

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082819\
 Data File : VU033994.D
 Acq On : 27 Aug 2019 23:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:12 AM

Quant Time: Aug 28 05:06:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	385377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	620001	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	590092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	306383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	273348	63.85	ug/l	0.00
Spiked Amount			Recovery	=	127.70%	
35) Dibromofluoromethane	4.86	113	220469	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
50) Toluene-d8	7.55	98	716372	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	10.29	95	295737	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	219719	56.684	ug/l	99
3) Chloromethane	1.32	50	283196	67.143	ug/l	98
4) Vinyl Chloride	1.40	62	263740	68.154	ug/l	99
5) Bromomethane	1.61	94	120672	51.307	ug/l	100
6) Chloroethane	1.68	64	137660	59.748	ug/l	98
7) Trichlorofluoromethane	1.87	101	277729	54.545	ug/l	99
8) Diethyl Ether	2.09	74	114077	59.065	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.27	101	184011	56.587	ug/l	95
10) Methyl Iodide	2.40	142	279693	57.434	ug/l	96
11) Tert butyl alcohol	2.83	59	300709	271.168	ug/l	99
12) 1,1-Dichloroethene	2.27	96	191907	56.542	ug/l	92
13) Acrolein	2.18	56	109018	309.560	ug/l	99
14) Allyl chloride	2.58	41	392034	65.235	ug/l	95
15) Acrylonitrile	2.92	53	712491	317.824	ug/l	99
16) Acetone	2.31	43	610157	297.735	ug/l	97
17) Carbon Disulfide	2.46	76	636094	57.072	ug/l	99
18) Methyl Acetate	2.60	43	342188	67.793	ug/l	95
19) Methyl tert-butyl Ether	2.98	73	699988	61.393	ug/l	98
20) Methylene Chloride	2.68	84	240432	55.299	ug/l	91
21) trans-1,2-Dichloroethene	2.96	96	218336	56.420	ug/l	92
22) Diisopropyl ether	3.55	45	765939	69.368	ug/l	96
23) Vinyl Acetate	3.50	43	3333422	355.357	ug/l	96
24) 1,1-Dichloroethane	3.42	63	428180	61.938	ug/l	98
25) 2-Butanone	4.24	43	981731	334.193	ug/l	94
26) 2,2-Dichloropropane	4.20	77	286078	48.942	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	245894	56.763	ug/l	94
28) Bromochloromethane	4.52	49	216137	67.953	ug/l	83
29) Tetrahydrofuran	4.61	42	636837	346.597	ug/l	92
30) Chloroform	4.65	83	413583	58.425	ug/l	99
31) Cyclohexane	4.97	56	391380	61.998	ug/l	93
32) 1,1,1-Trichloroethane	4.89	97	348300	58.446	ug/l	97
36) 1,1-Dichloropropene	5.11	75	310540	54.686	ug/l	97
37) Ethyl Acetate	4.36	43	364487	63.993	ug/l	97
38) Carbon Tetrachloride	5.11	117	298764	51.625	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	322319	47.968	ug/l	98
40) Benzene	5.37	78	927489	54.934	ug/l	100
41) Methacrylonitrile	4.52	41	193280	65.487	ug/l	95
42) 1,2-Dichloroethane	5.38	62	329001	57.625	ug/l	98
43) Isopropyl Acetate	5.53	43	552603	63.277	ug/l	96
44) Trichloroethene	6.16	130	226433	47.035	ug/l	93
45) 1,2-Dichloropropane	6.41	63	233342	51.658	ug/l	97
46) Dibromomethane	6.54	93	155078	50.482	ug/l	94
47) Bromodichloromethane	6.74	83	295239	50.459	ug/l	98
48) Methyl methacrylate	6.60	41	250598	60.353	ug/l	93
49) 1,4-Dioxane	6.61	88	127138	1115.697	ug/l #	96
51) 4-Methyl-2-Pentanone	7.44	43	1407733	233.792	ug/l	99
52) Toluene	7.62	92	494185	46.419	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	331040	51.163	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	306991	43.891	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	228386	50.770	ug/l	98
56) Ethyl methacrylate	8.00	69	357151	50.343	ug/l	94
57) 1,3-Dichloropropane	8.22	76	387610	52.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	754167	283.637	ug/l	94
59) 2-Hexanone	8.35	43	1423569	307.585	ug/l	94
60) Dibromochloromethane	8.46	129	249969	49.414	ug/l	100
61) 1,2-Dibromoethane	8.57	107	241508	50.835	ug/l	99
64) Tetrachloroethene	8.21	164	190368	40.124	ug/l	97
65) Chlorobenzene	9.10	112	597679	49.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	221439	48.879	ug/l	99
67) Ethyl Benzene	9.23	91	1049360	51.795	ug/l	100
68) m/p-Xylenes	9.36	106	808486	103.473	ug/l	97
69) o-Xylene	9.76	106	379701	50.830	ug/l	95
70) Styrene	9.77	104	666975	52.168	ug/l	97
71) Bromoform	9.94	173	182844	45.593	ug/l #	100
73) Isopropylbenzene	10.15	105	1030456	52.258	ug/l	98
74) N-amyl acetate	10.00	43	496233	67.041	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.44	83	393409	55.393	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	338461m	55.443	ug/l	
77) Bromobenzene	10.43	156	261563	46.940	ug/l	90
78) n-propylbenzene	10.57	91	1216962	54.421	ug/l	97
79) 2-Chlorotoluene	10.64	91	717052	53.141	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	898517	53.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	116641m	54.726	ug/l	
82) 4-Chlorotoluene	10.75	91	832496	53.295	ug/l	97
83) tert-Butylbenzene	11.08	119	846347	51.627	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	907175	54.715	ug/l	98
85) sec-Butylbenzene	11.31	105	1027011	52.490	ug/l	99
86) p-Isopropyltoluene	11.46	119	947972	51.764	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	475380	48.091	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	474926	47.604	ug/l	98
89) n-Butylbenzene	11.87	91	862360	56.342	ug/l	98
90) Hexachloroethane	12.12	117	158763	52.413	ug/l	86
91) 1,2-Dichlorobenzene	11.86	146	476932	49.014	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	92543	65.052	ug/l	82

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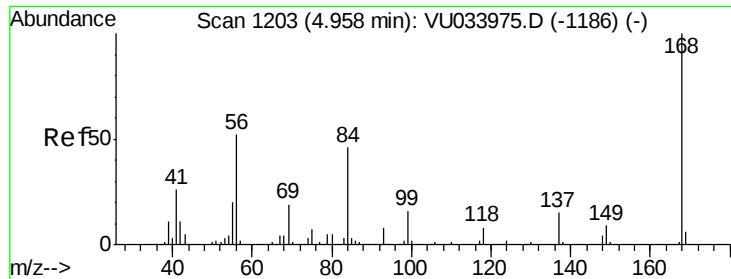
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	312059	45.751	ug/l	100
94) Hexachlorobutadiene	13.67	225	177535	44.505	ug/l	98
95) Naphthalene	13.73	128	957818	50.618	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	337466	54.275	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 385377

Ion Ratio Lower Upper

168 100

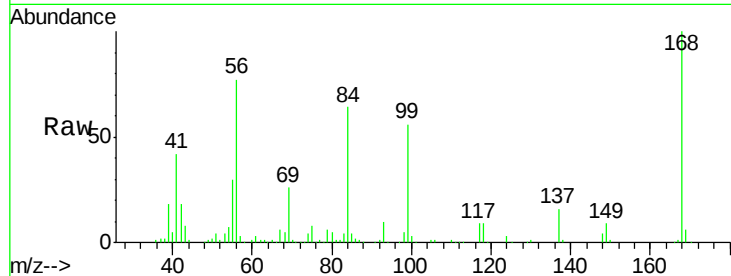
99 55.8 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033994.D (-1110) (-)

200000

150000

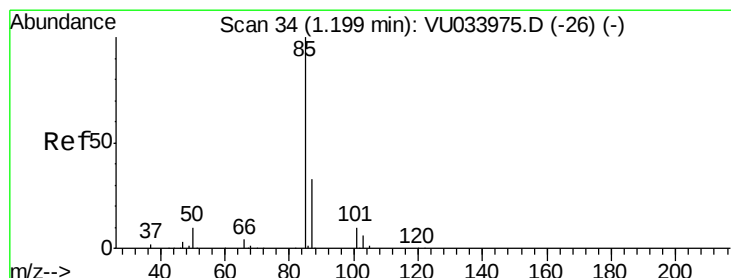
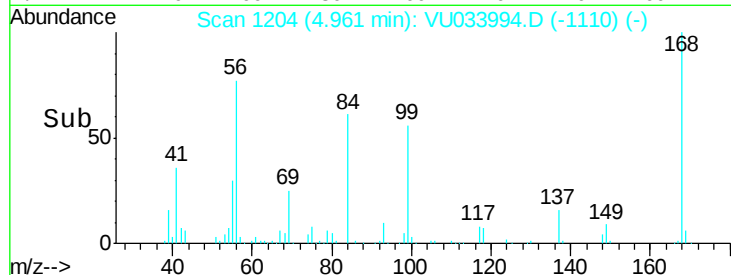
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.684 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033994.D

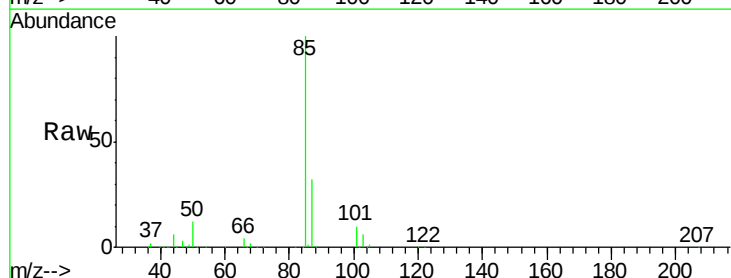
Acq: 27 Aug 2019 23:52

Tgt Ion: 85 Resp: 219719

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033975.D (-26) (-)

Ion 86.90 (86.60 to 87.60): VU033994.D (-1) (-)

250000

200000

150000

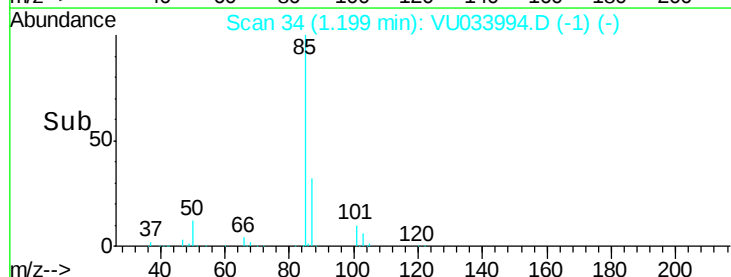
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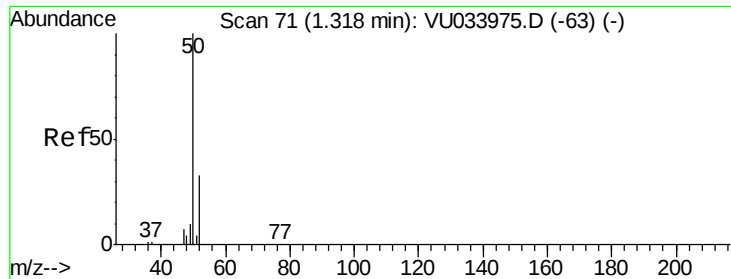
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 67.143 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 283196

Ion Ratio Lower Upper

50 100

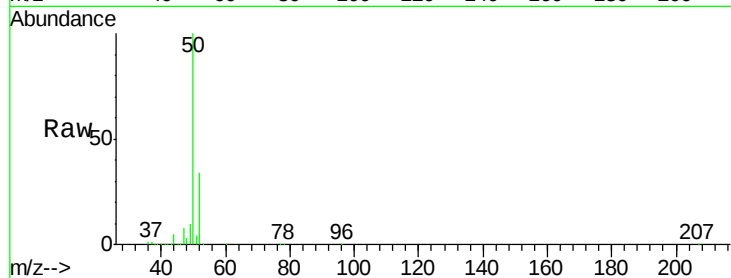
52 33.7 26.2 39.2

Manual Integrations

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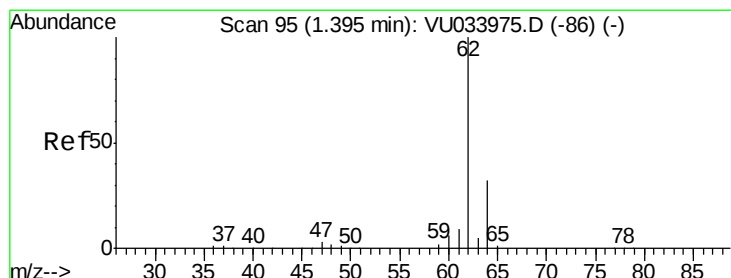
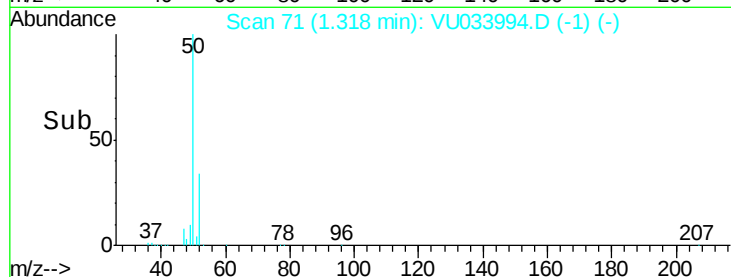
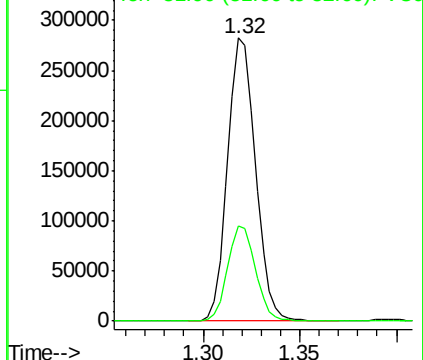
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 68.154 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033994.D

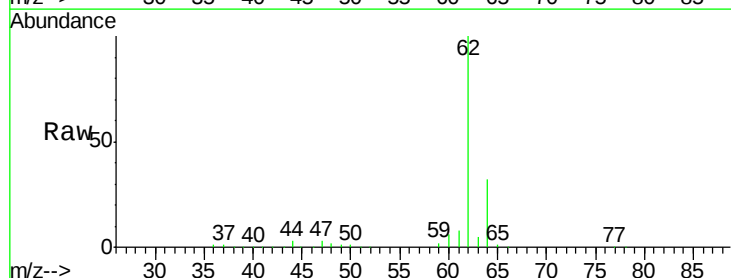
Acq: 27 Aug 2019 23:52

Tgt Ion: 62 Resp: 263740

Ion Ratio Lower Upper

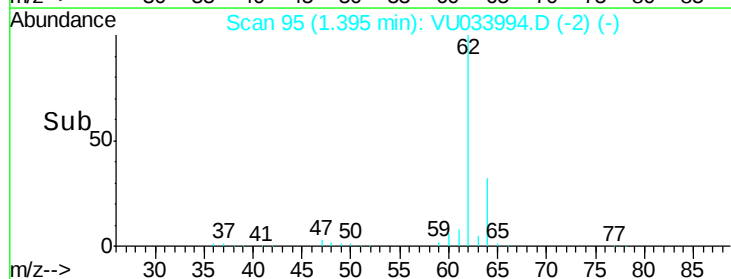
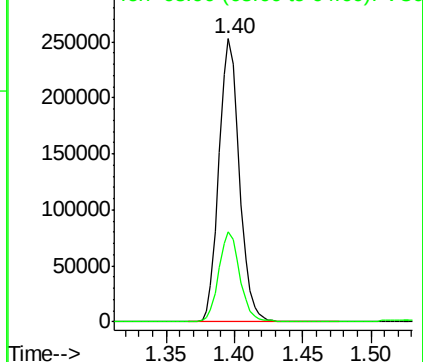
62 100

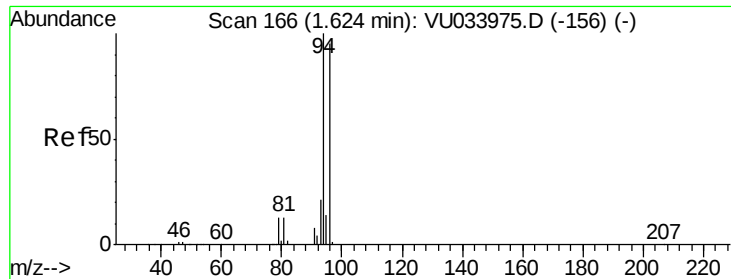
64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 51.307 ug/l

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 120672

Ion Ratio Lower Upper

94 100

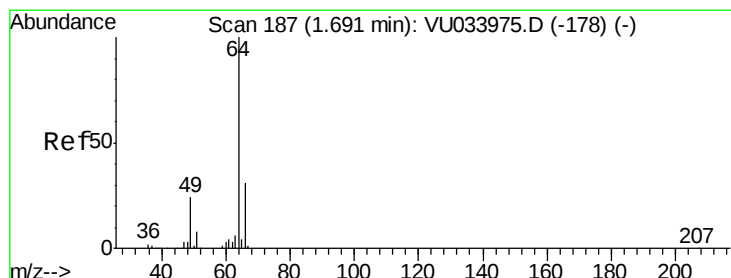
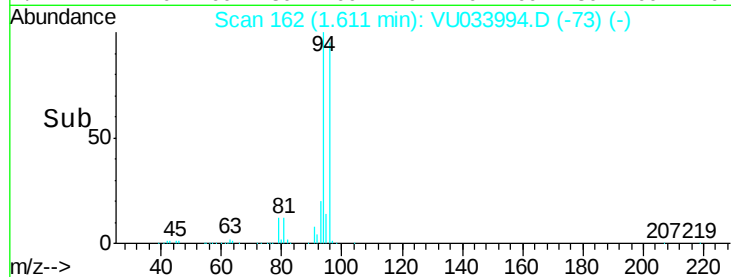
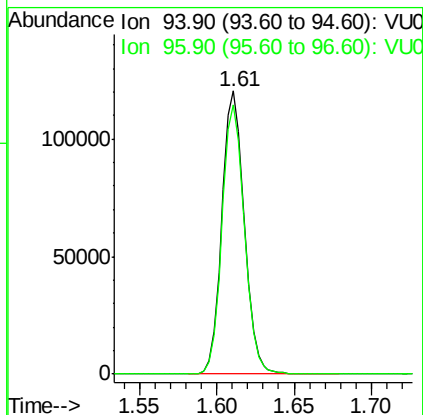
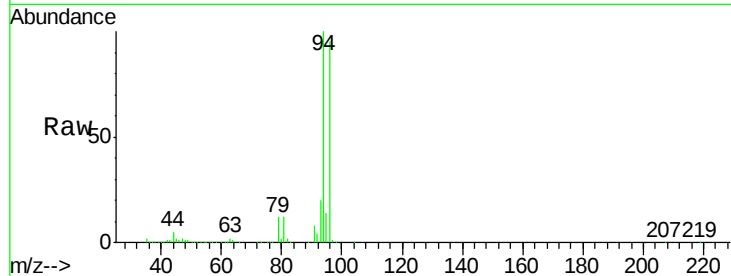
96 95.0 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 59.748 ug/l

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU033994.D

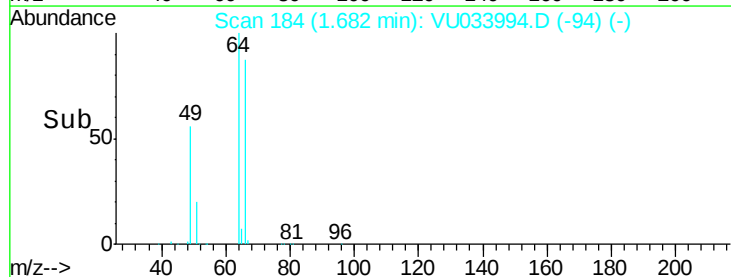
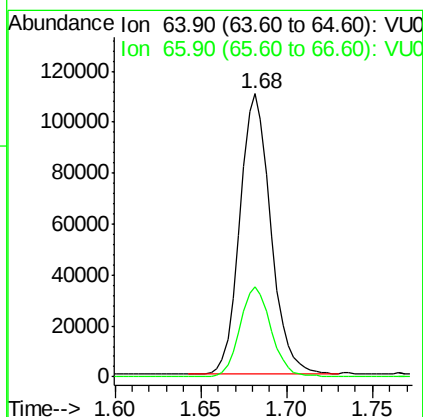
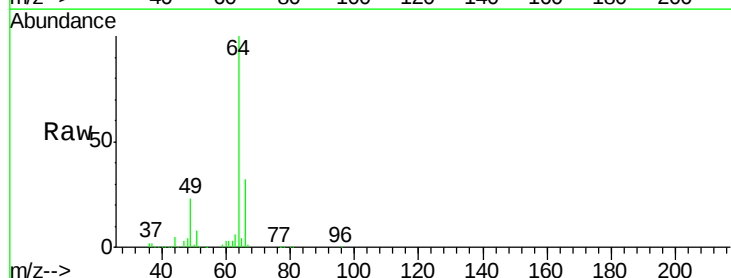
Acq: 27 Aug 2019 23:52

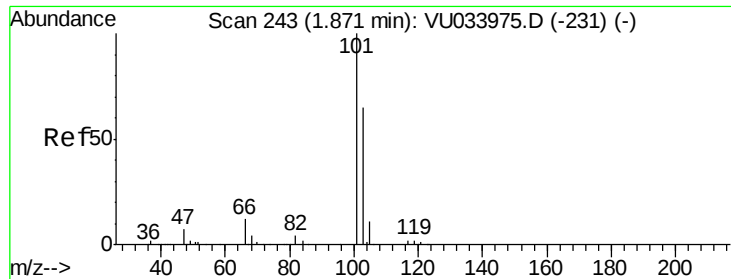
Tgt Ion: 64 Resp: 137660

Ion Ratio Lower Upper

64 100

66 32.3 24.9 37.3





#7

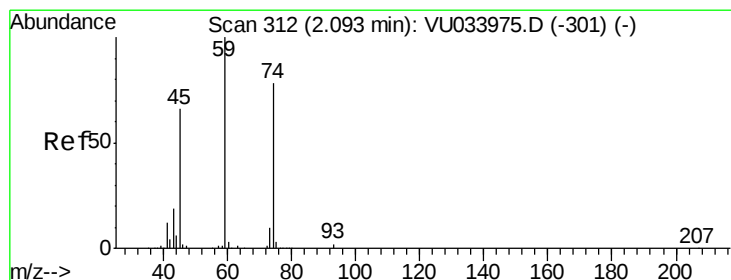
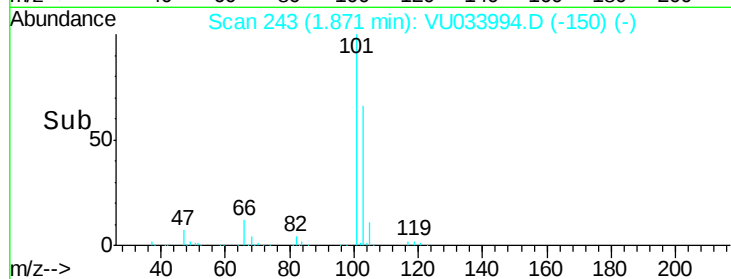
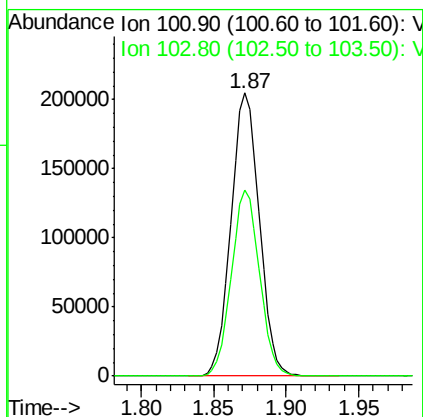
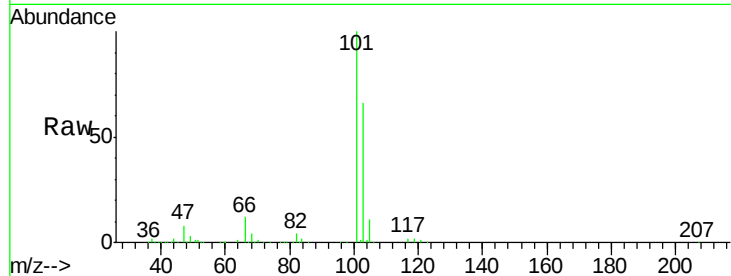
Trichlorofluoromethane
 Concen: 54.545 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.0	78.0

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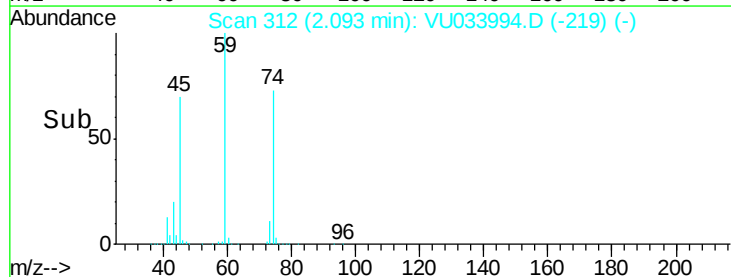
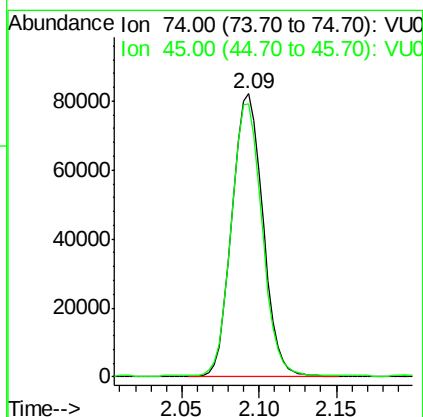
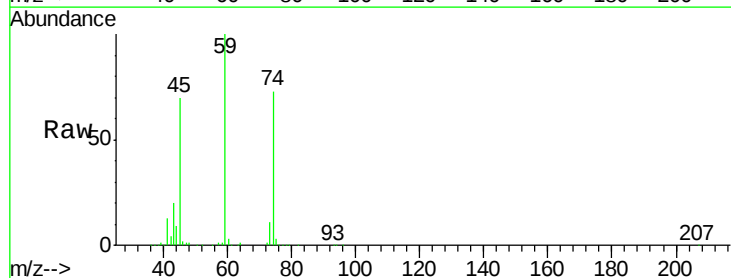
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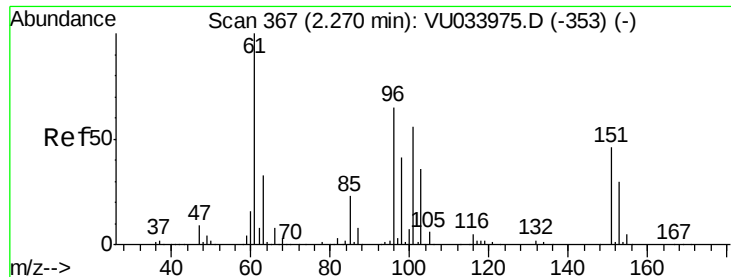


#8

Diethyl Ether
 Concen: 59.065 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	42.8	128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.587 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

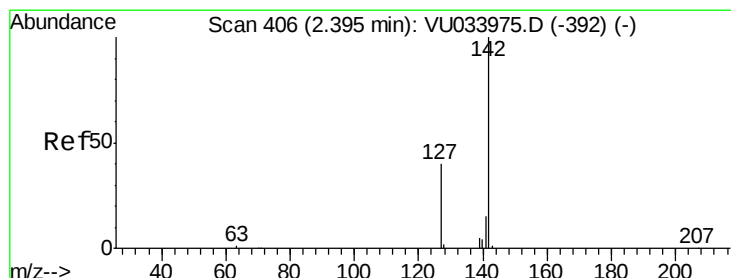
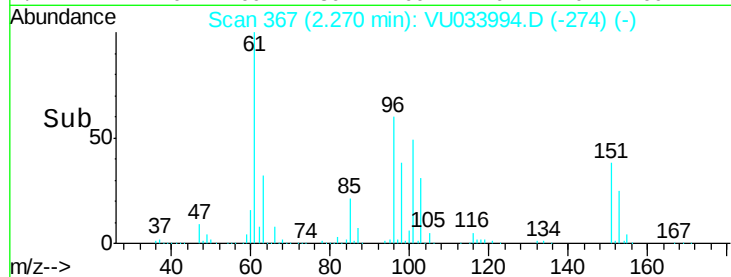
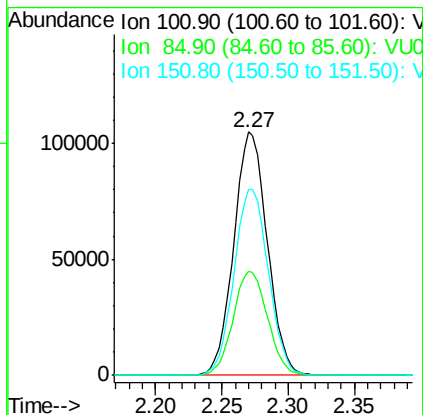
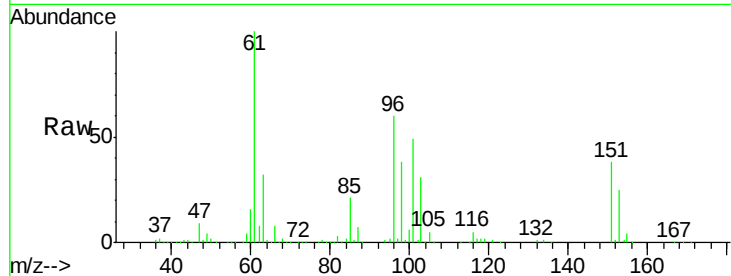
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	184011
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.4	50.0
151	78.7	67.6	101.4

Manual Integrations
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#10

Methyl Iodide

Concen: 57.434 ug/l

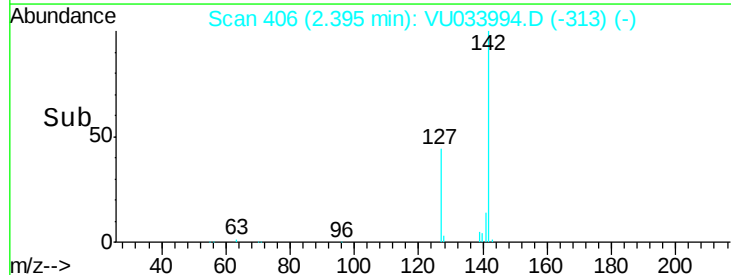
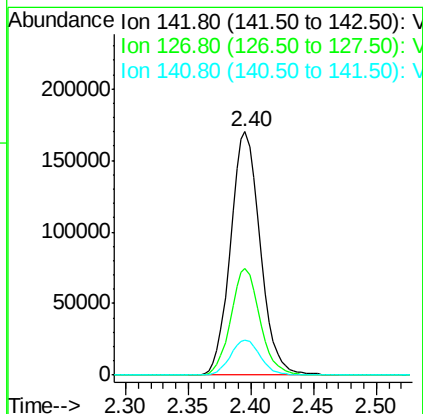
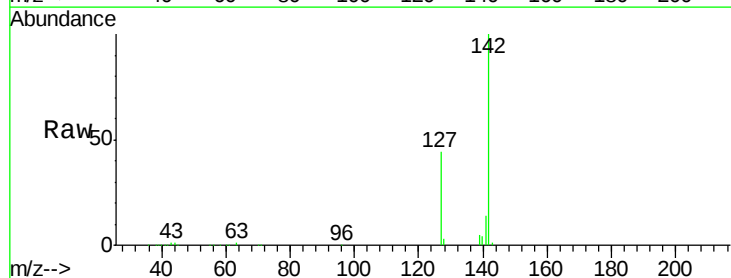
RT: 2.40 min Scan# 406

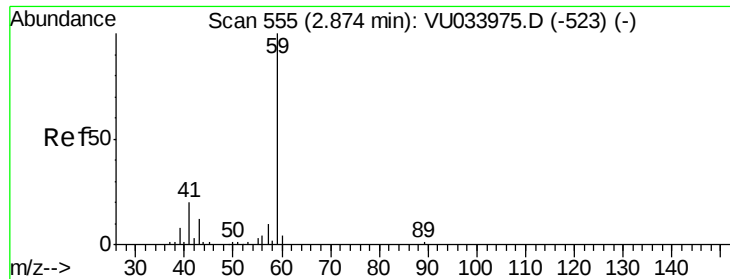
Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion:	142	Resp:	279693
Ion Ratio	Lower	Upper	
142	100		
127	43.2	32.2	48.2
141	14.5	11.8	17.8





