

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025376.D
 Acq On : 29 Nov 2021 17:45
 Operator : JC/MD
 Sample : M4837-13 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20933

Quant Time: Nov 30 04:03:16 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)

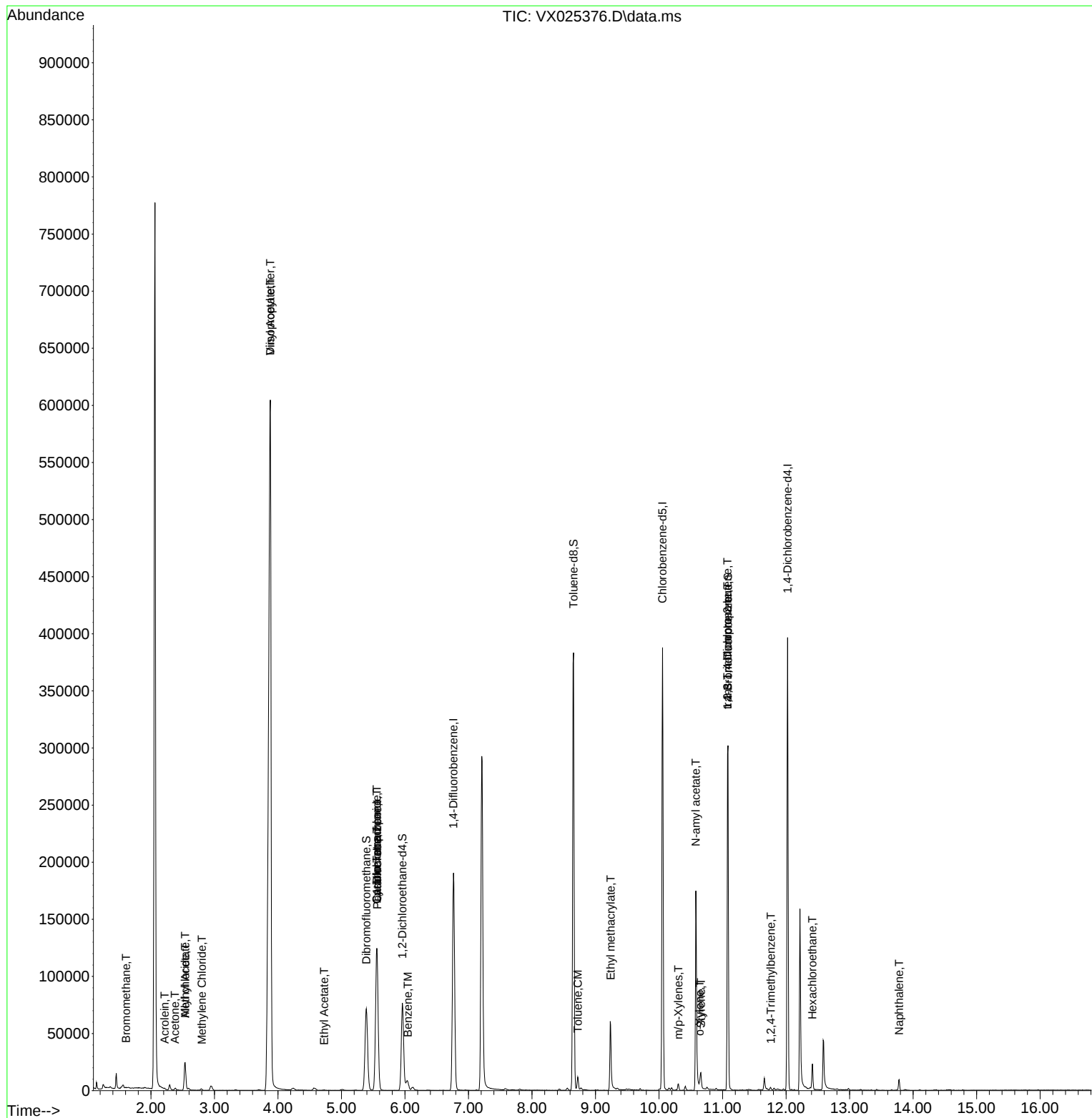
Internal Standards						
1) Pentafluorobenzene	5.562	168	127838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69378	51.487	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.980%			
35) Dibromofluoromethane	5.391	113	61957	49.177	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.360%			
50) Toluene-d8	8.653	98	232128	49.003	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.000%			
62) 4-Bromofluorobenzene	11.085	95	81014	45.207	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.420%			
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	135	0.208	ug/l #	73
11) Tert butyl alcohol	2.953	59	2464	Below Cal	#	72
13) Acrolein	2.215	56	21	0.340	ug/l #	1
14) Allyl chloride	2.538	41	2400	1.119	ug/l #	63
16) Acetone	2.380	43	1943	2.595	ug/l	95
18) Methyl Acetate	2.538	43	6354	2.656	ug/l #	52
20) Methylene Chloride	2.800	84	628	0.446	ug/l #	71
22) Diisopropyl ether	3.879	45	44437	10.881	ug/l #	1
23) Vinyl Acetate	3.879	43	106926	32.596	ug/l #	72
31) Cyclohexane	5.556	56	2281	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8433	4.707	ug/l #	49
37) Ethyl Acetate	4.727	43	775	0.380	ug/l #	68
38) Carbon Tetrachloride	5.556	117	11660	5.909	ug/l #	16
40) Benzene	6.043	78	7203	1.327	ug/l #	72
52) Toluene	8.720	92	3980	1.123	ug/l	98
56) Ethyl methacrylate	9.238	69	1506	0.659	ug/l #	1
68) m/p-Xylenes	10.305	106	1450	0.561	ug/l	90
69) o-Xylene	10.640	106	743	0.294	ug/l	96
70) Styrene	10.659	104	5154	1.232	ug/l #	89
74) N-amyl acetate	10.579	43	31896	12.454	ug/l #	22
76) 1,2,3-Trichloropropane	11.079	75	39094	22.979	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39094	57.888	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.762	105	1048	0.213	ug/l	81
90) Hexachloroethane	12.414	117	829	0.851	ug/l #	11
95) Naphthalene	13.780	128	6057	0.711	ug/l	98

