

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033970.D
 Acq On : 27 Aug 2019 01:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:16:30 PM

Quant Time: Aug 27 08:40:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 06:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	369099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	617351	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	594467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	312724	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	272983	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	4.86	113	212261	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	7.54	98	825555	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	10.29	95	295923	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	225372	52.291	ug/l	98
3) Chloromethane	1.32	50	293833	55.111	ug/l	99
4) Vinyl Chloride	1.39	62	299322	51.472	ug/l	98
5) Bromomethane	1.60	94	132526	51.124	ug/l	97
6) Chloroethane	1.68	64	175383	47.844	ug/l	98
7) Trichlorofluoromethane	1.86	101	320116	46.241	ug/l	98
8) Diethyl Ether	2.09	74	130988	44.042	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.27	101	203145	50.805	ug/l	98
10) Methyl Iodide	2.39	142	316826	54.981	ug/l	99
11) Tert butyl alcohol	2.81	59	285630	257.650	ug/l	99
12) 1,1-Dichloroethene	2.26	96	212243	51.767	ug/l	96
13) Acrolein	2.18	56	149991	227.506	ug/l	100
14) Allyl chloride	2.57	41	351195	47.716	ug/l	100
15) Acrylonitrile	2.91	53	774492	265.444	ug/l	99
16) Acetone	2.30	43	679804	215.324	ug/l	99
17) Carbon Disulfide	2.46	76	669064	49.212	ug/l	99
18) Methyl Acetate	2.59	43	358412	50.874	ug/l	99
19) Methyl tert-butyl Ether	2.97	73	712483	54.368	ug/l	100
20) Methylene Chloride	2.68	84	249256	49.229	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	229980	50.912	ug/l	99
22) Diisopropyl ether	3.54	45	780795	54.873	ug/l	97
23) Vinyl Acetate	3.49	43	3399841	288.308	ug/l	100
24) 1,1-Dichloroethane	3.42	63	447437	51.358	ug/l	99
25) 2-Butanone	4.23	43	1050468	257.458	ug/l	99
26) 2,2-Dichloropropane	4.20	77	312104	44.180	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	255564	52.755	ug/l	98
28) Bromochloromethane	4.52	49	233413	55.000	ug/l	99
29) Tetrahydrofuran	4.61	42	669555	271.300	ug/l	100
30) Chloroform	4.64	83	422977	48.930	ug/l	99
31) Cyclohexane	4.97	56	392131	50.891	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	356323	50.414	ug/l	99
36) 1,1-Dichloropropene	5.11	75	317105	49.749	ug/l	100
37) Ethyl Acetate	4.35	43	380011	50.361	ug/l	100
38) Carbon Tetrachloride	5.11	117	303195	47.766	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	362917	51.433	ug/l	99
40) Benzene	5.36	78	964767	50.930	ug/l	100
41) Methacrylonitrile	4.51	41	206683	54.353	ug/l	100
42) 1,2-Dichloroethane	5.38	62	351226	50.216	ug/l	99
43) Isopropyl Acetate	5.52	43	583240	52.697	ug/l	100
44) Trichloroethene	6.16	130	236296	48.198	ug/l	97
45) 1,2-Dichloropropane	6.41	63	262021	49.963	ug/l	98
46) Dibromomethane	6.54	93	169755	50.369	ug/l	98
47) Bromodichloromethane	6.73	83	337160	49.472	ug/l	98
48) Methyl methacrylate	6.60	41	284249	49.300	ug/l	100
49) 1,4-Dioxane	6.59	88	120795	1075.319	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	2046962	272.425	ug/l	99
52) Toluene	7.61	92	604261	54.929	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	365611	51.508	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	414006	52.622	ug/l	96
55) 1,1,2-Trichloroethane	8.04	97	249184	51.358	ug/l	99
56) Ethyl methacrylate	8.00	69	390355	49.770	ug/l	98
57) 1,3-Dichloropropane	8.22	76	442002	52.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	684821	229.214	ug/l	100
59) 2-Hexanone	8.34	43	1558226	271.992	ug/l	99
60) Dibromochloromethane	8.46	129	256086	50.700	ug/l	99
61) 1,2-Dibromoethane	8.57	107	256840	51.059	ug/l	100
64) Tetrachloroethene	8.21	164	213357	50.056	ug/l	99
65) Chlorobenzene	9.10	112	622830	50.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	228992	50.516	ug/l	100
67) Ethyl Benzene	9.23	91	1092518	54.238	ug/l	99
68) m/p-Xylenes	9.35	106	827588	111.570	ug/l	100
69) o-Xylene	9.76	106	396594	55.933	ug/l	100
70) Styrene	9.77	104	692738	56.401	ug/l	99
71) Bromoform	9.94	173	195565	51.240	ug/l #	100
73) Isopropylbenzene	10.15	105	1077223	55.734	ug/l	99
74) N-amyl acetate	10.00	43	504937	49.509	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	424233	51.292	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	371285m	51.319	ug/l	
77) Bromobenzene	10.43	156	272876	52.883	ug/l	98
78) n-propylbenzene	10.57	91	1273746	55.119	ug/l	99
79) 2-Chlorotoluene	10.64	91	757076	54.708	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	929660	56.281	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	122087m	44.996	ug/l	
82) 4-Chlorotoluene	10.75	91	876472	53.883	ug/l	100
83) tert-Butylbenzene	11.08	119	874824	56.606	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	933803	58.030	ug/l	100
85) sec-Butylbenzene	11.30	105	1084868	55.958	ug/l	99
86) p-Isopropyltoluene	11.46	119	987737	56.194	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	496040	50.723	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	490282	48.584	ug/l	99
89) n-Butylbenzene	11.87	91	886356	47.745	ug/l	100
90) Hexachloroethane	12.12	117	178719	51.918	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	488171	52.183	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	91611	53.954	ug/l	99

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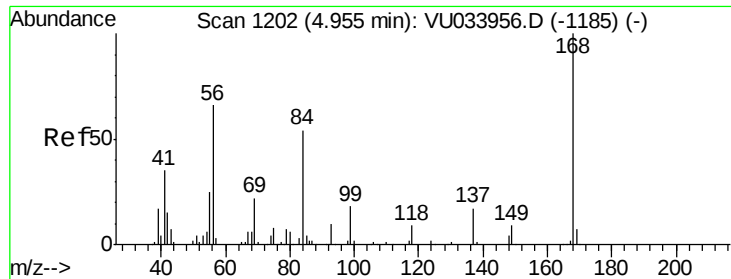
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	307309	45.926	ug/l	100
94) Hexachlorobutadiene	13.67	225	177008	50.628	ug/l	100
95) Naphthalene	13.73	128	963773	47.807	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	327587	49.682	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 369099

Ion Ratio Lower Upper

168 100

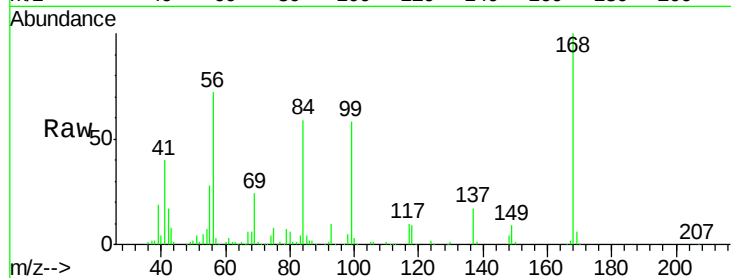
99 58.1 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1185) (-)

4.95

150000

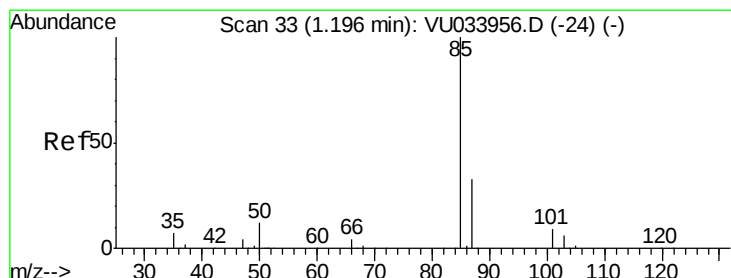
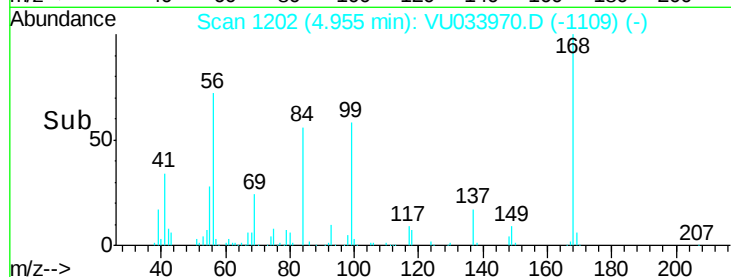
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.291 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033970.D

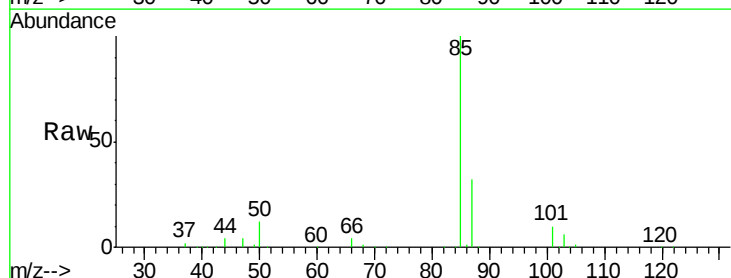
Acq: 27 Aug 2019 01:00

Tgt Ion: 85 Resp: 225372

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033956.D (-24) (-)

Ion 86.90 (86.60 to 87.60): VU033956.D (-24) (-)

1.20

250000

200000

150000

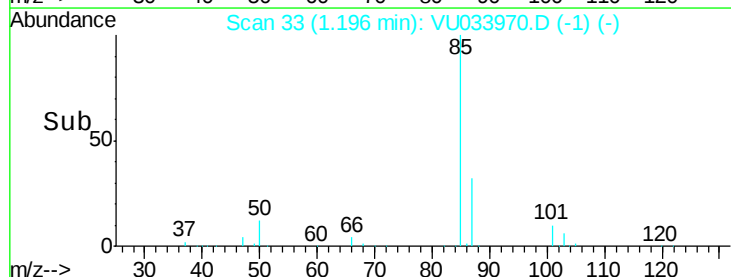
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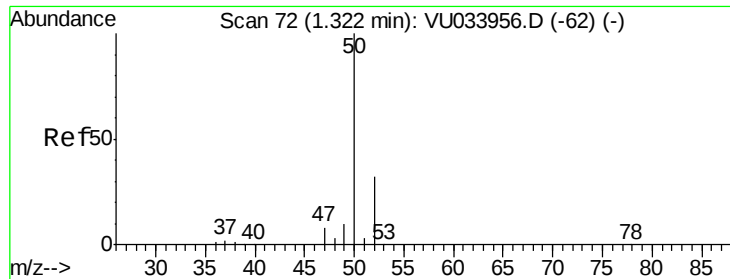
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 55.111 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 293833

Ion Ratio Lower Upper

50 100

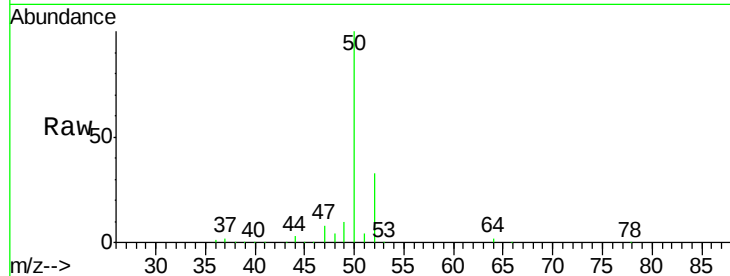
52 33.0 25.9 38.9

Manual Integrations

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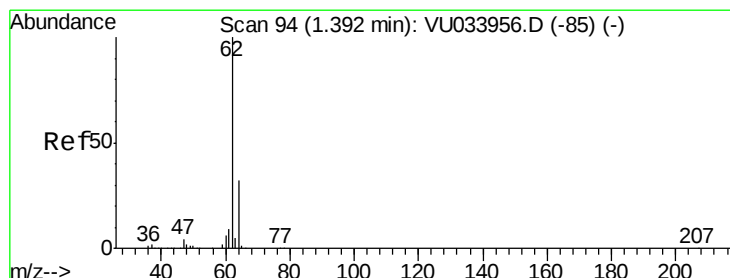
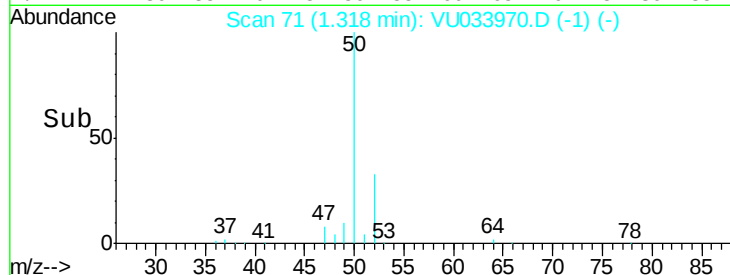
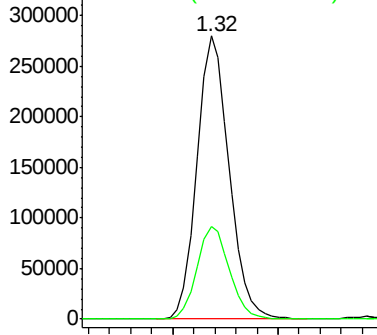
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.472 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033970.D

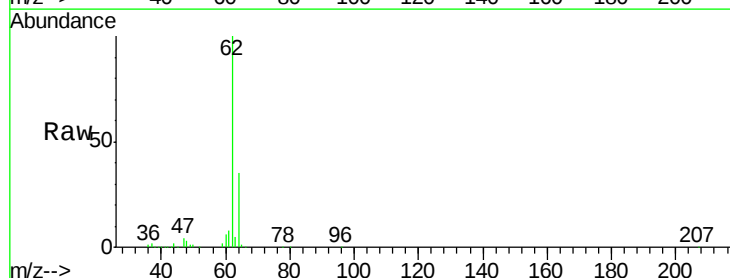
Acq: 27 Aug 2019 01:00

Tgt Ion: 62 Resp: 299322

Ion Ratio Lower Upper

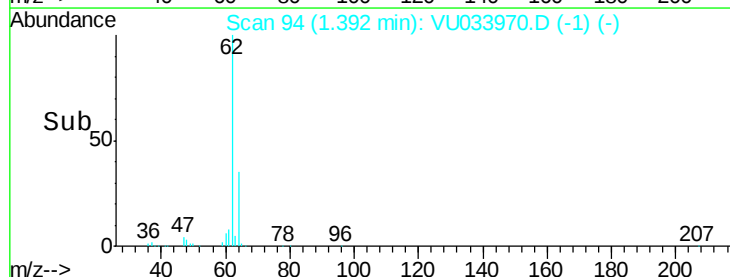
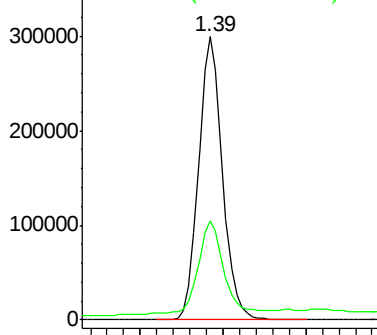
62 100

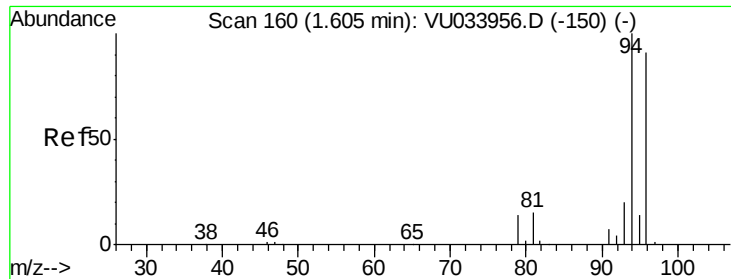
64 32.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 51.124 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 132526

Ion Ratio Lower Upper

94 100

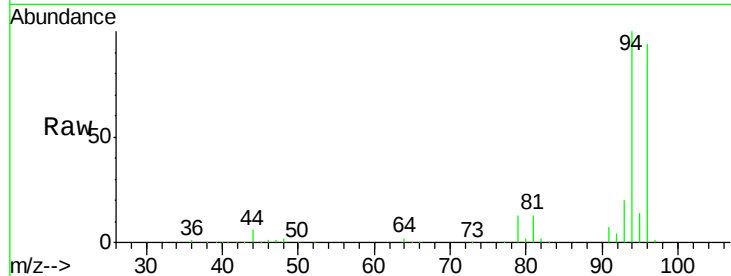
96 94.3 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)

Ion 95.90 (95.60 to 96.60): VU033970.D (-67) (-)

1.60

120000

100000

80000

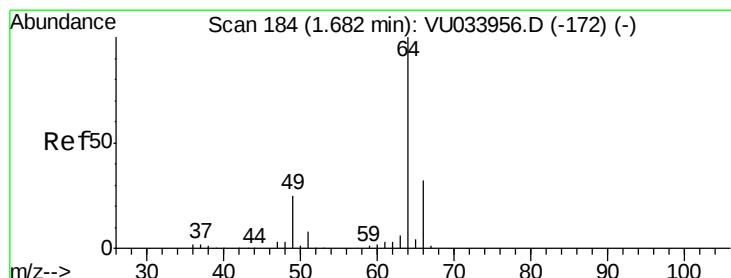
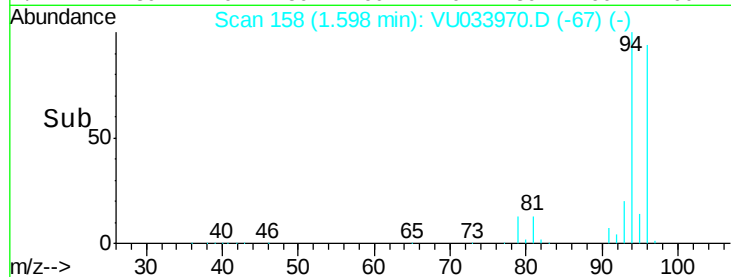
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.844 ug/l

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU033970.D

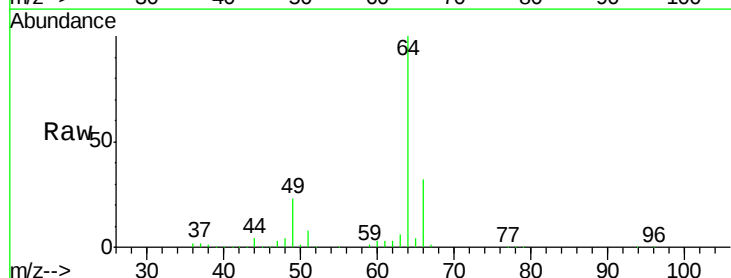
Acq: 27 Aug 2019 01:00

Tgt Ion: 64 Resp: 175383

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033956.D (-172) (-)

Ion 65.90 (65.60 to 66.60): VU033970.D (-91) (-)

1.68

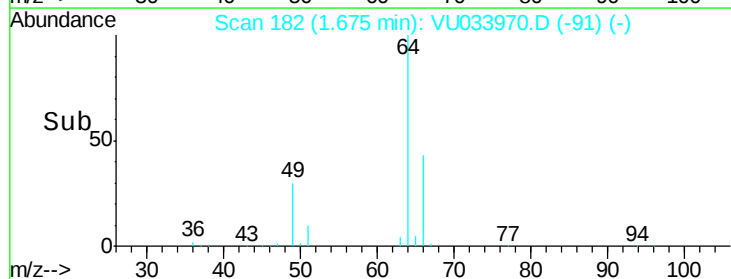
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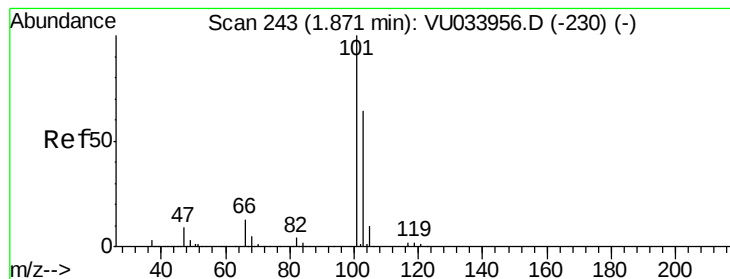
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 46.241 ug/l

RT: 1.86 min Scan# 241

Delta R.T. -0.01 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

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VSTDCCC050EC

Tot Ion:101 Resp: 320116

Ion Ratio Lower Upper

101 100

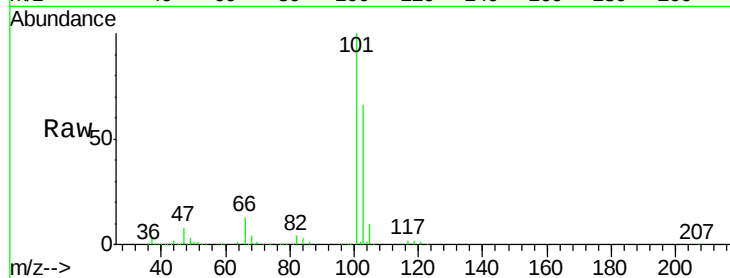
103 65.9 51.5 77.3

Manual Integrations

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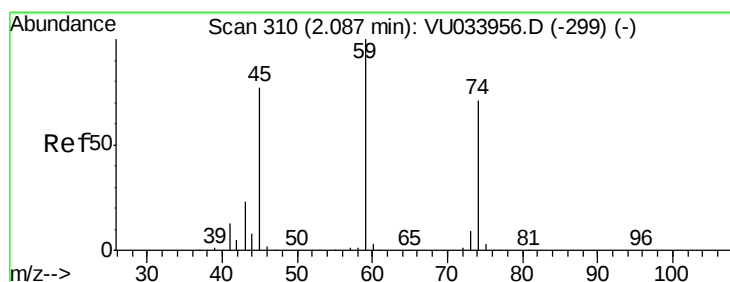
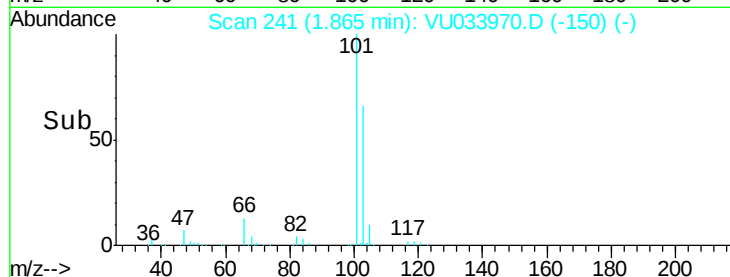
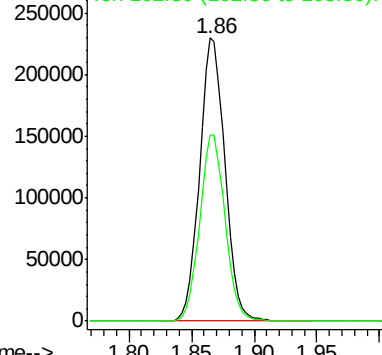
MMDadoda

8/27/2019 12:16:30 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 44.042 ug/l

RT: 2.09 min Scan# 310

Delta R.T. -0.00 min

Lab File: VU033970.D

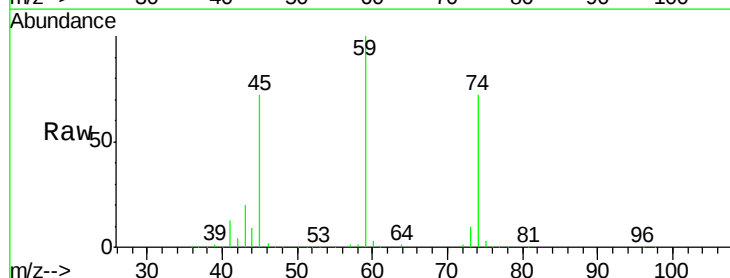
Acq: 27 Aug 2019 01:00

Tgt Ion: 74 Resp: 130988

Ion Ratio Lower Upper

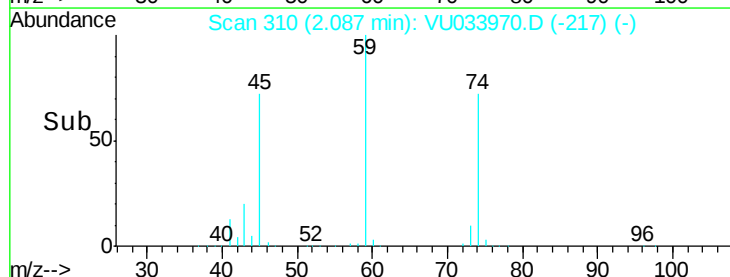
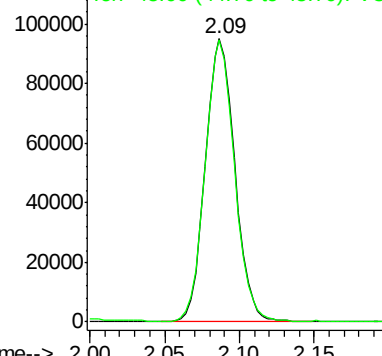
74 100

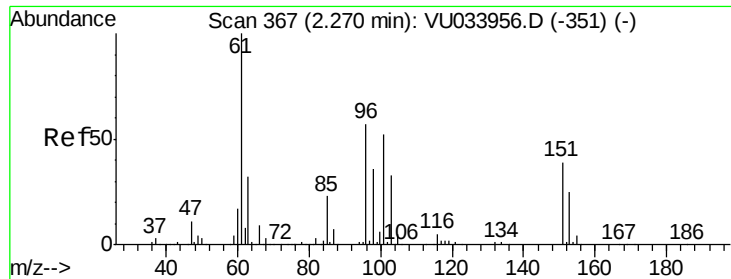
45 98.3 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.805 ug/l

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

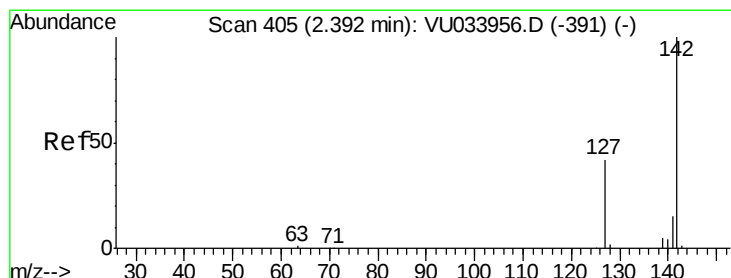
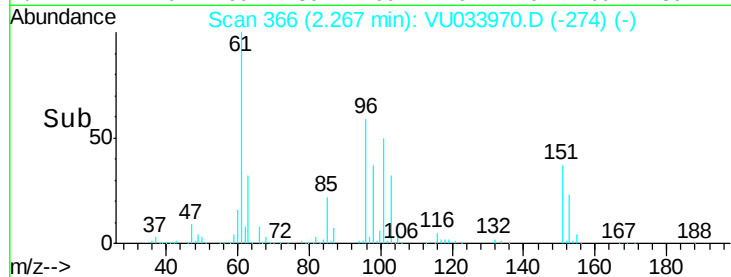
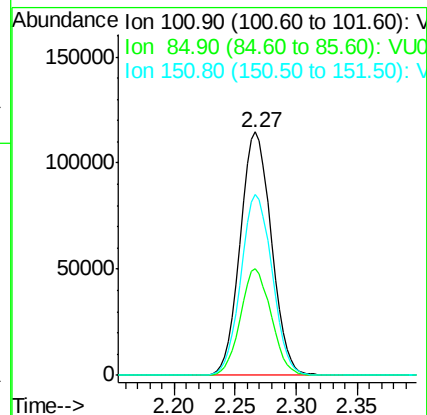
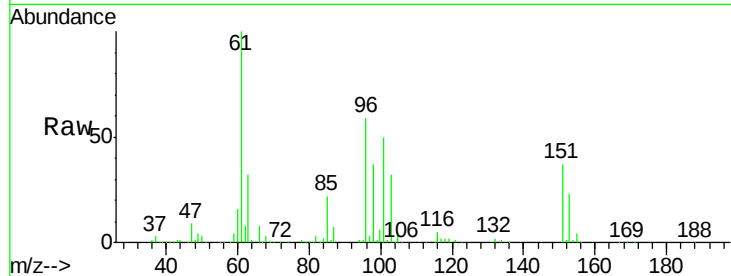
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	203145
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.0	52.6
151	74.6	57.9	86.9

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#10

Methyl Iodide

Concen: 54.981 ug/l

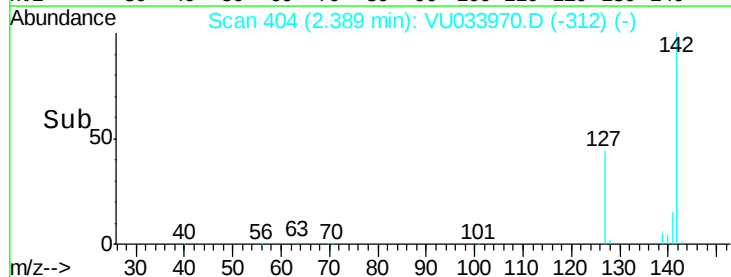
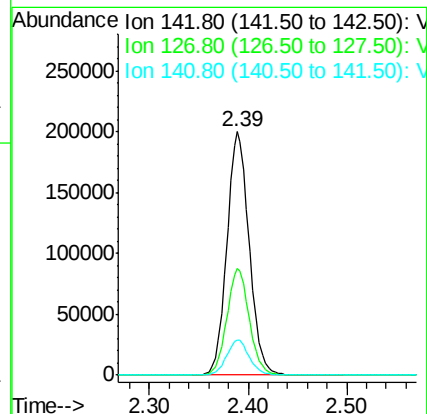
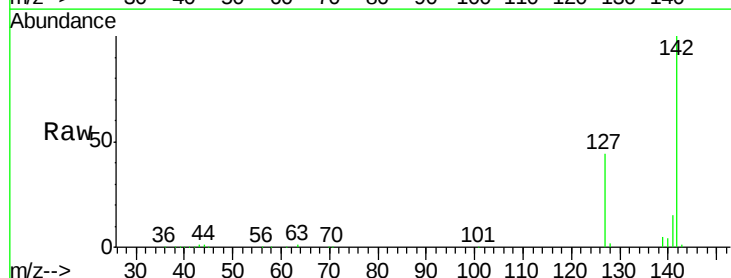
RT: 2.39 min Scan# 404

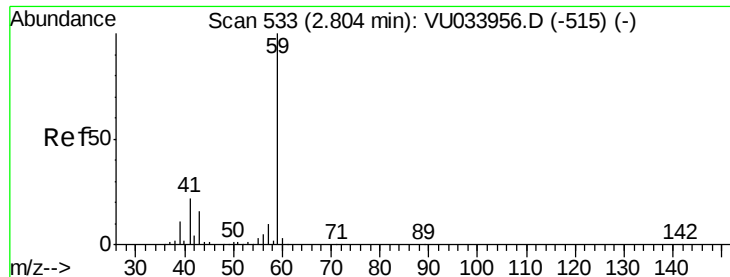
Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Tgt Ion:	142	Resp:	316826
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.3	51.5
141	14.6	11.8	17.6