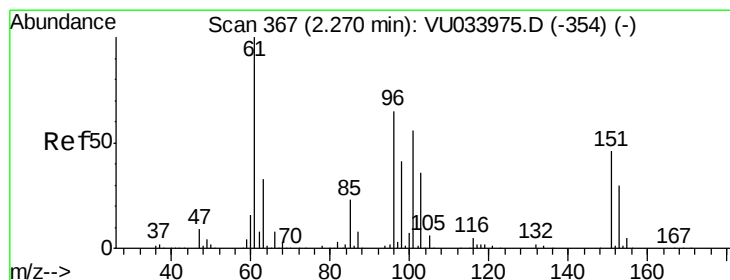
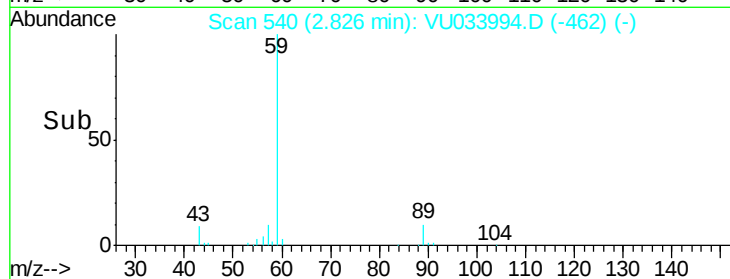
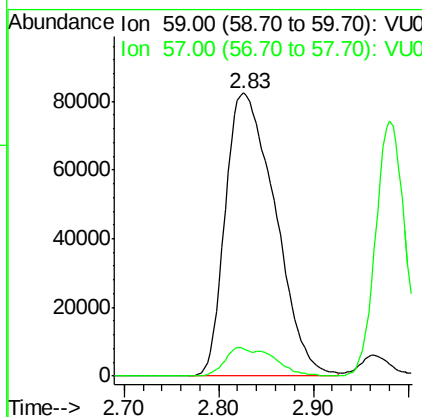
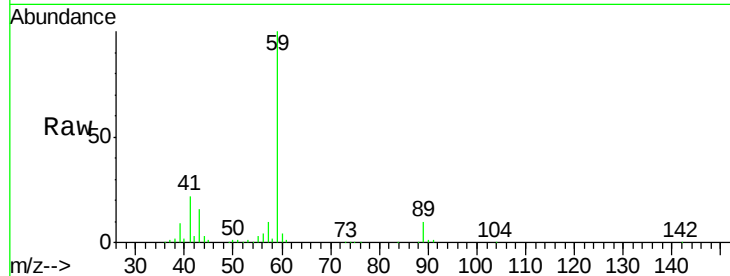
#11
Tert butyl alcohol
Concen: 271.168 ug/l
RT: 2.83 min Scan# 540
Delta R.T. -0.05 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	300709
Ion Ratio	100	Lower	Upper
57	5.3	3.9	5.9

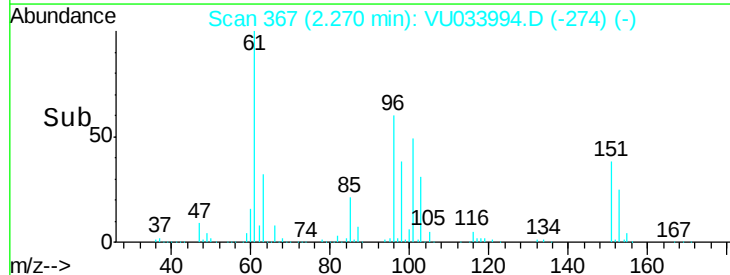
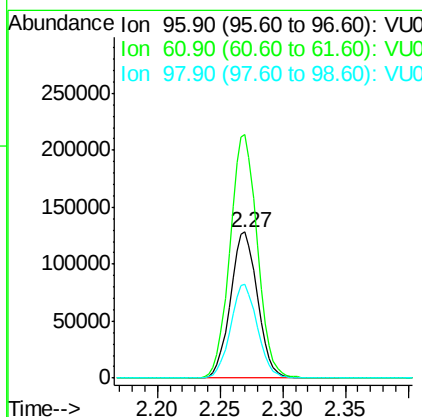
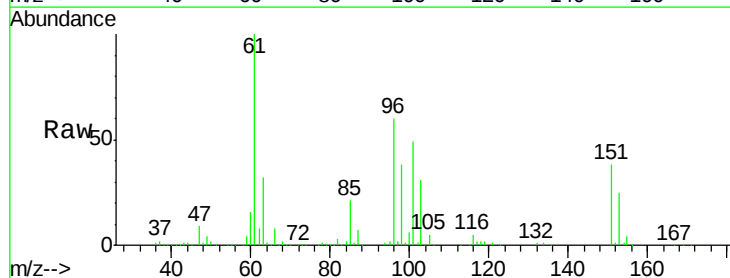
Manual Integrations
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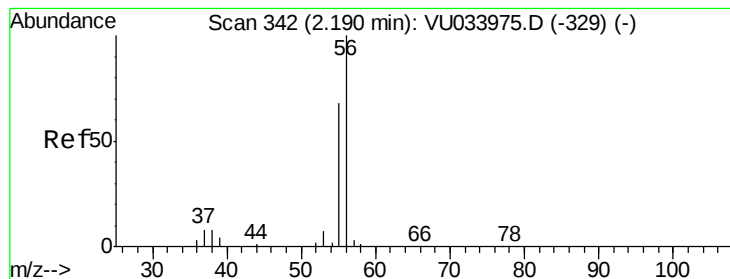
MMDadoda
8/28/2019 9:58:12 AM



#12
1,1-Dichloroethene
Concen: 56.542 ug/l
RT: 2.27 min Scan# 367
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	96	Resp	191907
Ion Ratio	100	Lower	Upper
61	167.1	123.3	184.9
98	64.1	50.5	75.7





#13

Acrolein

Concen: 309.560 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 109018

Ion Ratio Lower Upper

56 100

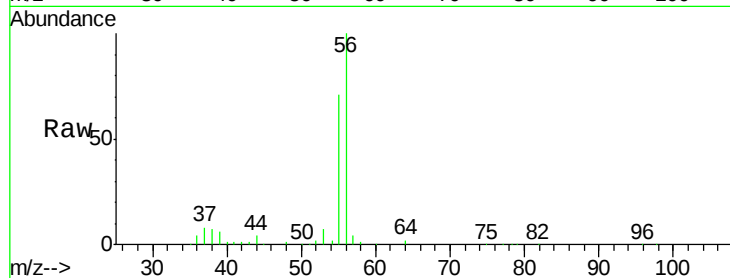
55 71.6 58.0 87.0

Manual Integrations

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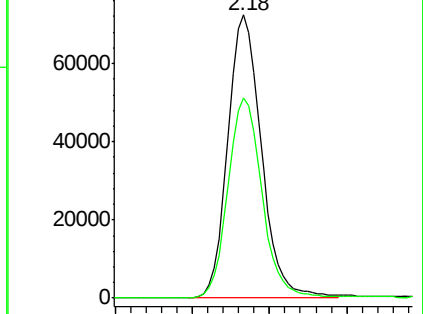
MMDadoda

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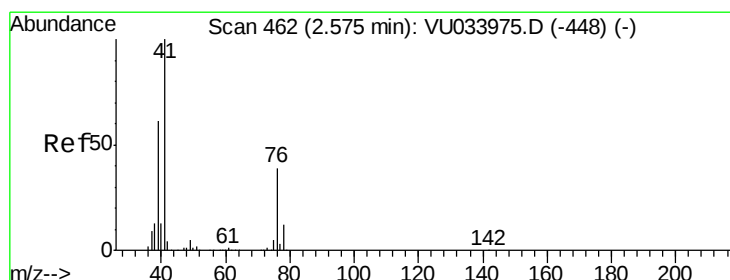
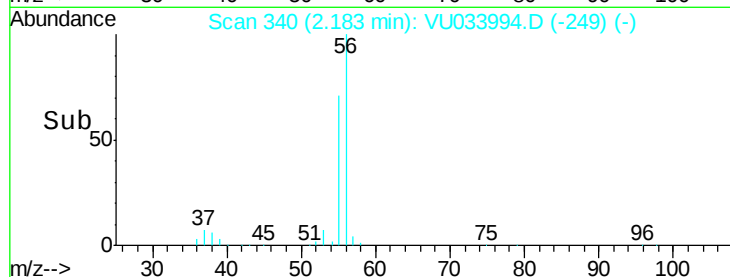


Abundance Ion 56.00 (55.70 to 56.70): VU033994.D (-249) (-)

Ion 55.00 (54.70 to 55.70): VU033994.D (-249) (-)



Time--> 2.10 2.15 2.20 2.25



#14

Allyl chloride

Concen: 65.235 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

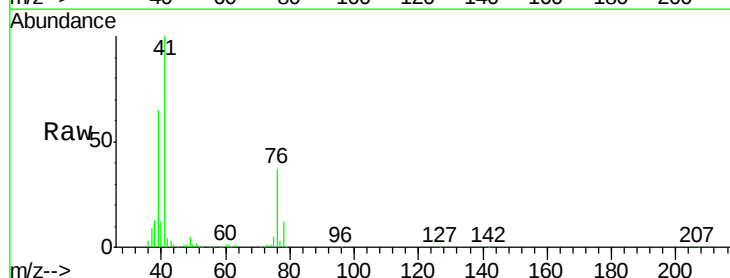
Tgt Ion: 41 Resp: 392034

Ion Ratio Lower Upper

41 100

39 59.7 45.9 68.9

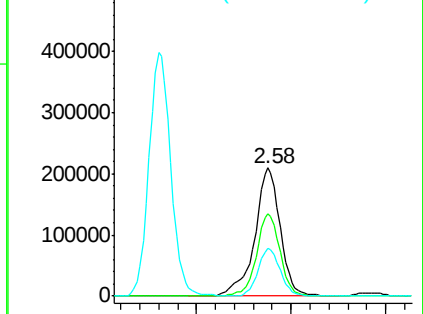
76 32.2 29.4 44.2



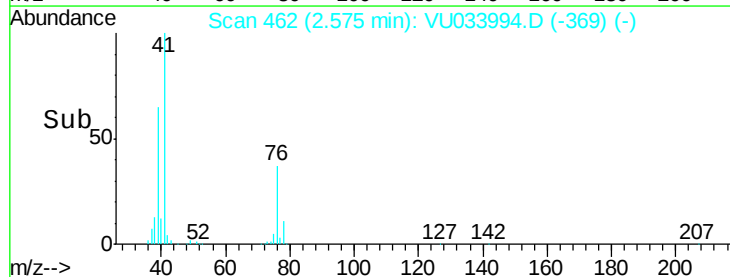
Abundance Ion 41.00 (40.70 to 41.70): VU033994.D (-369) (-)

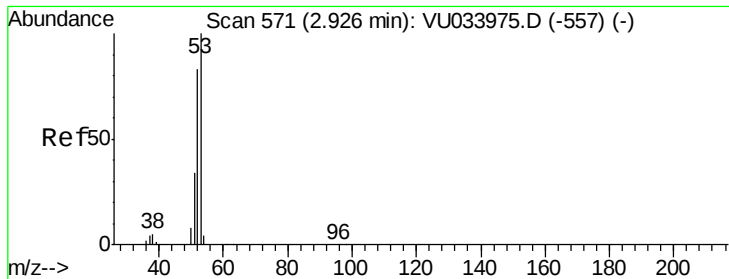
Ion 39.00 (38.70 to 39.70): VU033994.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU033994.D (-369) (-)



Time--> 2.50 2.60 2.70





#15

Acrylonitrile

Concen: 317.824 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.01 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

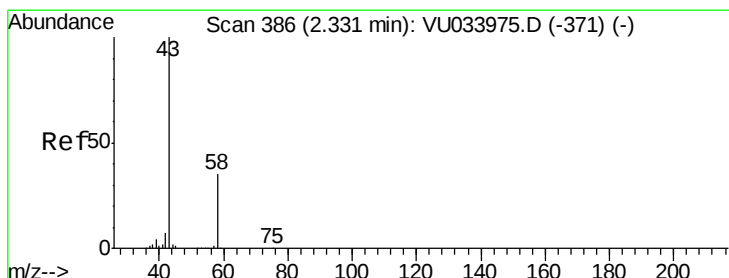
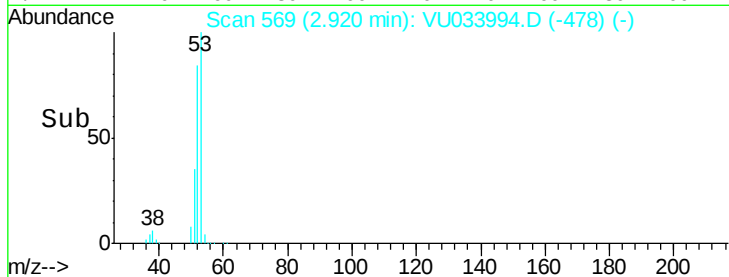
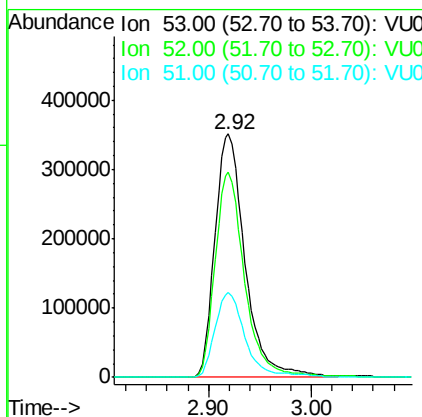
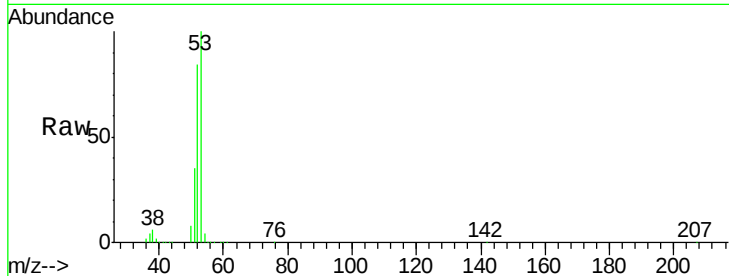
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	712491
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.7	100.1
51	35.1	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 297.735 ug/l

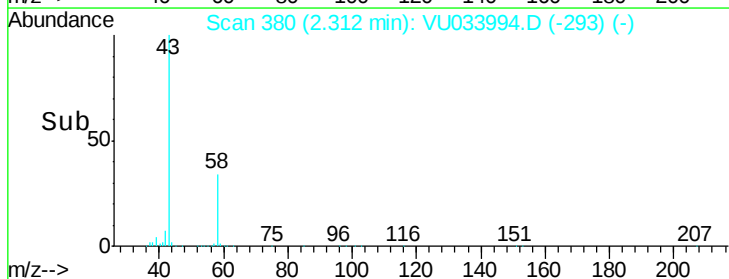
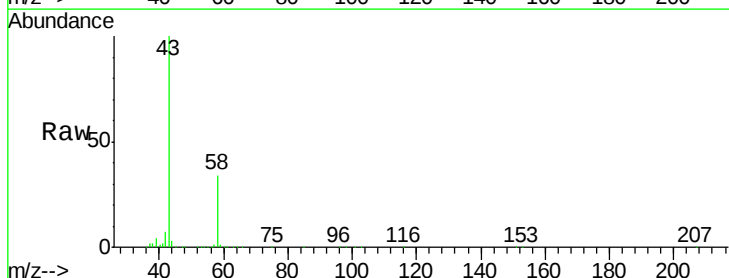
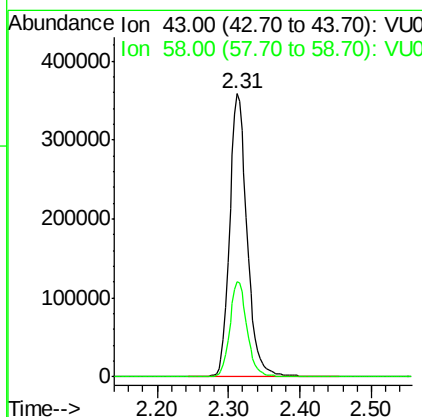
RT: 2.31 min Scan# 380

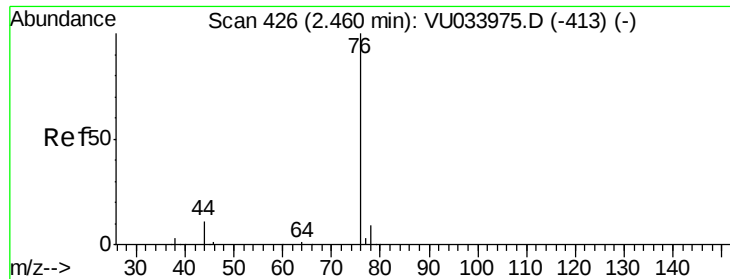
Delta R.T. -0.02 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion:	43	Resp:	610157
Ion	Ratio	Lower	Upper
43	100		
58	33.5	28.0	42.0





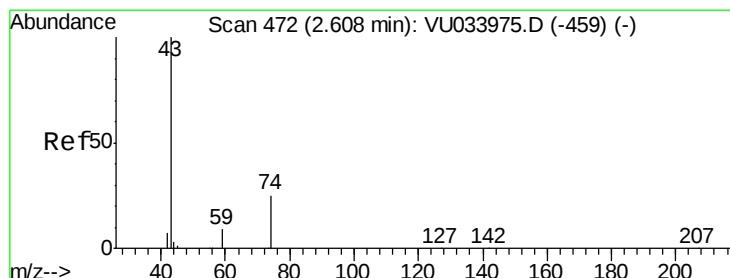
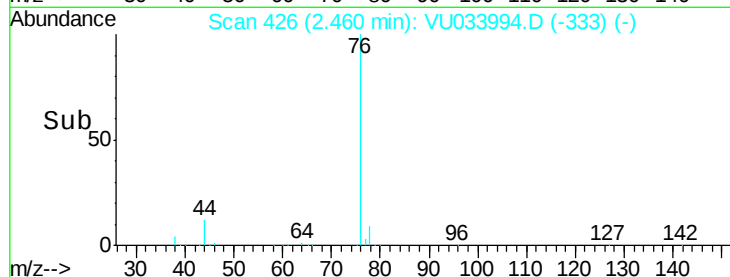
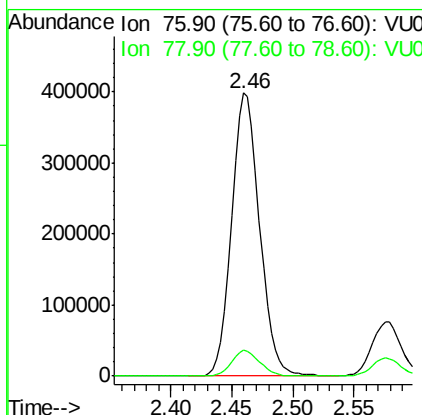
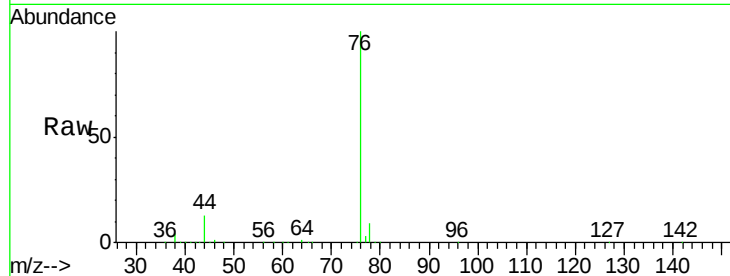
#17
Carbon Disulfide
Concen: 57.072 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

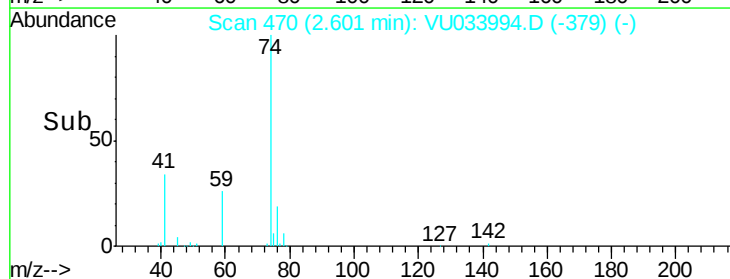
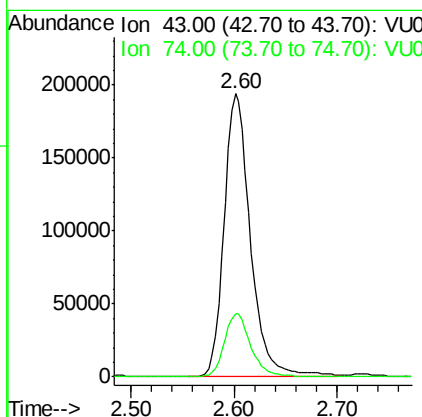
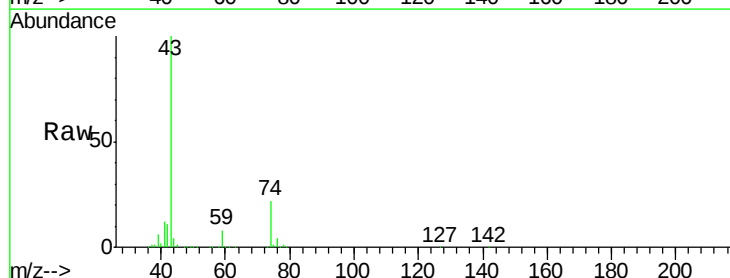
Manual Integrations
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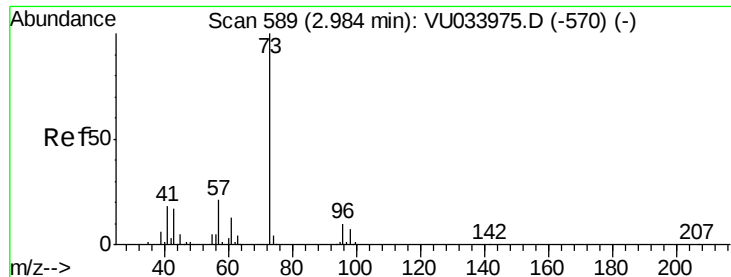
MMDadoda
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#18
Methyl Acetate
Concen: 67.793 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.01 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	20.5	30.7





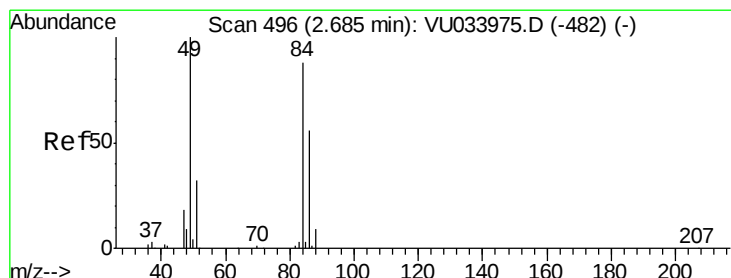
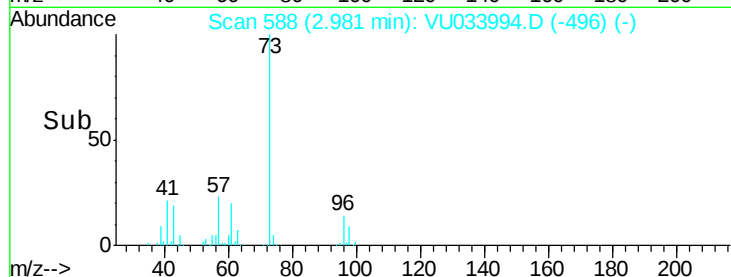
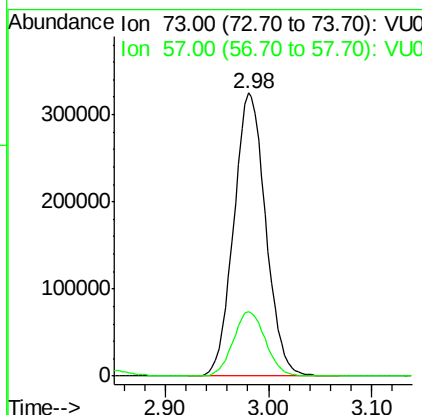
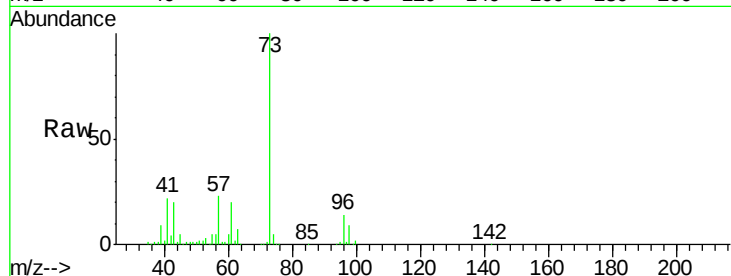
#19
Methvl tert-butvl Ether
Concen: 61.393 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.5	26.3

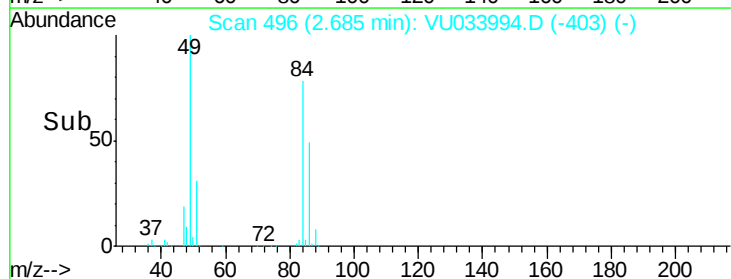
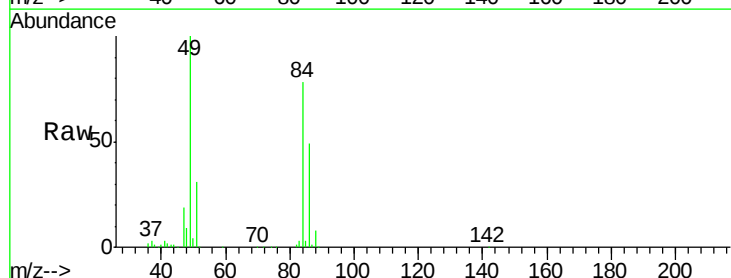
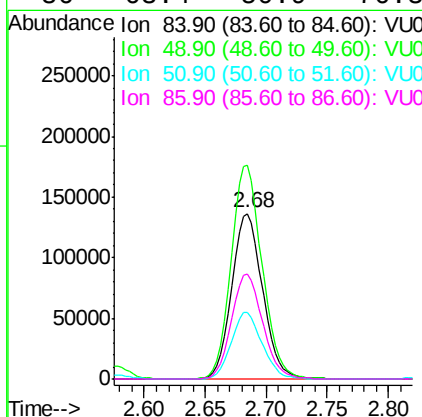
Manual Integrations
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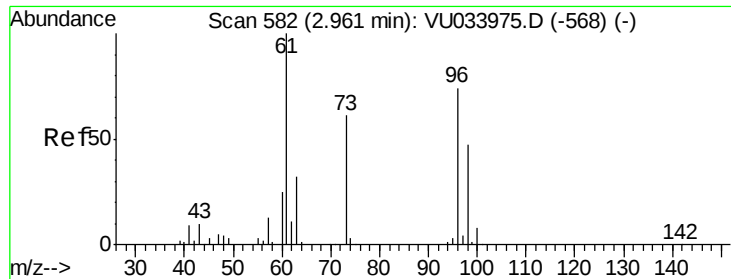
MMDadoda
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#20
Methylene Chloride
Concen: 55.299 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.9	91.3	136.9
51	40.0	28.9	43.3
86	63.4	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 56.420 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 218336

Ion Ratio Lower Upper

96 100

61 148.4 108.2 162.2

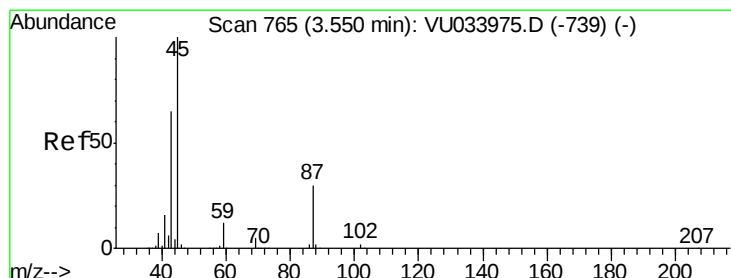
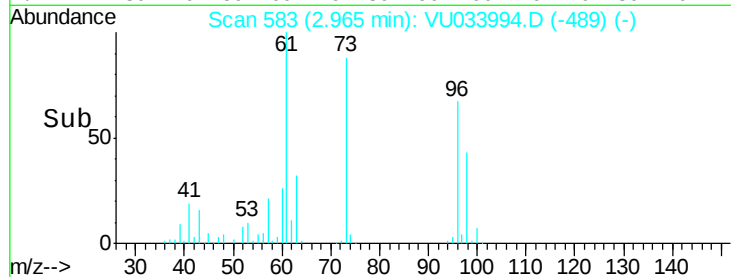
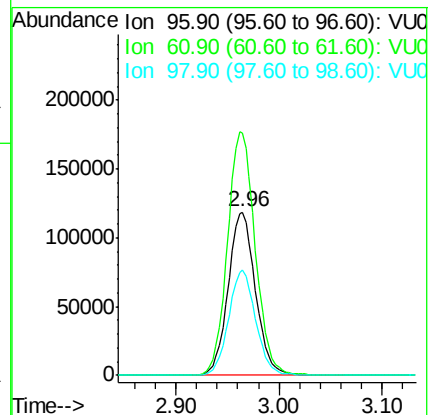
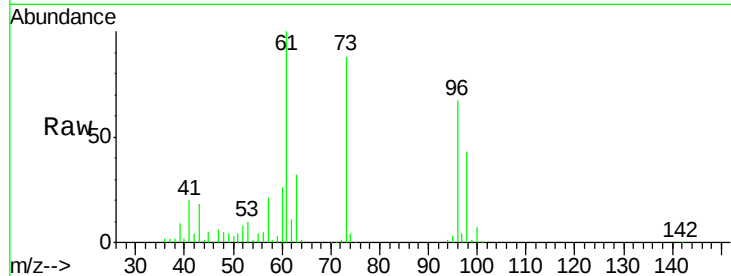
98 64.2 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 69.368 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion: 45 Resp: 765939

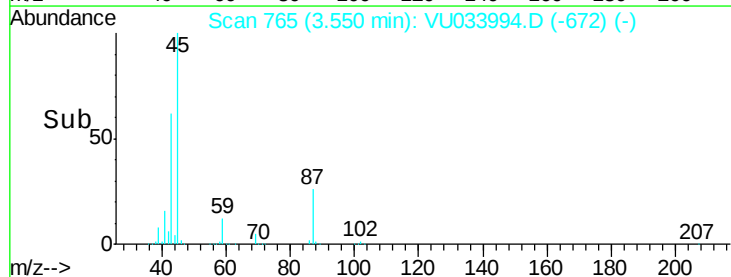
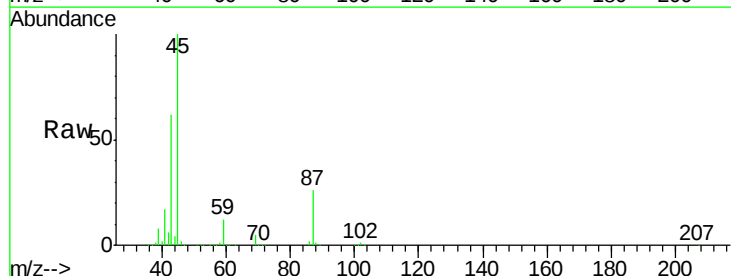
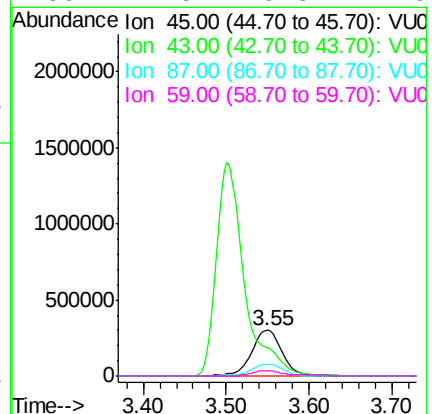
Ion Ratio Lower Upper