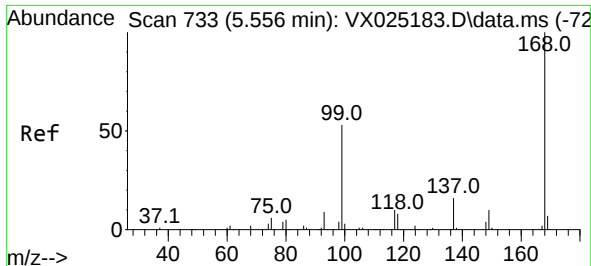
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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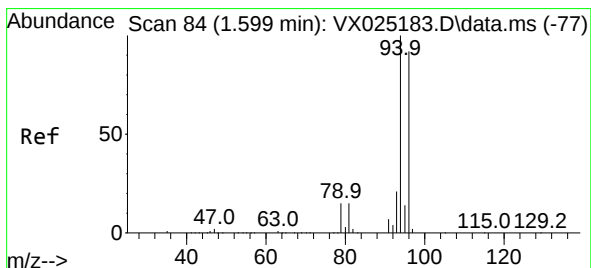
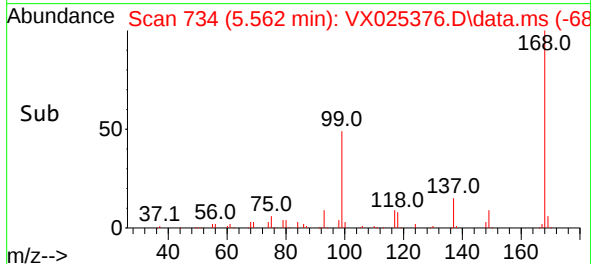
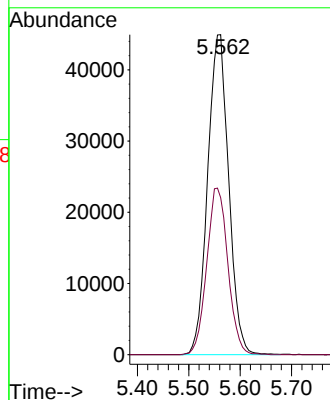
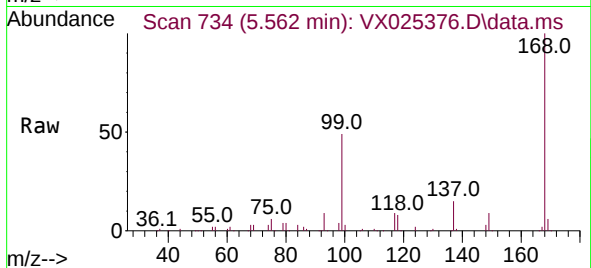




