

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025375.D
 Acq On : 29 Nov 2021 17:21
 Operator : JC/MD
 Sample : M4837-12 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20932

Quant Time: Nov 30 04:02:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

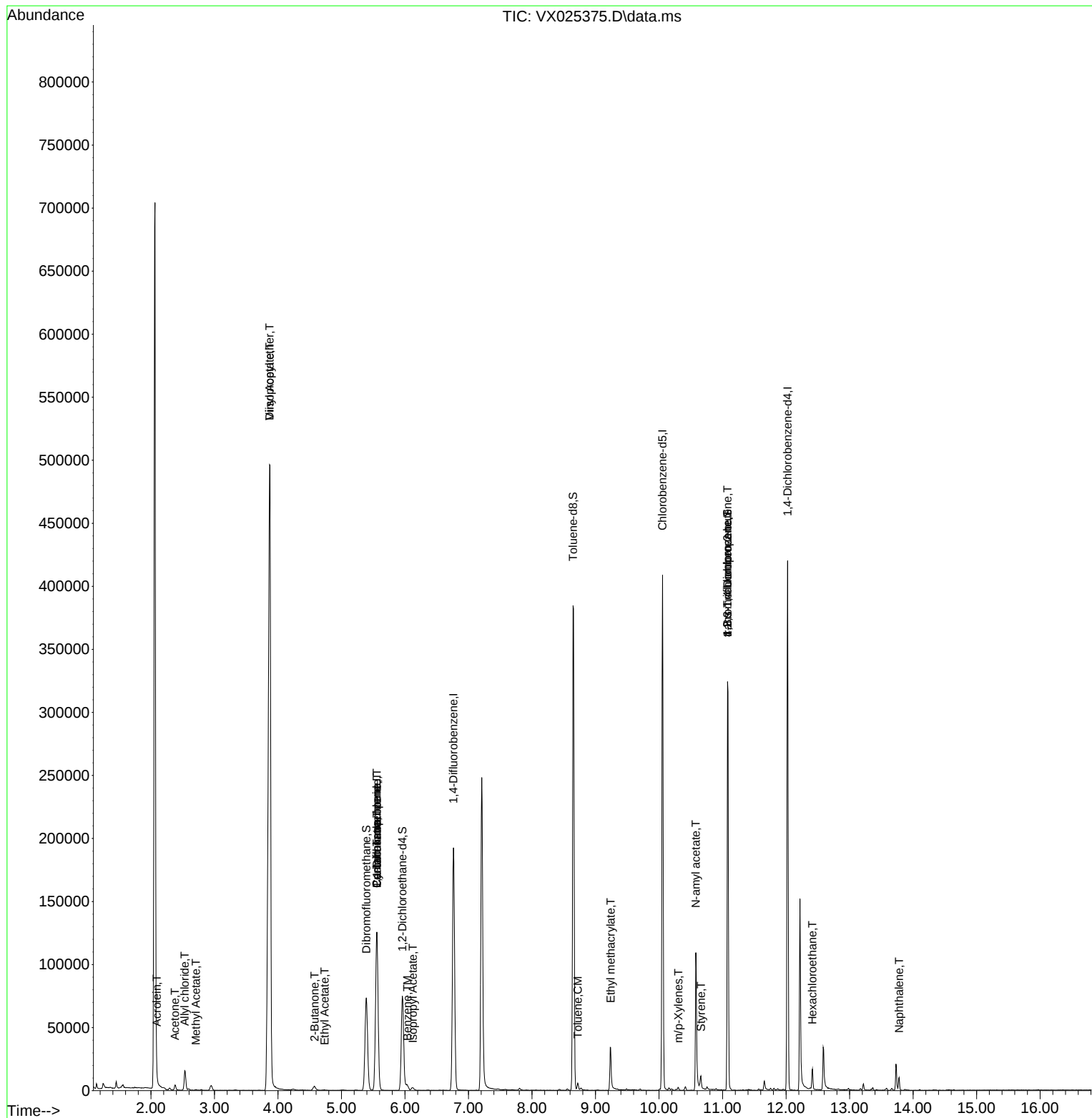
Internal Standards						
1) Pentafluorobenzene	5.556	168	128087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69818	51.712	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.420%			
35) Dibromofluoromethane	5.391	113	63388	49.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.140%			
50) Toluene-d8	8.647	98	240395	49.998	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.000%			
62) 4-Bromofluorobenzene	11.079	95	87049	47.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	2520	Below Cal	#	72
13) Acrolein	2.093	56	21	0.340	ug/l #	57
14) Allyl chloride	2.532	41	1613	0.751	ug/l #	70
16) Acetone	2.380	43	4367	5.821	ug/l	99
18) Methyl Acetate	2.709	43	746	0.311	ug/l #	78
22) Diisopropyl ether	3.867	45	35258	8.617	ug/l #	1
23) Vinyl Acetate	3.867	43	85347	25.968	ug/l #	72
25) 2-Butanone	4.574	43	1701	1.568	ug/l	100
31) Cyclohexane	5.556	56	2373	1.137	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	8816	4.848	ug/l #	49
37) Ethyl Acetate	4.733	43	849	0.410	ug/l #	71
38) Carbon Tetrachloride	5.556	117	11917	5.950	ug/l #	16
40) Benzene	6.037	78	2725	0.495	ug/l #	32
43) Isopropyl Acetate	6.123	43	2094	0.608	ug/l #	61
52) Toluene	8.720	92	1700	0.473	ug/l	94
56) Ethyl methacrylate	9.238	69	850	0.366	ug/l #	1
68) m/p-Xylenes	10.305	106	710	0.261	ug/l	93
70) Styrene	10.659	104	3806	0.865	ug/l #	87
74) N-amyl acetate	10.579	43	20343	7.332	ug/l #	19
76) 1,2,3-Trichloropropane	11.079	75	41503	22.516	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41503	56.723	ug/l #	9
90) Hexachloroethane	12.414	117	589	0.558	ug/l #	11
95) Naphthalene	13.780	128	4330	0.340	ug/l	98

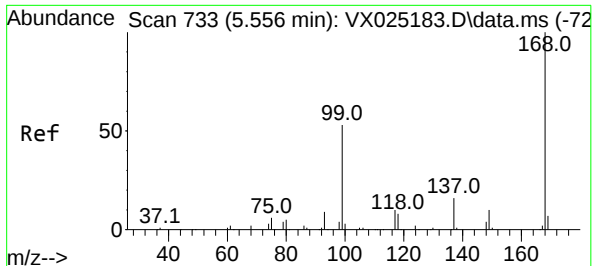
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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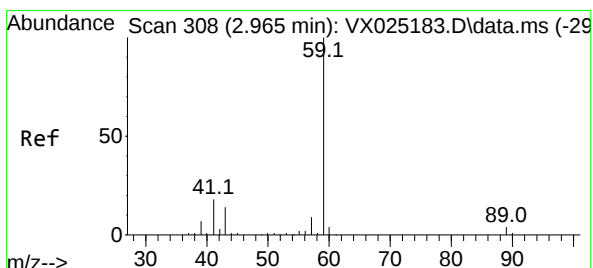
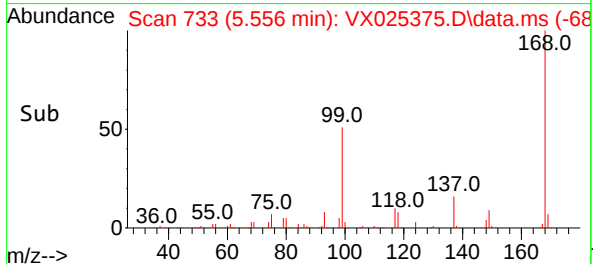
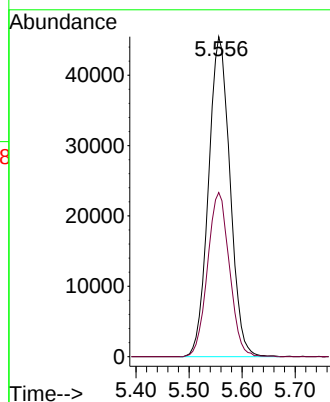
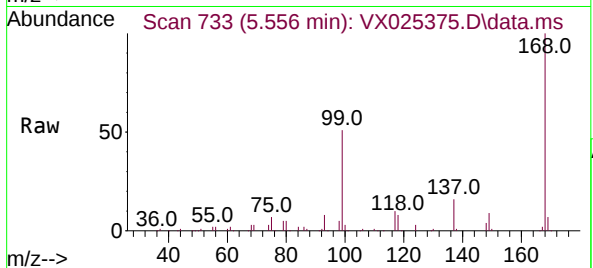




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

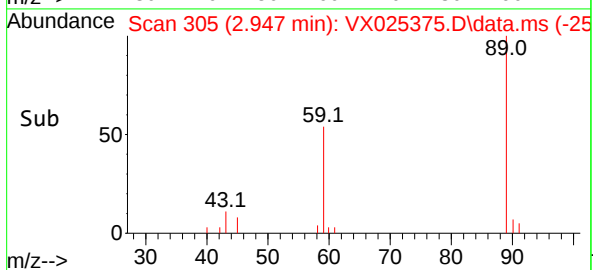
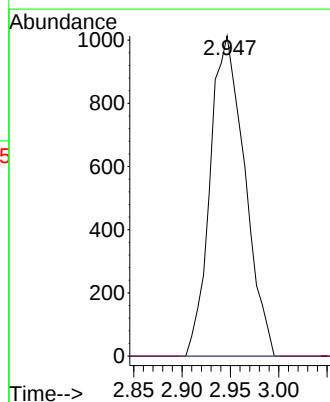
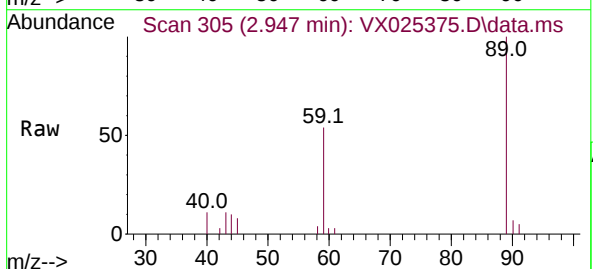
Instrument :
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20932