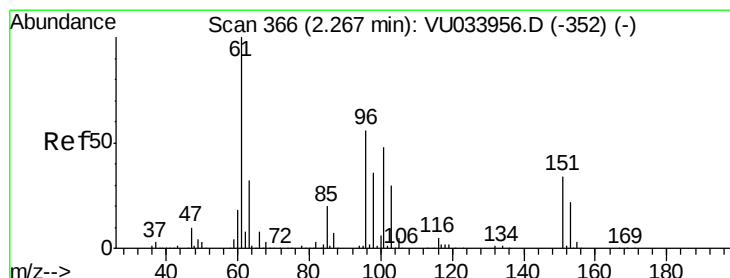
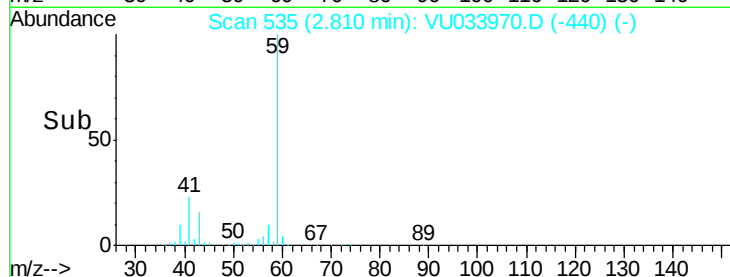
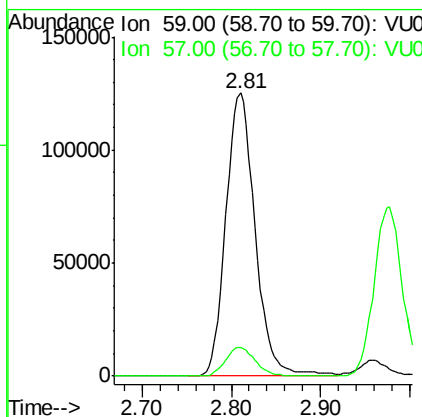
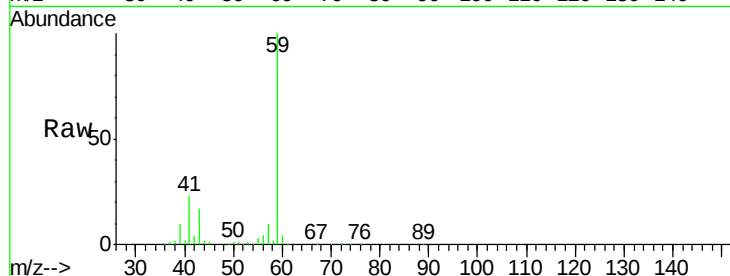
#11
Tert butyl alcohol
Concen: 257.650 ug/l
RT: 2.81 min Scan# 535
Delta R.T. 0.01 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 285630
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

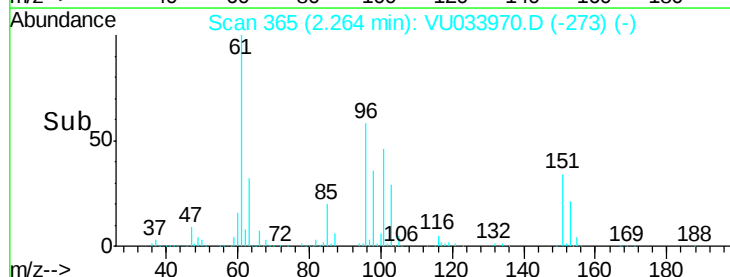
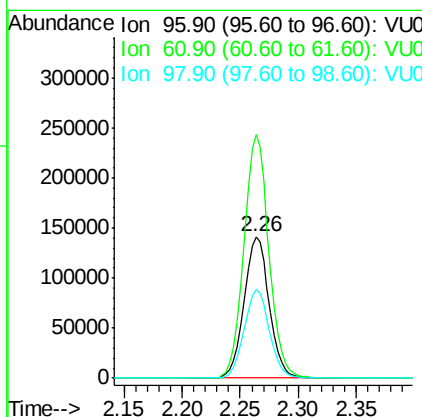
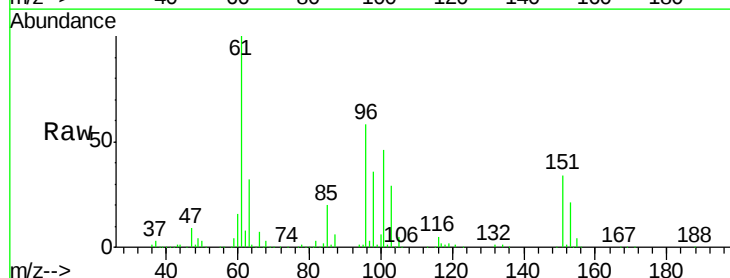
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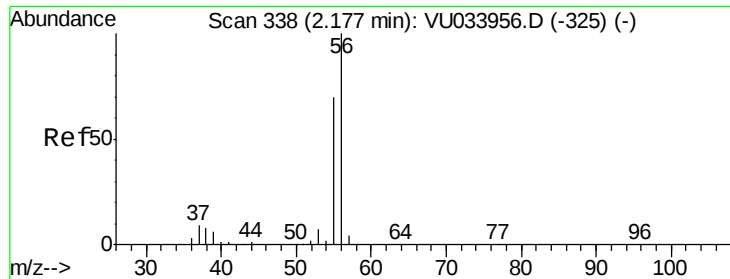
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#12
1,1-Dichloroethene
Concen: 51.767 ug/l
RT: 2.26 min Scan# 365
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion: 96 Resp: 212243
Ion Ratio Lower Upper
96 100
61 171.9 142.3 213.5
98 62.6 51.0 76.6





#13

Acrolein

Concen: 227.506 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 149991

Ion Ratio Lower Upper

56 100

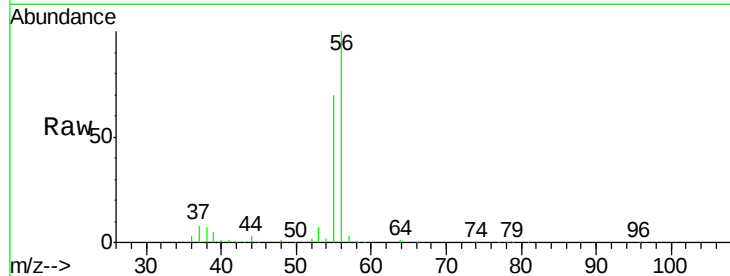
55 70.3 56.3 84.5

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Abundance Ion 56.00 (55.70 to 56.70): VU033970.D (-245) (-)

Ion 55.00 (54.70 to 55.70): VU033970.D (-245) (-)

120000

100000

80000

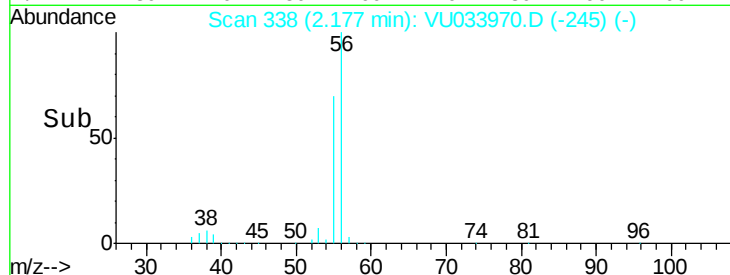
60000

40000

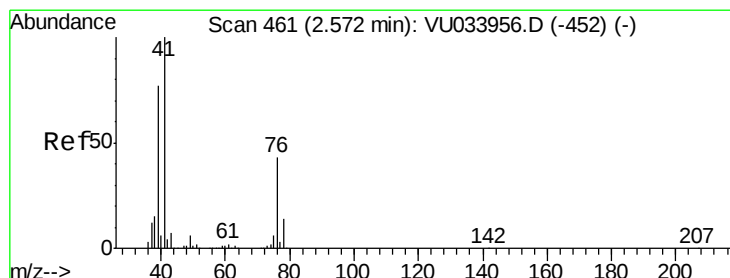
20000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 47.716 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

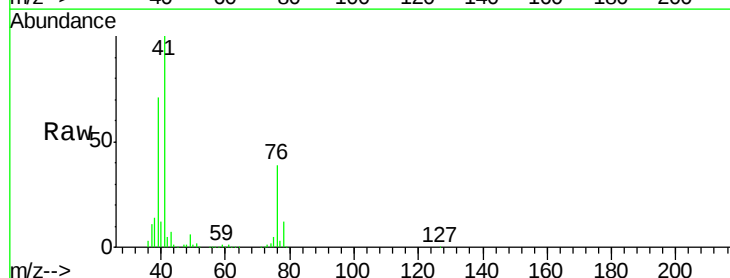
Tgt Ion: 41 Resp: 351195

Ion Ratio Lower Upper

41 100

39 70.6 56.4 84.6

76 36.5 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VU033970.D (-368) (-)

Ion 39.00 (38.70 to 39.70): VU033970.D (-368) (-)

Ion 75.90 (75.60 to 76.60): VU033970.D (-368) (-)

250000

200000

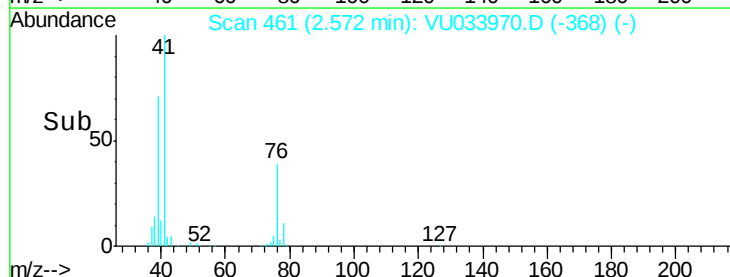
150000

100000

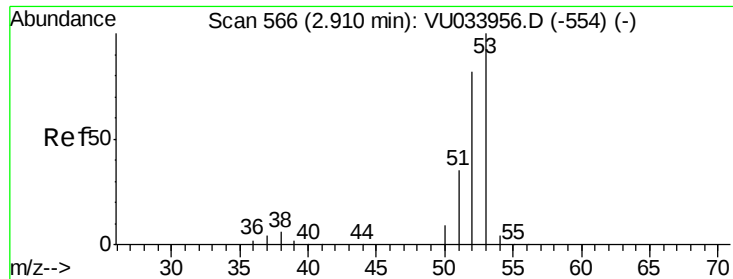
50000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 265.444 ug/l

RT: 2.91 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 774492

Ion Ratio Lower Upper

53 100

52 82.4 65.2 97.8

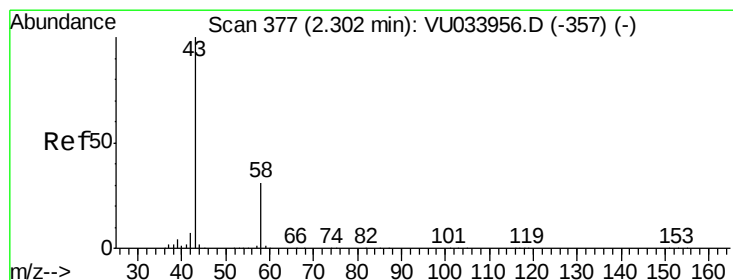
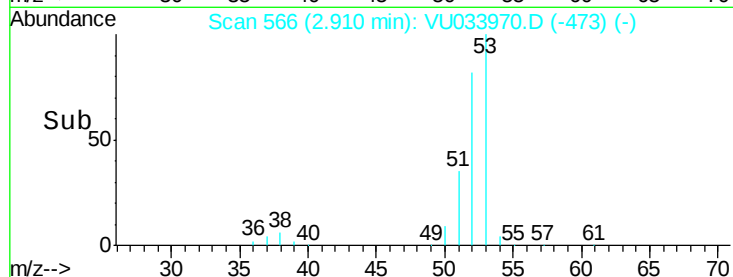
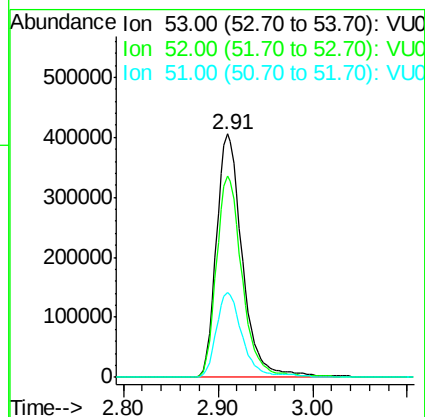
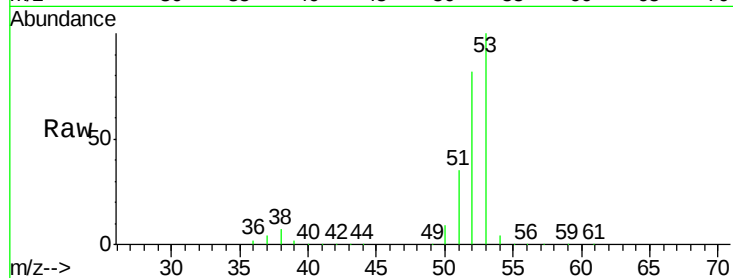
51 35.4 28.6 43.0

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#16

Acetone

Concen: 215.324 ug/l

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033970.D

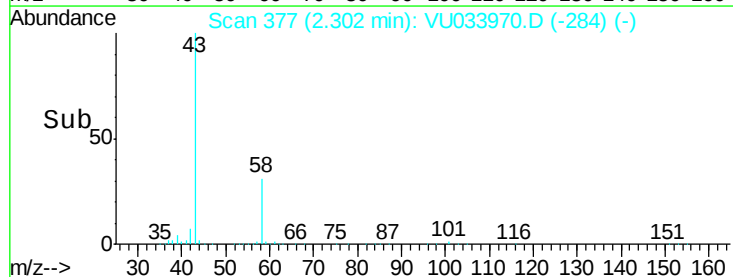
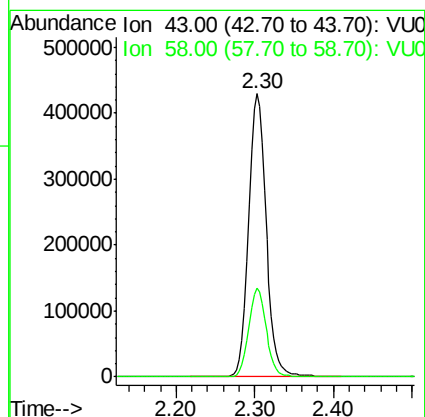
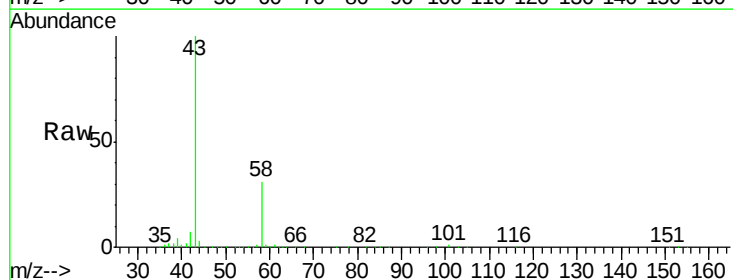
Acq: 27 Aug 2019 01:00

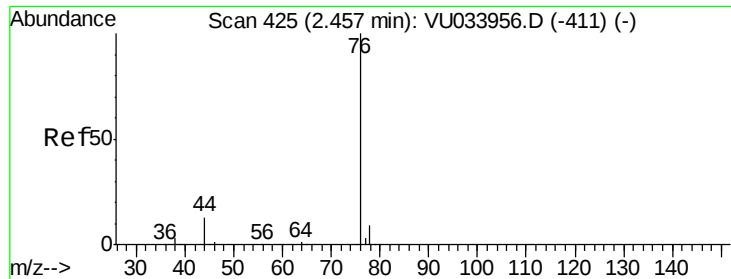
Tgt Ion: 43 Resp: 679804

Ion Ratio Lower Upper

43 100

58 31.3 24.5 36.7





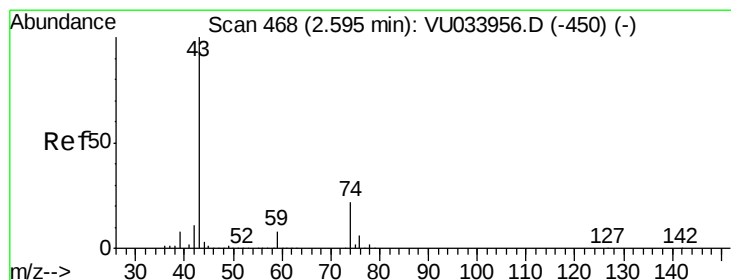
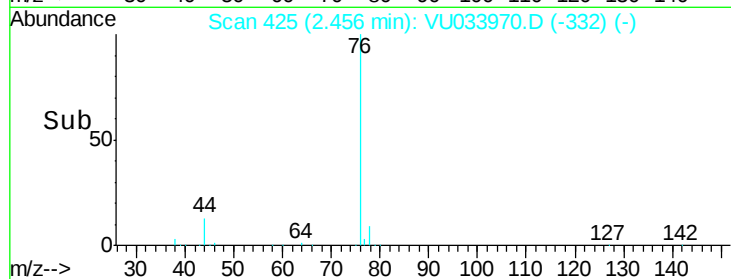
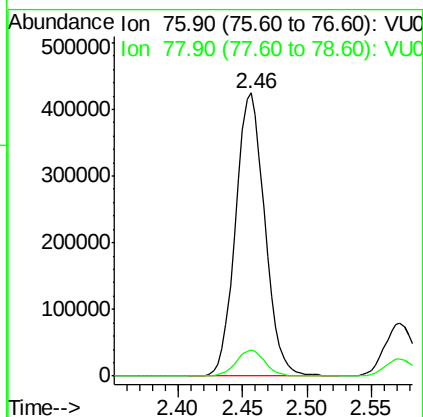
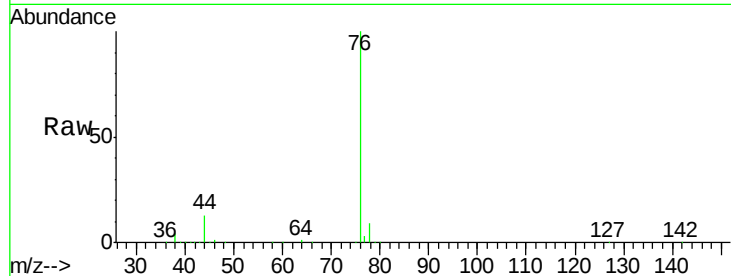
#17
Carbon Disulfide
Concen: 49.212 ug/l
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

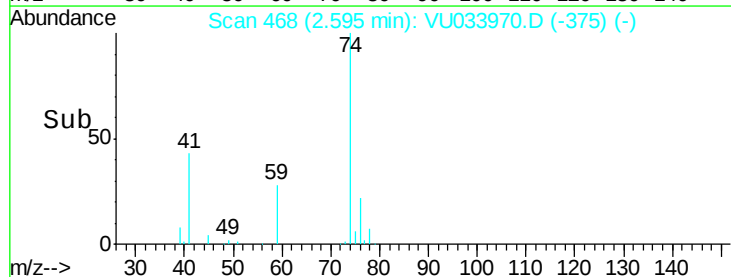
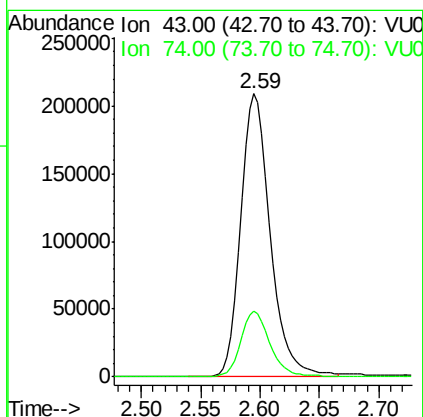
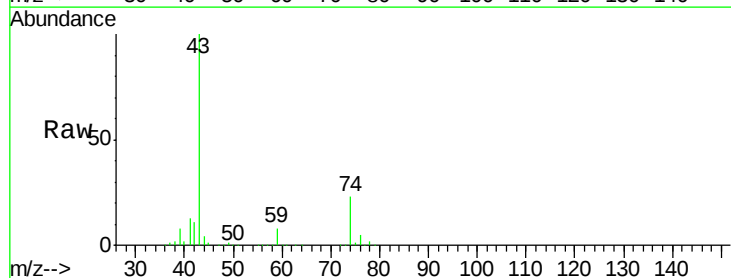
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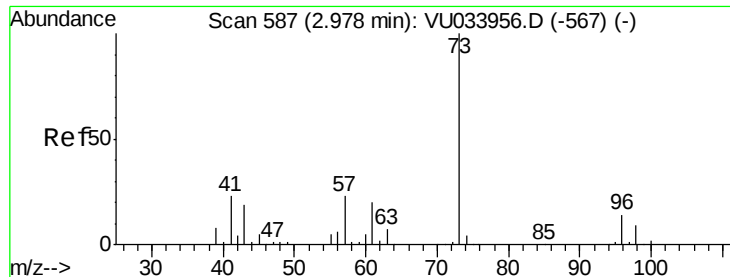
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#18
Methyl Acetate
Concen: 50.874 ug/l
RT: 2.59 min Scan# 468
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.2	27.2





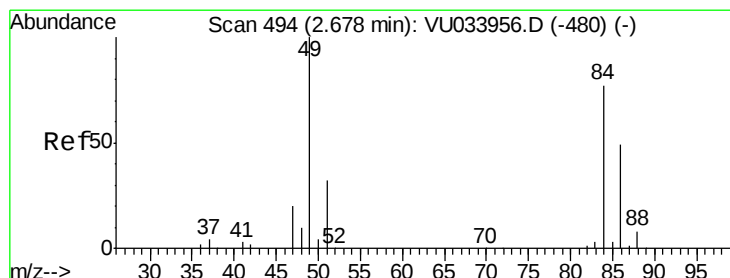
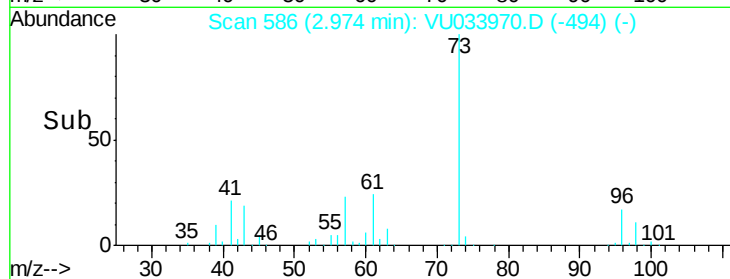
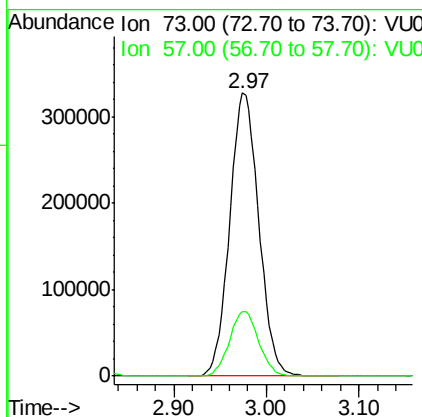
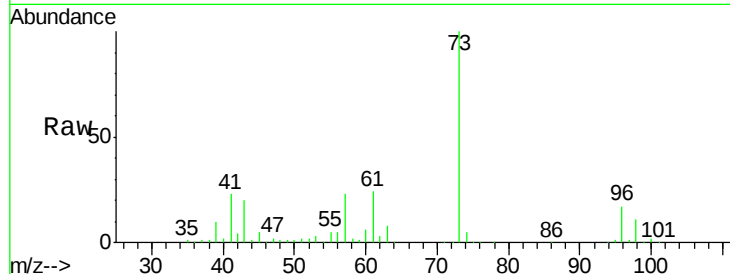
#19
Methvl tert-butvl Ether
Concen: 54.368 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 712483
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

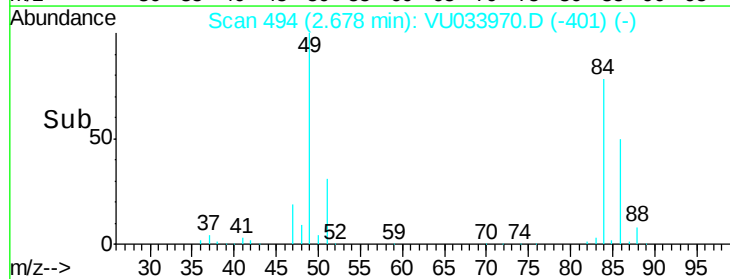
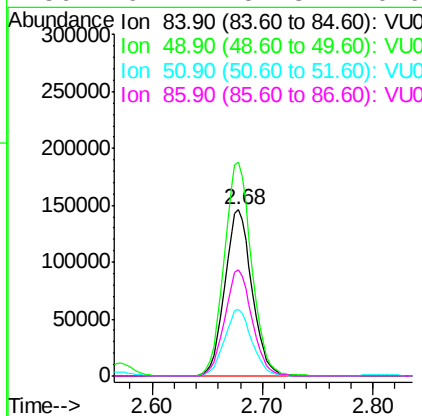
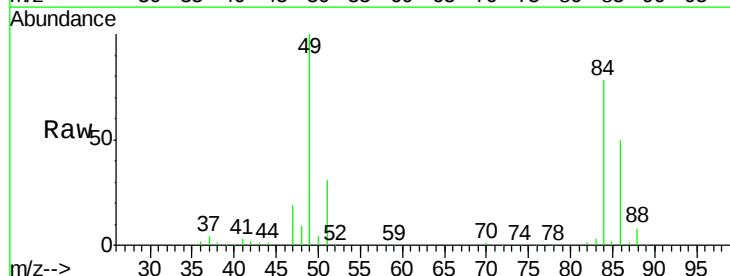
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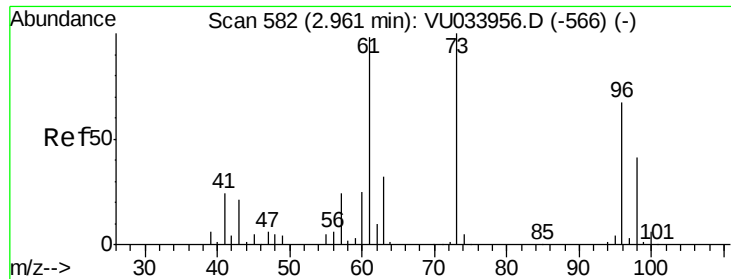
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#20
Methylene Chloride
Concen: 49.229 ug/l
RT: 2.68 min Scan# 494
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion: 84 Resp: 249256
Ion Ratio Lower Upper
84 100
49 128.5 104.1 156.1
51 40.1 33.0 49.6
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.912 ug/l

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 229980

Ion Ratio Lower Upper

96 100

61 149.4 117.8 176.8

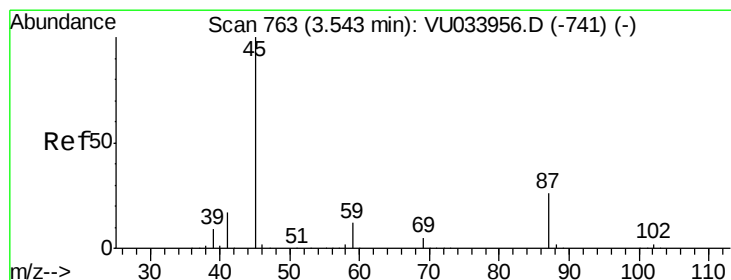
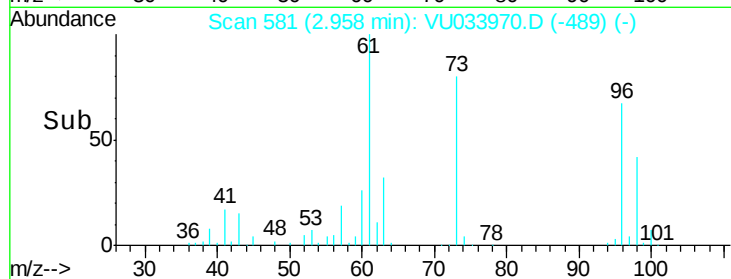
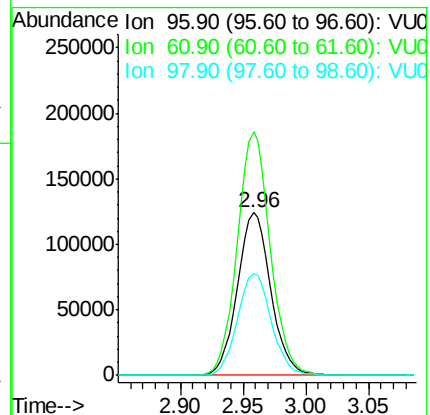
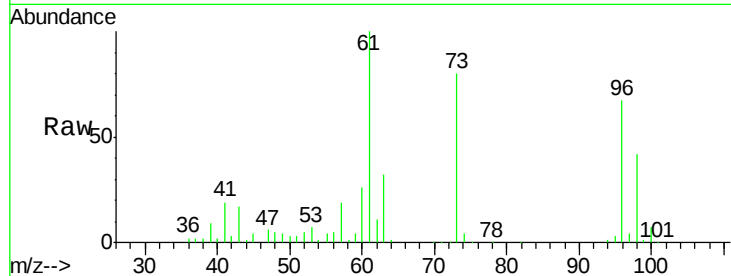
98 62.5 49.8 74.8

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#22

Diisopropyl ether

Concen: 54.873 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Tgt Ion: 45 Resp: 780795

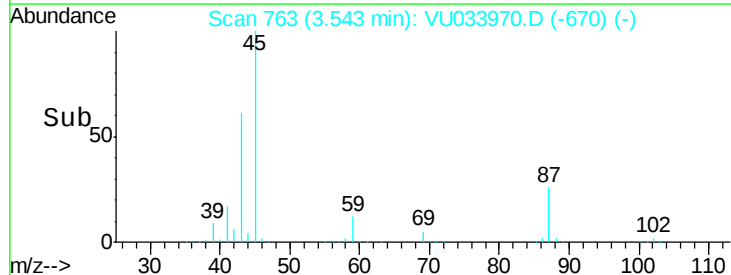
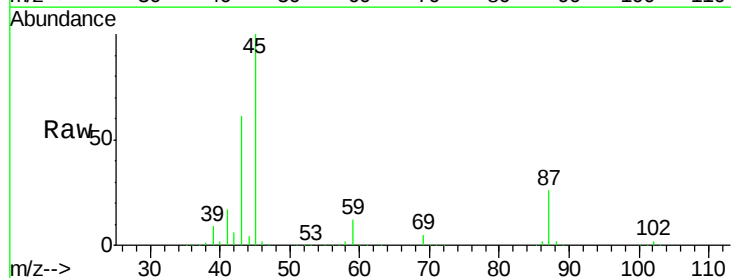
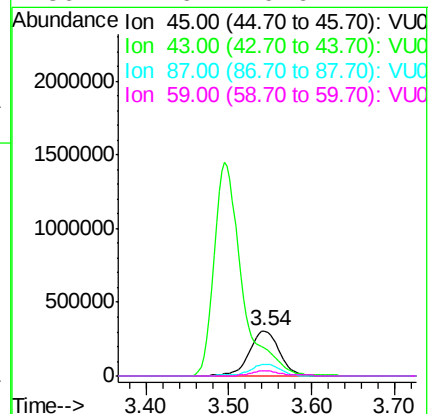
Ion Ratio Lower Upper