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

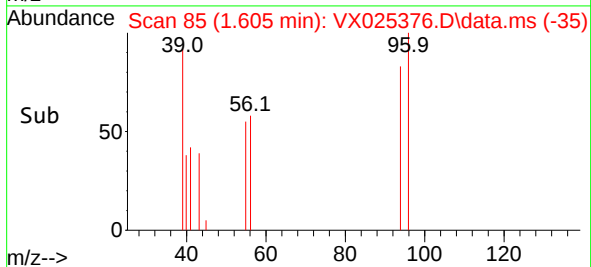
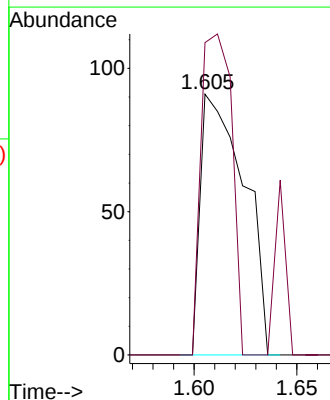
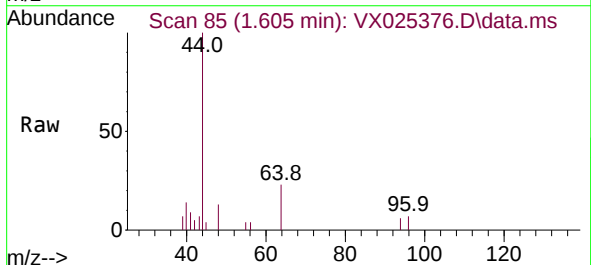
Instrument :
MSVOA_X
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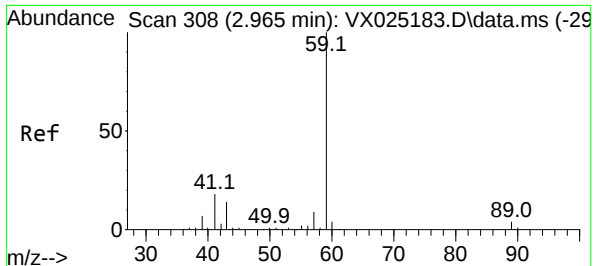
Tgt Ion:168 Resp: 127838
Ion Ratio Lower Upper
168 100
99 49.1 46.4 69.6



#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 119.8 74.8 112.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX025376.D

Acq: 29 Nov 2021 17:45

Instrument :

MSVOA_X

ClientSampleId :

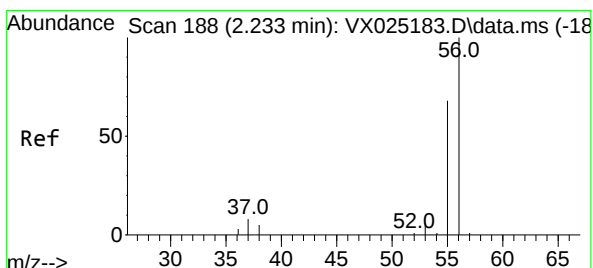
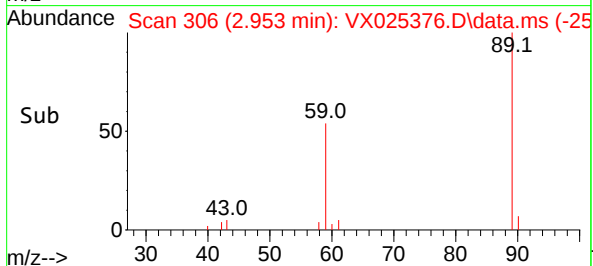
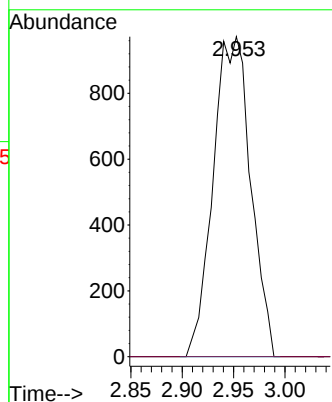
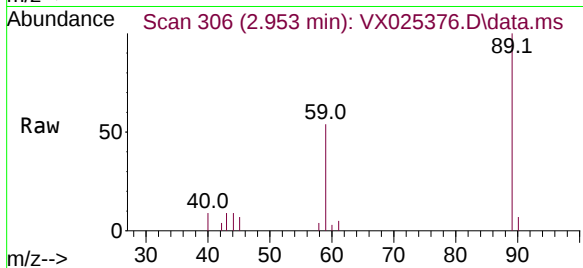
20933