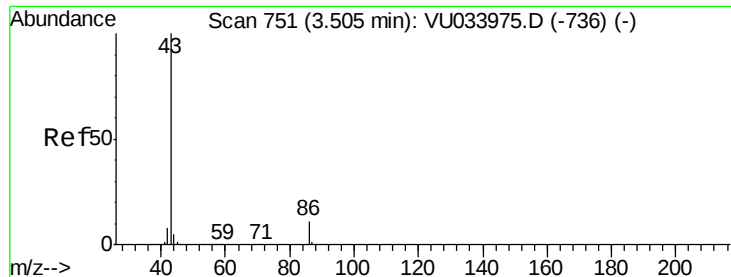
45 100

43 62.0 51.6 77.4

87 25.9 24.4 36.6

59 11.5 9.8 14.6





#23

Vinyl Acetate

Concen: 355.357 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tot Ion: 43 Resp: 3333422

Ion Ratio Lower Upper

43 100

86 9.7 9.1 13.7

Instrument :

MSVOA_U

ClientSampleId :

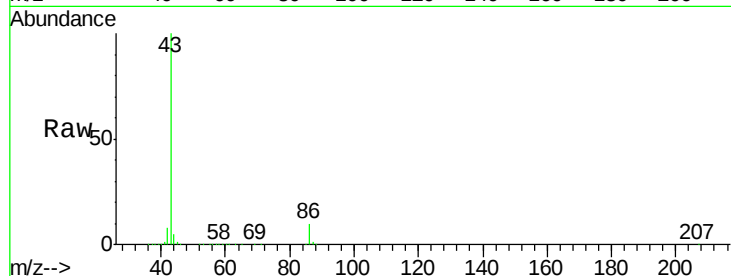
VSTDCCC050EC

Manual Integrations

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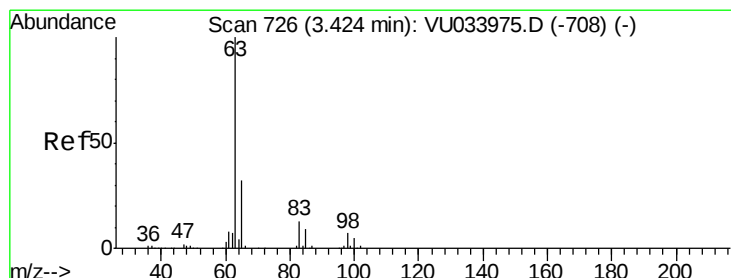
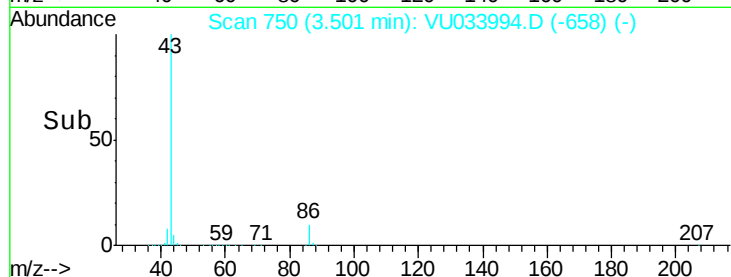
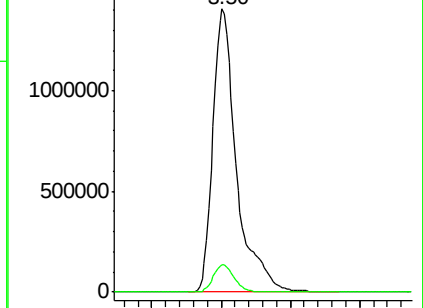
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU033994.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU033994.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 61.938 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

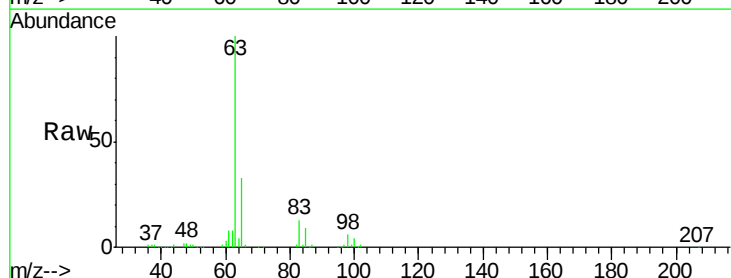
Tgt Ion: 63 Resp: 428180

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

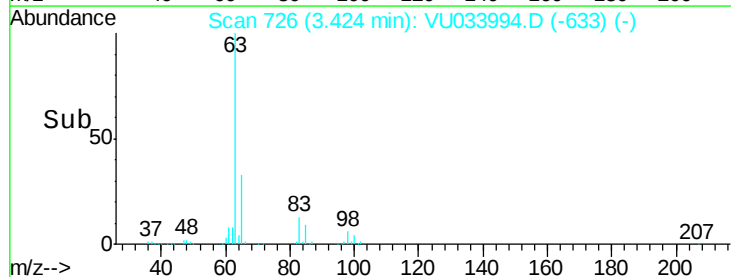
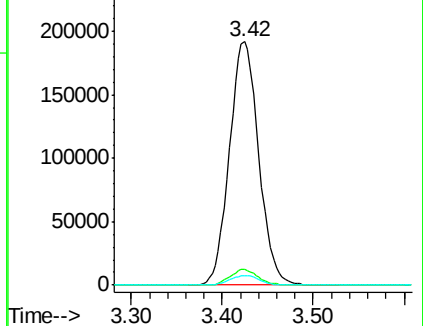
100 3.9 2.3 6.8

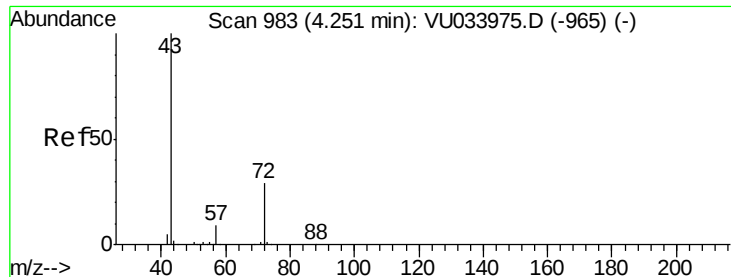


Abundance Ion 62.90 (62.60 to 63.60): VU033994.D (-633) (-)

Ion 97.90 (97.60 to 98.60): VU033994.D (-633) (-)

Ion 99.90 (99.60 to 100.60): VU033994.D (-633) (-)





#25

2-Butanone

Concen: 334.193 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.01 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 981731

Ion Ratio Lower Upper

43 100

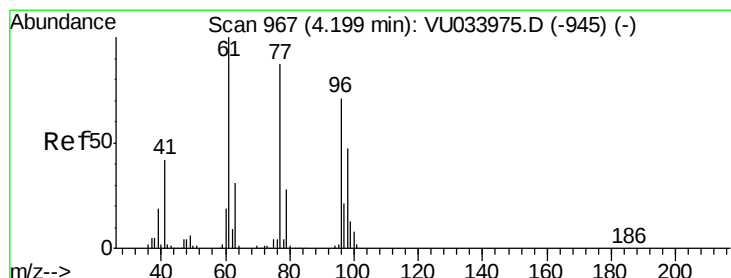
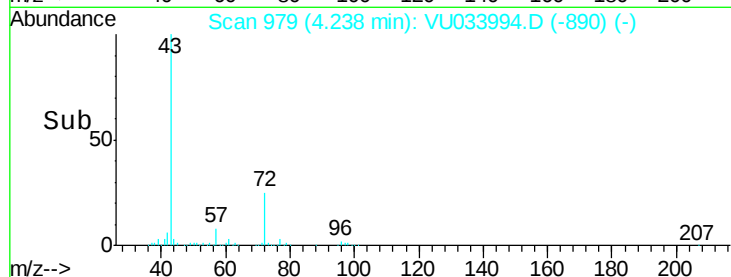
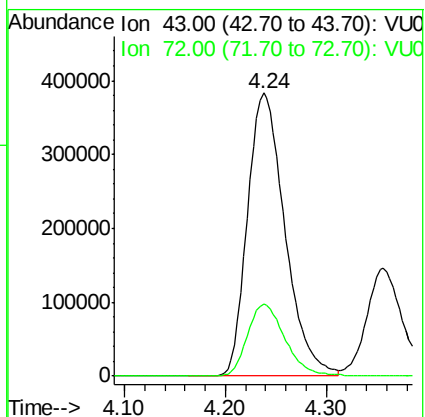
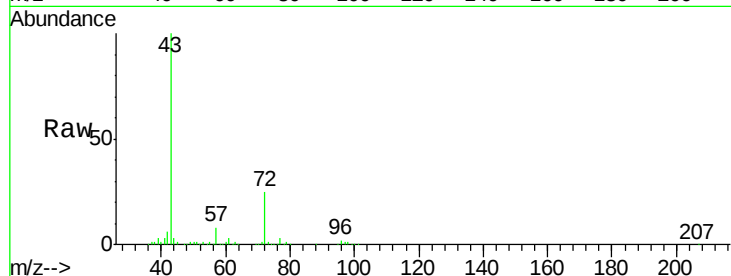
72 25.4 22.9 34.3

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#26

2,2-Dichloropropane

Concen: 48.942 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033994.D

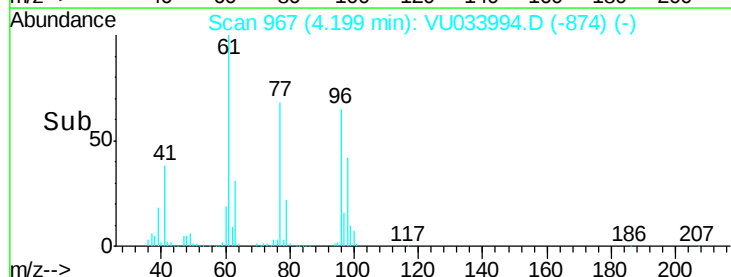
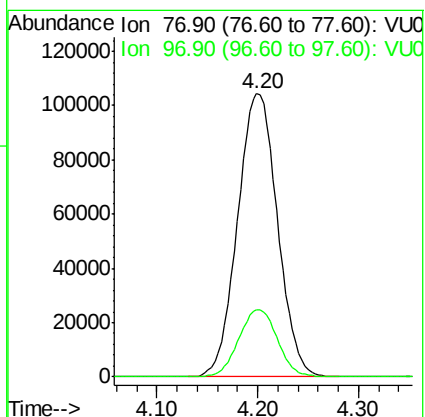
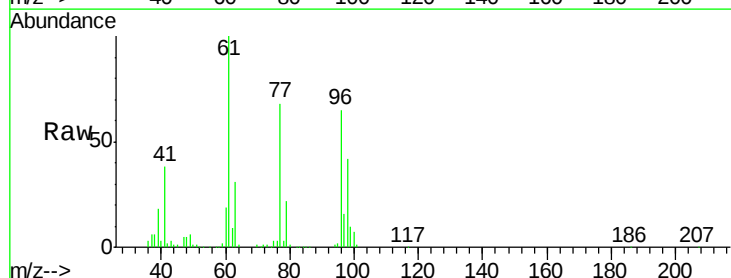
Acq: 27 Aug 2019 23:52

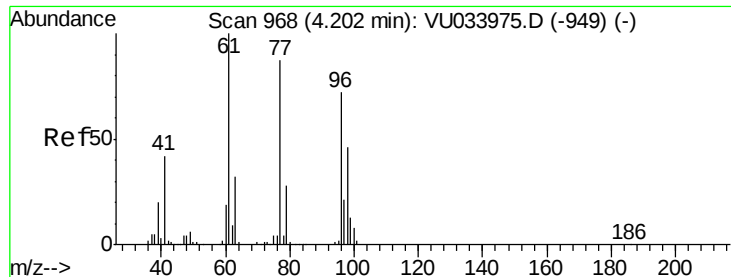
Tgt Ion: 77 Resp: 286078

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.0





#27

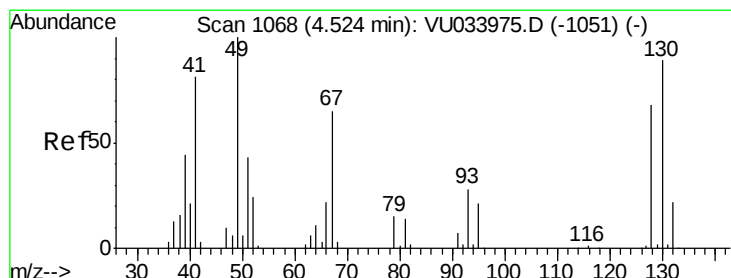
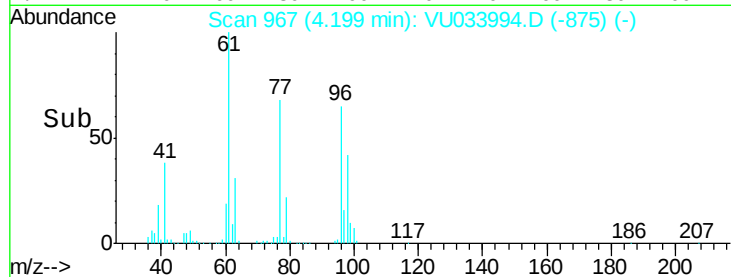
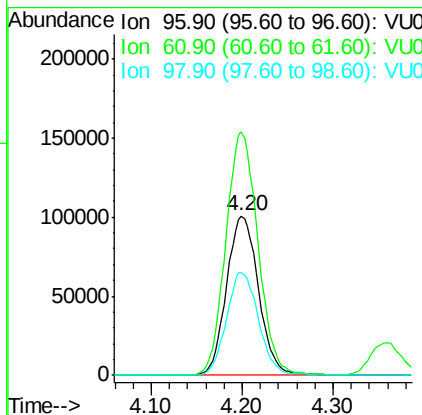
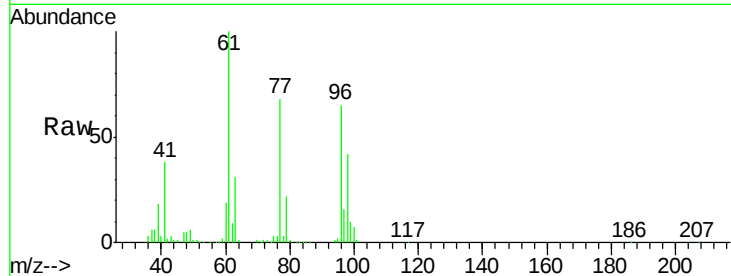
cis-1,2-Dichloroethene
Concen: 56.763 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	287.2
98	64.9	0.0	131.8

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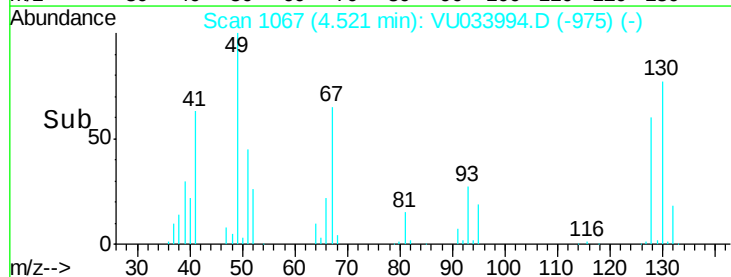
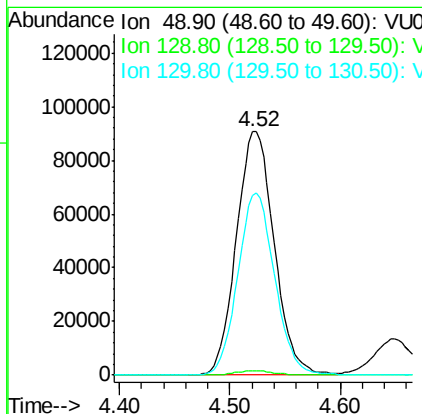
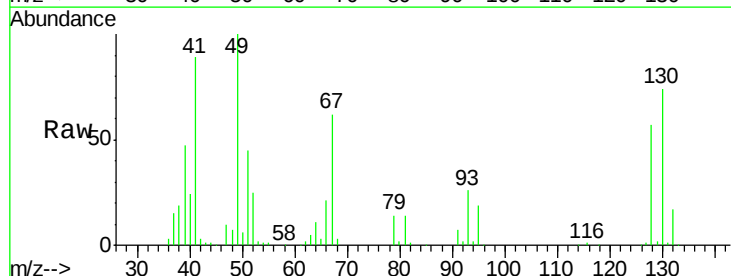
MMDadoda
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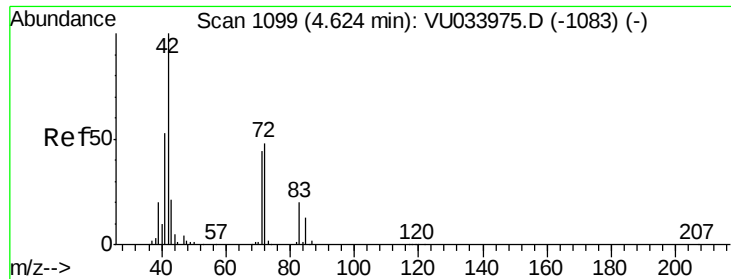


#28

Bromochloromethane
Concen: 67.953 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	73.0	71.0	106.6





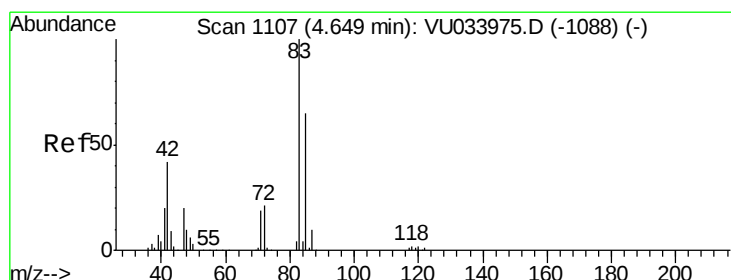
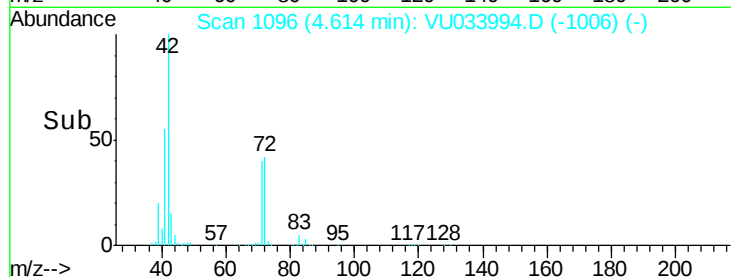
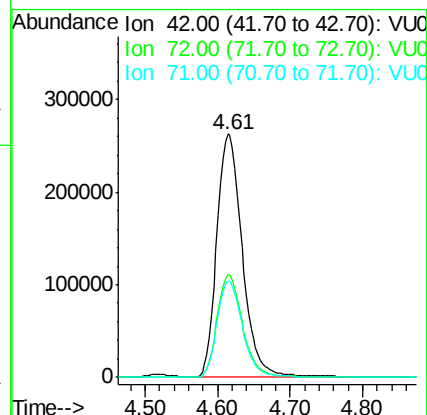
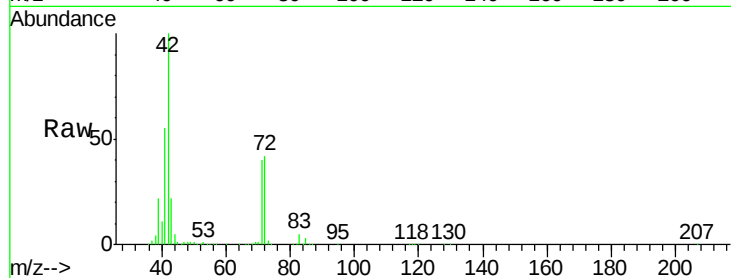
#29
Tetrahydrofuran
Concen: 346.597 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	38.9	58.3
71	39.8	35.7	53.5

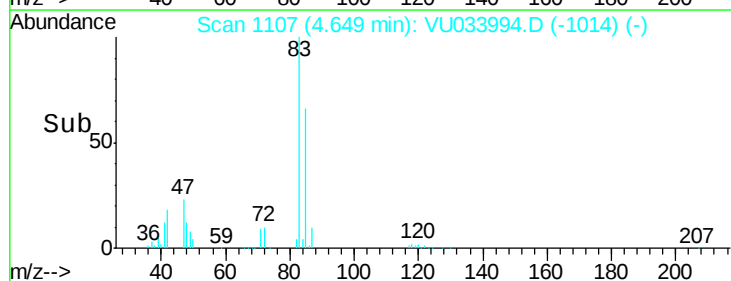
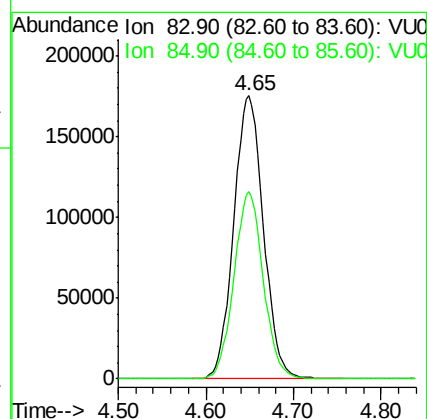
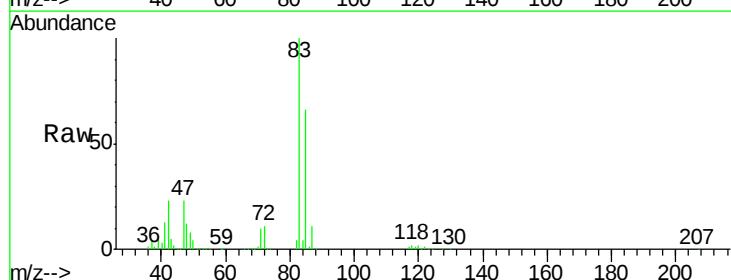
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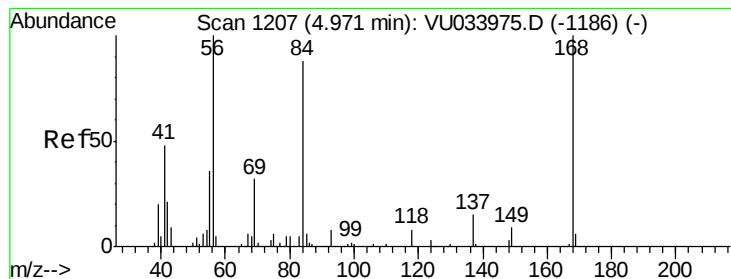
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#30
Chloroform
Concen: 58.425 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.1	78.1





#31

Cyclohexane

Concen: 61.998 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 391380

Ion Ratio Lower Upper

56 100

69 31.2 25.9 38.9

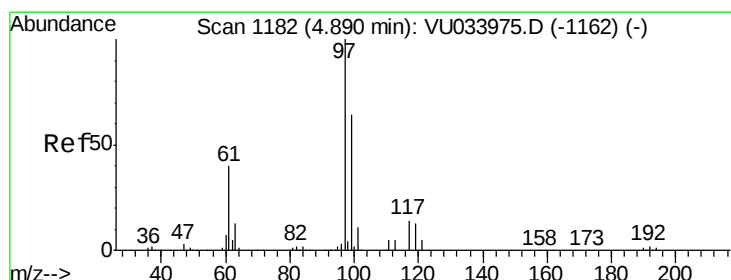
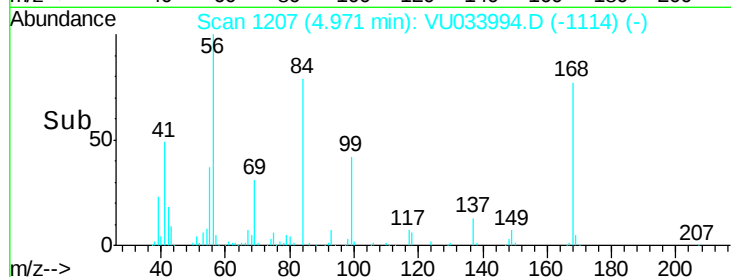
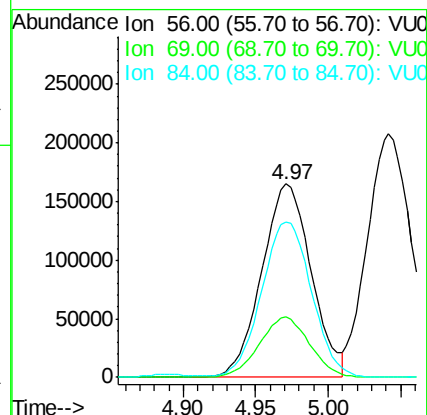
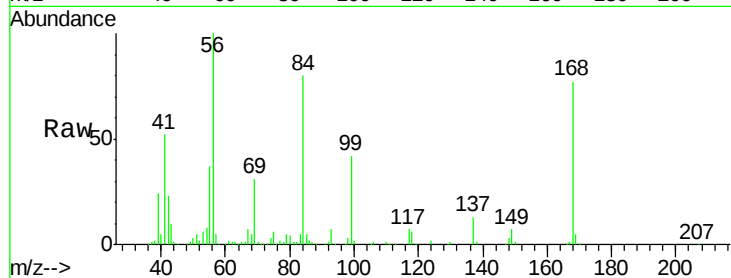
84 79.6 70.4 105.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 58.446 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

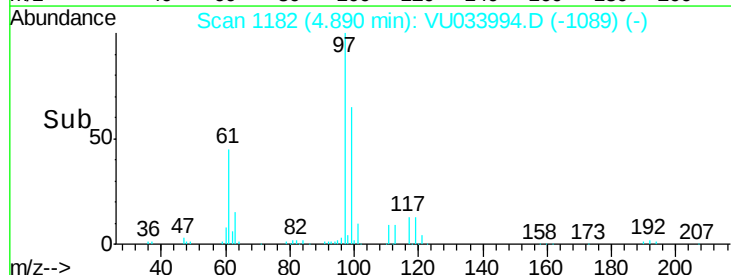
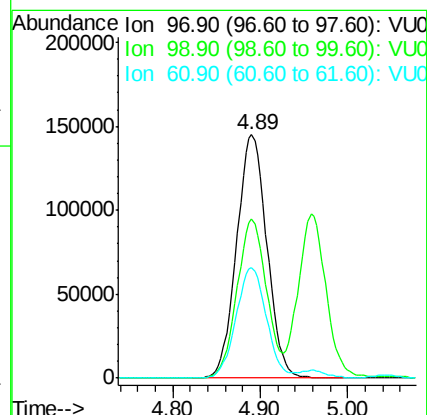
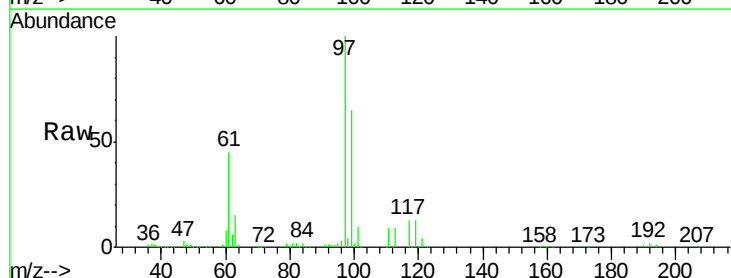
Tgt Ion: 97 Resp: 348300

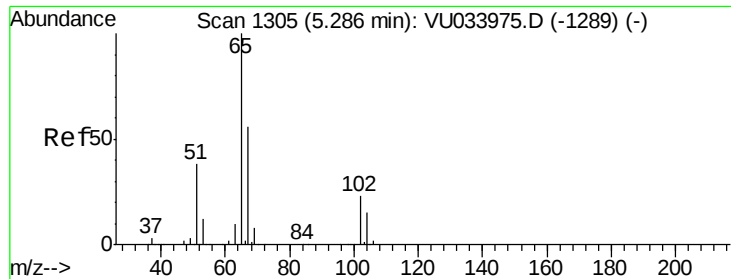
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 45.5 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 63.846 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 273348

Ion Ratio Lower Upper

65 100

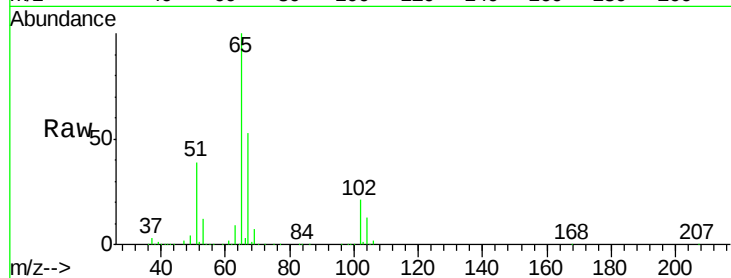
67 54.9 0.0 111.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU033994.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU033994.D (-1212) (-)

5.29

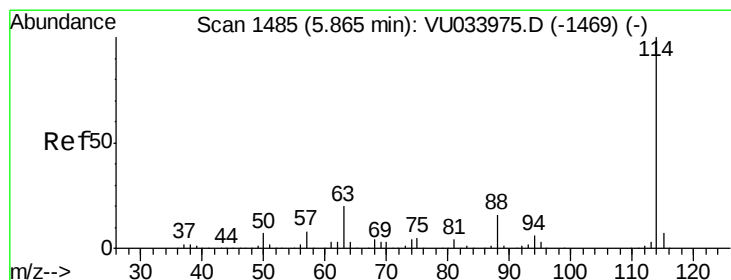
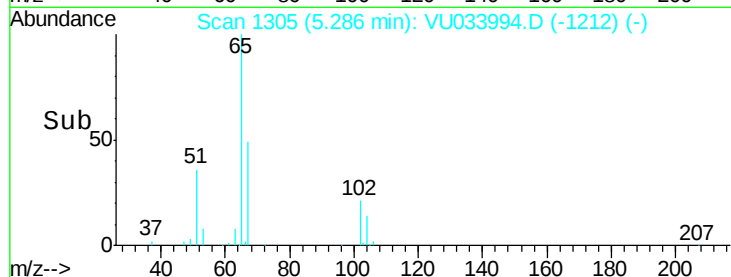
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

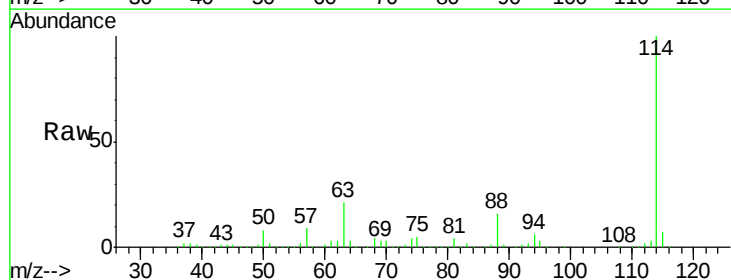
Tgt Ion: 114 Resp: 620001

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

88 16.1 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VU033994.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU033994.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU033994.D (-1392) (-)