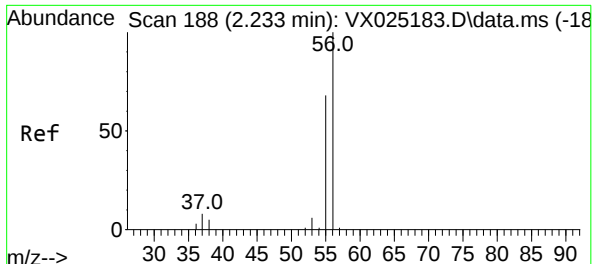
Tgt Ion:168 Resp: 128087
Ion Ratio Lower Upper
168 100
99 51.3 46.4 69.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion: 59 Resp: 2520
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

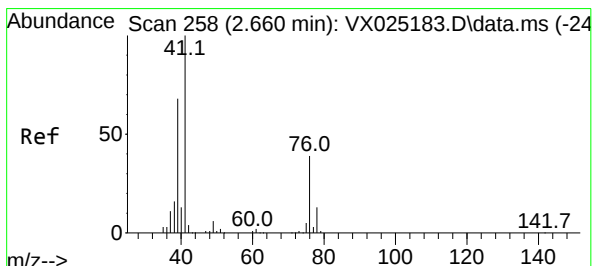
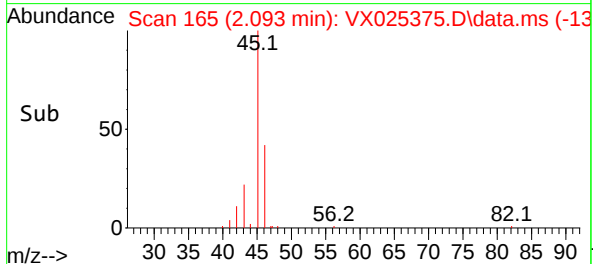
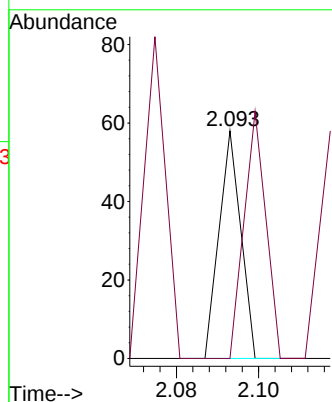
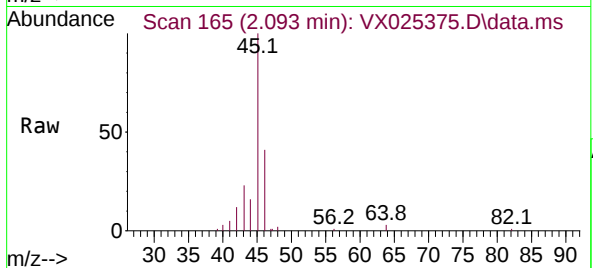




#13
Acrolein
Concen: 0.340 ug/l
RT: 2.093 min Scan# 11
Delta R.T. -0.140 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

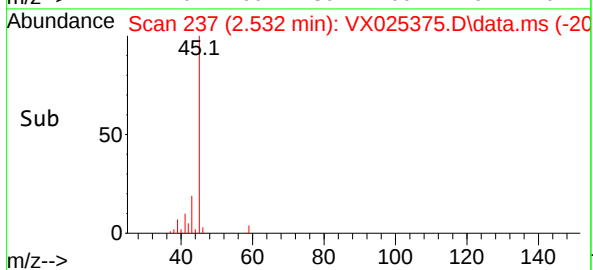
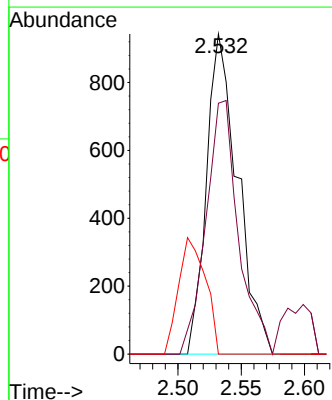
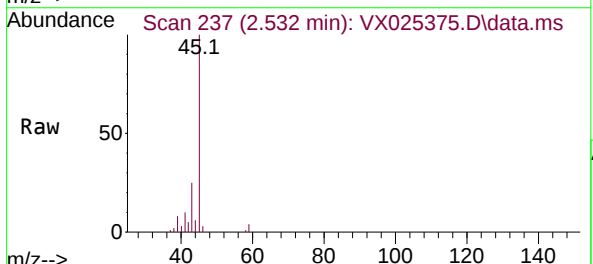
Instrument :
MSVOA_X
ClientSampleId :
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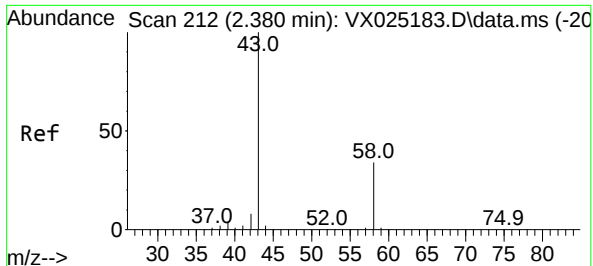
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 109.5 58.6 87.8#



#14
Allyl chloride
Concen: 0.751 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.128 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion: 41 Resp: 1613
Ion Ratio Lower Upper
41 100
39 82.5 54.6 82.0#
76 0.0 25.3 37.9#

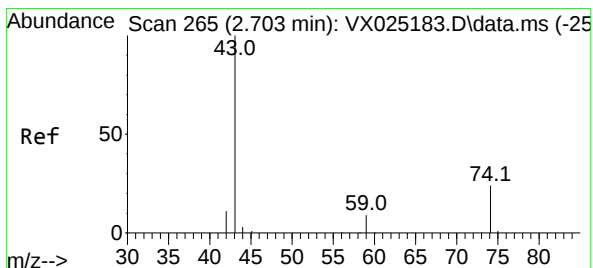
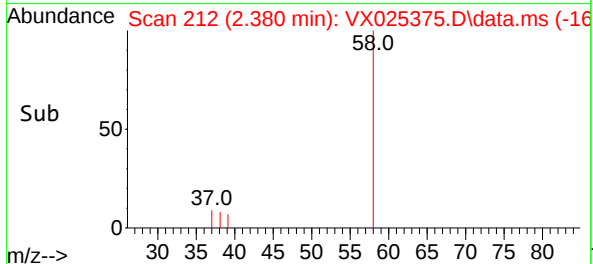
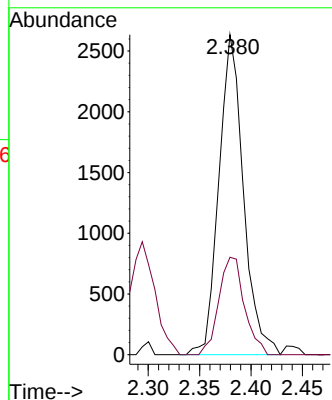
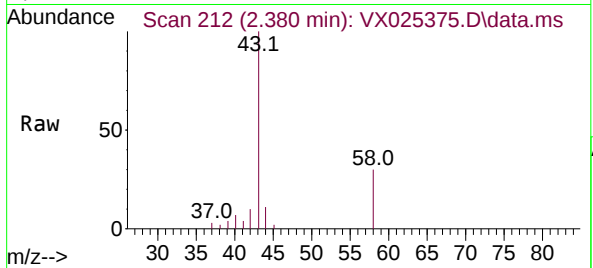




#16
Acetone
Concen: 5.821 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

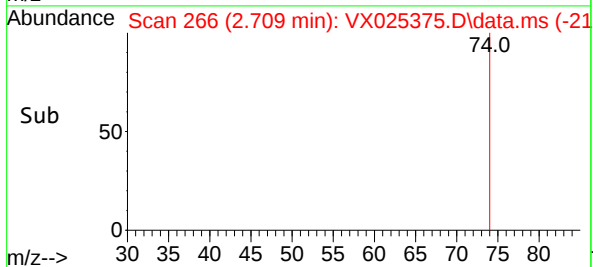
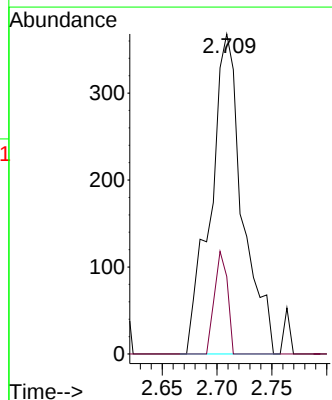
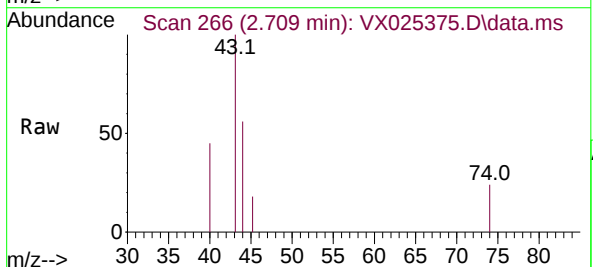
Instrument :
MSVOA_X
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20932

