

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033973.D
 Acq On : 27 Aug 2019 15:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:41 AM

Quant Time: Aug 28 02:17:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 01:57:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	351478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	531828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	508287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	255618	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	21034	4.29	ug/l	0.00
Spiked Amount			Recovery	=	8.58%	
35) Dibromofluoromethane	4.86	113	19396	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
50) Toluene-d8	7.55	98	60661	4.39	ug/l	0.00
Spiked Amount			Recovery	=	8.78%	
62) 4-Bromofluorobenzene	10.29	95	26234	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	15504	3.891	ug/l	100
3) Chloromethane	1.32	50	20971	4.398	ug/l	100
4) Vinyl Chloride	1.40	62	17349	3.353	ug/l	90
5) Bromomethane	1.60	94	11172	3.942	ug/l	90
6) Chloroethane	1.68	64	10677	3.281	ug/l	94
7) Trichlorofluoromethane	1.87	101	23648	3.758	ug/l	100
8) Diethyl Ether	2.09	74	8678	3.254	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.27	101	15057	4.073	ug/l	99
10) Methyl Iodide	2.40	142	18625	4.521	ug/l	97
11) Tert butyl alcohol	2.82	59	30920	29.924	ug/l #	94
12) 1,1-Dichloroethene	2.27	96	16083	4.239	ug/l	97
13) Acrolein	2.18	56	9398	16.766	ug/l	95
14) Allyl chloride	2.58	41	28049	4.106	ug/l	99
15) Acrylonitrile	2.92	53	51036	19.317	ug/l	99
16) Acetone	2.31	43	48847	17.155	ug/l	97
17) Carbon Disulfide	2.46	76	49830	3.999	ug/l	100
18) Methyl Acetate	2.60	43	23557	3.702	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	51911	4.295	ug/l	99
20) Methylene Chloride	2.68	84	19989	4.264	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	17626	4.221	ug/l	93
22) Diisopropyl ether	3.55	45	51569	3.994	ug/l	90
23) Vinyl Acetate	3.50	43	204937	19.269	ug/l	100
24) 1,1-Dichloroethane	3.42	63	33200	4.146	ug/l	99
25) 2-Butanone	4.24	43	67717	18.429	ug/l	98
26) 2,2-Dichloropropane	4.20	77	27333	4.195	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	19916	4.433	ug/l	100
28) Bromochloromethane	4.52	49	15587	3.976	ug/l	98
29) Tetrahydrofuran	4.62	42	42362	19.128	ug/l	96
30) Chloroform	4.65	83	33611	4.206	ug/l	94
31) Cyclohexane	4.97	56	32825	4.689	ug/l #	89
32) 1,1,1-Trichloroethane	4.89	97	26852	4.094	ug/l	96
36) 1,1-Dichloropropene	5.12	75	23262	4.332	ug/l	98
37) Ethyl Acetate	4.37	43	22136	3.549	ug/l	99
38) Carbon Tetrachloride	5.11	117	25013	4.624	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	27319	4.565	ug/l	97
40) Benzene	5.37	78	73543	4.604	ug/l	96
41) Methacrylonitrile	4.53	41	11693	3.736	ug/l	94
42) 1,2-Dichloroethane	5.39	62	24949	4.274	ug/l	100
43) Isopropyl Acetate	5.53	43	36342	3.984	ug/l	97
44) Trichloroethene	6.17	130	21222	5.030	ug/l	100
45) 1,2-Dichloropropane	6.41	63	19574	4.444	ug/l	94
46) Dibromomethane	6.54	93	13047	4.565	ug/l	99
47) Bromodichloromethane	6.74	83	25311	4.414	ug/l	99
48) Methyl methacrylate	6.61	41	16341	3.986	ug/l	98
49) 1,4-Dioxane	6.60	88	8922	92.165	ug/l #	97
51) 4-Methyl-2-Pentanone	7.44	43	128433	20.786	ug/l	98
52) Toluene	7.62	92	46591	4.994	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	25770	4.339	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	28313	4.279	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	19903	4.865	ug/l	98
56) Ethyl methacrylate	8.01	69	25312	4.554	ug/l	99
57) 1,3-Dichloropropane	8.22	76	30210	4.271	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	39925	20.125	ug/l	98
59) 2-Hexanone	8.35	43	96947	20.575	ug/l	95
60) Dibromochloromethane	8.46	129	20910	4.842	ug/l	100
61) 1,2-Dibromoethane	8.57	107	20040	4.713	ug/l	100
64) Tetrachloroethene	8.21	164	20905	5.570	ug/l	98
65) Chlorobenzene	9.10	112	53124	5.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	19622	5.039	ug/l	99
67) Ethyl Benzene	9.23	91	84761	4.948	ug/l	99
68) m/p-Xylenes	9.36	106	63647	10.037	ug/l	99
69) o-Xylene	9.76	106	31463	5.187	ug/l	98
70) Styrene	9.78	104	50392	4.810	ug/l	99
71) Bromoform	9.94	173	16760	5.091	ug/l #	100
73) Isopropylbenzene	10.15	105	82678	5.246	ug/l	100
74) N-amyl acetate	10.00	43	29559	4.466	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	32130	4.869	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	27160m	4.675	ug/l	
77) Bromobenzene	10.44	156	24099	5.666	ug/l	99
78) n-propylbenzene	10.57	91	91251	4.895	ug/l	98
79) 2-Chlorotoluene	10.64	91	58383	5.220	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	68472	5.078	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	9521m	4.485	ug/l	
82) 4-Chlorotoluene	10.76	91	65441	4.986	ug/l	100
83) tert-Butylbenzene	11.08	119	67352	5.334	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	66634	5.086	ug/l	100
85) sec-Butylbenzene	11.31	105	80001	5.072	ug/l	99
86) p-Isopropyltoluene	11.46	119	74823	5.205	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	41333	5.156	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	40528	4.895	ug/l	93
89) n-Butylbenzene	11.87	91	57828	4.509	ug/l	97
90) Hexachloroethane	12.13	117	11757	4.251	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	39719	5.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	5597	4.125	ug/l	91

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ClientSampleId :
VSTDICC005

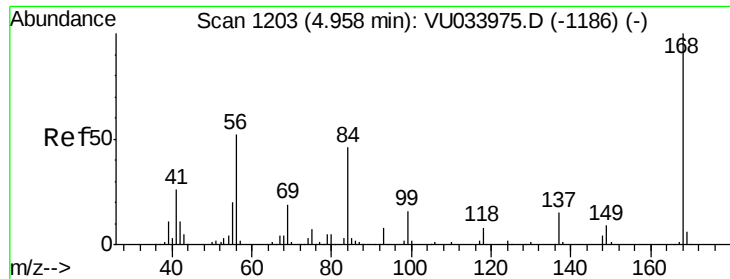
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Aug 28 01:57:39 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	19800m	4.264	ug/l	
94) Hexachlorobutadiene	13.68	225	15900	5.437	ug/l	97
95) Naphthalene	13.74	128	43972	3.461	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	21610m	4.630	ug/l	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 351478

Ion Ratio Lower Upper

168 100

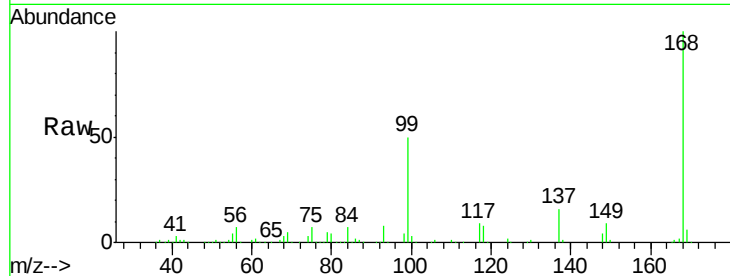
99 49.7 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033973.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033973.D (-1186) (-)

4.96

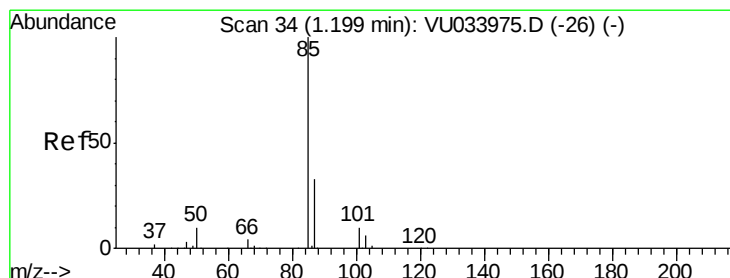
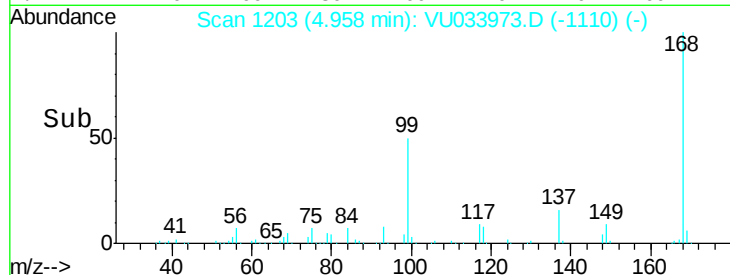
150000

100000

50000

0

Time--> 4.85 4.90 4.95 5.00 5.05



#2

Dichlorodifluoromethane

Concen: 3.891 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033973.D

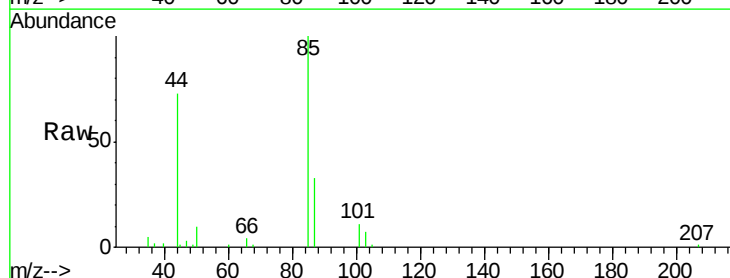
Acq: 27 Aug 2019 15:07

Tgt Ion: 85 Resp: 15504

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033973.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033973.D (-1) (-)

1.20

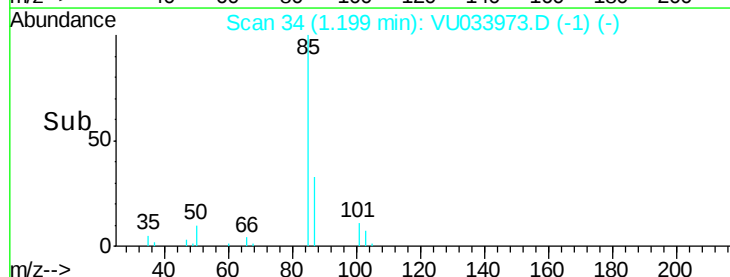
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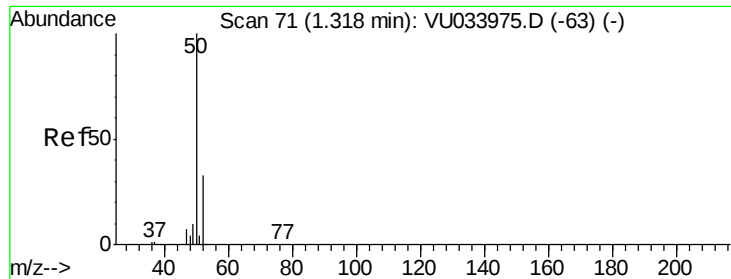
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 4.398 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20971

Ion Ratio Lower Upper

50 100

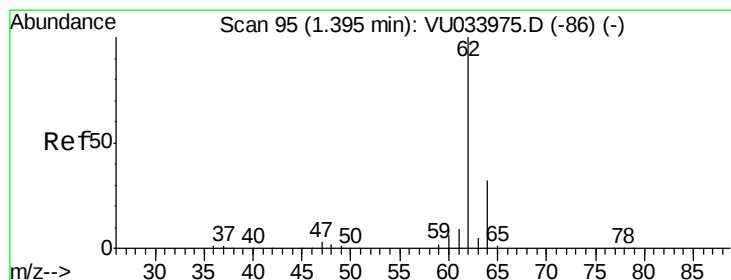
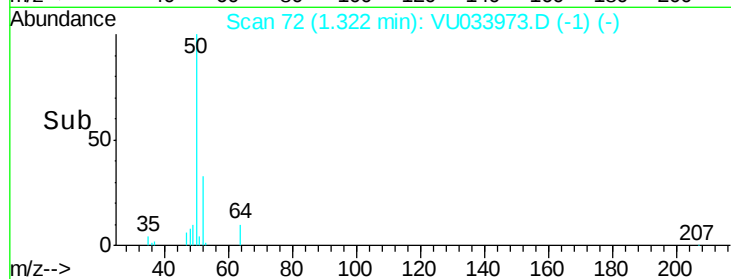
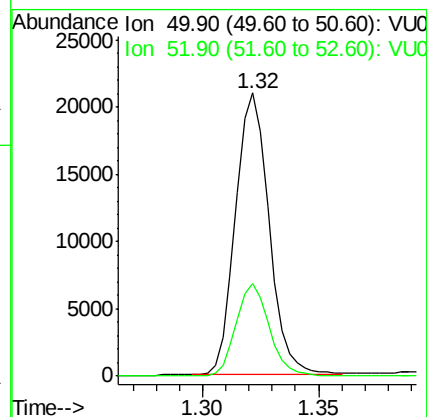
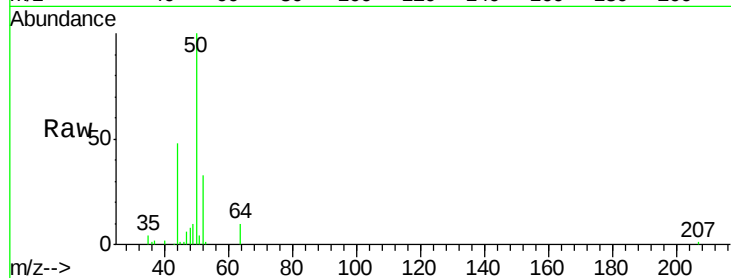
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 3.353 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033973.D

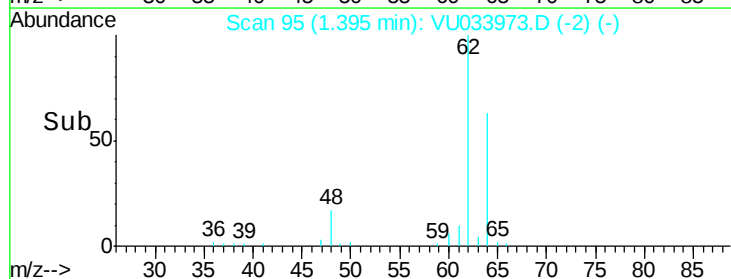
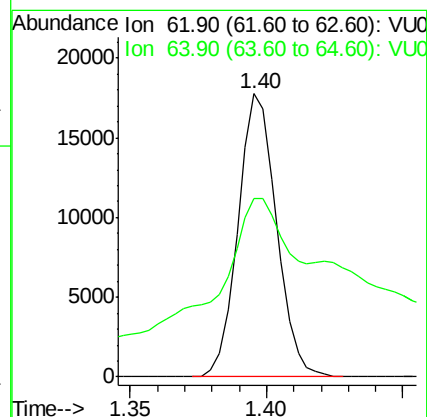
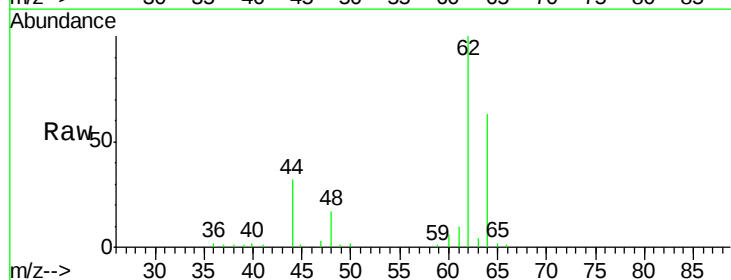
Acq: 27 Aug 2019 15:07

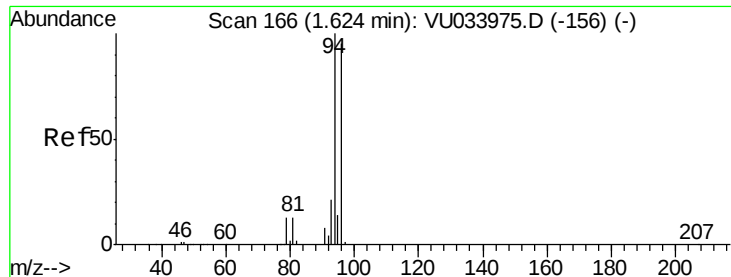
Tgt Ion: 62 Resp: 17349

Ion Ratio Lower Upper

62 100

64 37.8 25.9 38.9





#5

Bromomethane

Concen: 3.942 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.03 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11172

Ion Ratio Lower Upper

94 100

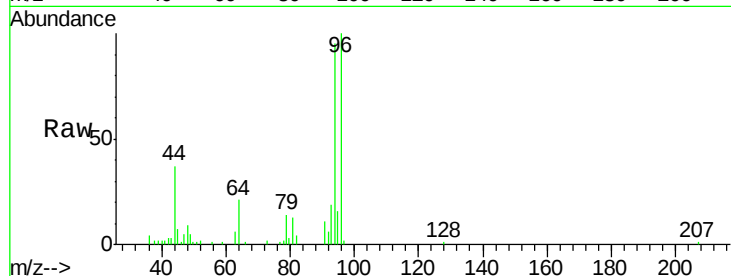
96 105.0 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU033973.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033973.D (-156) (-)

12000

10000

8000

6000

4000

2000

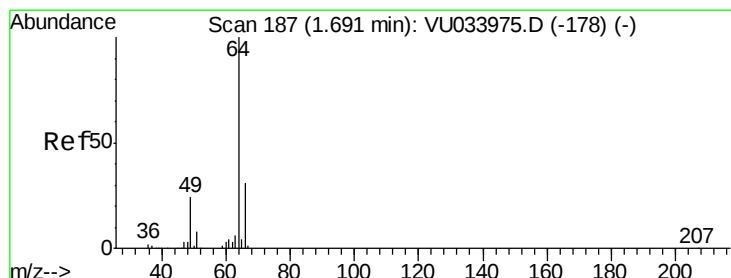
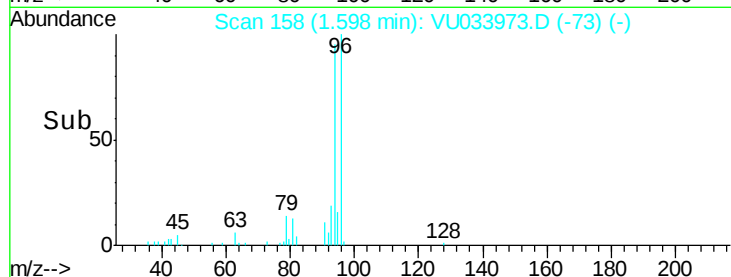
0

1.55

1.60

1.65

Time-->



#6

Chloroethane

Concen: 3.281 ug/l

RT: 1.68 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU033973.D

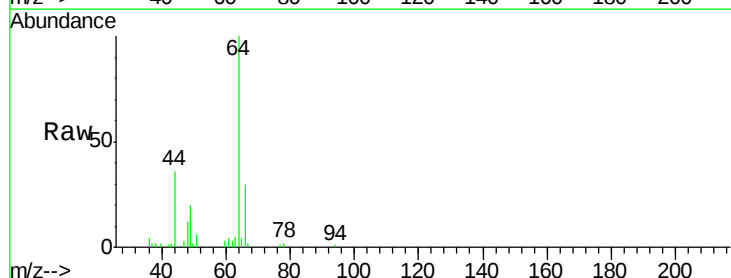
Acq: 27 Aug 2019 15:07

Tgt Ion: 64 Resp: 10677

Ion Ratio Lower Upper

64 100

66 34.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU033973.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033973.D (-178) (-)

12000

10000

8000

6000

4000

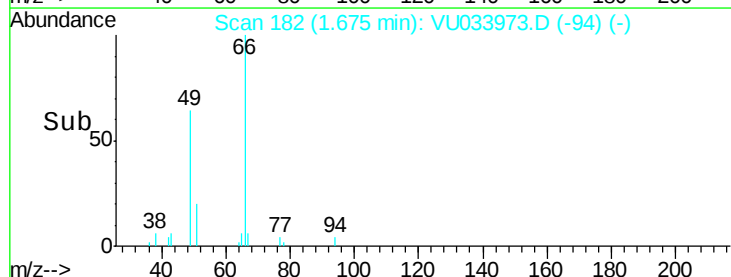
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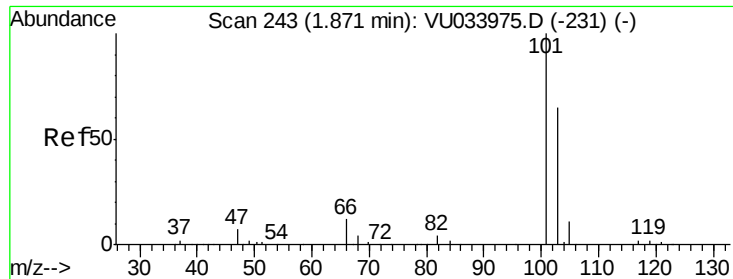
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1.65

1.70

Time-->





#7

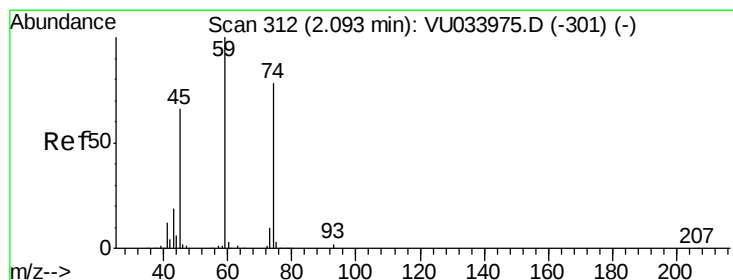
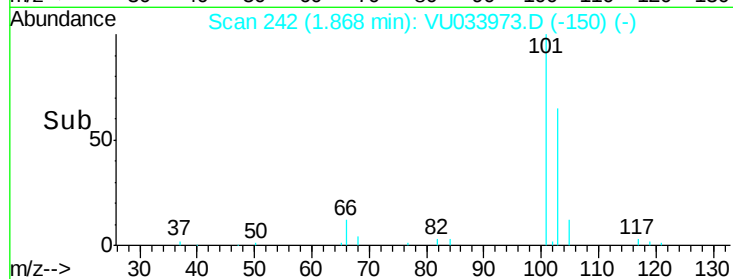
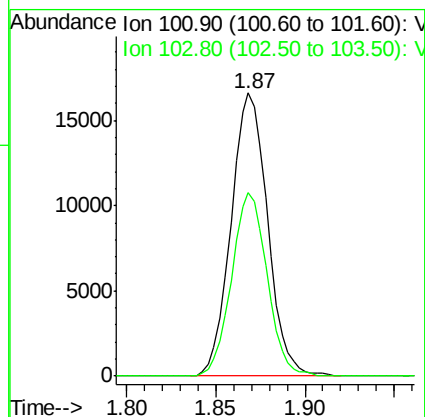
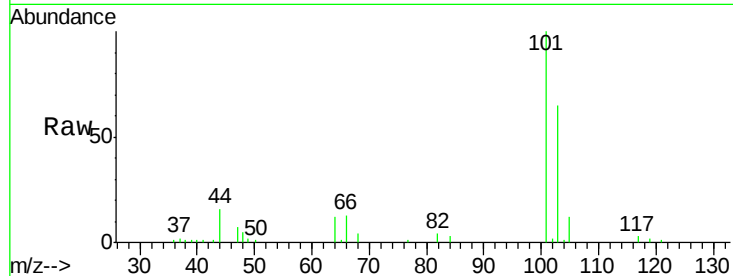
Trichlorofluoromethane
 Concen: 3.758 ug/l
 RT: 1.87 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.0	78.0

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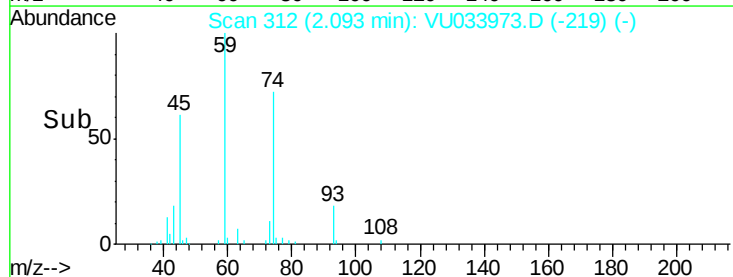
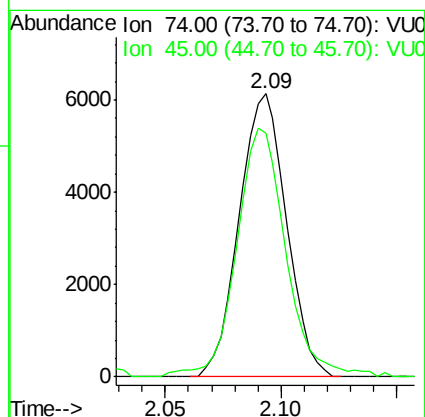
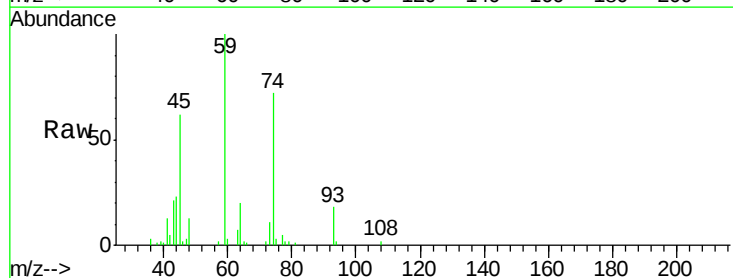
MMDadoda
 8/28/2019 9:57:41 AM

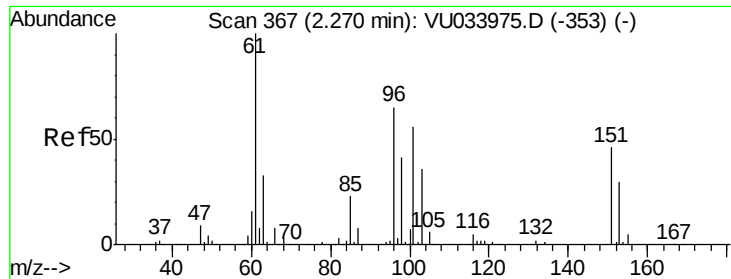


#8

Diethyl Ether
 Concen: 3.254 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	42.8	128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.073 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

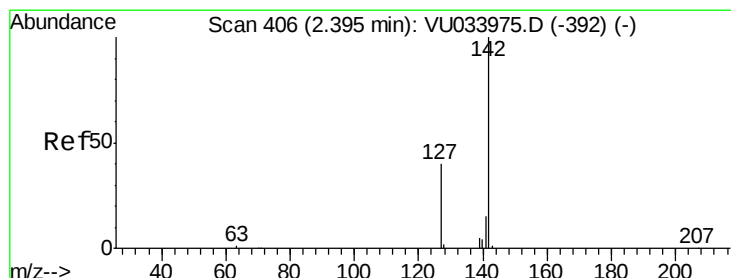
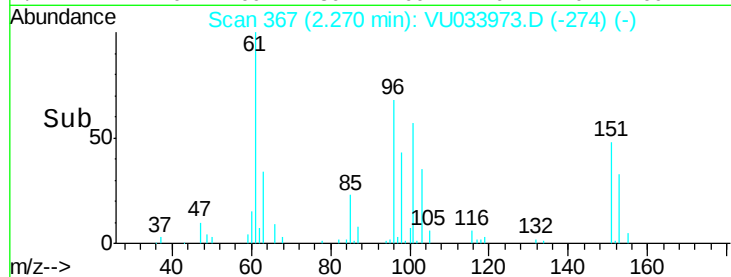
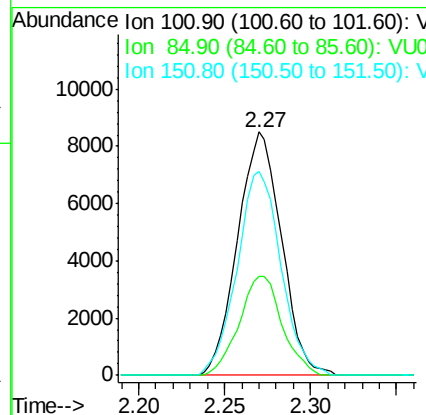
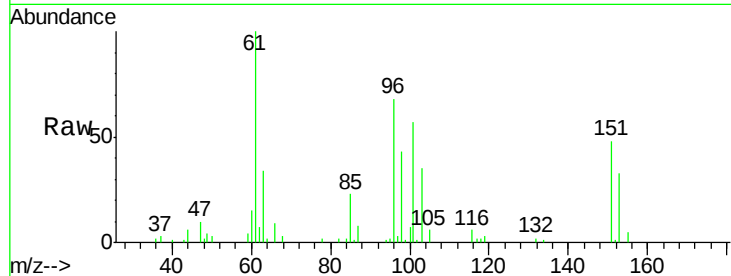
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15057
Ion Ratio	Lower	Upper	
101	100		
85	39.9	33.4	50.0
151	83.9	67.6	101.4

Manual Integrations
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#10

Methyl Iodide

Concen: 4.521 ug/l

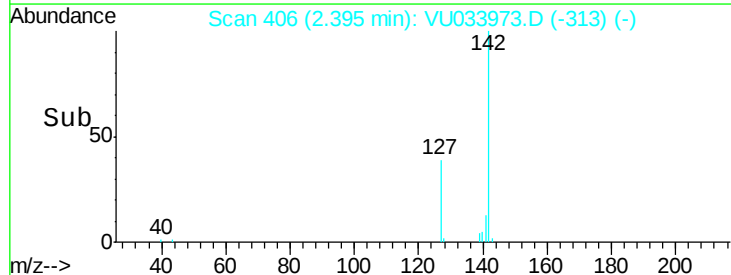
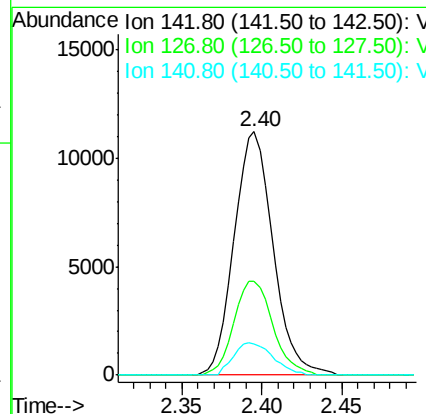
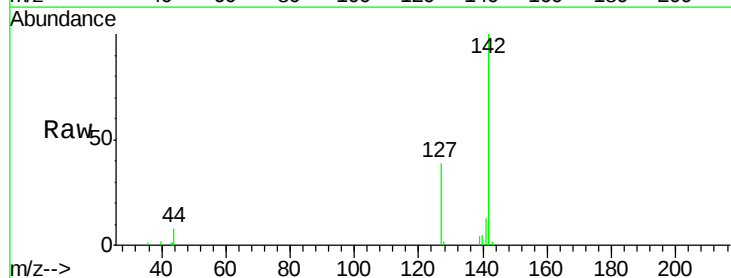
RT: 2.40 min Scan# 406

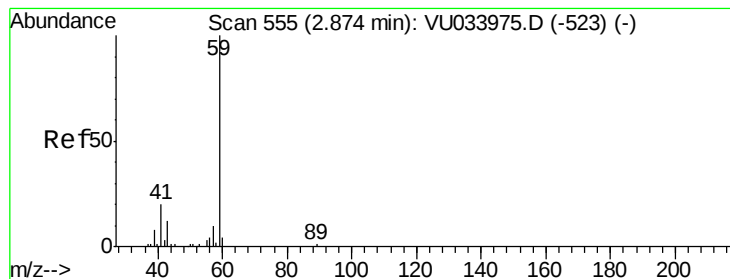
Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion:	142	Resp:	18625
Ion Ratio	Lower	Upper	
142	100		
127	38.6	32.2	48.2
141	13.4	11.8	17.8