5.86

400000

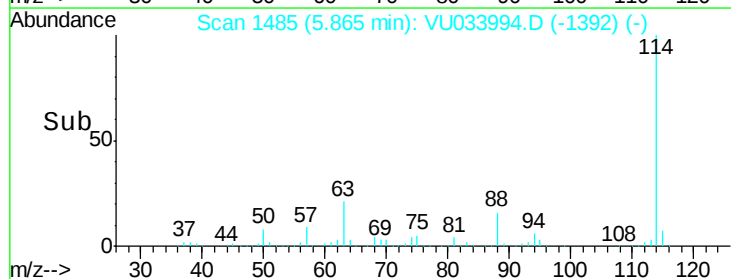
300000

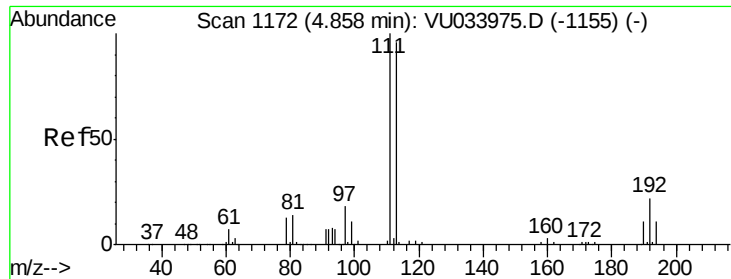
200000

100000

0

Time-->





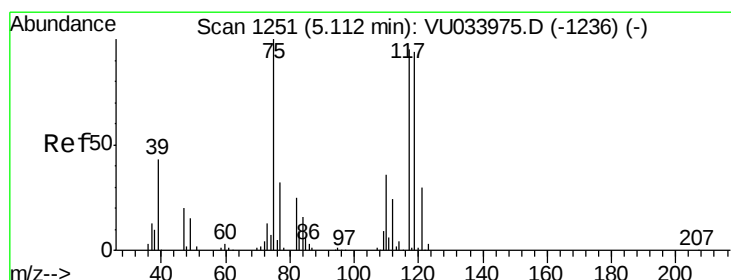
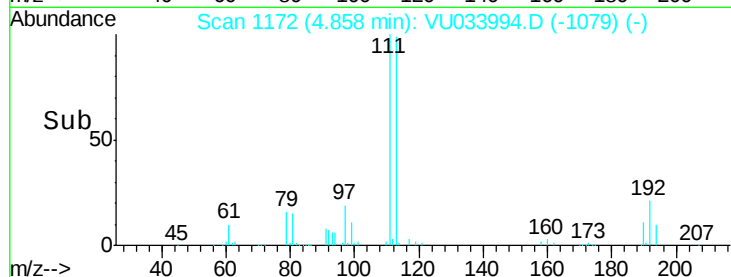
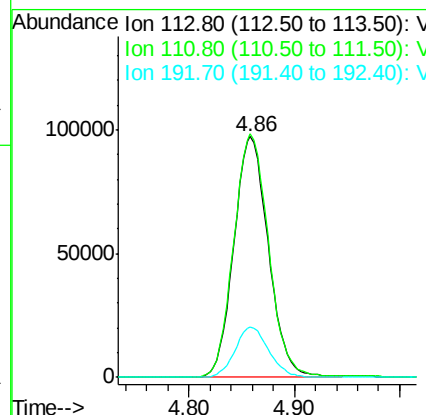
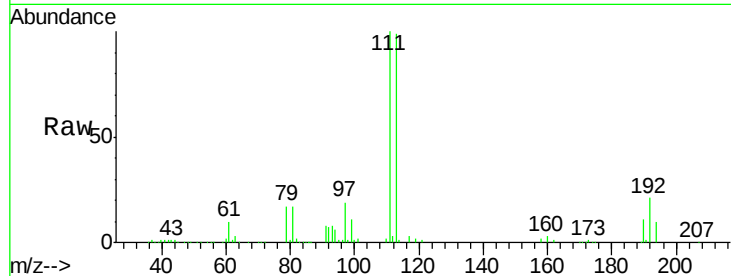
#35
 Dibromofluoromethane
 Concen: 52.901 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220469		
111	102.1		81.7	122.5
192	20.4		18.6	27.8

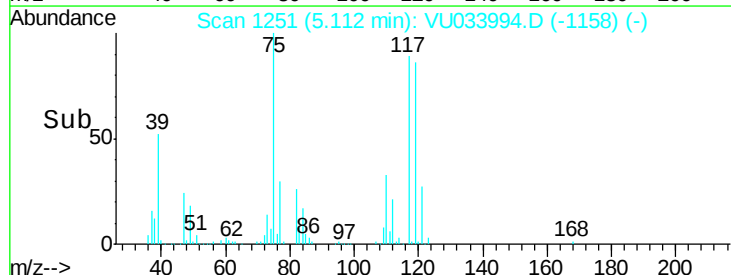
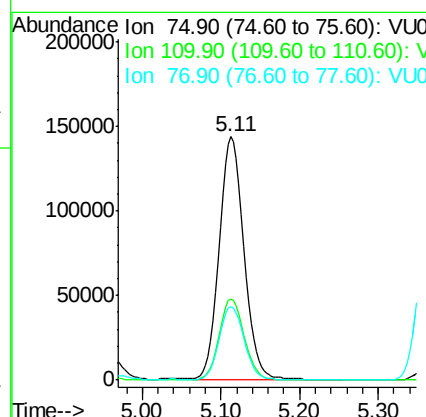
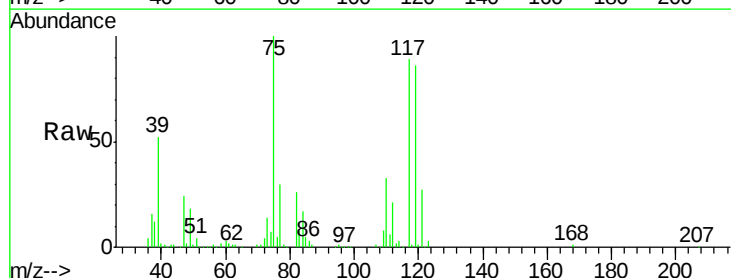
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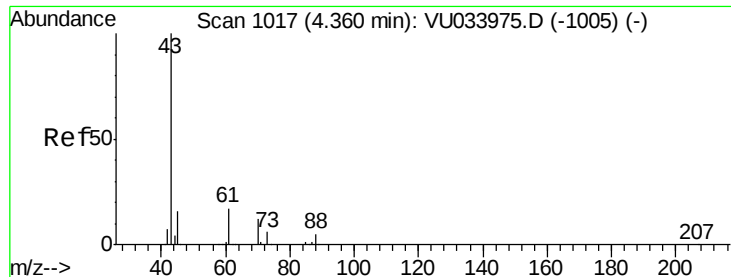
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#36
 1,1-Dichloropropene
 Concen: 54.686 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310540		
110	34.0		18.2	54.6
77	30.4		24.8	37.2





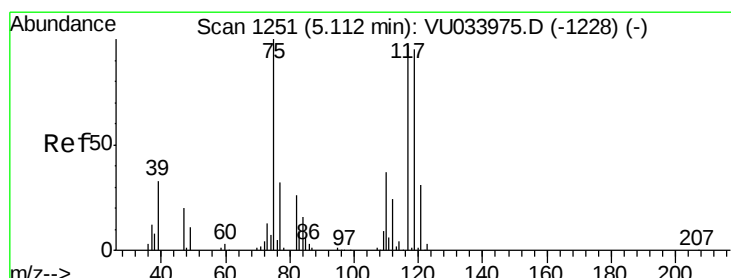
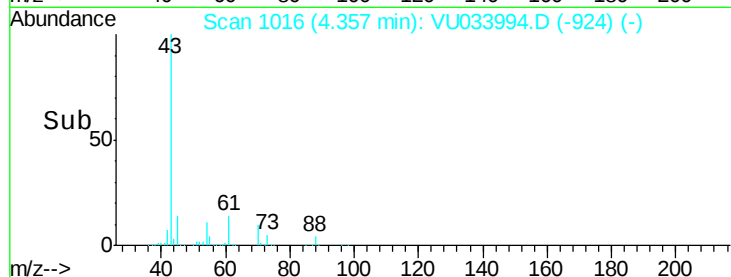
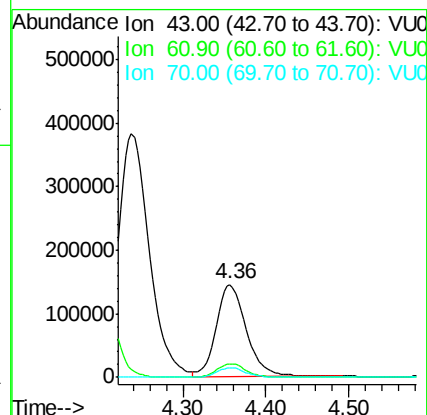
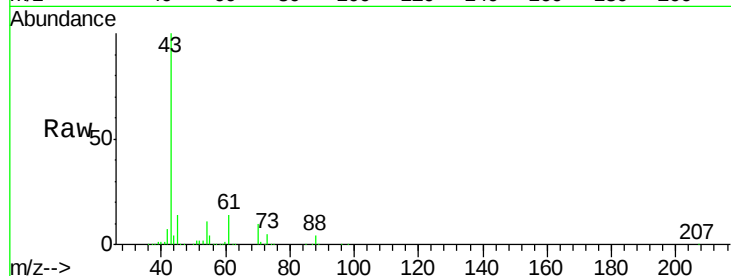
#37
Ethyl Acetate
Concen: 63.993 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.0	18.0
70	10.2	9.2	13.8

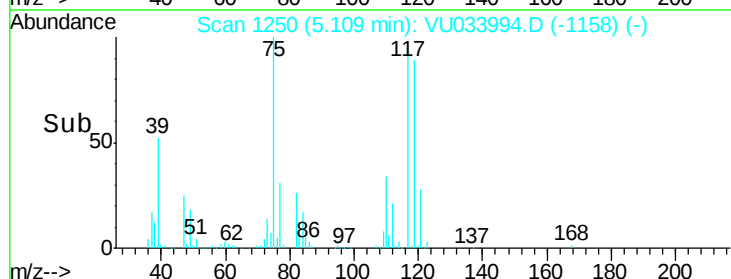
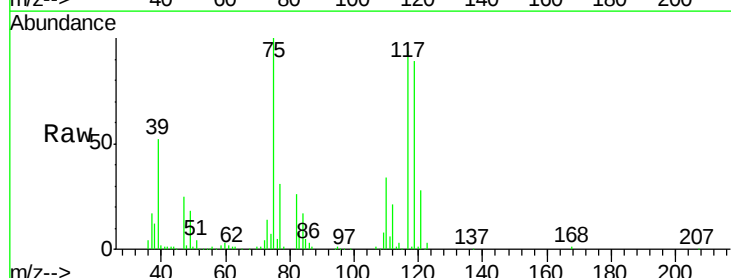
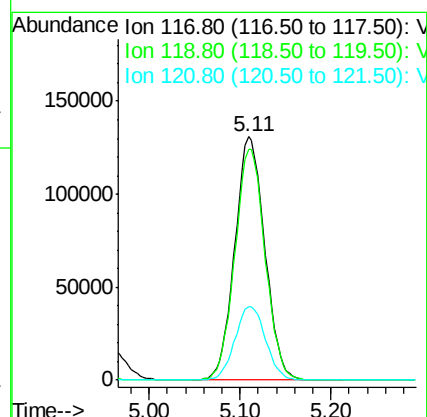
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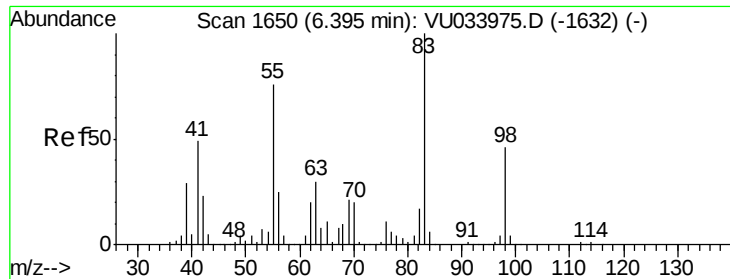
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#38
Carbon Tetrachloride
Concen: 51.625 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.4	117.6
121	30.2	25.4	38.2





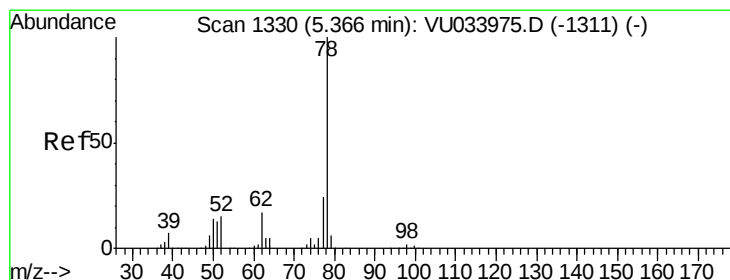
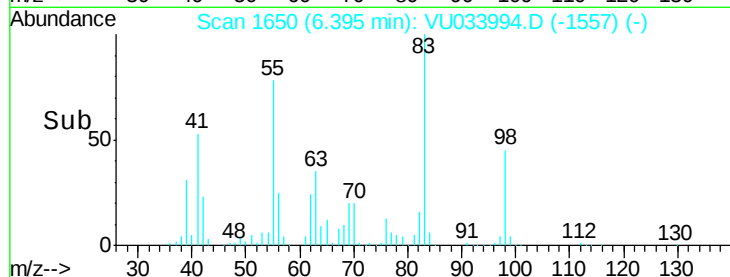
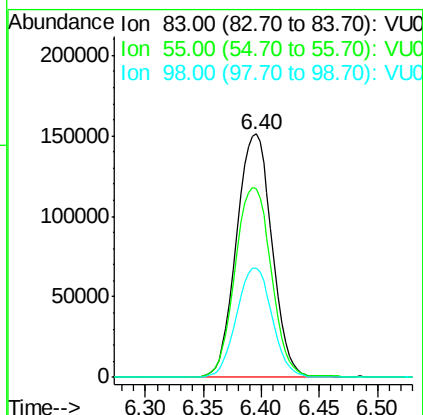
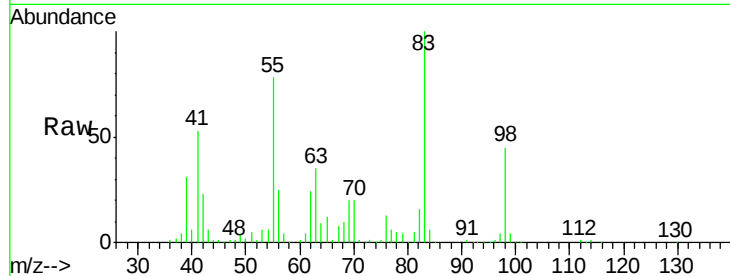
#39
Methvlcvclohexane
Concen: 47.968 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	322319		
55	77.6		60.8	91.2
98	45.0		36.5	54.7

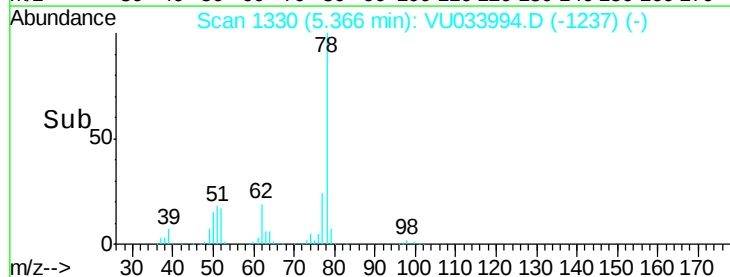
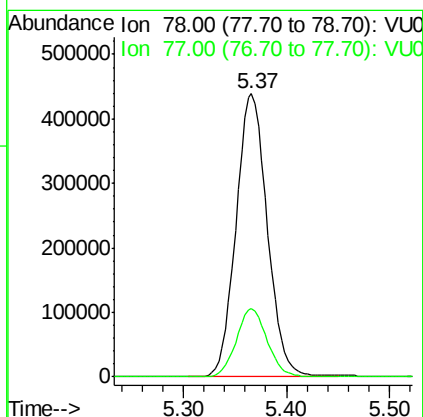
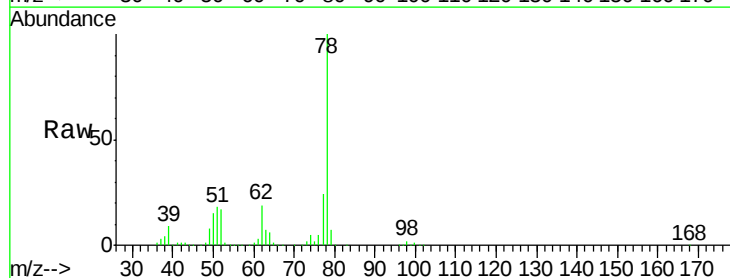
Manual Integrations
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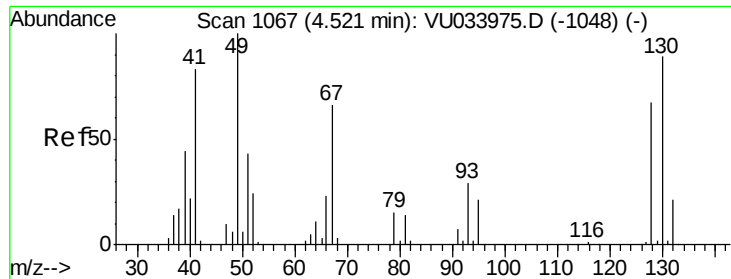
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#40
Benzene
Concen: 54.934 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	927489		
77	24.0		19.2	28.8





#41

Methacrylonitrile

Concen: 65.487 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 193280

Ion Ratio Lower Upper

41 100

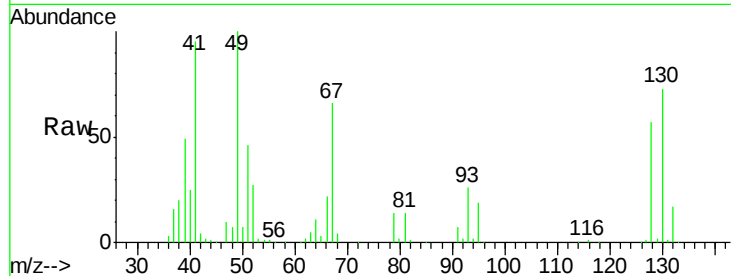
39 53.5 41.5 62.3

67 73.3 65.0 97.6

52 28.6 23.3 34.9

Manual Integrations
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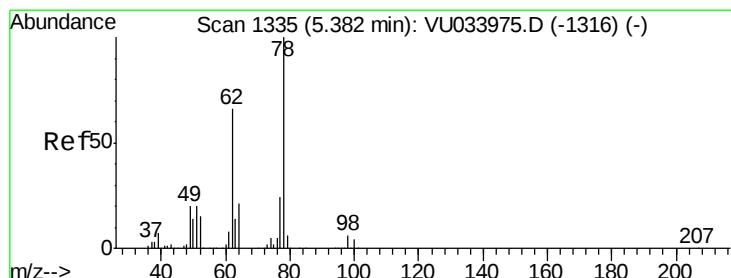
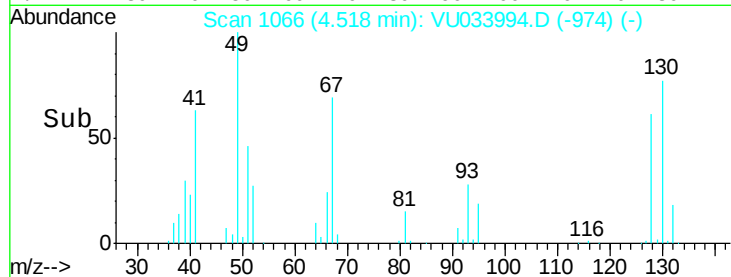
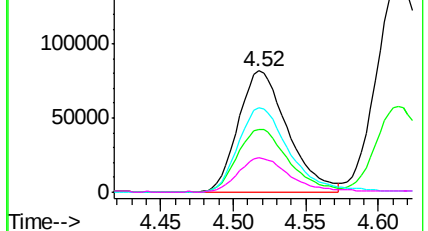


Abundance Ion 41.00 (40.70 to 41.70): VU033994.D (-1048) (-)

Ion 39.00 (38.70 to 39.70): VU033994.D (-1048) (-)

Ion 67.00 (66.70 to 67.70): VU033994.D (-1048) (-)

Ion 52.00 (51.70 to 52.70): VU033994.D (-1048) (-)



#42

1,2-Dichloroethane

Concen: 57.625 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033994.D

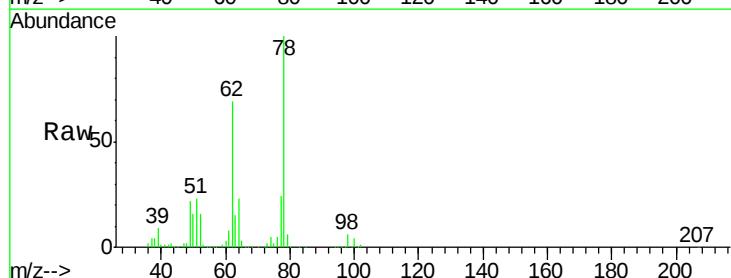
Acq: 27 Aug 2019 23:52

Tgt Ion: 62 Resp: 329001

Ion Ratio Lower Upper

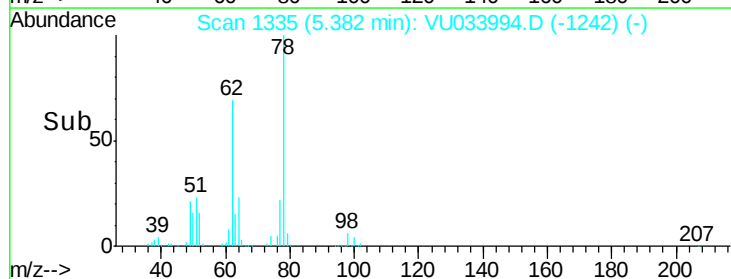
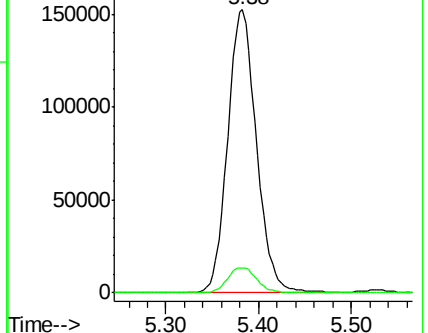
62 100

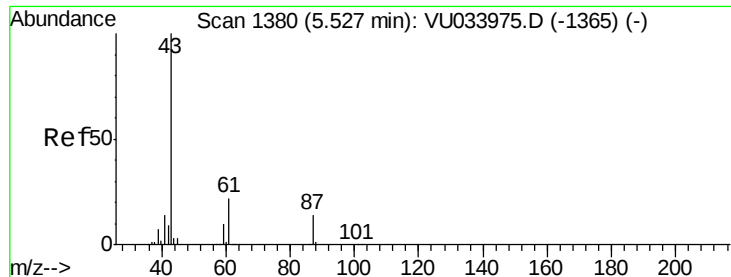
98 9.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU033994.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VU033994.D (-1242) (-)





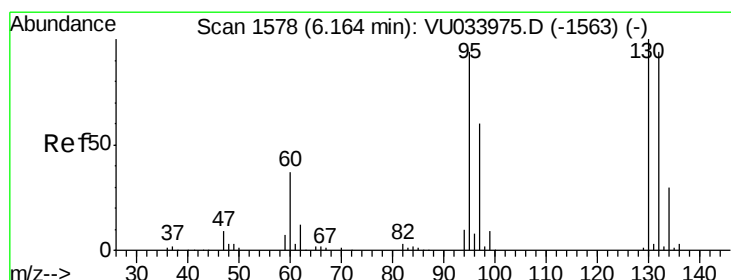
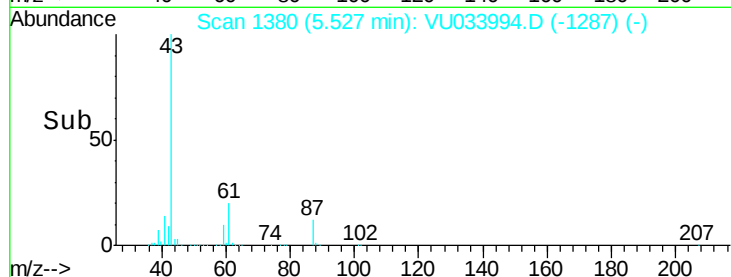
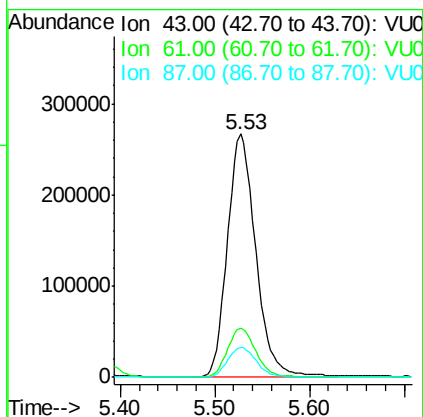
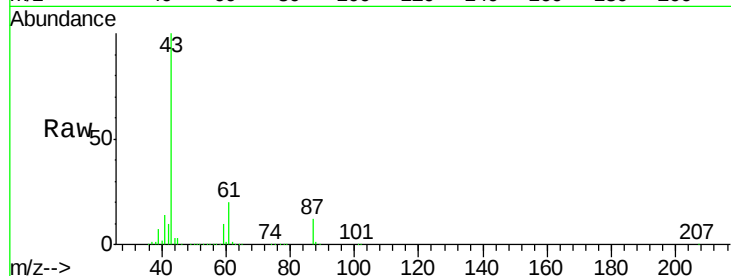
#43
Isopropyl Acetate
Concen: 63.277 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	17.8	26.8
87	12.7	11.9	17.9

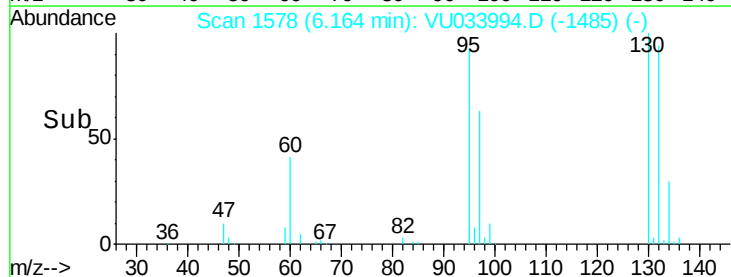
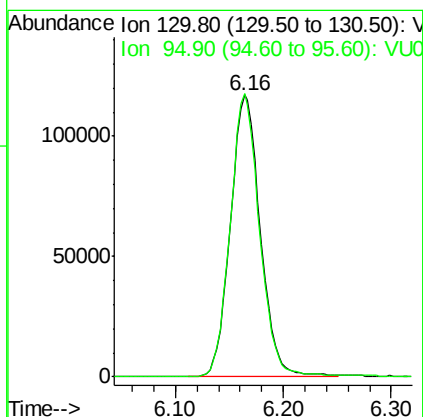
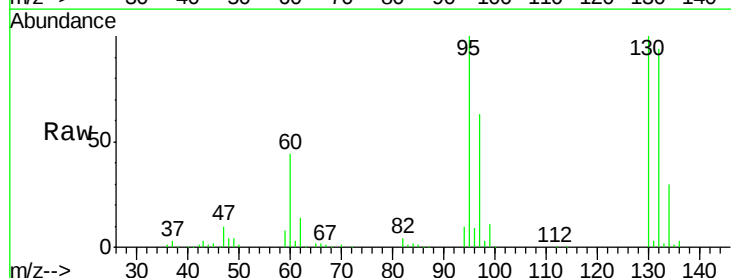
Manual Integrations
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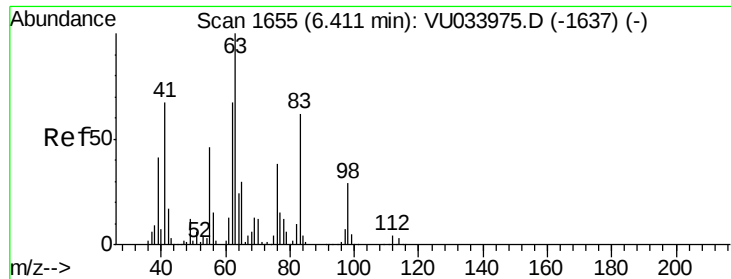
MMDadoda
8/28/2019 9:58:12 AM



#44
Trichloroethene
Concen: 47.035 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	187.6





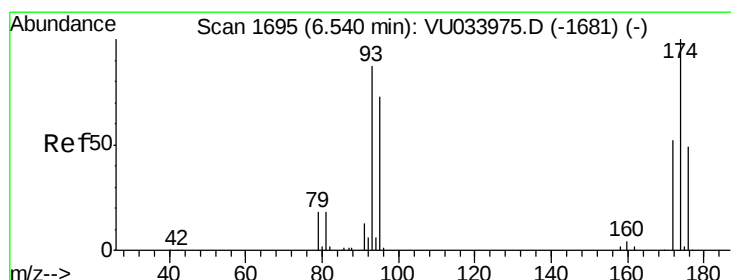
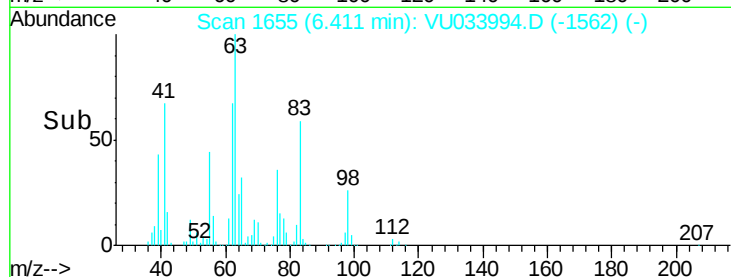
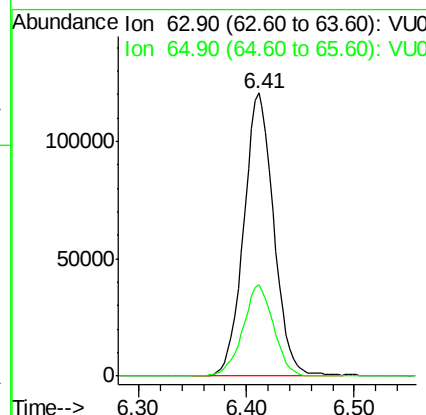
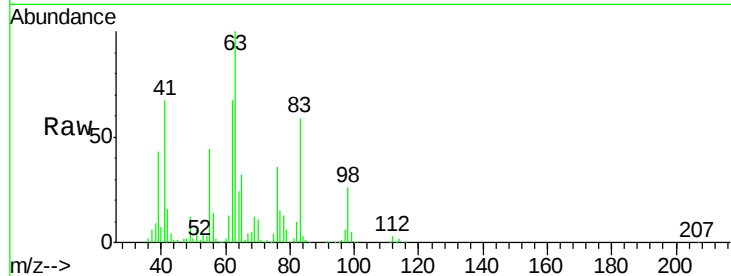
#45
 1,2-Dichloropropane
 Concen: 51.658 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 233342
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5

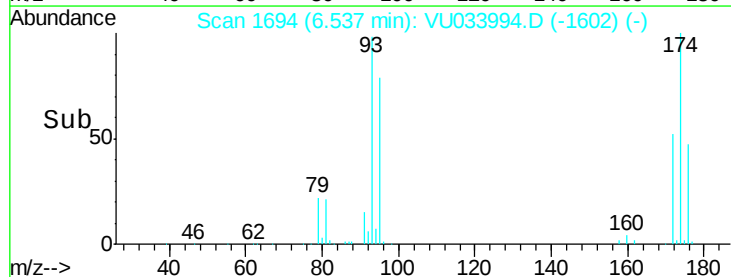
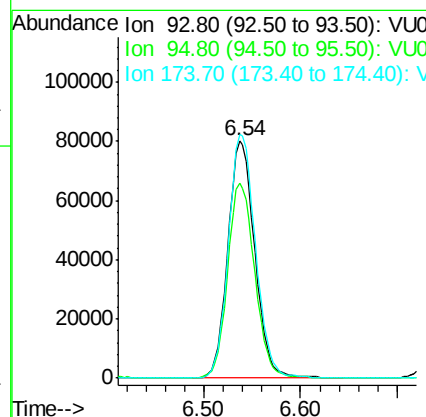
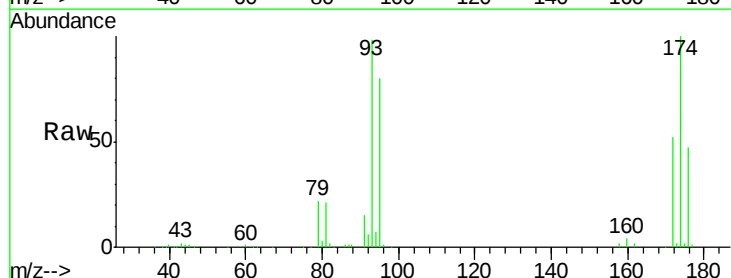
Manual Integrations
 APPROVED

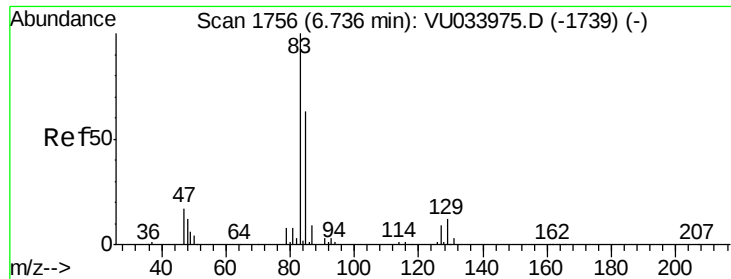
MMDadoda
 8/28/2019 9:58:12 AM



#46
 Dibromomethane
 Concen: 50.482 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 93 Resp: 155078
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.2 99.4
 174 103.5 92.2 138.2