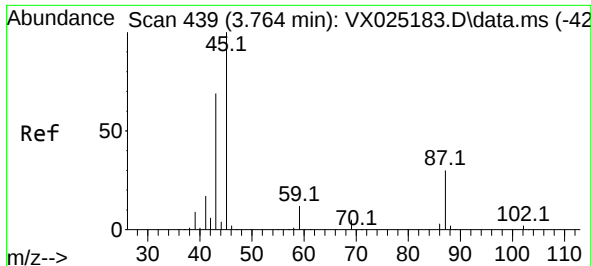
Tgt Ion: 43 Resp: 4367
Ion Ratio Lower Upper
43 100
58 30.4 24.0 36.0



#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
74 13.0 19.0 28.6#

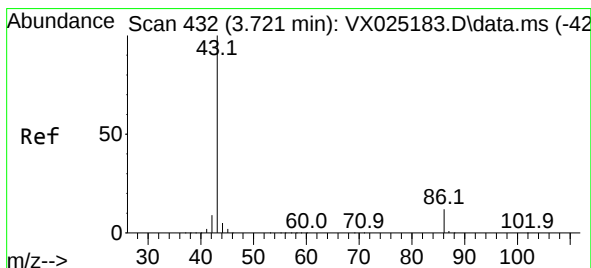
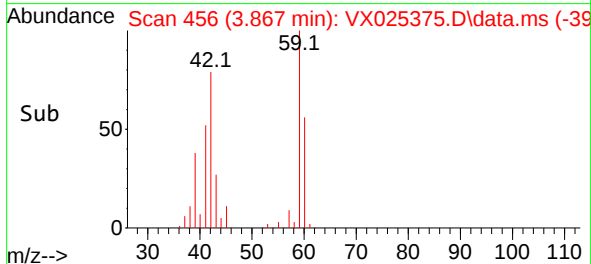
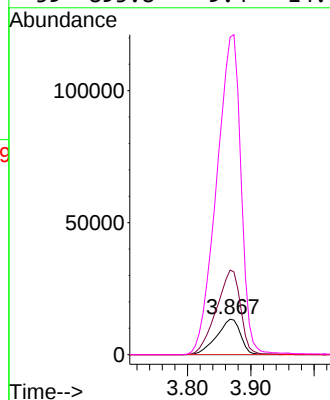
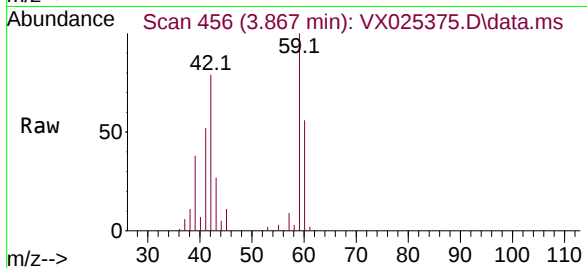




#22
Diisopropyl ether
Concen: 8.617 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.103 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

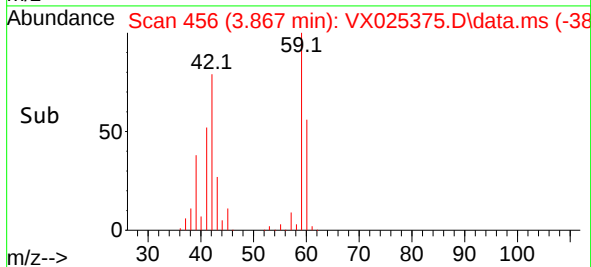
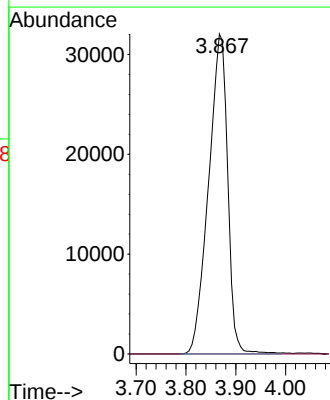
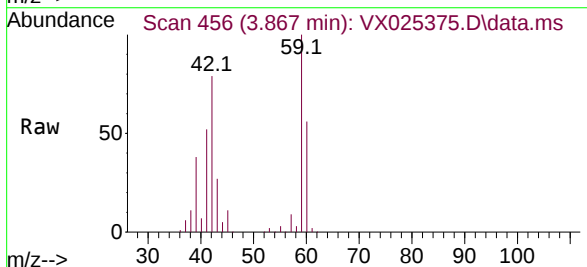
Instrument :
MSVOA_X
ClientSampleId :
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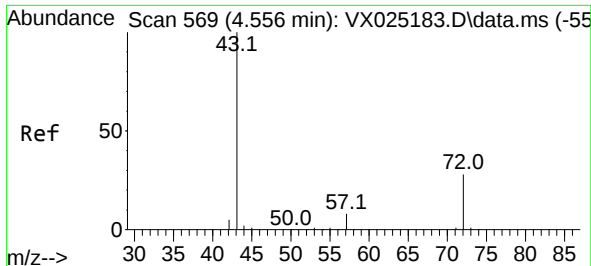
Tgt Ion: 45 Resp: 35258
Ion Ratio Lower Upper
45 100
43 238.8 58.3 87.5#
87 0.0 23.7 35.5#
59 895.8 9.4 14.0#



#23
Vinyl Acetate
Concen: 25.968 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.146 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion: 43 Resp: 85347
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

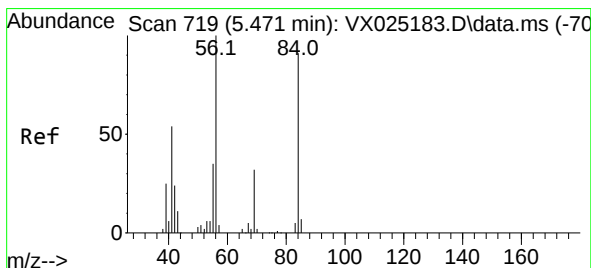
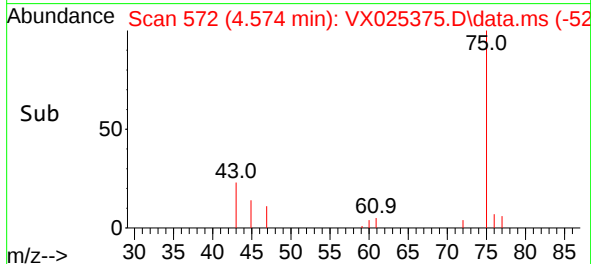
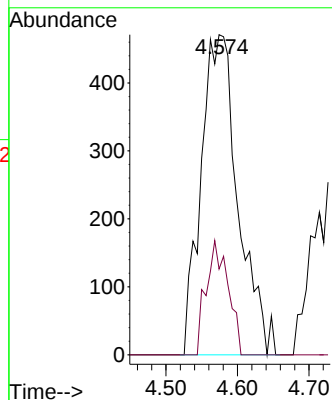
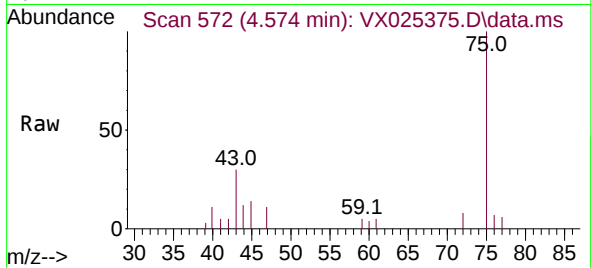




#25
2-Butanone
Concen: 1.568 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

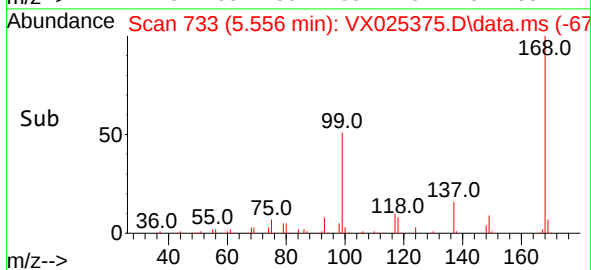
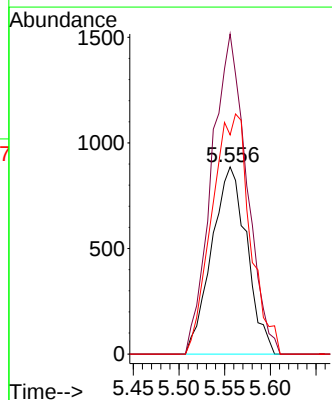
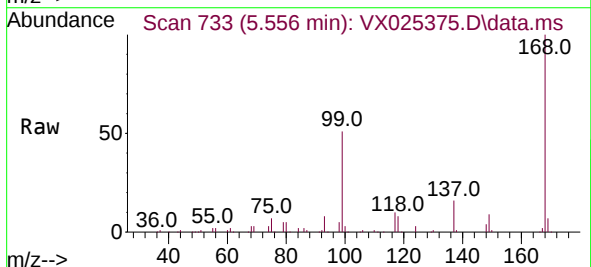
Instrument :
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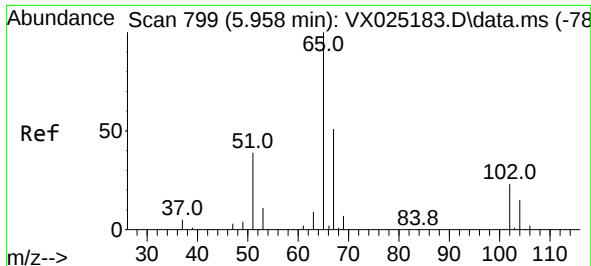
Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
72 26.8 21.2 31.8