#11

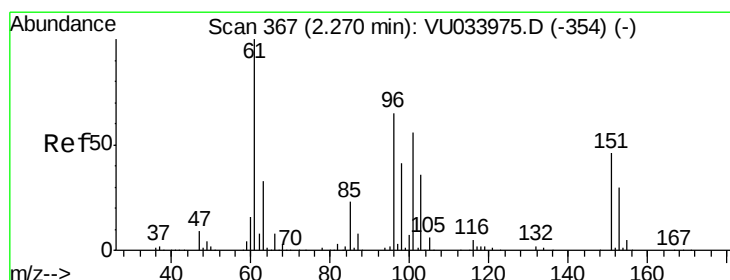
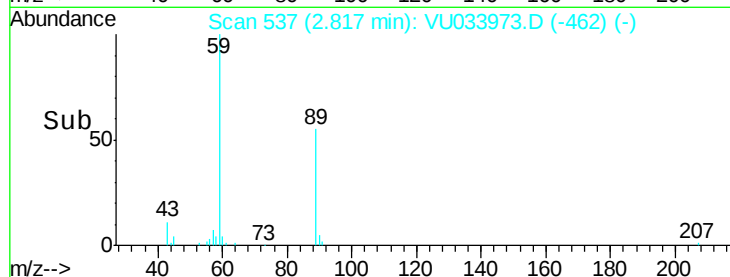
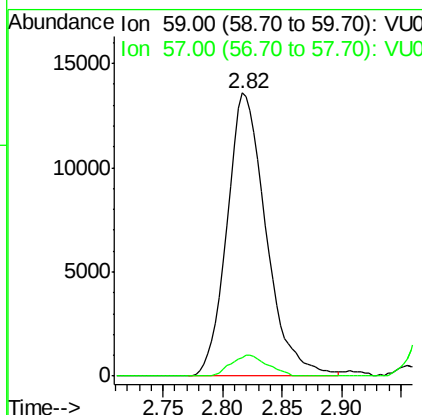
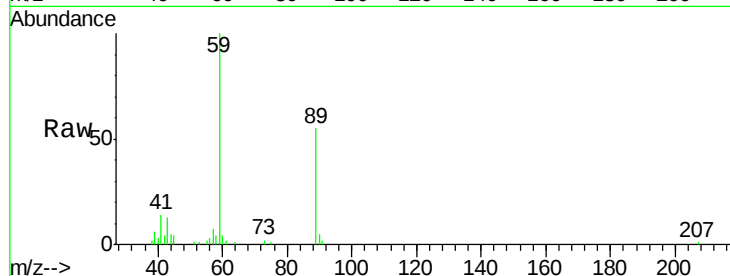
Tert butyl alcohol
 Concen: 29.924 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. -0.06 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 30920
 Ion Ratio Lower Upper
 59 100
 57 6.8 3.9 5.9#

Manual Integrations
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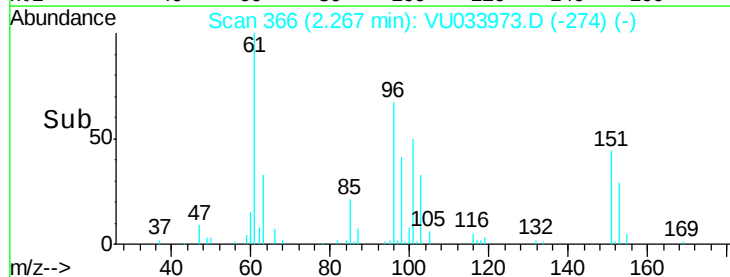
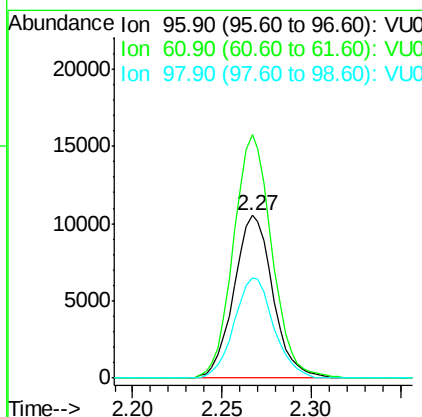
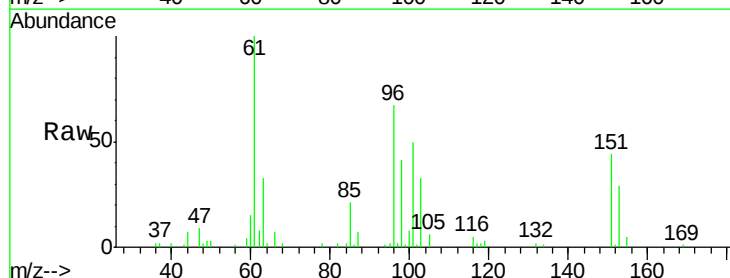
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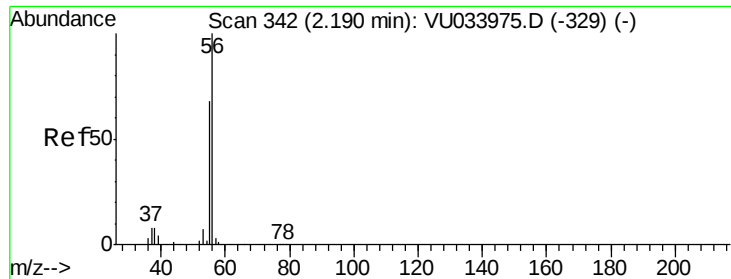


#12

1,1-Dichloroethene
 Concen: 4.239 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 96 Resp: 16083
 Ion Ratio Lower Upper
 96 100
 61 149.9 123.3 184.9
 98 61.6 50.5 75.7





#13

Acrolein

Concen: 16.766 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9398

Ion Ratio Lower Upper

56 100

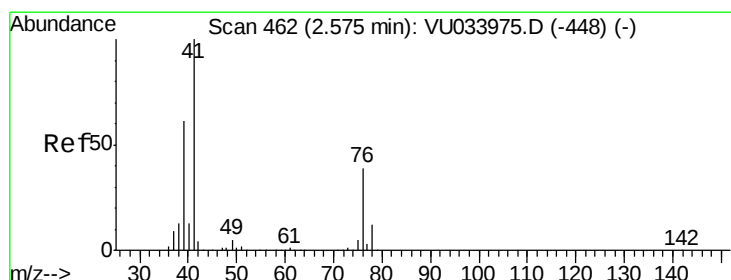
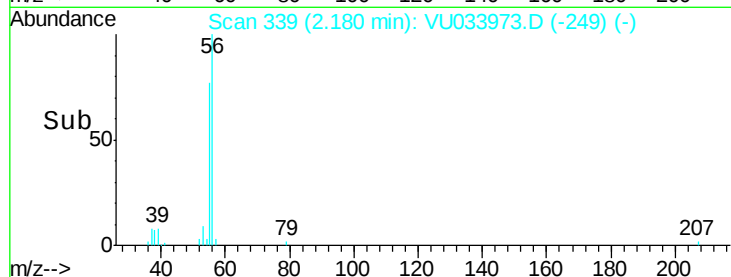
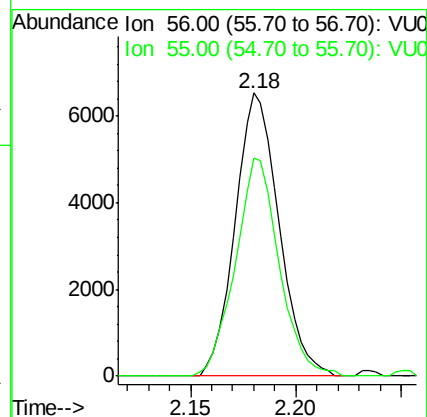
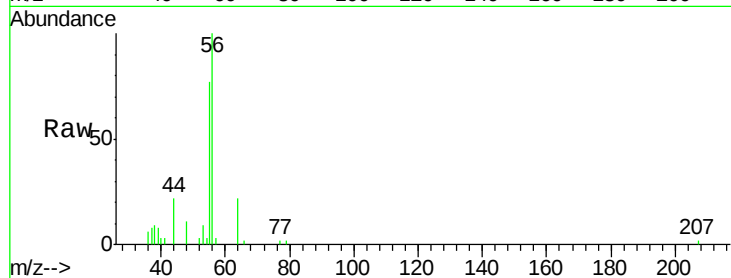
55 76.9 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 4.106 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

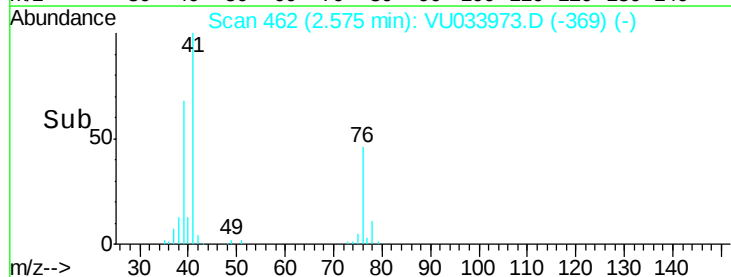
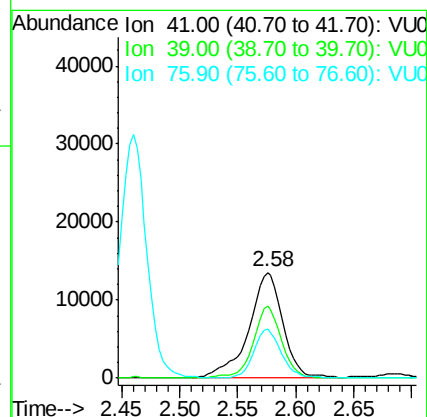
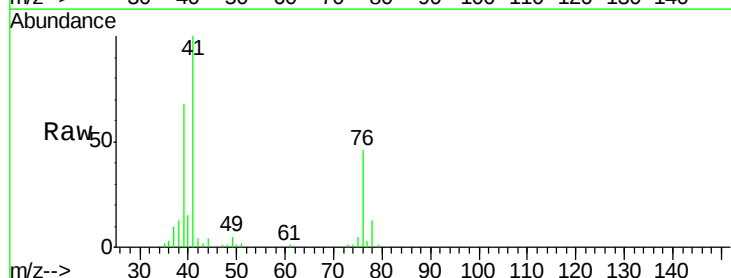
Tgt Ion: 41 Resp: 28049

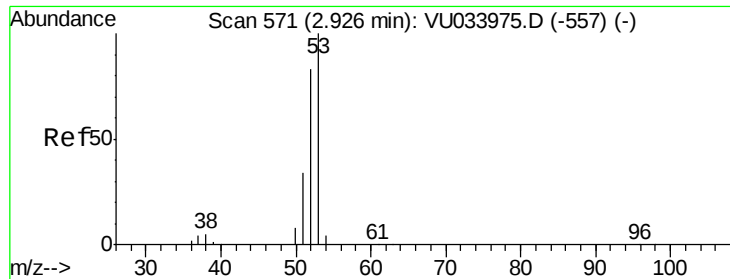
Ion Ratio Lower Upper

41 100

39 56.2 45.9 68.9

76 37.0 29.4 44.2





#15

Acrylonitrile

Concen: 19.317 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

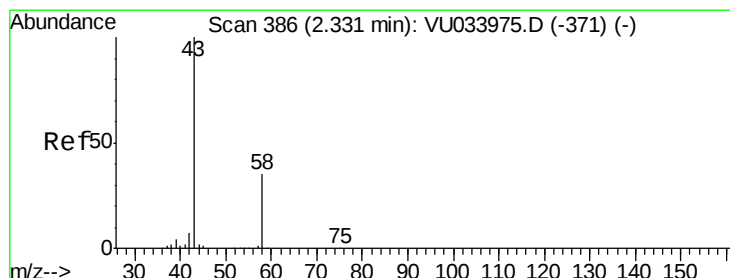
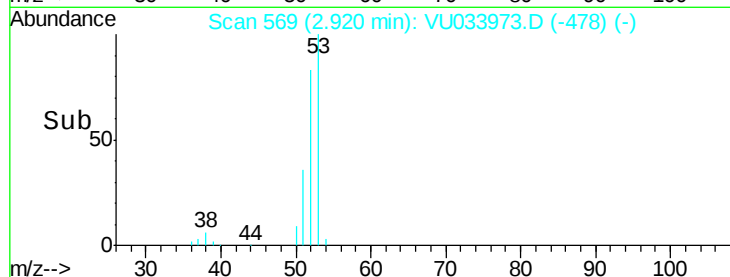
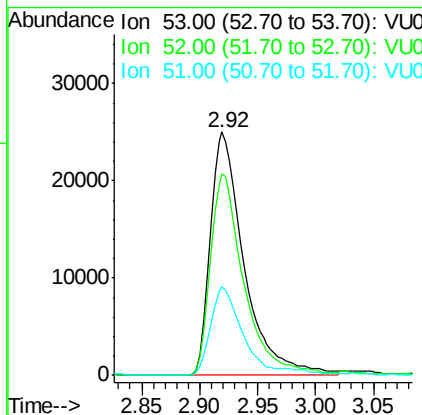
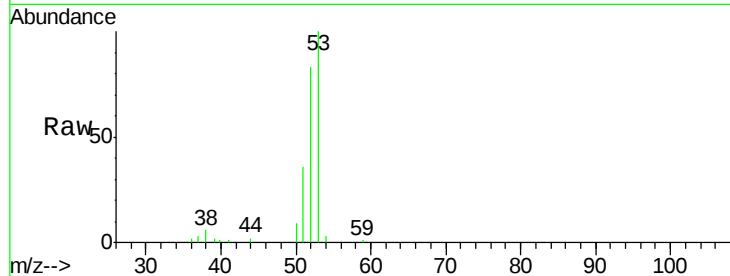
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	51036
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	33.4	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 17.155 ug/l

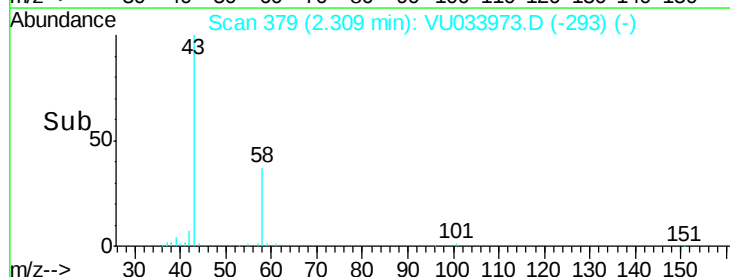
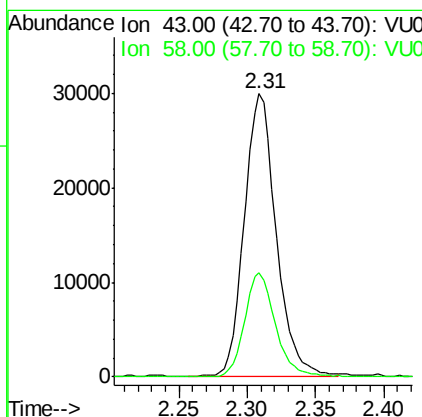
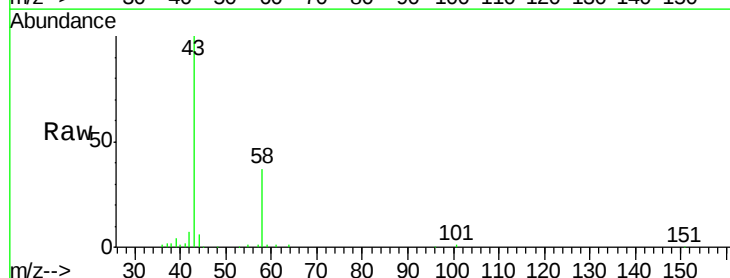
RT: 2.31 min Scan# 379

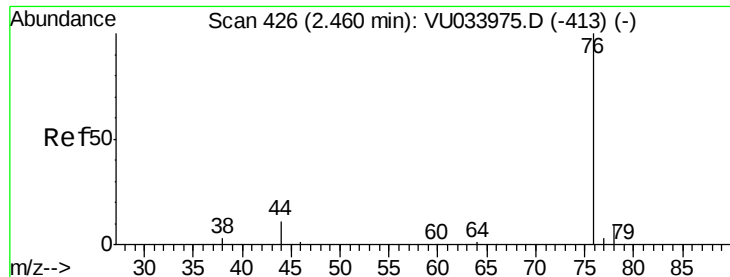
Delta R.T. -0.02 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion:	43	Resp:	48847
Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.0	42.0





#17

Carbon Disulfide

Concen: 3.999 ug/l

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 49830

Ion Ratio Lower Upper

76 100

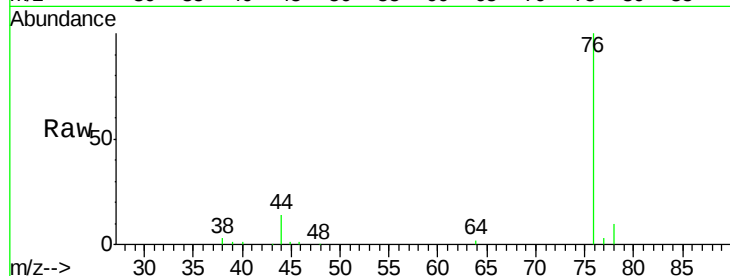
78 9.5 7.5 11.3

Manual Integrations

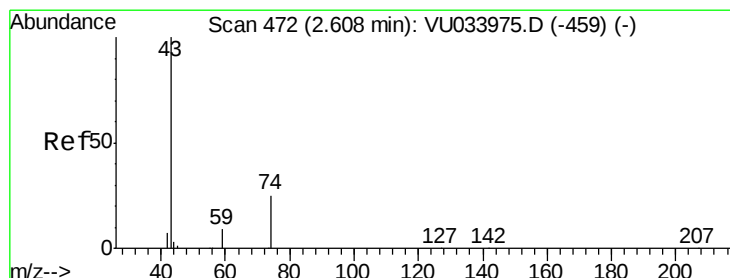
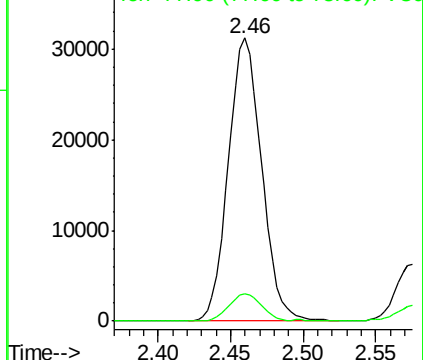
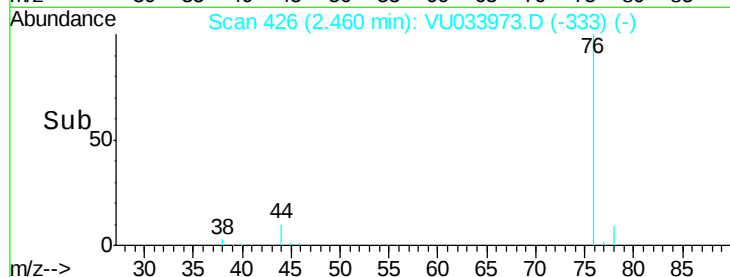
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Abundance Ion 75.90 (75.60 to 76.60): VU033973.D (-333) (-)



#18

Methyl Acetate

Concen: 3.702 ug/l

RT: 2.60 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU033973.D

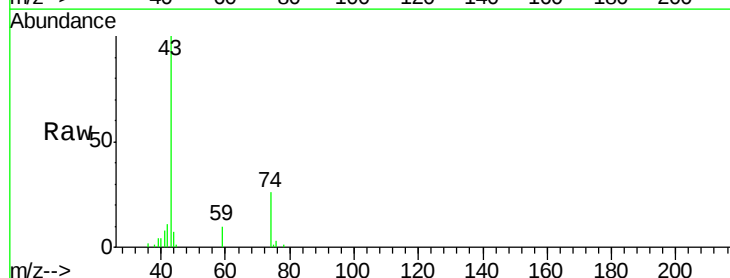
Acq: 27 Aug 2019 15:07

Tgt Ion: 43 Resp: 23557

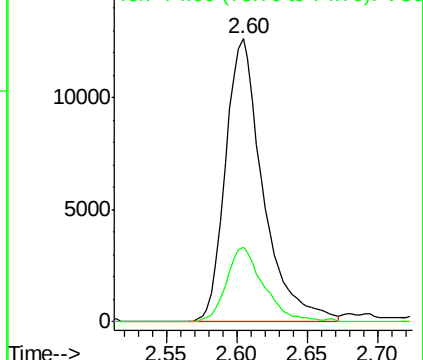
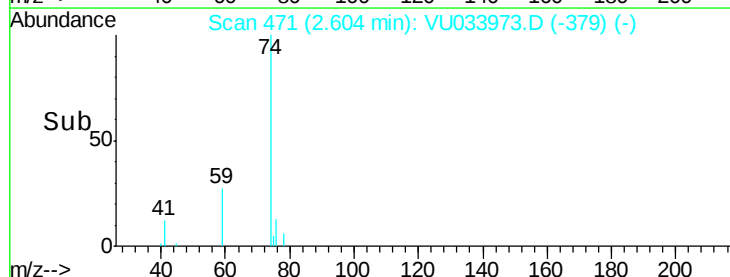
Ion Ratio Lower Upper

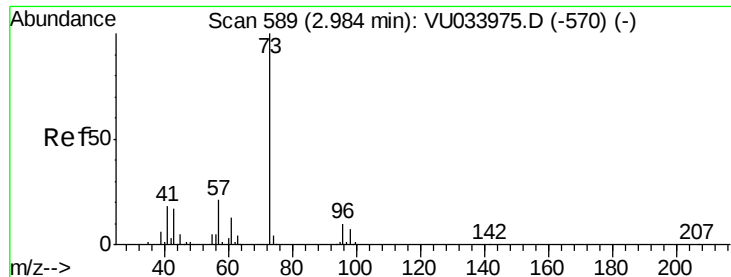
43 100

74 26.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033973.D (-379) (-)





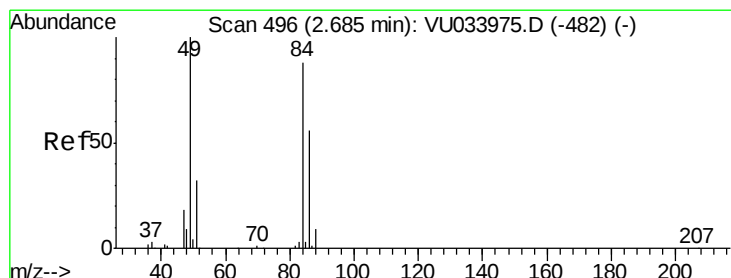
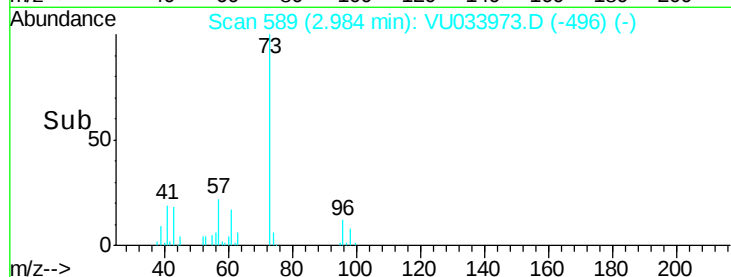
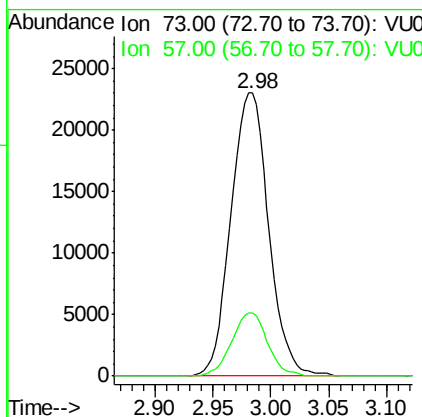
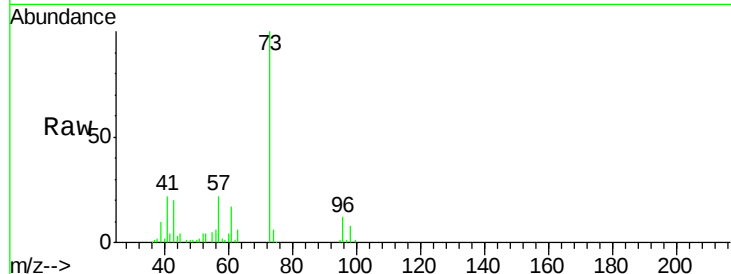
#19
Methvl tert-butvl Ether
Concen: 4.295 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.5	26.3

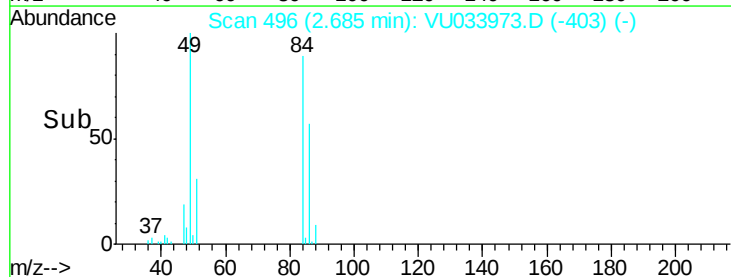
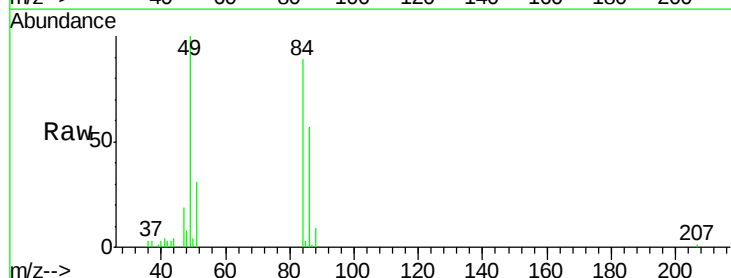
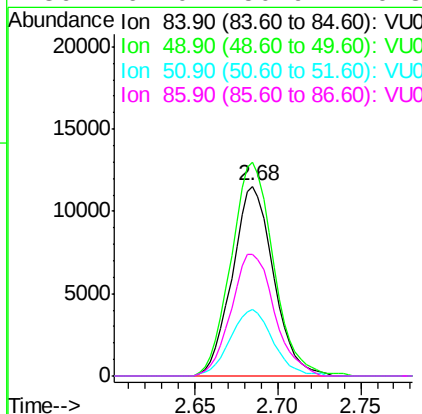
Manual Integrations
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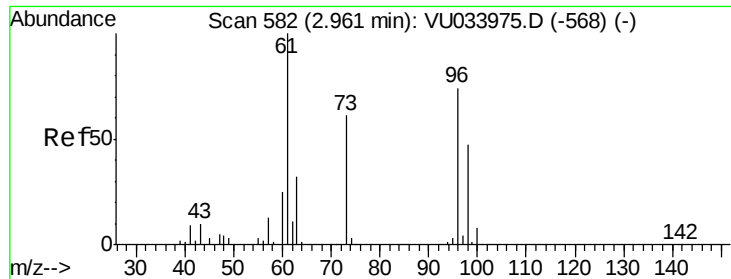
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#20
Methylene Chloride
Concen: 4.264 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.4	91.3	136.9
51	35.1	28.9	43.3
86	64.0	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 4.221 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 17626

Ion Ratio Lower Upper

96 100

61 144.5 108.2 162.2

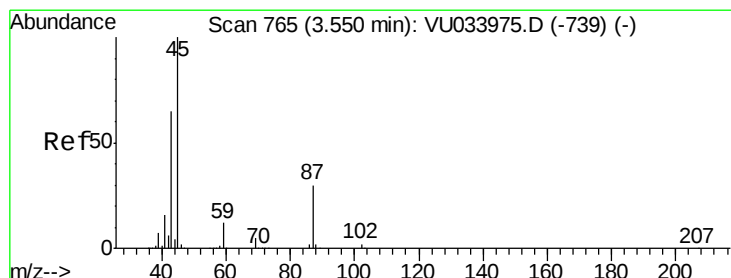
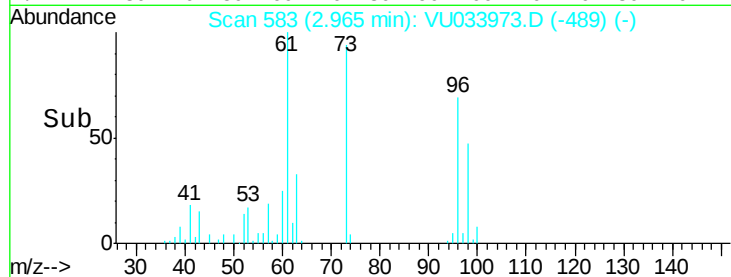
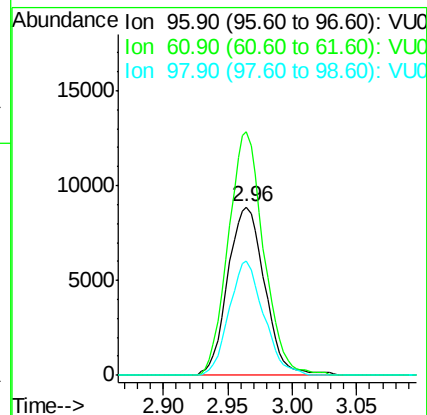
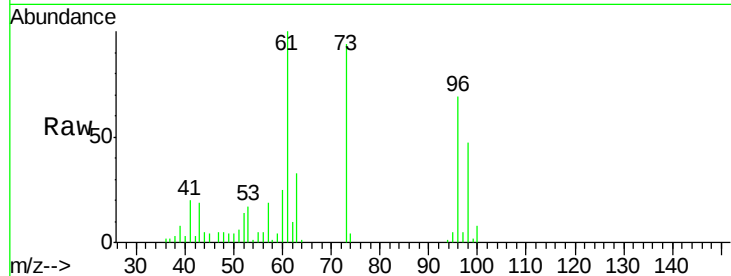
98 67.5 50.3 75.5

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#22

Diisopropyl ether

Concen: 3.994 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion: 45 Resp: 51569

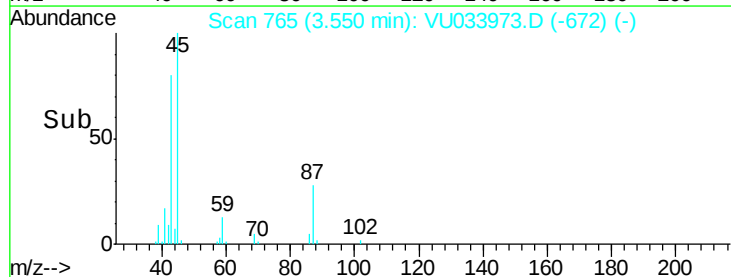
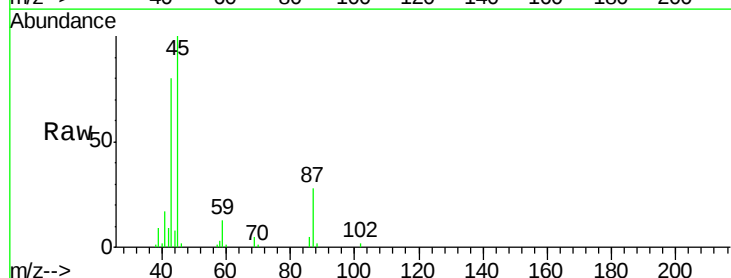
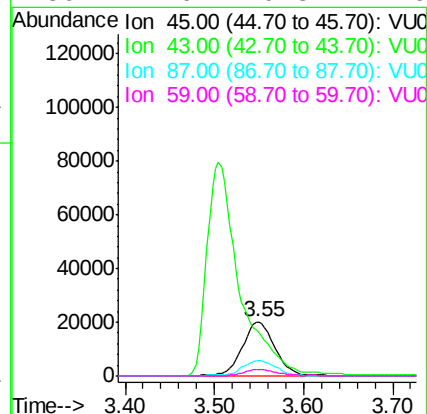
Ion Ratio Lower Upper

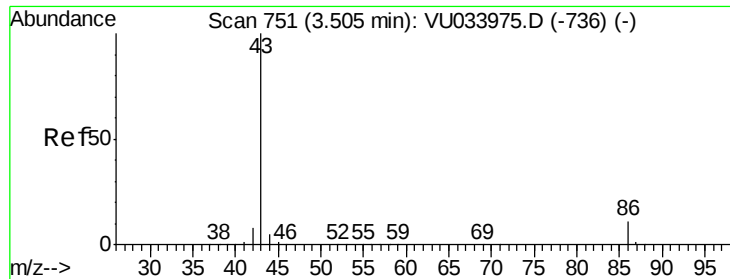
45 100

43 76.6 51.6 77.4

87 28.5 24.4 36.6

59 12.6 9.8 14.6





#23

Vinyl Acetate

Concen: 19.269 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tot Ion: 43 Resp: 204937

Ion Ratio Lower Upper

43 100

86 11.5 9.1 13.7

Instrument :

MSVOA_U

ClientSampleId :