#47

Bromodichloromethane

Concen: 50.459 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

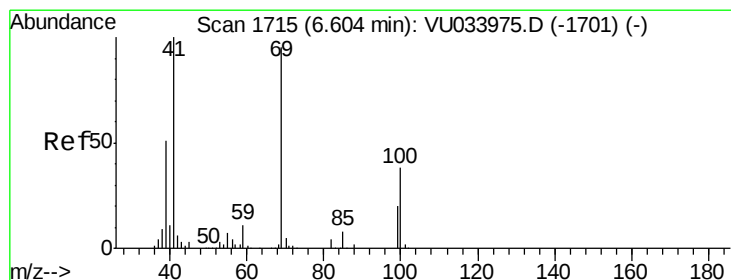
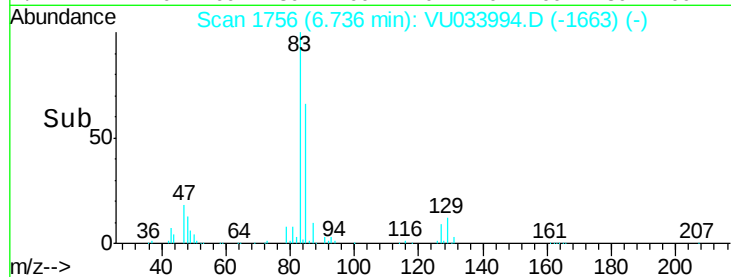
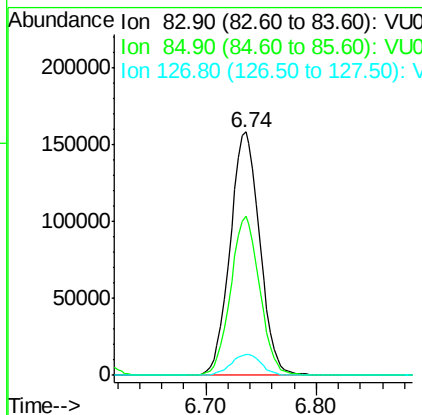
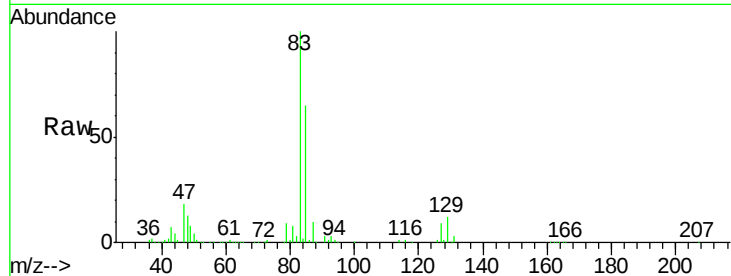
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	295239
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	76.0
127	8.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.353 ug/l

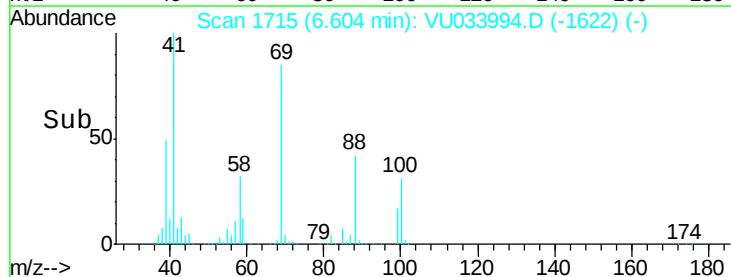
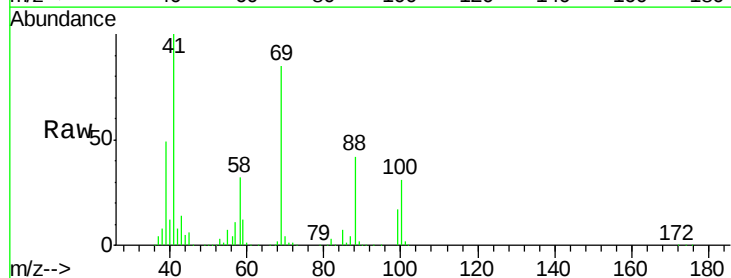
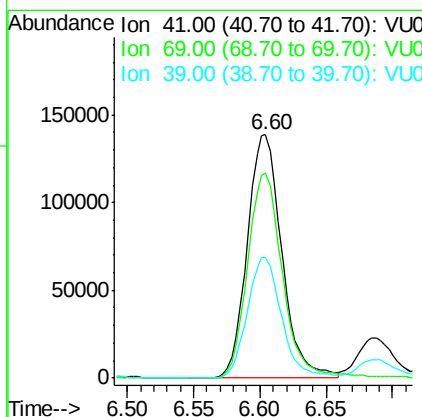
RT: 6.60 min Scan# 1715

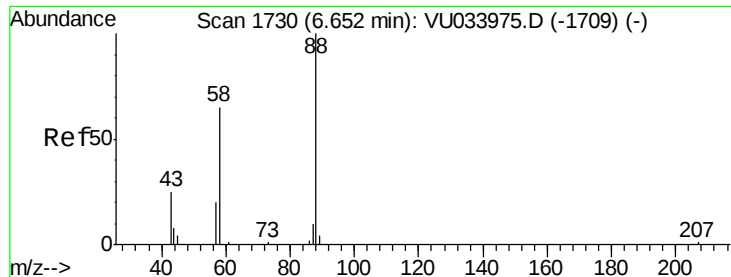
Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion:	41	Resp:	250598
Ion	Ratio	Lower	Upper
41	100		
69	85.9	76.3	114.5
39	49.2	41.1	61.7





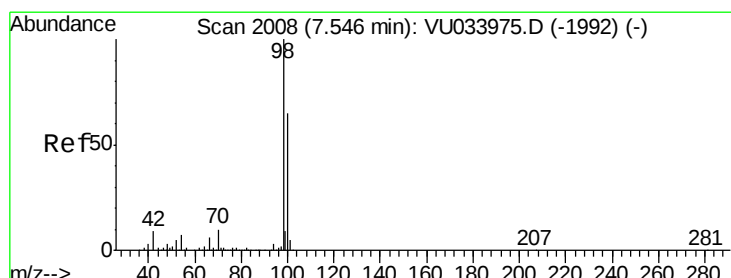
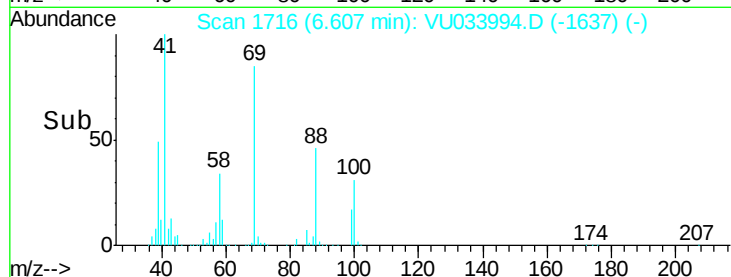
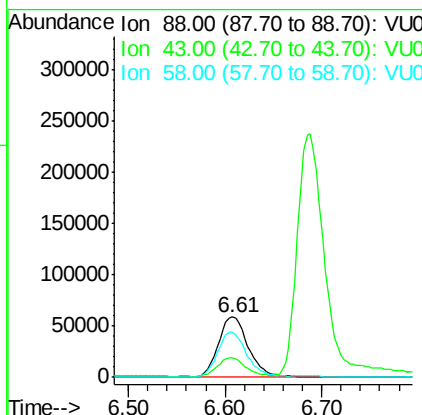
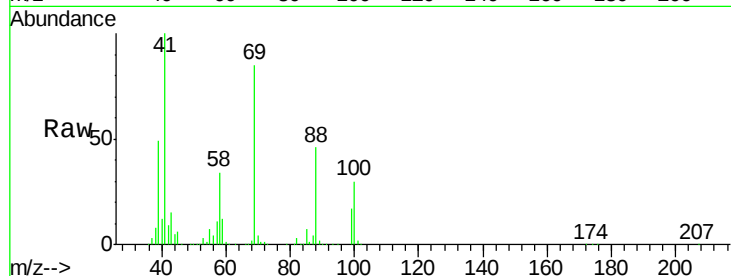
#49
1,4-Dioxane
Concen: 1115.697 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.04 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	0.0	0.0#
58	73.9	56.6	85.0

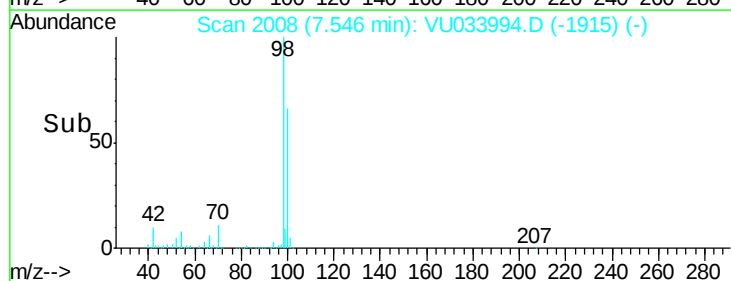
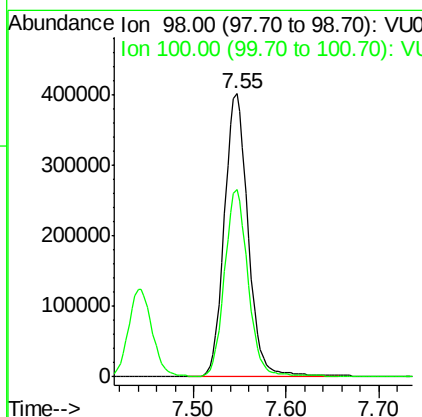
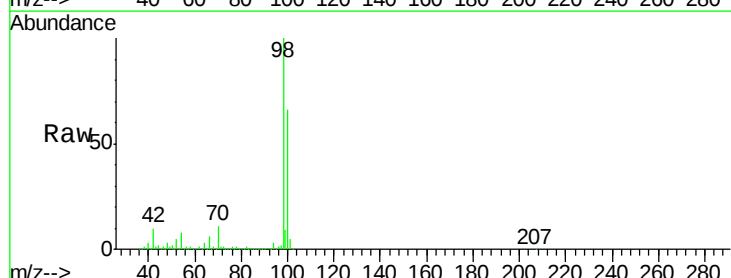
Manual Integrations
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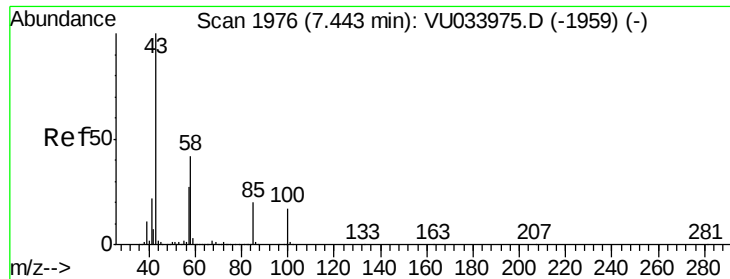
MMDadoda
8/28/2019 9:58:12 AM



#50
Toluene-d8
Concen: 46.602 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 233.792 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1407733

Ion Ratio Lower Upper

43 100

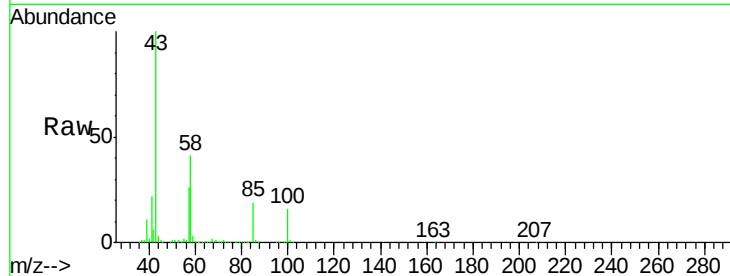
58 41.4 33.6 50.4

Manual Integrations

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MMDadoda

8/28/2019 9:58:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-1959) (-)

Ion 58.00 (57.70 to 58.70): VU033975.D (-1959) (-)

7.44

800000

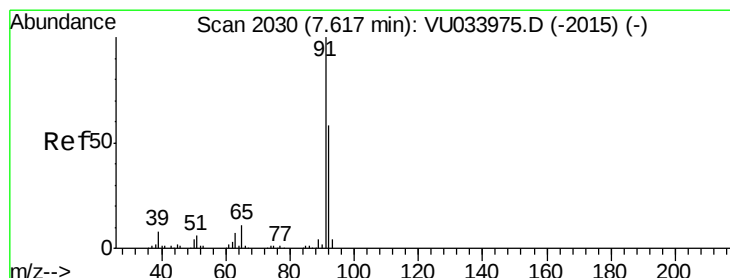
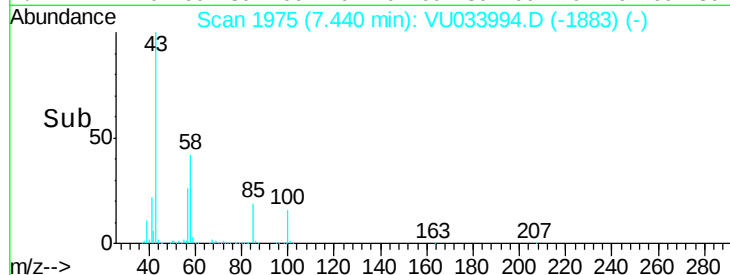
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#52

Toluene

Concen: 46.419 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033994.D

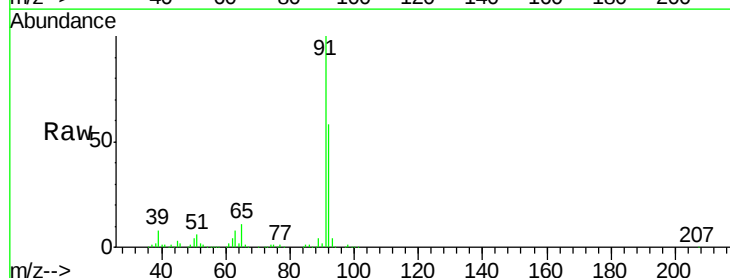
Acq: 27 Aug 2019 23:52

Tgt Ion: 92 Resp: 494185

Ion Ratio Lower Upper

92 100

91 174.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VU033975.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU033975.D (-2015) (-)

7.62

500000

400000

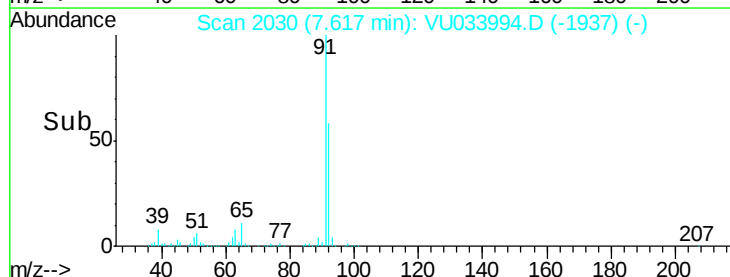
300000

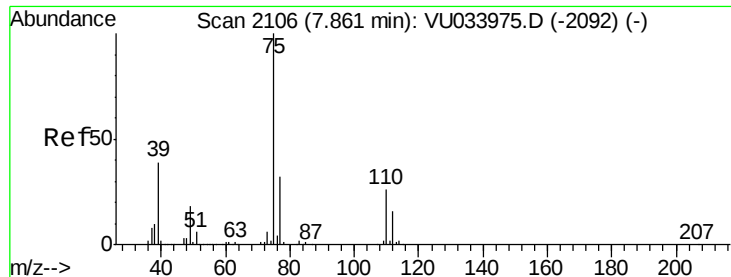
200000

100000

0

Time--> 7.50 7.60 7.70





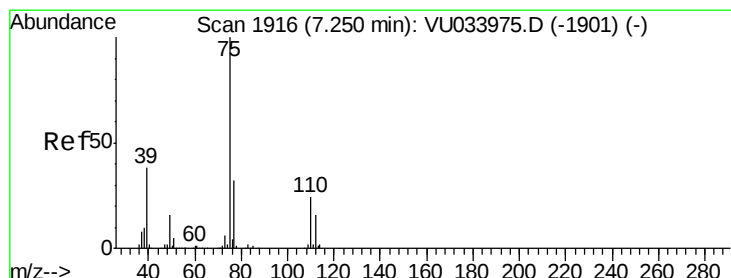
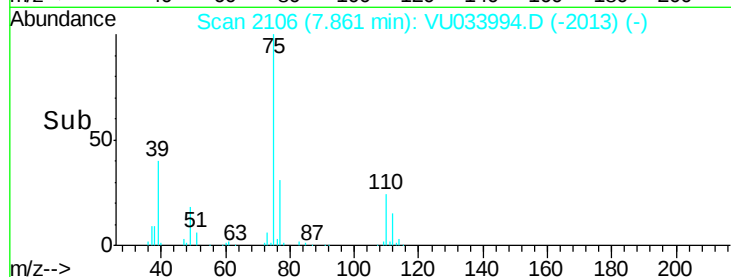
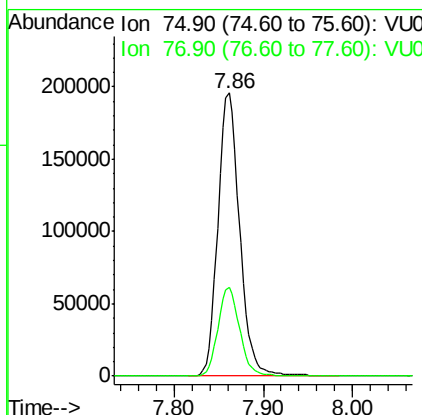
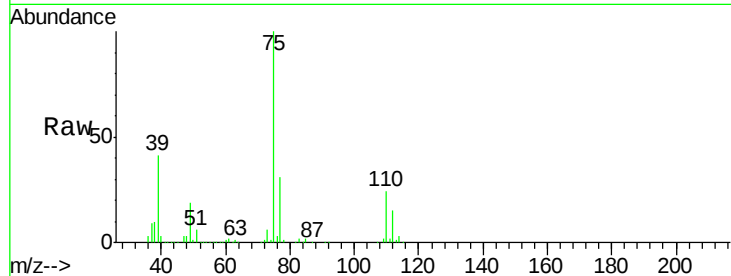
#53
 t-1,3-Dichloropropene
 Concen: 51.163 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 331040
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2

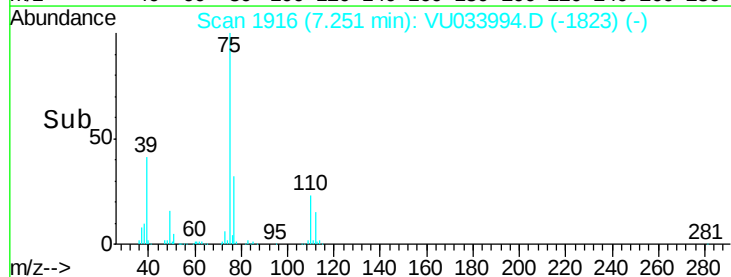
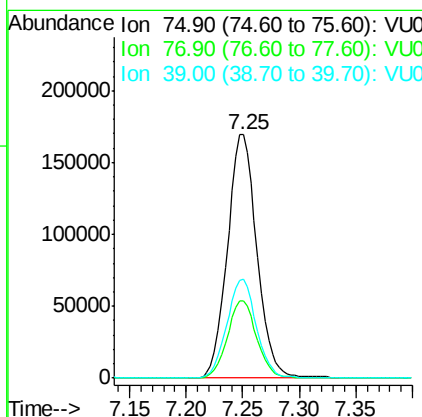
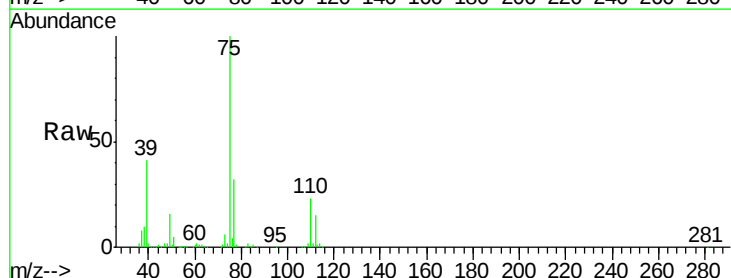
Manual Integrations
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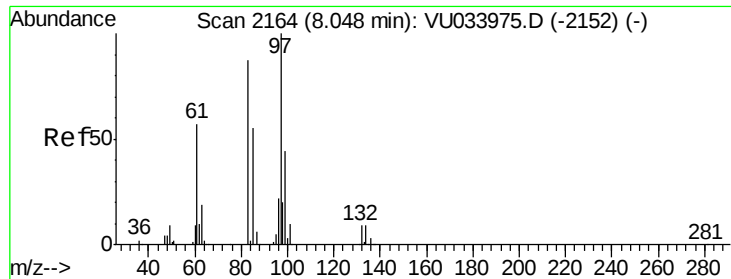
MMDadoda
 8/28/2019 9:58:12 AM



#54
 cis-1,3-Dichloropropene
 Concen: 43.891 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 75 Resp: 306991
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4
 39 40.5 30.7 46.1





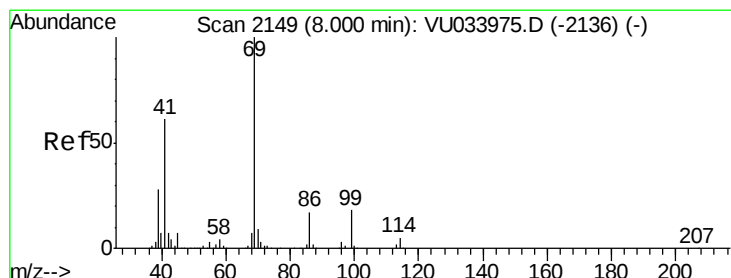
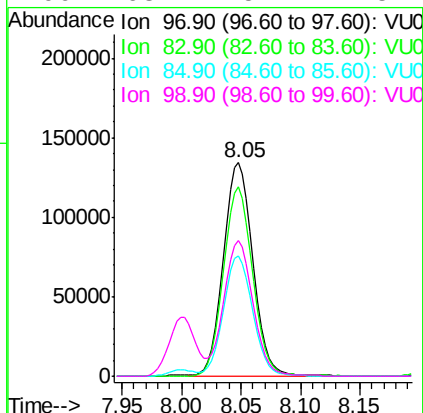
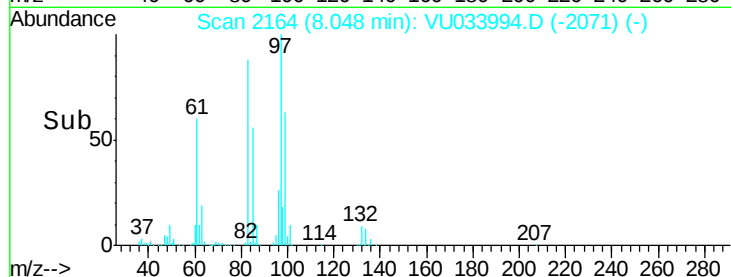
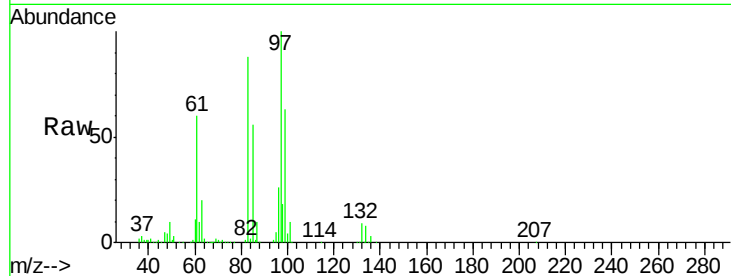
#55
 1,1,2-Trichloroethane
 Concen: 50.770 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		228386		
83	88.7	69.8	104.6		
85	56.4	45.2	67.8		
99	63.2	52.2	78.4		

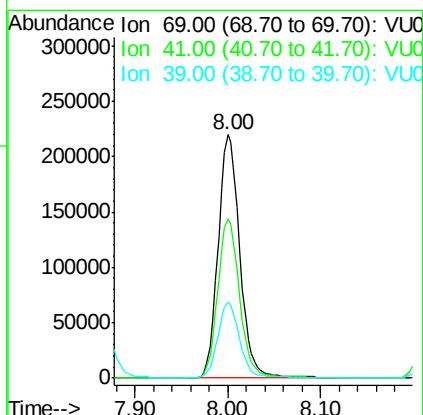
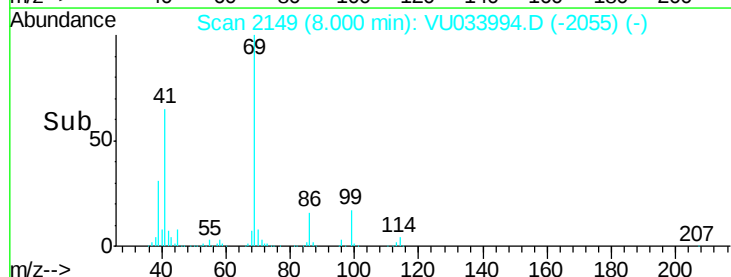
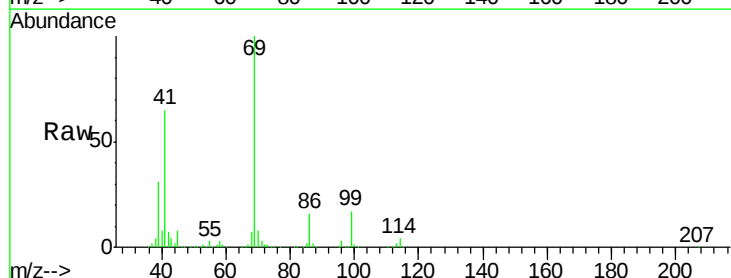
Manual Integrations
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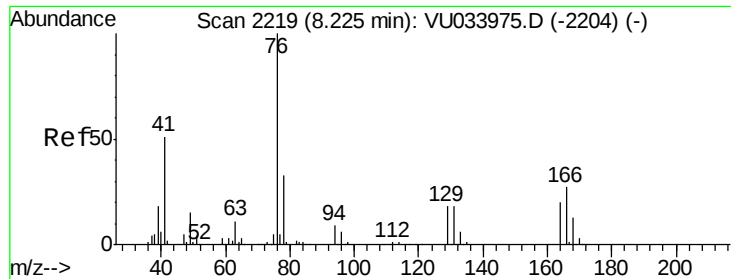
MMDadoda
 8/28/2019 9:58:12 AM



#56
 Ethyl methacrylate
 Concen: 50.343 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		357151		
41	65.9	48.6	72.8		
39	30.6	22.4	33.6		





#57

1,3-Dichloropropane

Concen: 52.872 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tot Ion: 76 Resp: 387610

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5

Instrument :

MSVOA_U

ClientSampleId :

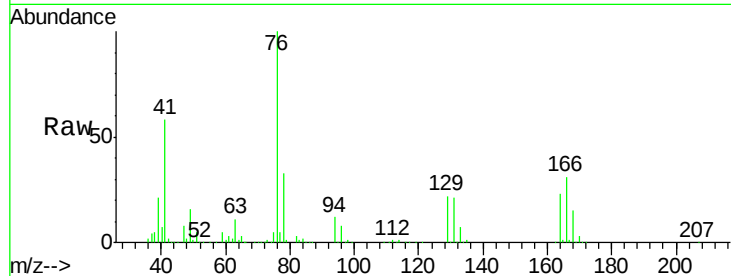
VSTDCCC050EC

Manual Integrations

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MMDadoda

8/28/2019 9:58:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

250000

200000

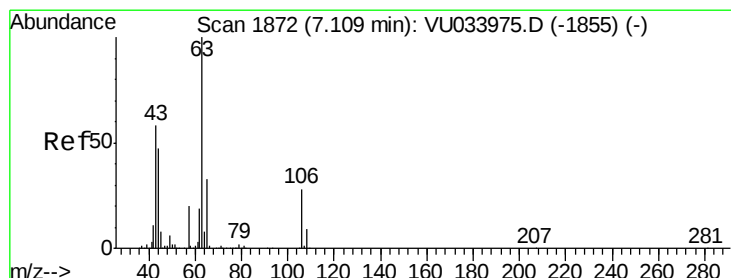
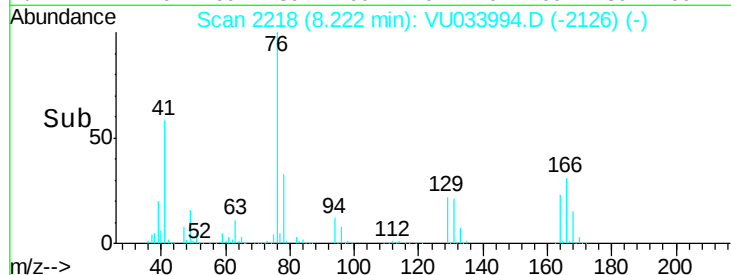
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#58

2-Chloroethyl Vinyl ether

Concen: 283.637 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU033994.D

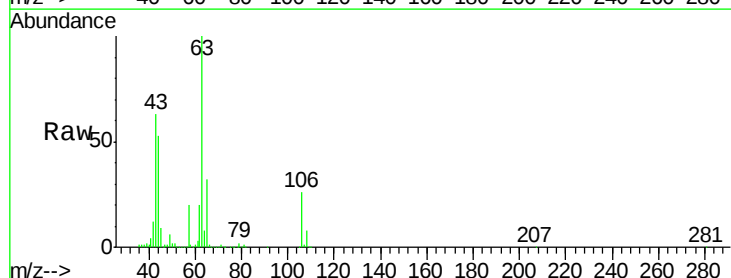
Acq: 27 Aug 2019 23:52

Tgt Ion: 63 Resp: 754167

Ion Ratio Lower Upper

63 100

106 25.0 22.4 33.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

500000

400000

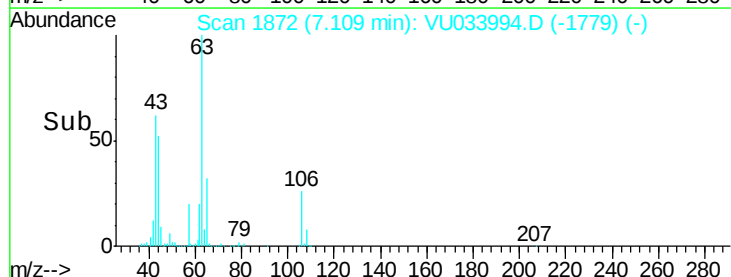
300000

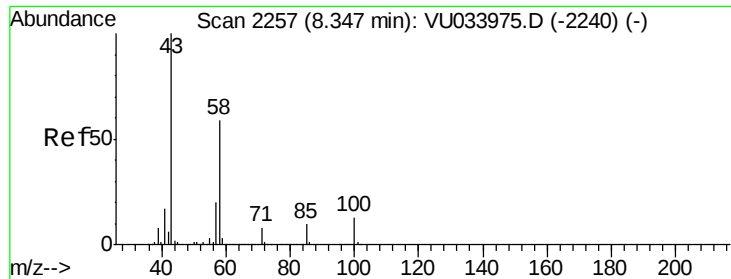
200000

100000

0

Time--> 7.00 7.10 7.20





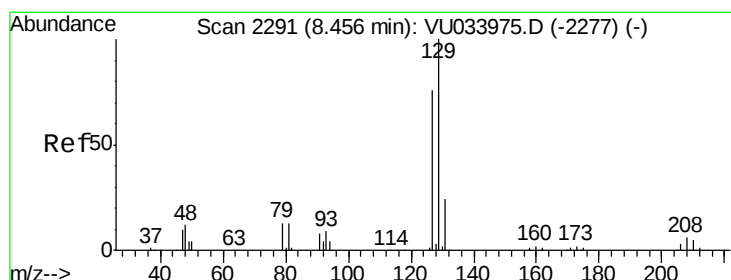
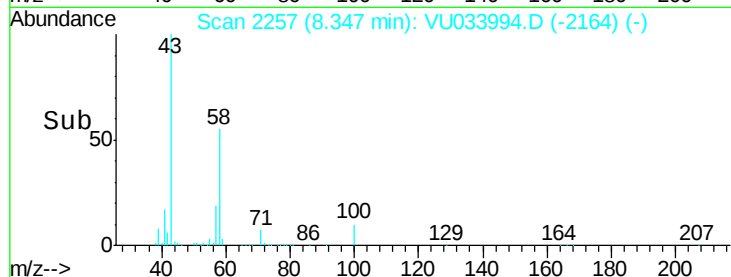
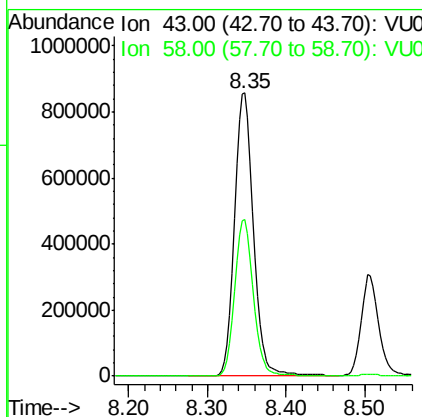
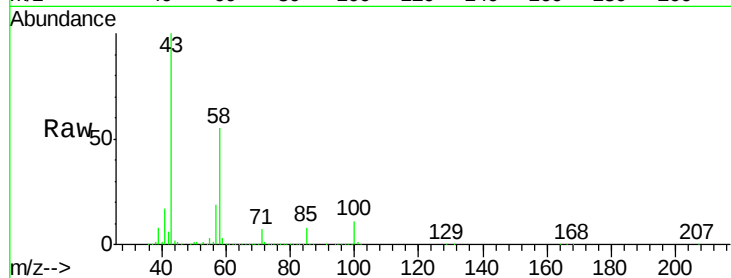
#59
2-Hexanone
Concen: 307.585 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1423569
Ion Ratio Lower Upper
43 100
58 54.8 29.5 88.6