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion: 56 Resp: 2373
Ion Ratio Lower Upper
56 100
69 171.1 24.2 36.2#
84 117.2 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 51.712 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

Instrument :

MSVOA_X

ClientSampleId :

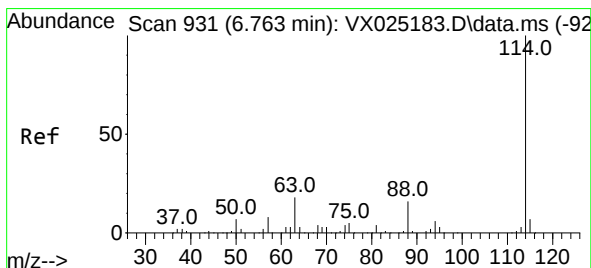
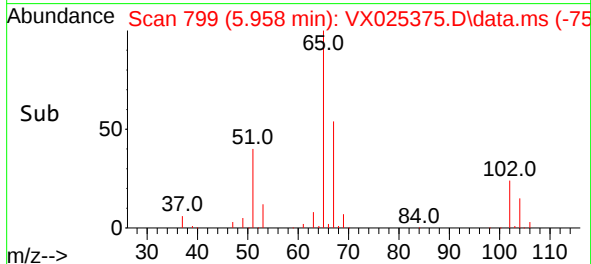
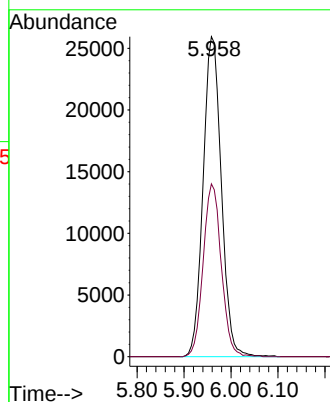
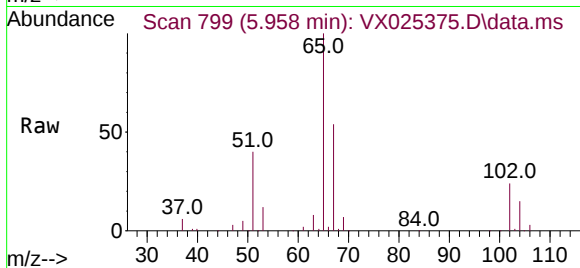
20932

Tgt Ion: 65 Resp: 69818

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

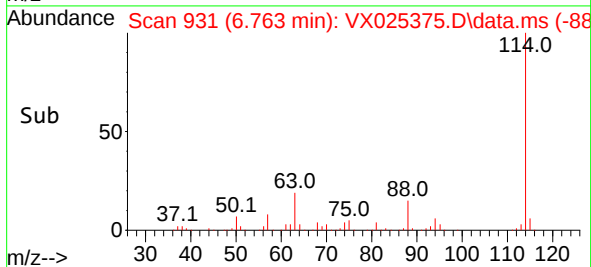
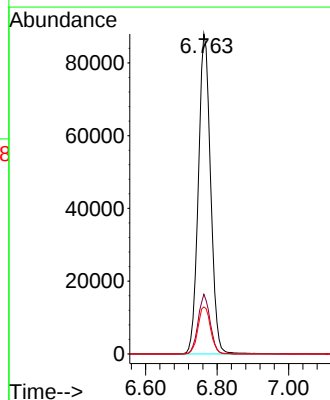
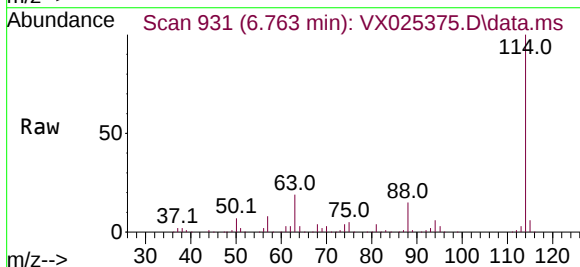
Tgt Ion: 114 Resp: 208419

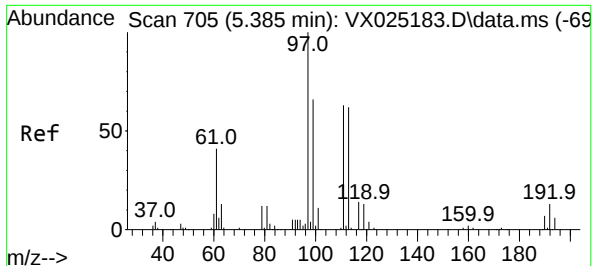
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.0

88 14.7 0.0 34.8

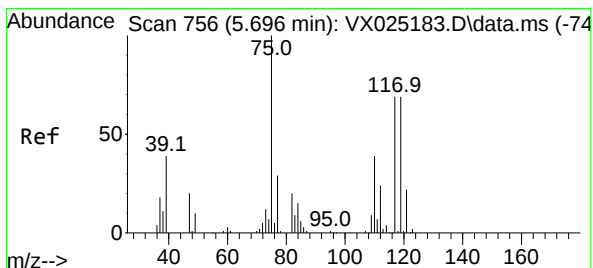
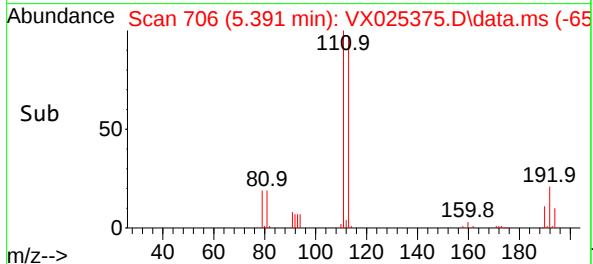
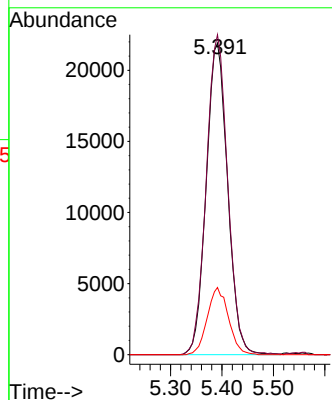
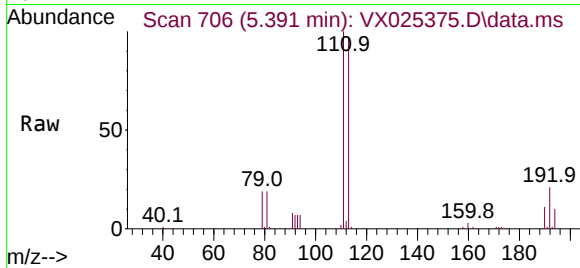




#35
Dibromofluoromethane
Concen: 49.569 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

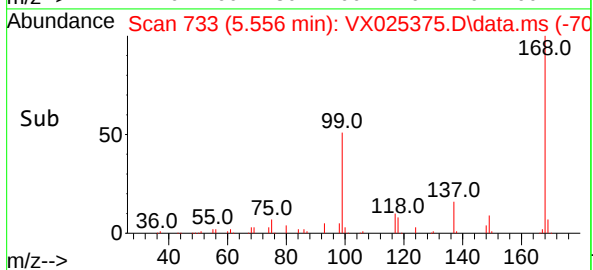
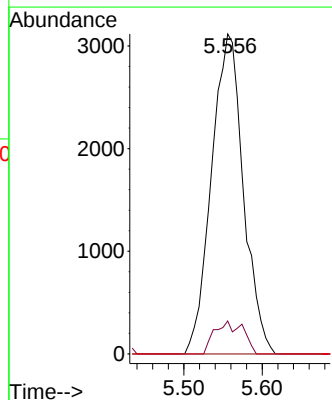
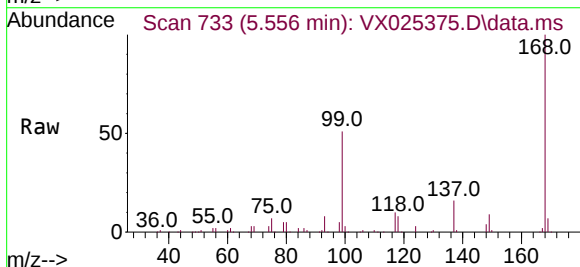
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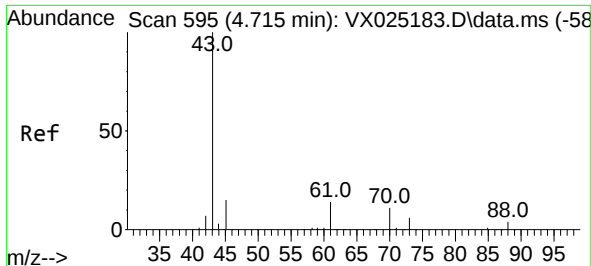
Tgt Ion:113 Resp: 63388
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 21.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.848 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion: 75 Resp: 8816
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.3#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.410 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