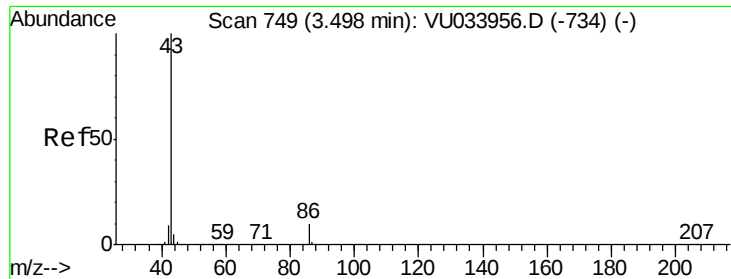
45 100

43 60.6 50.6 76.0

87 25.9 21.2 31.8

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 288.308 ug/l

RT: 3.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3399841

Ion Ratio Lower Upper

43 100

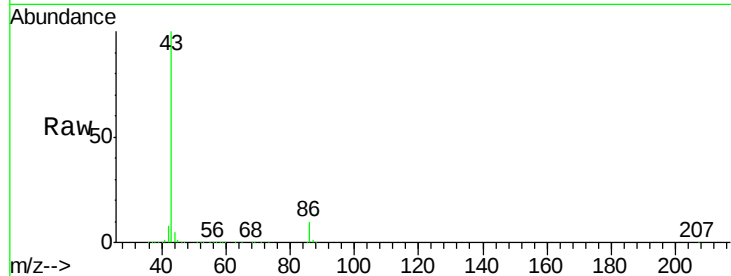
86 10.2 8.2 12.4

Manual Integrations

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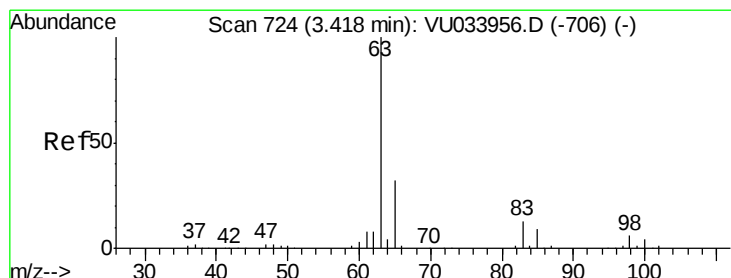
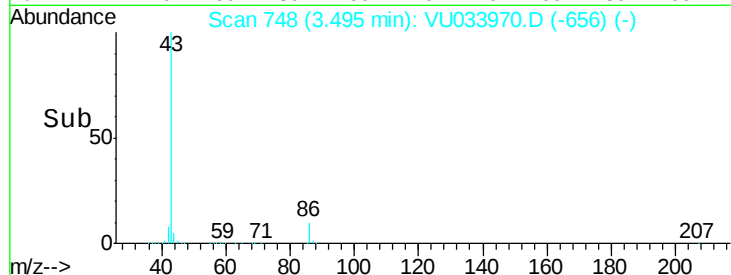
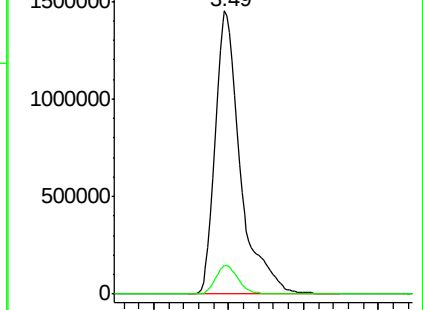
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU033970.D (-656) (-)

Ion 86.00 (85.70 to 86.70): VU033970.D (-656) (-)



#24

1,1-Dichloroethane

Concen: 51.358 ug/l

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

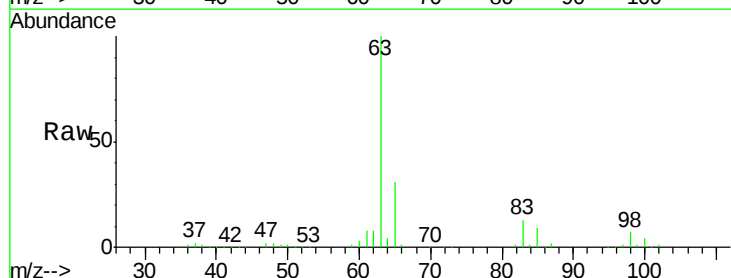
Tgt Ion: 63 Resp: 447437

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

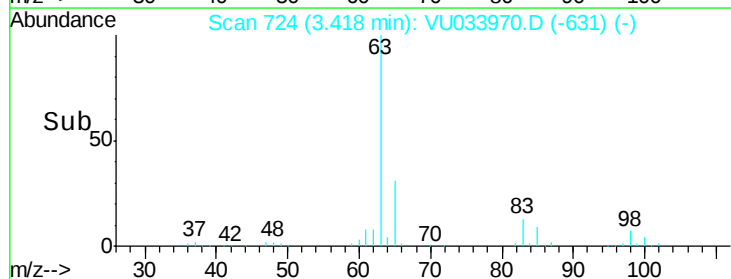
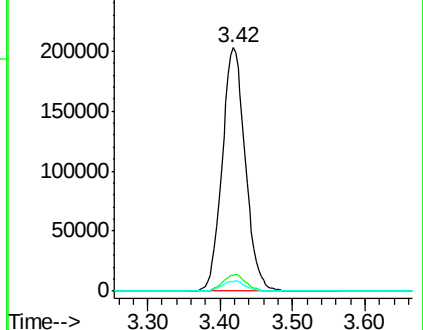
100 4.1 2.1 6.5

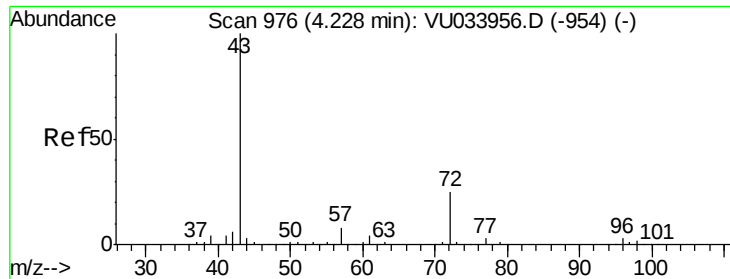


Abundance Ion 62.90 (62.60 to 63.60): VU033970.D (-631) (-)

Ion 97.90 (97.60 to 98.60): VU033970.D (-631) (-)

Ion 99.90 (99.60 to 100.60): VU033970.D (-631) (-)





#25

2-Butanone

Concen: 257.458 ug/l

RT: 4.23 min Scan# 976

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1050468

Ion Ratio Lower Upper

43 100

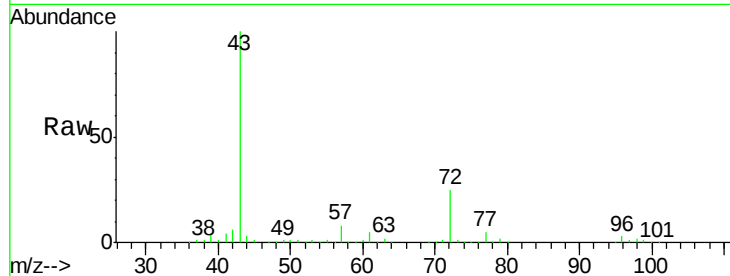
72 24.7 20.3 30.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.23

400000

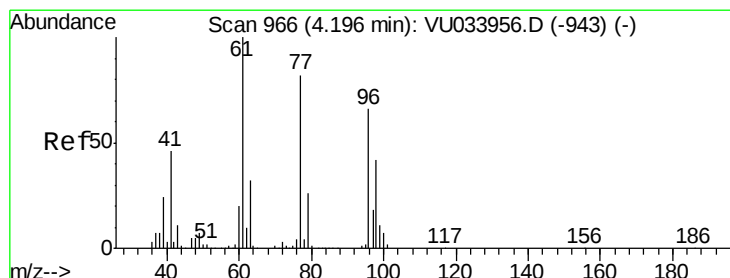
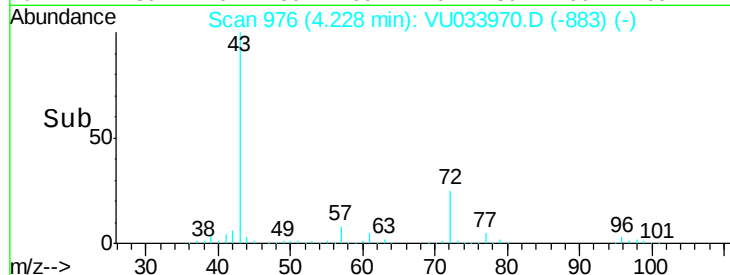
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.180 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033970.D

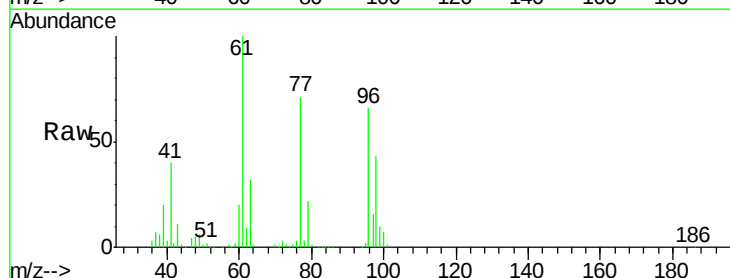
Acq: 27 Aug 2019 01:00

Tgt Ion: 77 Resp: 312104

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

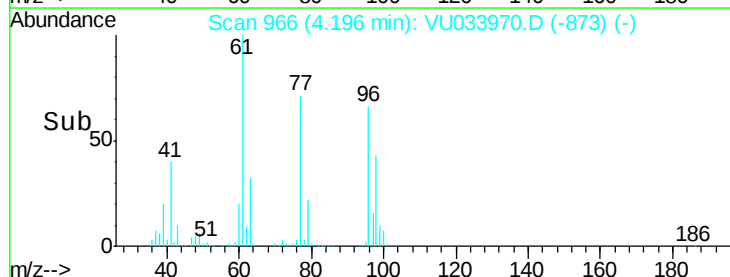
4.20

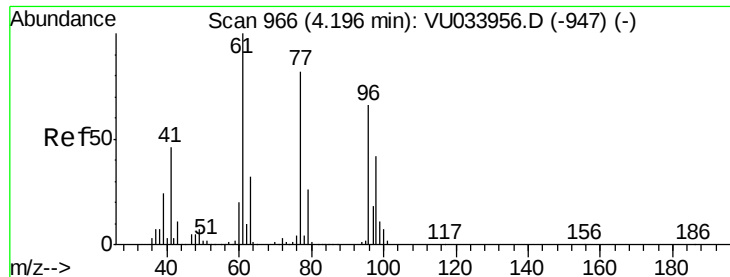
100000

50000

0

Time-->





#27

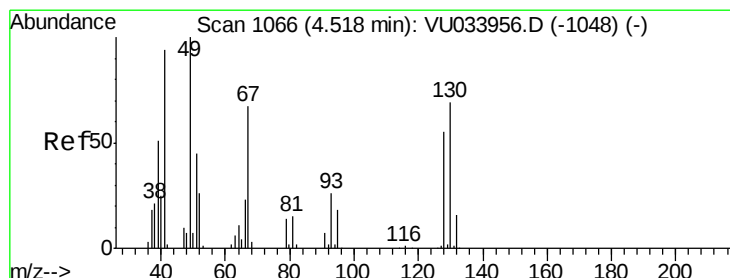
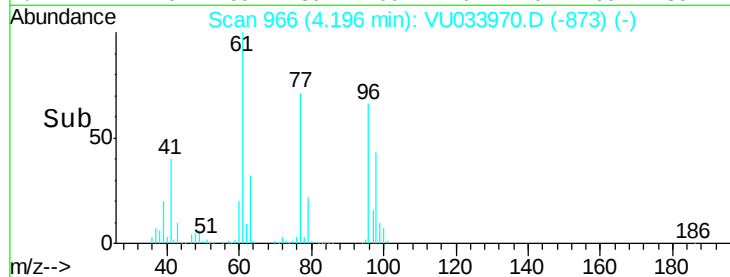
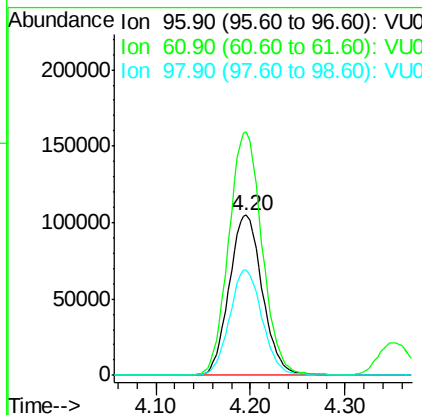
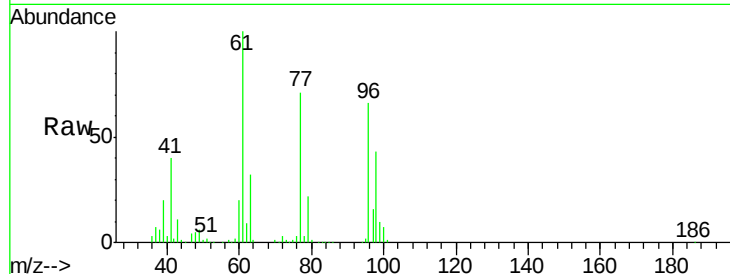
cis-1,2-Dichloroethene
 Concen: 52.755 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	255564		
61	152.9		0.0	312.2
98	64.9		0.0	129.4

Manual Integrations
 APPROVED

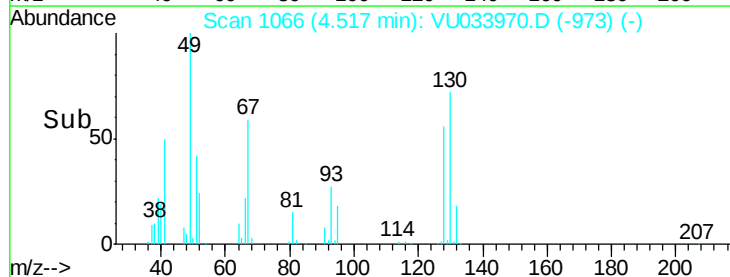
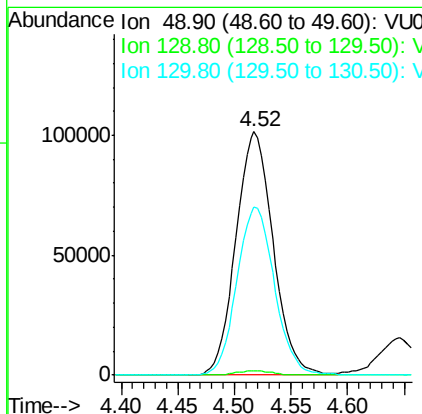
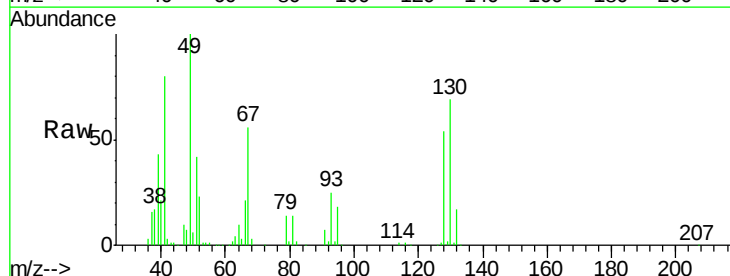
MMDadoda
 8/27/2019 12:16:30 PM

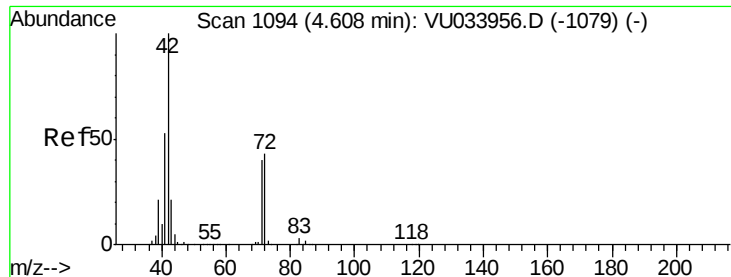


#28

Bromochloromethane
 Concen: 55.000 ug/l
 RT: 4.52 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	233413		
129	1.8		0.0	3.6
130	69.6		56.2	84.4





#29

Tetrahydrofuran

Concen: 271.300 ug/l

RT: 4.61 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

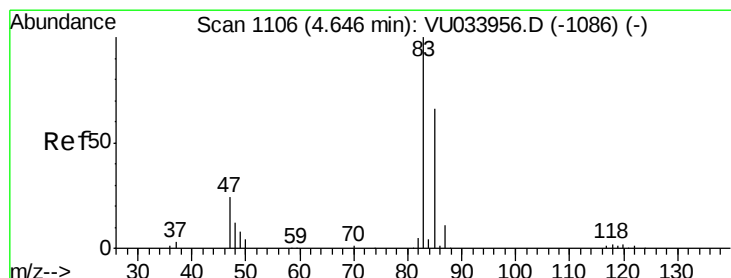
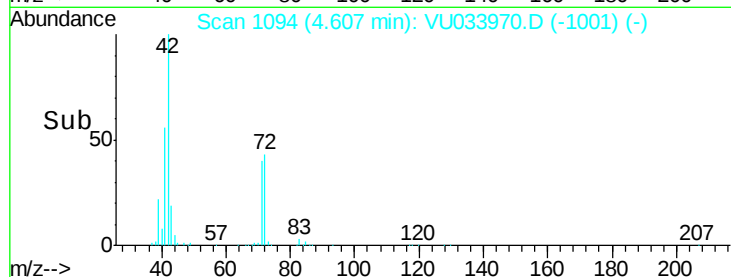
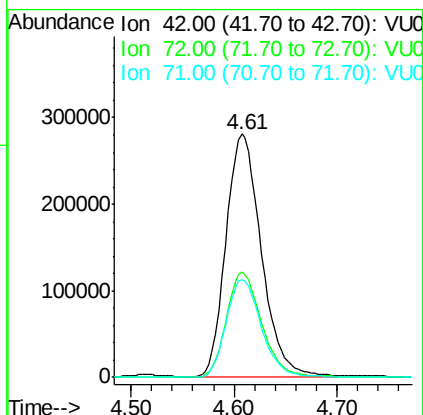
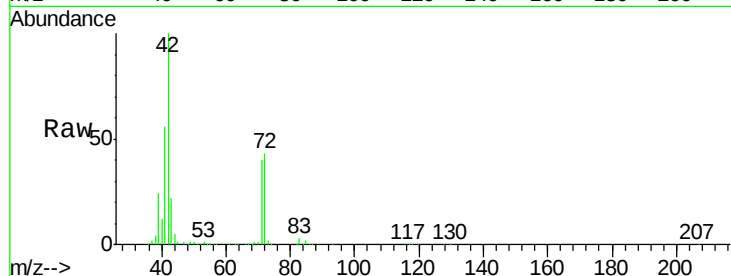
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	669555
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	52.0
71	40.4	32.1	48.1

Manual Integrations
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#30

Chloroform

Concen: 48.930 ug/l

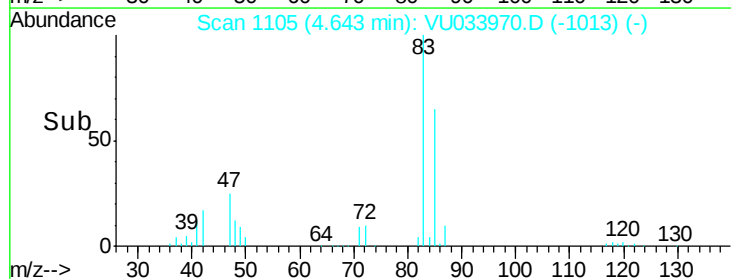
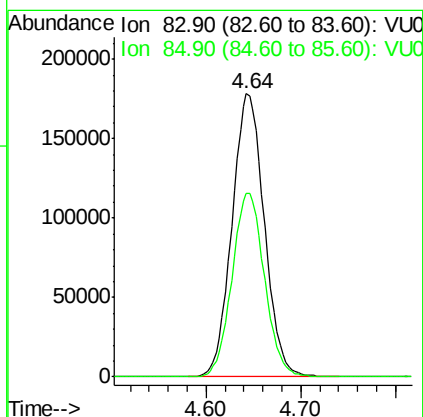
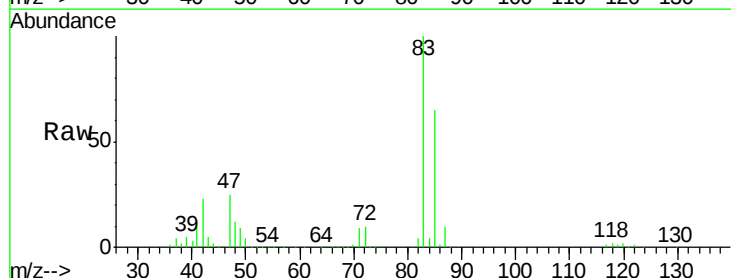
RT: 4.64 min Scan# 1105

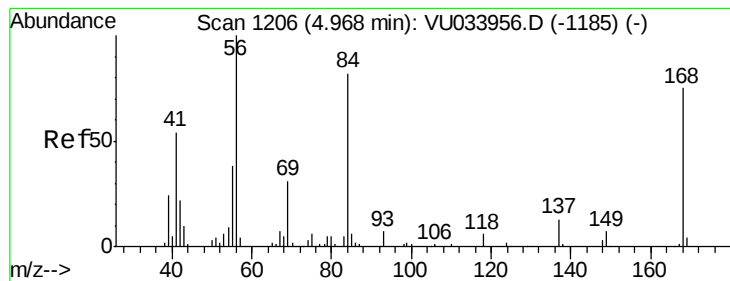
Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Tgt Ion:	83	Resp:	422977
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





#31

Cyclohexane

Concen: 50.891 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 392131

Ion Ratio Lower Upper

56 100

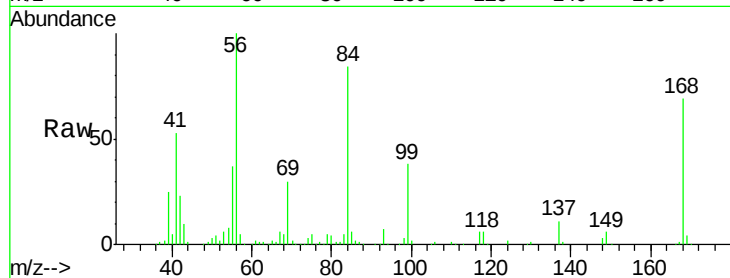
69 30.2 24.6 37.0

84 82.6 65.4 98.0

Manual Integrations
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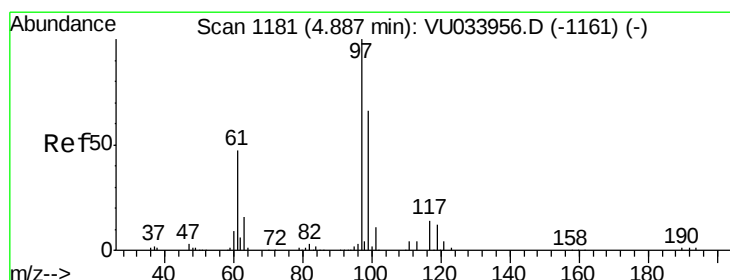
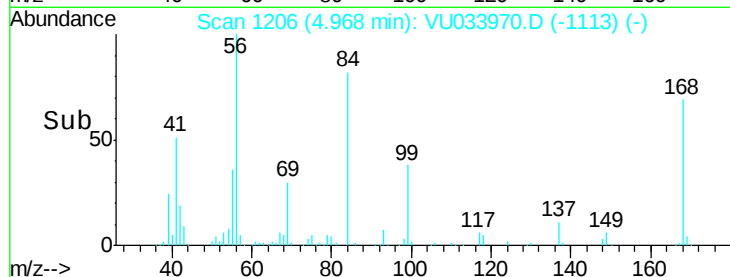
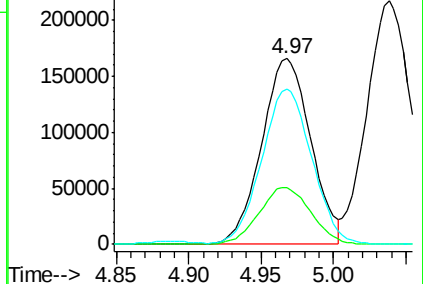
8/27/2019 12:16:30 PM



Abundance Ion 56.00 (55.70 to 56.70): VU033970.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VU033970.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VU033970.D (-1113) (-)



#32

1,1,1-Trichloroethane

Concen: 50.414 ug/l

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

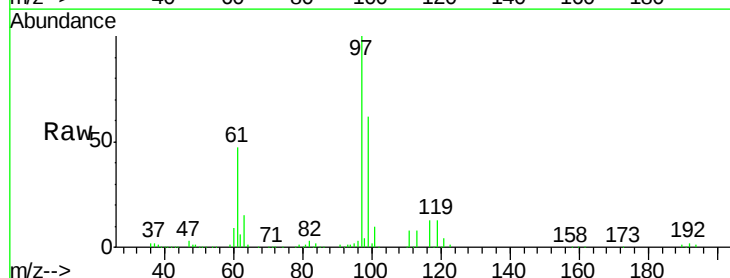
Tgt Ion: 97 Resp: 356323

Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.0

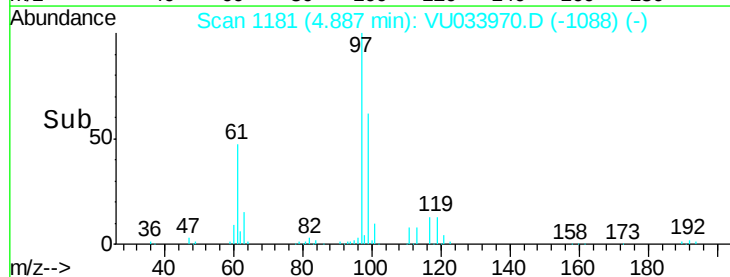
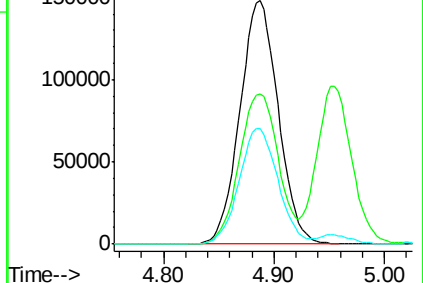
61 48.2 38.4 57.6

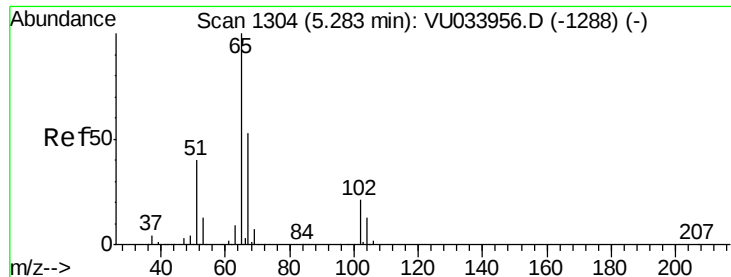


Abundance Ion 96.90 (96.60 to 97.60): VU033970.D (-1088) (-)

Ion 98.90 (98.60 to 99.60): VU033970.D (-1088) (-)

Ion 60.90 (60.60 to 61.60): VU033970.D (-1088) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.466 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 272983

Ion Ratio Lower Upper

65 100

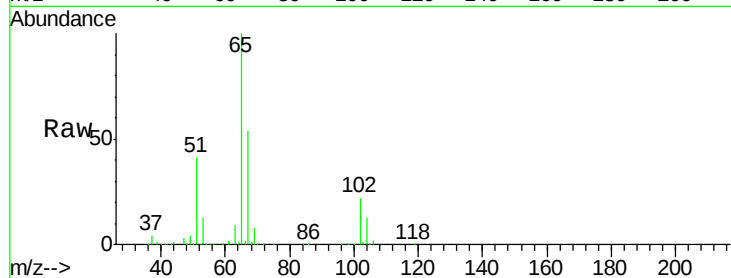
67 53.7 0.0 107.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU033970.D (-1210) (-)

Ion 66.90 (66.60 to 67.60): VU033970.D (-1210) (-)

5.28

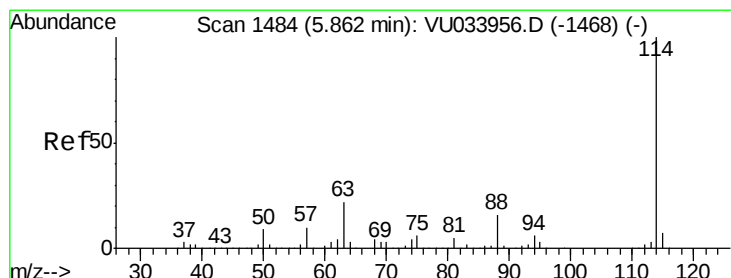
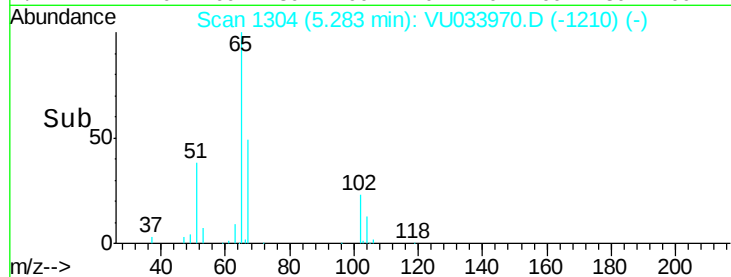
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

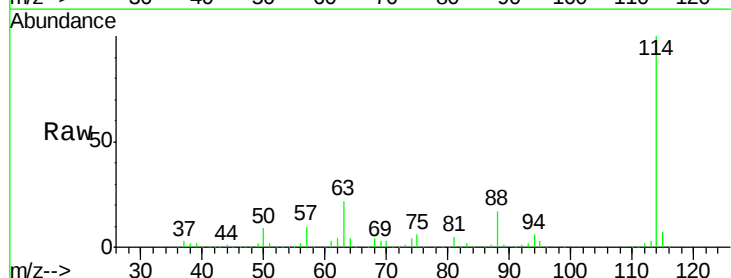
Tgt Ion: 114 Resp: 617351

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

88 16.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU033970.D (-1391) (-)

Ion 63.00 (62.70 to 63.70): VU033970.D (-1391) (-)

Ion 87.90 (87.60 to 88.60): VU033970.D (-1391) (-)

5.86

400000

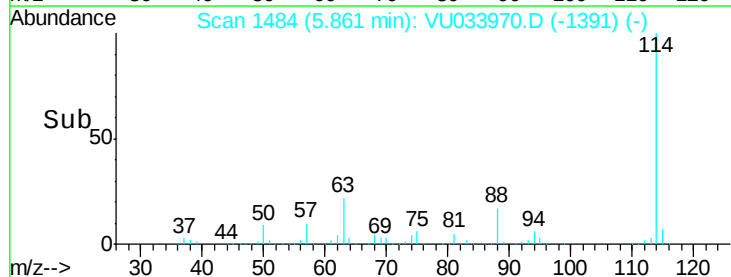
300000

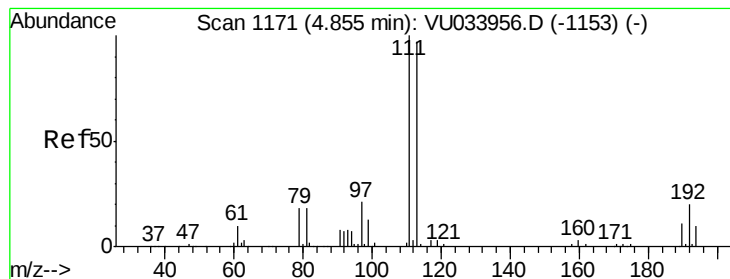
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.429 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 212261

Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

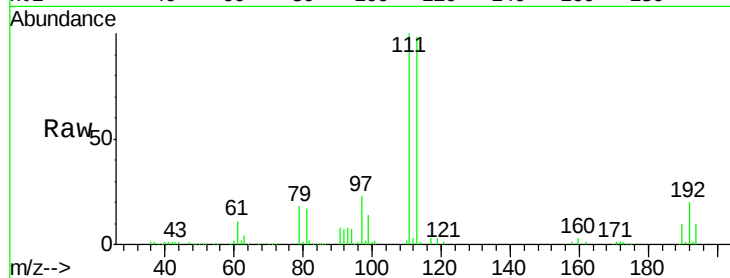
192 20.7 16.2 24.4

Manual Integrations

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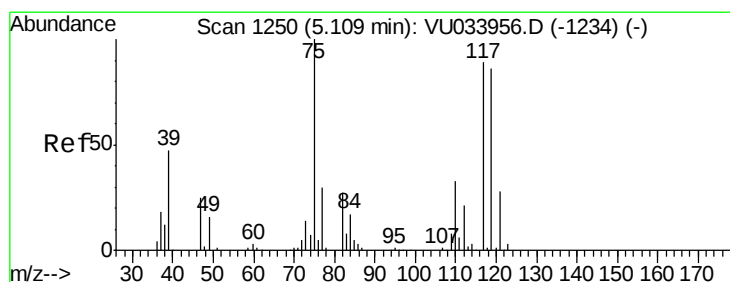
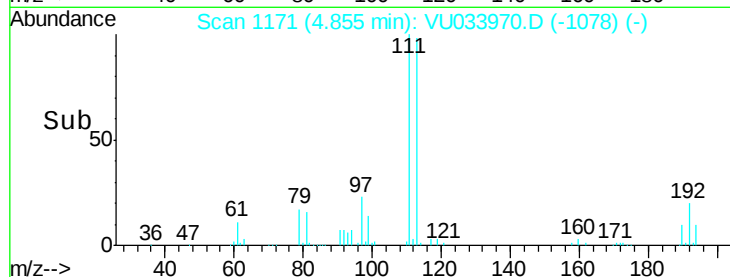
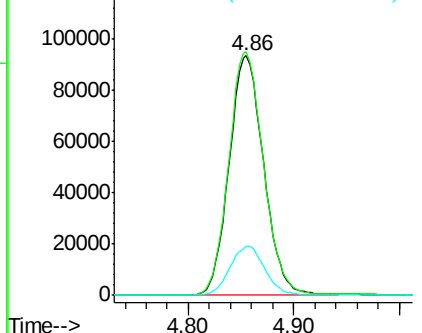
8/27/2019 12:16:30 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.749 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