Tgt Ion: 59 Resp: 2464

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.340 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.018 min

Lab File: VX025376.D

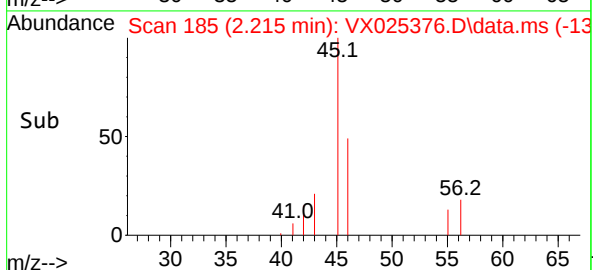
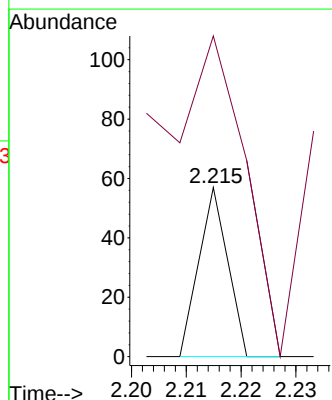
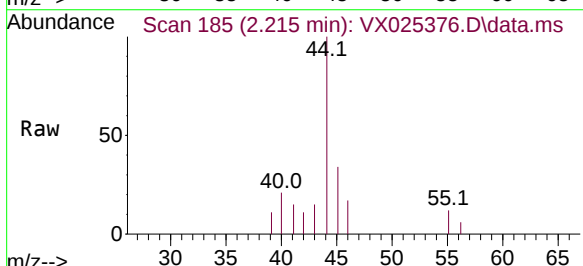
Acq: 29 Nov 2021 17:45

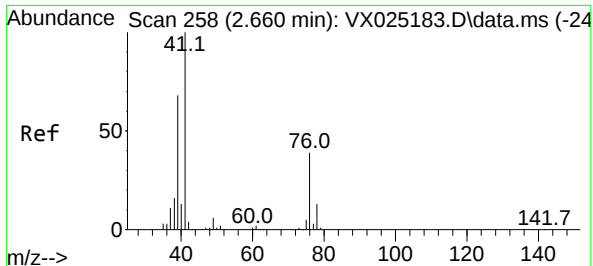
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 700.0 58.6 87.8#





#14

Allyl chloride

Concen: 1.119 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.122 min

Lab File: VX025376.D

Acq: 29 Nov 2021 17:45

Instrument :

MSVOA_X

ClientSampleId :