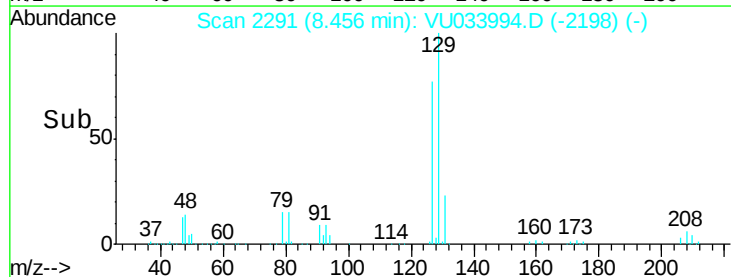
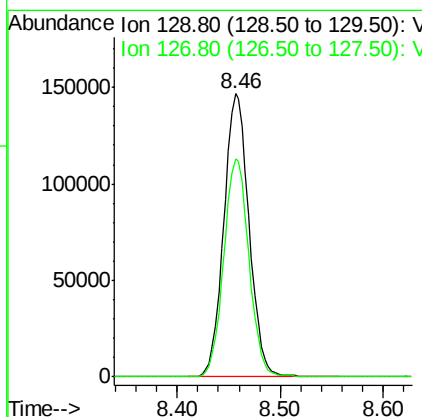
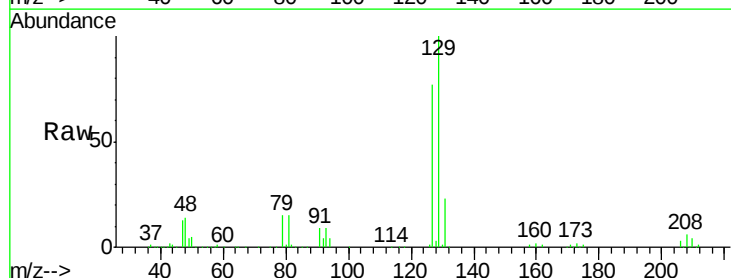
Manual Integrations
APPROVED

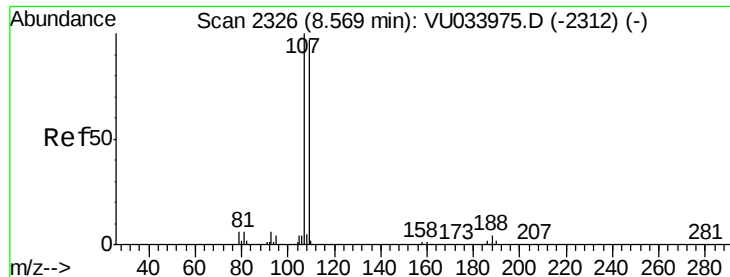
MMDadoda
8/28/2019 9:58:12 AM



#60
Dibromochloromethane
Concen: 49.414 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 129 Resp: 249969
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





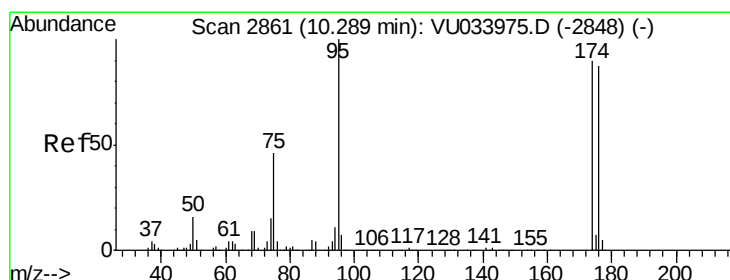
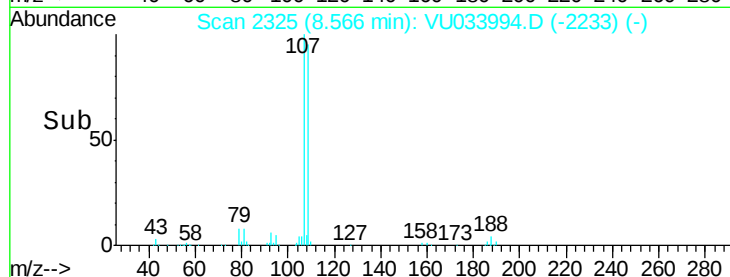
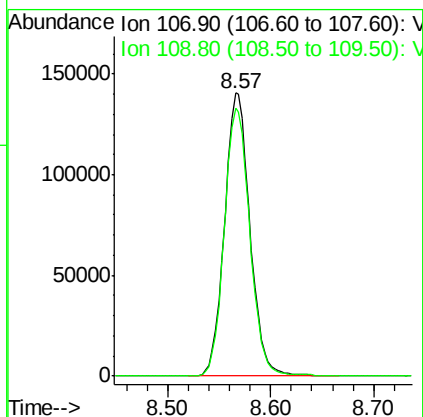
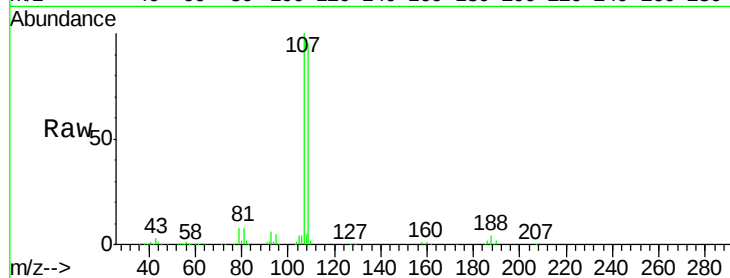
#61
 1,2-Dibromoethane
 Concen: 50.835 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.7	113.5

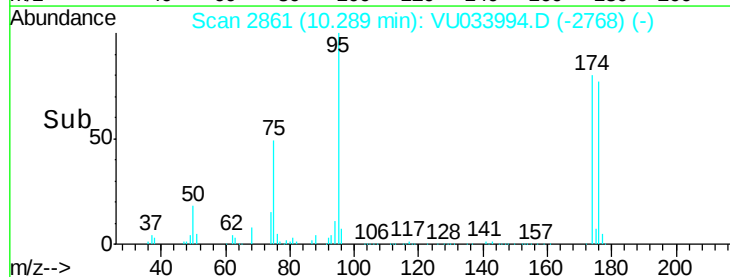
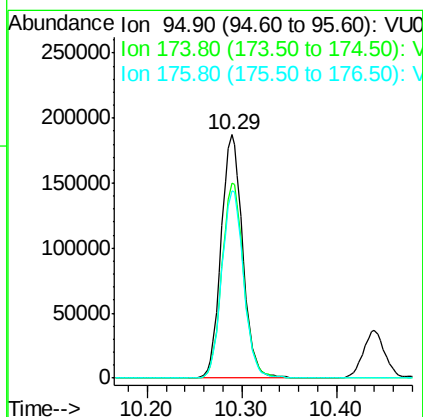
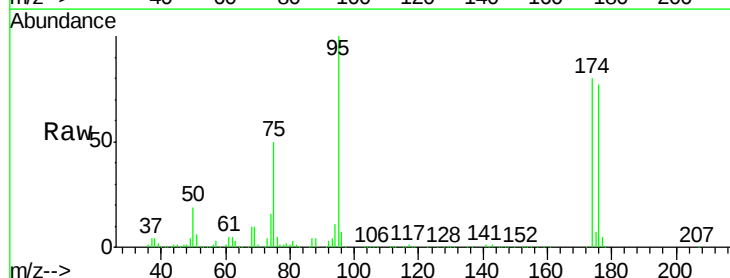
Manual Integrations
 APPROVED

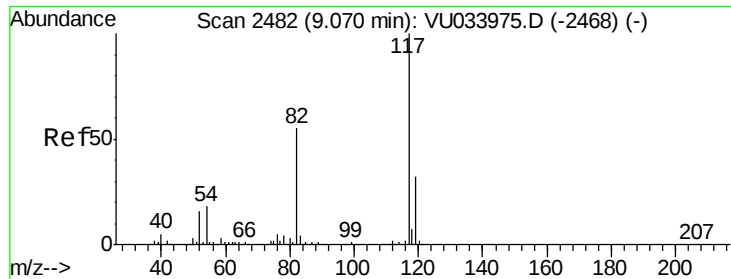
MMDadoda
 8/28/2019 9:58:12 AM



#62
 4-Bromofluorobenzene
 Concen: 50.153 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	183.8
176	78.3	0.0	176.4





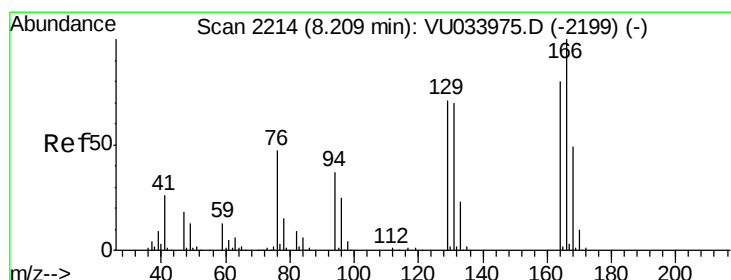
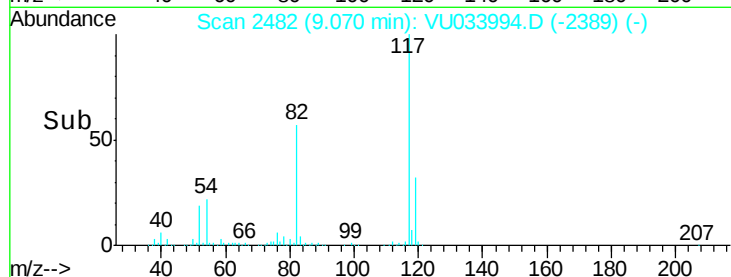
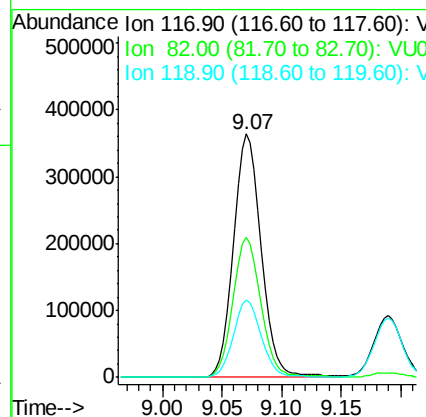
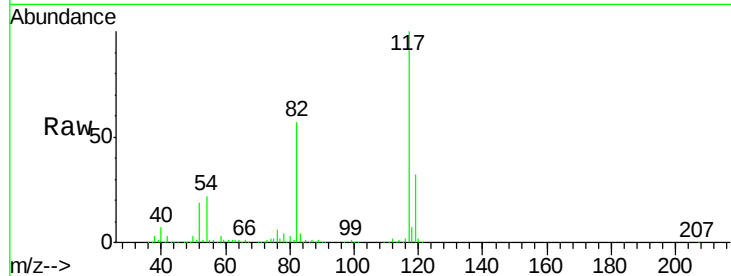
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	590092		
82	57.4		43.8	65.8
119	31.9		25.7	38.5

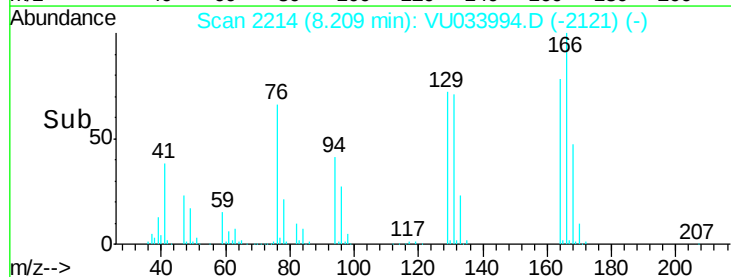
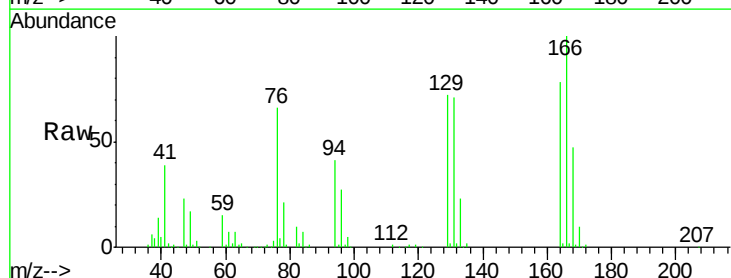
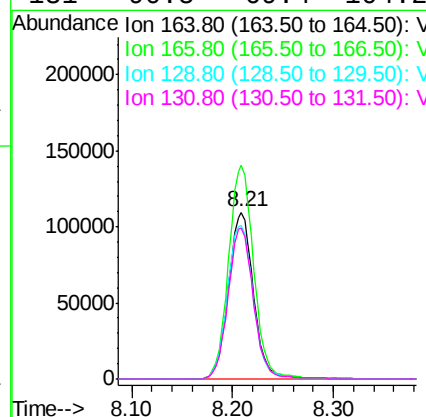
Manual Integrations
APPROVED

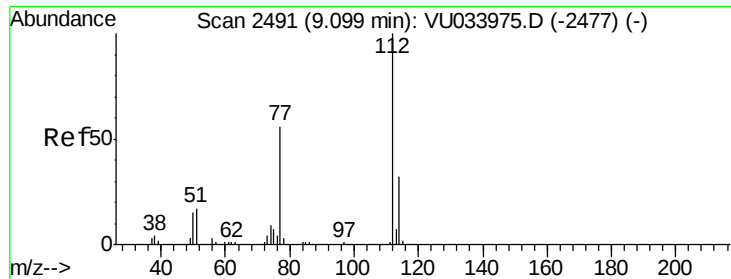
MMDadoda
8/28/2019 9:58:12 AM



#64
Tetrachloroethene
Concen: 40.124 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190368		
166	128.0		99.5	149.3
129	91.8		70.9	106.3
131	90.5		69.4	104.2





#65

Chlorobenzene

Concen: 49.188 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 597679

Ion Ratio Lower Upper

112 100

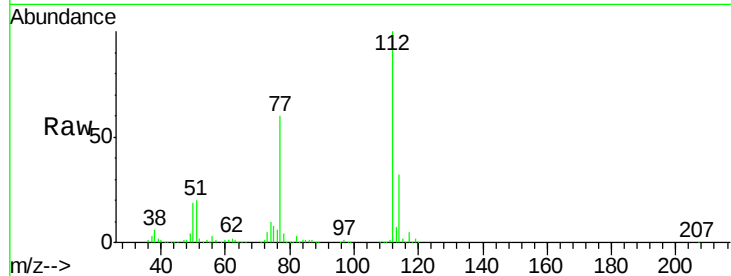
114 31.5 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

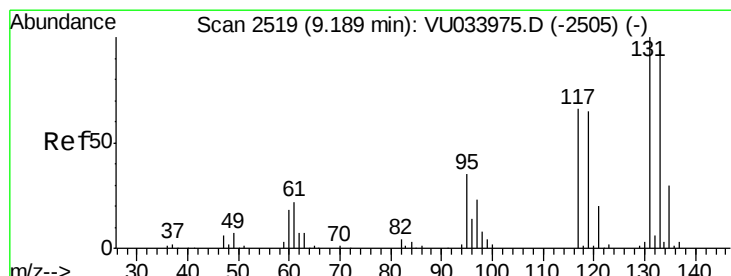
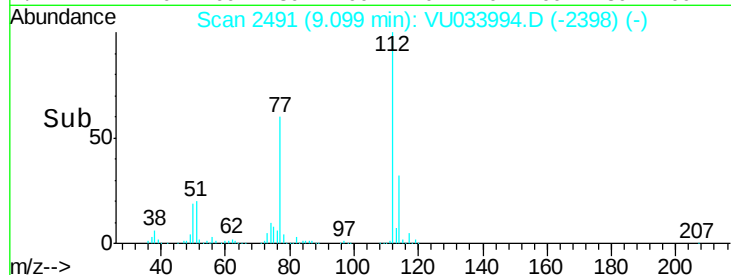
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.879 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

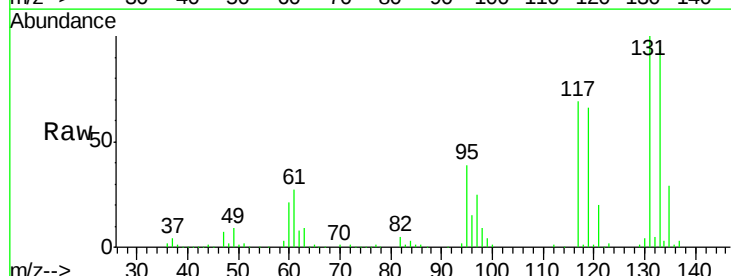
Tgt Ion:131 Resp: 221439

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

119 67.1 33.0 98.9



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

9.19

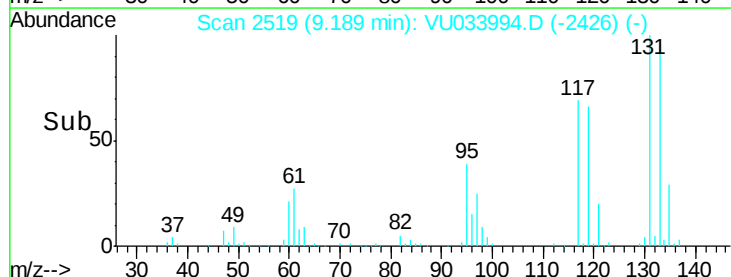
150000

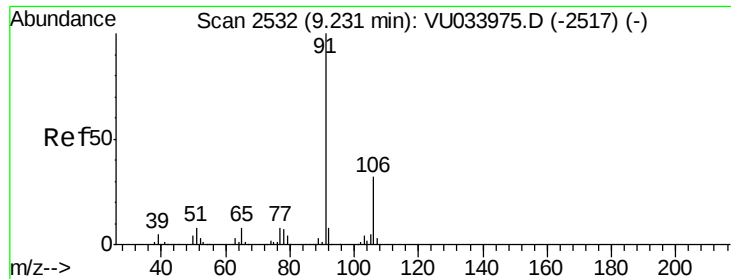
100000

50000

0

Time-->





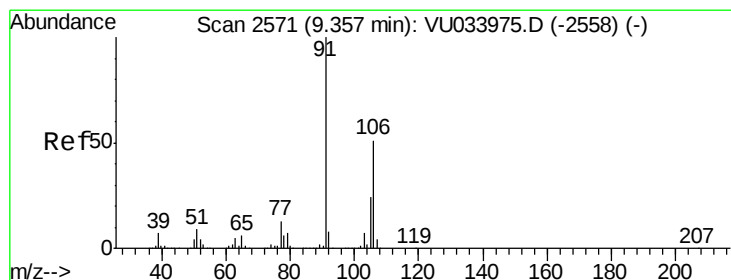
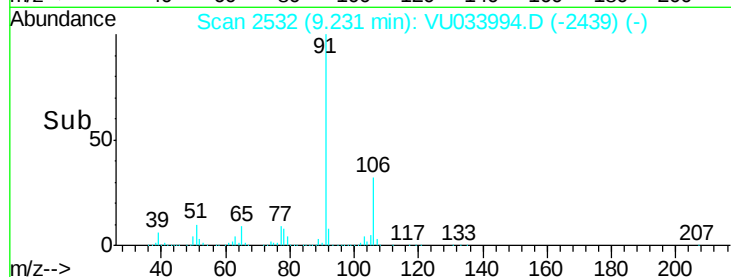
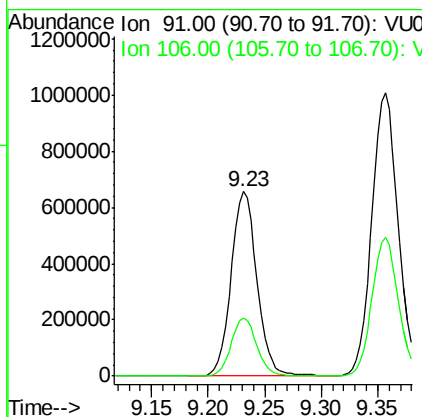
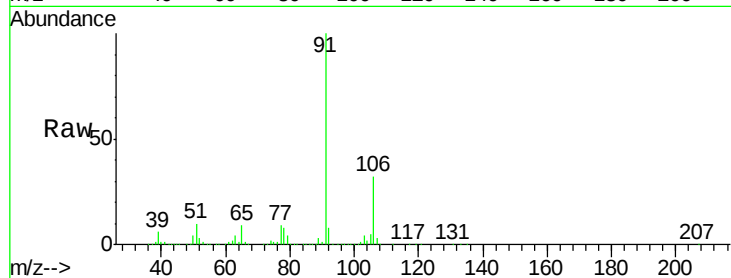
#67
Ethyl Benzene
Concen: 51.795 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1049360
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

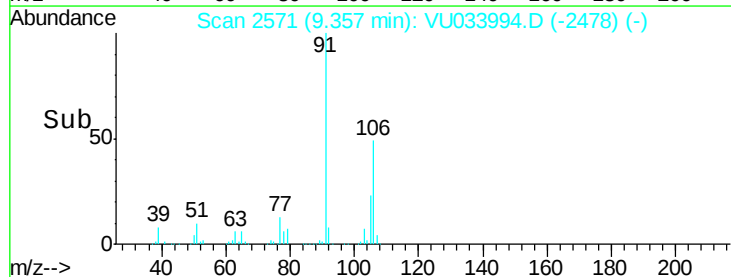
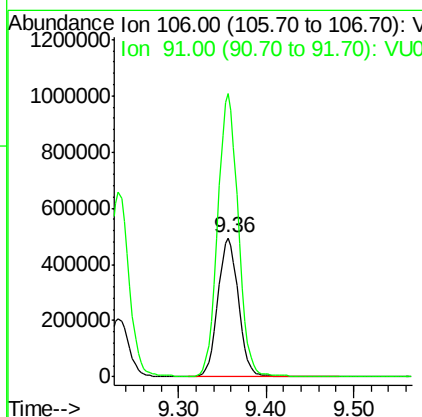
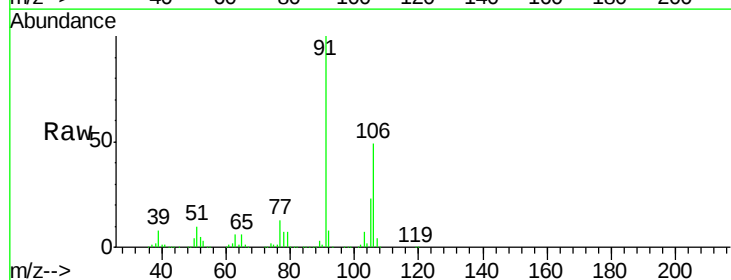
Manual Integrations
APPROVED

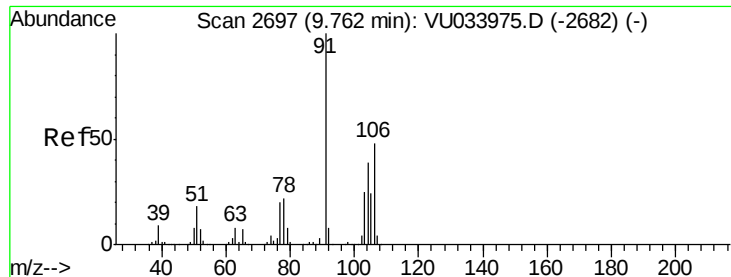
MMDadoda
8/28/2019 9:58:12 AM



#68
m/p-Xylenes
Concen: 103.473 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 106 Resp: 808486
Ion Ratio Lower Upper
106 100
91 203.0 158.4 237.6





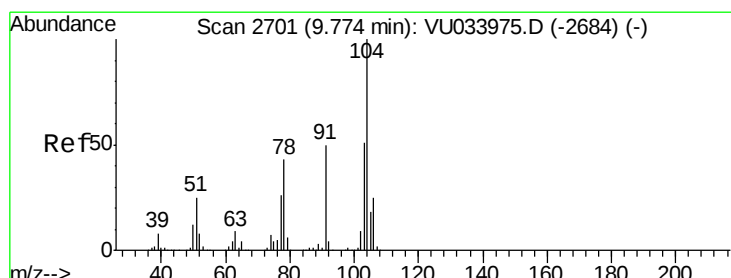
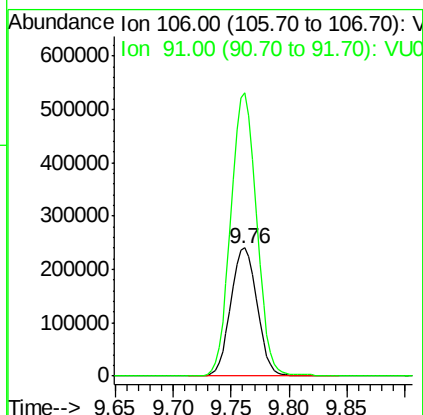
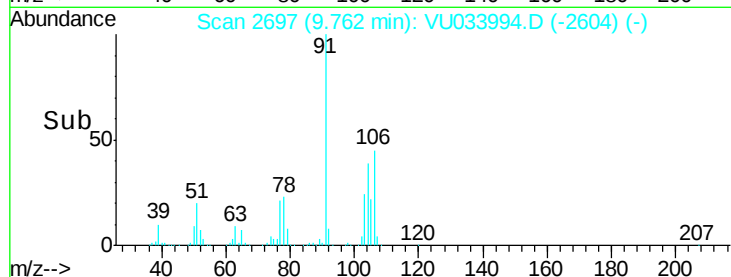
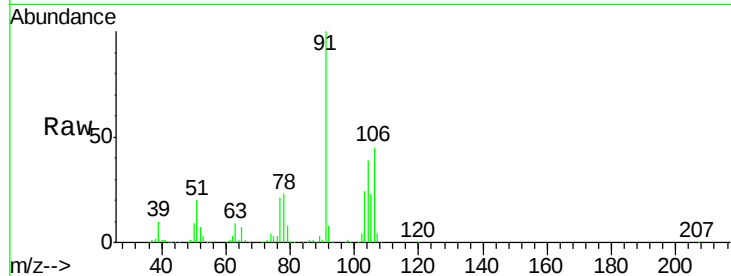
#69
o-Xylene
Concen: 50.830 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.0	104.5	313.3

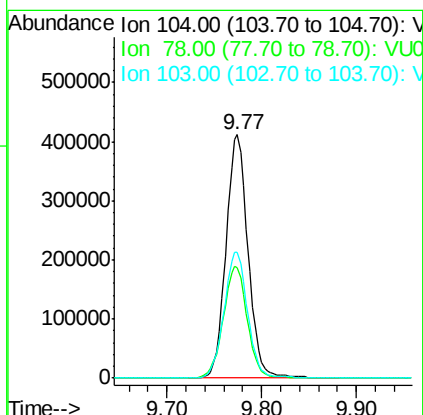
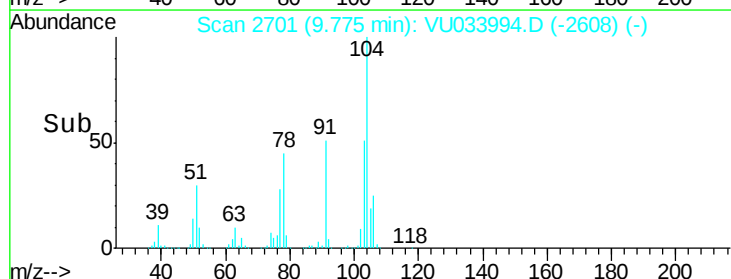
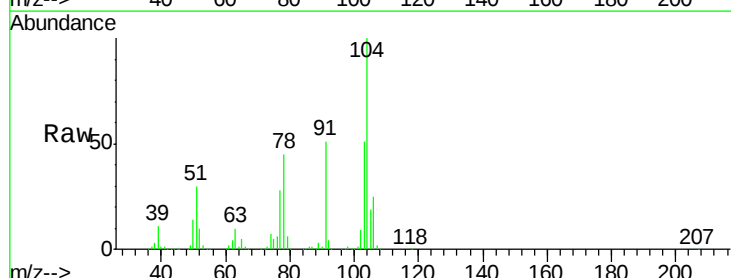
Manual Integrations
APPROVED

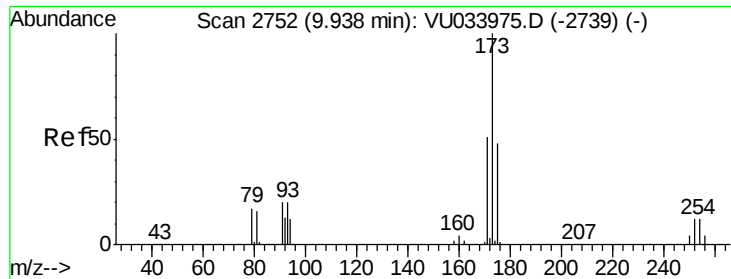
MMDadoda
8/28/2019 9:58:12 AM



#70
Styrene
Concen: 52.168 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	37.5	56.3
103	55.5	43.9	65.9





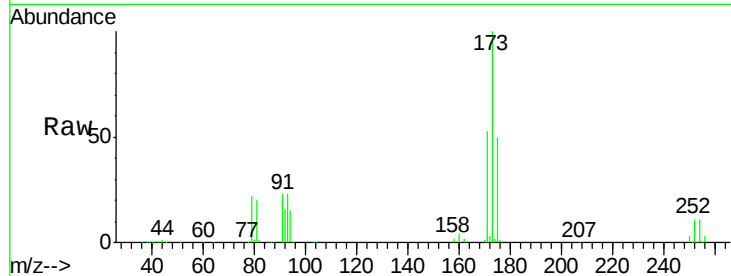
#71
Bromoform
Concen: 45.593 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

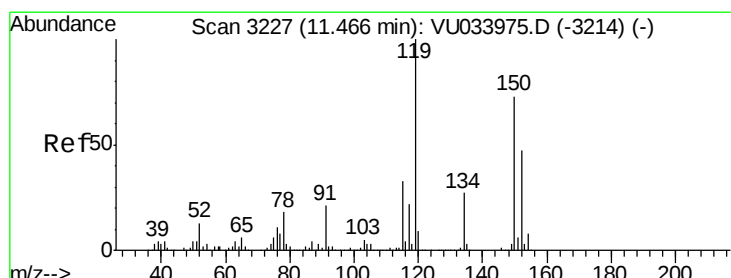
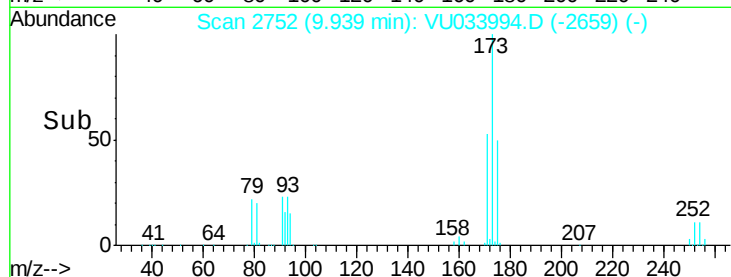
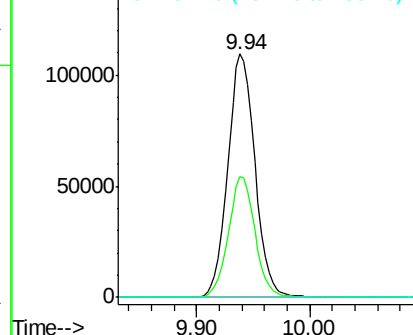
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.1	0.1	0.1