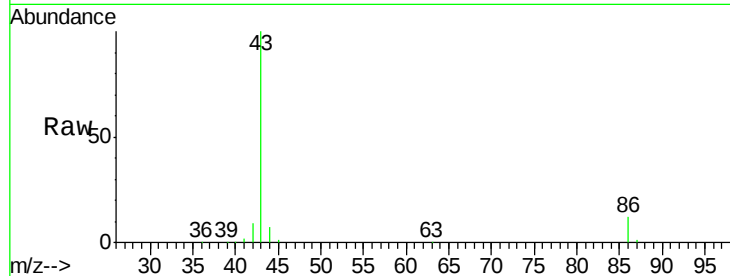
VSTDIC005

Manual Integrations

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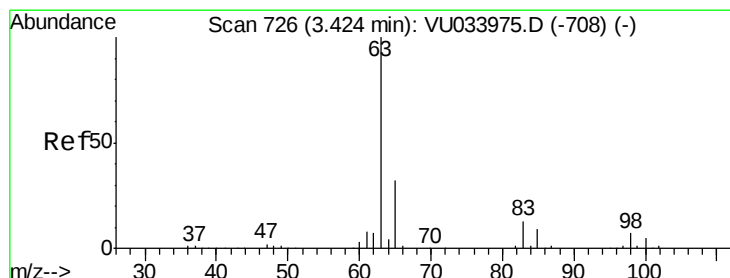
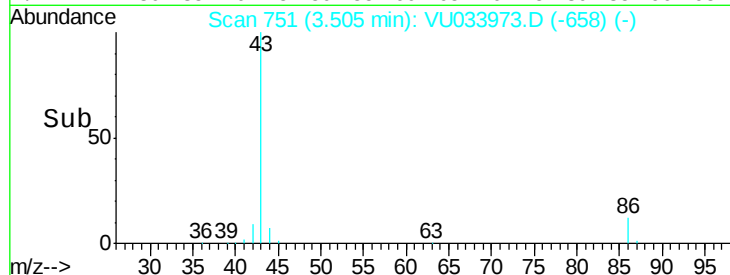
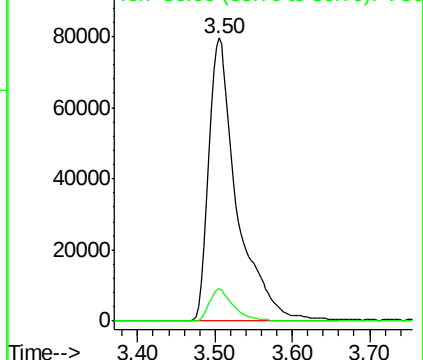
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 4.146 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

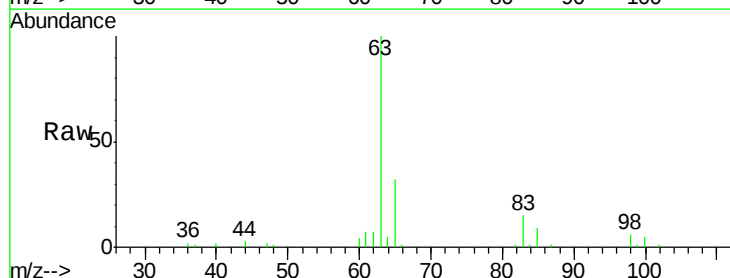
Tgt Ion: 63 Resp: 33200

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

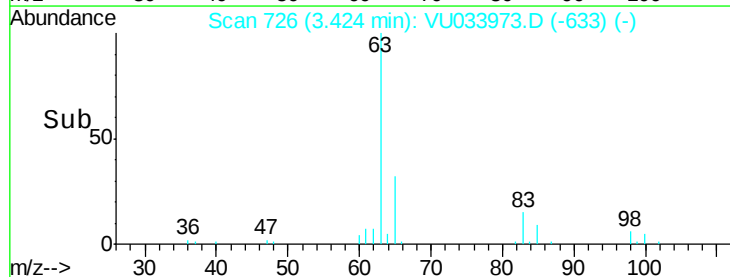
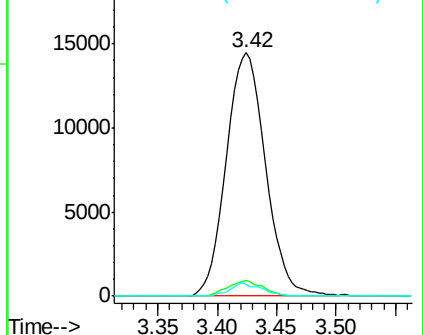
100 4.8 2.3 6.8

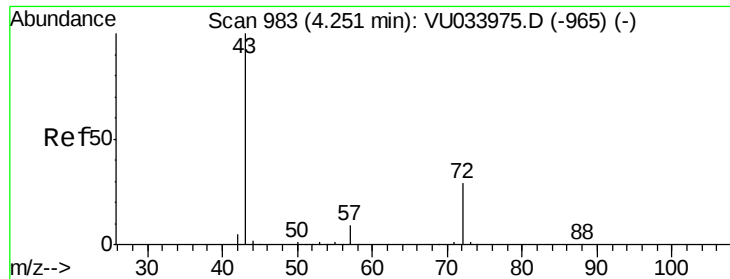


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 18.429 ug/l

RT: 4.24 min Scan# 981

Delta R.T. -0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tot Ion: 43 Resp: 67717

Ion Ratio Lower Upper

43 100

72 29.8 22.9 34.3

Instrument :

MSVOA_U

ClientSampled :

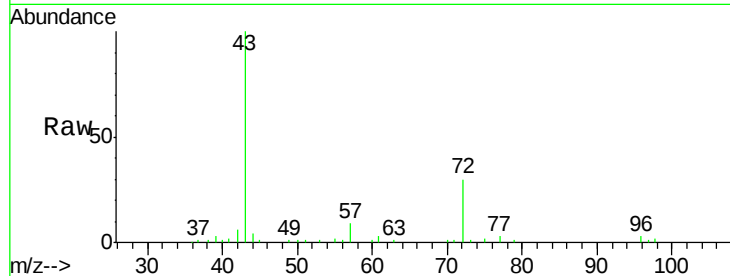
VSTDIC005

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Abundance Ion 43.00 (42.70 to 43.70): VU033973.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VU033973.D (-890) (-)

25000

20000

15000

10000

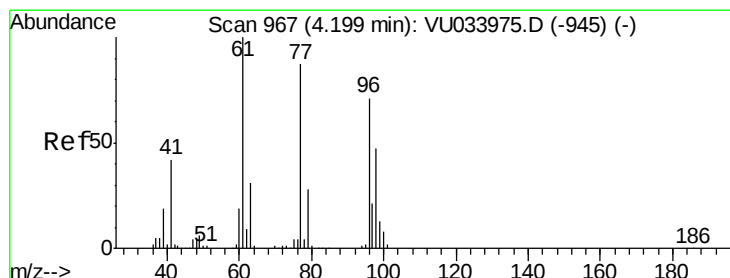
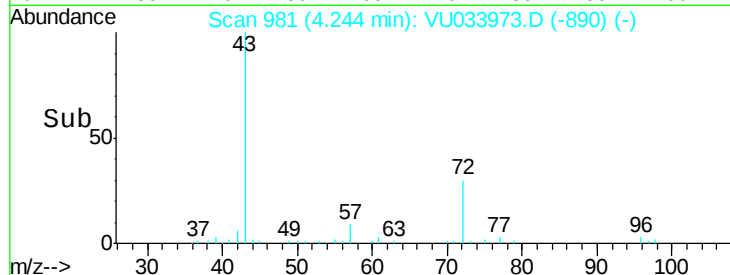
5000

0

4.20

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 4.195 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033973.D

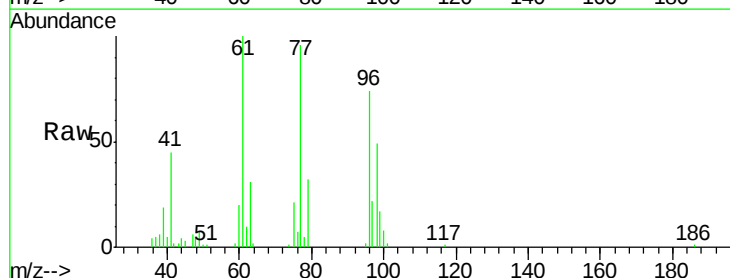
Acq: 27 Aug 2019 15:07

Tgt Ion: 77 Resp: 27333

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VU033973.D (-874) (-)

Ion 96.90 (96.60 to 97.60): VU033973.D (-874) (-)

12000

10000

8000

6000

4000

2000

0

4.10

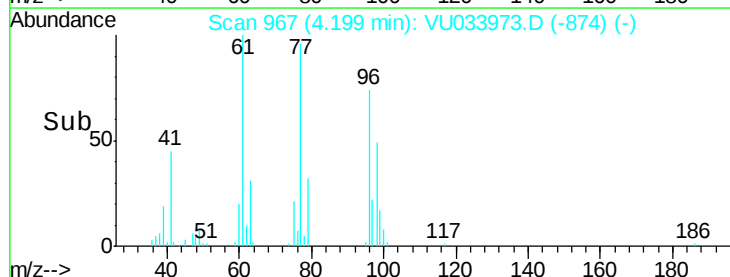
4.15

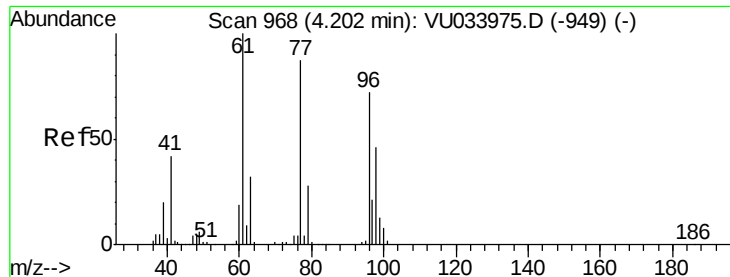
4.20

4.25

4.30

Time-->





#27

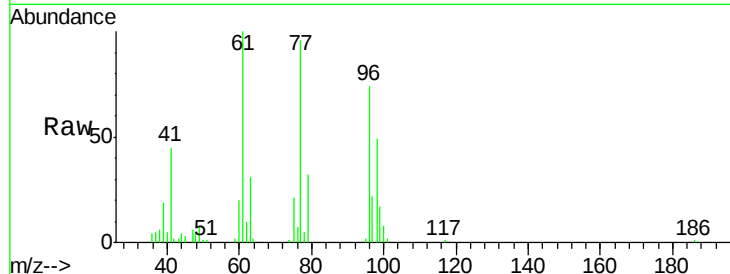
cis-1,2-Dichloroethene
Concen: 4.433 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

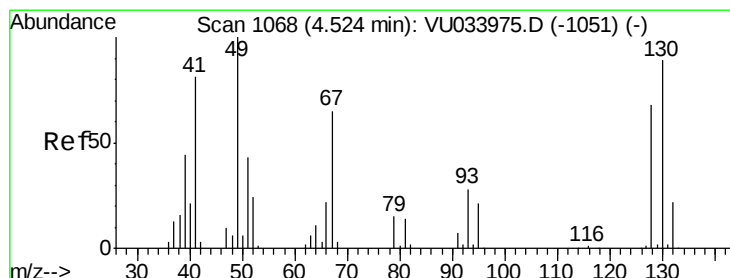
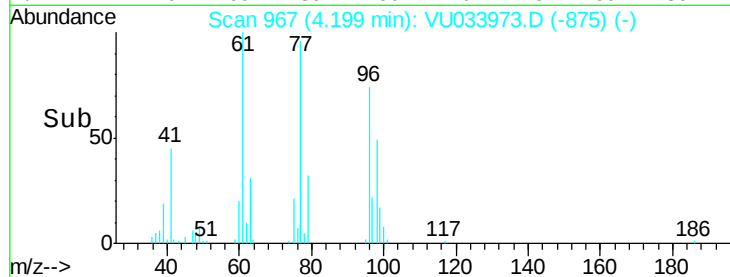
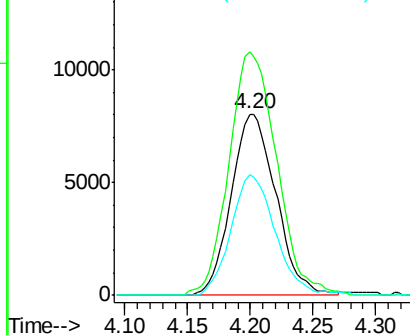
Tot Ion	Ratio	Resp	Lower	Upper
96	100	19916		
61	143.3	0.0	287.2	
98	65.3	0.0	131.8	

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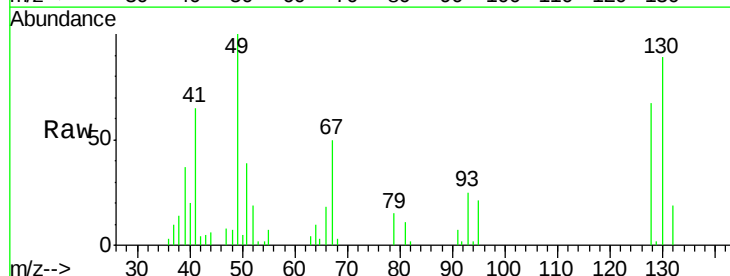
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



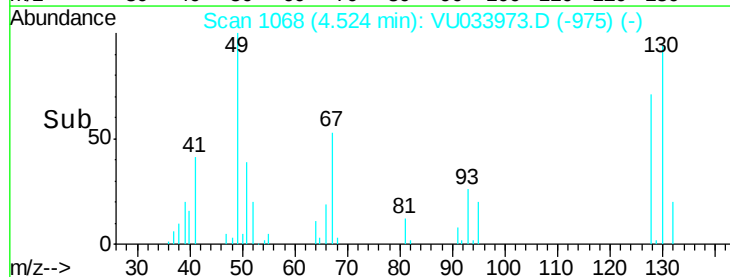
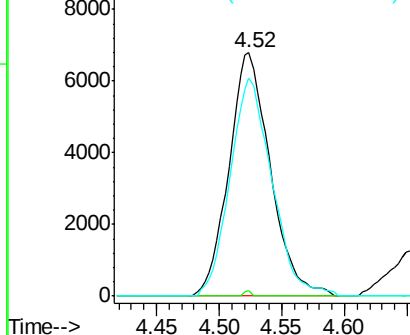
#28

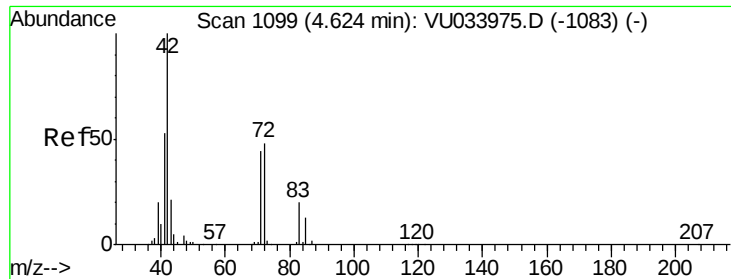
Bromochloromethane
Concen: 3.976 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	15587		
129	0.4	0.0	4.6	
130	90.4	71.0	106.6	



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





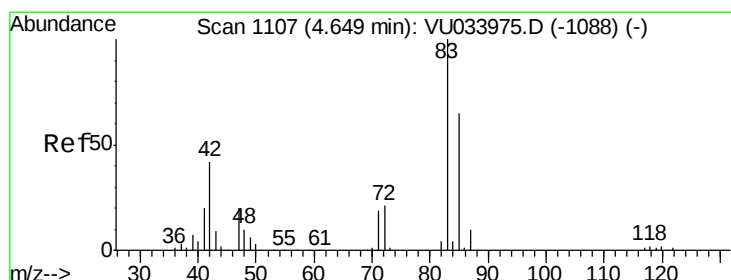
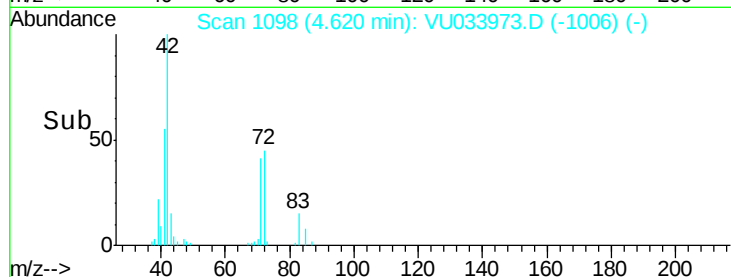
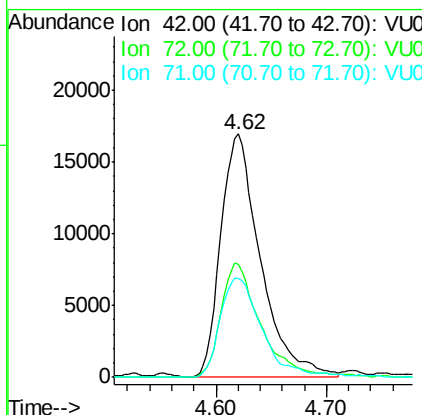
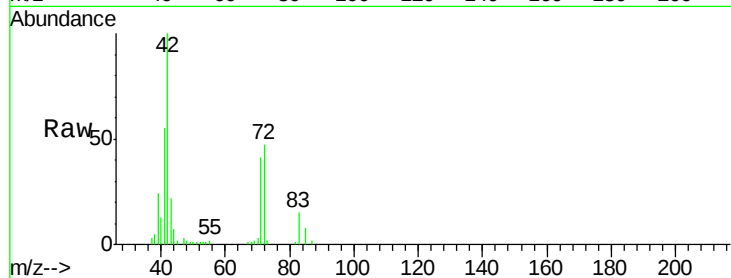
#29
Tetrahydrofuran
Concen: 19.128 ug/l
RT: 4.62 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	38.9	58.3
71	41.9	35.7	53.5

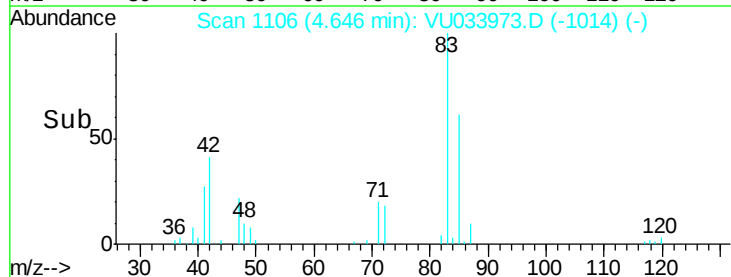
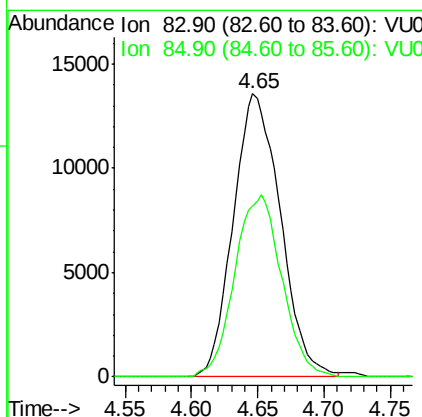
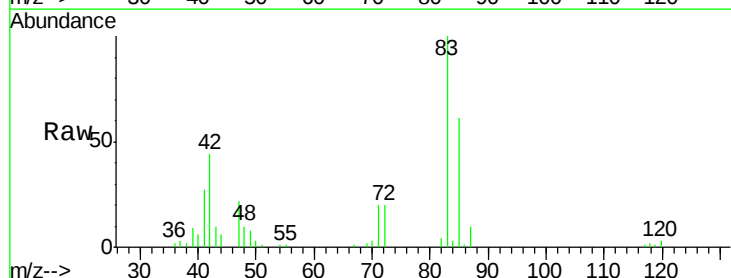
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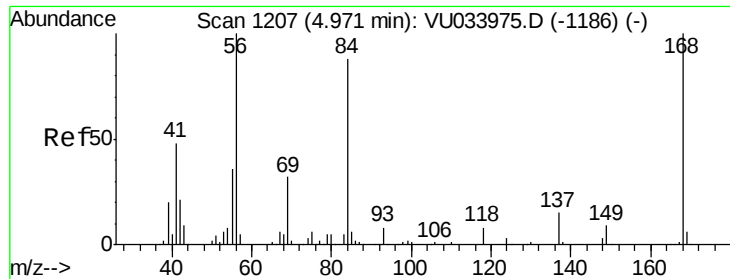
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#30
Chloroform
Concen: 4.206 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1





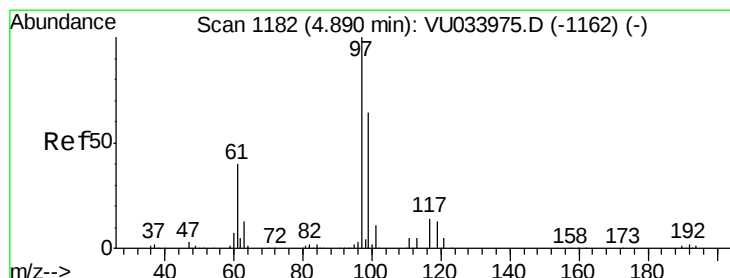
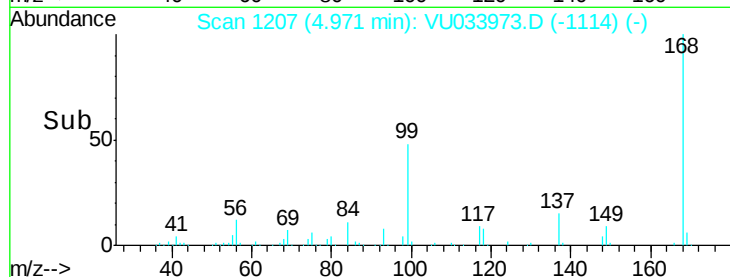
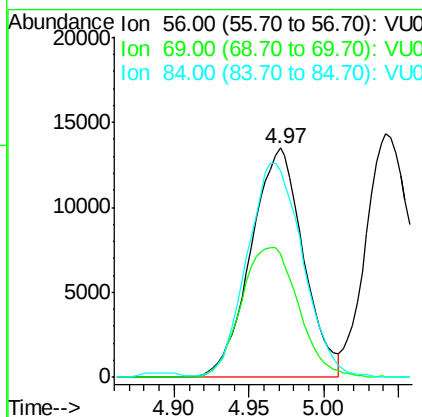
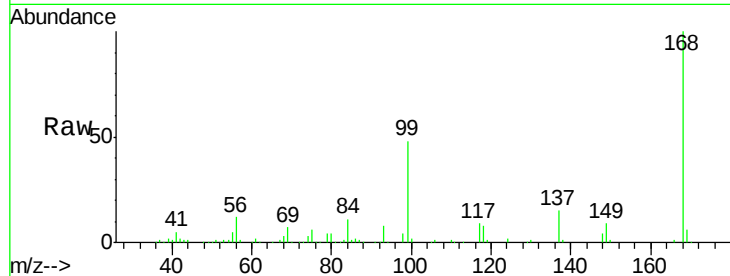
#31
Cyclohexane
Concen: 4.689 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	54.1	25.9	38.9
84	89.3	70.4	105.6

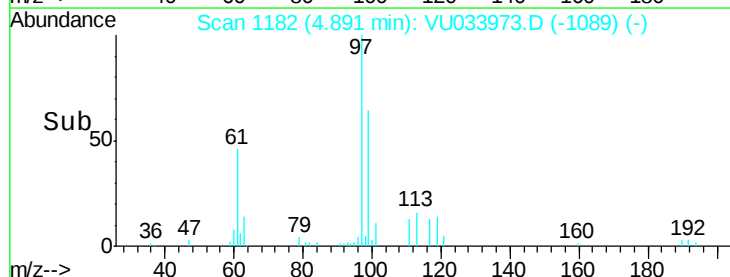
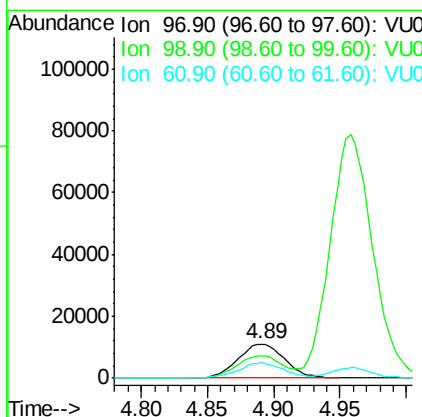
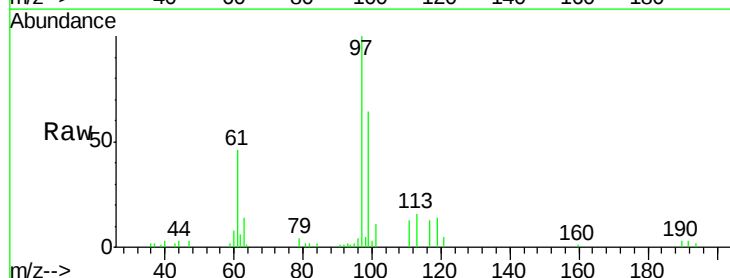
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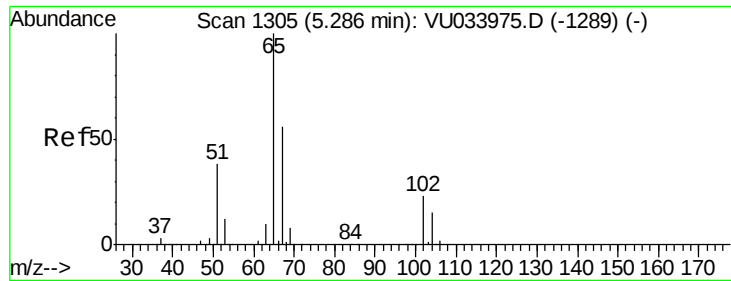
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#32
1,1,1-Trichloroethane
Concen: 4.094 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.6	77.4
61	44.2	32.7	49.1





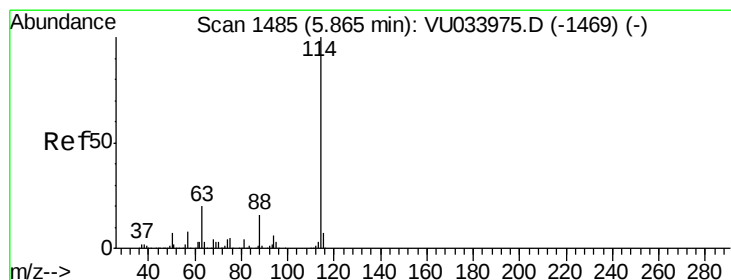
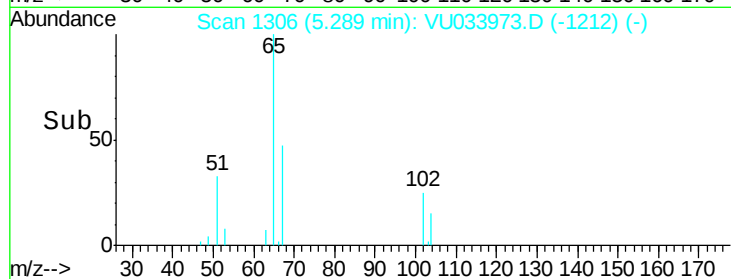
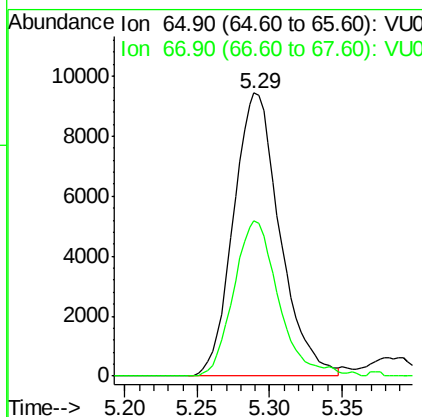
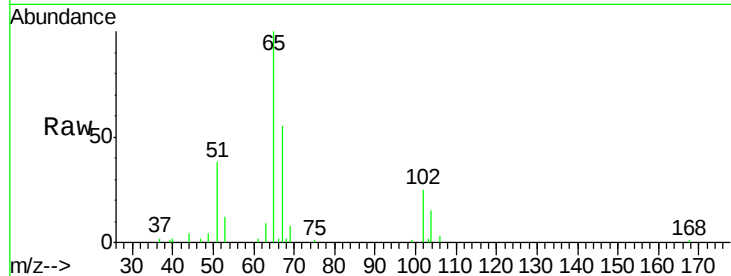
#33
 1,2-Dichloroethane-d4
 Concen: 4.285 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	111.0

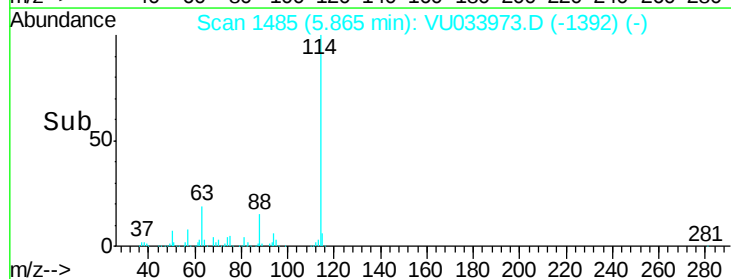
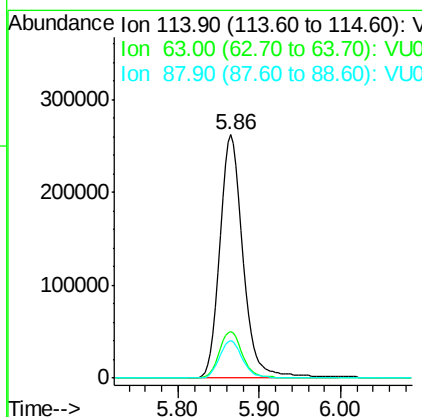
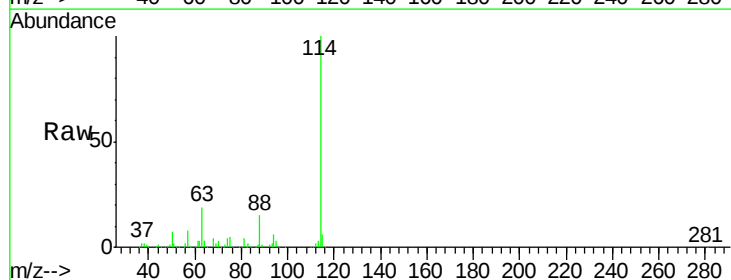
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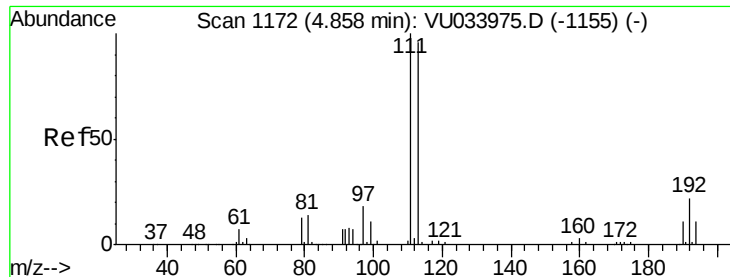
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.0
88	15.4	0.0	31.2





#35

Dibromofluoromethane

Concen: 5.181 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:113 Resp: 19396

Ion Ratio Lower Upper

113 100

111 100.9 81.7 122.5

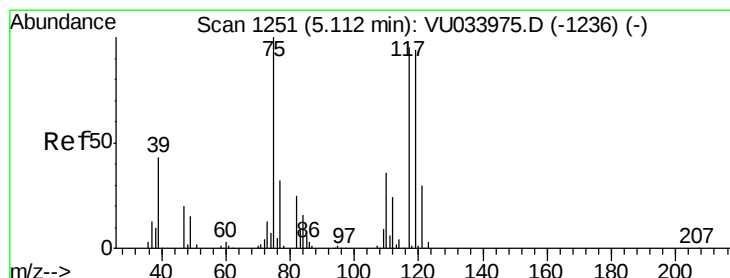
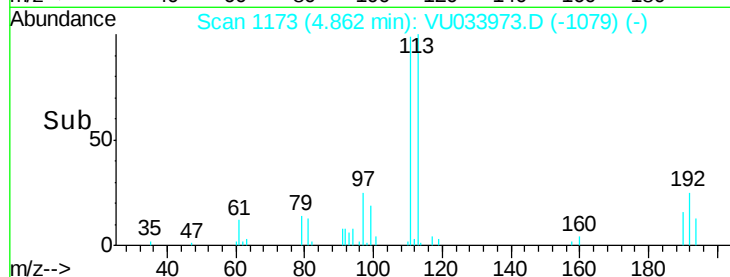
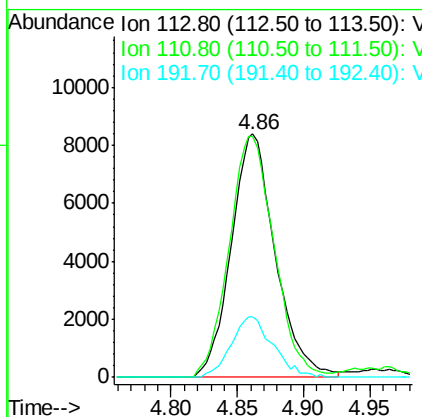
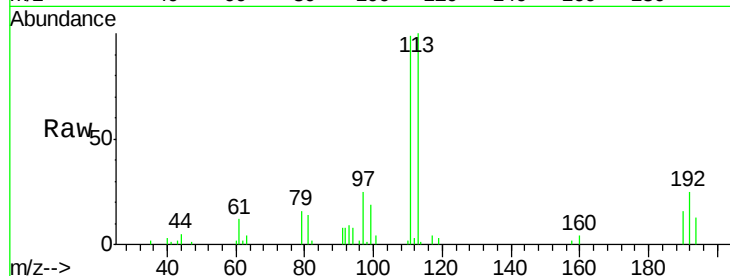
192 23.6 18.6 27.8