20933

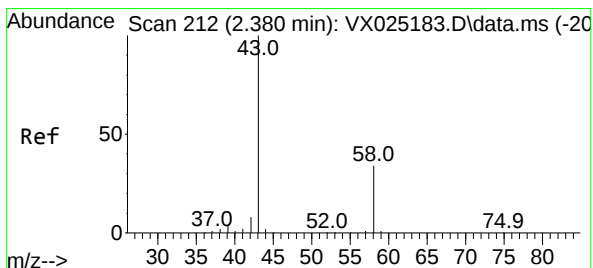
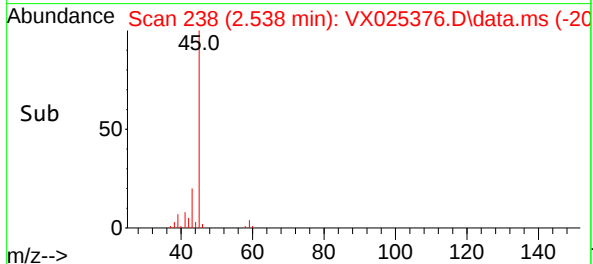
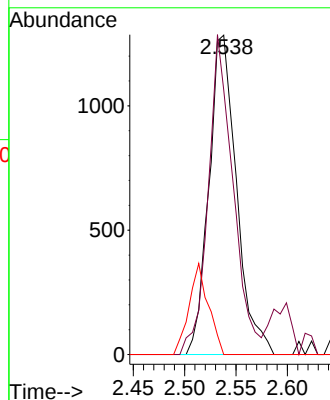
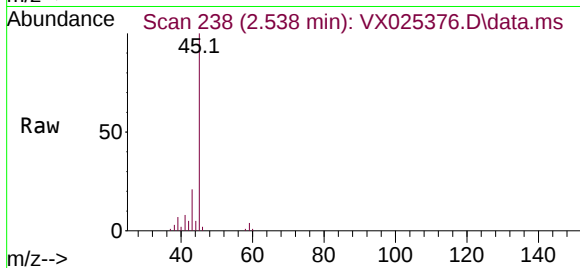
Tgt Ion: 41 Resp: 2400

Ion Ratio Lower Upper

41 100

39 90.6 54.6 82.0#

76 0.0 25.3 37.9#



#16

Acetone

Concen: 2.595 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025376.D

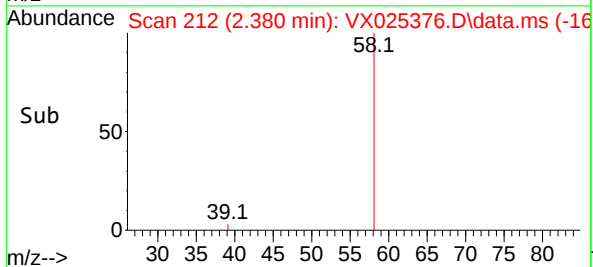
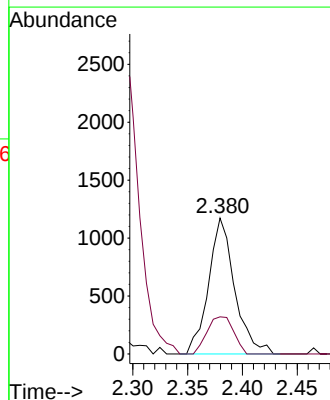
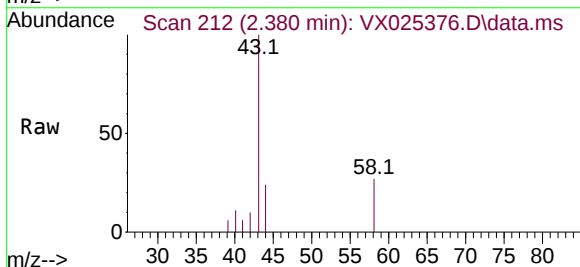
Acq: 29 Nov 2021 17:45