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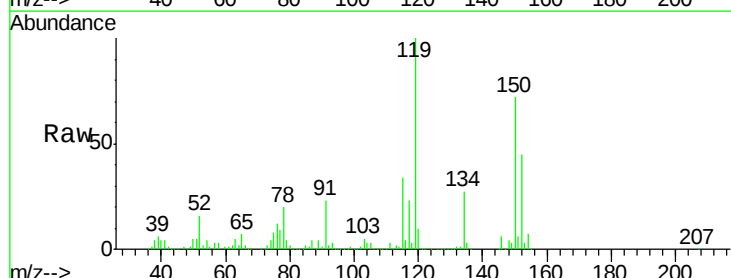


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

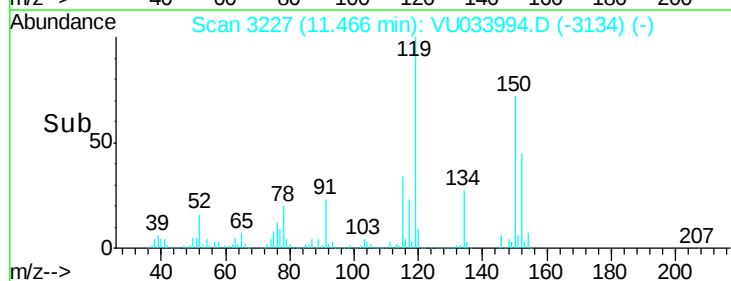
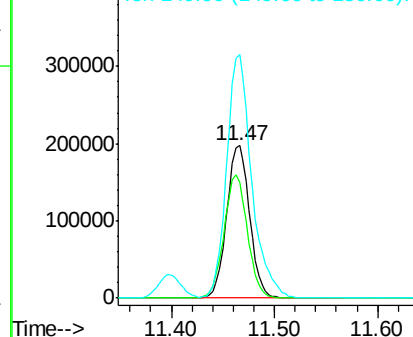


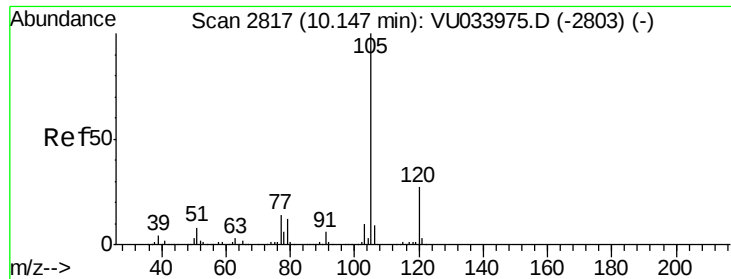
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.8	38.6	115.7
150	173.5	0.0	343.8



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





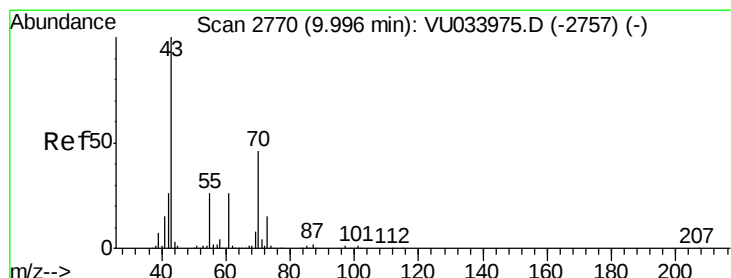
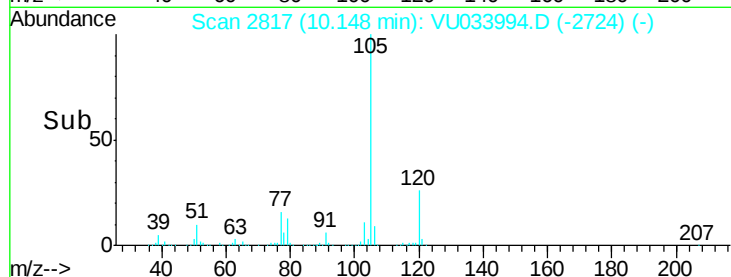
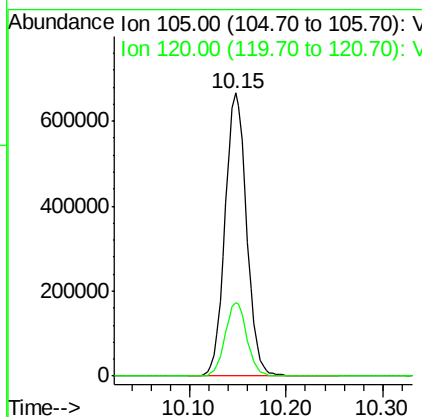
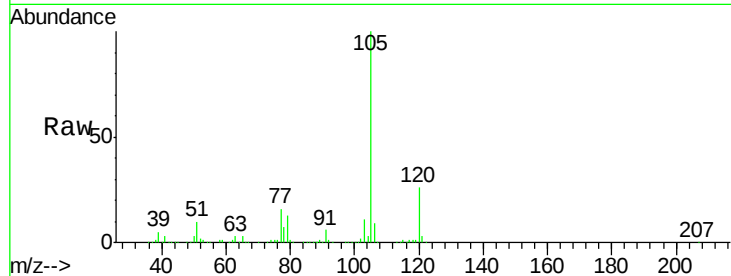
#73
Isopropylbenzene
Concen: 52.258 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1030456
Ion Ratio Lower Upper
105 100
120 26.2 13.5 40.5

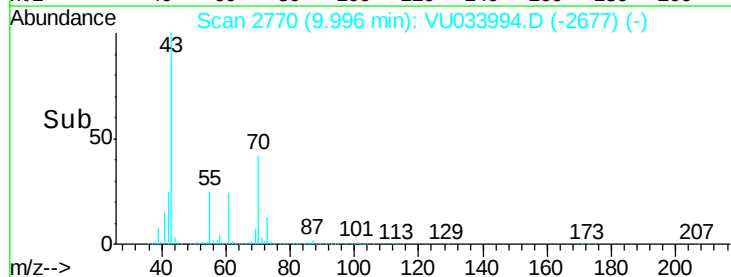
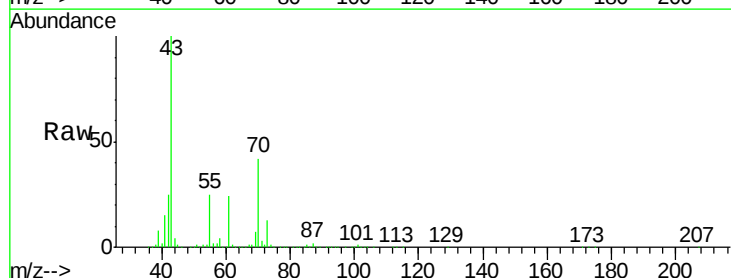
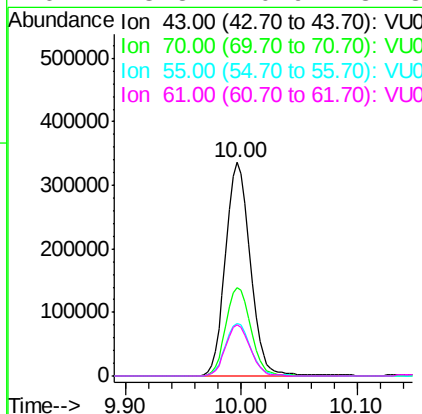
Manual Integrations
APPROVED

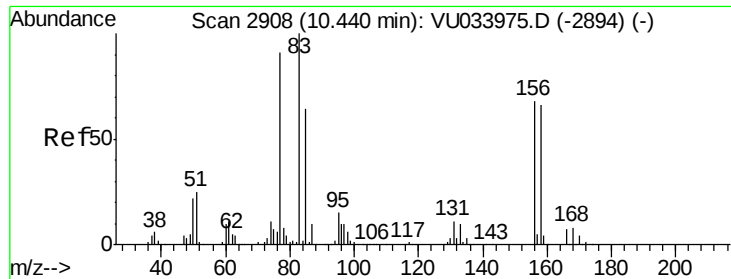
MMDadoda
8/28/2019 9:58:12 AM



#74
N-ethyl acetate
Concen: 67.041 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 43 Resp: 496233
Ion Ratio Lower Upper
43 100
70 41.9 37.4 56.0
55 25.3 21.0 31.4
61 23.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 55.393 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

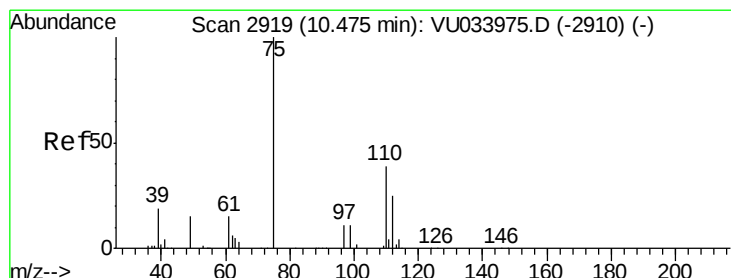
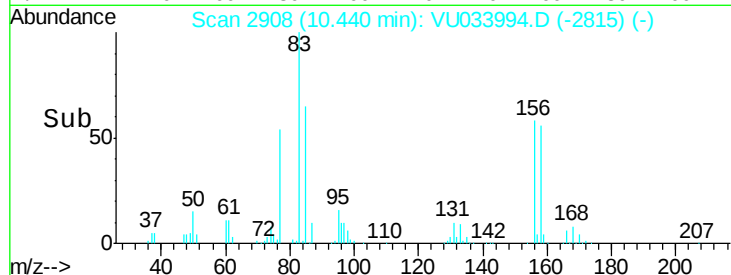
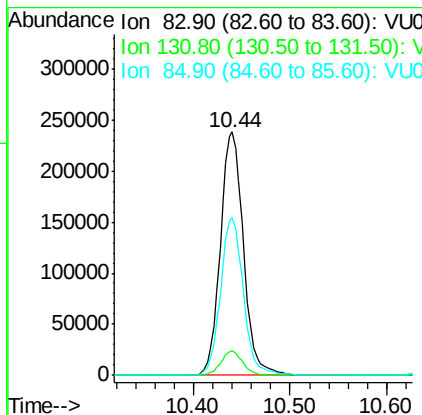
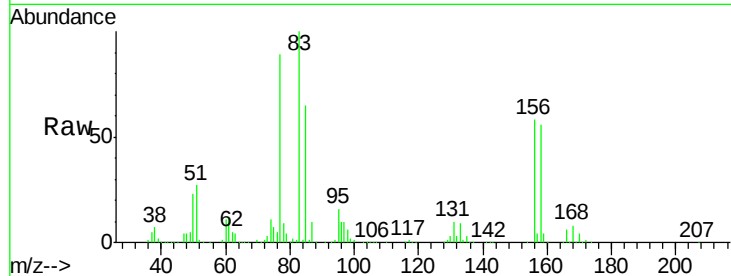
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	393409
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.3	16.1
85	64.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.443 ug/l m

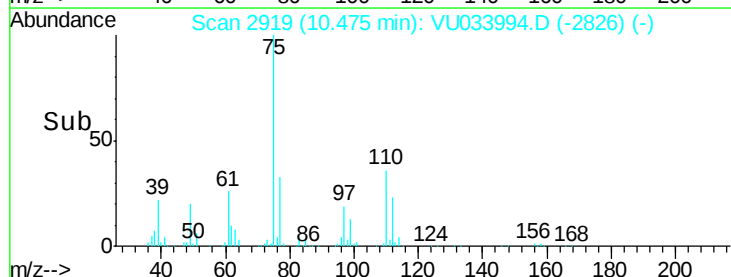
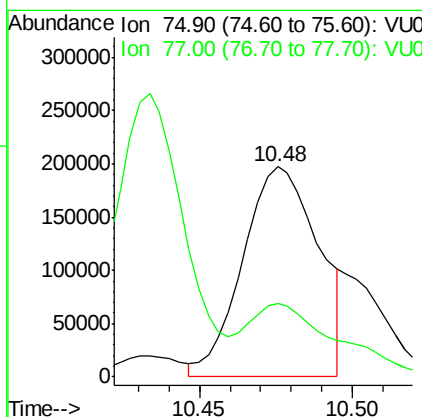
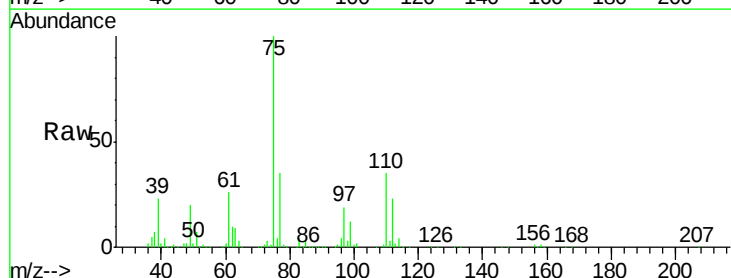
RT: 10.48 min Scan# 2919

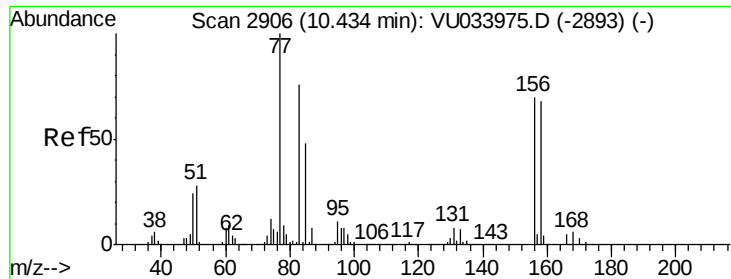
Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion:	75	Resp:	338461
Ion Ratio	Lower	Upper	
75	100		
77	42.5	21.0	63.0





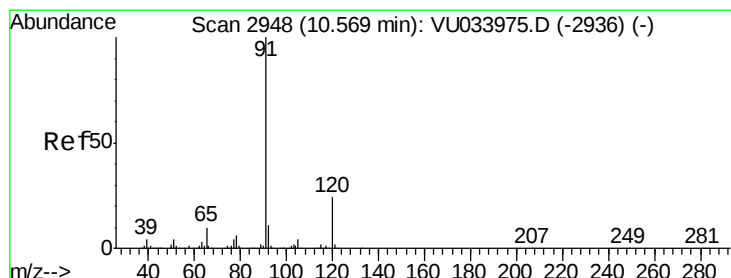
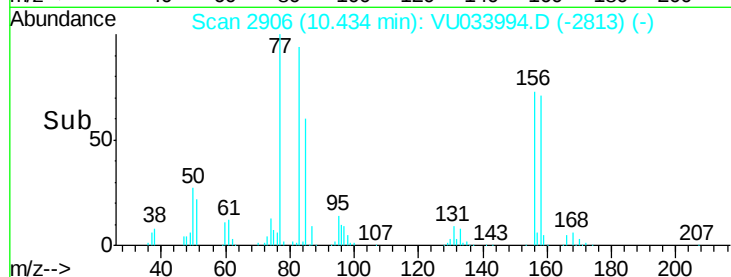
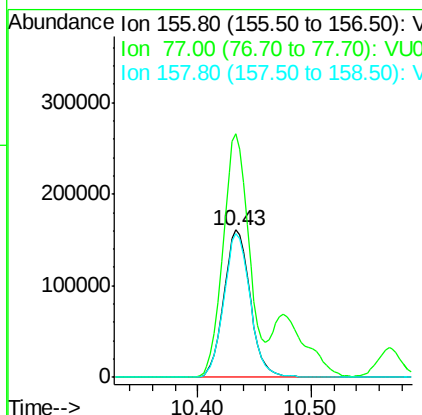
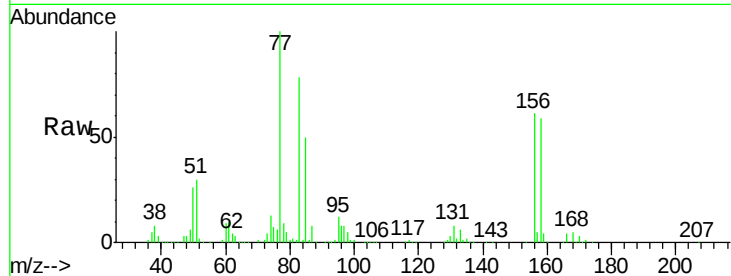
#77
Bromobenzene
Concen: 46.940 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	161.7	70.3	211.1	
158	97.1	48.3	144.8	

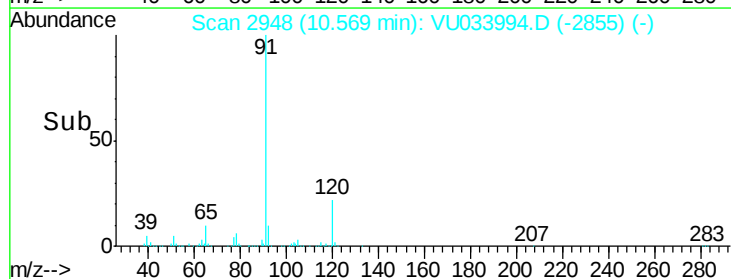
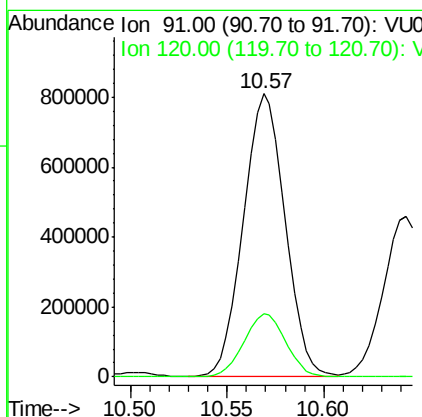
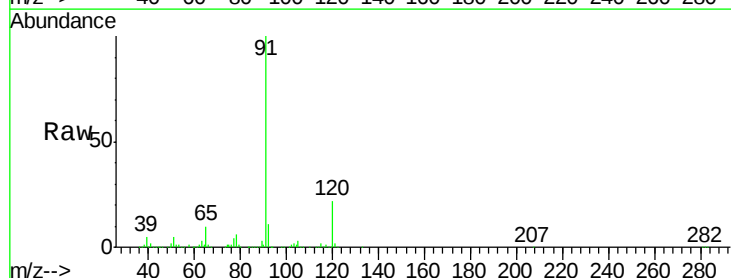
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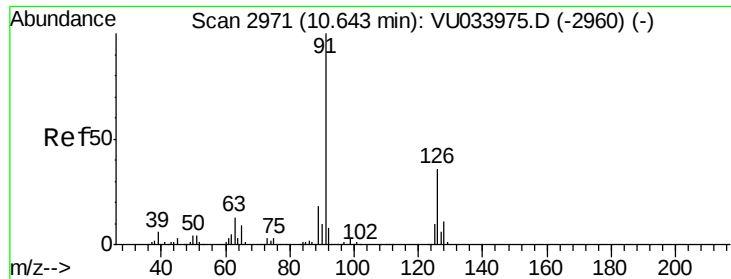
MMDadoda
8/28/2019 9:58:12 AM



#78
n-propylbenzene
Concen: 54.421 ug/l
RT: 10.57 min Scan# 2948
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.6	12.0	36.0	





#79

2-Chlorotoluene

Concen: 53.141 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 717052

Ion Ratio Lower Upper

91 100

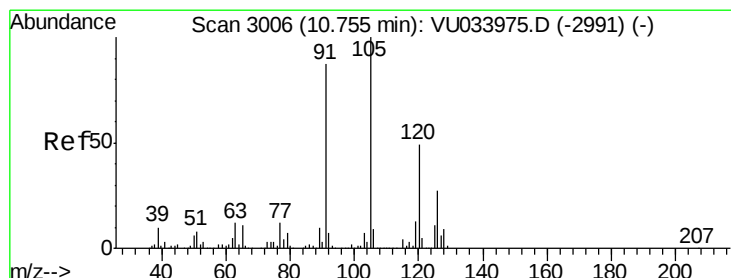
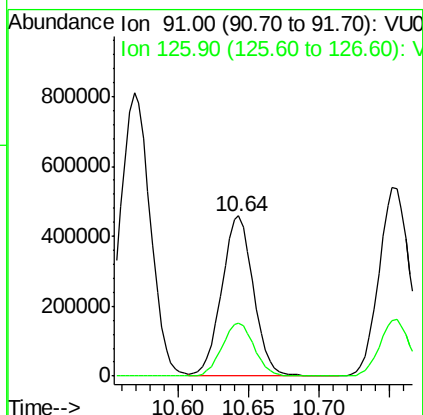
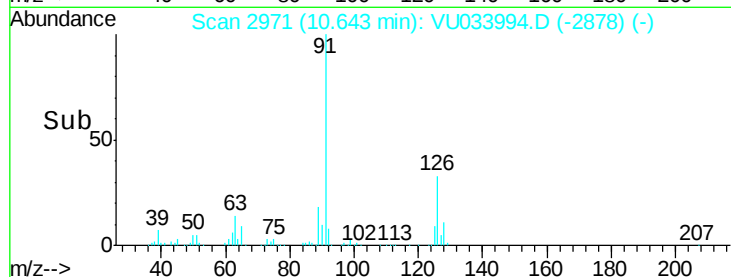
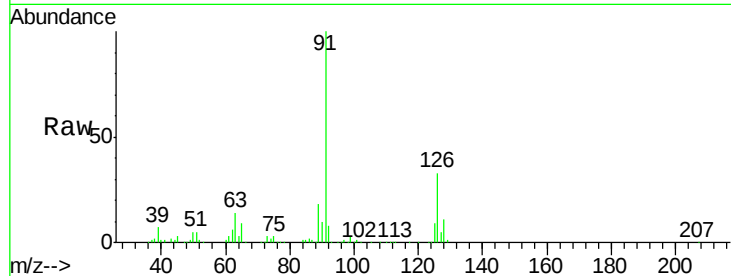
126 33.7 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.204 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033994.D

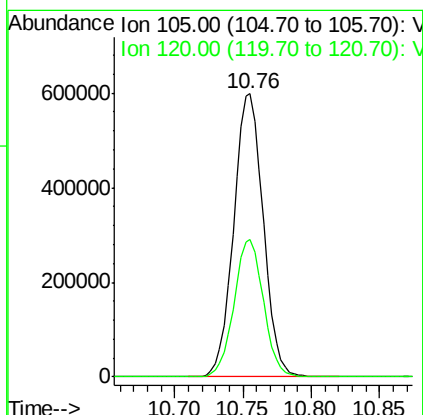
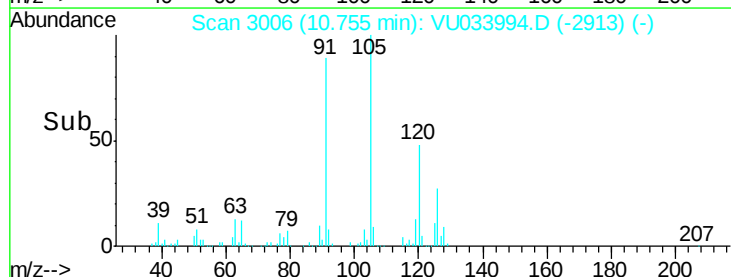
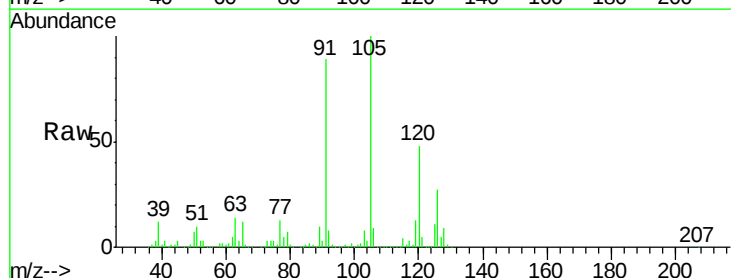
Acq: 27 Aug 2019 23:52

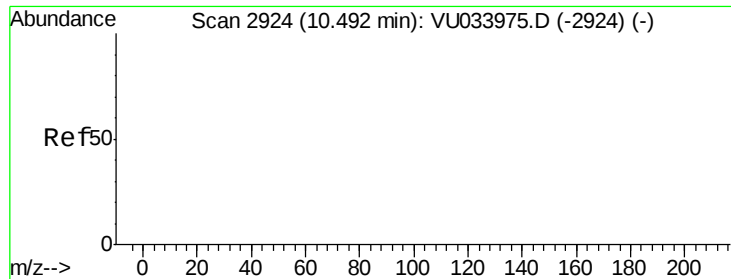
Tgt Ion: 105 Resp: 898517

Ion Ratio Lower Upper

105 100

120 48.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.726 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

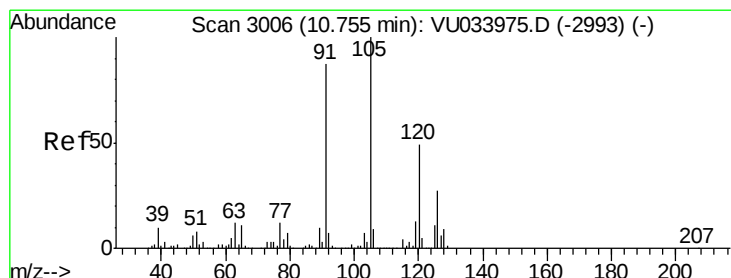
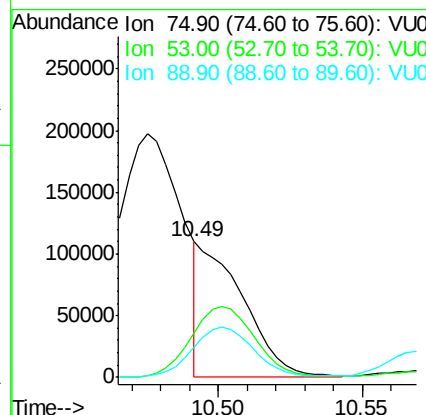
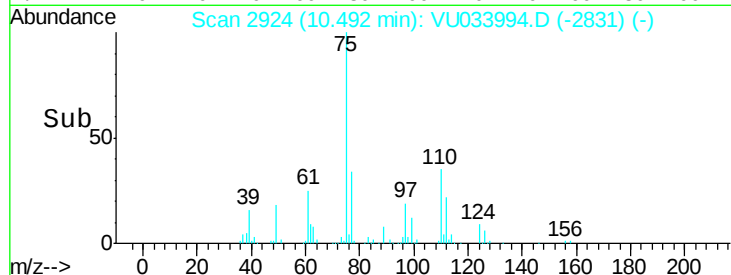
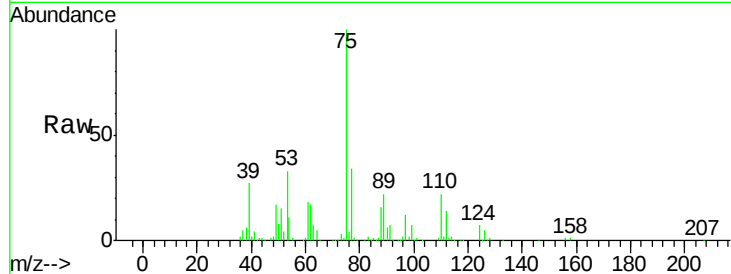
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

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#82

4-Chlorotoluene

Concen: 53.295 ug/l

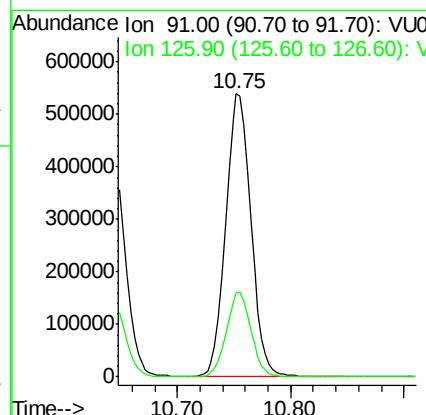
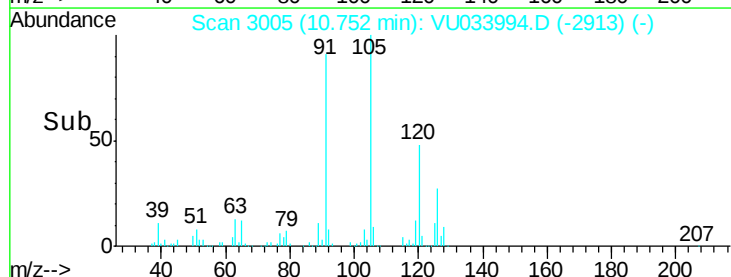
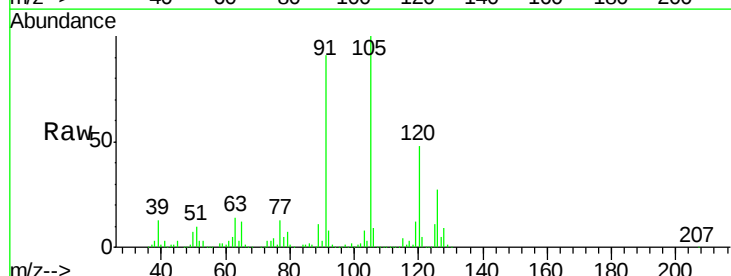
RT: 10.75 min Scan# 3005

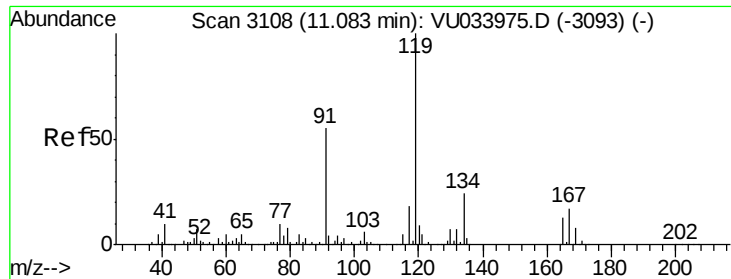
Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	29.3	15.4	46.4





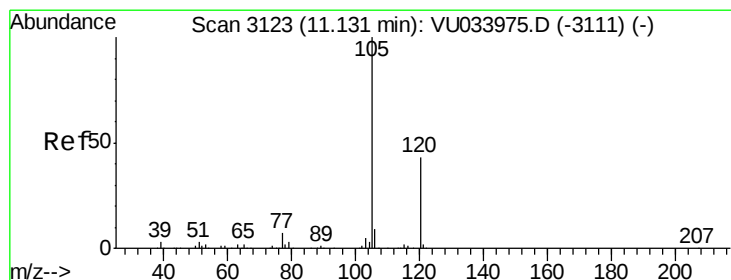
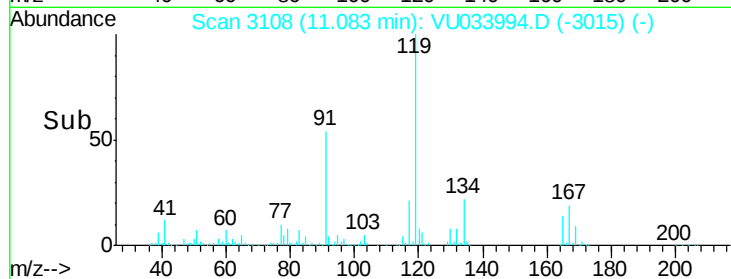
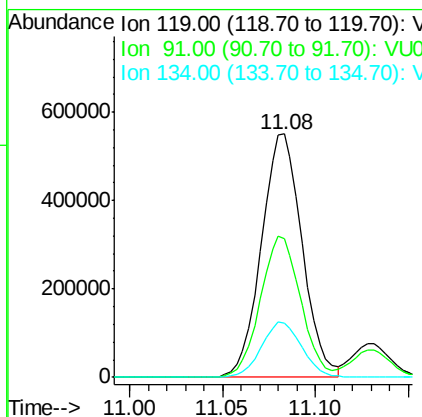
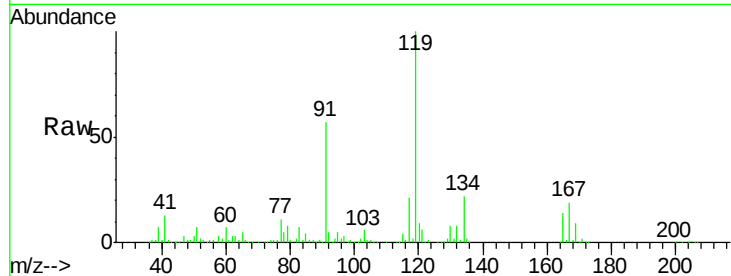
#83
 tert-Butylbenzene
 Concen: 51.627 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.6	82.8
134	22.4	11.6	34.7