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#36

1,1-Dichloropropene

Concen: 4.332 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

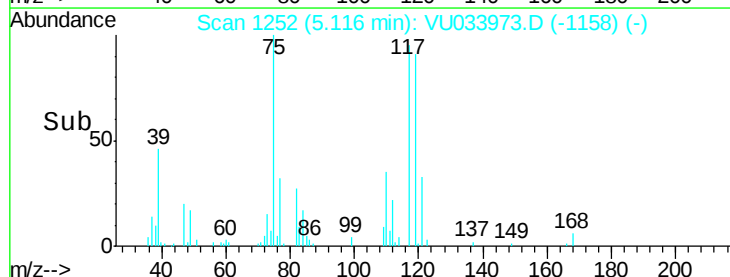
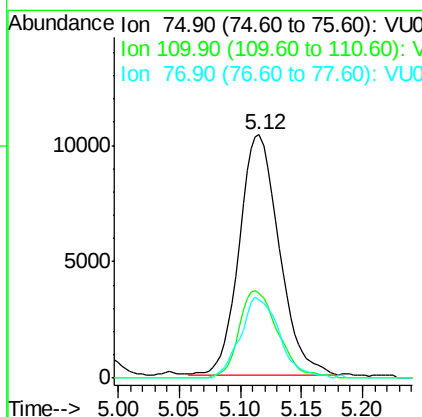
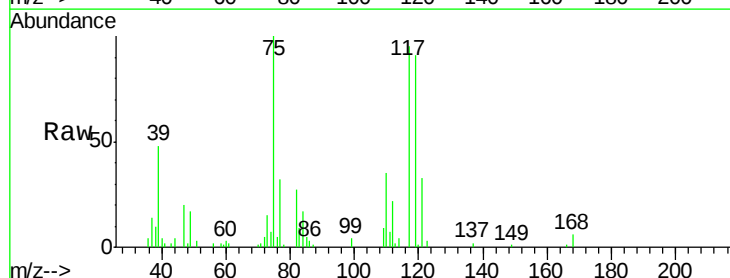
Tgt Ion: 75 Resp: 23262

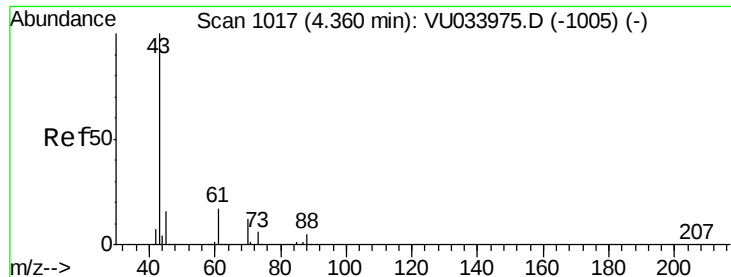
Ion Ratio Lower Upper

75 100

110 35.8 18.2 54.6

77 33.0 24.8 37.2





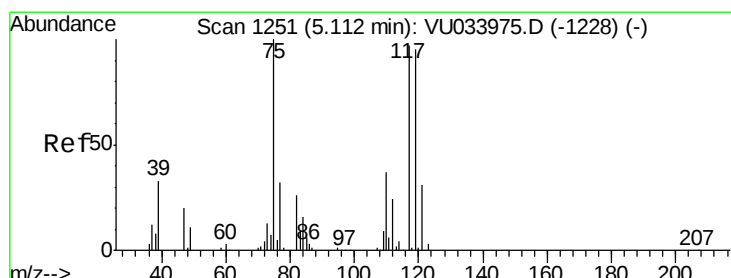
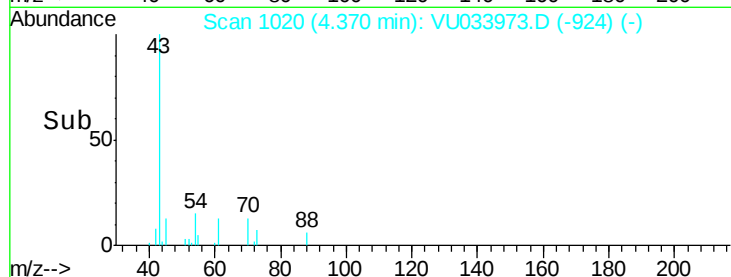
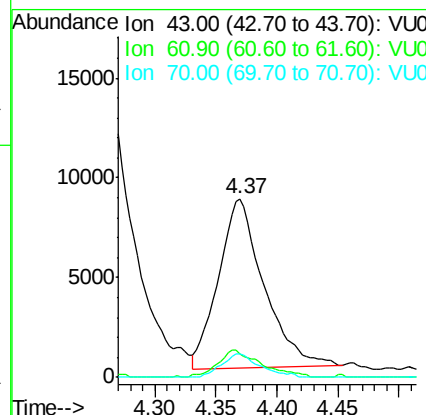
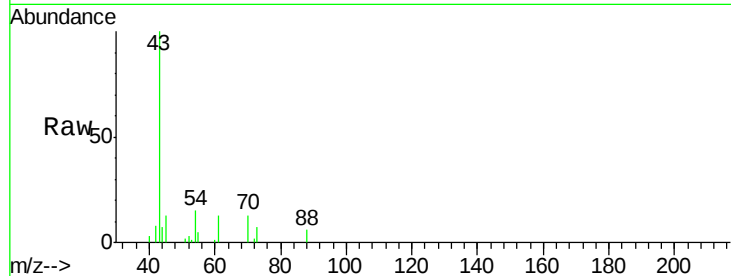
#37
Ethyl Acetate
Concen: 3.549 ug/l
RT: 4.37 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	11.7	9.2	13.8

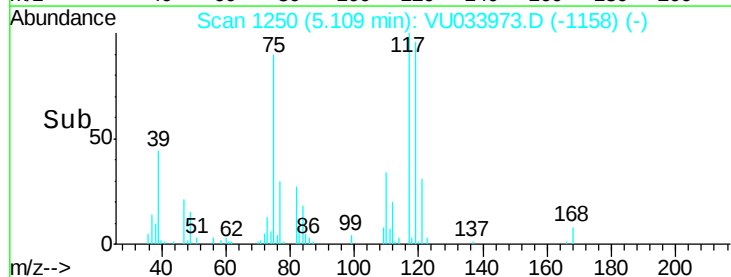
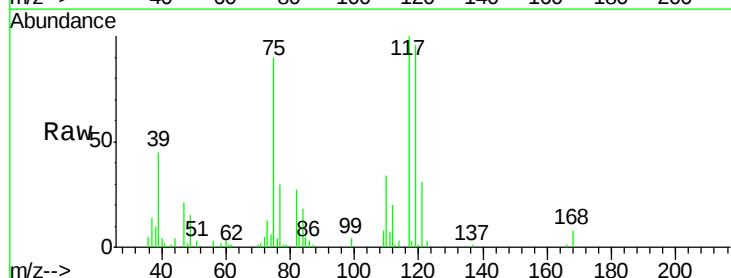
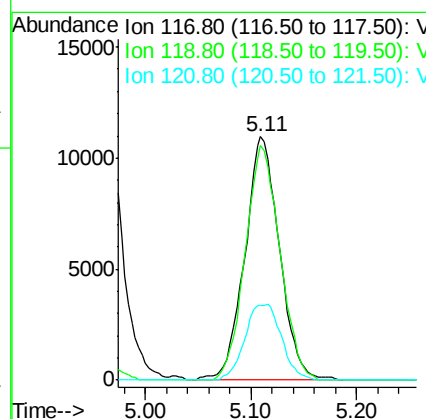
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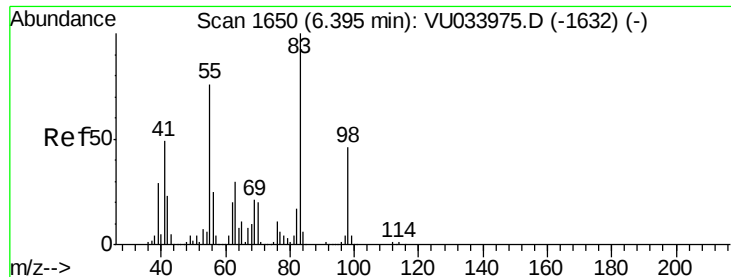
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#38
Carbon Tetrachloride
Concen: 4.624 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.4	117.6
121	30.9	25.4	38.2





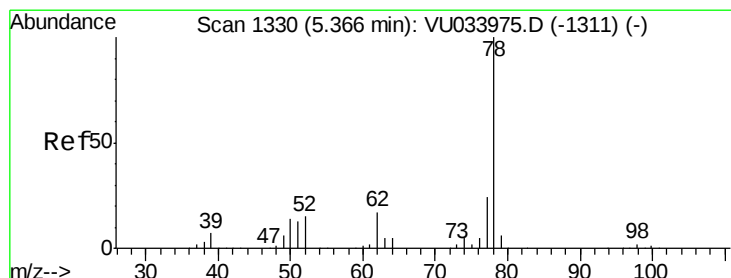
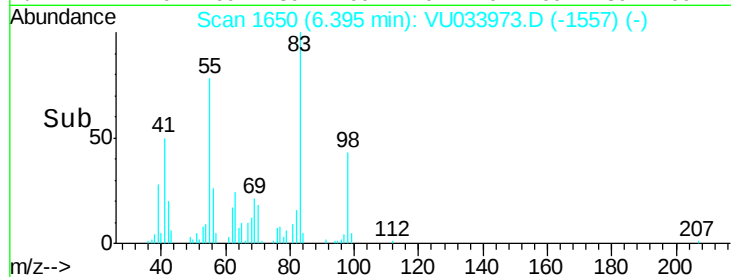
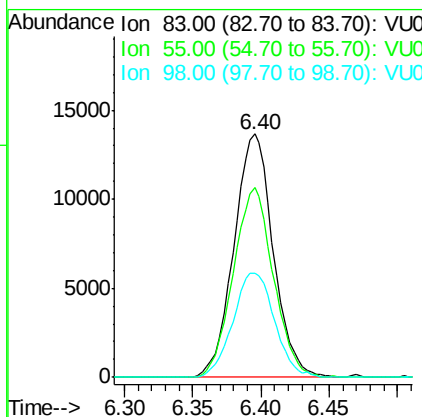
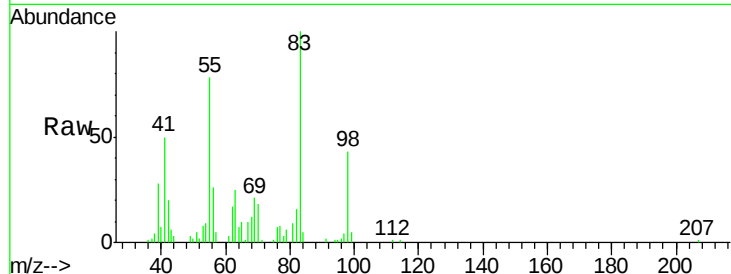
#39
Methvlcvclohexane
Concen: 4.565 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.8	91.2
98	43.0	36.5	54.7

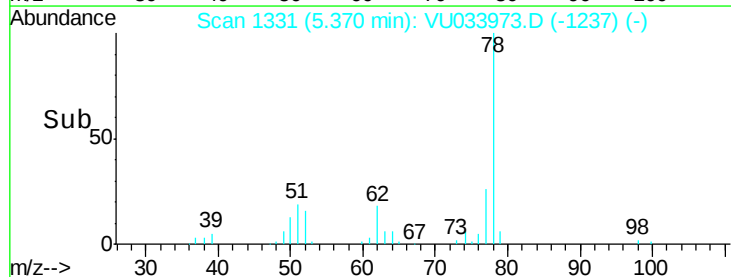
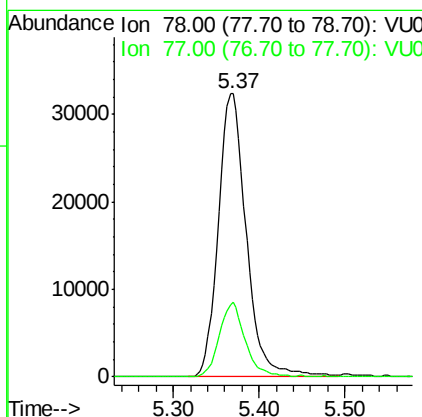
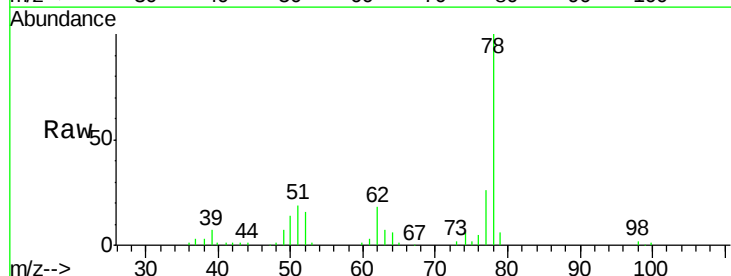
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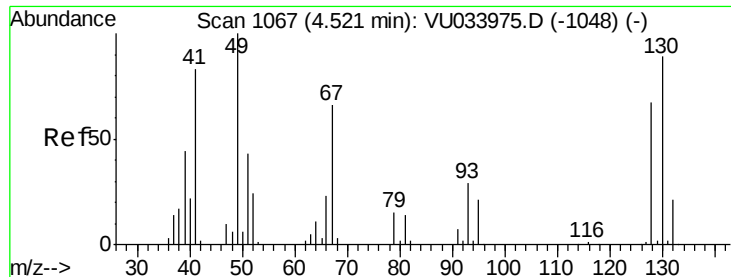
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#40
Benzene
Concen: 4.604 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.2	28.8





#41

Methacrylonitrile

Concen: 3.736 ug/l

RT: 4.53 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 11693

Ion Ratio Lower Upper

41 100

39 60.3 41.5 62.3

67 82.2 65.0 97.6

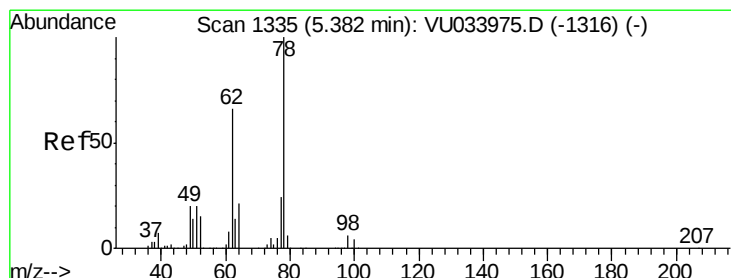
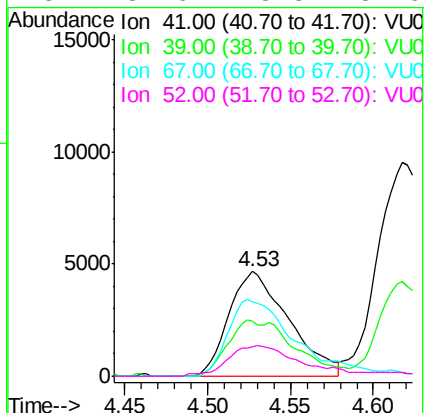
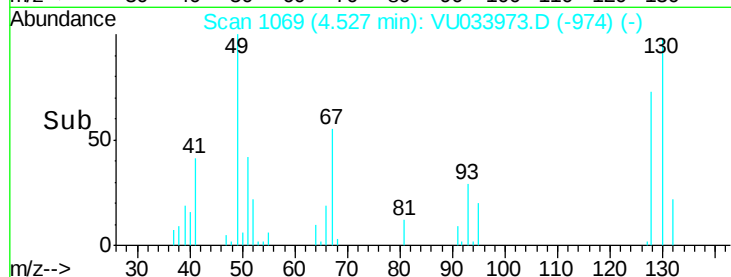
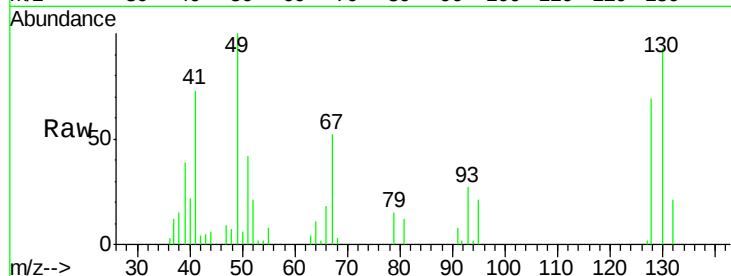
52 34.6 23.3 34.9

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#42

1,2-Dichloroethane

Concen: 4.274 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033973.D

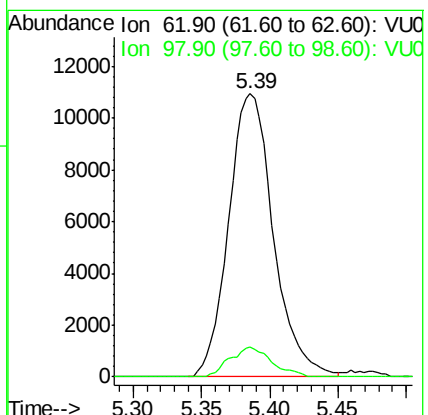
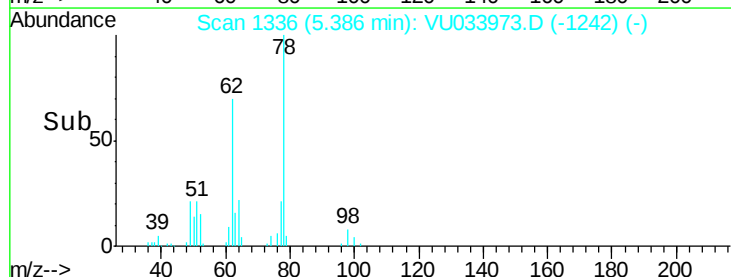
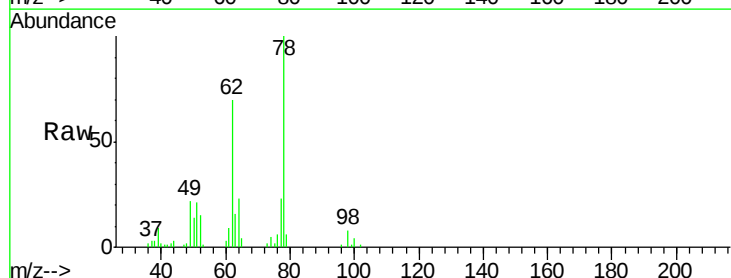
Acq: 27 Aug 2019 15:07

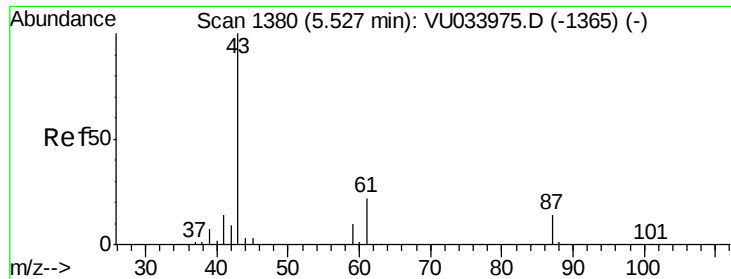
Tgt Ion: 62 Resp: 24949

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.0





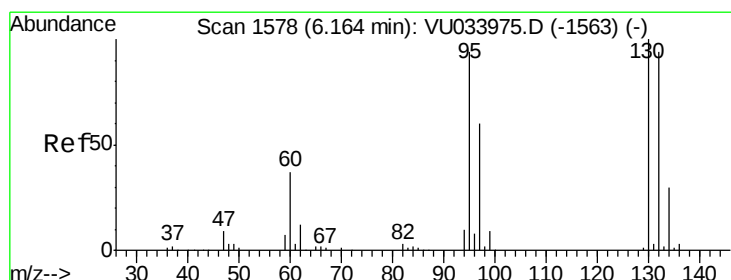
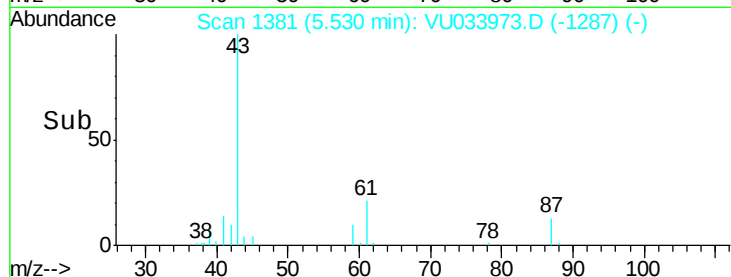
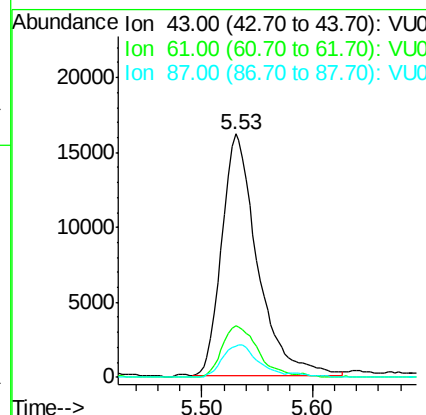
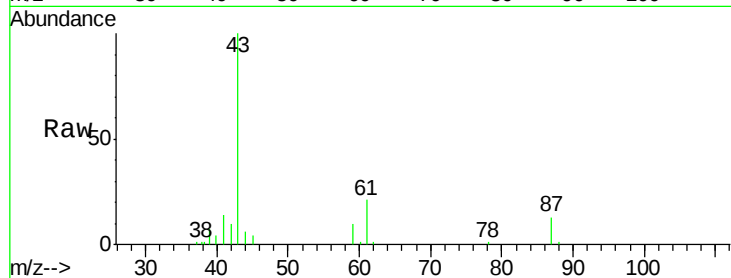
#43
Isopropyl Acetate
Concen: 3.984 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	43	61	87
Resp	36342		
Ratio	100	21.3	13.3
Lower		17.8	11.9
Upper		26.8	17.9

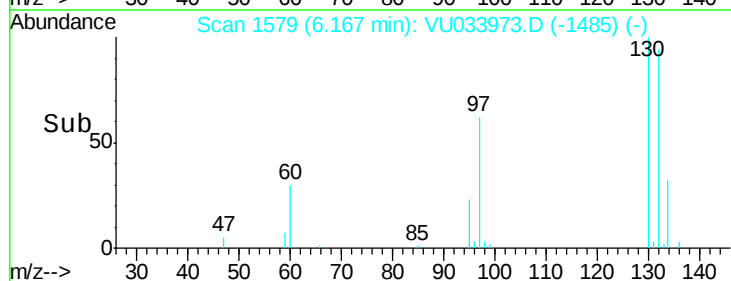
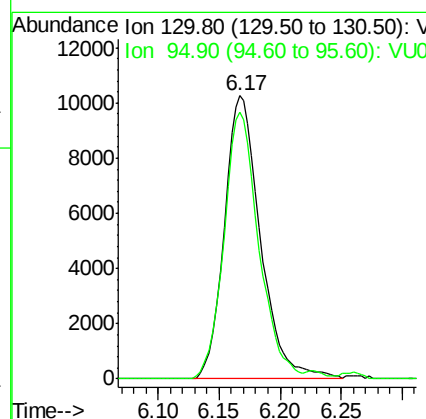
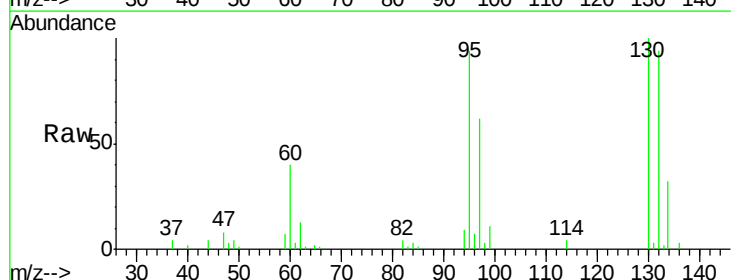
Manual Integrations
APPROVED

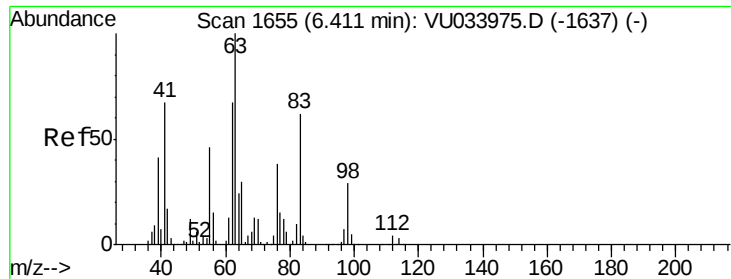
MMDadoda
8/28/2019 9:57:41 AM



#44
Trichloroethene
Concen: 5.030 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	130	95
Resp	21222	
Ratio	100	94.2
Lower		0.0
Upper		187.6





#45

1,2-Dichloropropane

Concen: 4.444 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 19574

Ion Ratio Lower Upper

63 100

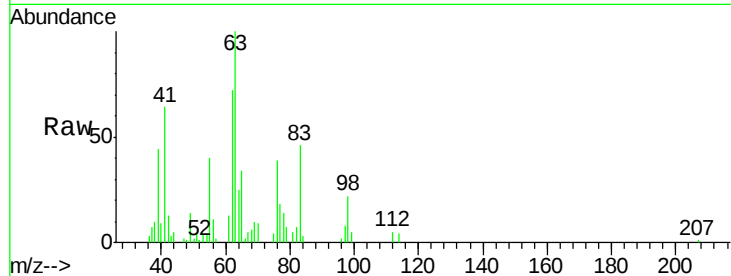
65 33.5 24.3 36.5

Manual Integrations

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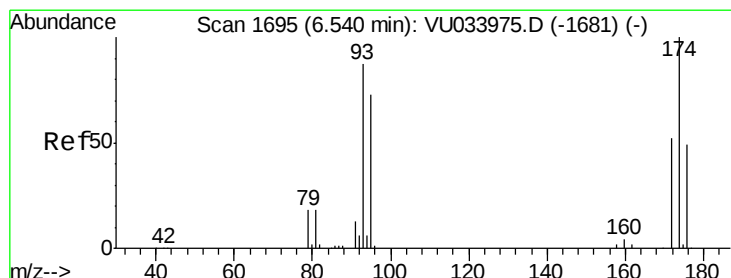
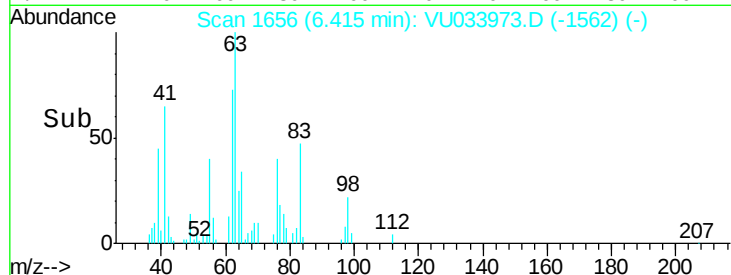
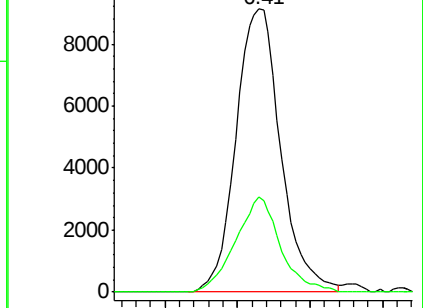
MMDadoda

8/28/2019 9:57:41 AM



Abundance Ion 62.90 (62.60 to 63.60): VU033973.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU033973.D (-1637) (-)



#46

Dibromomethane

Concen: 4.565 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

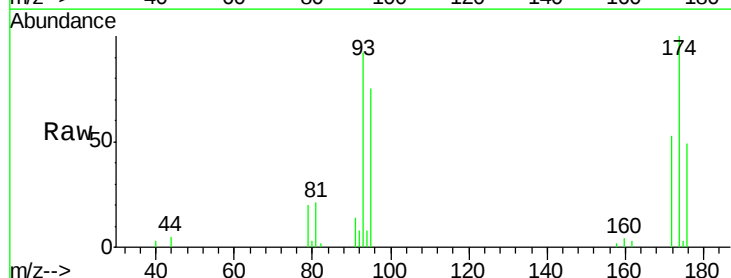
Tgt Ion: 93 Resp: 13047

Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

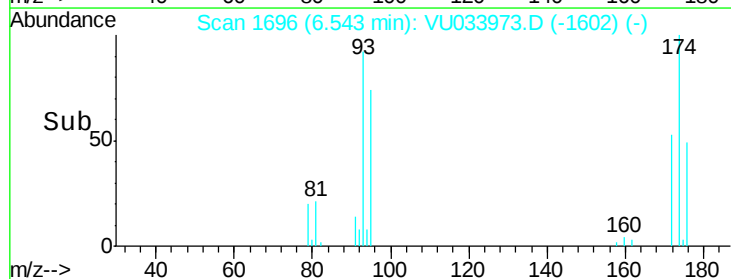
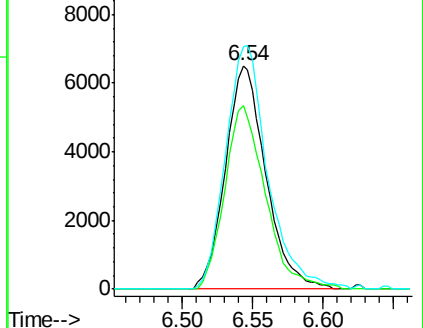
174 113.6 92.2 138.2

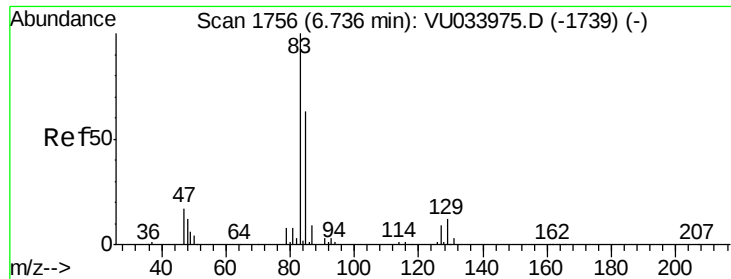


Abundance Ion 92.80 (92.50 to 93.50): VU033973.D (-1681) (-)

Ion 94.80 (94.50 to 95.50): VU033973.D (-1681) (-)

Ion 173.70 (173.40 to 174.40): VU033973.D (-1681) (-)





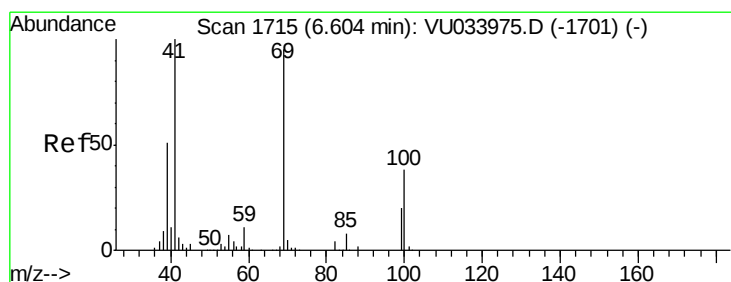
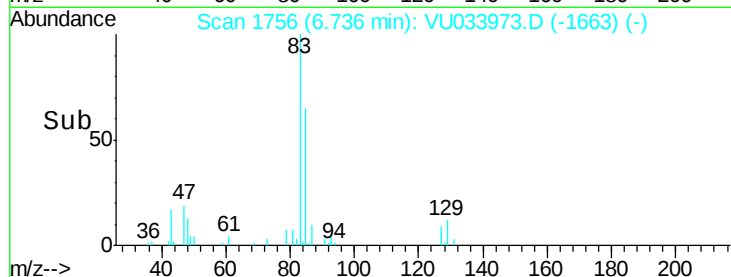
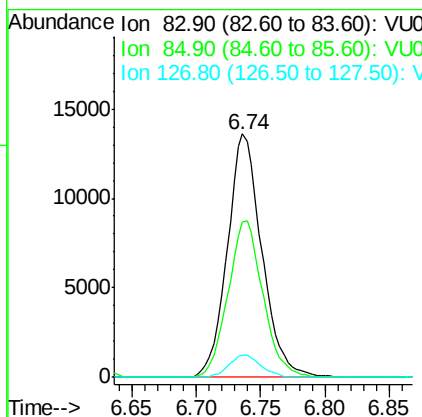
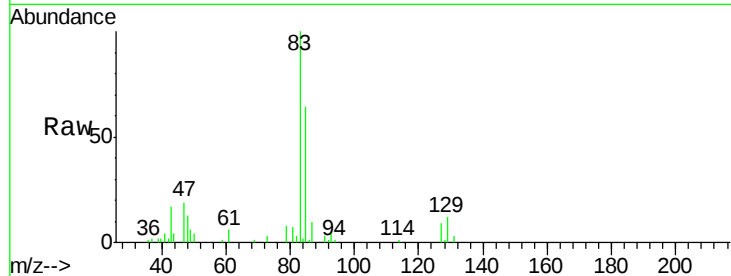
#47
Bromodichloromethane
Concen: 4.414 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	25311
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	76.0
127	9.1	7.4	11.0