Instrument :

MSVOA_X

ClientSampleId :

20932

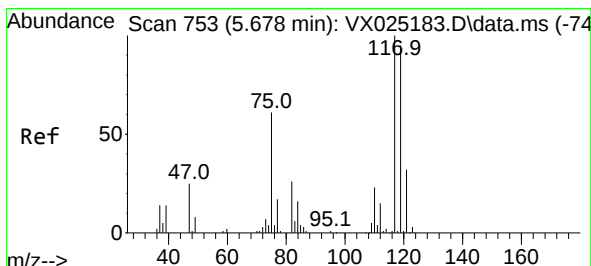
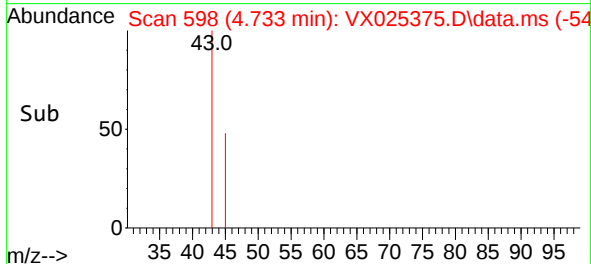
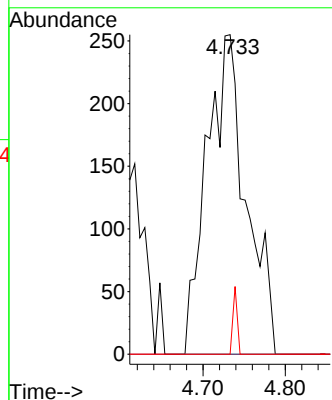
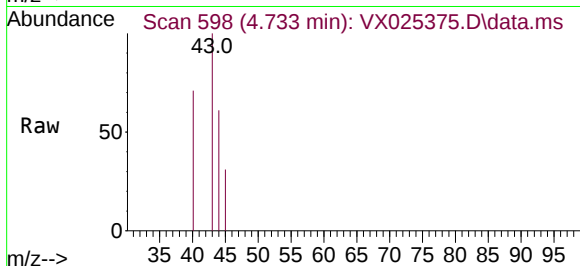
Tgt Ion: 43 Resp: 849

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 2.4 8.6 12.8#



#38

Carbon Tetrachloride

Concen: 5.950 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

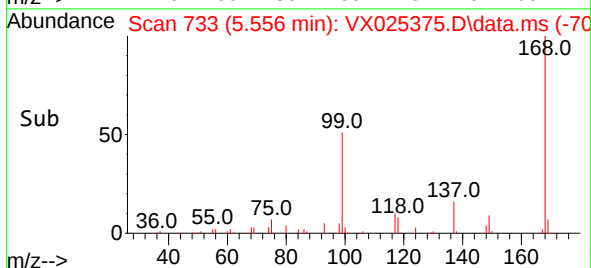
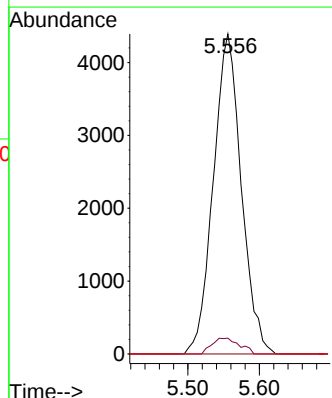
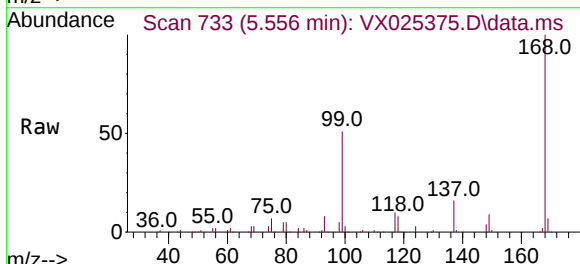
Tgt Ion: 117 Resp: 11917

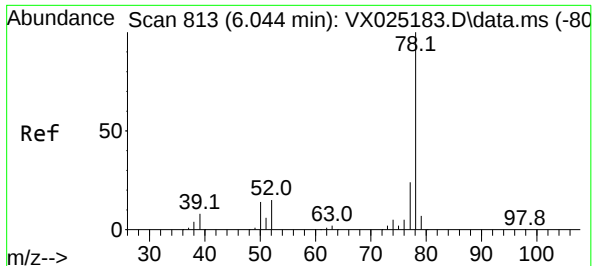
Ion Ratio Lower Upper

117 100

119 4.9 75.6 113.4#

121 0.0 23.7 35.5#

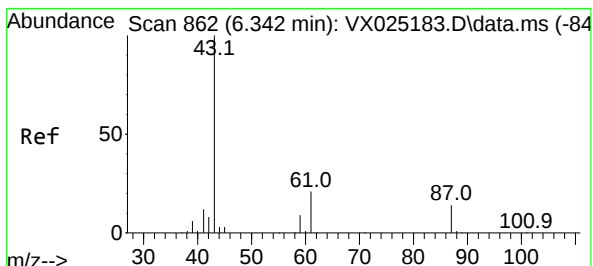
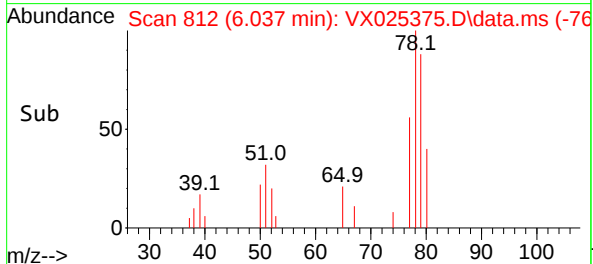
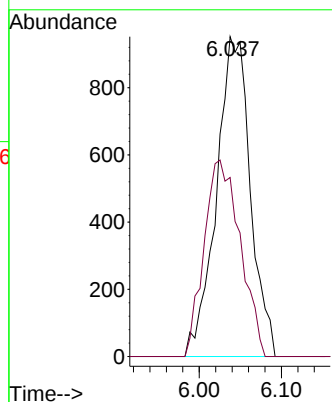
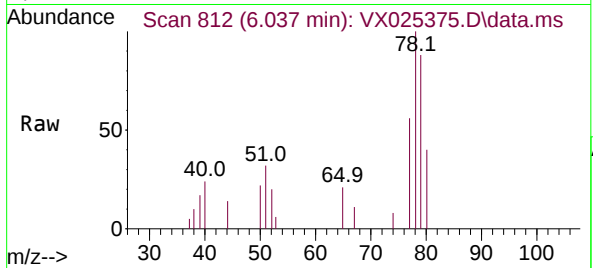




#40
Benzene
Concen: 0.495 ug/l
RT: 6.037 min Scan# 813
Delta R.T. -0.007 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

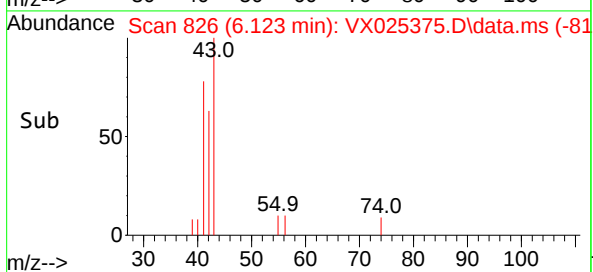
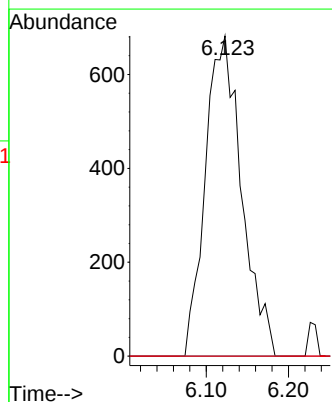
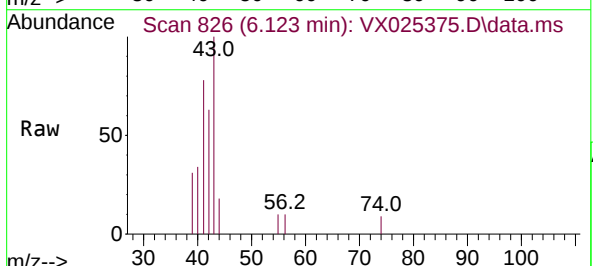
Instrument :
MSVOA_X
ClientSampleId :
20932

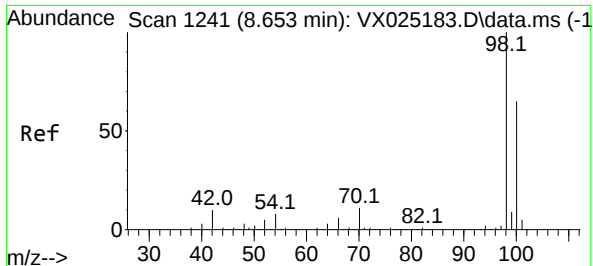
Tgt Ion: 78 Resp: 2725
Ion Ratio Lower Upper
78 100
77 56.0 18.3 27.5#



#43
Isopropyl Acetate
Concen: 0.608 ug/l
RT: 6.123 min Scan# 826
Delta R.T. -0.219 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#





#50

Toluene-d8

Concen: 49.998 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

Instrument :

MSVOA_X

ClientSampleId :