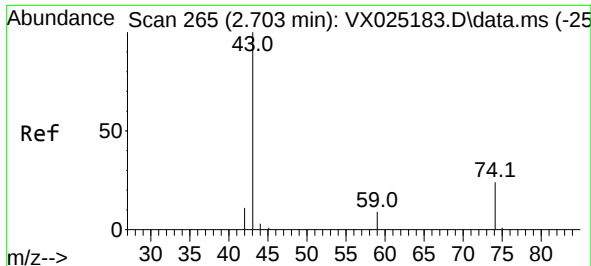
Tgt Ion: 43 Resp: 1943

Ion Ratio Lower Upper

43 100

58 27.3 24.0 36.0

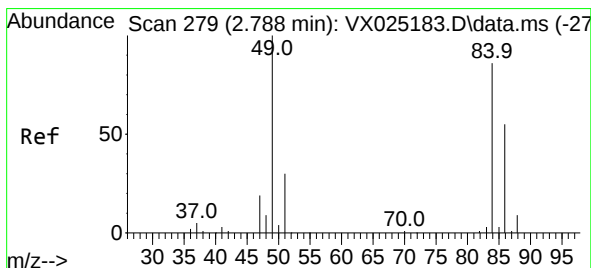
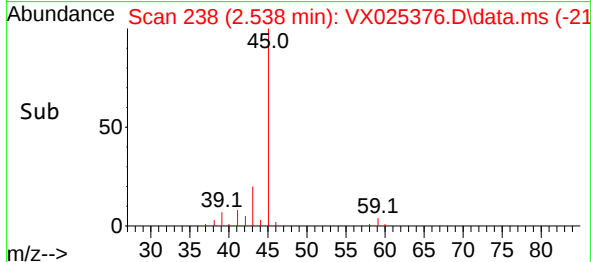
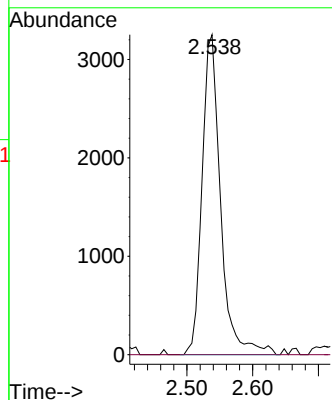
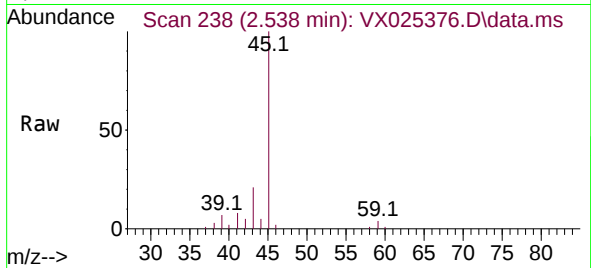




#18
Methyl Acetate
Concen: 2.656 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.165 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

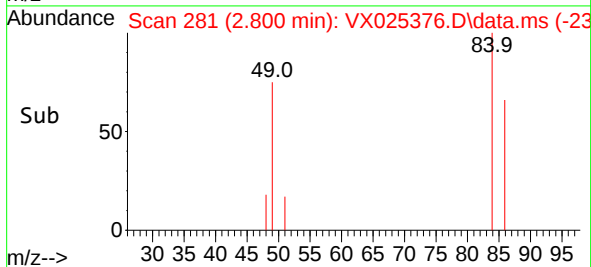
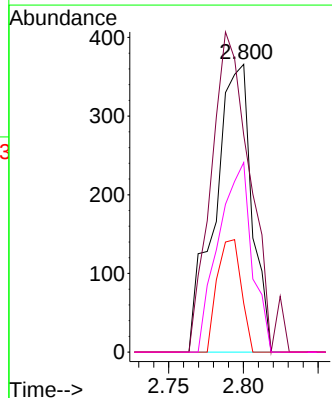
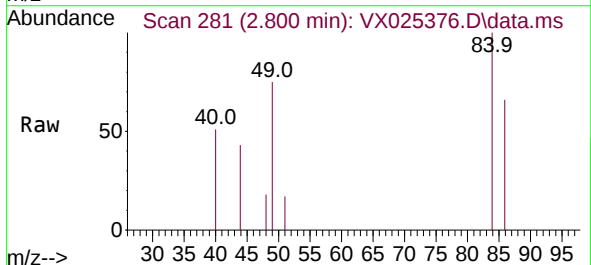
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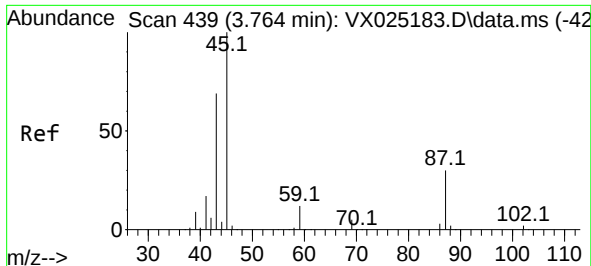
Tgt Ion: 43 Resp: 6354
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 0.446 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion: 84 Resp: 628
Ion Ratio Lower Upper
84 100
49 75.4 98.2 147.2#
51 16.9 30.2 45.4#
86 65.8 52.2 78.2