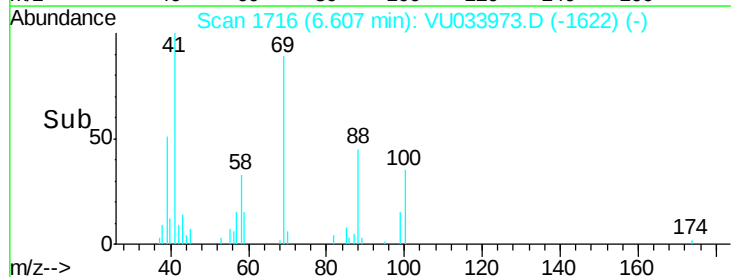
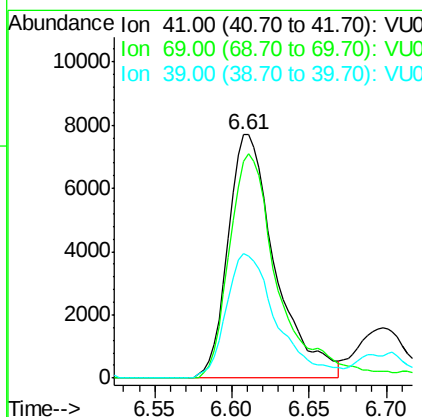
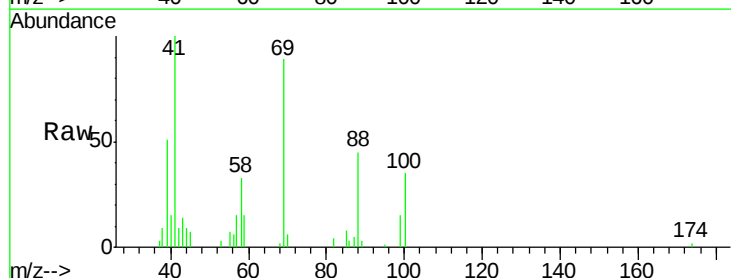
Manual Integrations
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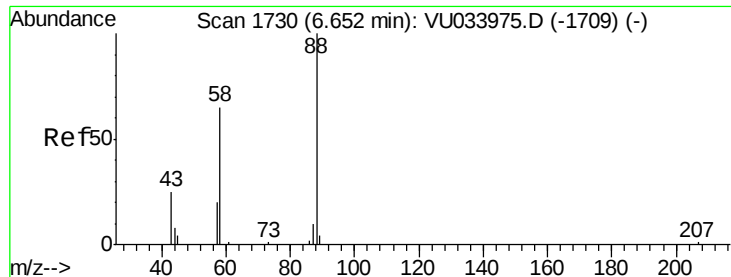
MMDadoda
8/28/2019 9:57:41 AM



#48
Methyl methacrylate
Concen: 3.986 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion:	41	Resp:	16341
Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.3	114.5
39	54.8	41.1	61.7





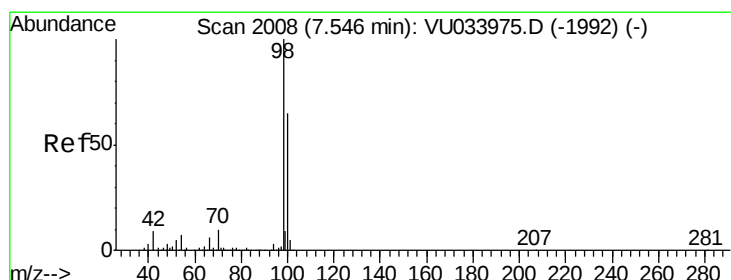
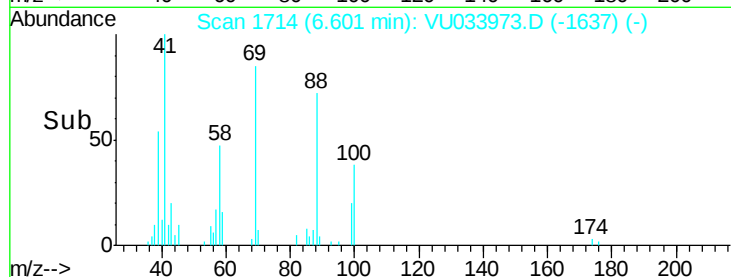
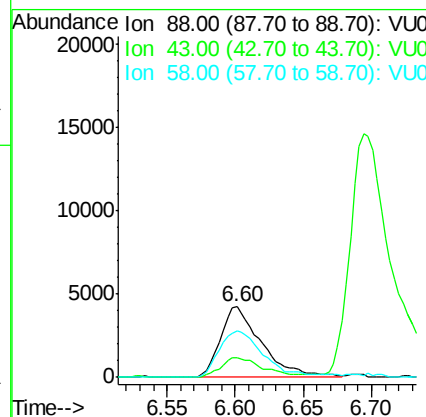
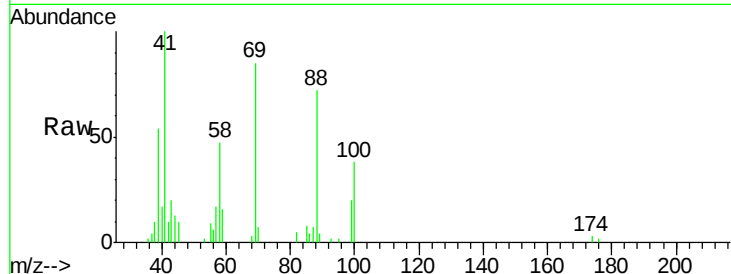
#49
1,4-Dioxane
Concen: 92.165 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.05 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	0.0	0.0#
58	68.7	56.6	85.0

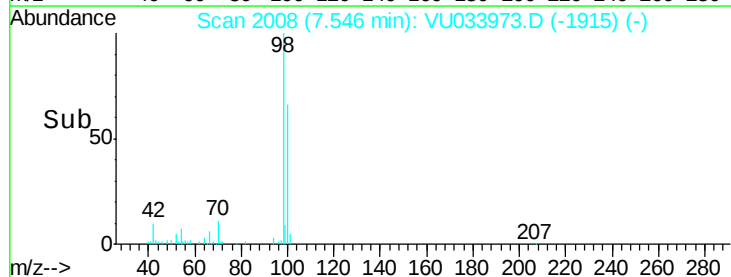
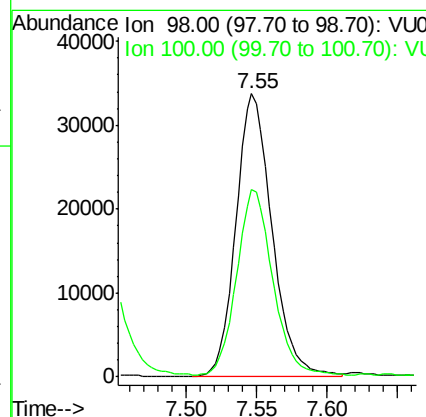
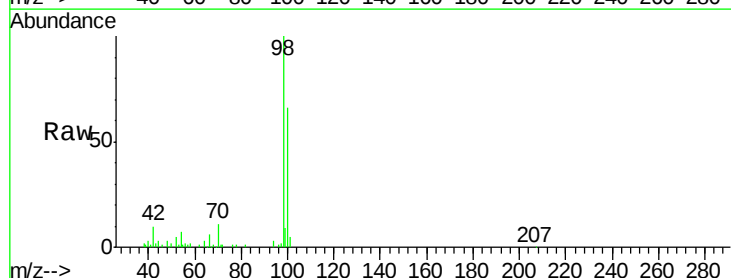
Manual Integrations
APPROVED

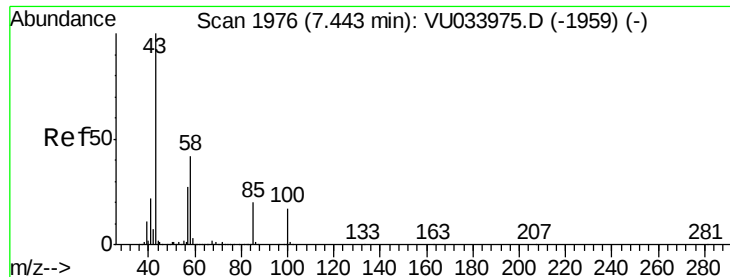
MMDadoda
8/28/2019 9:57:41 AM



#50
Toluene-d8
Concen: 4.389 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.5	77.3





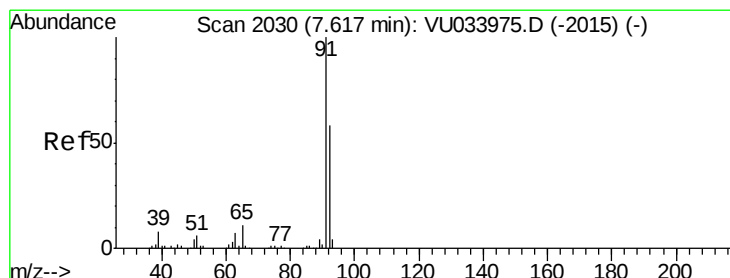
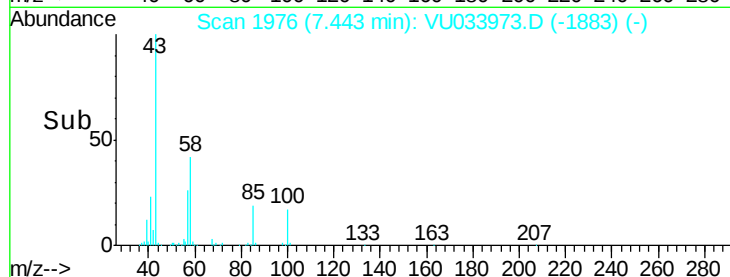
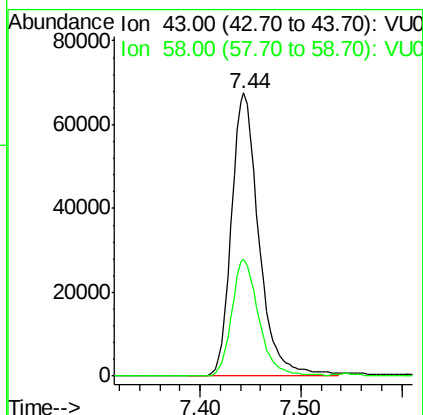
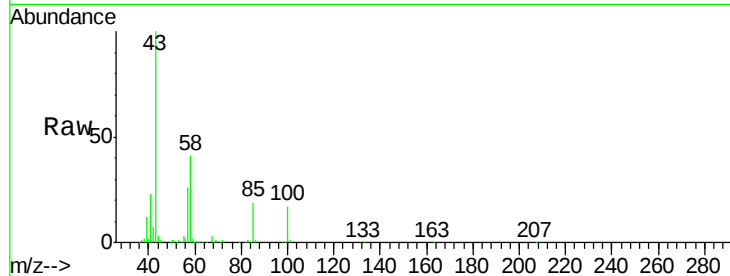
#51
4-Methyl-2-Pentanone
Concen: 20.786 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.6	50.4

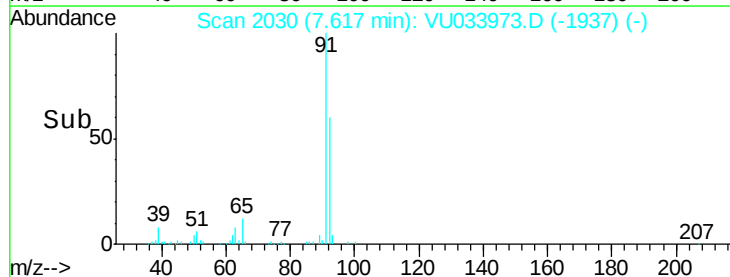
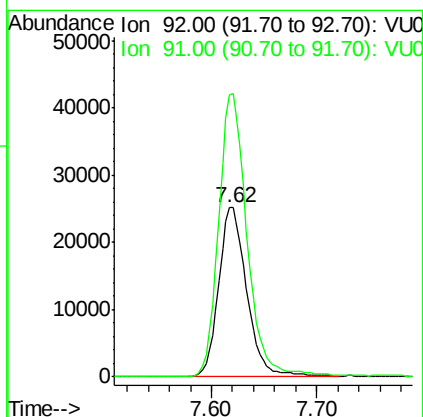
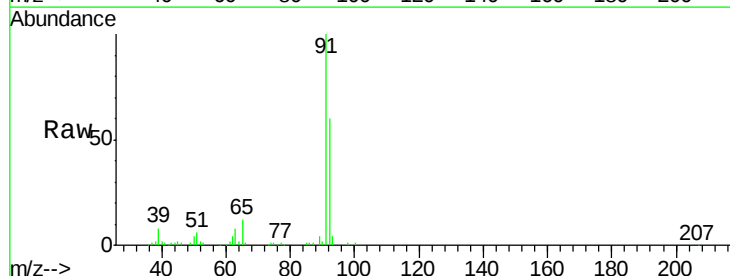
Manual Integrations
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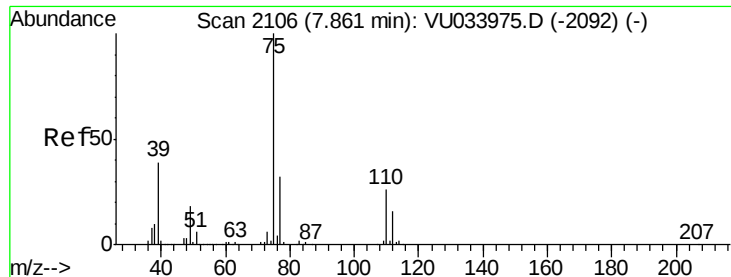
MMDadoda
8/28/2019 9:57:41 AM



#52
Toluene
Concen: 4.994 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.7	138.8	208.2





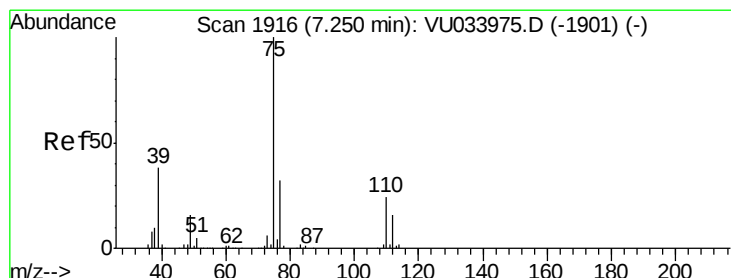
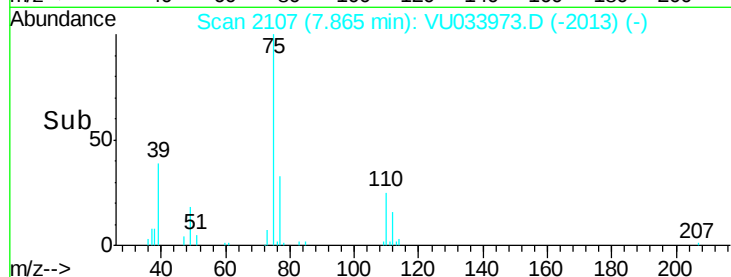
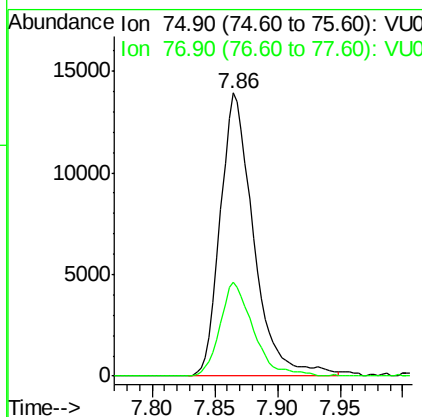
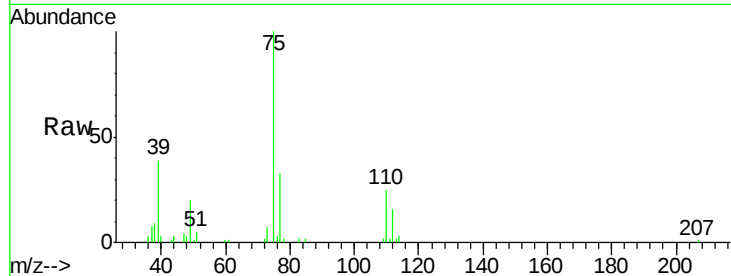
#53
t-1,3-Dichloropropene
Concen: 4.339 ug/l
RT: 7.86 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 25770
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.2

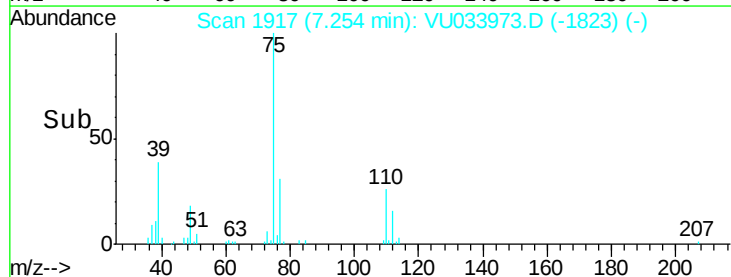
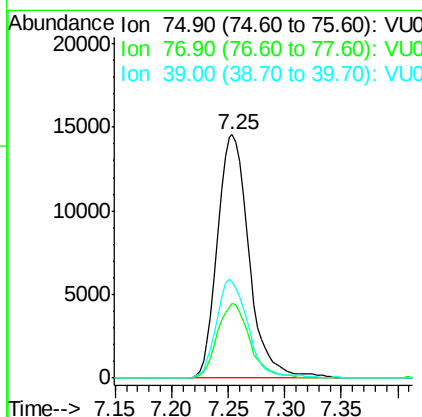
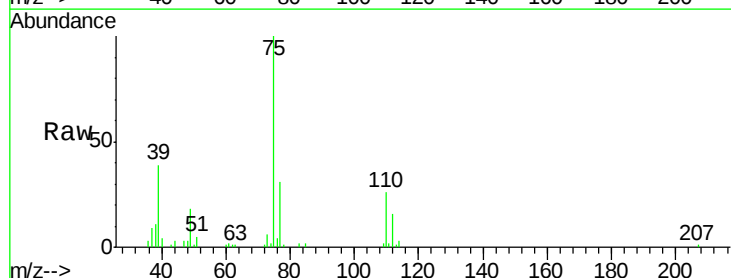
Manual Integrations
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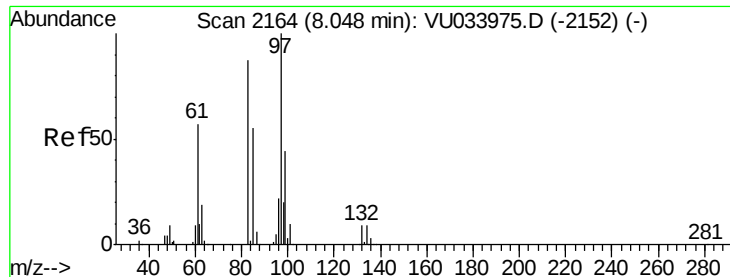
MMDadoda
8/28/2019 9:57:41 AM



#54
cis-1,3-Dichloropropene
Concen: 4.279 ug/l
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 75 Resp: 28313
Ion Ratio Lower Upper
75 100
77 30.8 25.6 38.4
39 39.3 30.7 46.1





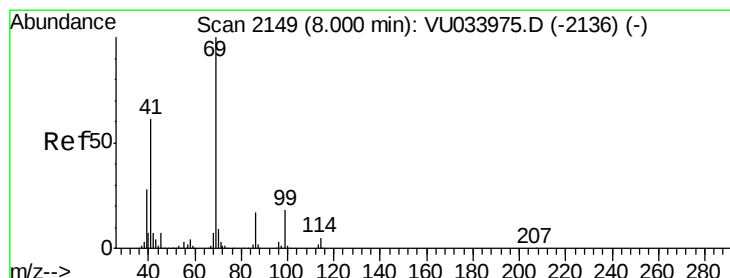
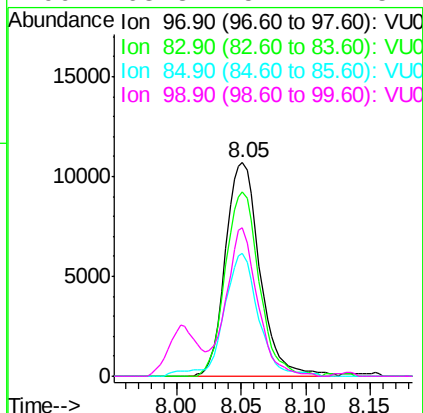
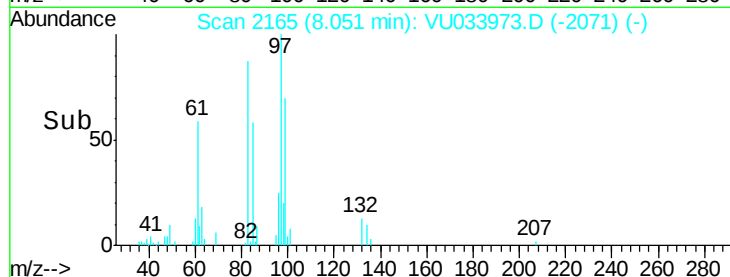
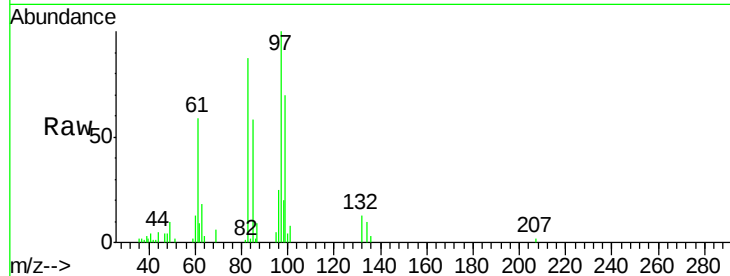
#55
 1,1,2-Trichloroethane
 Concen: 4.865 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	19903
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.8	104.6
85	57.6	45.2	67.8
99	68.3	52.2	78.4

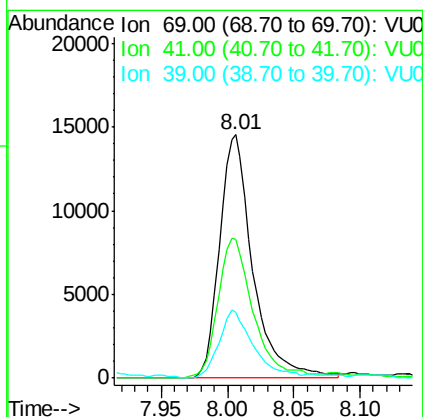
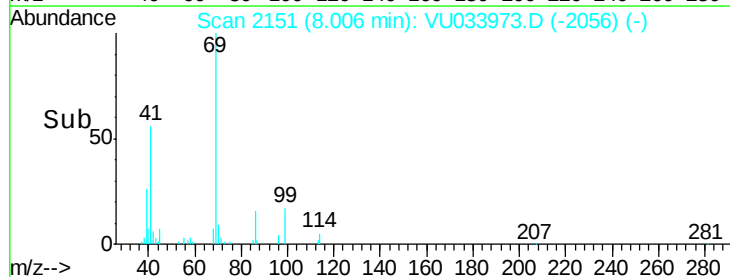
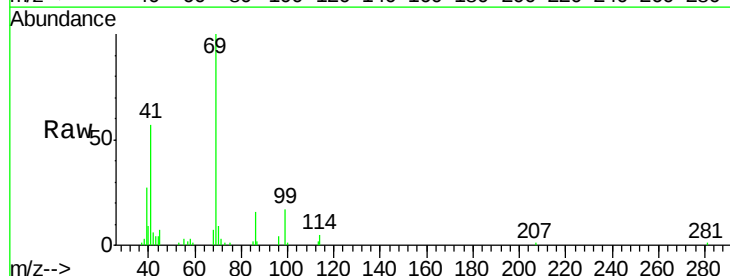
Manual Integrations
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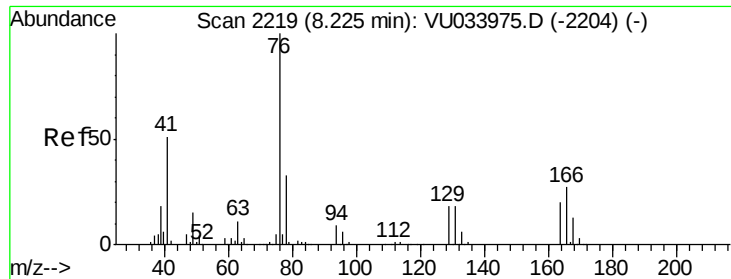
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 8/28/2019 9:57:41 AM



#56
 Ethyl methacrylate
 Concen: 4.554 ug/l
 RT: 8.01 min Scan# 2151
 Delta R.T. 0.01 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion:	69	Resp:	25312
Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.6	72.8
39	29.0	22.4	33.6





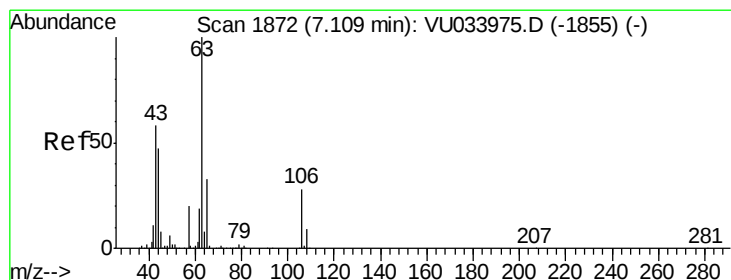
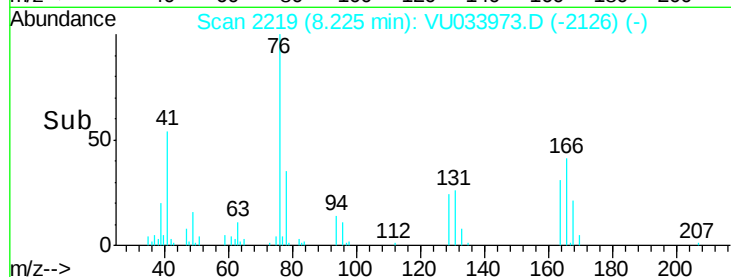
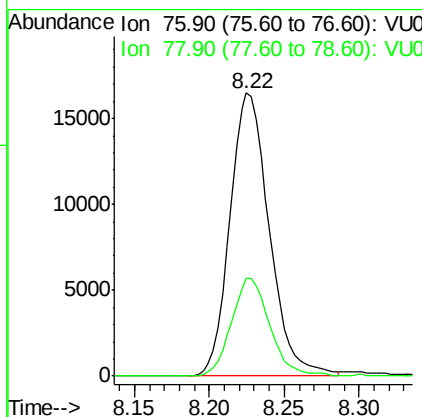
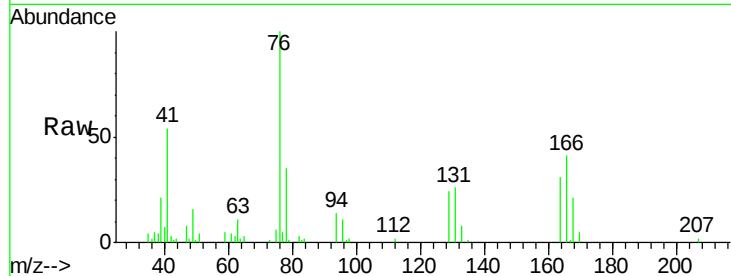
#57
 1,3-Dichloropropane
 Concen: 4.271 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 30210
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.7 38.5

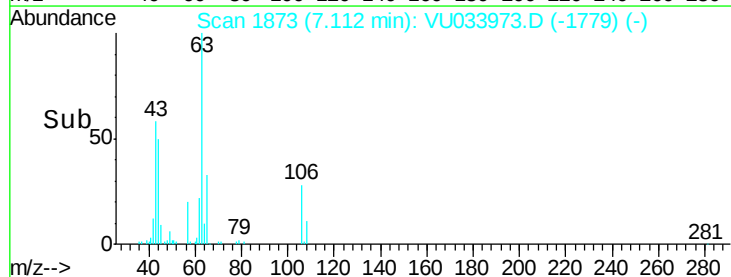
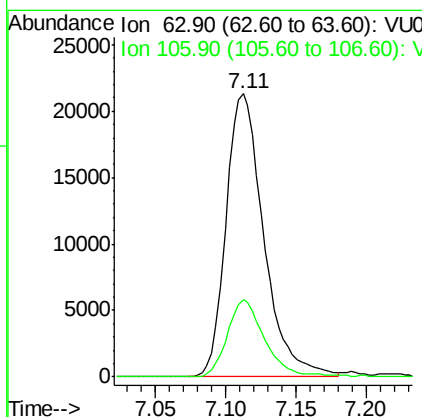
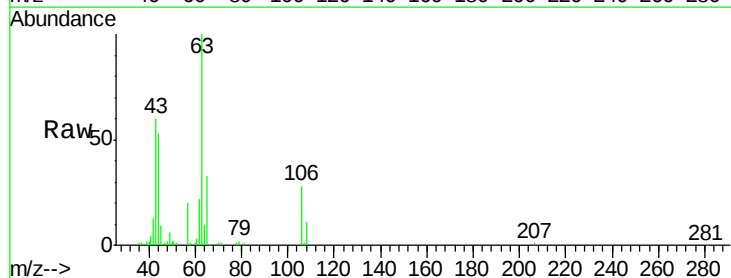
Manual Integrations
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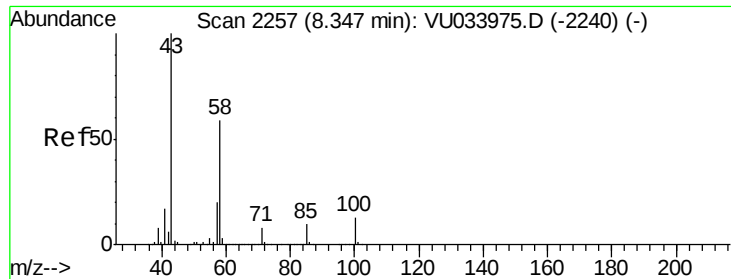
MMDadoda
 8/28/2019 9:57:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.125 ug/l
 RT: 7.11 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 63 Resp: 39925
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.4 33.6





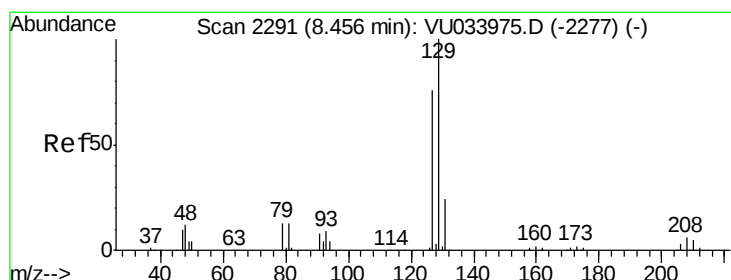
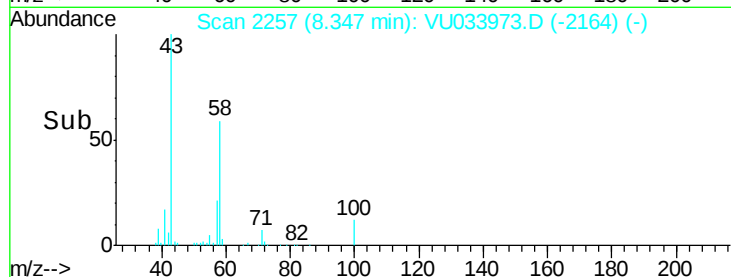
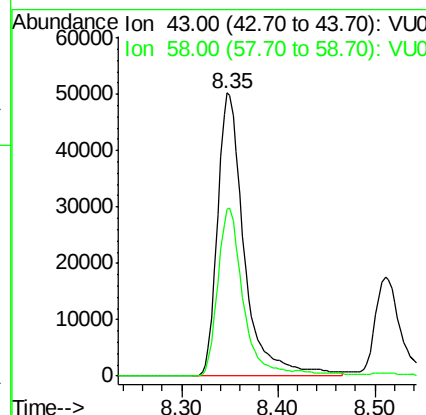
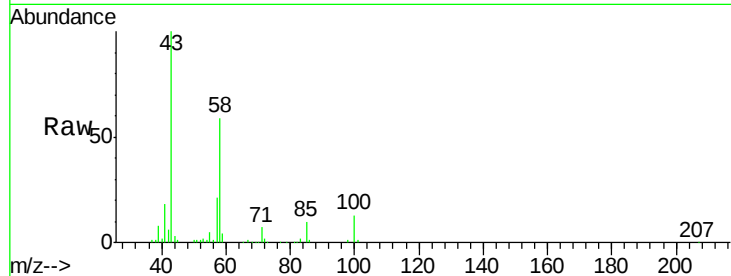
#59
2-Hexanone
Concen: 20.575 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	29.5	88.6