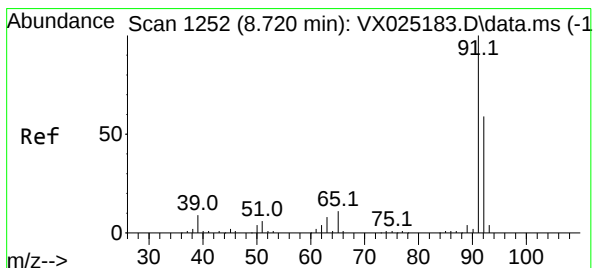
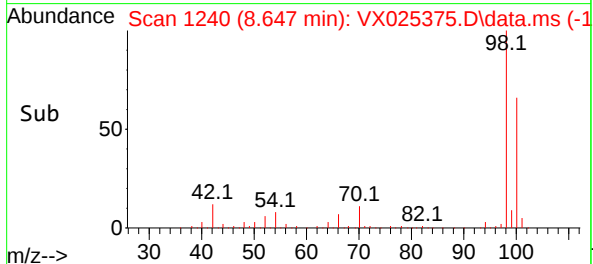
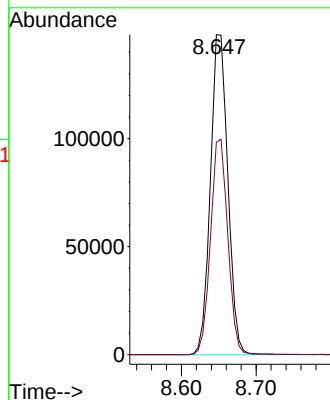
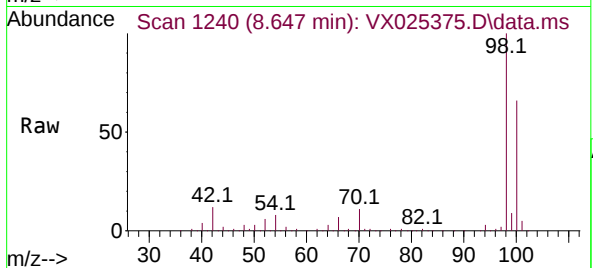
20932

Tgt Ion: 98 Resp: 240395

Ion Ratio Lower Upper

98 100

100 66.8 51.4 77.0



#52

Toluene

Concen: 0.473 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025375.D

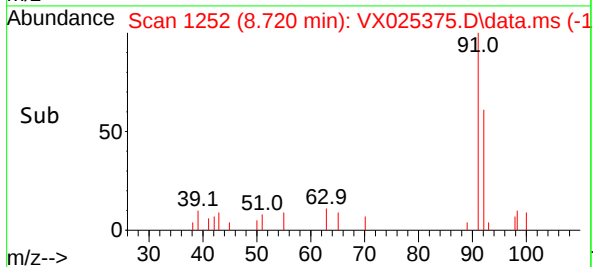
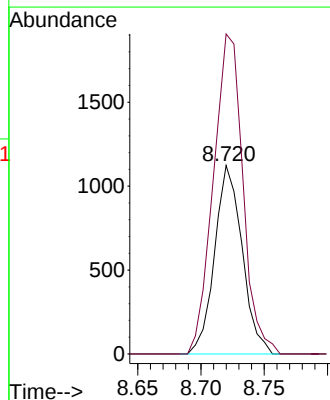
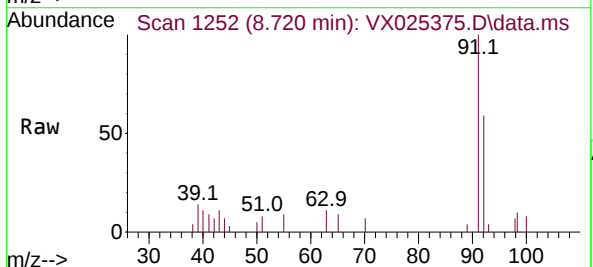
Acq: 29 Nov 2021 17:21

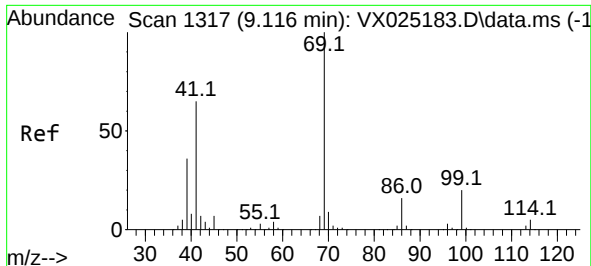
Tgt Ion: 92 Resp: 1700

Ion Ratio Lower Upper

92 100

91 182.1 138.6 208.0





#56

Ethyl methacrylate

Concen: 0.366 ug/l

RT: 9.238 min Scan# 1337

Delta R.T. 0.122 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

Instrument :

MSVOA_X

ClientSampleId :

20932

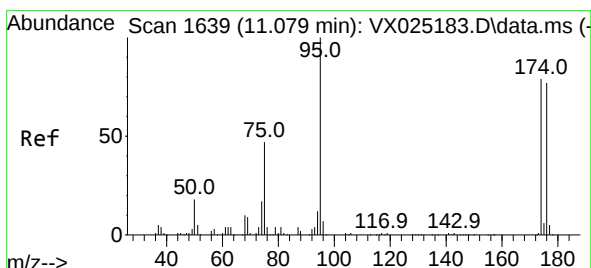
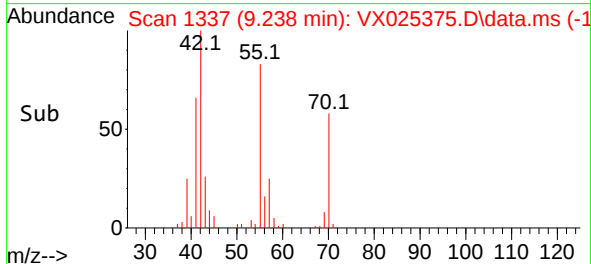
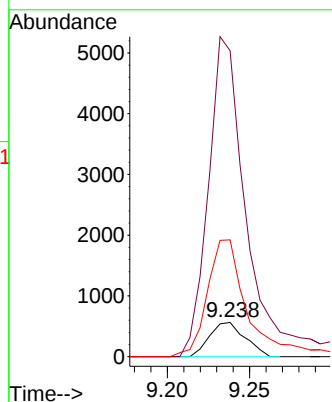
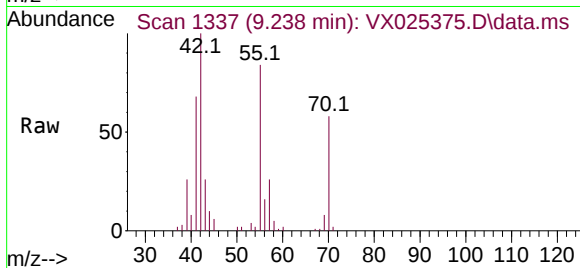
Tgt Ion: 69 Resp: 850

Ion Ratio Lower Upper

69 100

41 991.8 55.3 82.9#

39 387.8 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 47.857 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

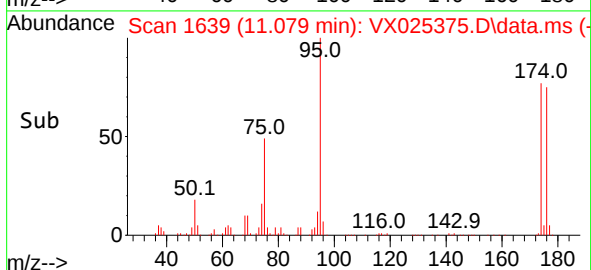
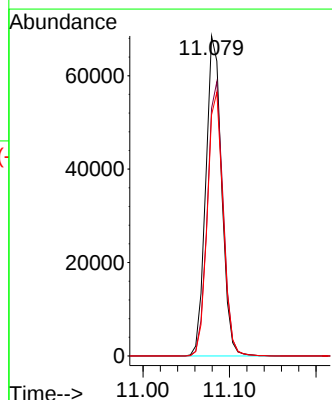
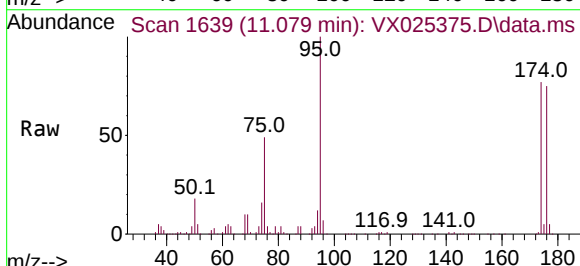
Tgt Ion: 95 Resp: 87049