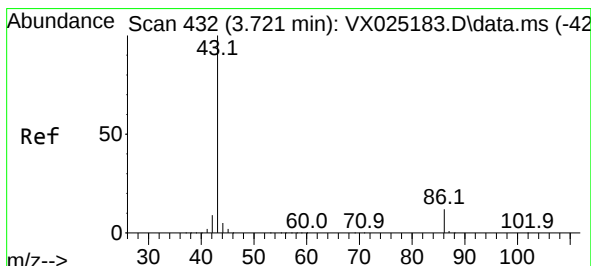
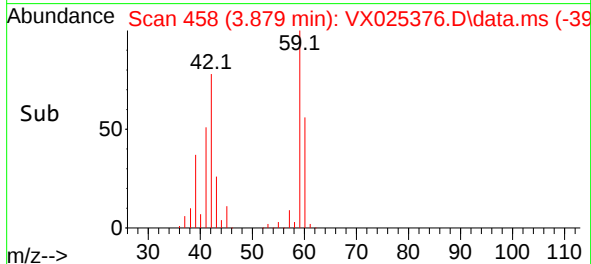
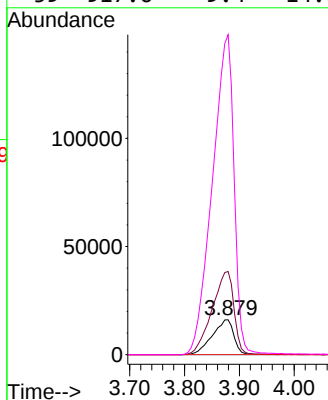
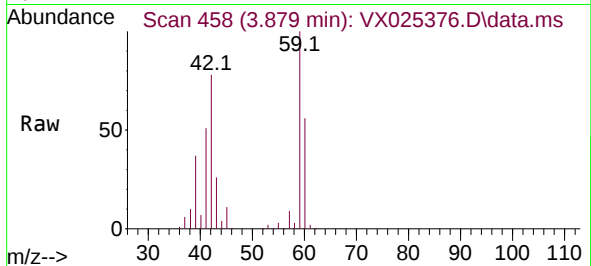




#22
Diisopropyl ether
Concen: 10.881 ug/l
RT: 3.879 min Scan# 458
Delta R.T. 0.115 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

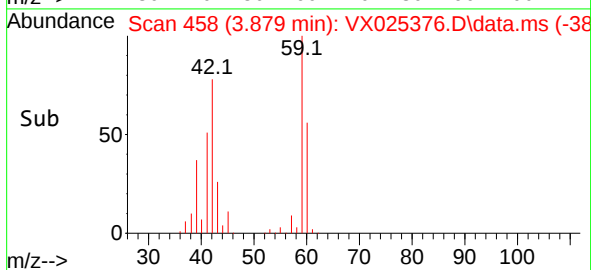
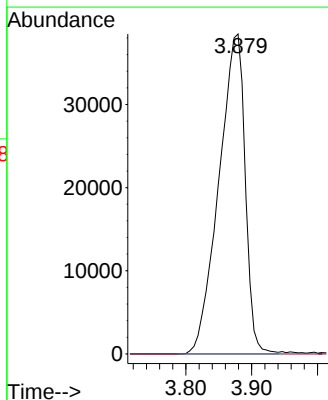
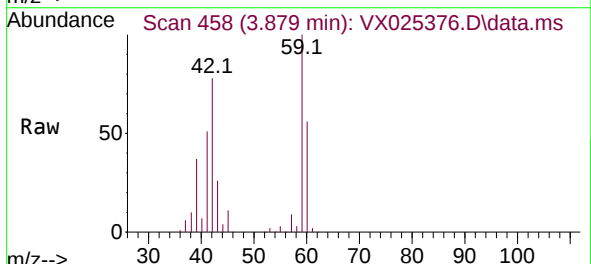
Instrument :
MSVOA_X
ClientSampleId :
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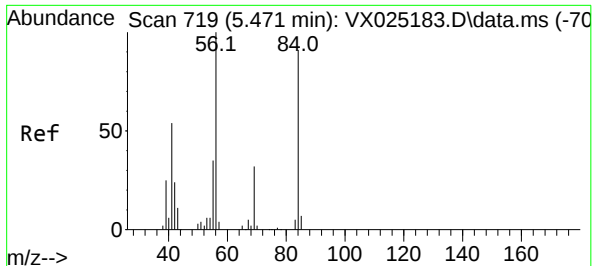
Tgt Ion:	45	Resp:	44437
Ion	Ratio	Lower	Upper
45	100		
43	238.6	58.3	87.5#
87	0.0	23.7	35.5#
59	917.6	9.4	14.0#