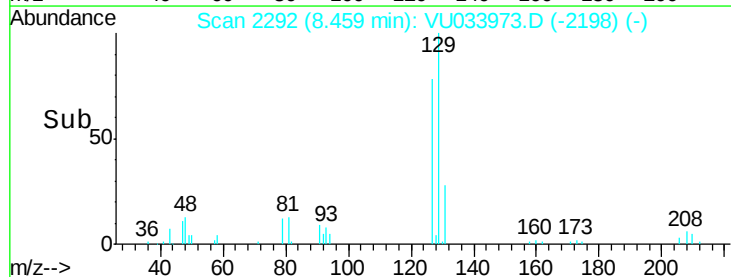
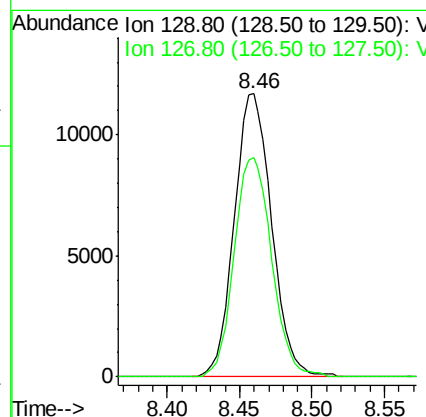
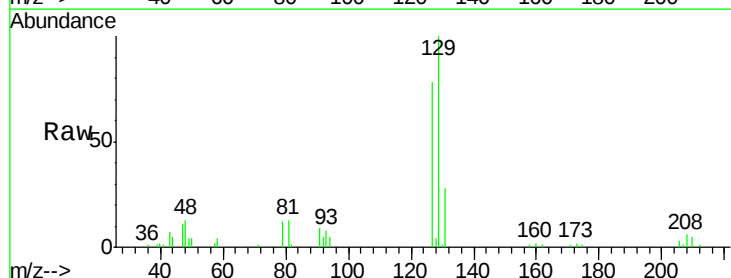
Manual Integrations
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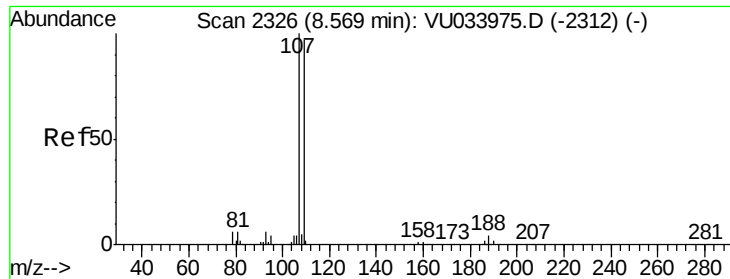
MMDadoda
8/28/2019 9:57:41 AM



#60
Dibromochloromethane
Concen: 4.842 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.8	116.4





#61

1,2-Dibromoethane

Concen: 4.713 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 20040

Ion Ratio Lower Upper

107 100

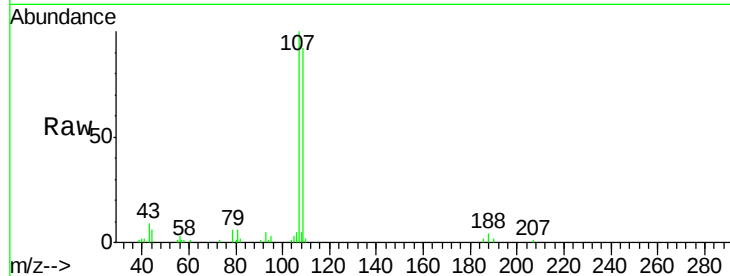
109 94.4 75.7 113.5

Manual Integrations

APPROVED

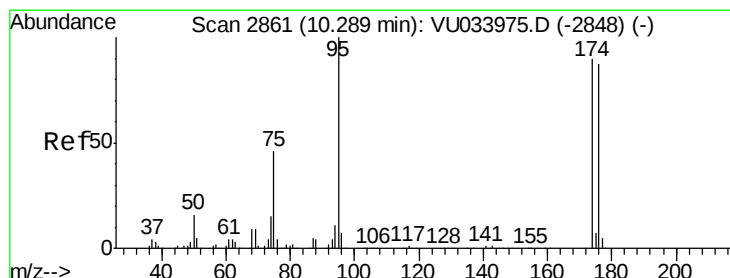
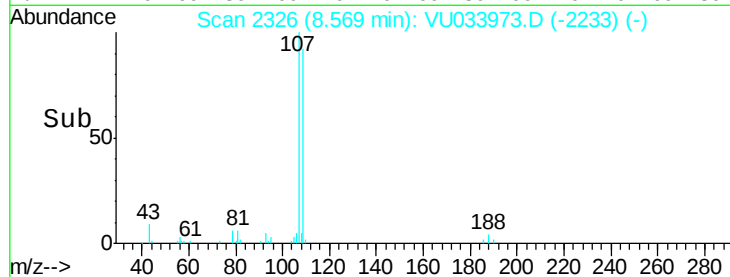
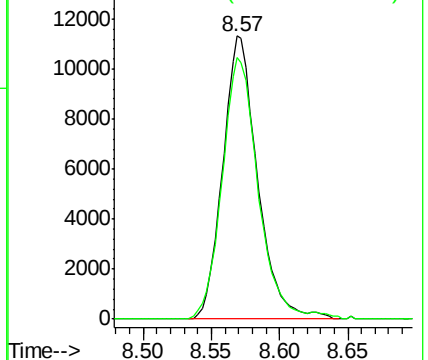
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.969 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

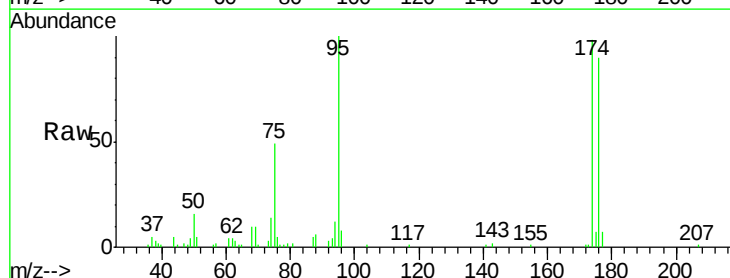
Tgt Ion: 95 Resp: 26234

Ion Ratio Lower Upper

95 100

174 94.8 0.0 183.8

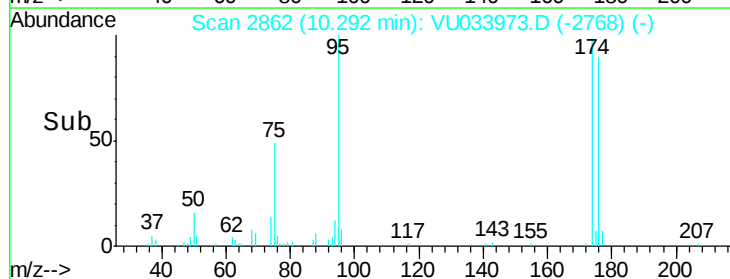
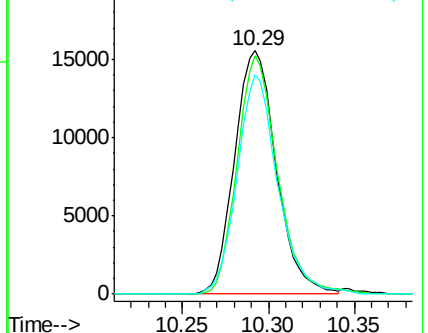
176 87.7 0.0 176.4

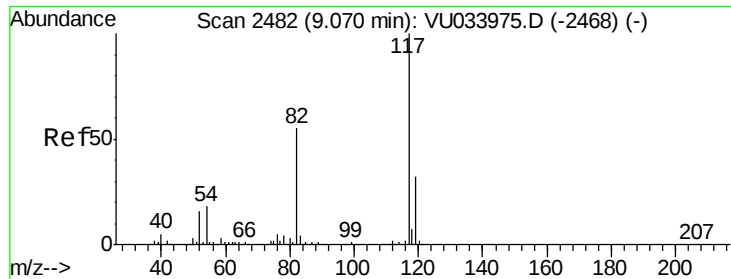


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





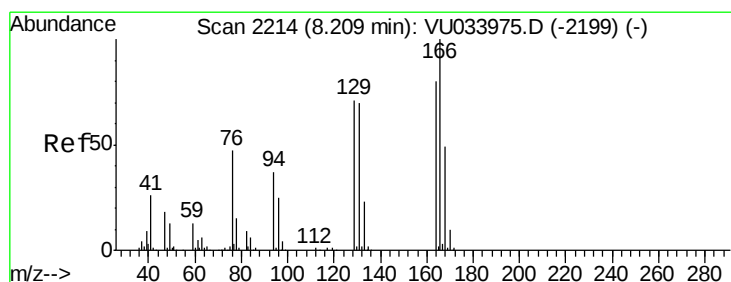
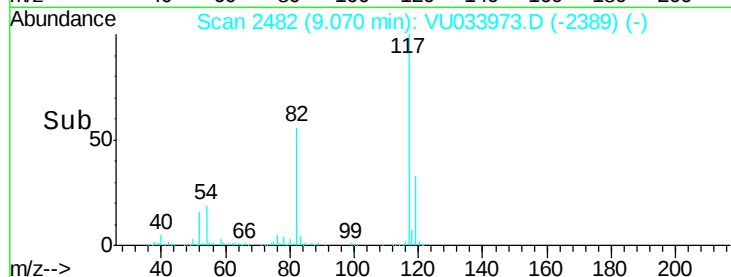
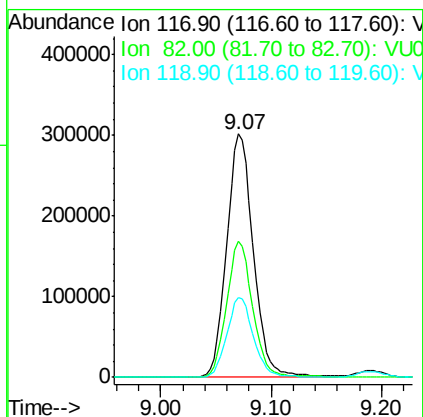
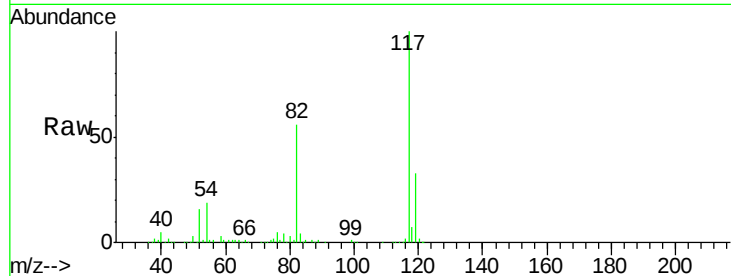
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	508287		
82	55.7		43.8	65.8
119	33.0		25.7	38.5

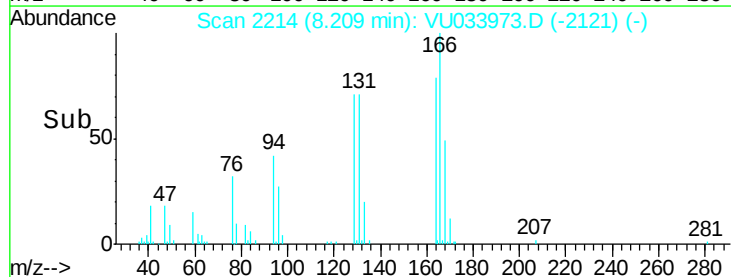
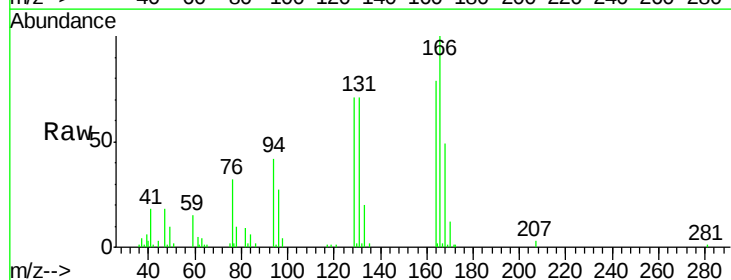
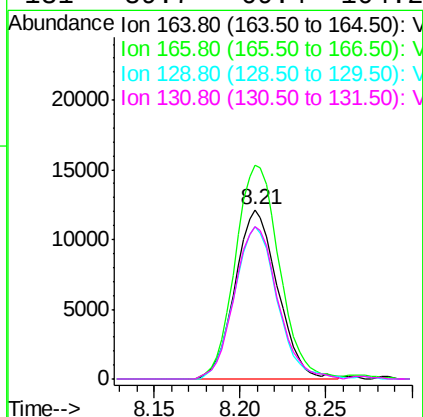
Manual Integrations
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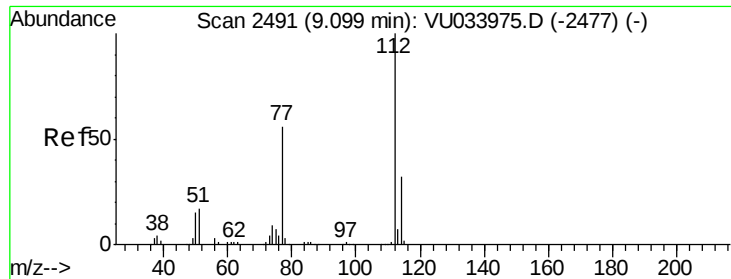
MMDadoda
8/28/2019 9:57:41 AM



#64
Tetrachloroethene
Concen: 5.570 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20905		
166	126.1		99.5	149.3
129	89.6		70.9	106.3
131	89.7		69.4	104.2





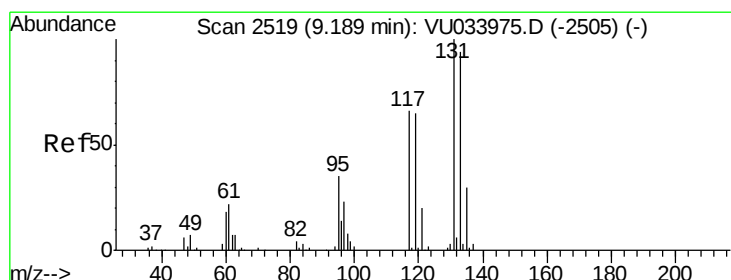
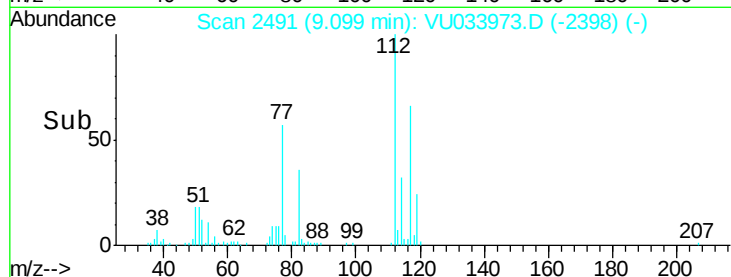
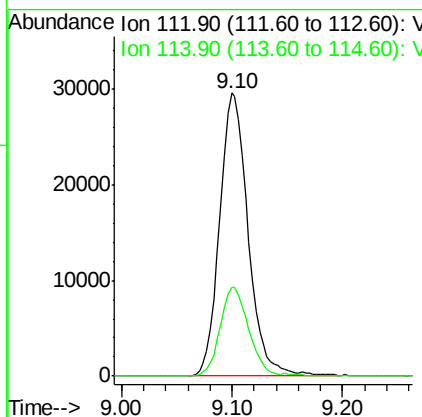
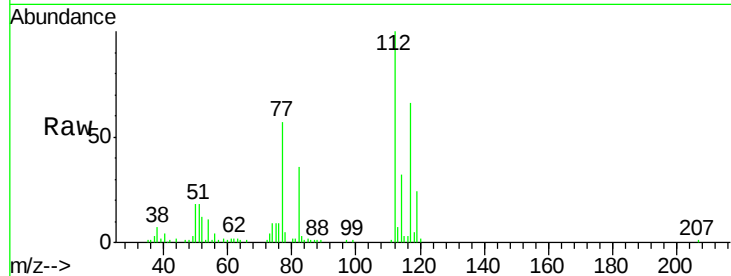
#65
Chlorobenzene
Concen: 5.064 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 53124
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8

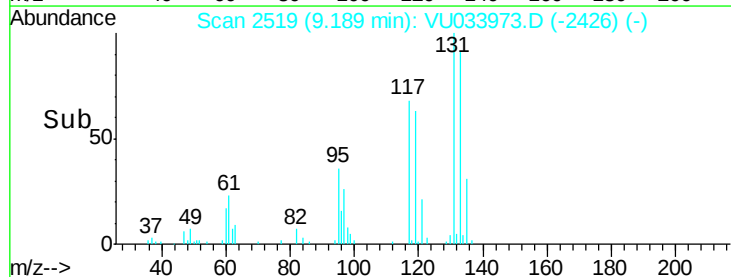
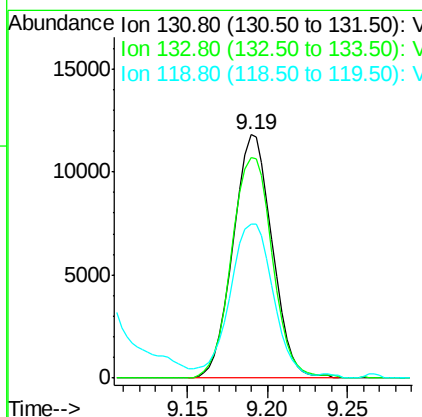
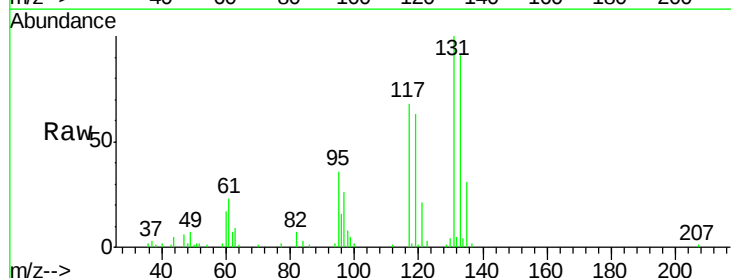
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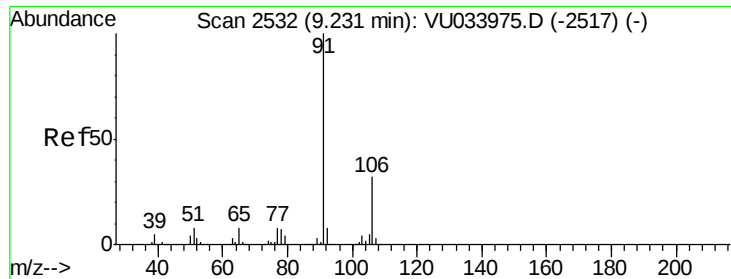
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.039 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion:131 Resp: 19622
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 67.8 33.0 98.9





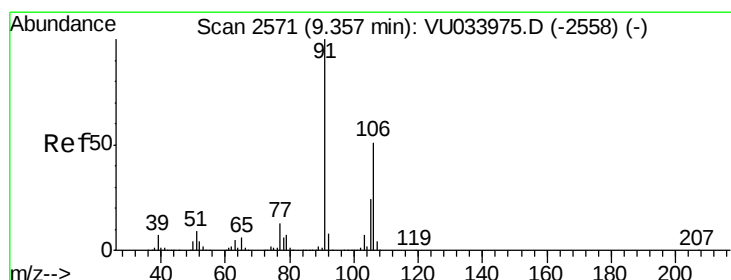
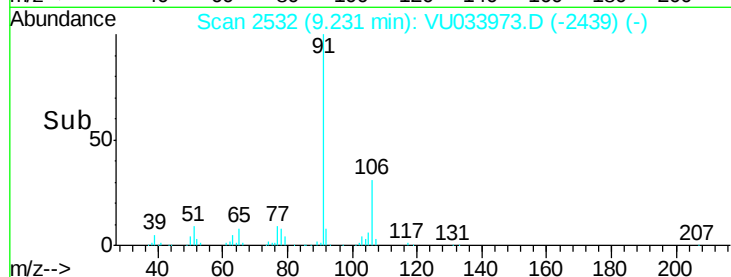
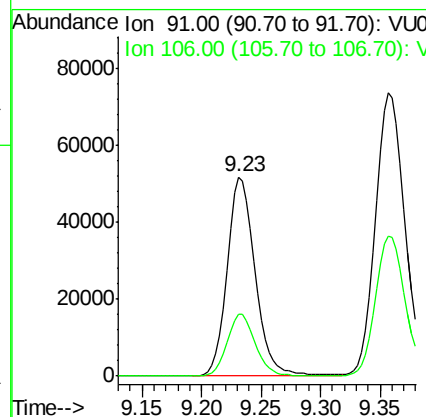
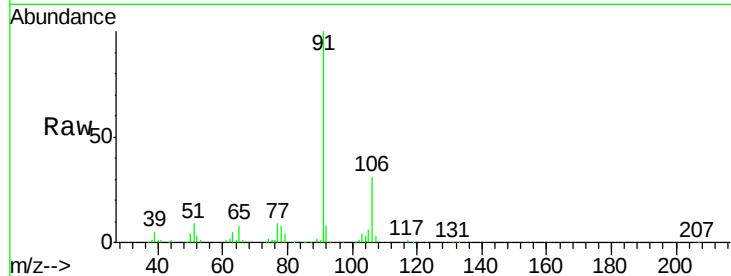
#67
Ethyl Benzene
Concen: 4.948 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 84761
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0

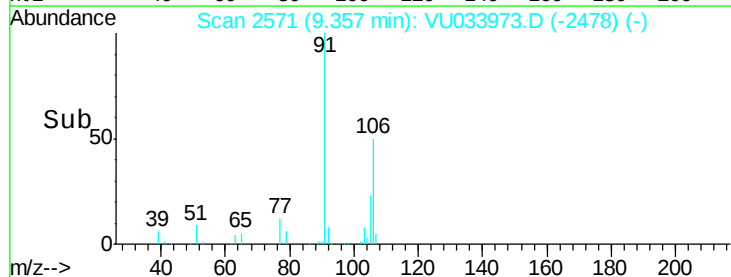
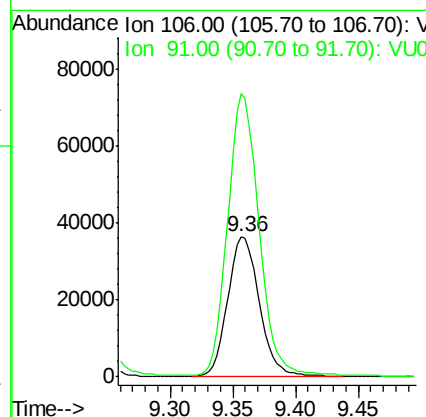
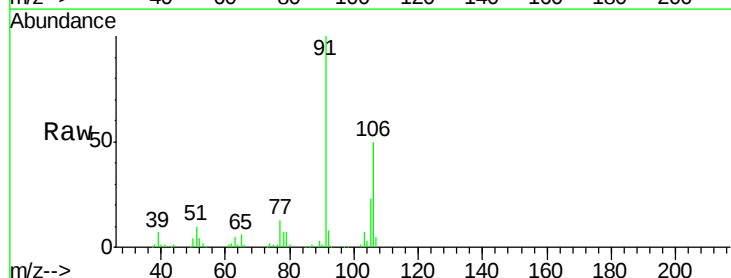
Manual Integrations
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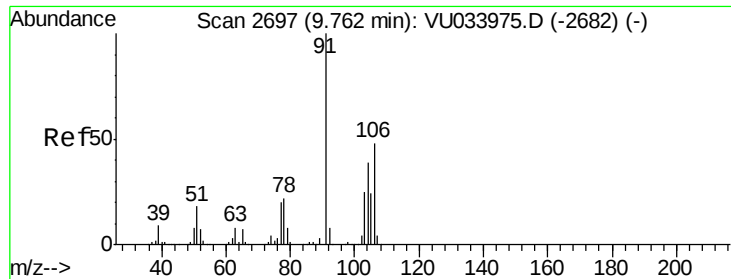
MMDadoda
8/28/2019 9:57:41 AM



#68
m/p-Xylenes
Concen: 10.037 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 106 Resp: 63647
Ion Ratio Lower Upper
106 100
91 199.7 158.4 237.6





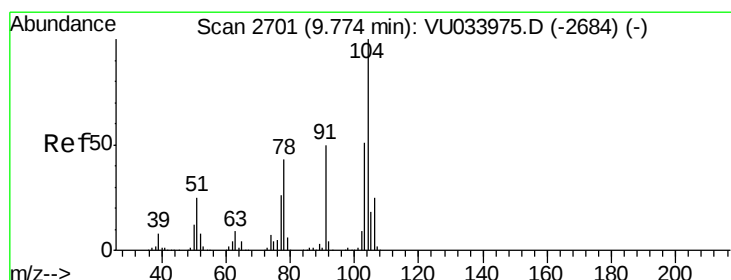
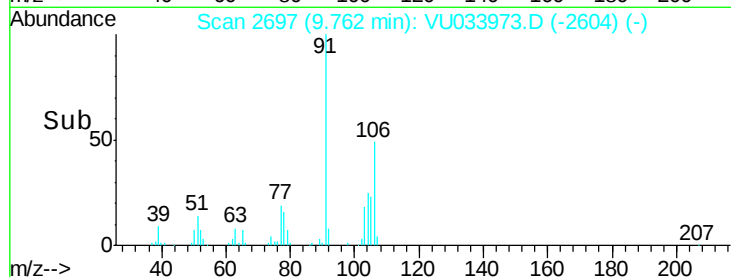
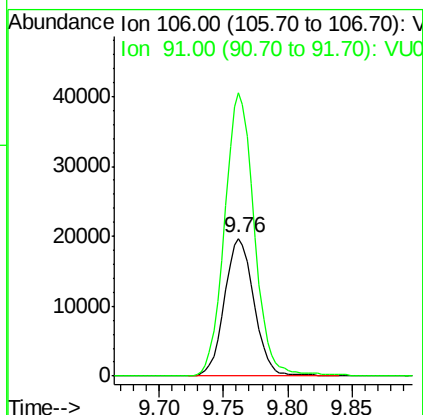
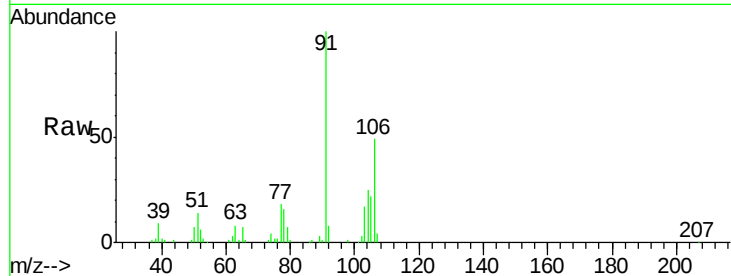
#69
o-Xylene
Concen: 5.187 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.5	104.5	313.3

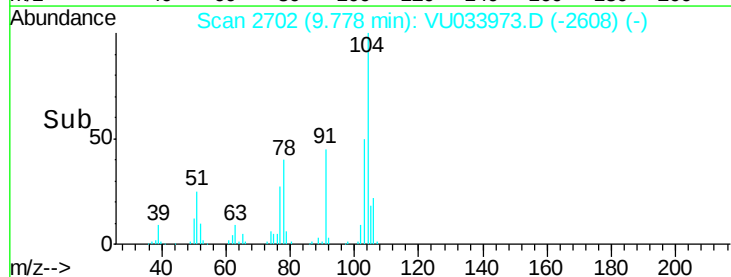
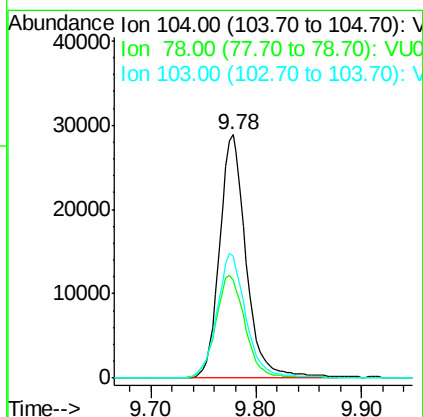
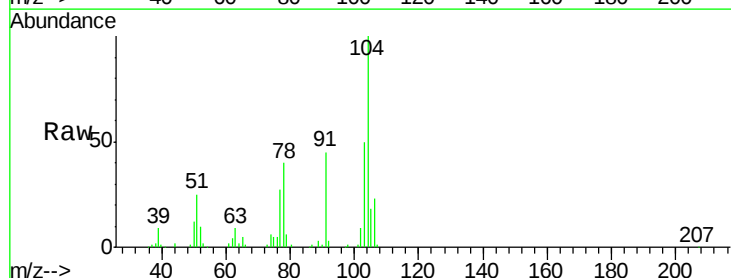
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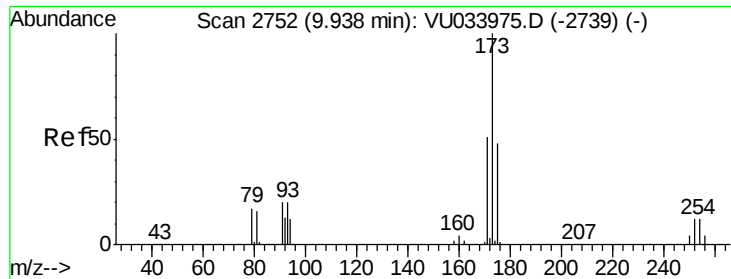
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#70
Styrene
Concen: 4.810 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.5	56.3
103	55.6	43.9	65.9





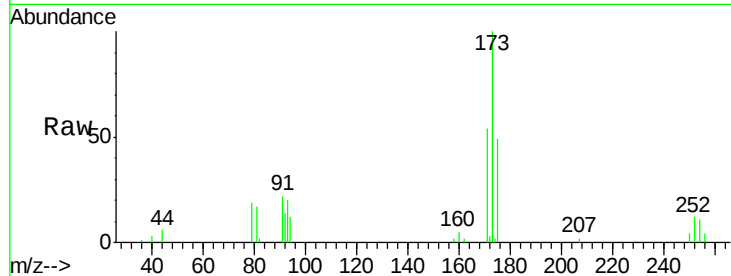
#71
Bromoform
Concen: 5.091 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

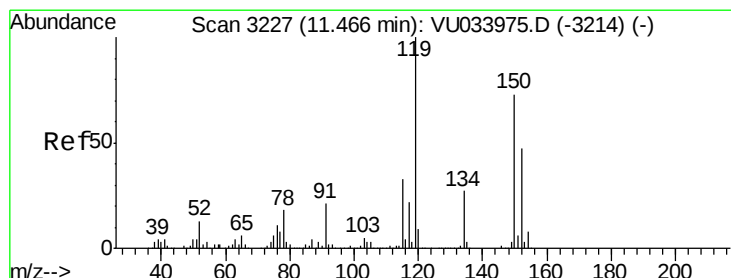
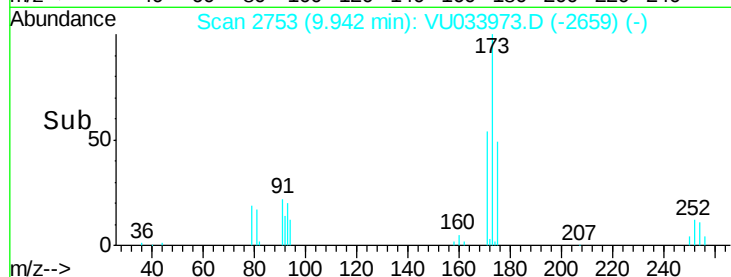
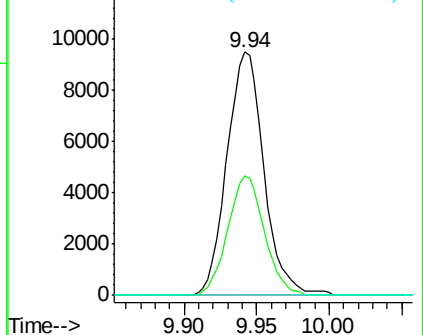
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.9
254	0.0	0.1	0.1#