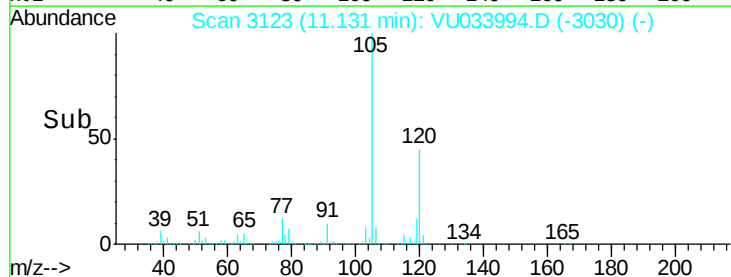
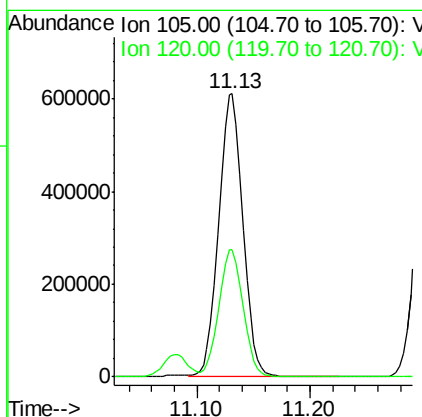
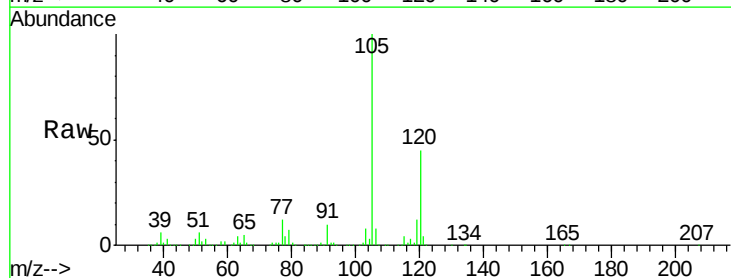
Manual Integrations
 APPROVED

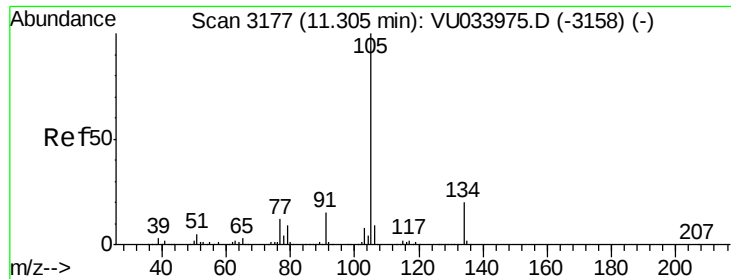
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.715 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.3	69.9





#85

sec-Butylbenzene

Concen: 52.490 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1027011

Ion Ratio Lower Upper

105 100

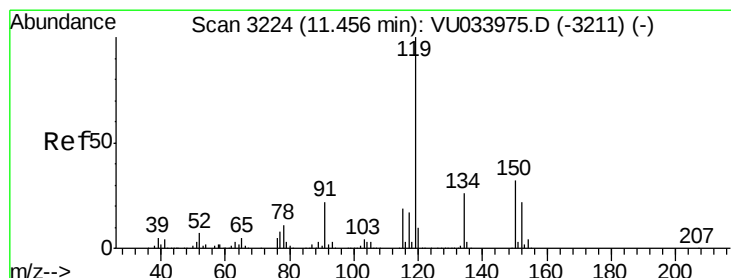
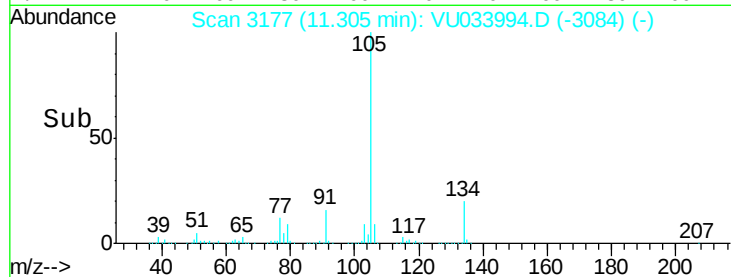
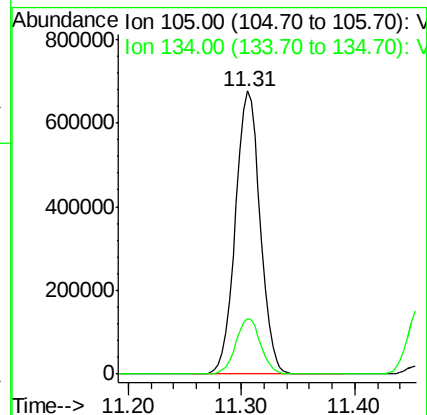
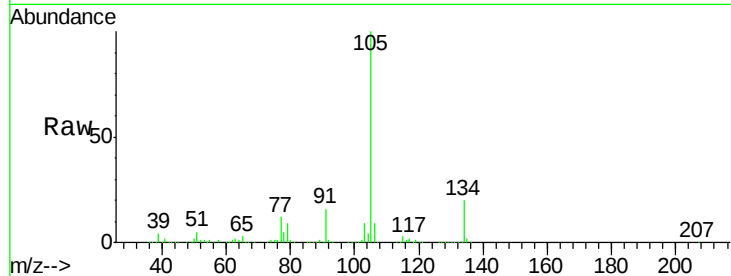
134 19.7 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.764 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

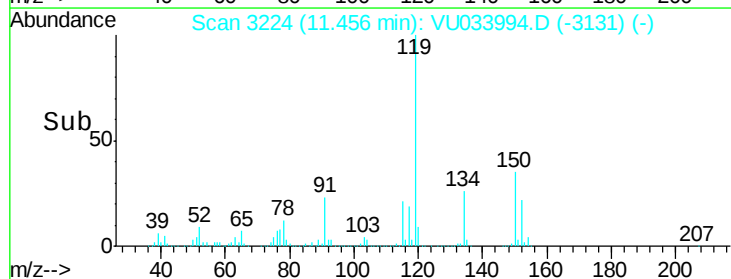
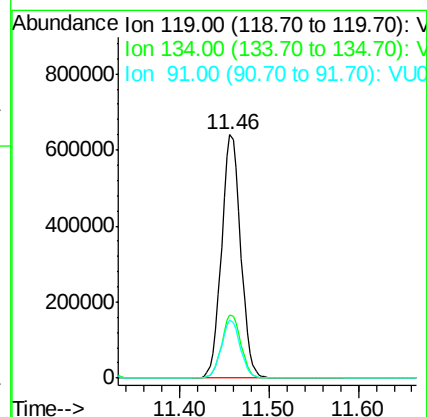
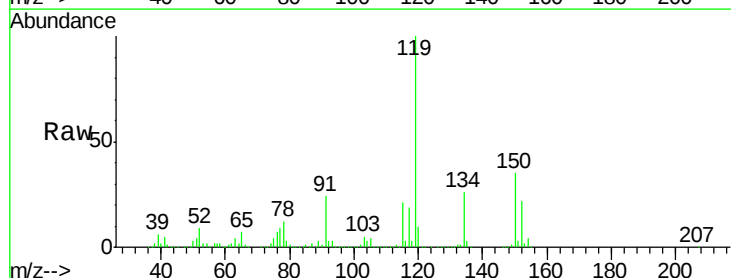
Tgt Ion:119 Resp: 947972

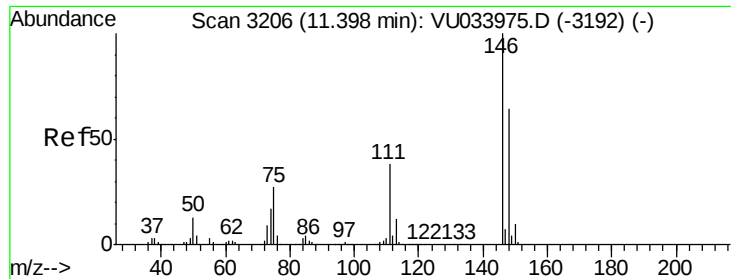
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.4 10.9 32.9





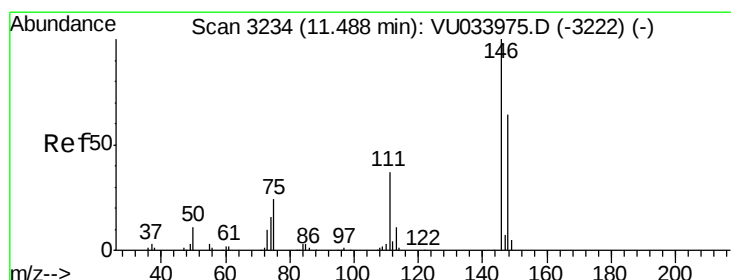
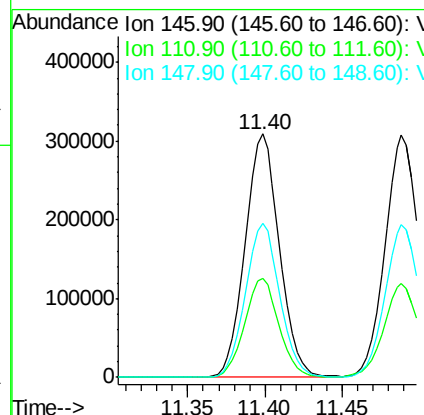
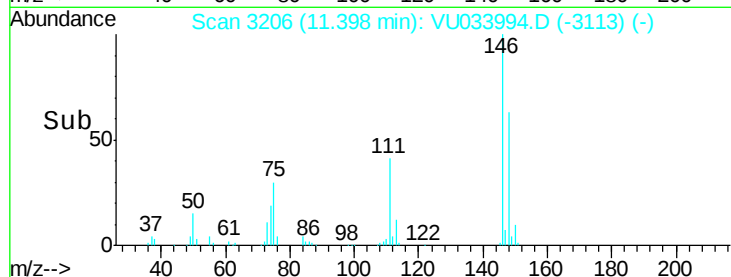
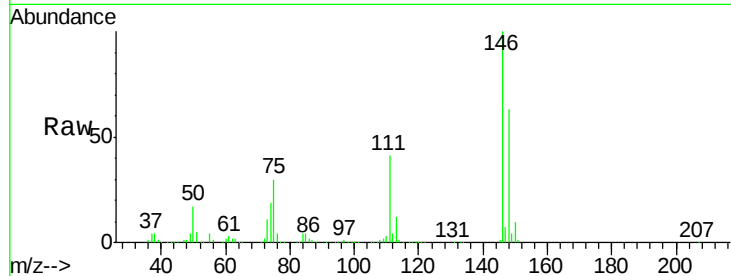
#87
 1,3-Dichlorobenzene
 Concen: 48.091 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.8	56.4
148	63.3	31.9	95.7

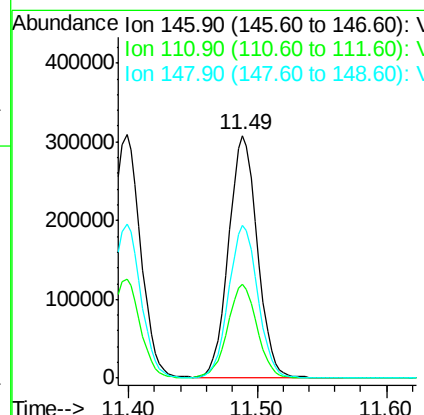
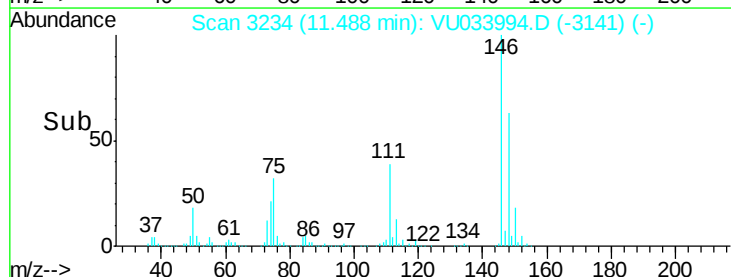
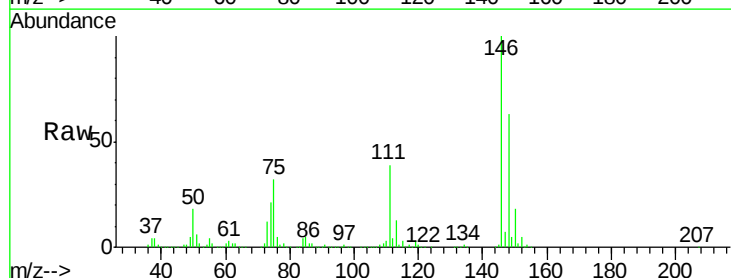
Manual Integrations
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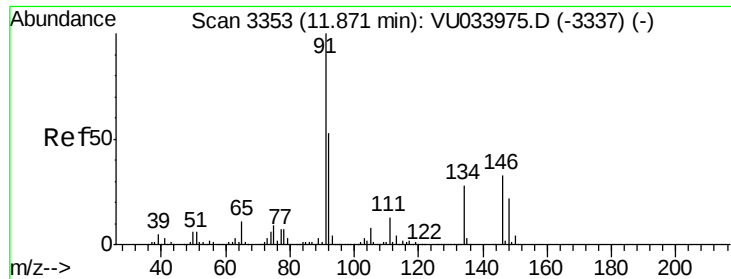
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#88
 1,4-Dichlorobenzene
 Concen: 47.604 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.4
148	64.1	31.9	95.7





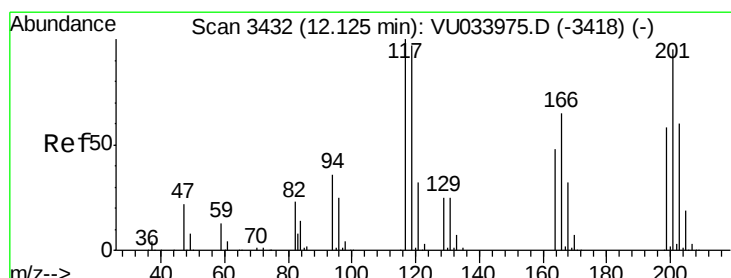
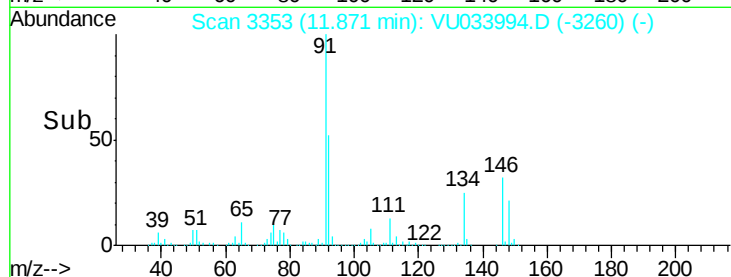
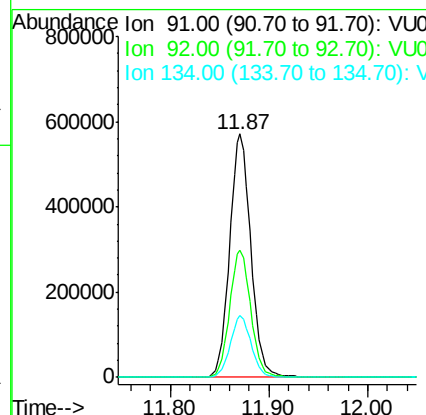
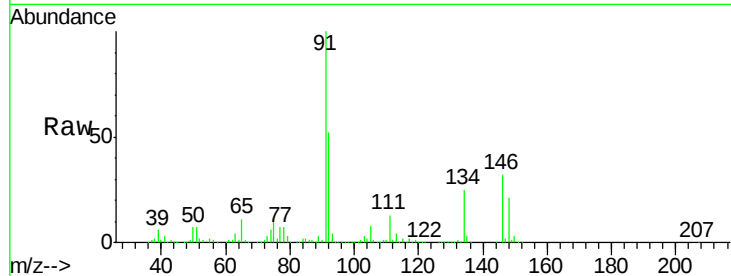
#89
n-Butylbenzene
Concen: 56.342 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.7	80.0
134	24.8	13.6	40.8

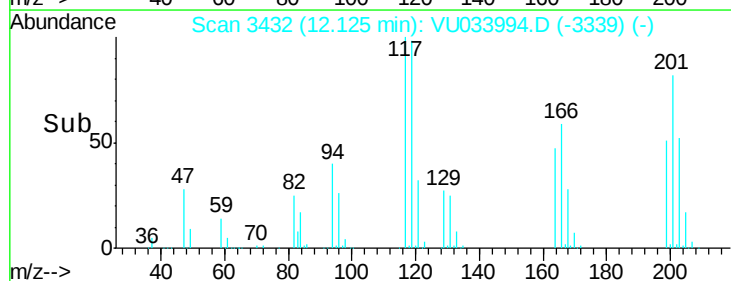
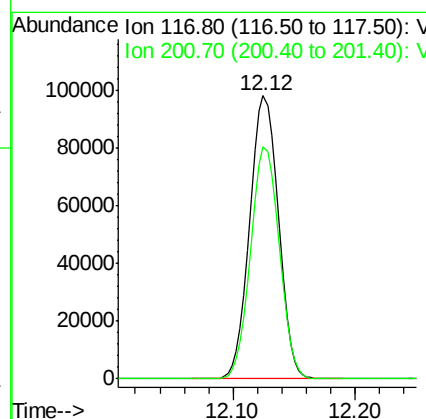
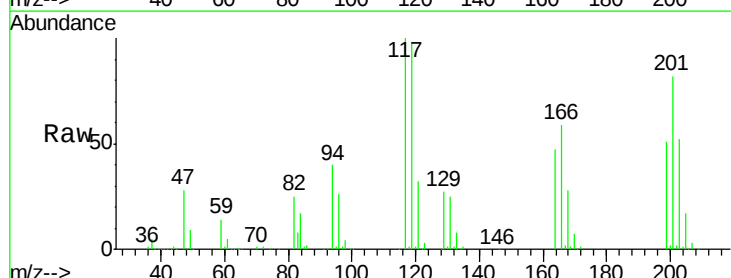
Manual Integrations
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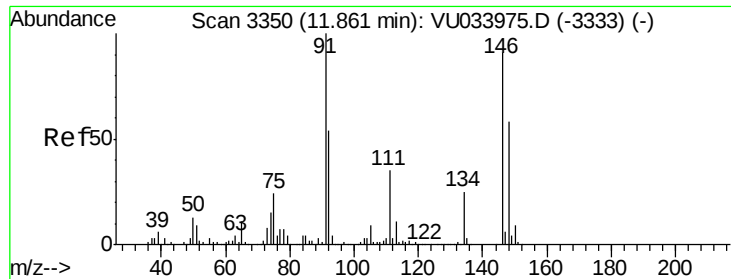
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#90
Hexachloroethane
Concen: 52.413 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	47.5	142.5





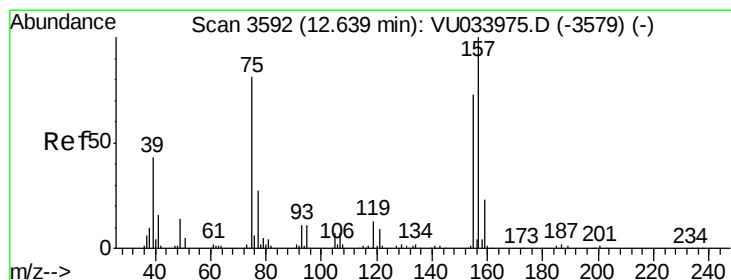
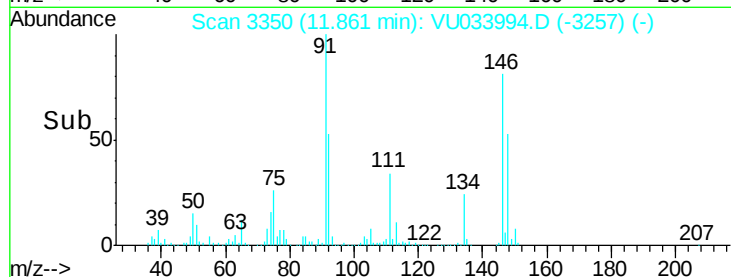
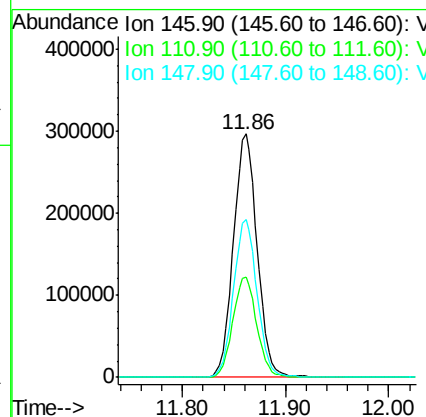
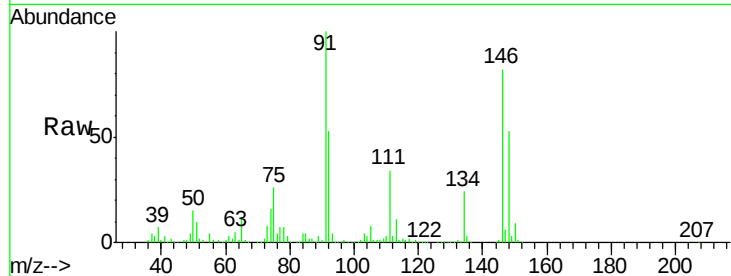
#91
 1,2-Dichlorobenzene
 Concen: 49.014 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.8	59.3
148	64.6	32.0	96.2

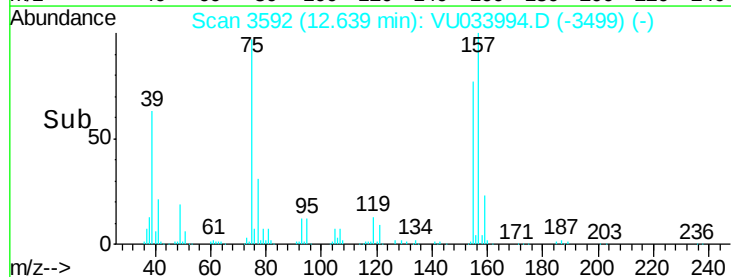
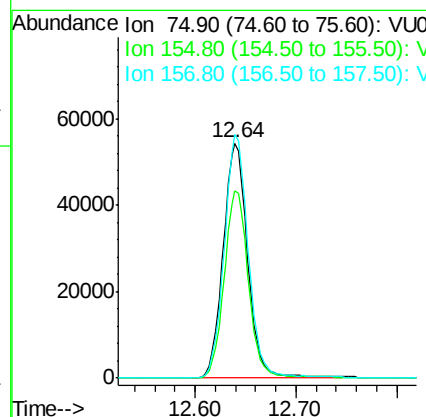
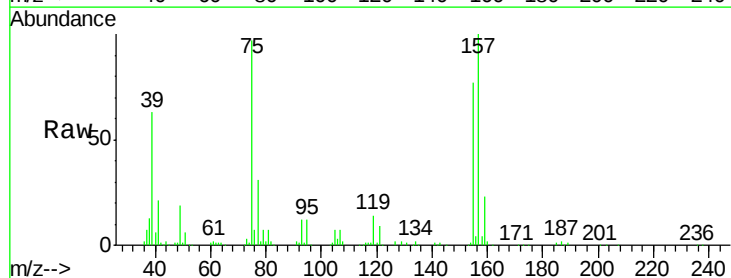
Manual Integrations
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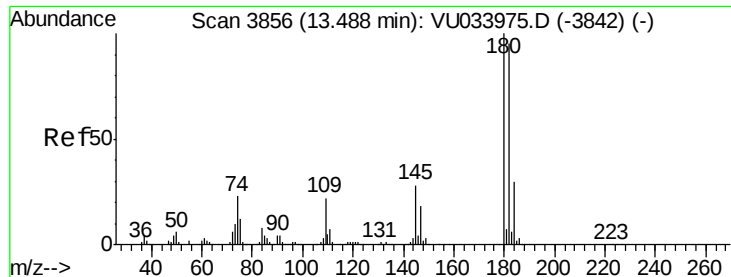
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.052 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	46.9	140.6
157	101.4	61.2	183.6





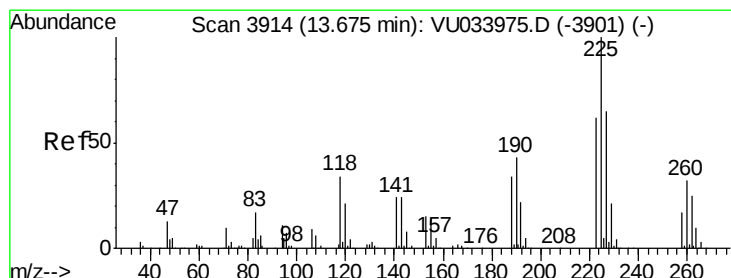
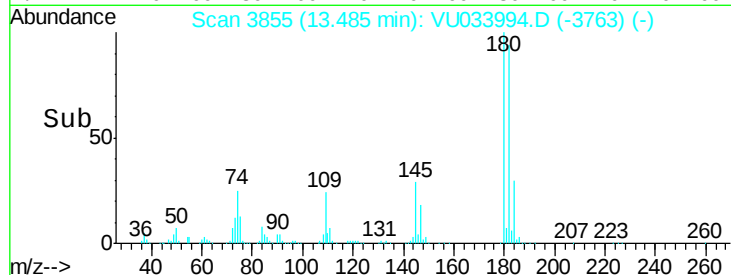
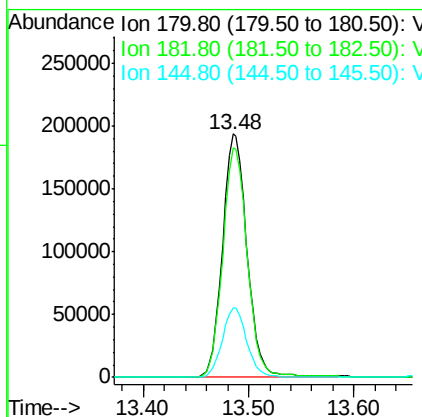
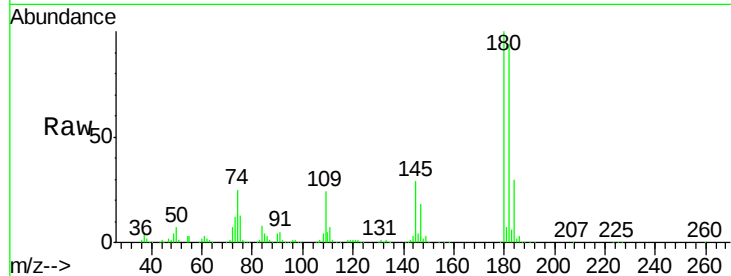
#93
 1,2,4-Trichlorobenzene
 Concen: 45.751 ug/l
 RT: 13.48 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	312059		
182	95.1	47.4	142.2	
145	28.5	14.4	43.2	

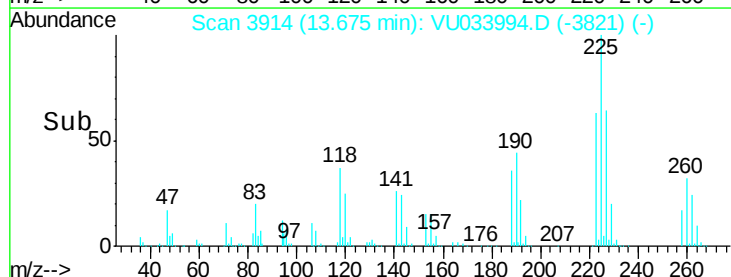
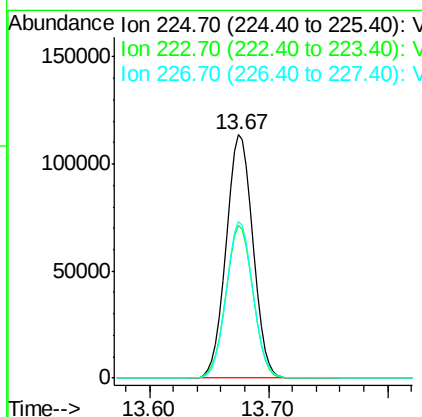
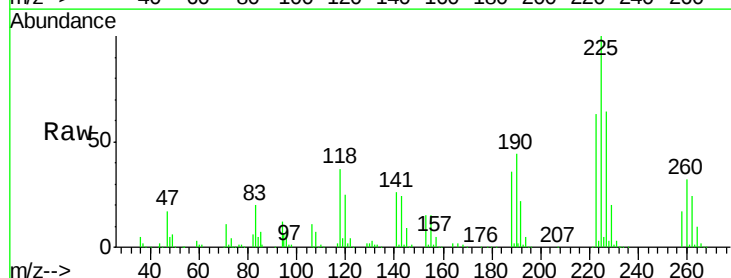
Manual Integrations
 APPROVED

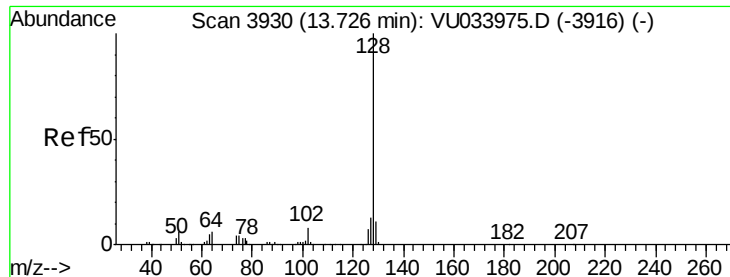
MMDadoda
 8/28/2019 9:58:12 AM



#94
 Hexachlorobutadiene
 Concen: 44.505 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	177535		
223	63.1	31.7	95.1	
227	63.9	33.0	99.0	





#95

Naphthalene

Concen: 50.618 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

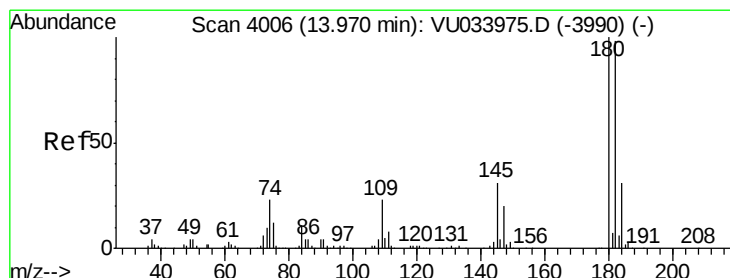
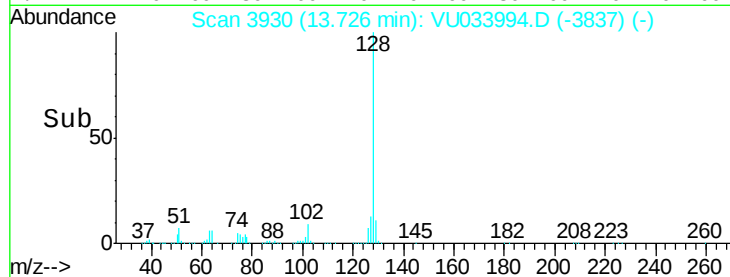
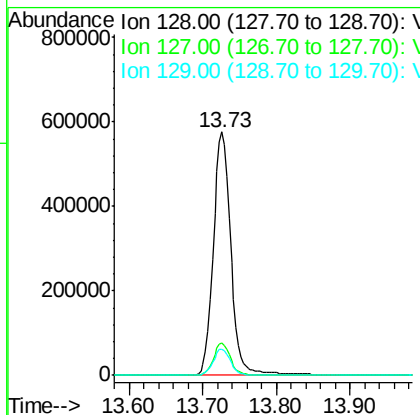
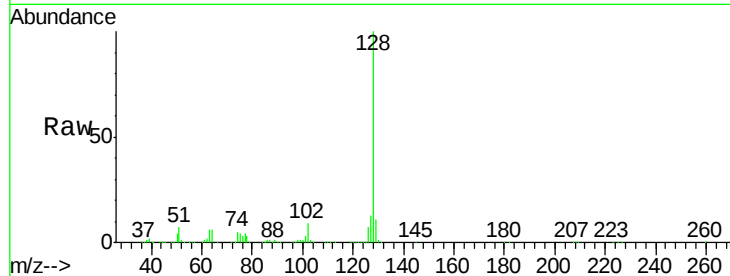
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	957818
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.4	8.5	12.7

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 54.275 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion:	180	Resp:	337466
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.4	145.3
145	31.3	15.1	45.3