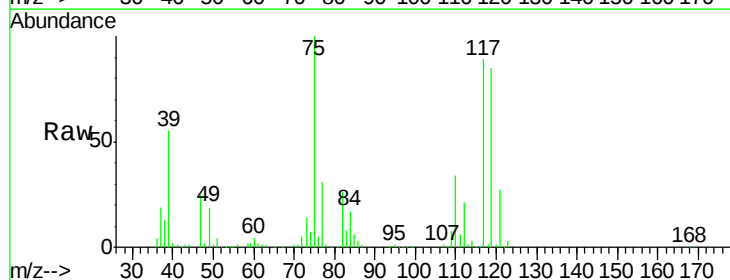
Tgt Ion: 75 Resp: 317105

Ion Ratio Lower Upper

75 100

110 33.8 16.8 50.4

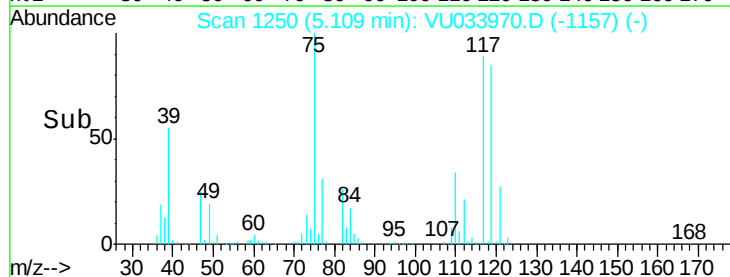
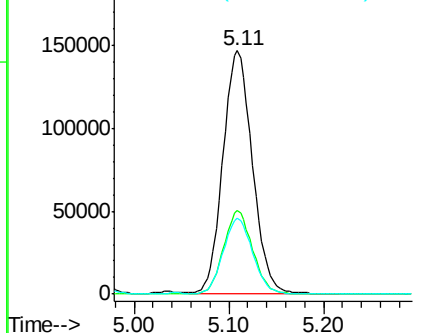
77 30.8 24.7 37.1

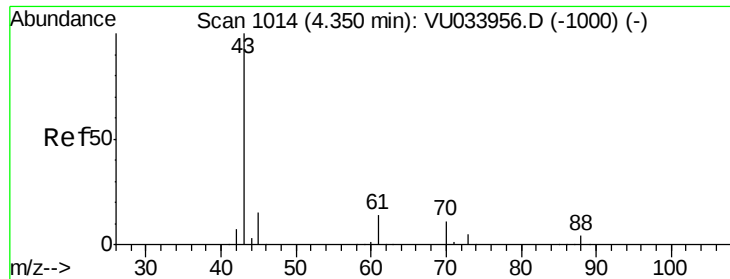


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





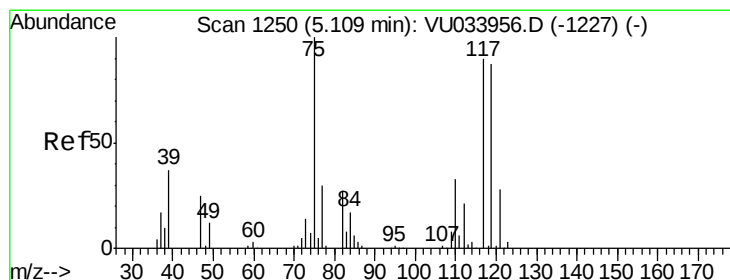
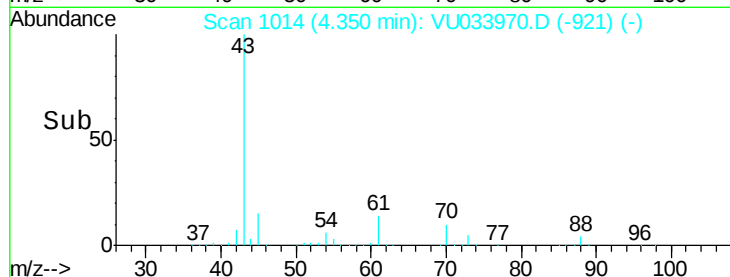
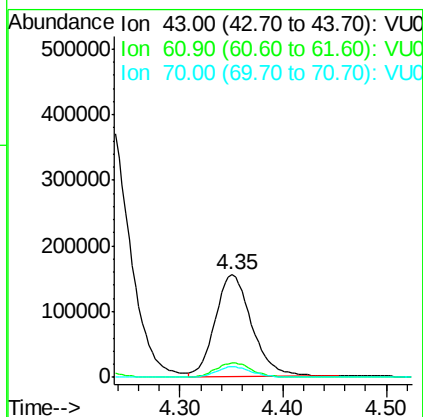
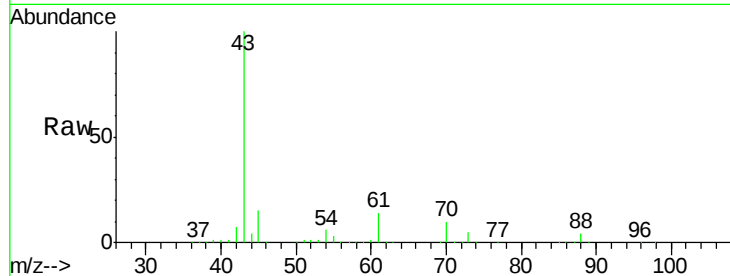
#37
Ethyl Acetate
Concen: 50.361 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	10.3	8.2	12.4

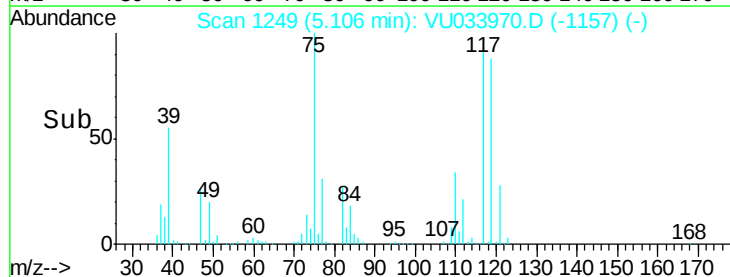
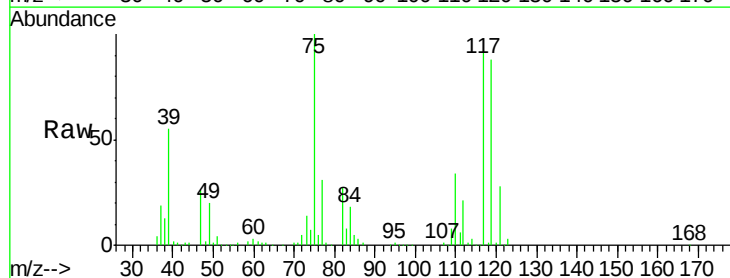
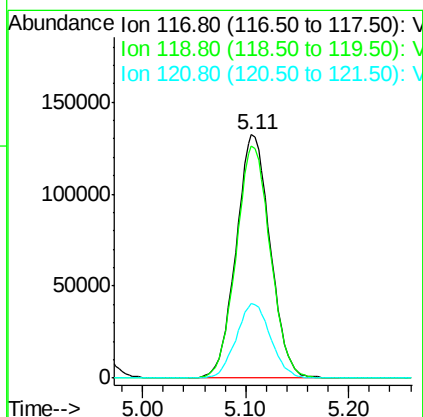
Manual Integrations
APPROVED

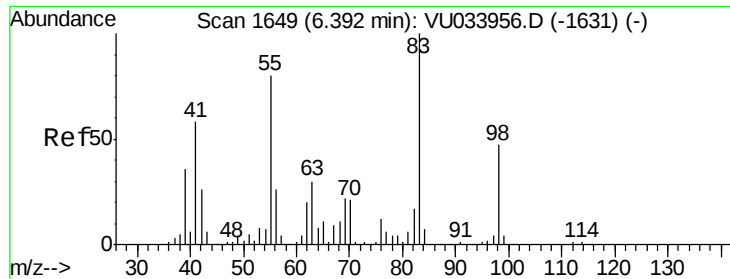
MMDadoda
8/27/2019 12:16:30 PM



#38
Carbon Tetrachloride
Concen: 47.766 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
121	30.5	24.9	37.3





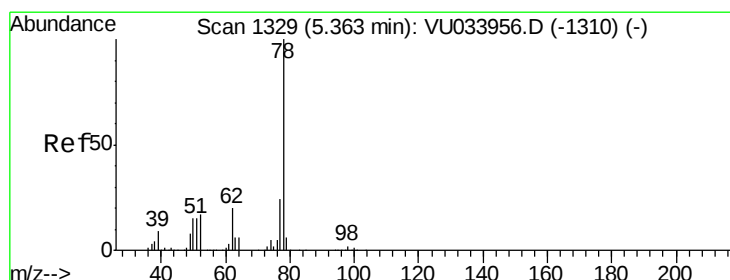
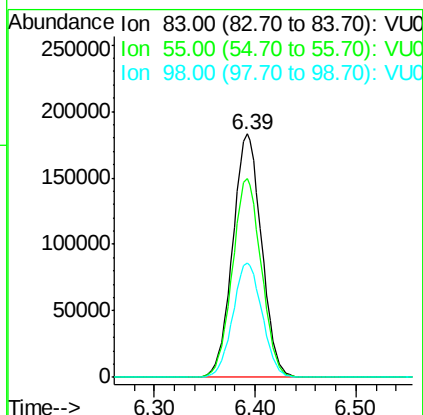
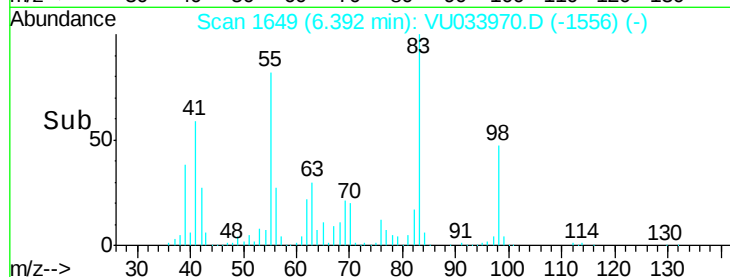
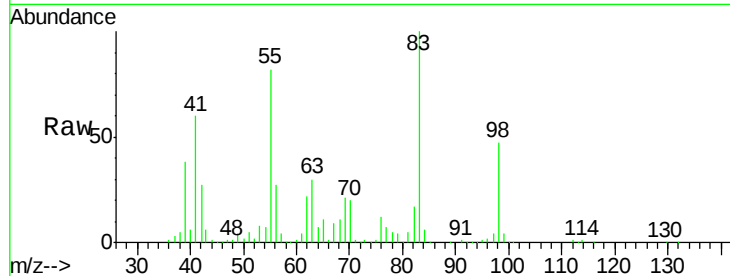
#39
Methvlcvclohexane
Concen: 51.433 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.8	95.8
98	47.2	37.7	56.5

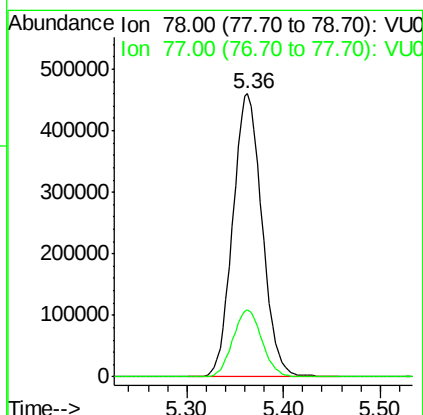
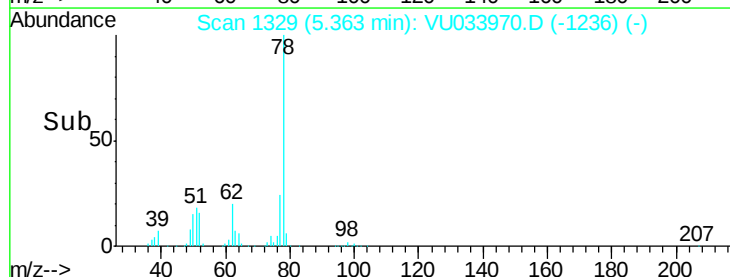
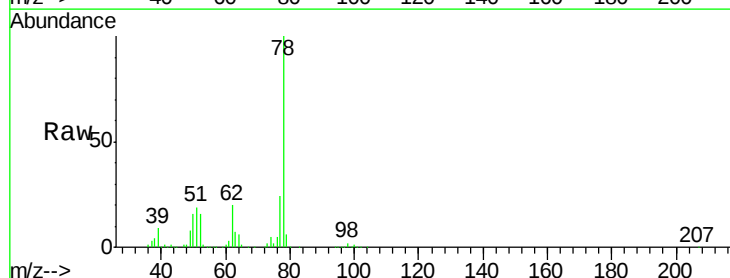
Manual Integrations
APPROVED

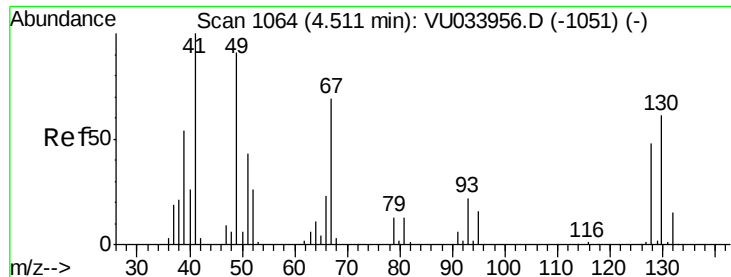
MMDadoda
8/27/2019 12:16:30 PM



#40
Benzene
Concen: 50.930 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 54.353 ug/l

RT: 4.51 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 206683

Ion Ratio Lower Upper

41 100

39 53.6 43.3 64.9

67 72.2 57.5 86.3

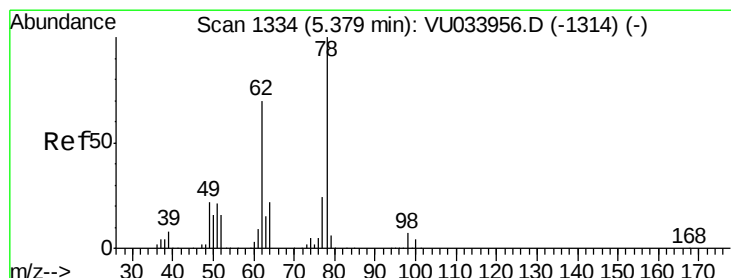
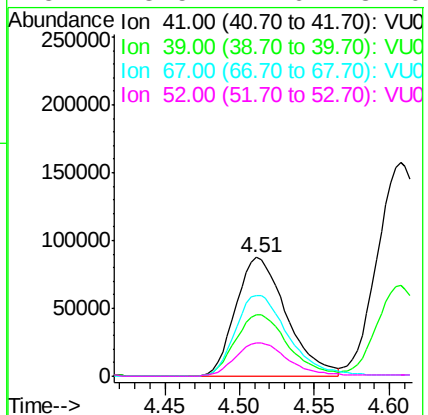
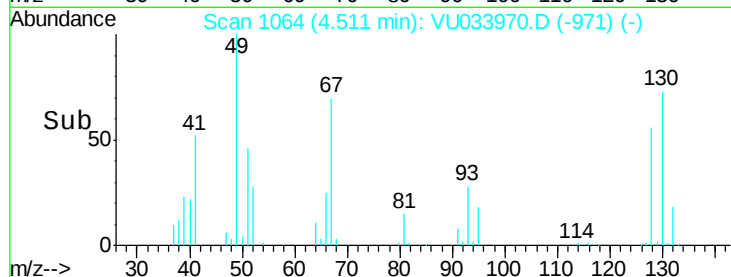
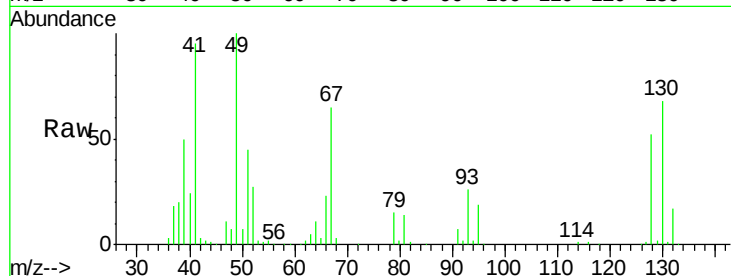
52 28.5 22.6 34.0

Manual Integrations

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8/27/2019 12:16:30 PM



#42

1,2-Dichloroethane

Concen: 50.216 ug/l

RT: 5.38 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VU033970.D

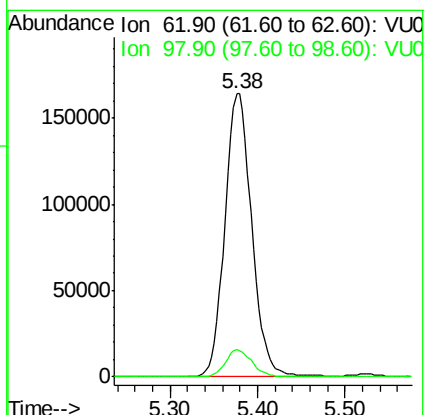
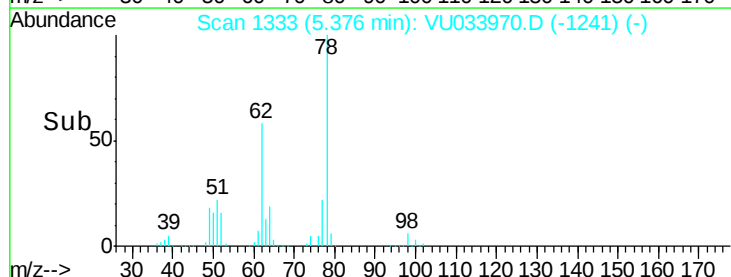
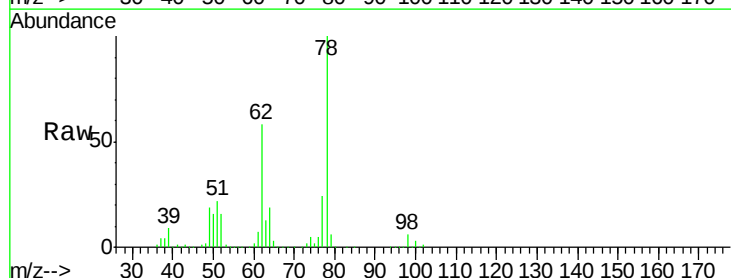
Acq: 27 Aug 2019 01:00

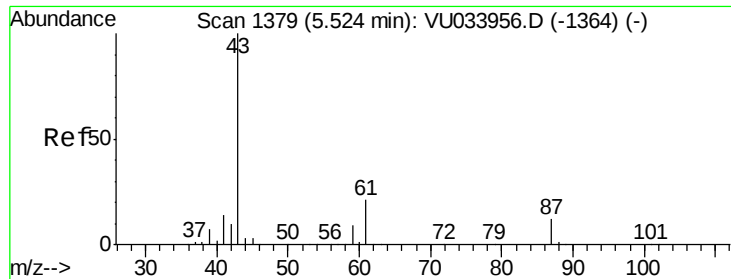
Tgt Ion: 62 Resp: 351226

Ion Ratio Lower Upper

62 100

98 9.5 0.0 18.2





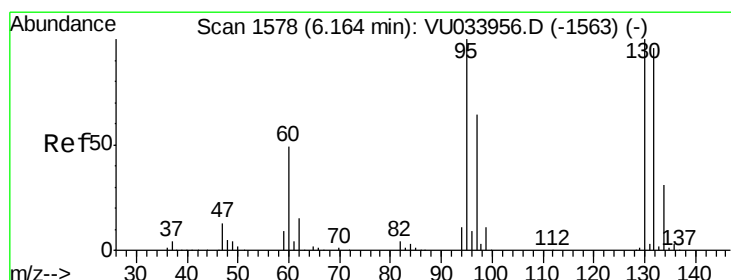
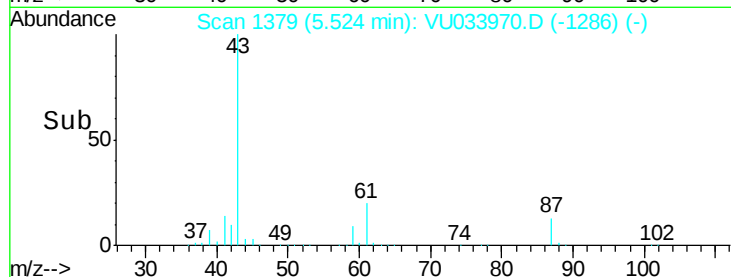
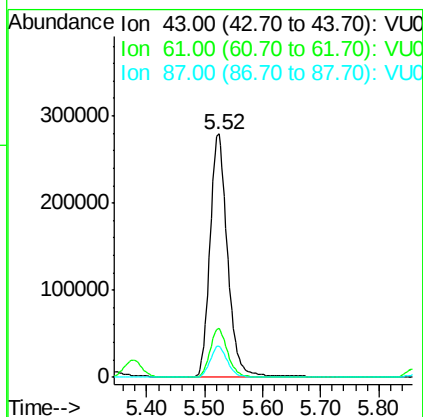
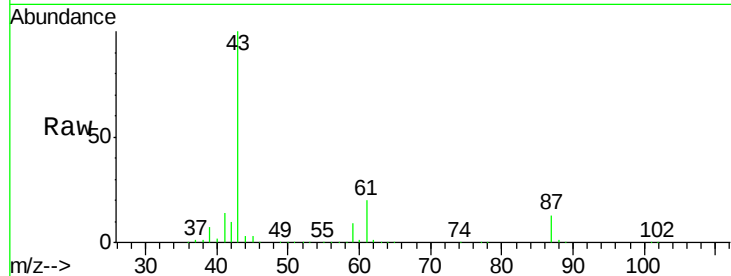
#43
Isopropyl Acetate
Concen: 52.697 ug/l
RT: 5.52 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	12.6	9.9	14.9

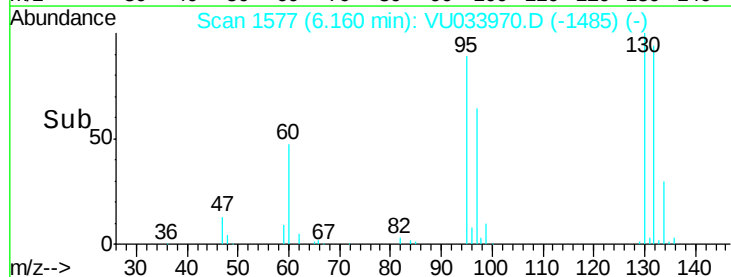
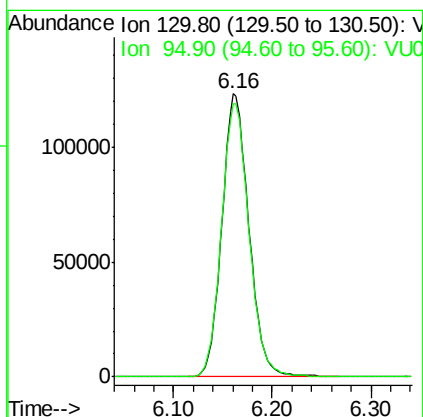
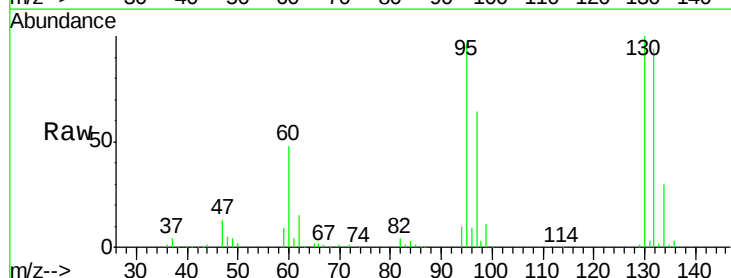
Manual Integrations
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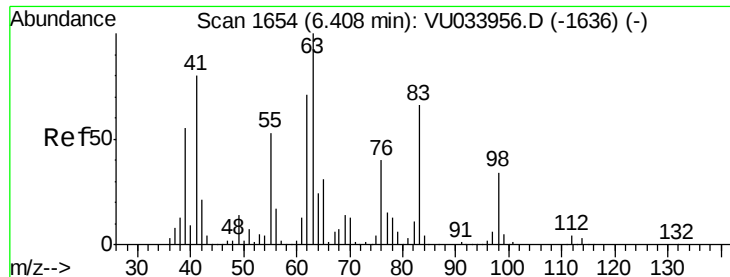
MMDadoda
8/27/2019 12:16:30 PM



#44
Trichloroethene
Concen: 48.198 ug/l
RT: 6.16 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	200.4





#45

1,2-Dichloropropane

Concen: 49.963 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 262021

Ion Ratio Lower Upper

63 100

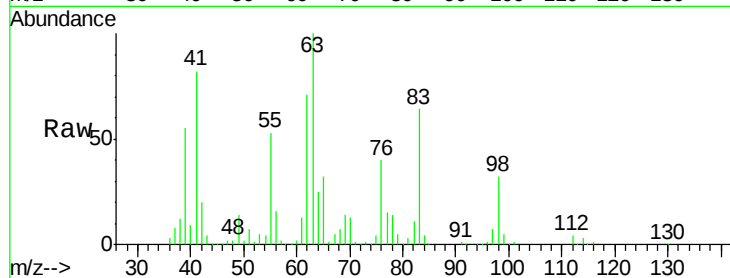
65 32.2 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VU033970.D (-1561) (-)

Ion 64.90 (64.60 to 65.60): VU033970.D (-1561) (-)

6.41

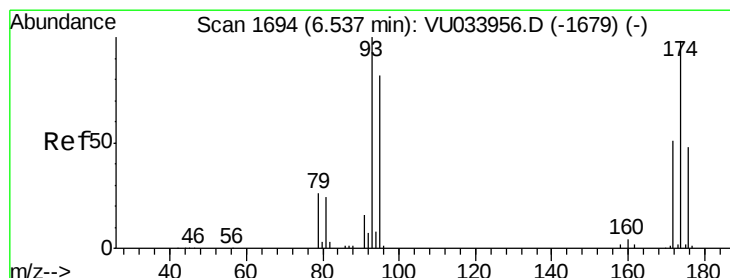
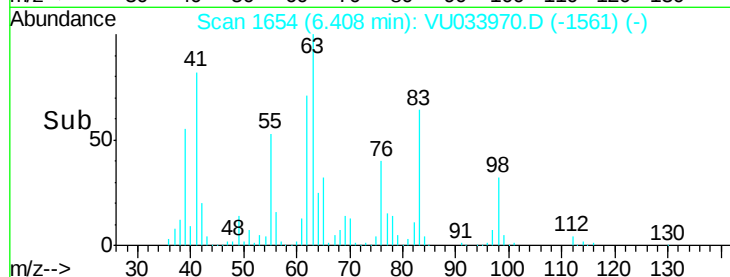
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.369 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

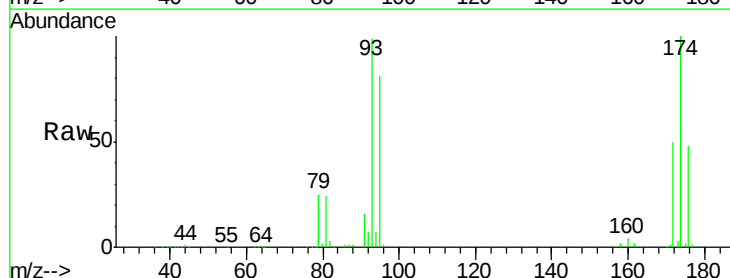
Tgt Ion: 93 Resp: 169755

Ion Ratio Lower Upper

93 100

95 82.4 67.3 100.9

174 97.9 79.7 119.5



Abundance Ion 92.80 (92.50 to 93.50): VU033970.D (-1601) (-)

Ion 94.80 (94.50 to 95.50): VU033970.D (-1601) (-)

Ion 173.70 (173.40 to 174.40): VU033970.D (-1601) (-)

6.54

120000

100000

80000

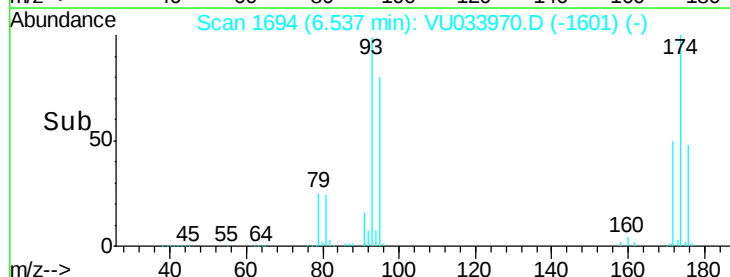
60000

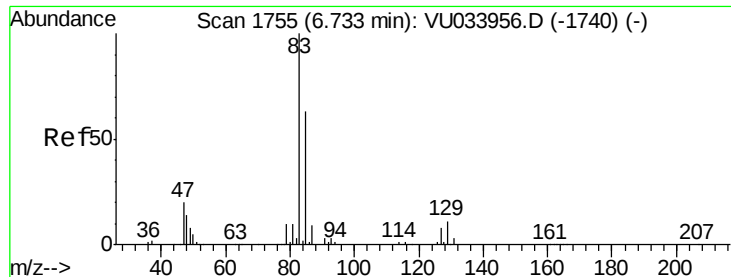
40000

20000

0

Time-->





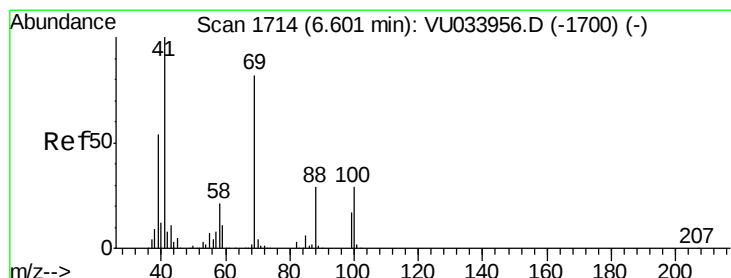
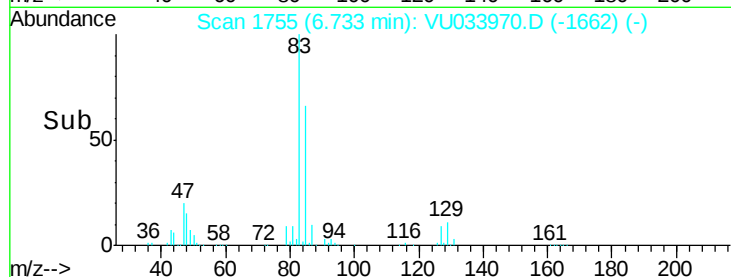
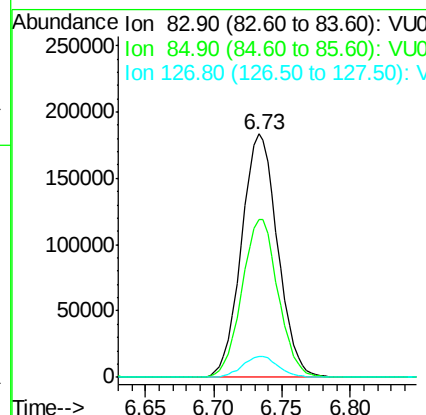
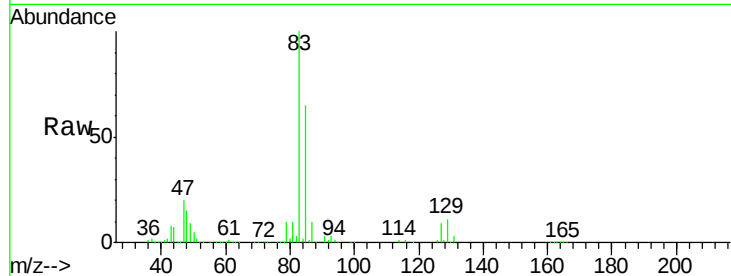
#47
Bromodichloromethane
Concen: 49.472 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	337160
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.5	75.7
127	8.7	6.6	9.8