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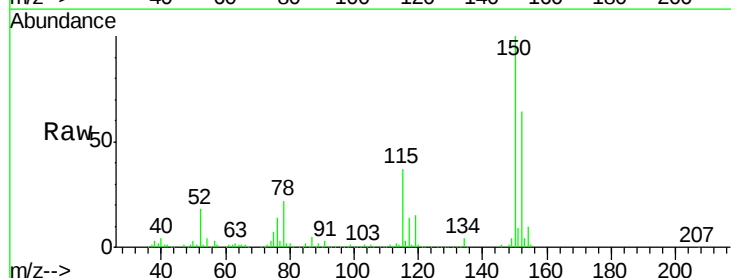


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

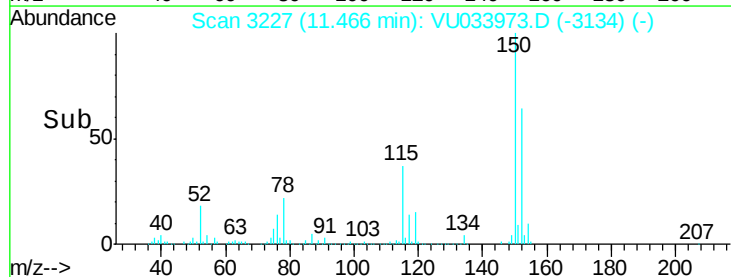
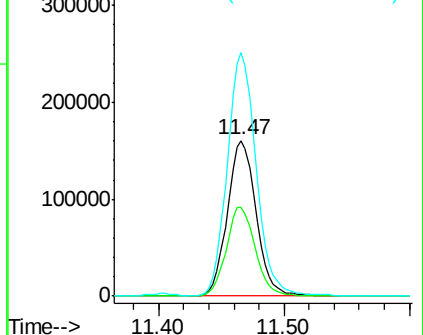


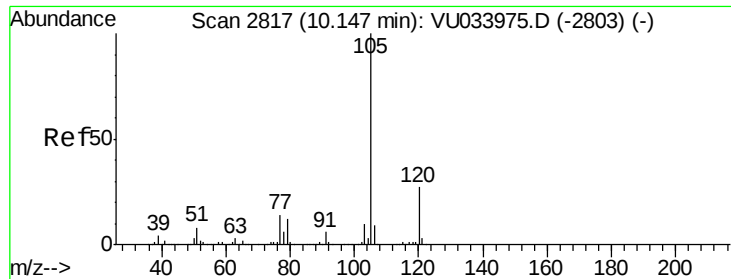
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	38.6	115.7
150	156.8	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: 5.246 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 82678

Ion Ratio Lower Upper

105 100

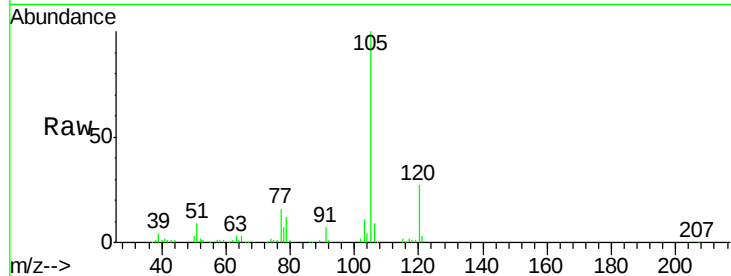
120 27.2 13.5 40.5

Manual Integrations

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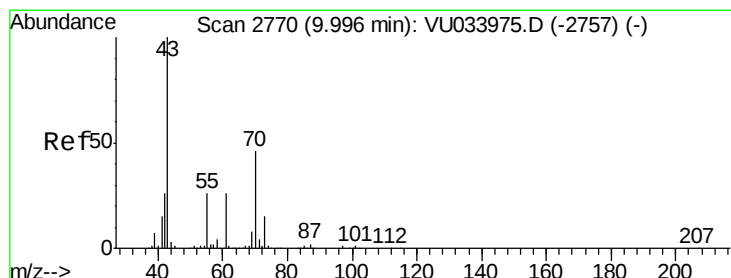
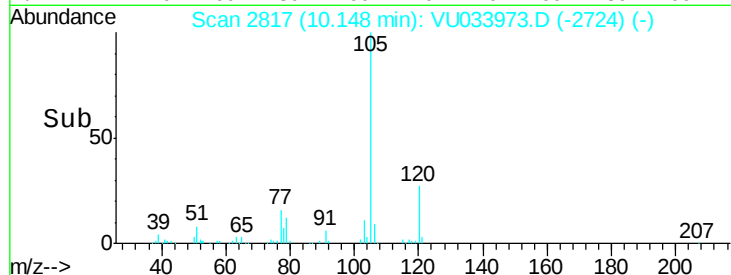
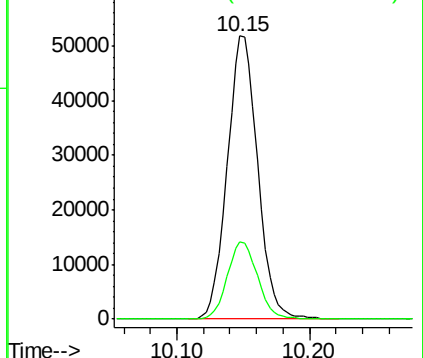
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.466 ug/l

RT: 10.00 min Scan# 2771

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion: 43 Resp: 29559

Ion Ratio Lower Upper

43 100

70 44.4 37.4 56.0

55 25.6 21.0 31.4

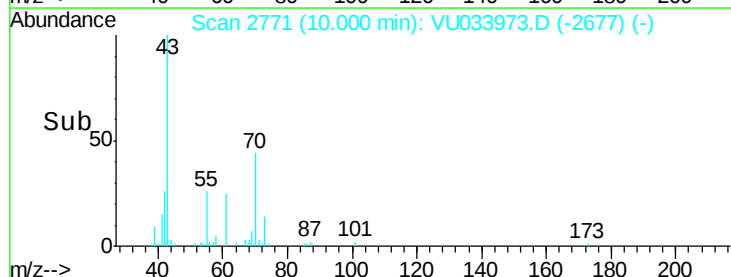
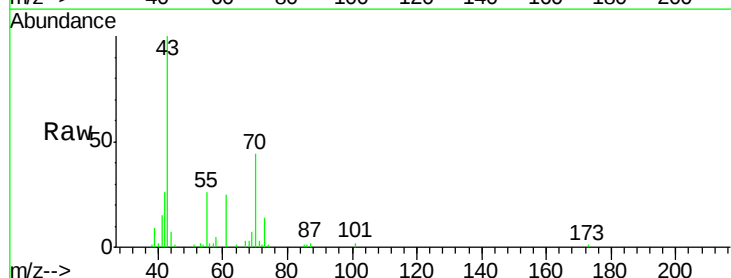
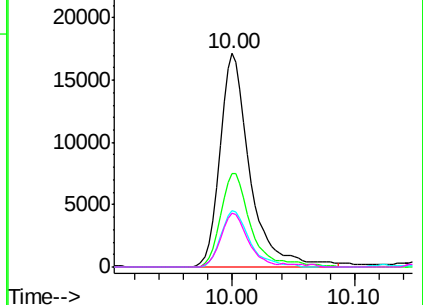
61 23.1 20.9 31.3

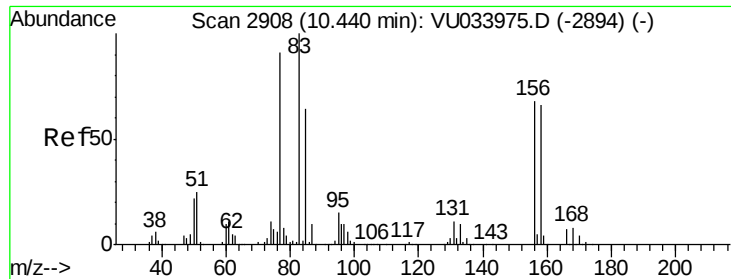
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.869 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

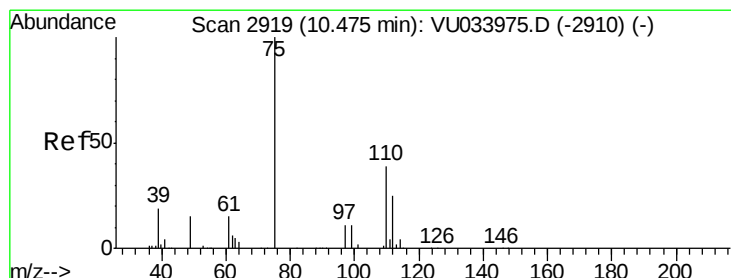
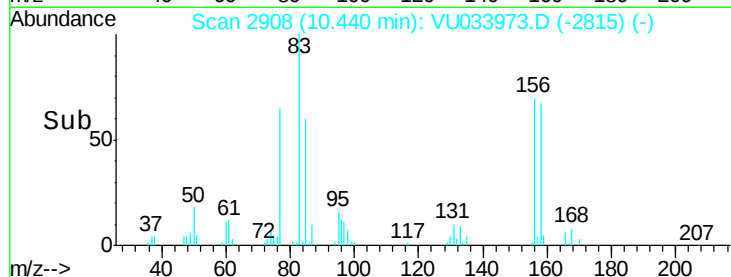
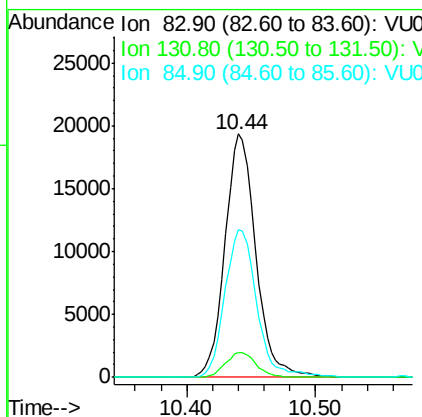
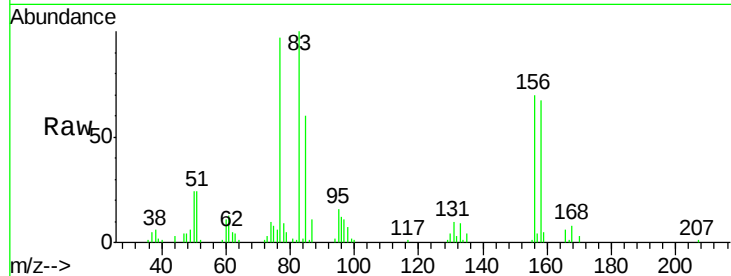
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32130
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.3	16.1
85	62.6	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.675 ug/l m

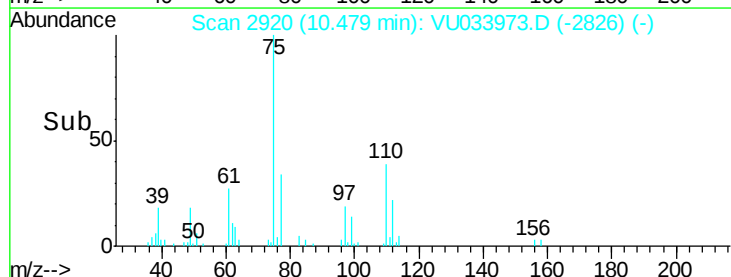
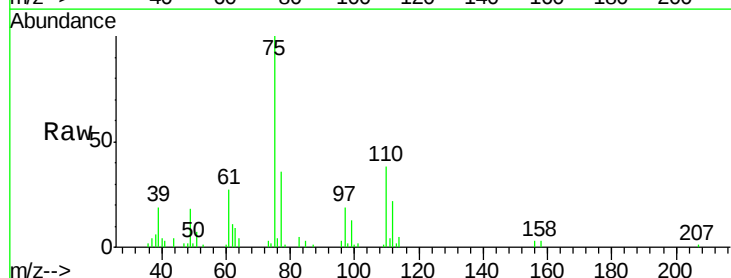
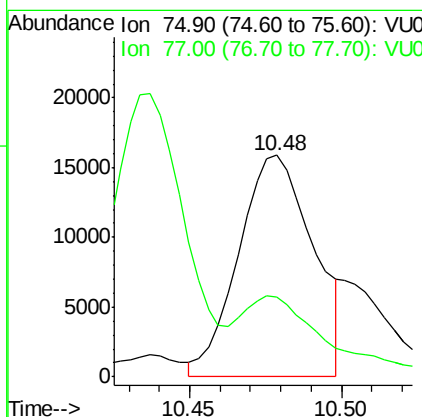
RT: 10.48 min Scan# 2920

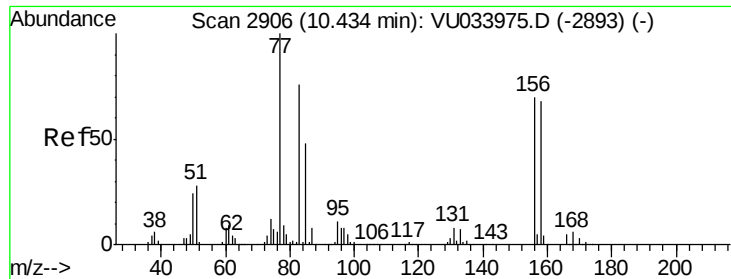
Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion:	75	Resp:	27160
Ion	Ratio	Lower	Upper
75	100		
77	42.9	21.0	63.0





#77

Bromobenzene

Concen: 5.666 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 24099

Ion Ratio Lower Upper

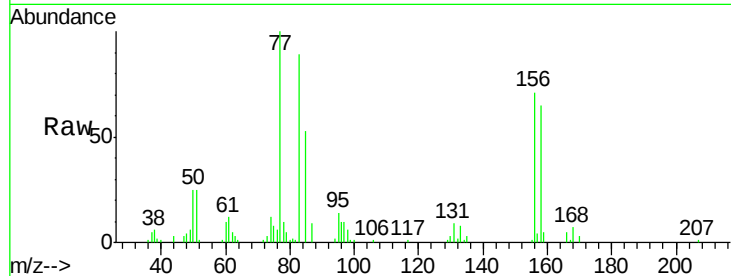
156 100

77 142.1 70.3 211.1

158 97.4 48.3 144.8

Manual Integrations
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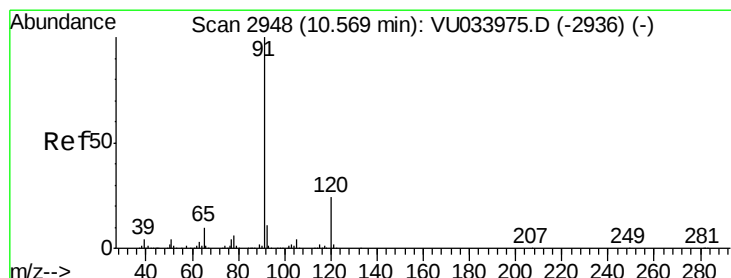
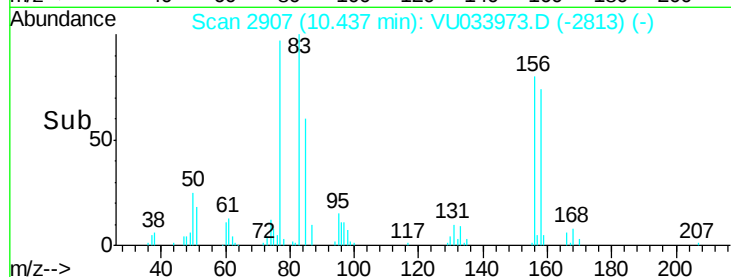
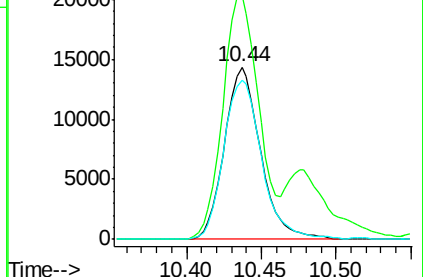
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.895 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033973.D

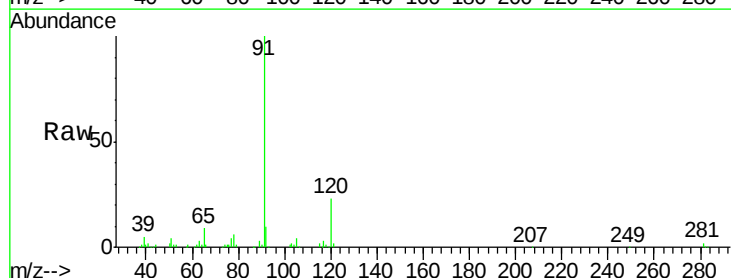
Acq: 27 Aug 2019 15:07

Tgt Ion: 91 Resp: 91251

Ion Ratio Lower Upper

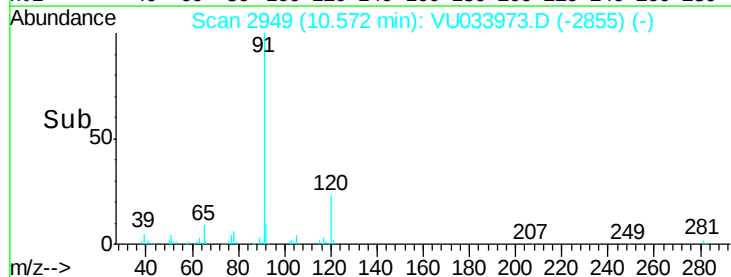
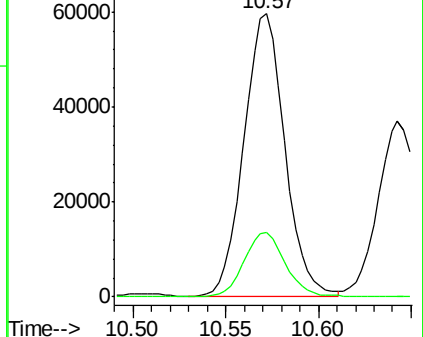
91 100

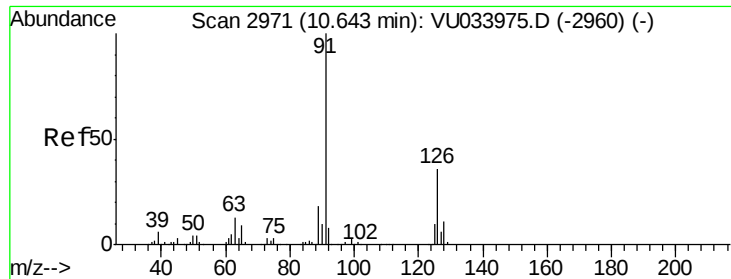
120 23.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.220 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 58383

Ion Ratio Lower Upper

91 100

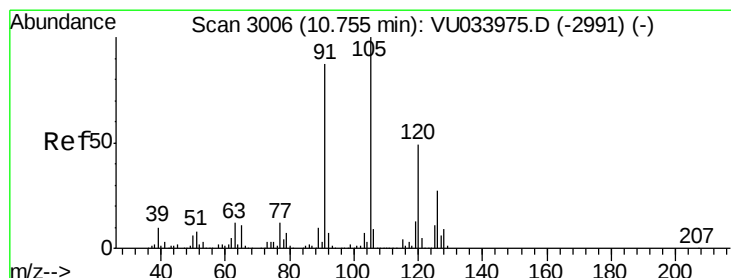
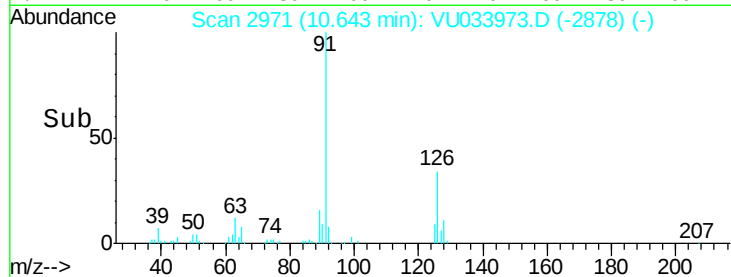
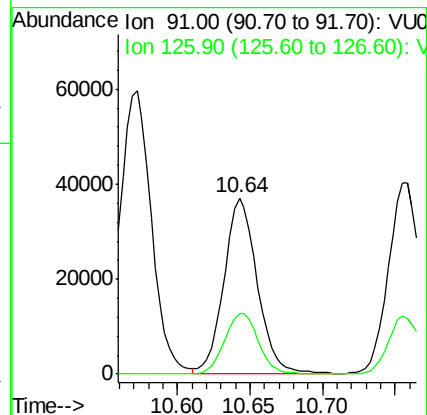
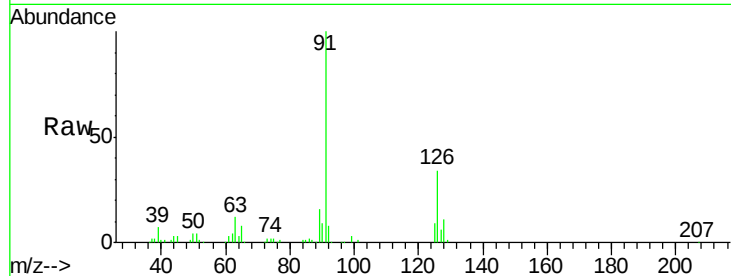
126 35.5 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.078 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033973.D

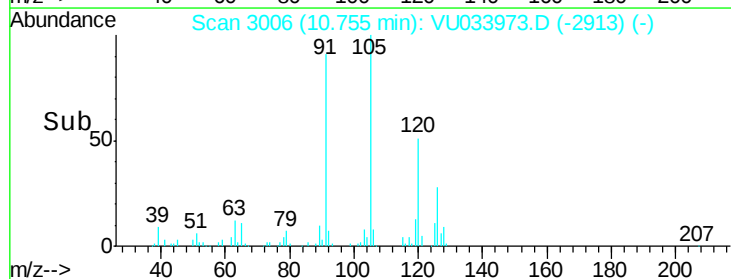
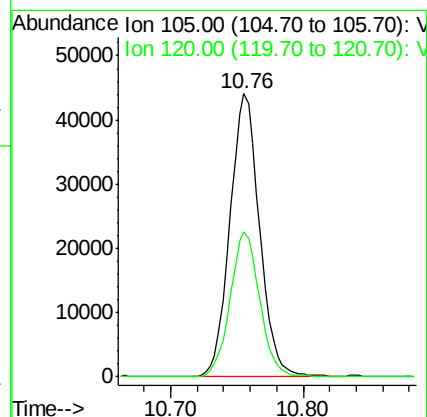
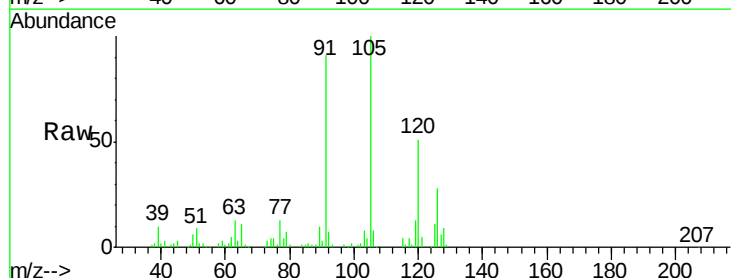
Acq: 27 Aug 2019 15:07

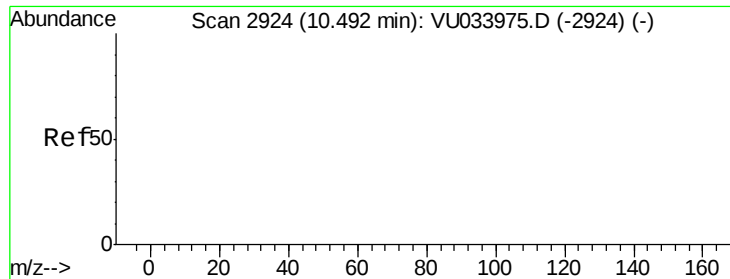
Tgt Ion: 105 Resp: 68472

Ion Ratio Lower Upper

105 100

120 50.8 24.6 73.6





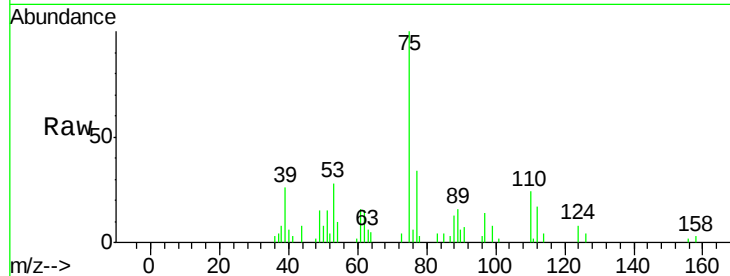
#81
trans-1,4-Dichloro-2-butene
Concen: 4.485 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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

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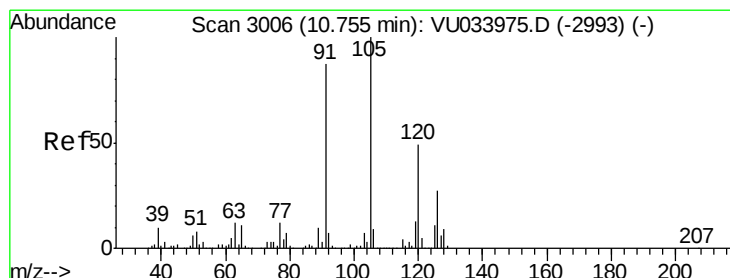
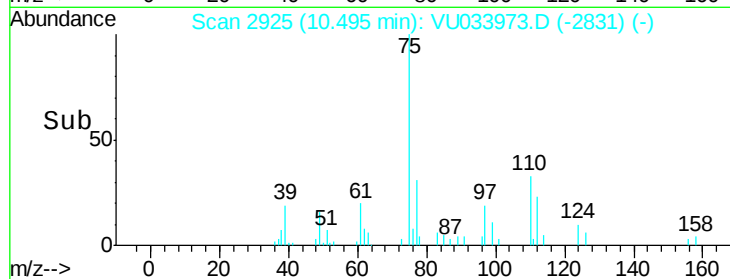
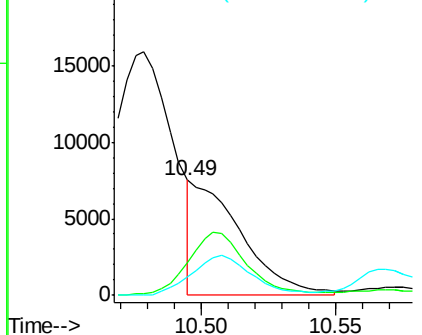
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Abundance Ion 74.90 (74.60 to 75.60): VU033975.D (-2924) (-)

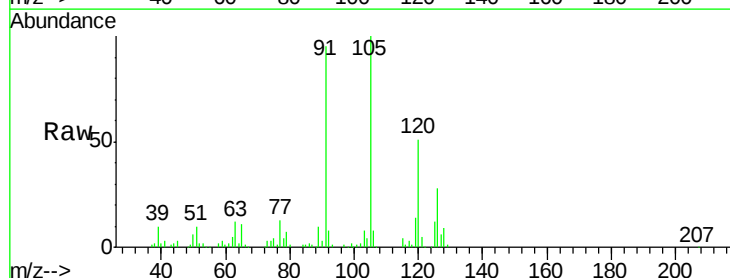
Ion 53.00 (52.70 to 53.70): VU033975.D (-2924) (-)

Ion 88.90 (88.60 to 89.60): VU033975.D (-2924) (-)



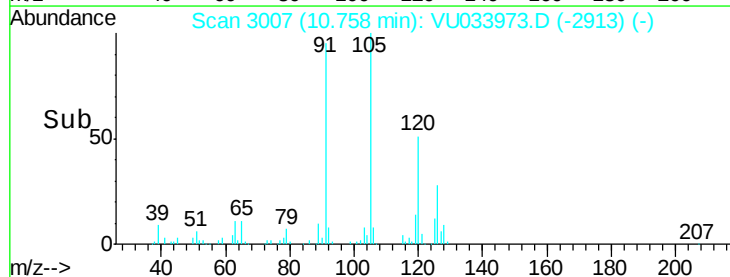
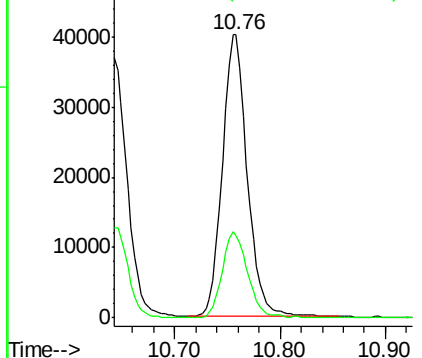
#82
4-Chlorotoluene
Concen: 4.986 ug/l
RT: 10.76 min Scan# 3007
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

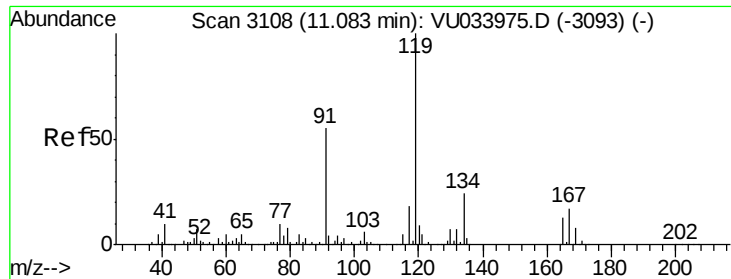
Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.4



Abundance Ion 91.00 (90.70 to 91.70): VU033975.D (-2993) (-)

Ion 125.90 (125.60 to 126.60): VU033975.D (-2993) (-)





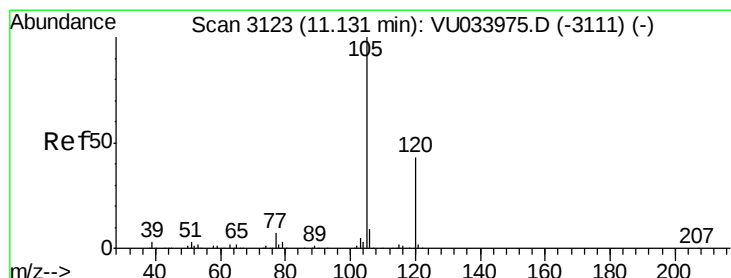
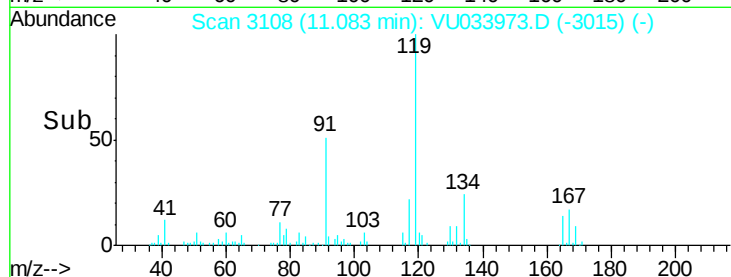
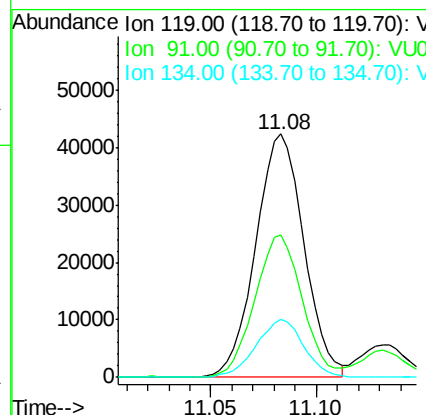
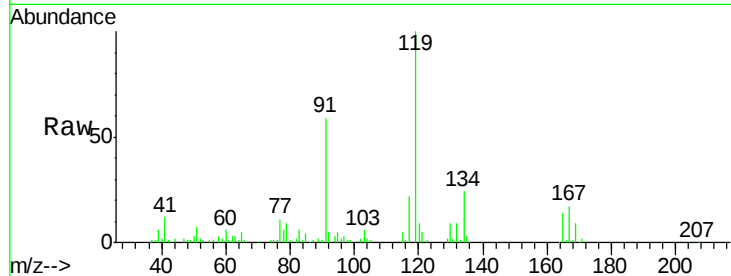
#83
tert-Butylbenzene
Concen: 5.334 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.0	27.6	82.8
134	23.5	11.6	34.7