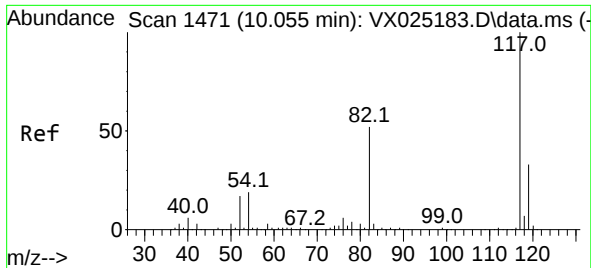
Ion Ratio Lower Upper

95 100

174 85.4 0.0 158.0

176 82.4 0.0 153.6

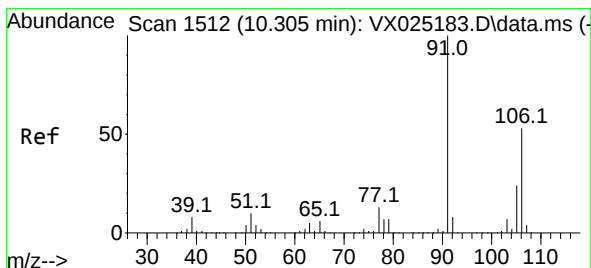
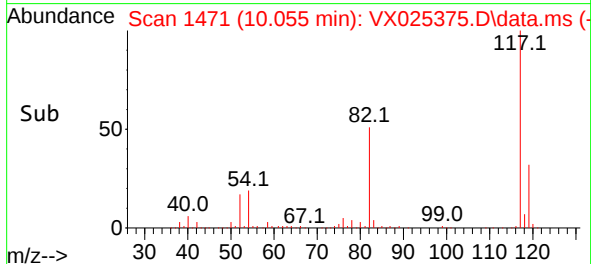
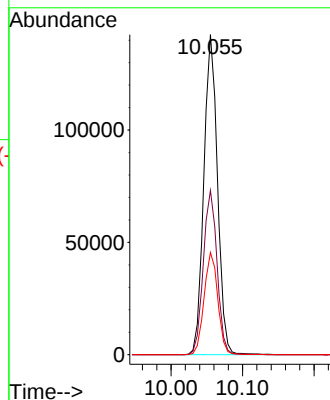
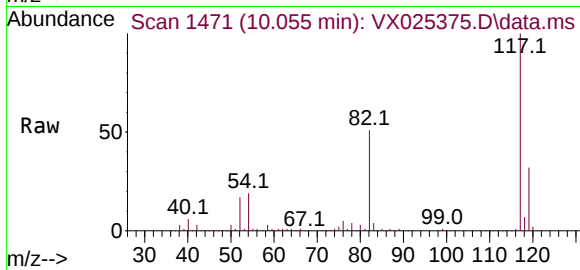




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

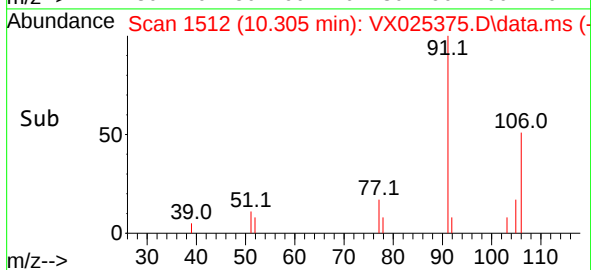
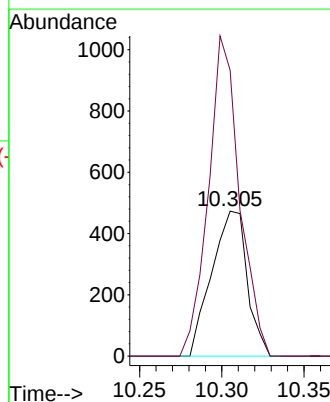
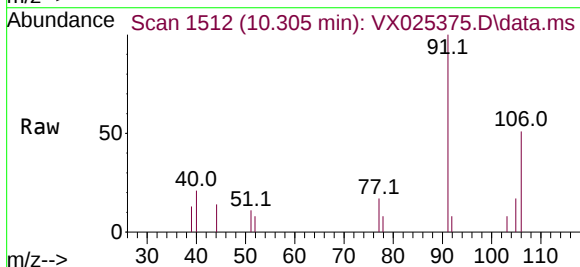
Instrument :
MSVOA_X
ClientSampleId :
20932

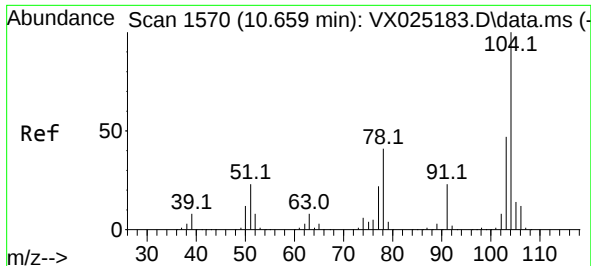
Tgt Ion:117 Resp: 189169
Ion Ratio Lower Upper
117 100
82 51.4 44.6 67.0
119 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 0.261 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion:106 Resp: 710
Ion Ratio Lower Upper
106 100
91 193.9 163.4 245.0

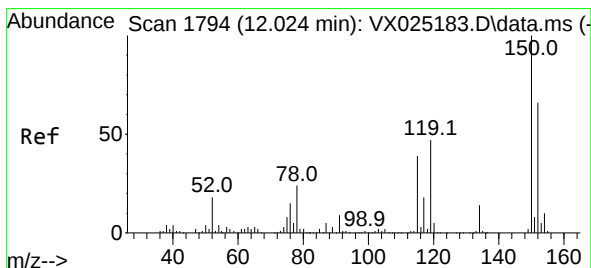
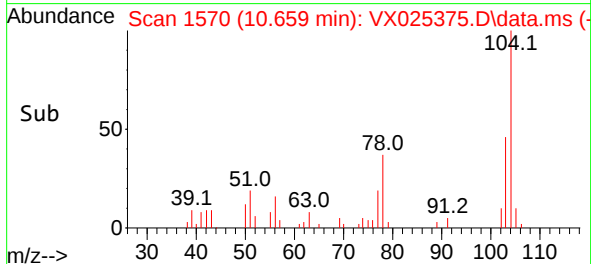
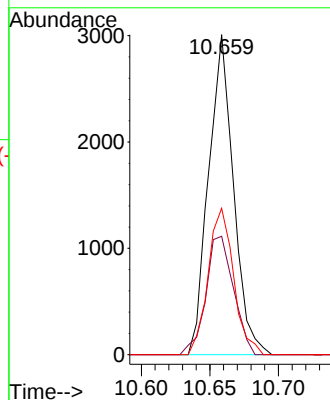
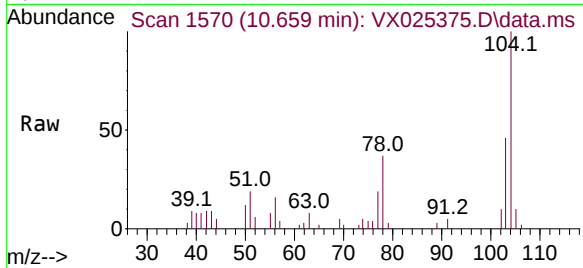




#70
Styrene
Concen: 0.865 ug/l
RT: 10.659 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

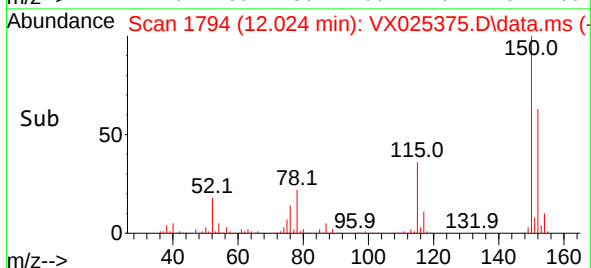
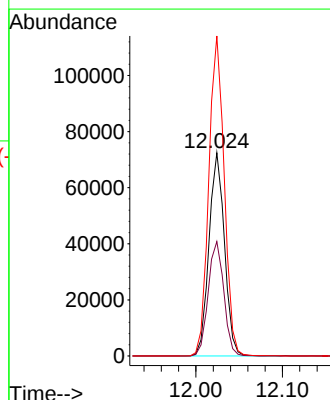
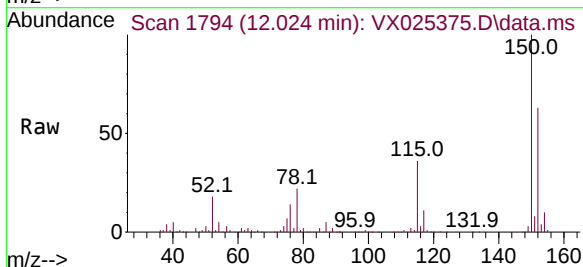
Instrument :
MSVOA_X
ClientSampleId :
20932

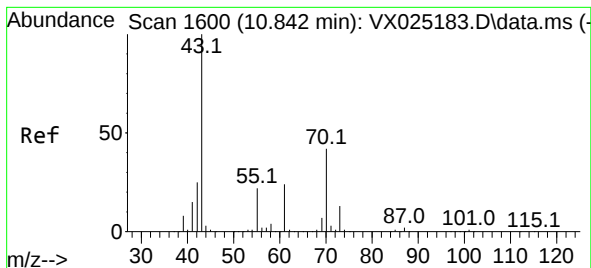
Tgt Ion:104 Resp: 3806
Ion Ratio Lower Upper
104 100
78 41.0 41.3 61.9#
103 46.9 43.5 65.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Tgt Ion:152 Resp: 90011
Ion Ratio Lower Upper
152 100
115 56.7 43.3 129.8
150 156.8 0.0 351.2





#74

N-amy1 acetate

Concen: 7.332 ug/l

RT: 10.579 min Scan# 1

Delta R.T. -0.263 min

Lab File: VX025375.D

Acq: 29 Nov 2021 17:21

Instrument :

MSVOA_X

ClientSampleId :