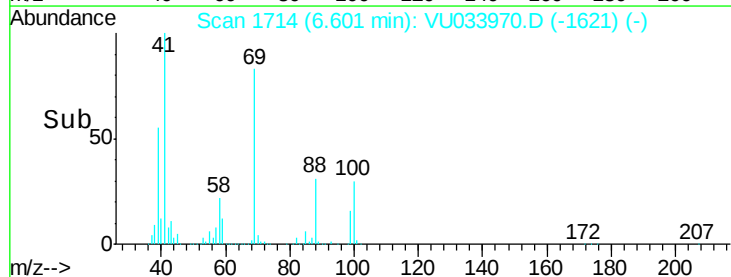
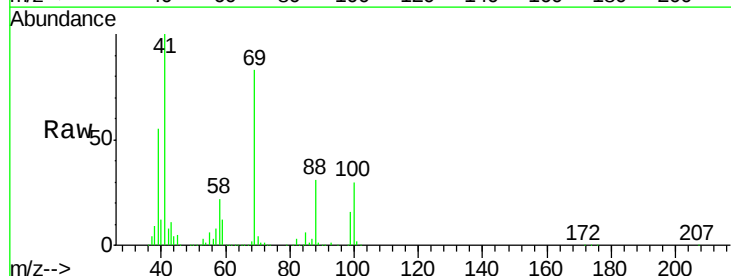
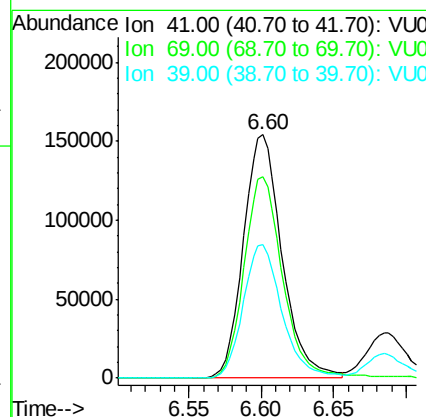
Manual Integrations
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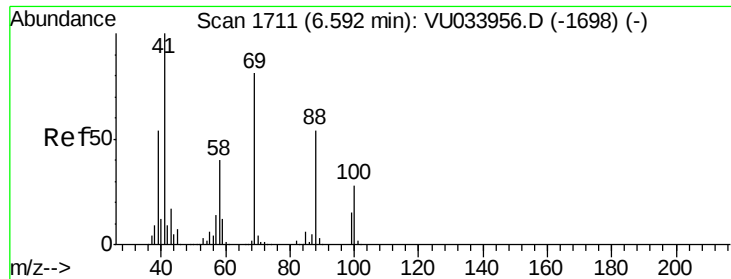
MMDadoda
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#48
Methyl methacrylate
Concen: 49.300 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	41	Resp	284249
Ion Ratio	100	Lower	Upper
41	100		
69	83.7	66.9	100.3
39	54.8	43.3	64.9





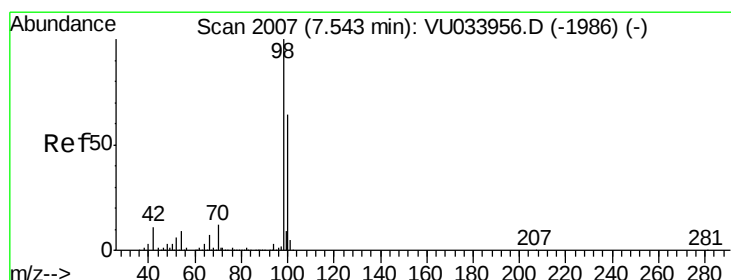
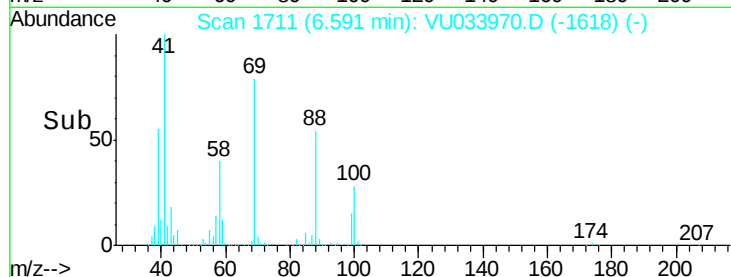
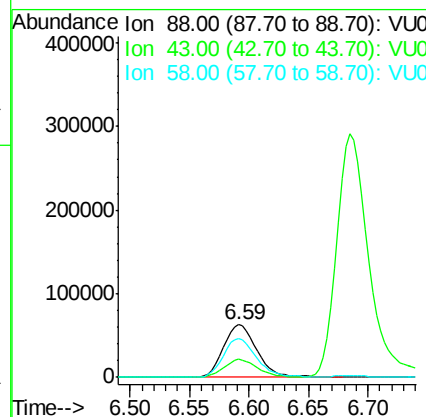
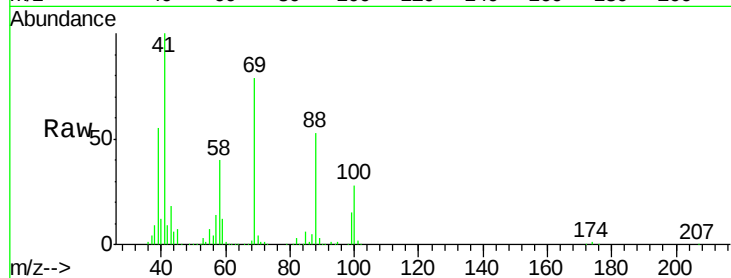
#49
1,4-Dioxane
Concen: 1075.319 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.2	40.8
58	74.6	59.3	88.9

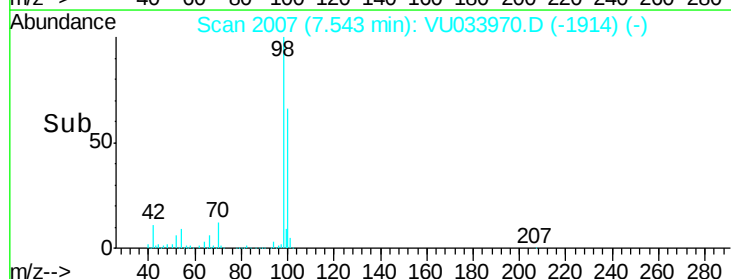
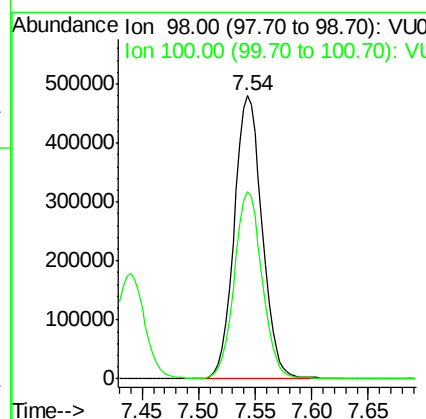
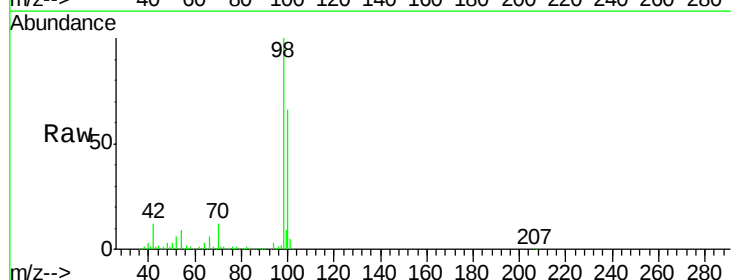
Manual Integrations
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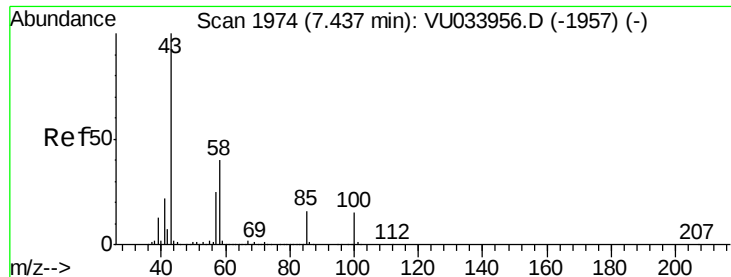
MMDadoda
8/27/2019 12:16:30 PM



#50
Toluene-d8
Concen: 51.972 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 272.425 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 2046962

Ion Ratio Lower Upper

43 100

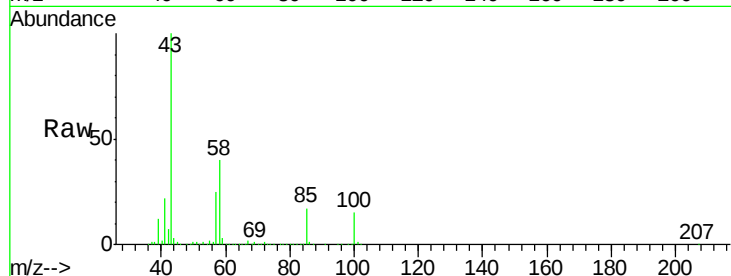
58 39.9 31.6 47.4

Manual Integrations

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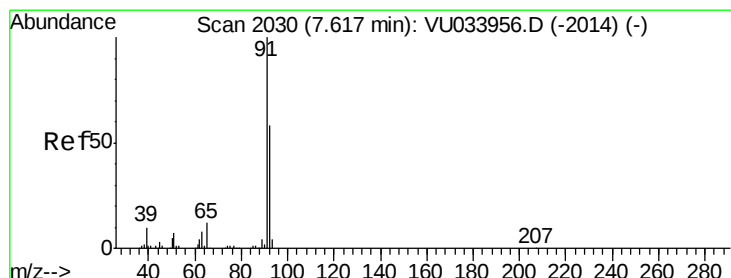
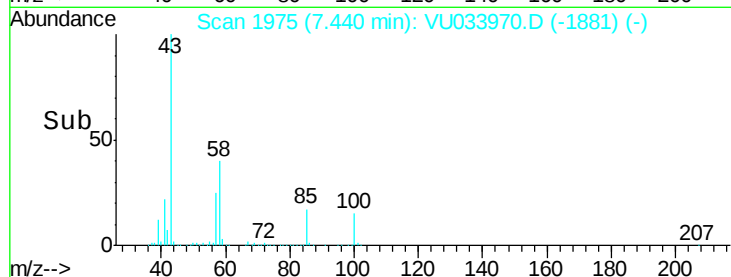
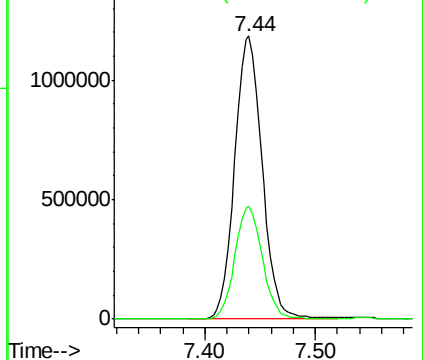
MMDadoda

8/27/2019 12:16:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VU033970.D (-1957) (-)

Ion 58.00 (57.70 to 58.70): VU033970.D (-1957) (-)



#52

Toluene

Concen: 54.929 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU033970.D

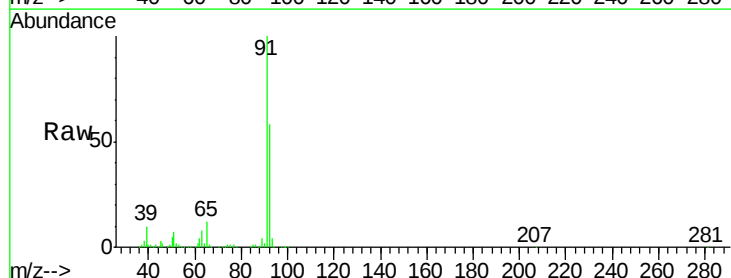
Acq: 27 Aug 2019 01:00

Tgt Ion: 92 Resp: 604261

Ion Ratio Lower Upper

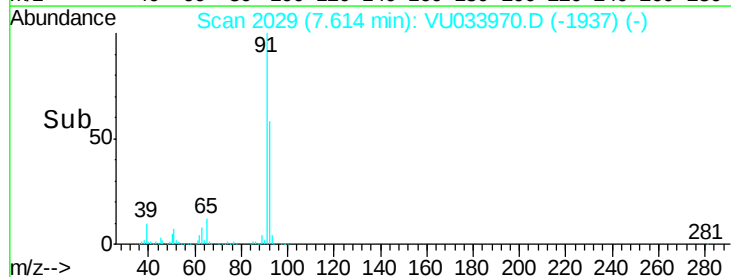
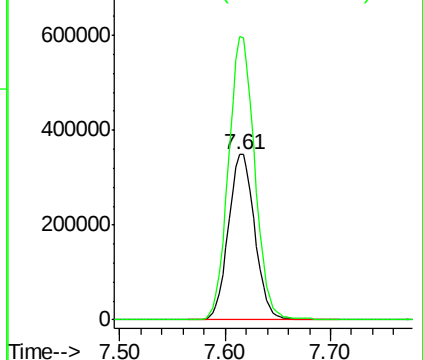
92 100

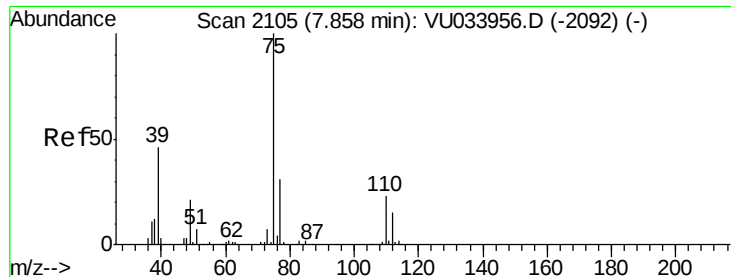
91 170.9 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VU033970.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU033970.D (-2014) (-)





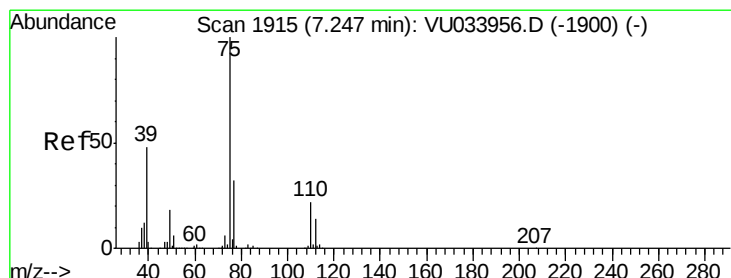
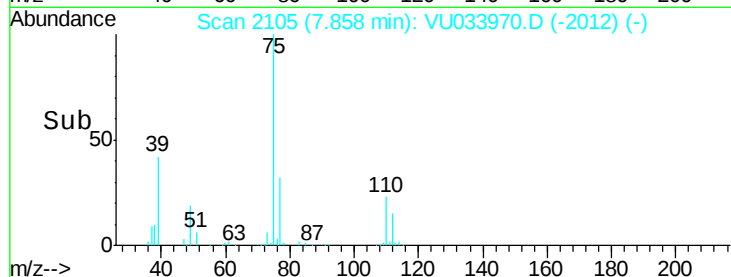
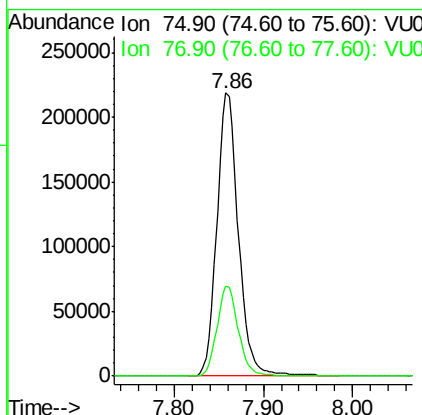
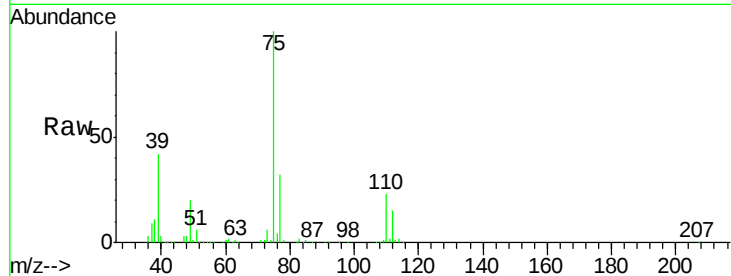
#53
 t-1,3-Dichloropropene
 Concen: 51.508 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 365611
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.9 37.3

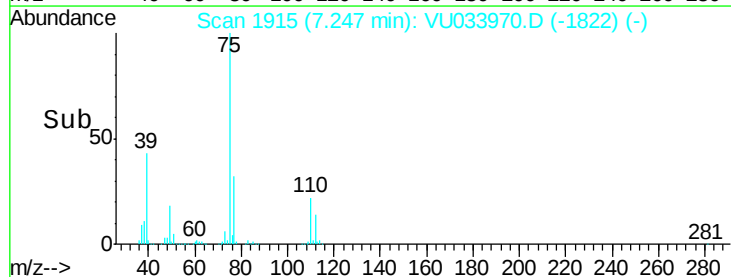
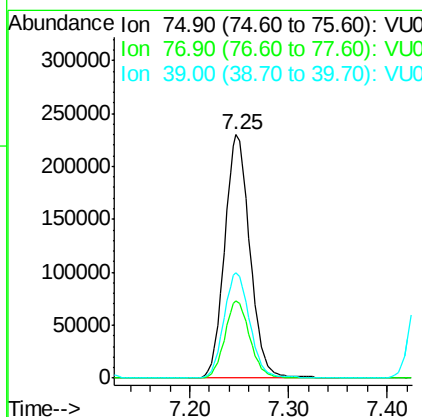
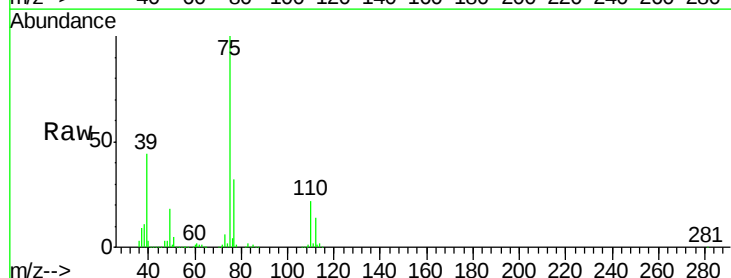
Manual Integrations
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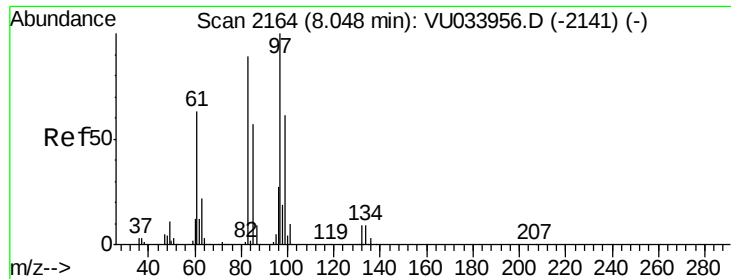
MMDadoda
 8/27/2019 12:16:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.622 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Tgt Ion: 75 Resp: 414006
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0
 39 43.4 38.3 57.5





#55

1,1,2-Trichloroethane

Concen: 51.358 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

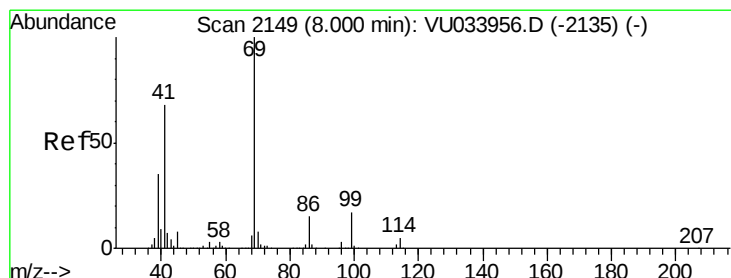
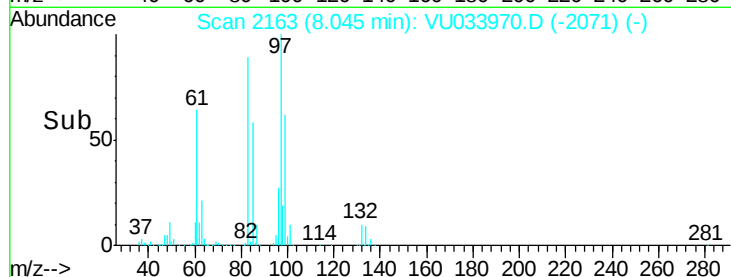
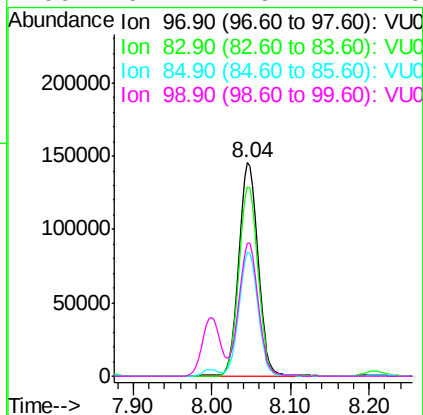
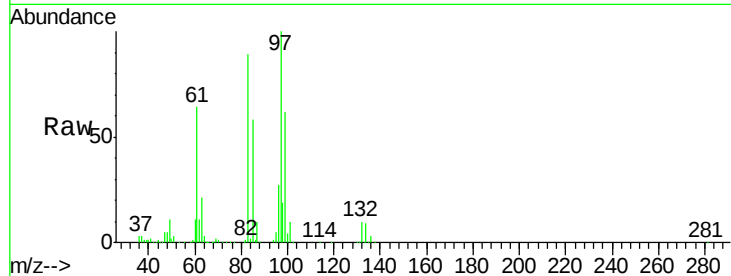
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	249184
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.0	106.4
85	57.9	45.5	68.3
99	62.2	49.4	74.0

Manual Integrations
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MMDadoda
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#56

Ethyl methacrylate

Concen: 49.770 ug/l

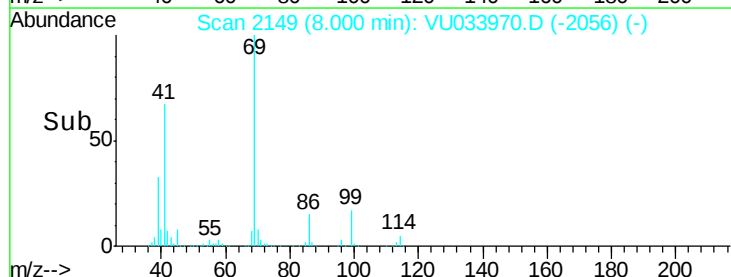
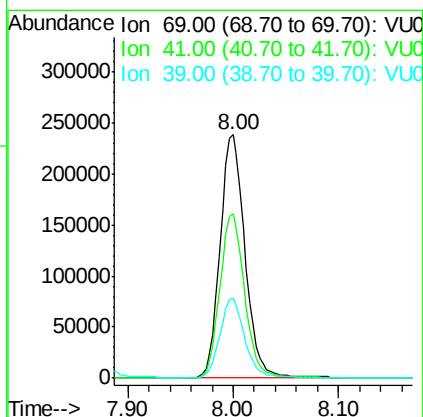
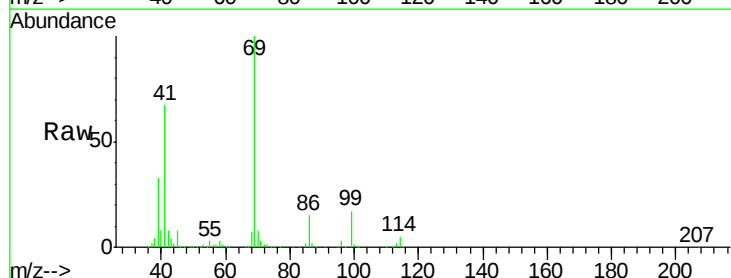
RT: 8.00 min Scan# 2149

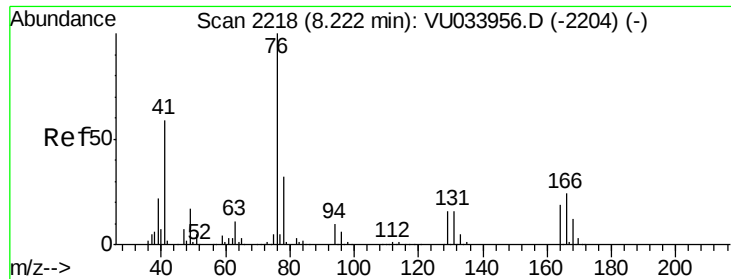
Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Tgt Ion:	69	Resp:	390355
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.1	81.1
39	32.1	28.1	42.1





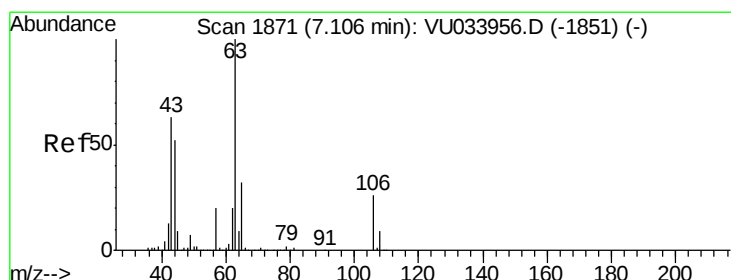
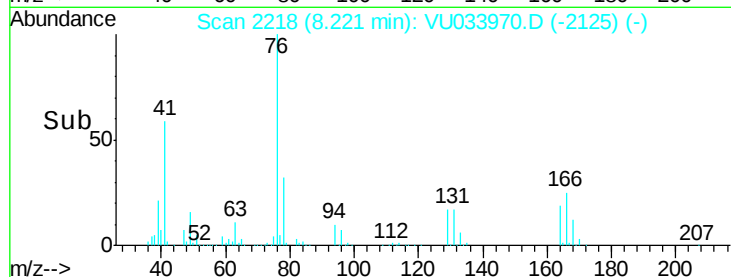
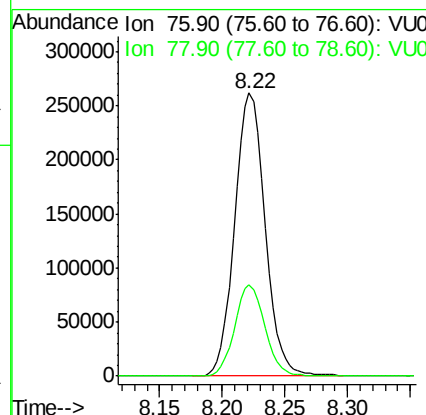
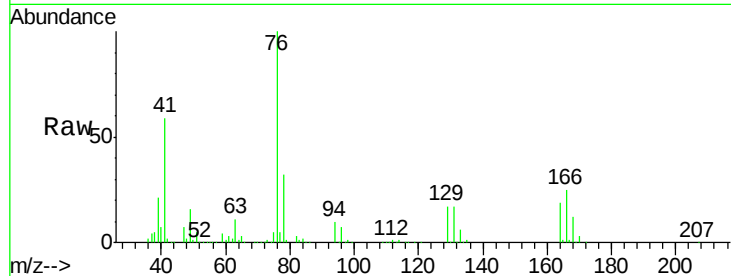
#57
 1,3-Dichloropropane
 Concen: 52.454 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 442002
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.2

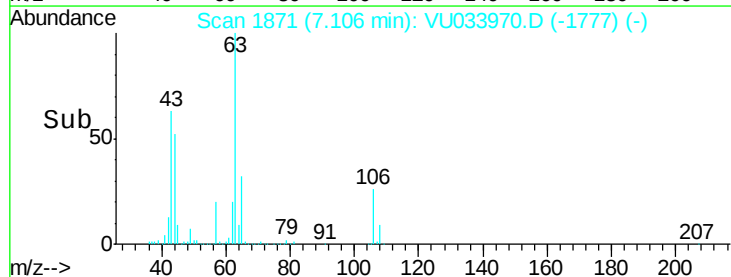
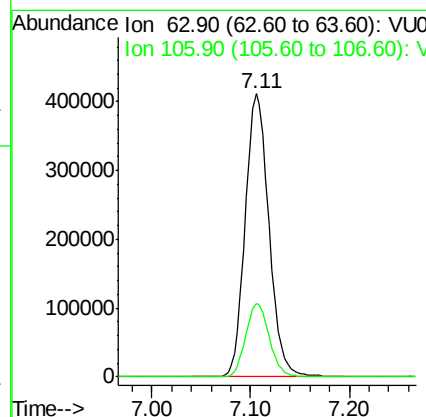
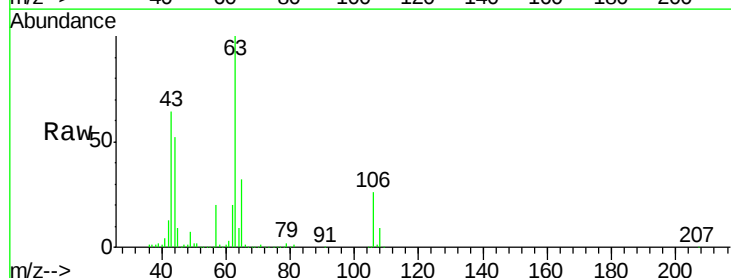
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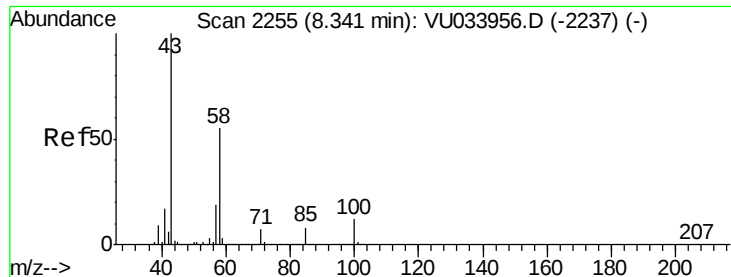
MMDadoda
 8/27/2019 12:16:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.214 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Tgt Ion: 63 Resp: 684821
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.8 31.2





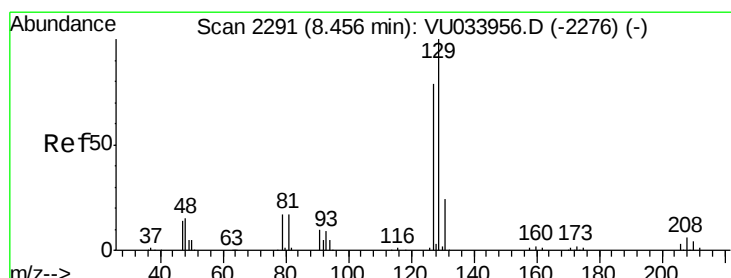
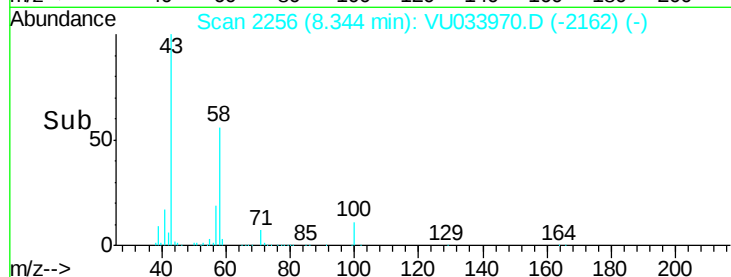
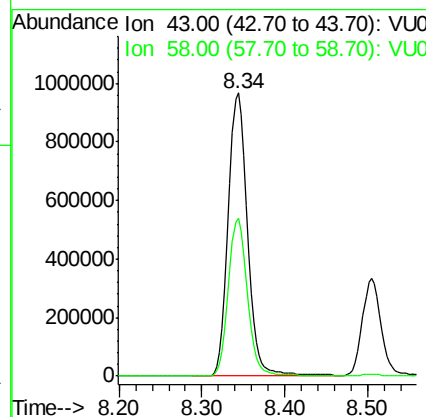
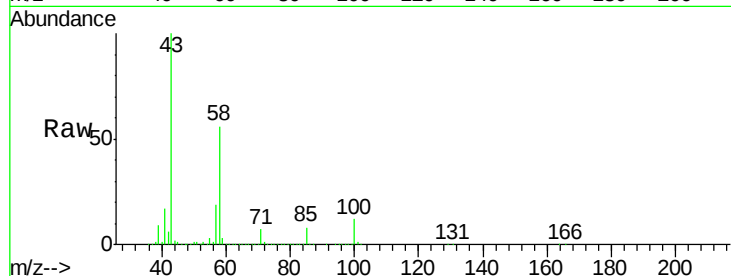
#59
2-Hexanone
Concen: 271.992 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1558226
Ion Ratio Lower Upper
43 100
58 55.2 27.3 81.9