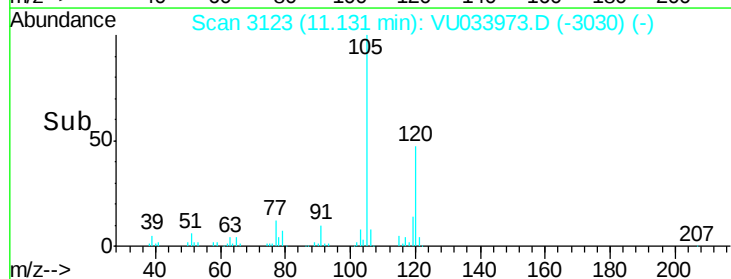
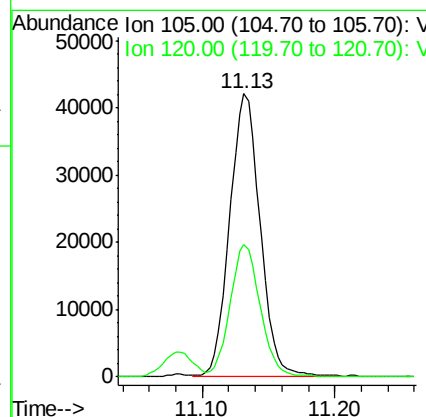
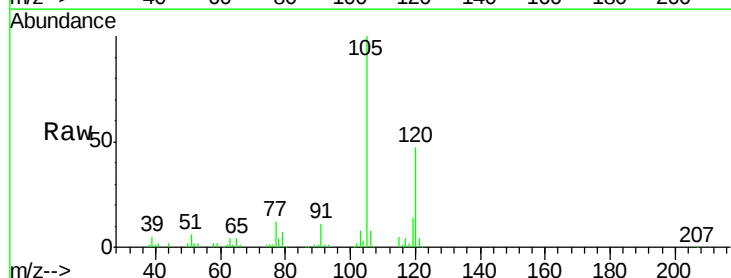
Manual Integrations
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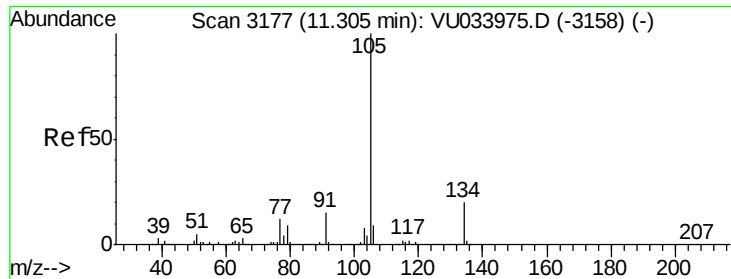
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#84
1,2,4-Trimethylbenzene
Concen: 5.086 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 5.072 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 80001

Ion Ratio Lower Upper

105 100

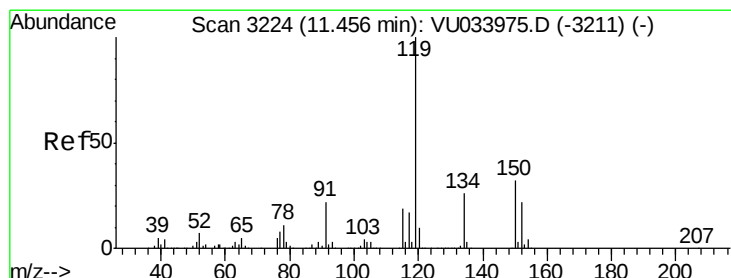
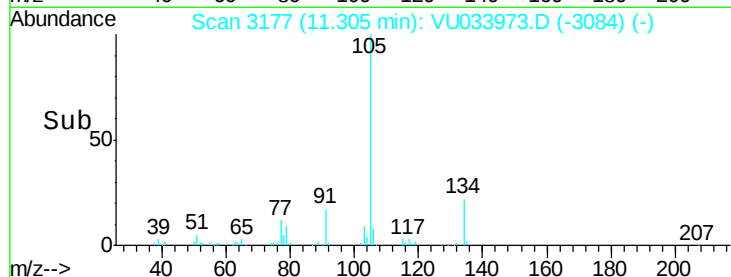
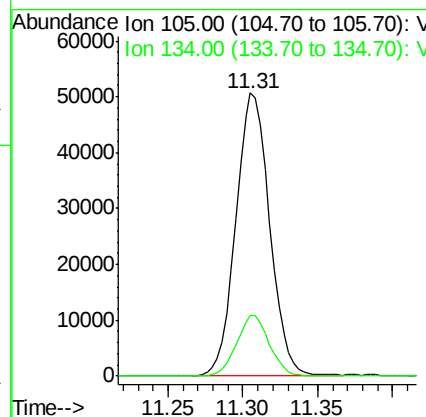
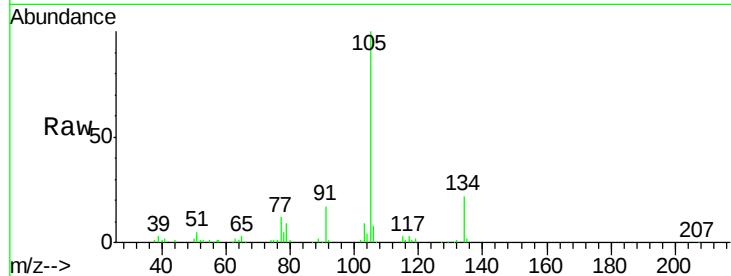
134 20.7 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.205 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

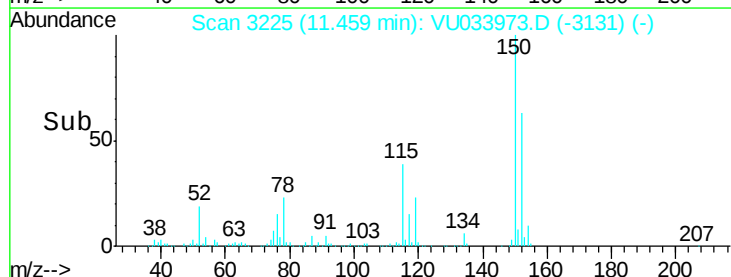
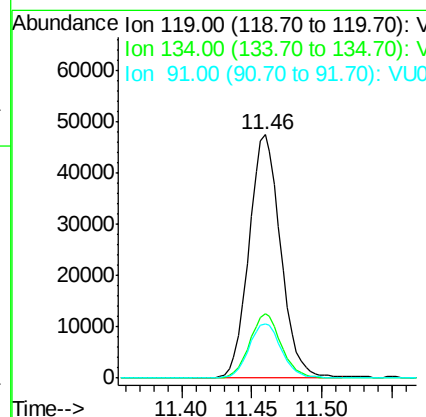
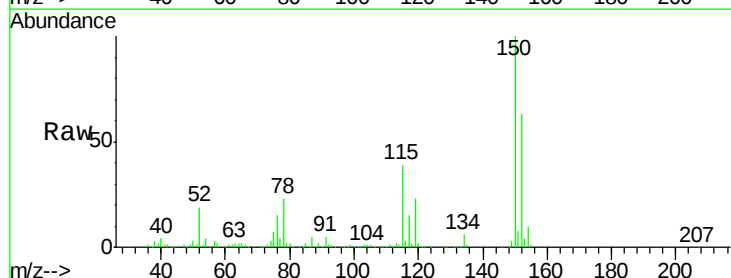
Tgt Ion:119 Resp: 74823

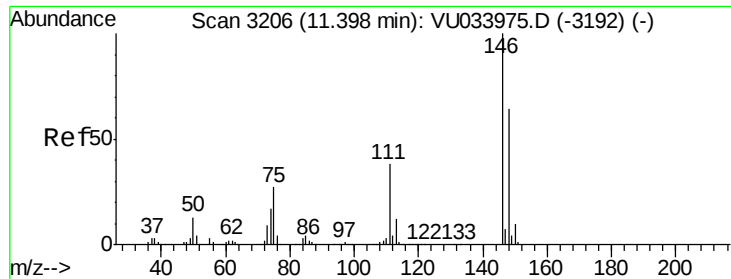
Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

91 22.9 10.9 32.9





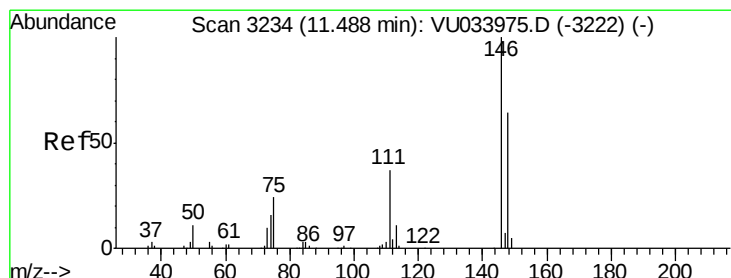
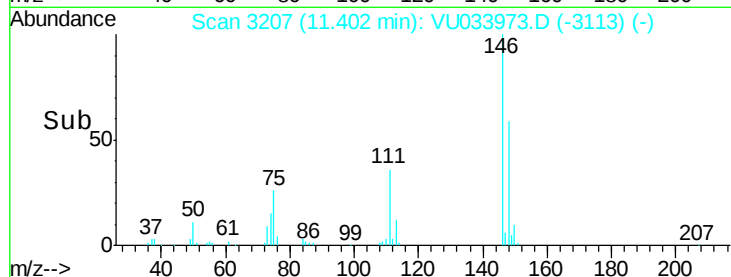
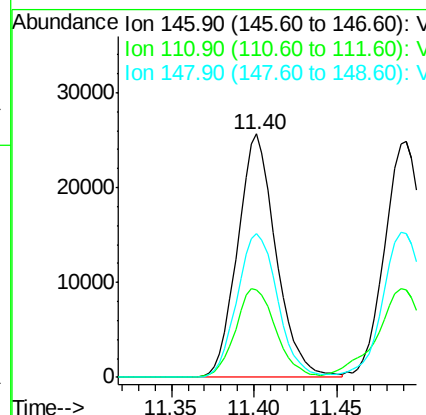
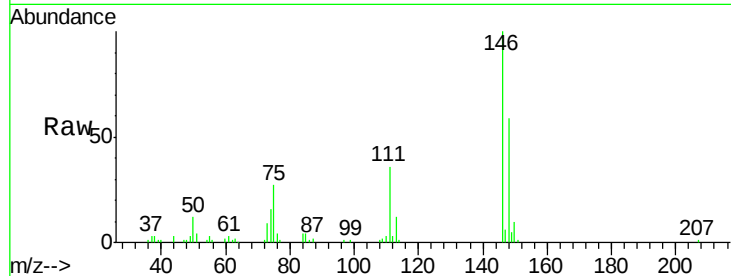
#87
 1,3-Dichlorobenzene
 Concen: 5.156 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	62.2	31.9	95.7

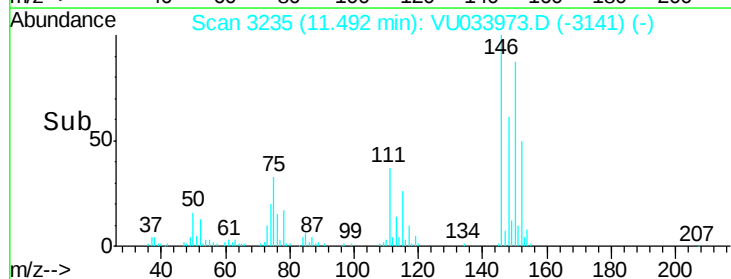
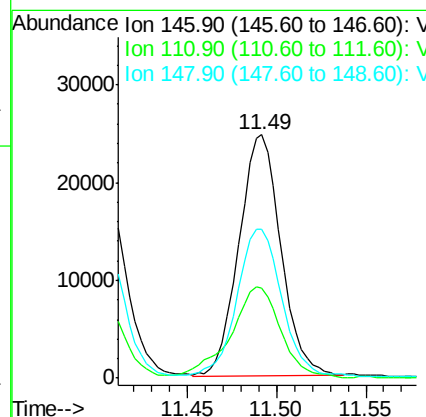
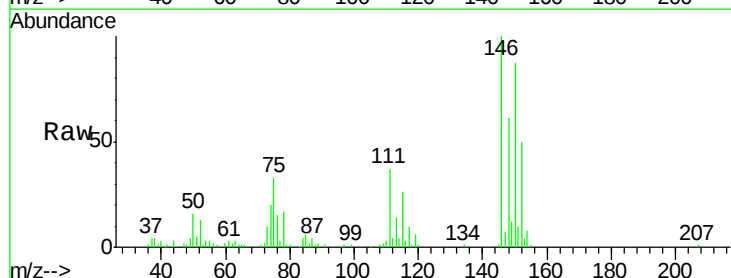
Manual Integrations
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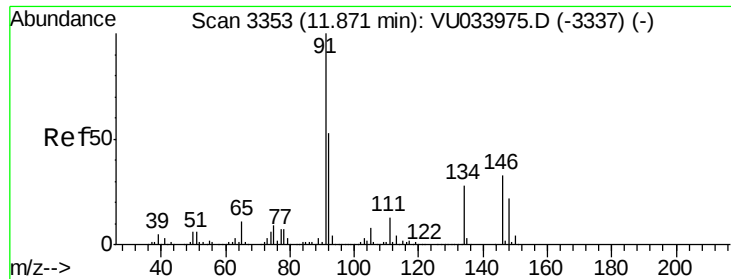
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#88
 1,4-Dichlorobenzene
 Concen: 4.895 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	18.8	56.4
148	66.4	31.9	95.7





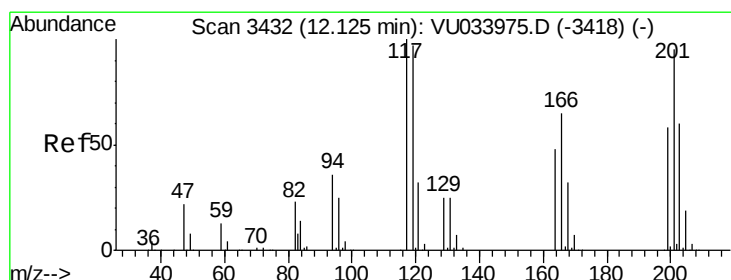
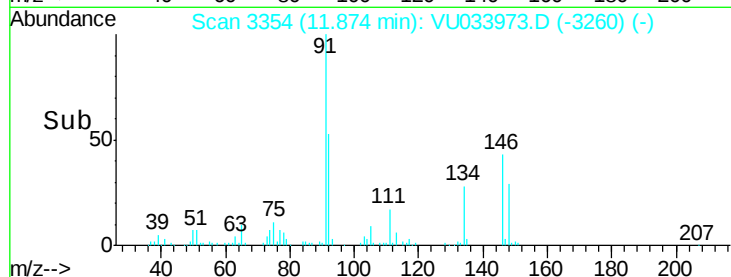
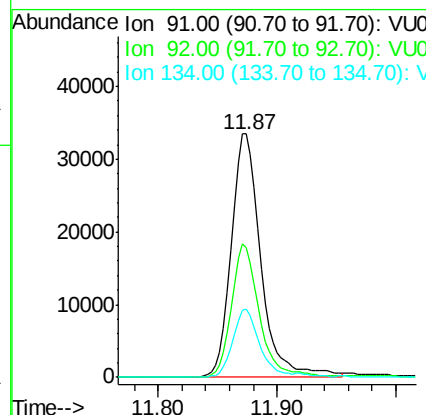
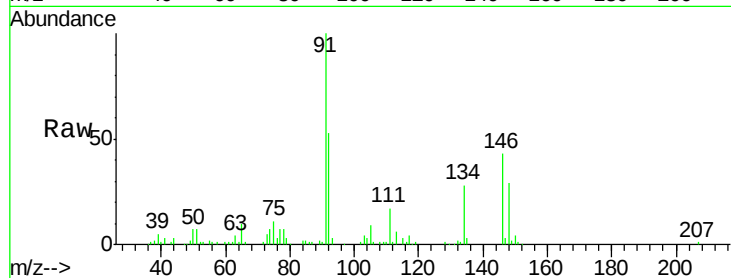
#89
n-Butylbenzene
Concen: 4.509 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.7	80.0
134	25.2	13.6	40.8

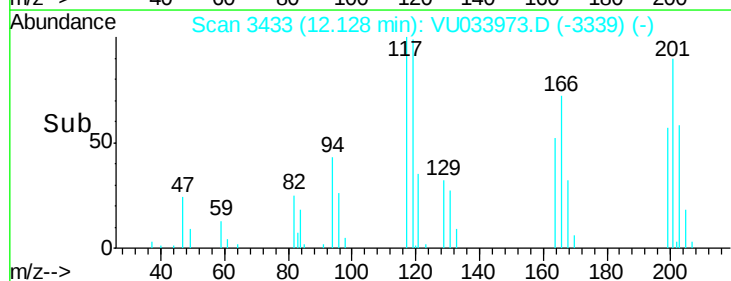
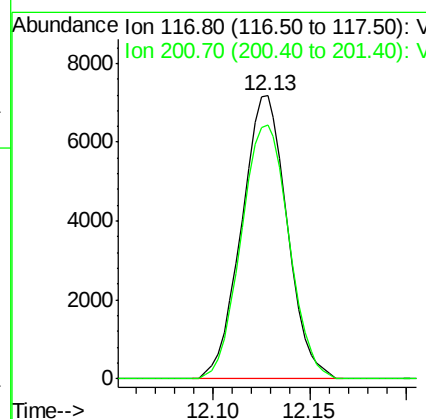
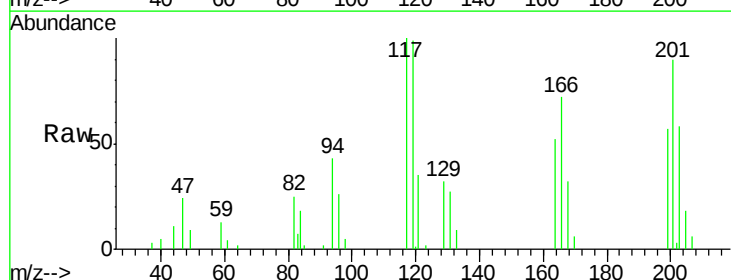
Manual Integrations
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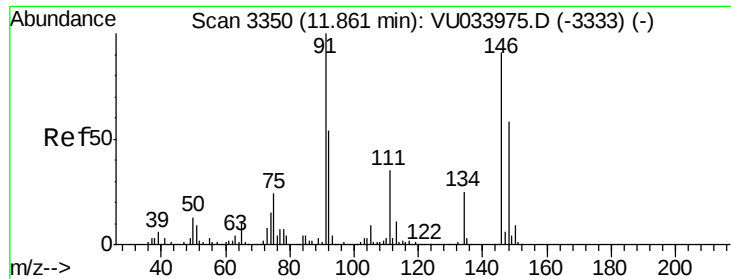
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#90
Hexachloroethane
Concen: 4.251 ug/l
RT: 12.13 min Scan# 3433
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.5	47.5	142.5





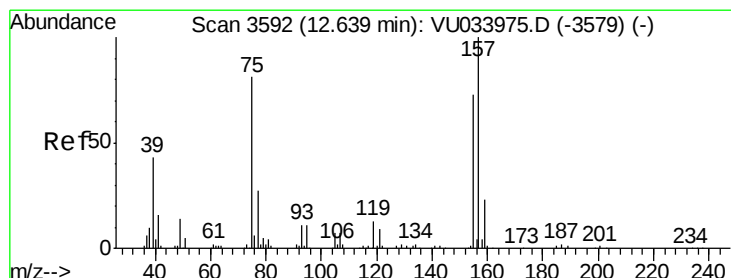
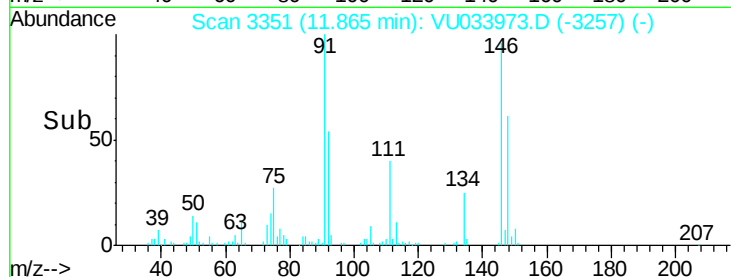
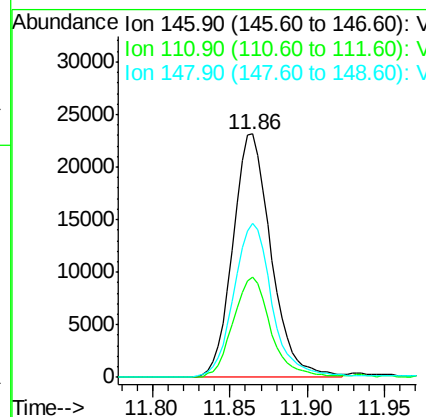
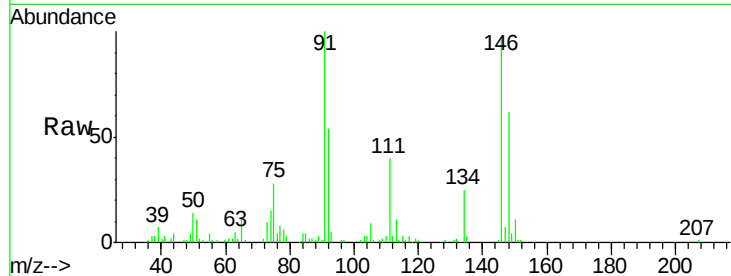
#91
 1,2-Dichlorobenzene
 Concen: 5.164 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.8	59.3
148	63.7	32.0	96.2

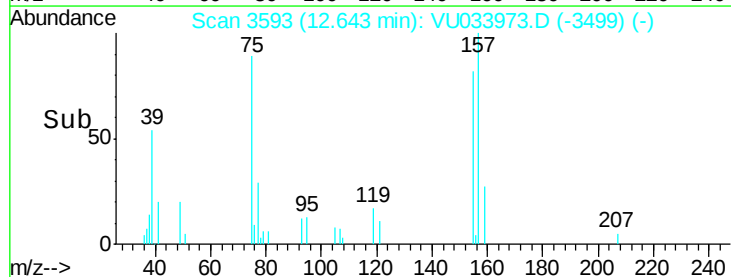
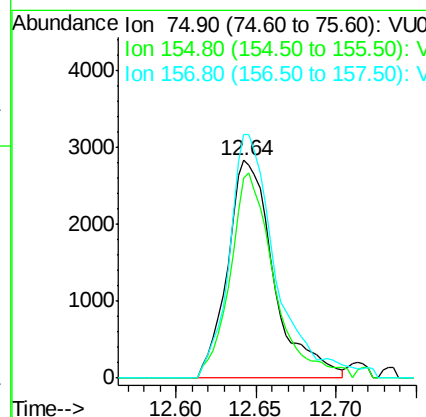
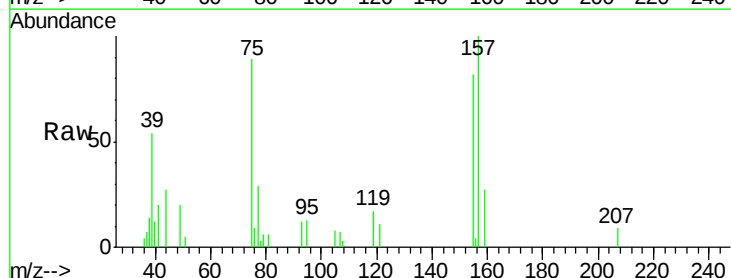
Manual Integrations
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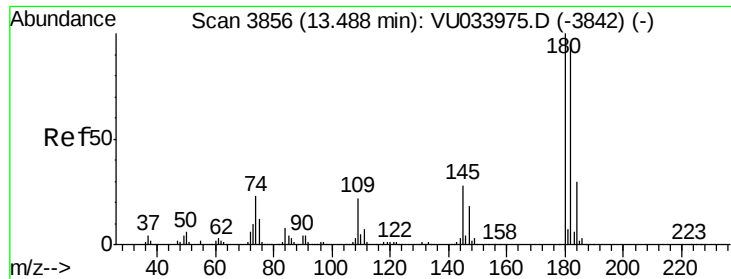
MMDadoda
 8/28/2019 9:57:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.125 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	46.9	140.6
157	107.7	61.2	183.6





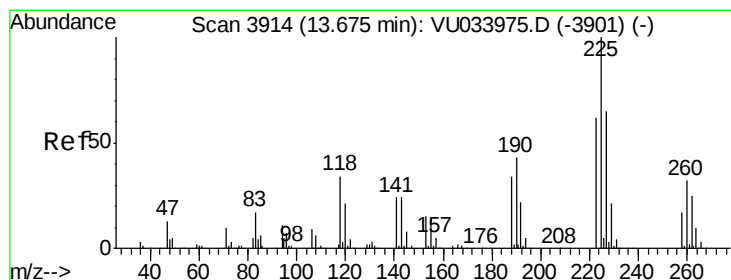
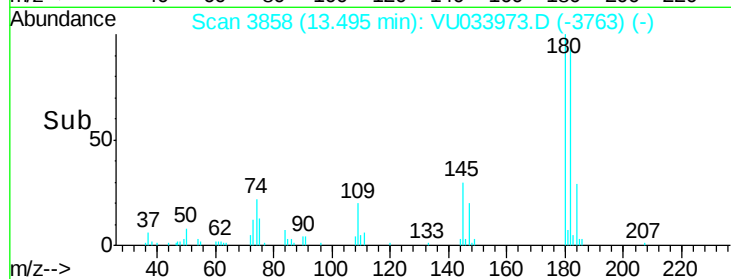
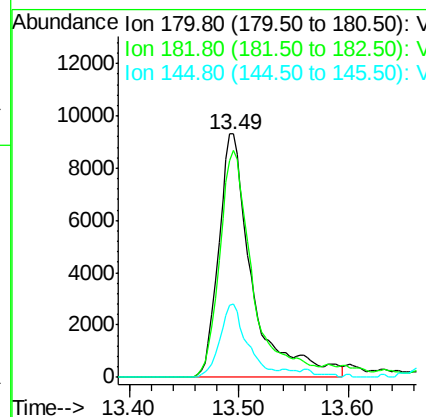
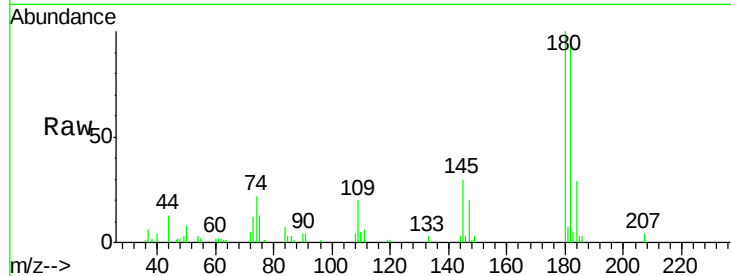
#93
 1,2,4-Trichlorobenzene
 Concen: 4.264 ug/l m
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.4	142.2
145	24.7	14.4	43.2

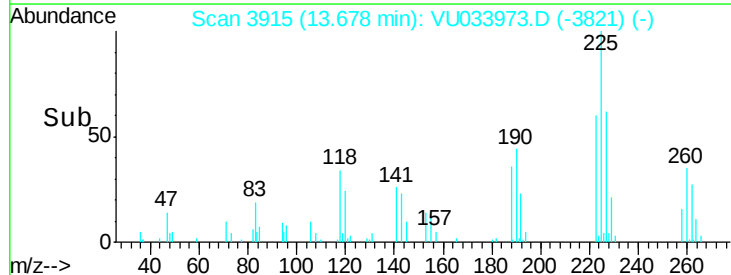
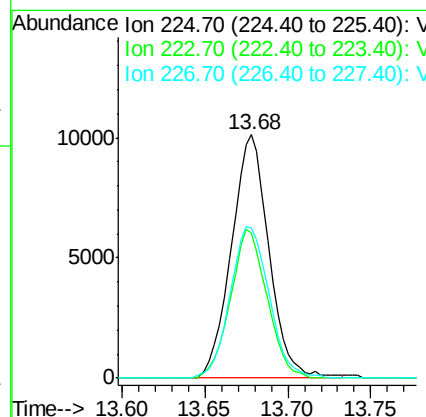
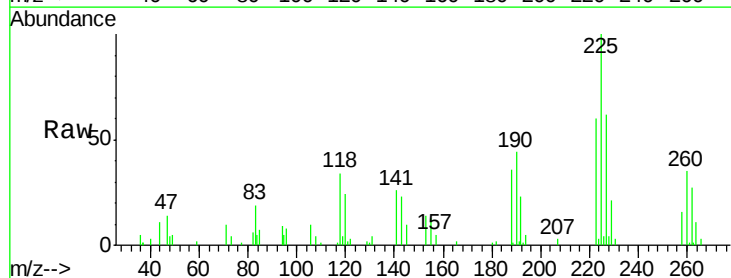
Manual Integrations
 APPROVED

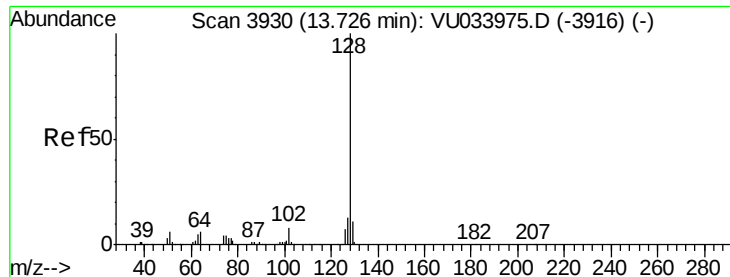
MMDadoda
 8/28/2019 9:57:41 AM



#94
 Hexachlorobutadiene
 Concen: 5.437 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	31.7	95.1
227	64.7	33.0	99.0





#95

Naphthalene

Concen: 3.461 ug/l

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

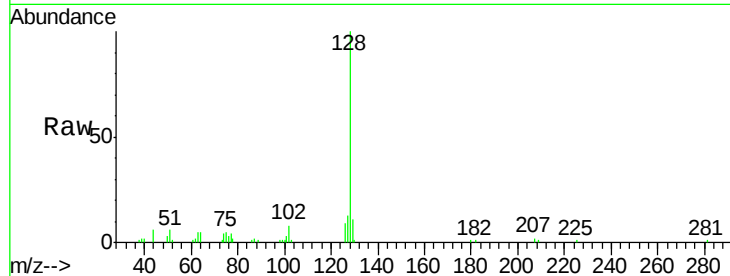
ClientSampleId :

VSTDIC005

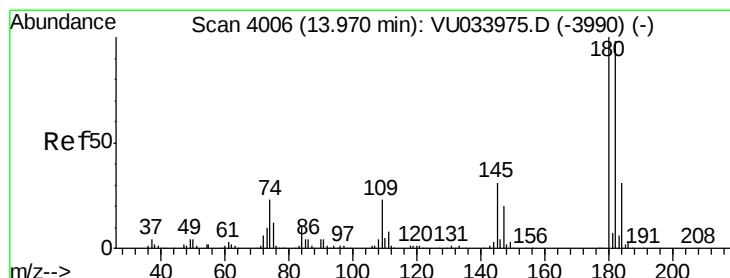
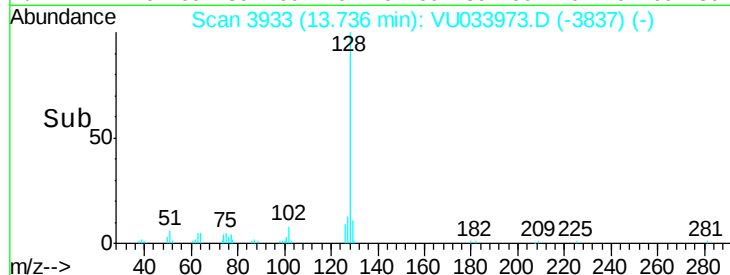
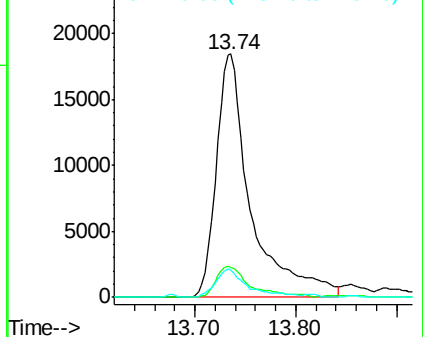
Tot Ion:	128	Resp:	43972
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	10.0	8.5	12.7

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.630 ug/l m

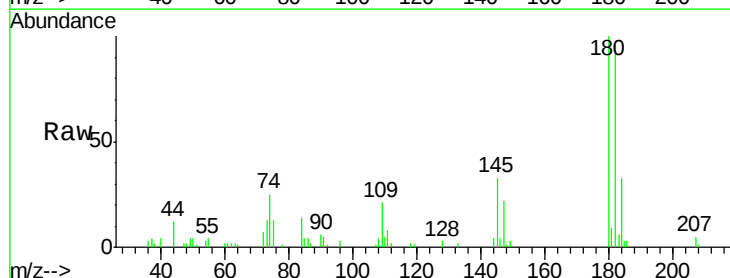
RT: 13.98 min Scan# 4008

Delta R.T. 0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion:	180	Resp:	21610
Ion	Ratio	Lower	Upper
180	100		
182	91.3	48.4	145.3
145	29.0	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