20932

Tgt Ion: 43 Resp: 20343

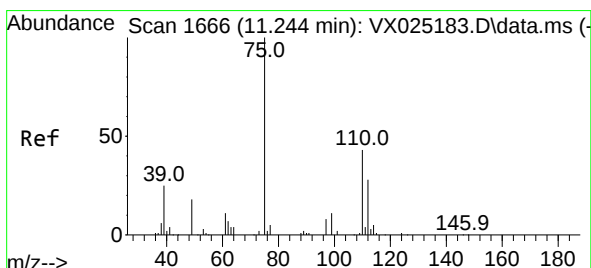
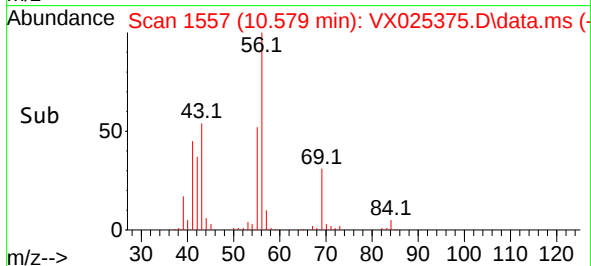
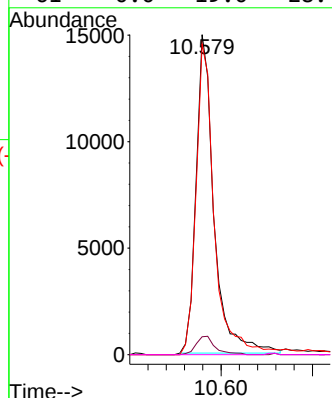
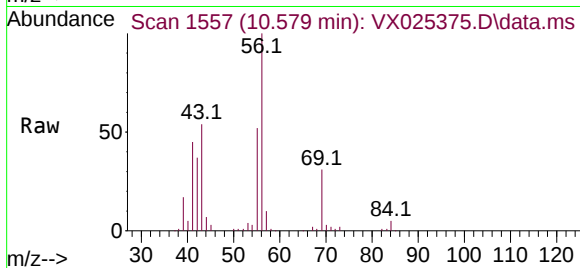
Ion Ratio Lower Upper

43 100

70 6.2 33.7 50.5#

55 101.0 19.7 29.5#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 22.516 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025375.D

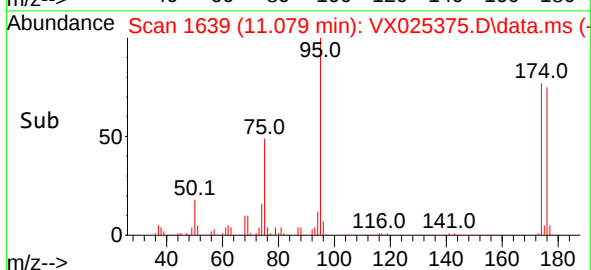
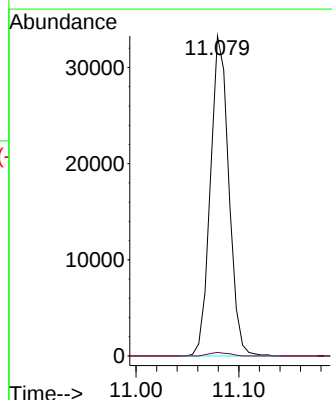
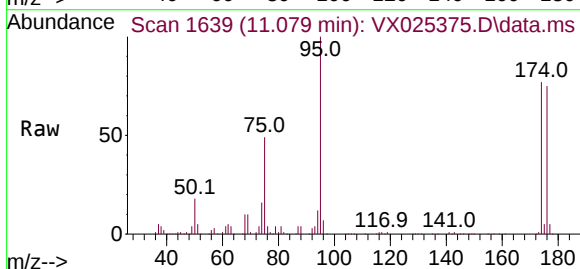
Acq: 29 Nov 2021 17:21

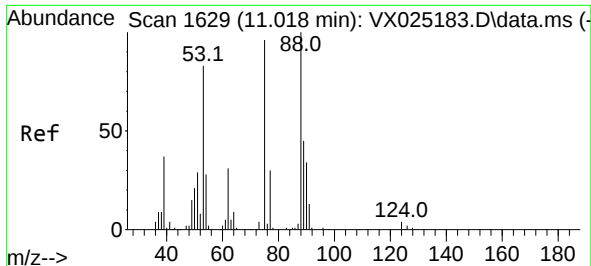
Tgt Ion: 75 Resp: 41503

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#

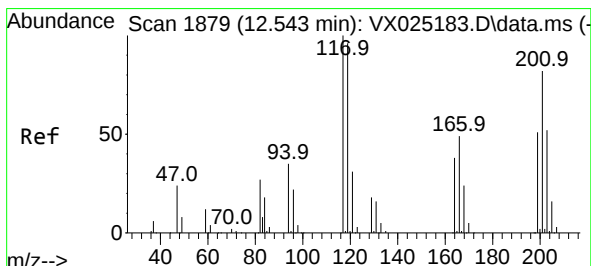
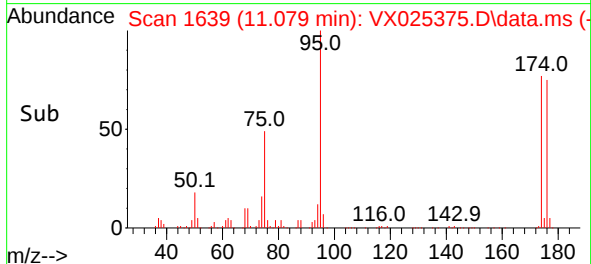
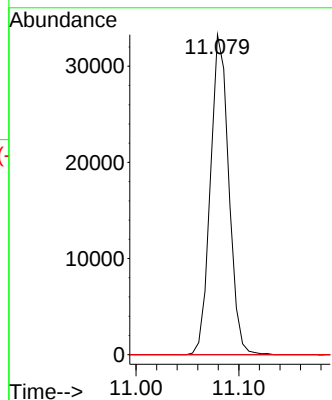
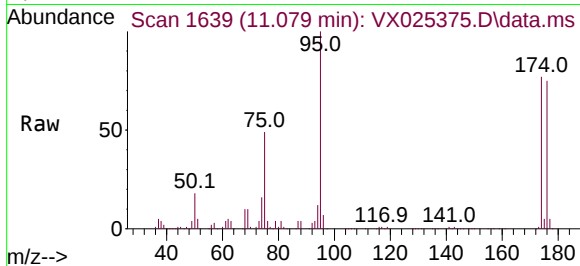




#81
trans-1,4-Dichloro-2-butene
Concen: 56.723 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

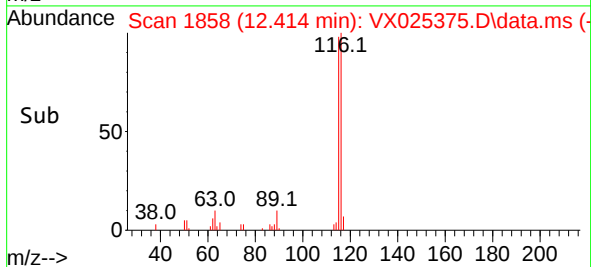
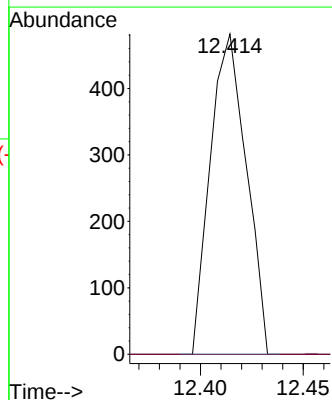
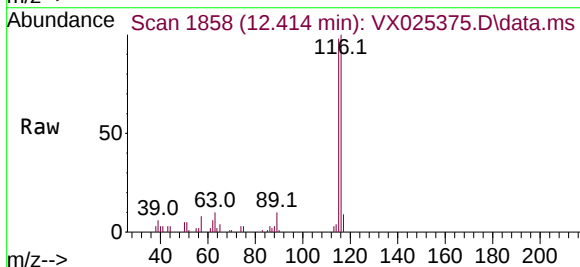
Instrument :
MSVOA_X
ClientSampleId :
20932

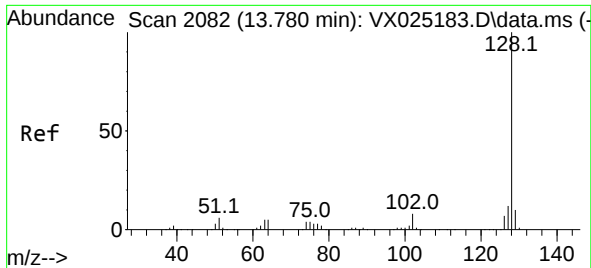
Tgt Ion: 75 Resp: 41503
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#90
Hexachloroethane
Concen: 0.558 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.129 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

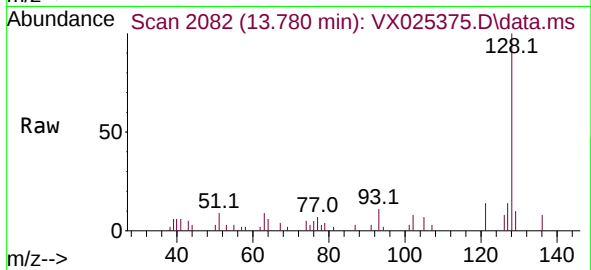
Tgt Ion: 117 Resp: 589
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#





#95
Naphthalene
Concen: 0.340 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025375.D
Acq: 29 Nov 2021 17:21

Instrument :
MSVOA_X
ClientSampleId :
20932



Tgt Ion:128 Resp: 4330
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 12.5 8.8 13.2