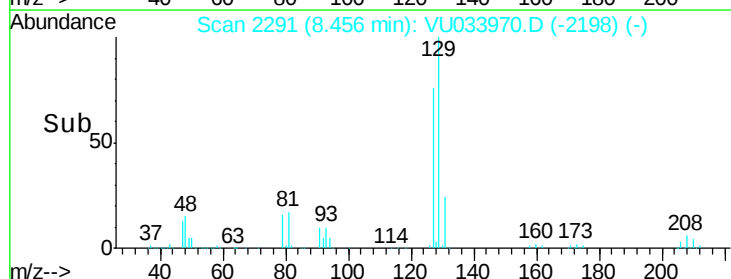
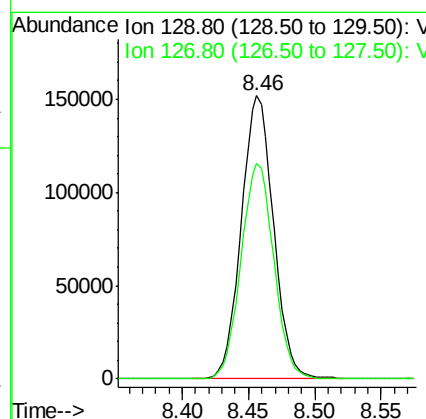
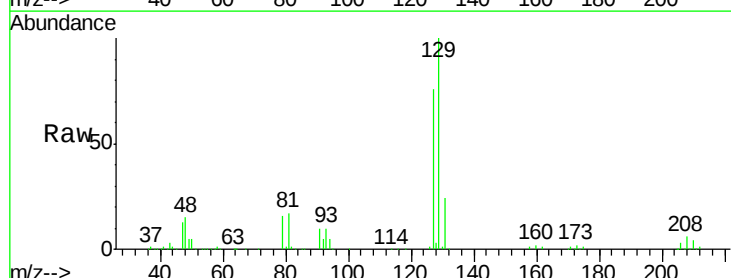
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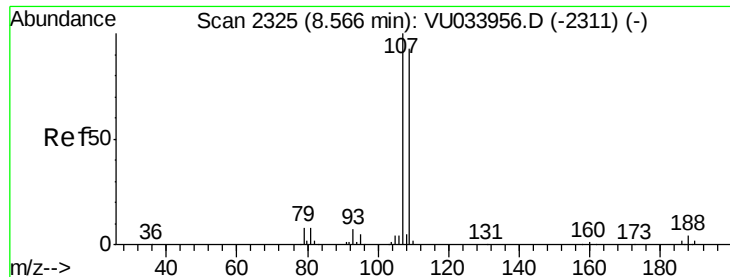
MMDadoda
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#60
Dibromochloromethane
Concen: 50.700 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion: 129 Resp: 256086
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





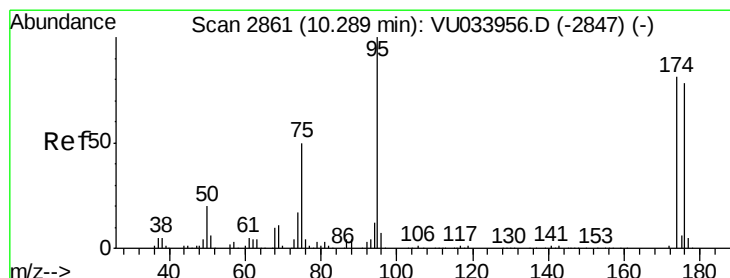
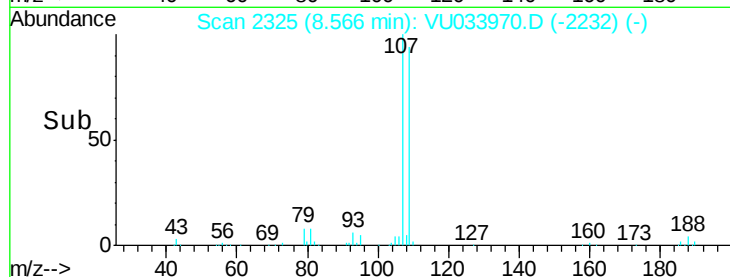
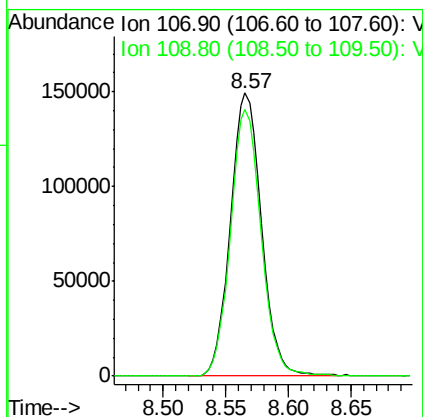
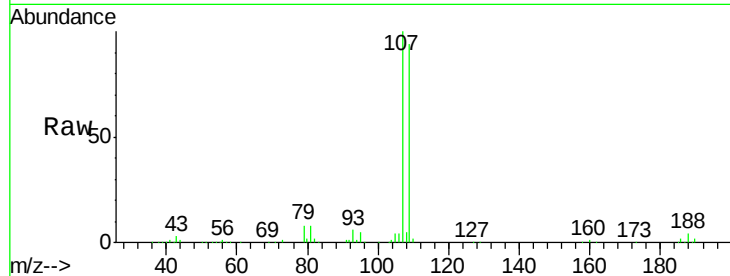
#61
 1,2-Dibromoethane
 Concen: 51.059 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.7	112.1

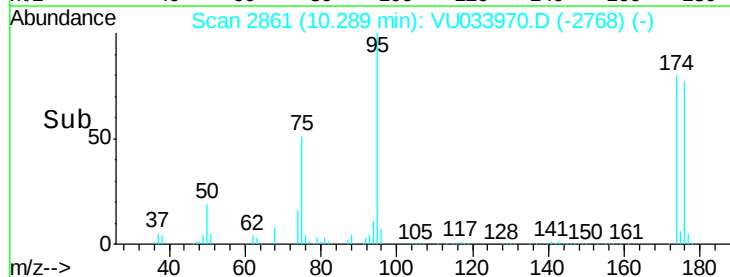
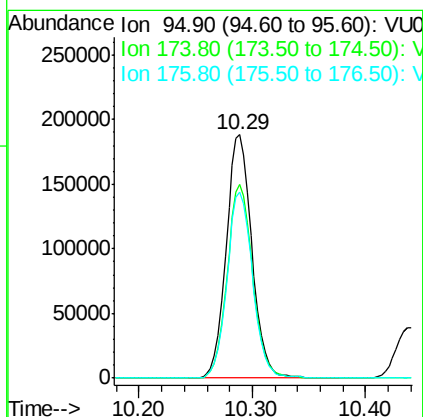
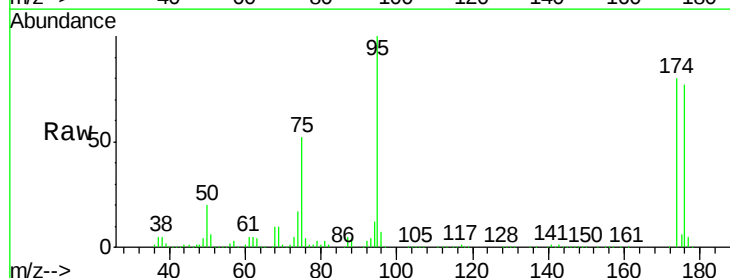
Manual Integrations
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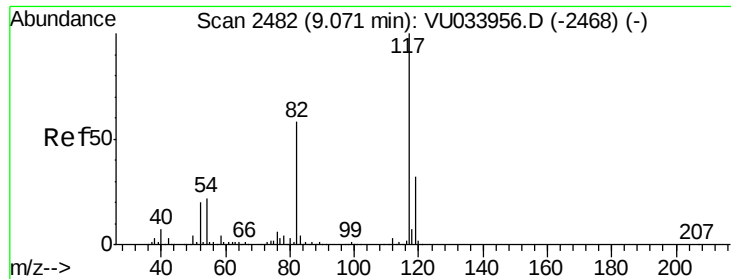
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#62
 4-Bromofluorobenzene
 Concen: 48.328 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	160.4
176	76.9	0.0	154.2





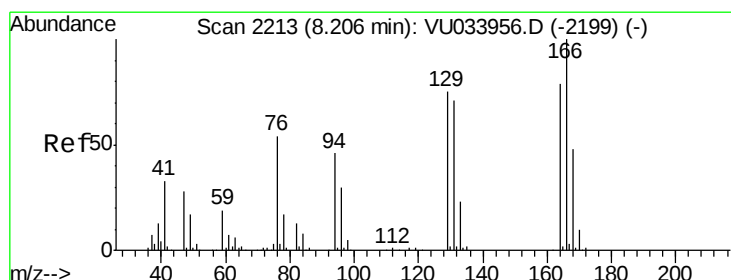
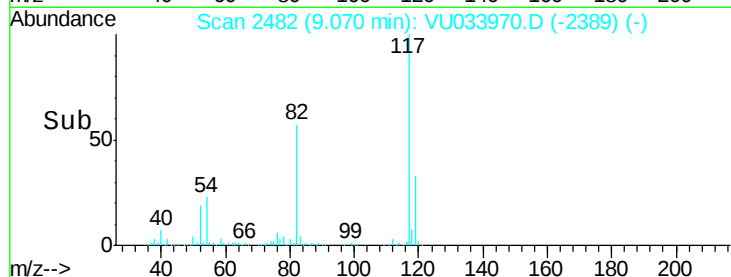
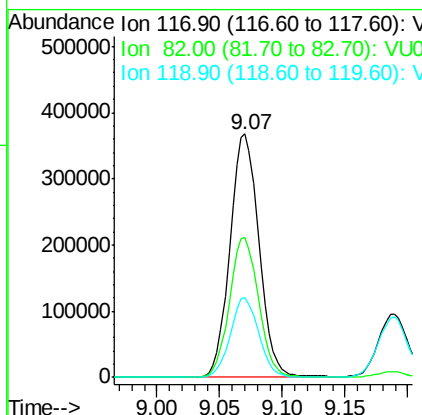
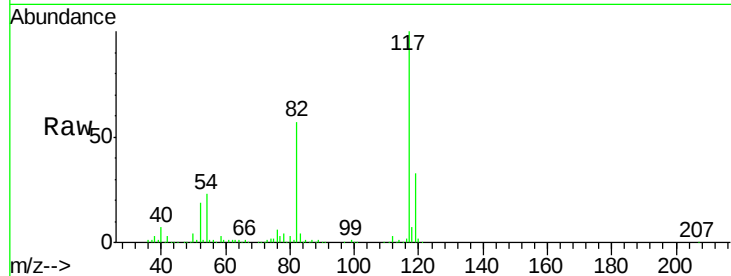
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.4	69.6
119	32.5	25.3	37.9

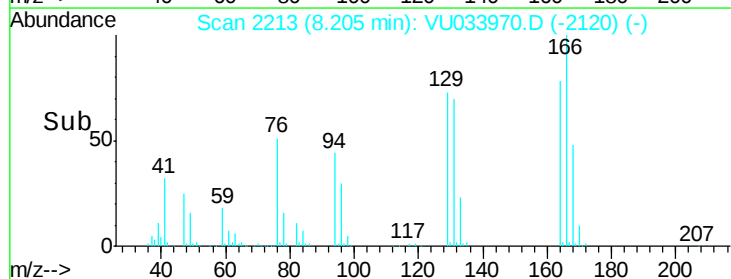
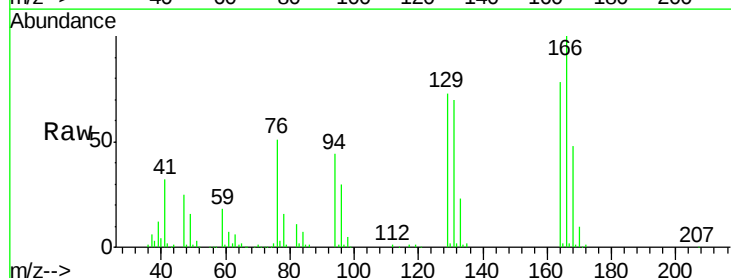
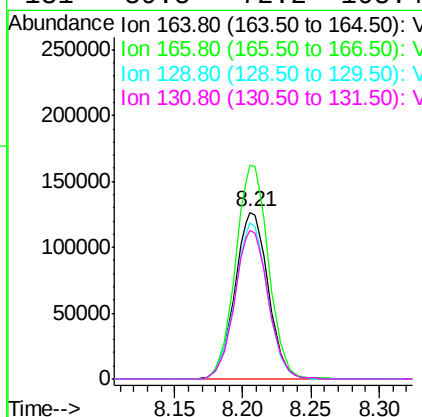
Manual Integrations
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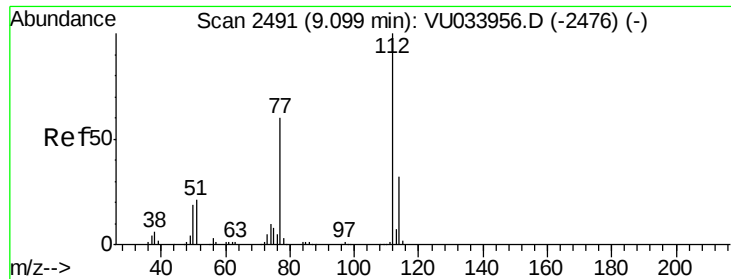
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#64
Tetrachloroethene
Concen: 50.056 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.4	152.2
129	93.6	76.6	114.8
131	89.5	72.2	108.4





#65

Chlorobenzene

Concen: 50.832 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 622830

Ion Ratio Lower Upper

112 100

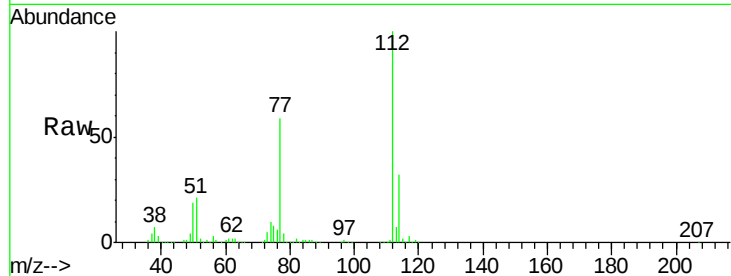
114 31.6 25.4 38.2

Manual Integrations

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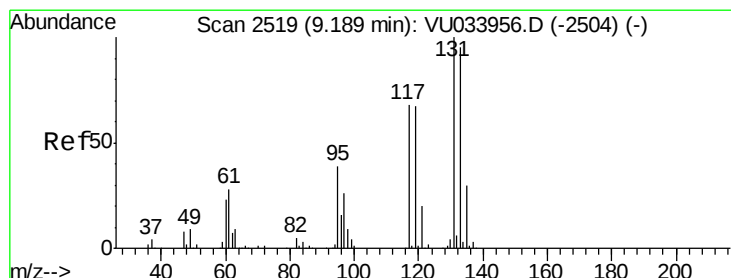
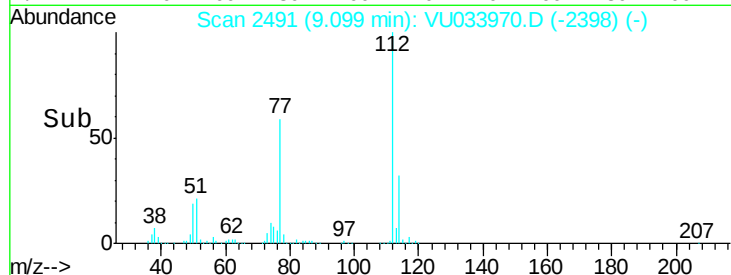
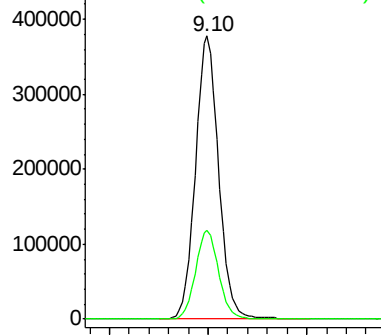
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.516 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

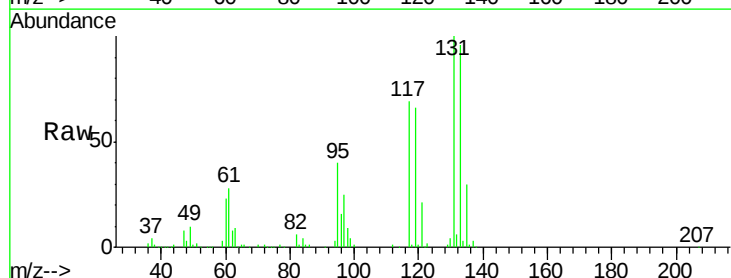
Tgt Ion:131 Resp: 228992

Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

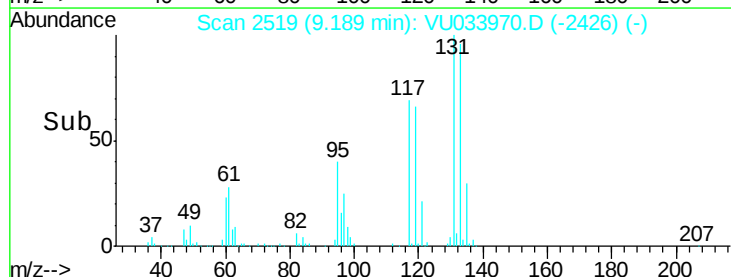
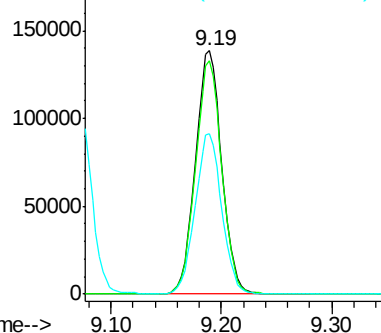
119 66.5 33.3 99.8

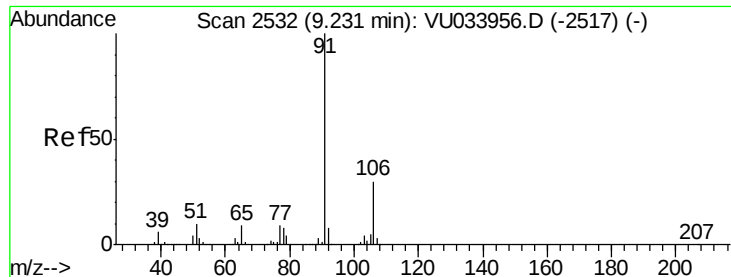


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





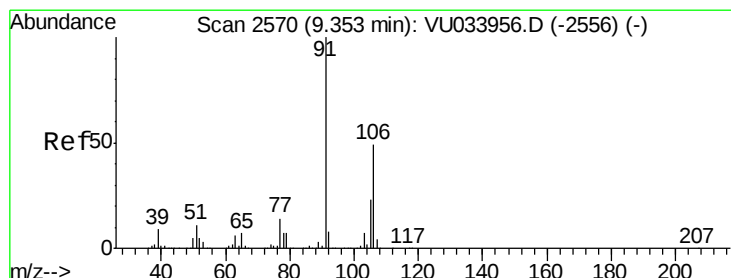
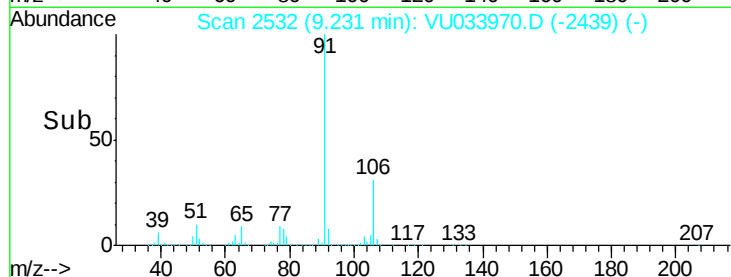
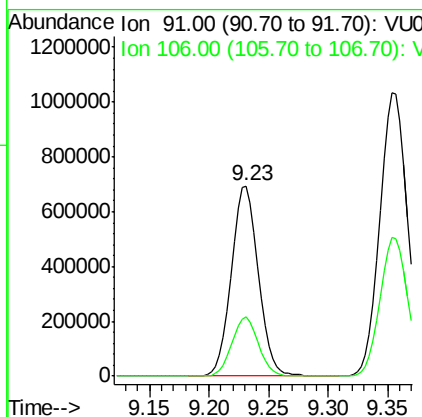
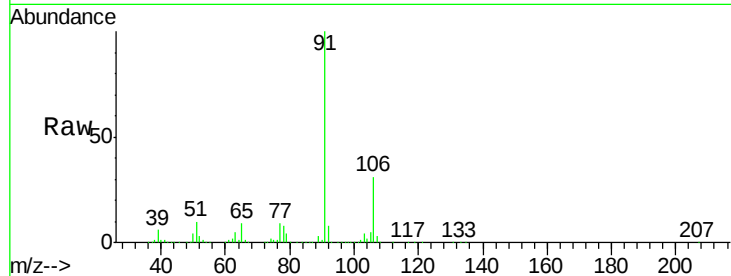
#67
Ethyl Benzene
Concen: 54.238 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1092518
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5

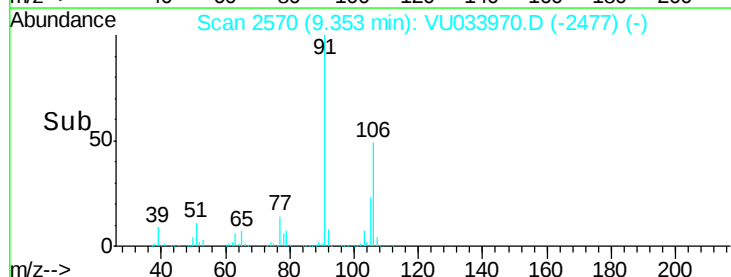
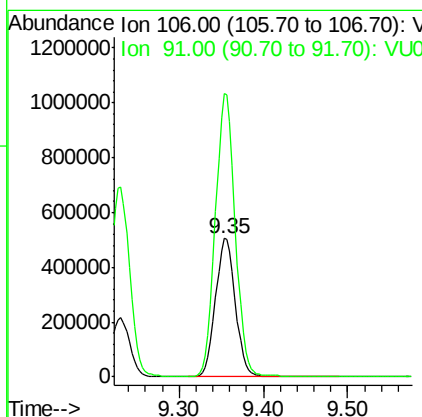
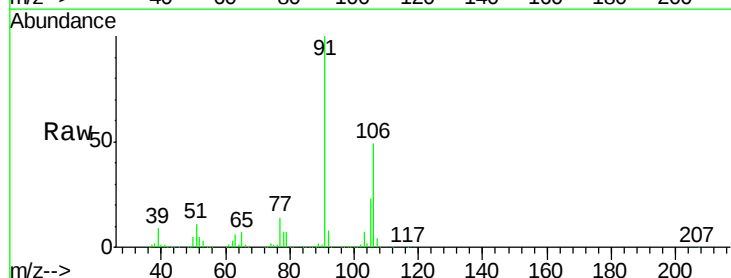
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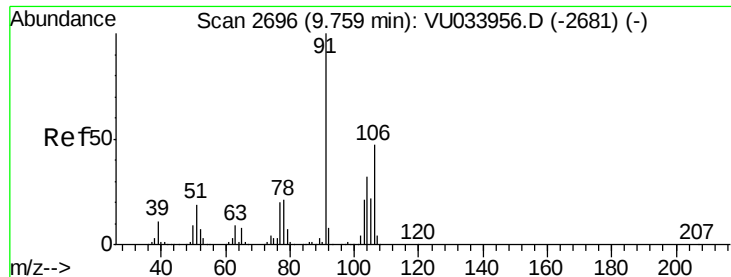
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#68
m/p-Xylenes
Concen: 111.570 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion: 106 Resp: 827588
Ion Ratio Lower Upper
106 100
91 204.3 163.8 245.6





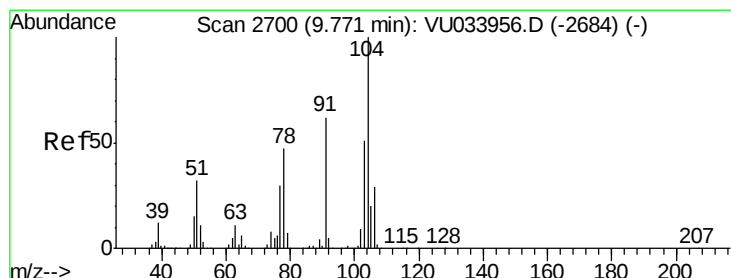
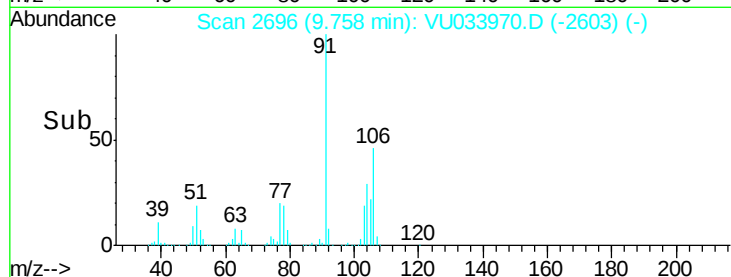
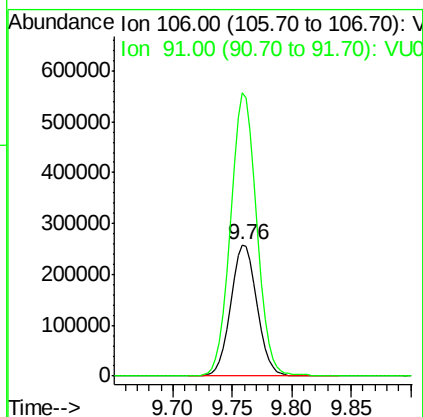
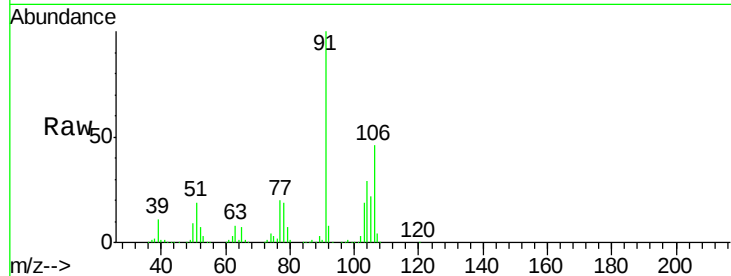
#69
o-Xylene
Concen: 55.933 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	396594		
91	214.2	106.9	320.7	

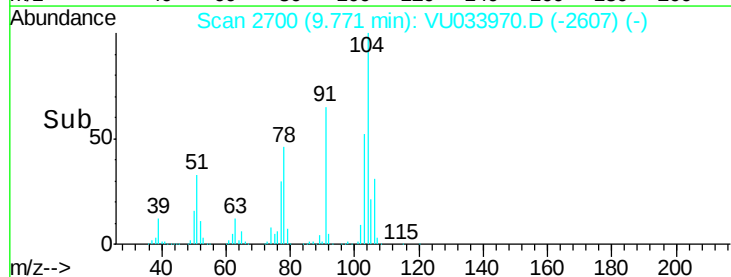
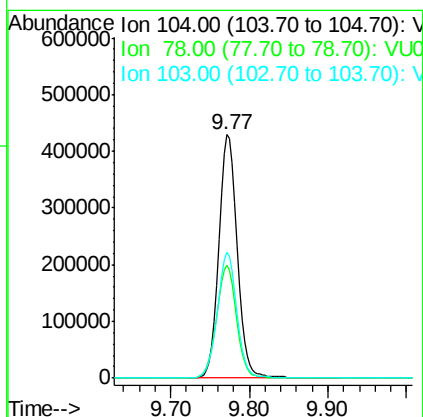
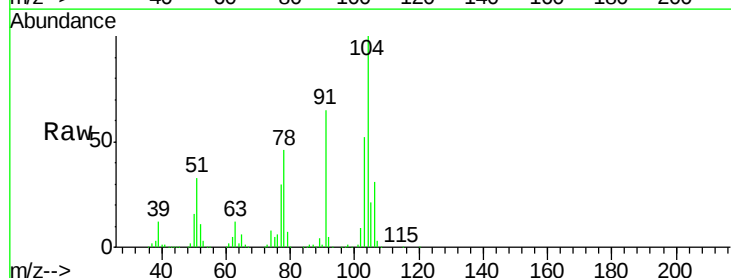
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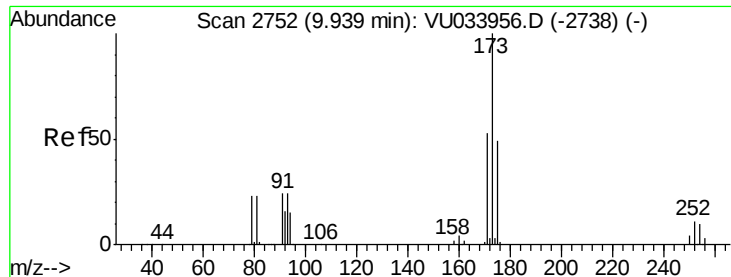
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#70
Styrene
Concen: 56.401 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	692738		
78	49.9	40.4	60.6	
103	54.3	43.8	65.6	





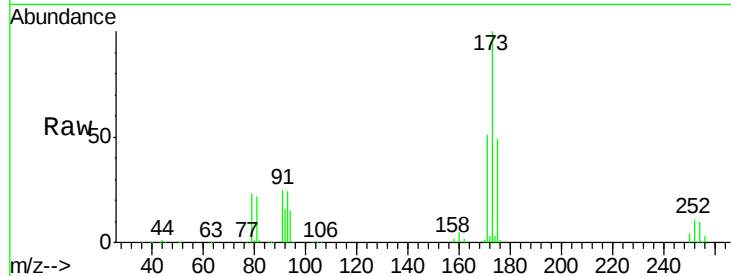
#71
Bromoform
Concen: 51.240 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

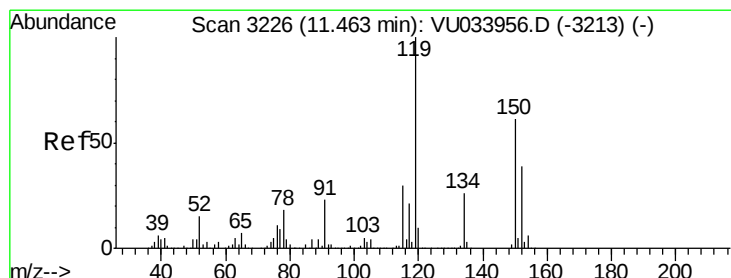
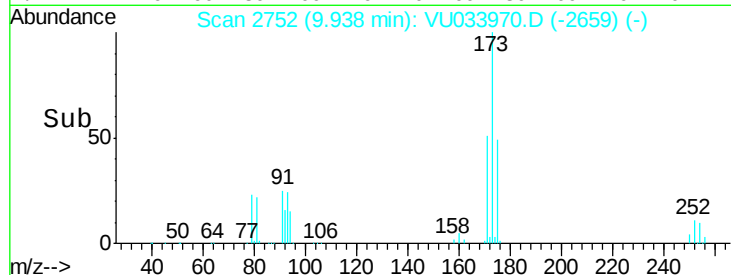
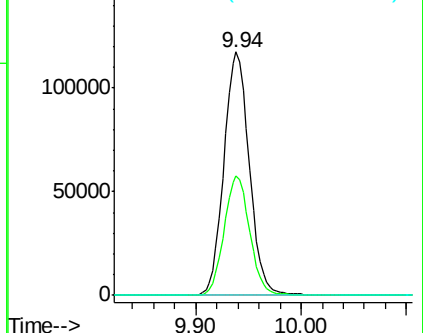
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.8	74.3
254	0.2	0.1	0.1#

Manual Integrations
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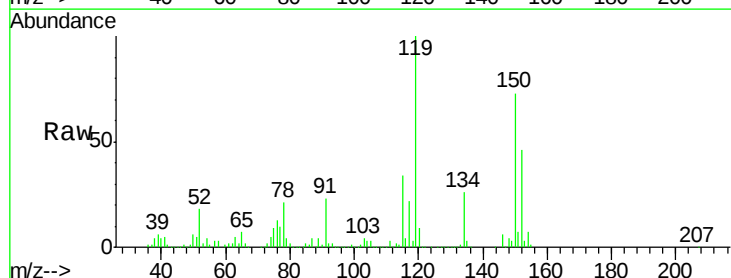


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

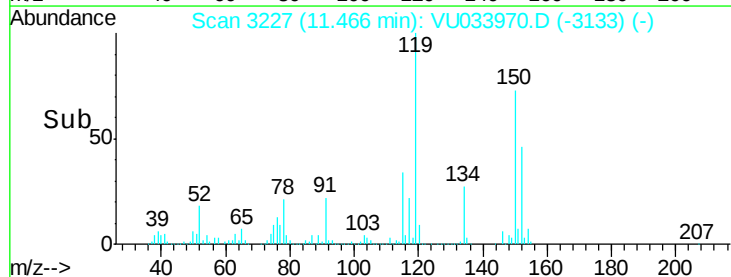
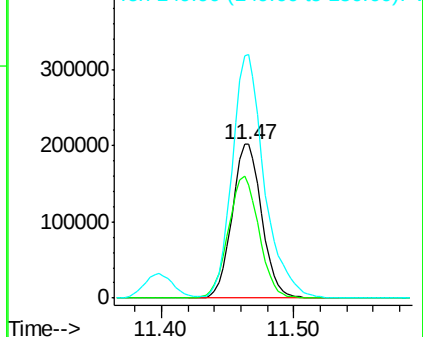


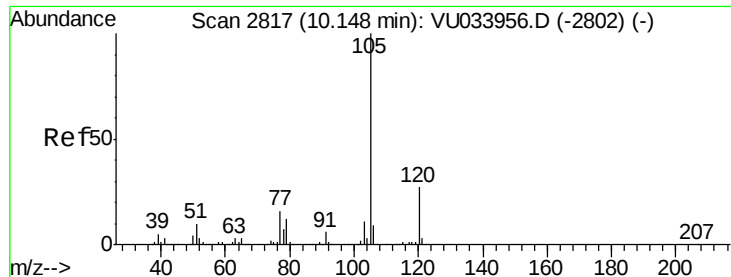
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.8	40.3	120.9
150	171.9	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.734 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1077223

Ion Ratio Lower Upper

105 100

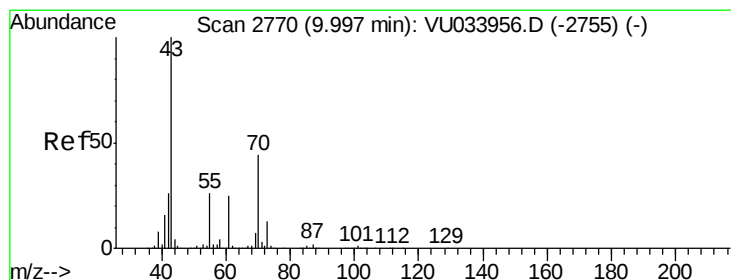
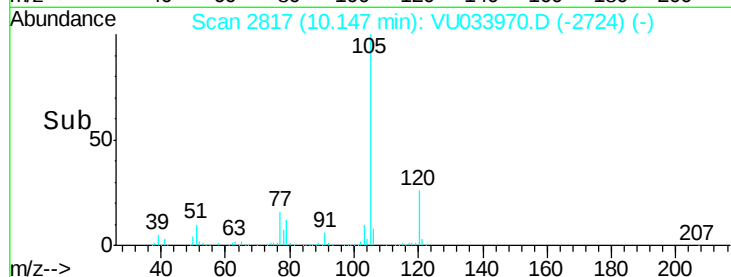
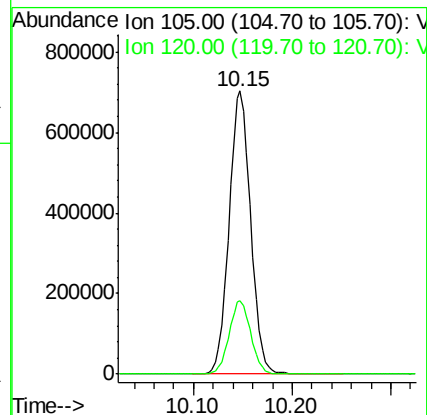
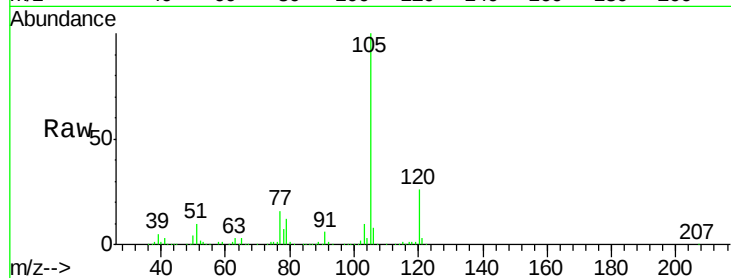
120 26.1 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.509 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Tgt Ion: 43 Resp: 504937

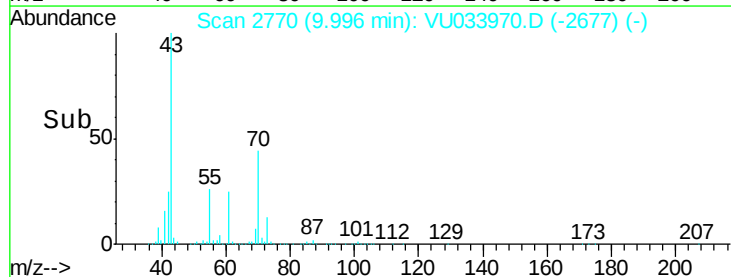
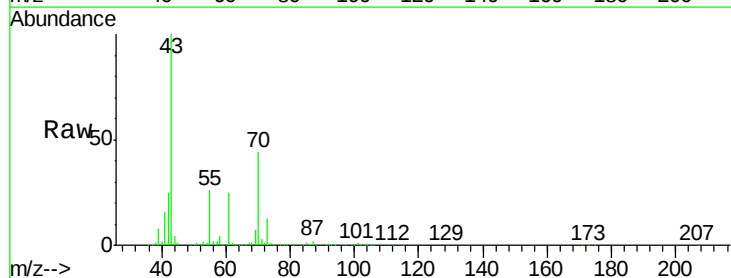
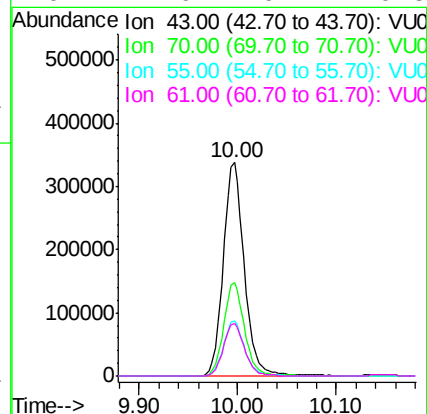
Ion Ratio Lower Upper

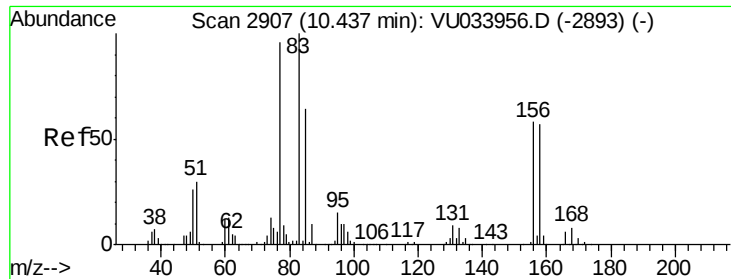
43 100

70 43.4 34.5 51.7

55 26.1 20.9 31.3

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.292 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 424233

Ion Ratio Lower Upper

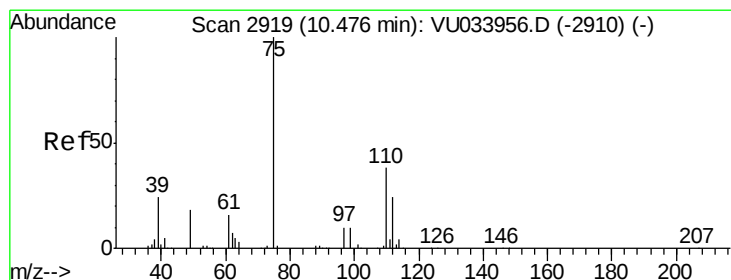
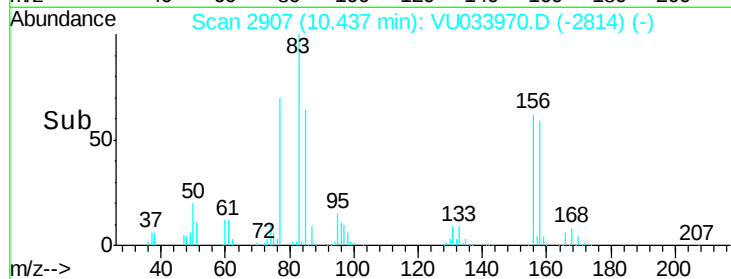
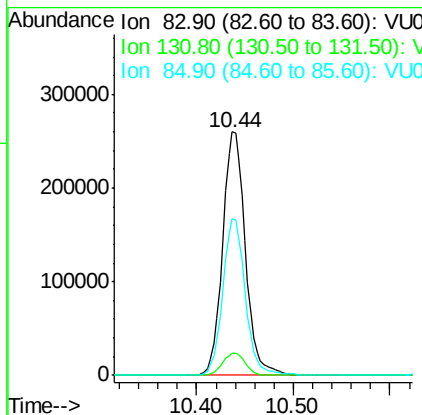
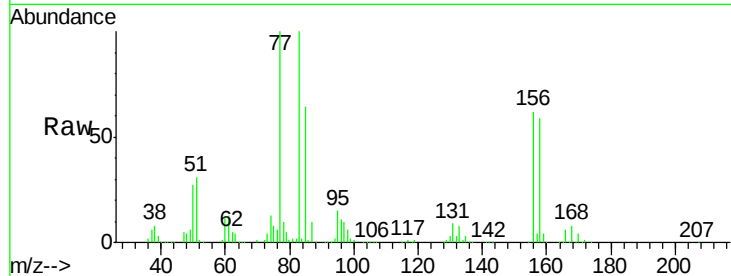
83 100

131 9.1 4.6 13.8

85 63.8 32.4 97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.319 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033970.D

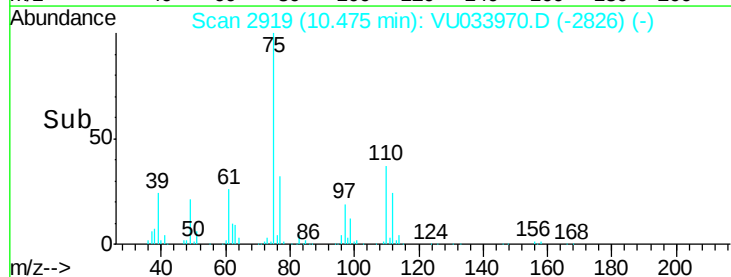
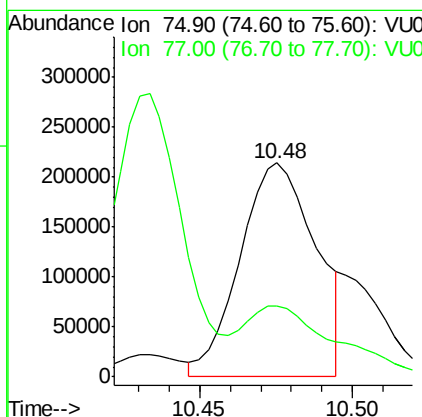
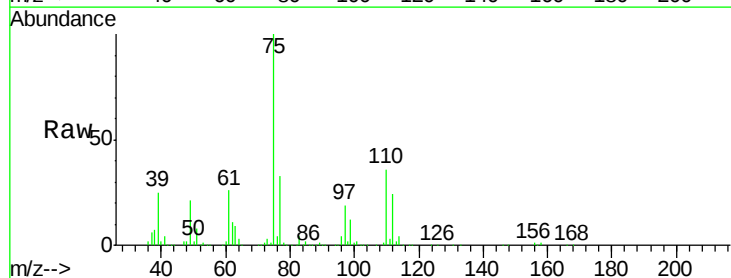
Acq: 27 Aug 2019 01:00

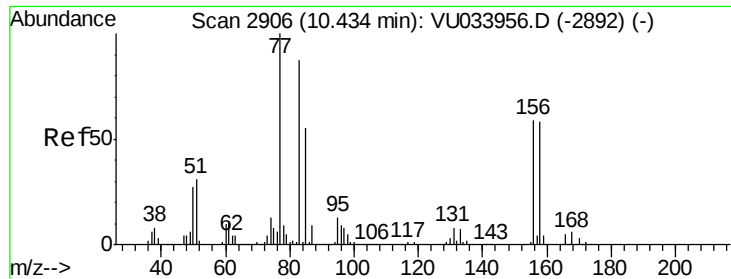
Tgt Ion: 75 Resp: 371285

Ion Ratio Lower Upper

75 100

77 40.2 20.1 60.3





#77

Bromobenzene

Concen: 52.883 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

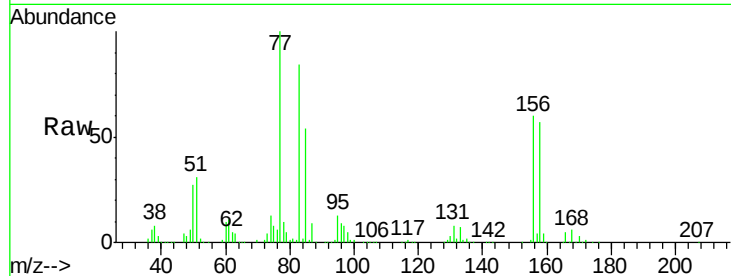
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	272876
Ion	Ratio	Lower	Upper
156	100		
77	168.5	85.3	255.8
158	96.2	48.9	146.7

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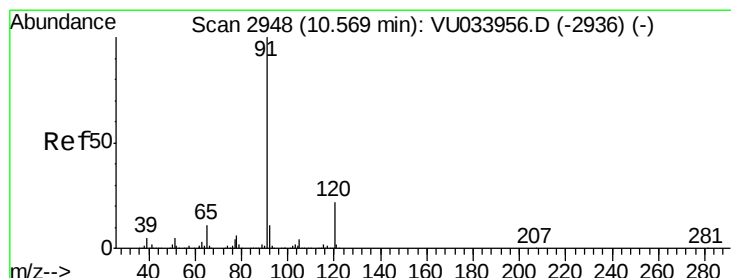
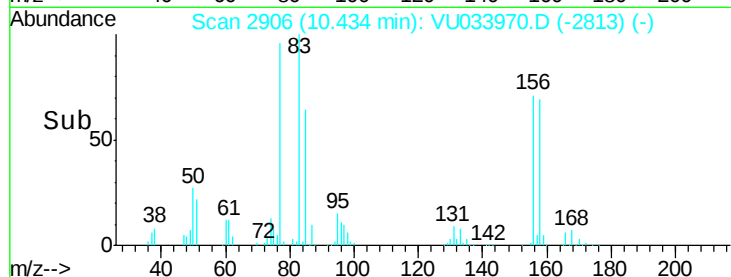
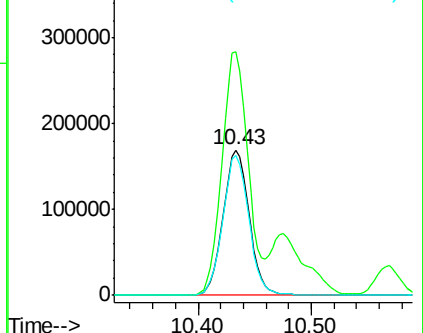
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.119 ug/l

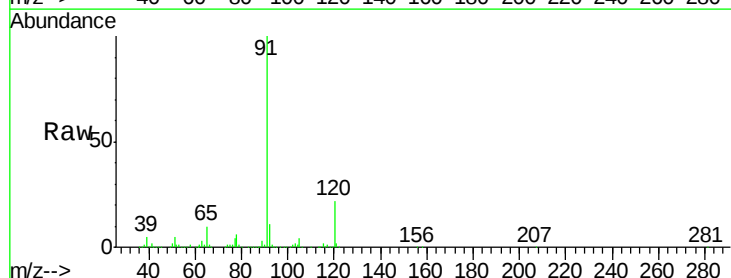
RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU033970.D

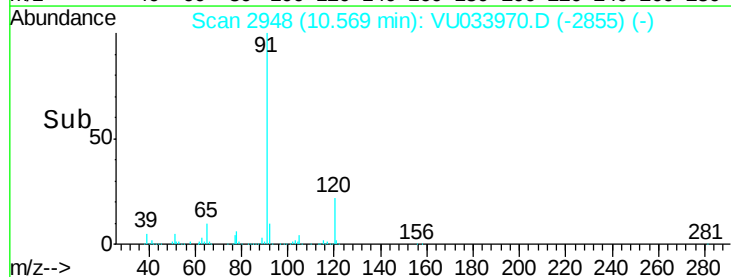
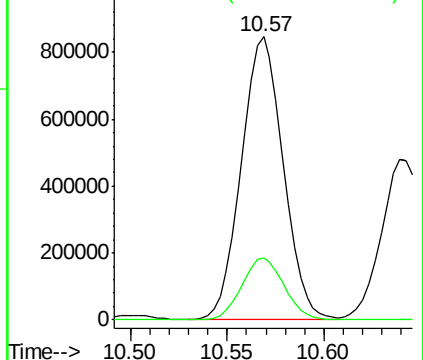
Acq: 27 Aug 2019 01:00

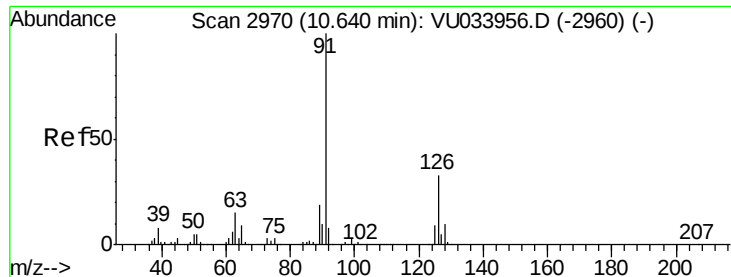
Tgt Ion:	91	Resp:	1273746
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.708 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 757076

Ion Ratio Lower Upper

91 100

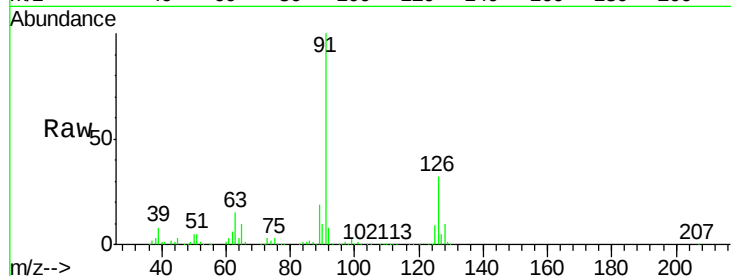
126 32.9 16.8 50.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU033956.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033956.D (-2960) (-)

1000000

800000

600000

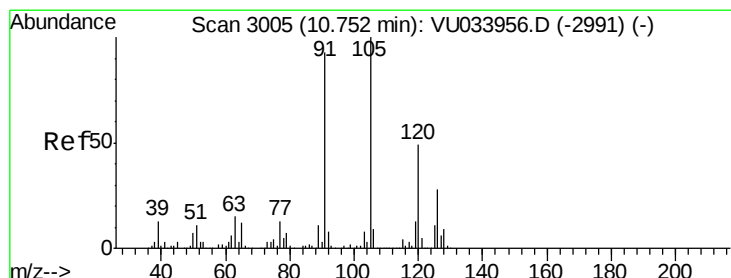
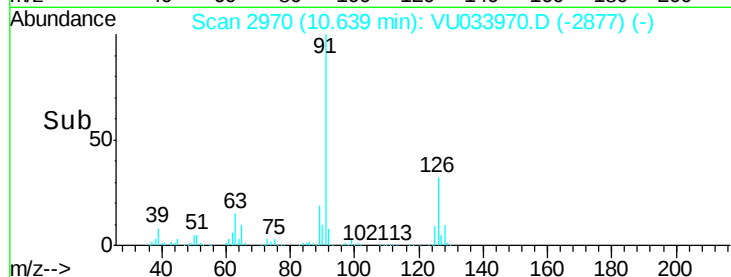
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.281 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU033970.D

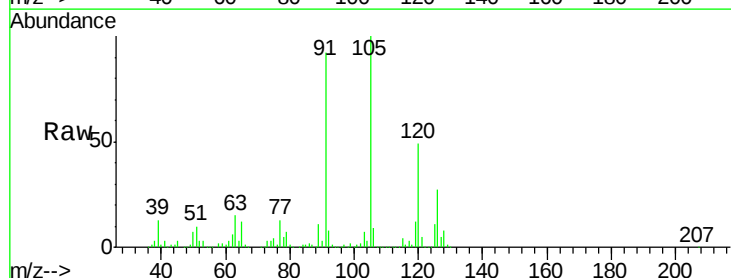
Acq: 27 Aug 2019 01:00

Tgt Ion: 105 Resp: 929660

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VU033956.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033956.D (-2991) (-)

600000

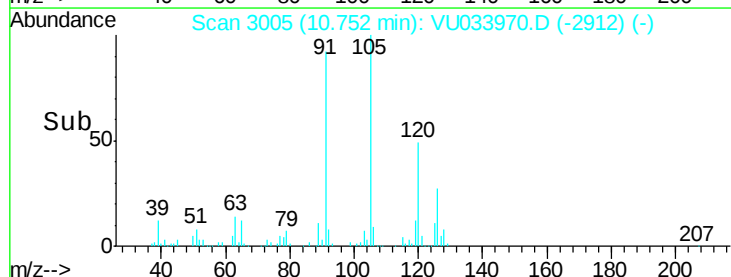
400000

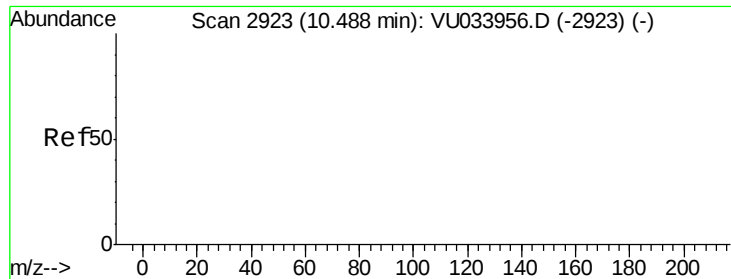
200000

0

10.70 10.80

Time-->





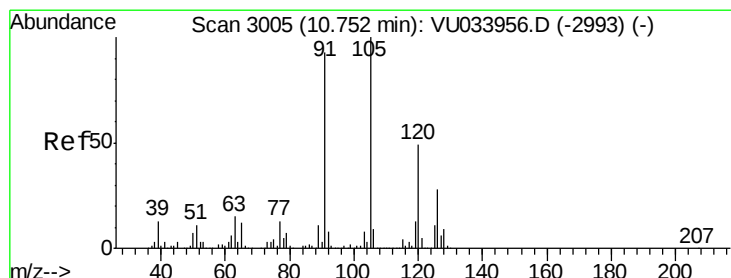
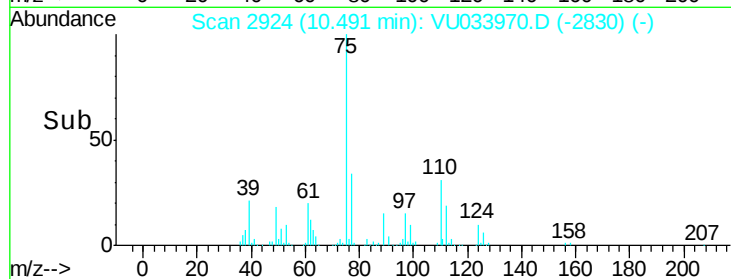
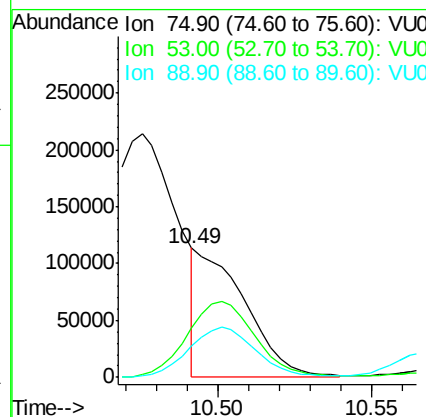
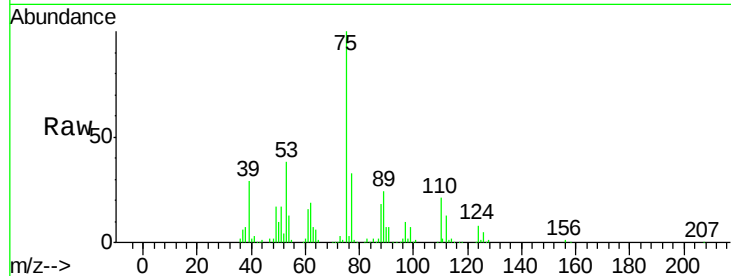
#81
trans-1,4-Dichloro-2-butene
Concen: 44.996 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

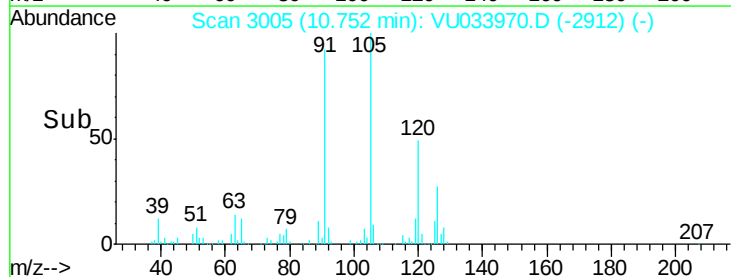
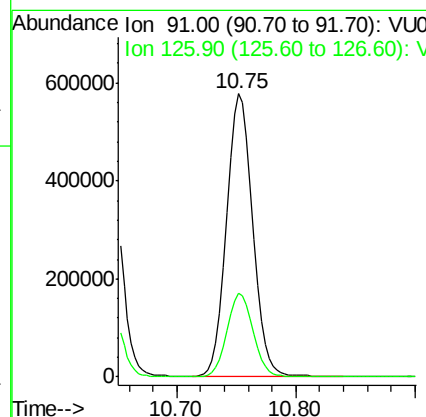
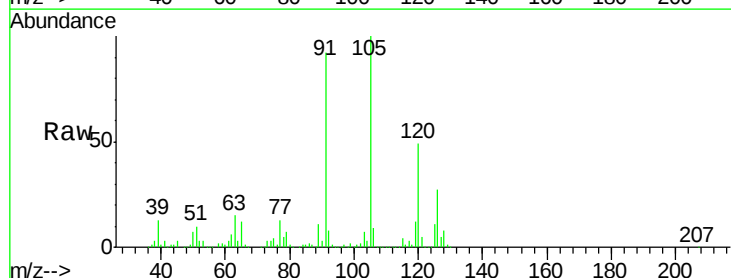
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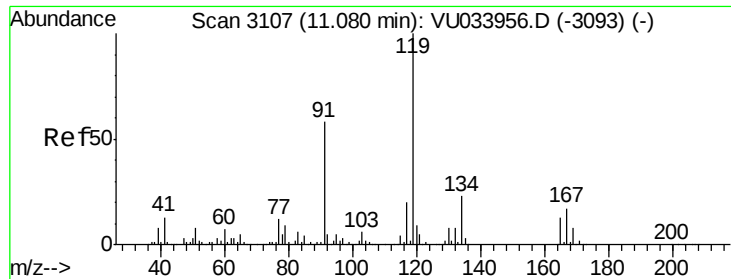
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#82
4-Chlorotoluene
Concen: 53.883 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.3





#83

tert-Butylbenzene

Concen: 56.606 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 874824

Ion Ratio Lower Upper

119 100

91 57.0 28.6 85.8

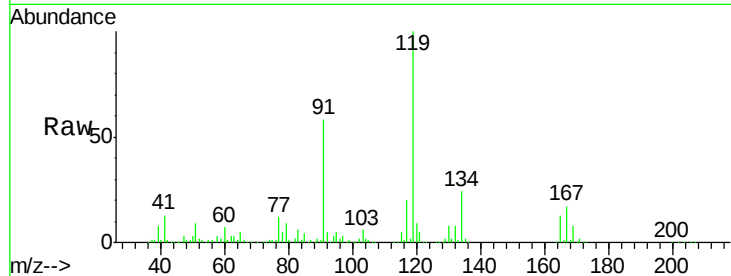
134 23.6 11.7 35.0

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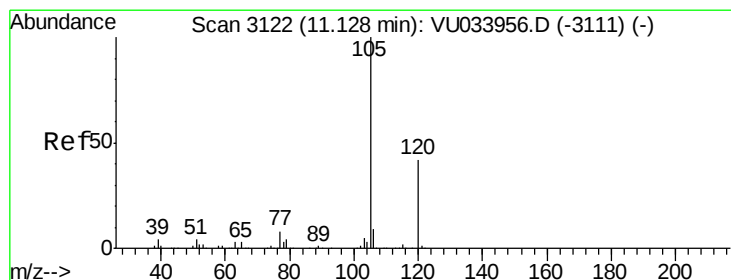
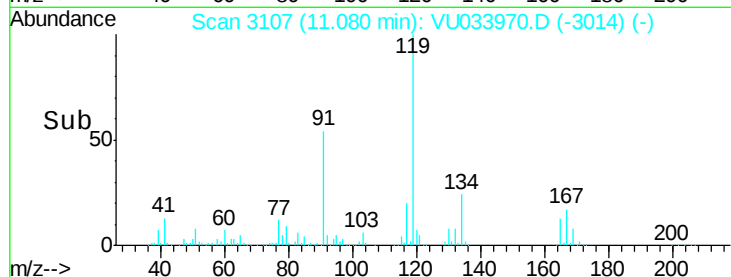
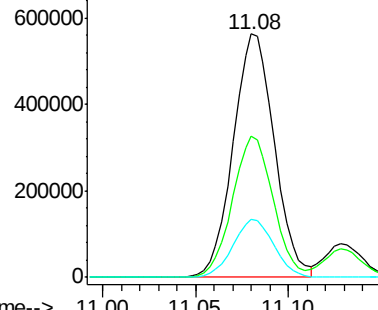
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 58.030 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. -0.00 min

Lab File: VU033970.D

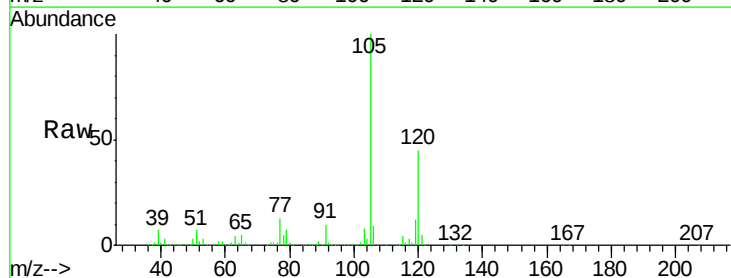
Acq: 27 Aug 2019 01:00

Tgt Ion:105 Resp: 933803

Ion Ratio Lower Upper

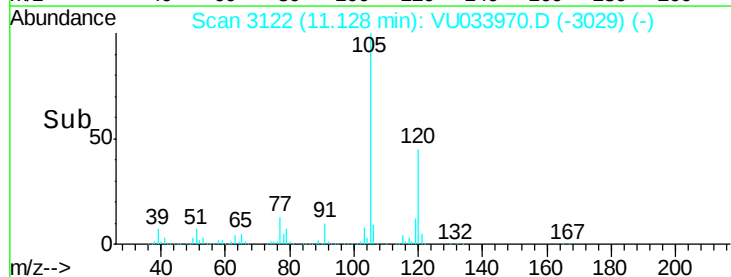
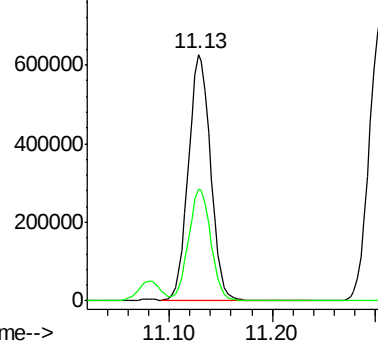
105 100

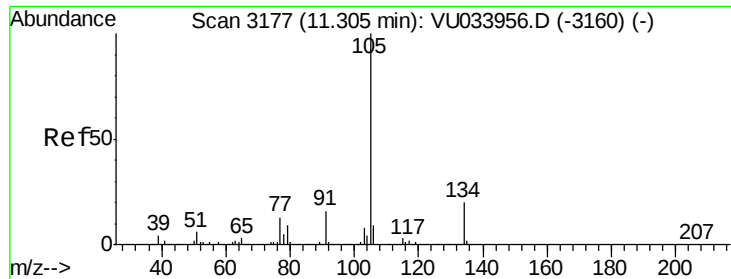
120 45.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.958 ug/l

RT: 11.30 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1084868

Ion Ratio Lower Upper

105 100

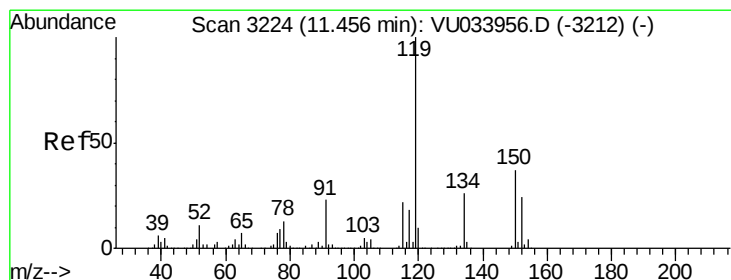
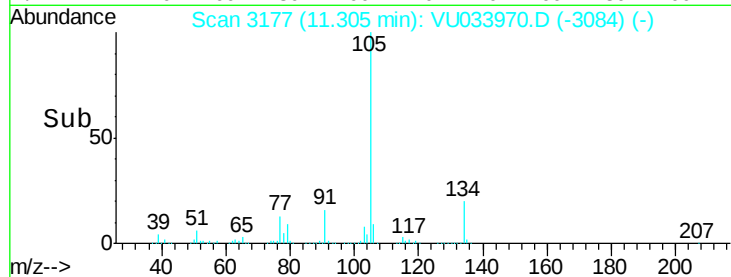
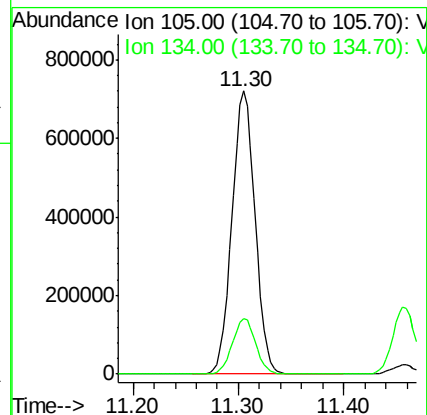
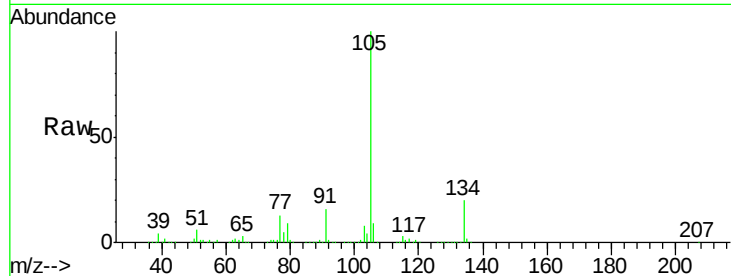
134 19.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 56.194 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

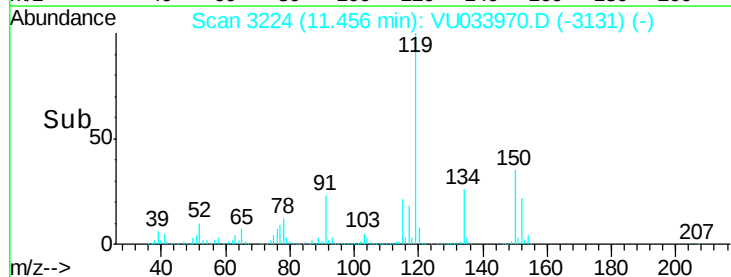
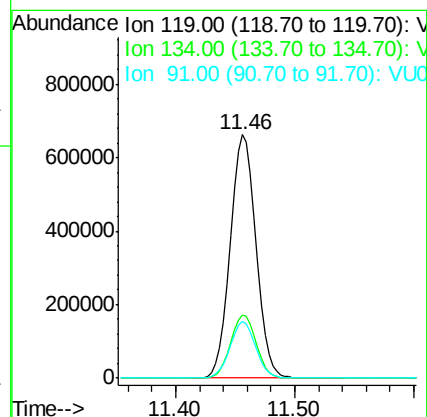
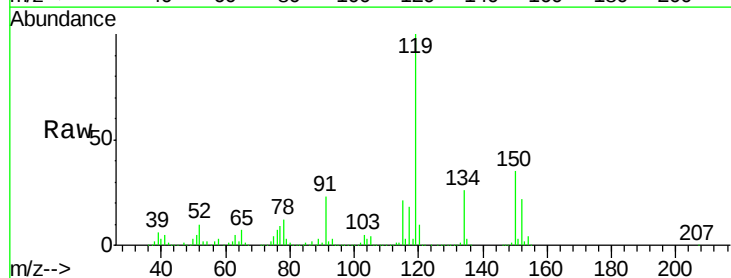
Tgt Ion:119 Resp: 987737

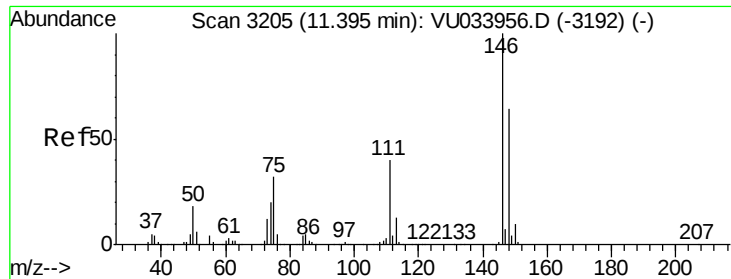
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.1 11.6 34.7





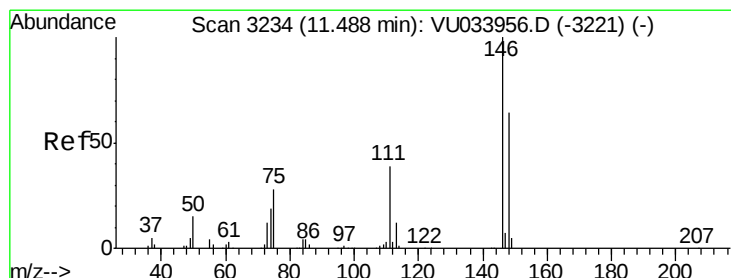
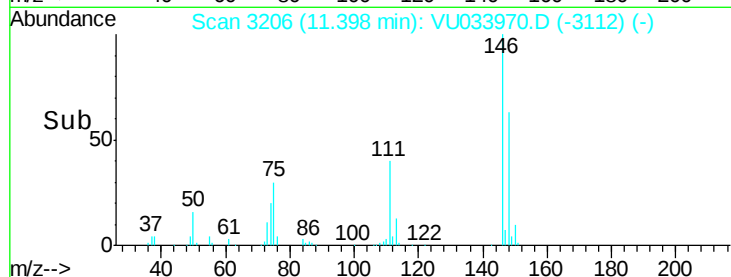
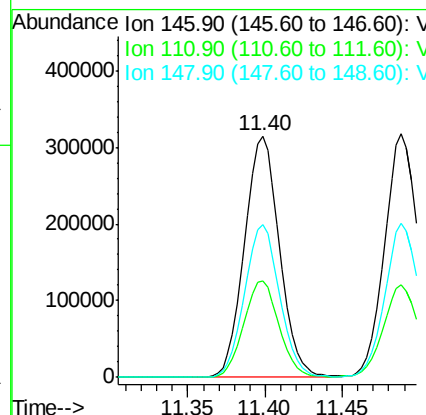
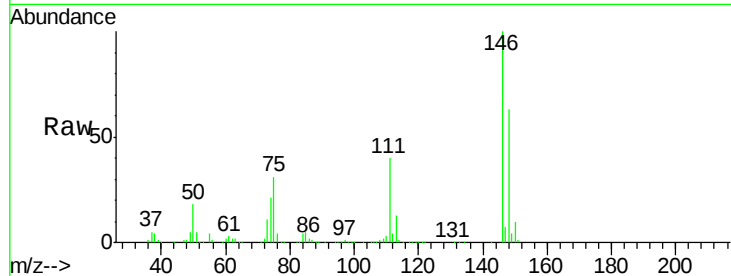
#87
 1,3-Dichlorobenzene
 Concen: 50.723 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.3	31.8	95.4

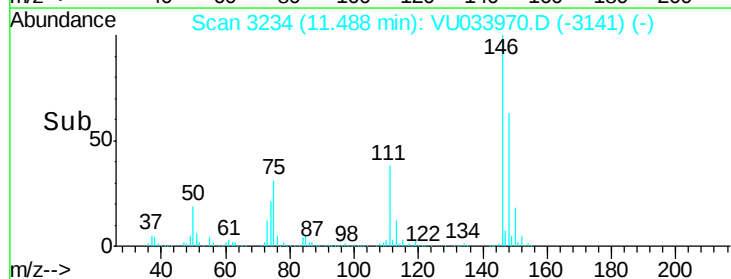
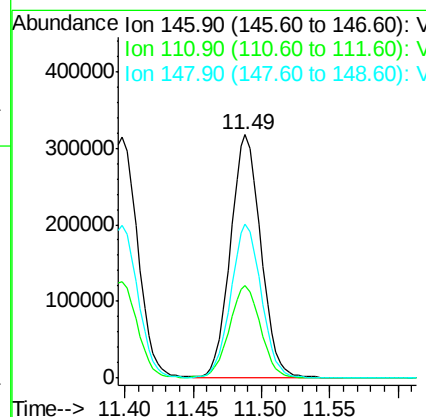
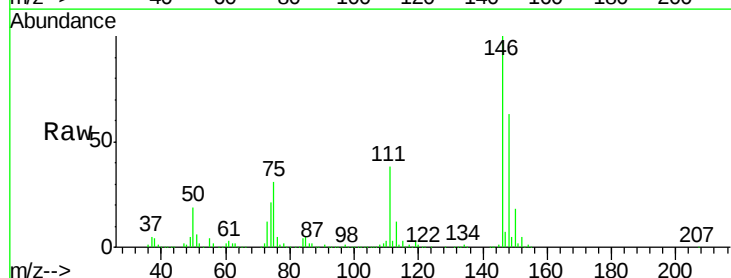
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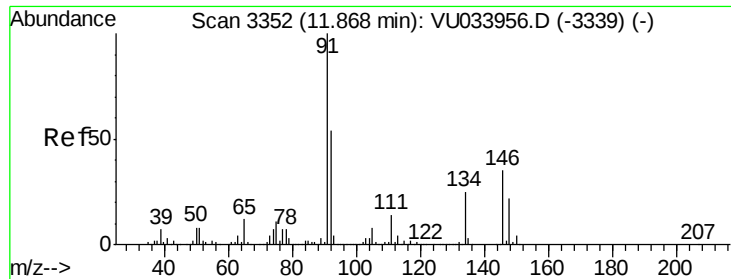
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#88
 1,4-Dichlorobenzene
 Concen: 48.584 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.7	32.2	96.6





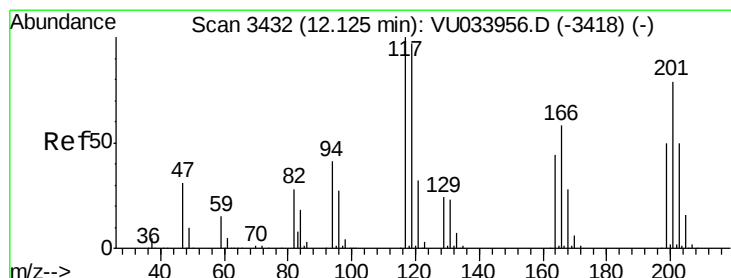
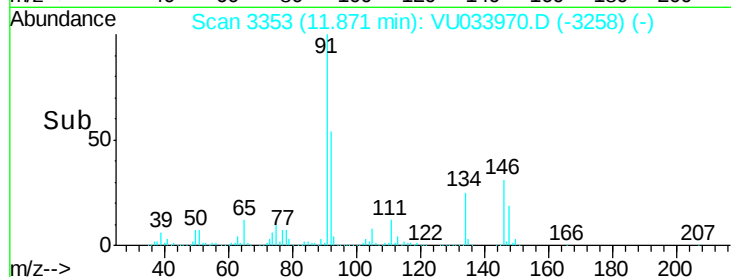
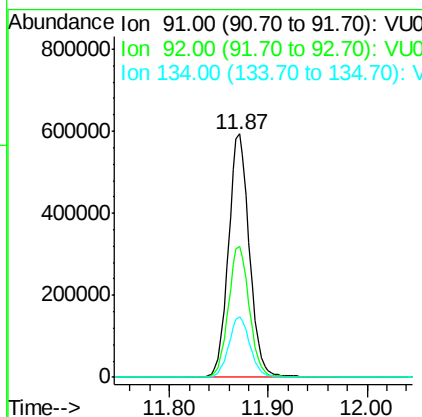
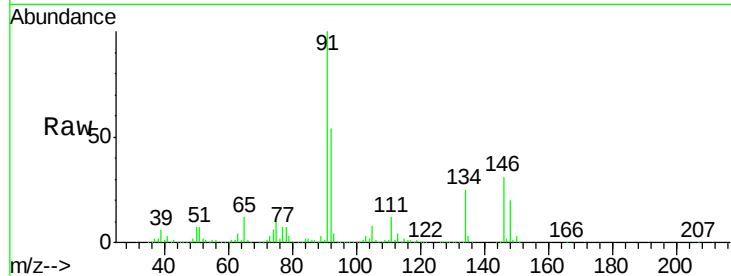
#89
n-Butylbenzene
Concen: 47.745 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.9	80.6
134	25.1	12.6	37.6

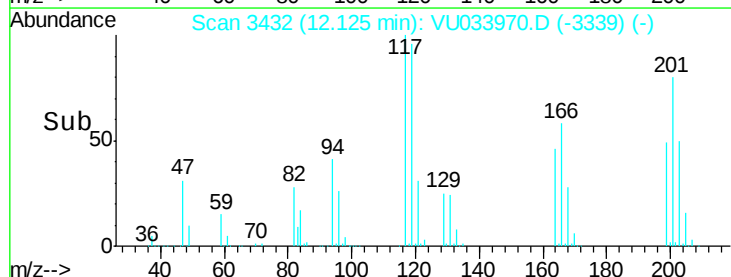
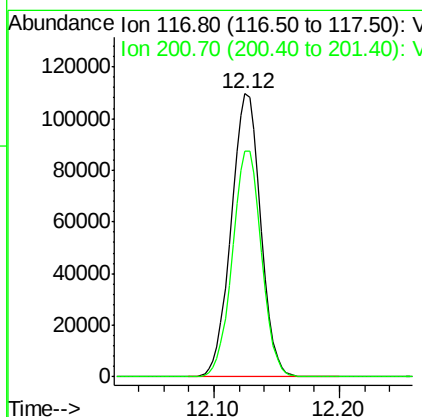
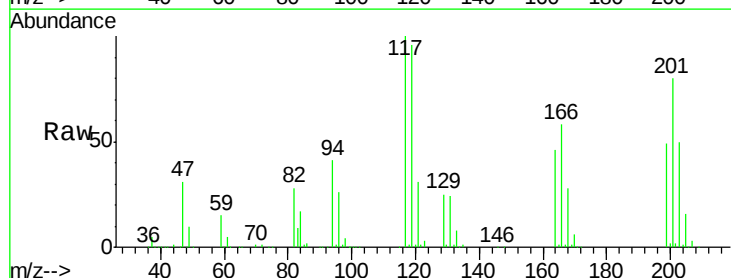
Manual Integrations
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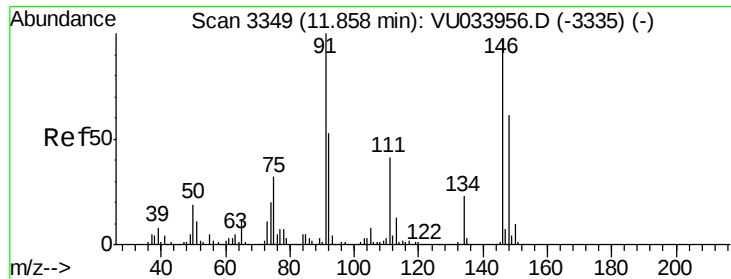
MMDadoda
8/27/2019 12:16:30 PM



#90
Hexachloroethane
Concen: 51.918 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU033970.D
Acq: 27 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 52.183 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

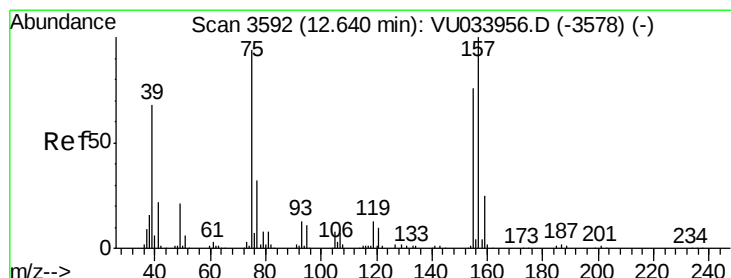
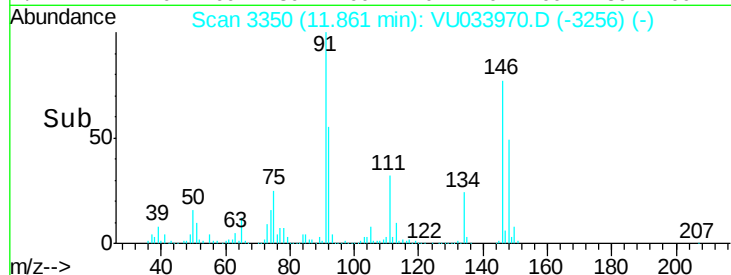
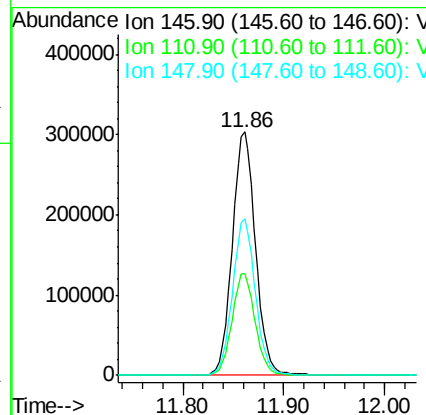
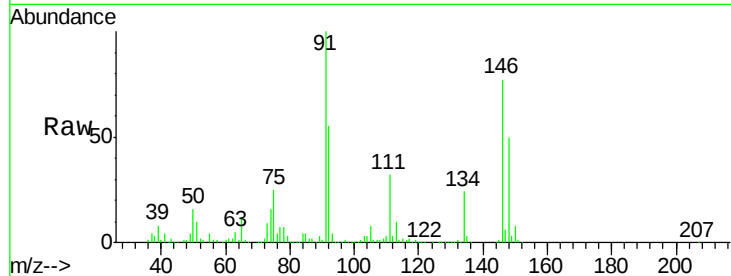
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	488171
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.1	63.1
148	63.3	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.954 ug/l

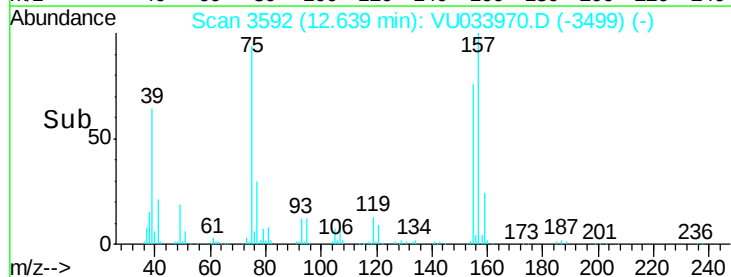
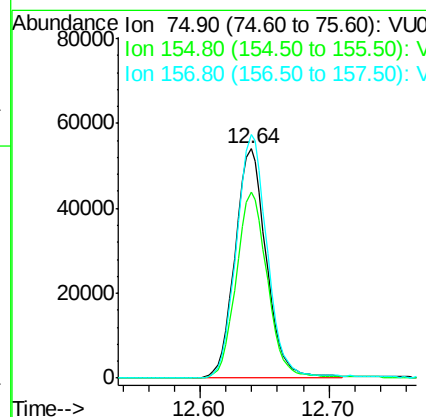
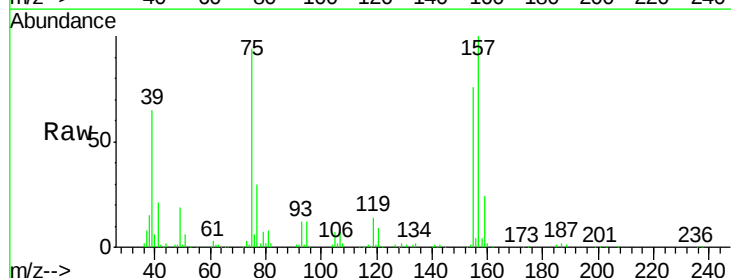
RT: 12.64 min Scan# 3592

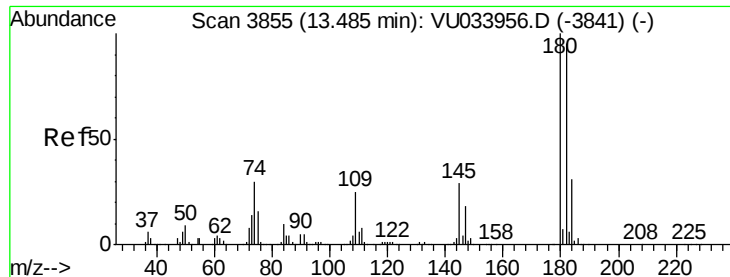
Delta R.T. -0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Tgt Ion:	75	Resp:	91611
Ion Ratio	Lower	Upper	
75	100		
155	80.4	40.0	119.9
157	105.2	51.9	155.7





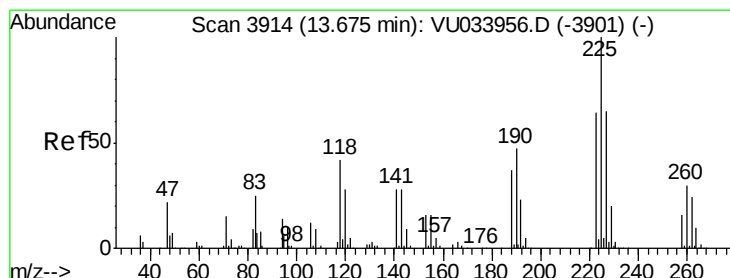
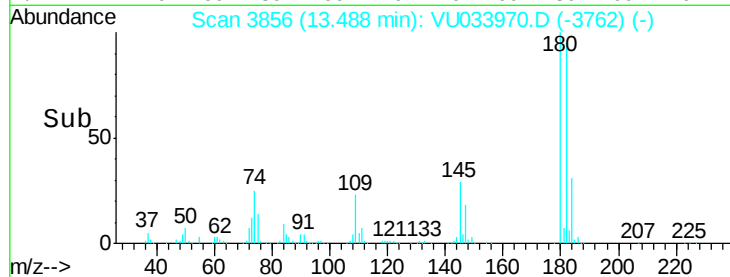
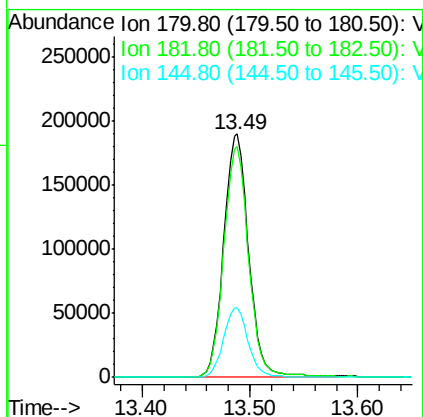
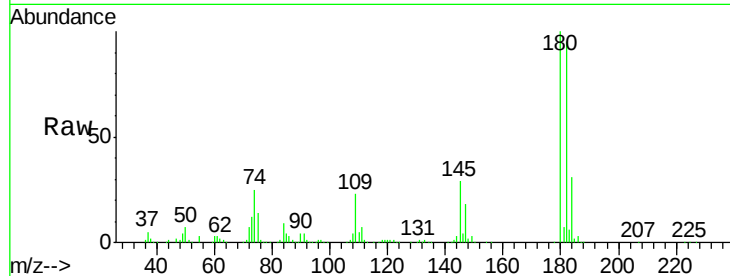
#93
 1,2,4-Trichlorobenzene
 Concen: 45.926 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	307309
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.3
145	28.1	14.2	42.8

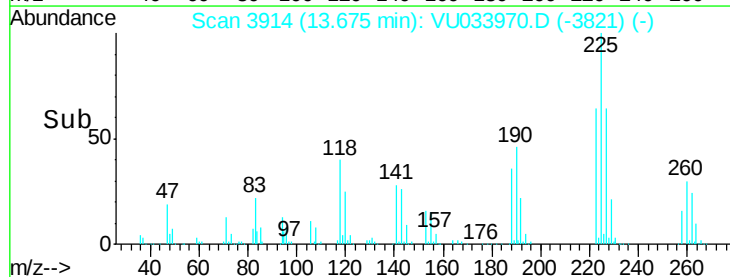
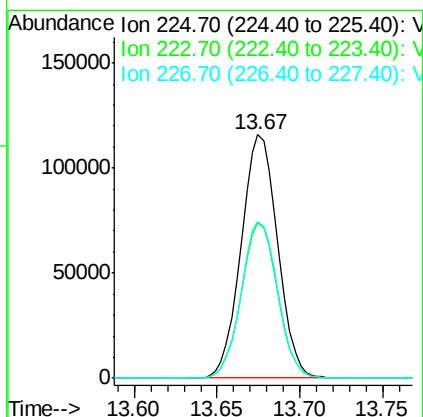
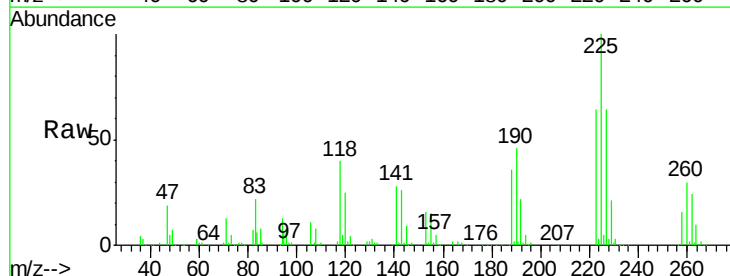
Manual Integrations
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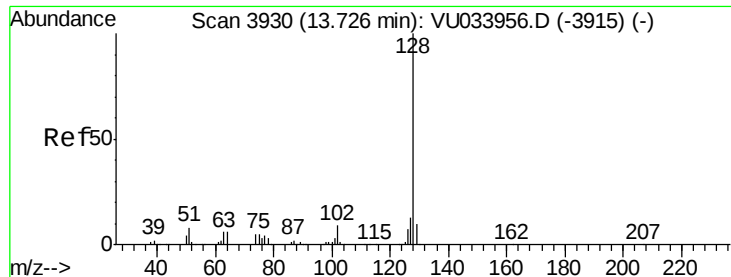
MMDadoda
 8/27/2019 12:16:30 PM



#94
 Hexachlorobutadiene
 Concen: 50.628 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033970.D
 Acq: 27 Aug 2019 01:00

Tgt Ion:	225	Resp:	177008
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.4	94.0
227	64.5	32.3	96.8





#95

Naphthalene

Concen: 47.807 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Instrument :

MSVOA_U

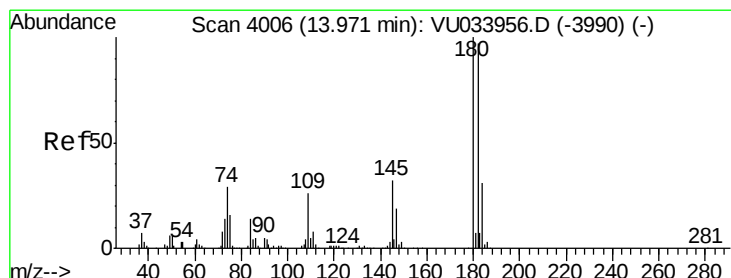
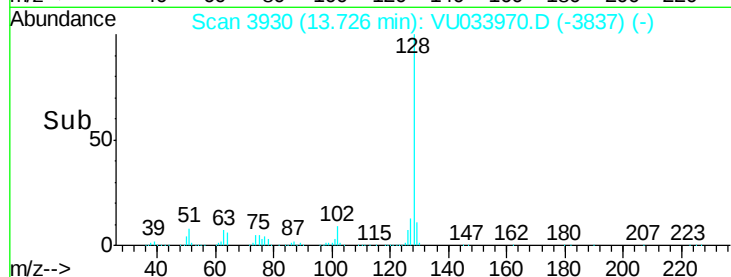
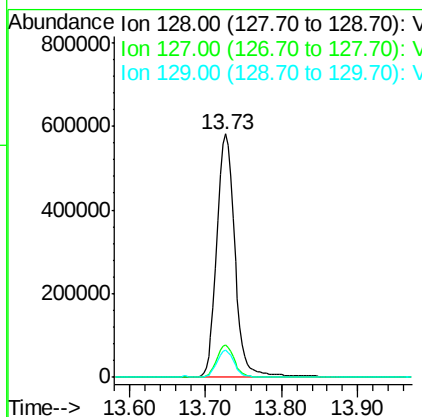
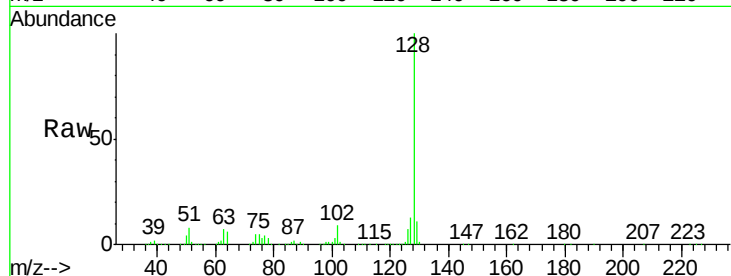
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	963773
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.6	8.3	12.5

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.682 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033970.D

Acq: 27 Aug 2019 01:00

Tgt Ion:	180	Resp:	327587
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.6	145.8
145	30.4	15.7	47.0