#23
Vinyl Acetate
Concen: 32.596 ug/l
RT: 3.879 min Scan# 458
Delta R.T. 0.158 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion:	43	Resp:	106926
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

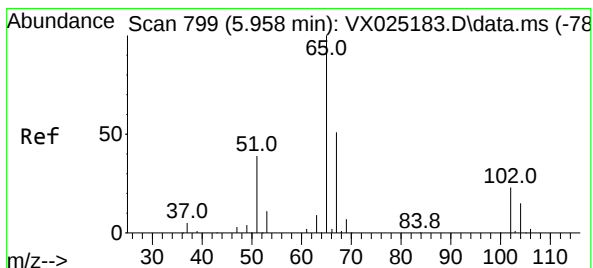
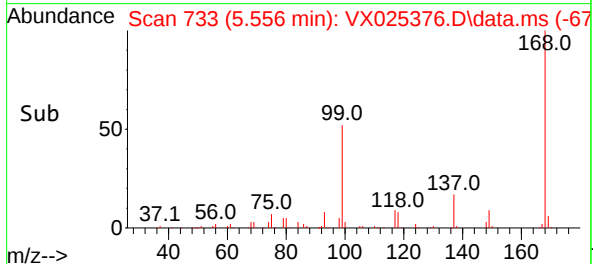
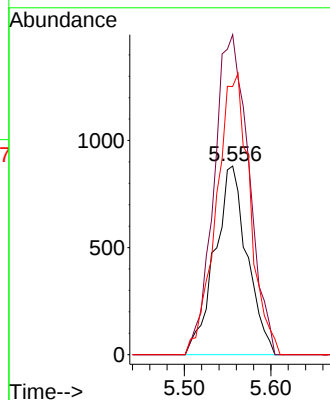
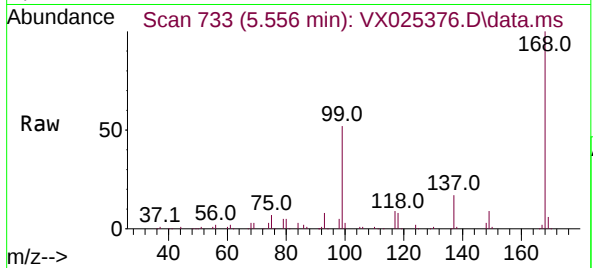




#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

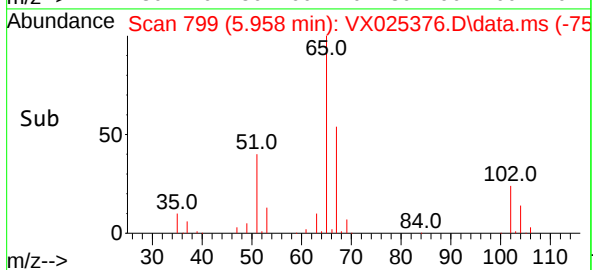
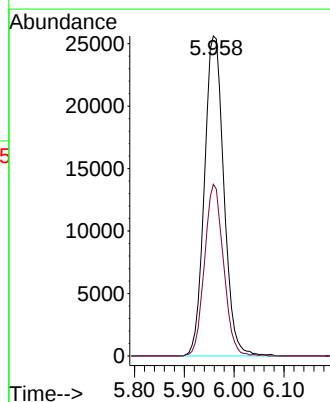
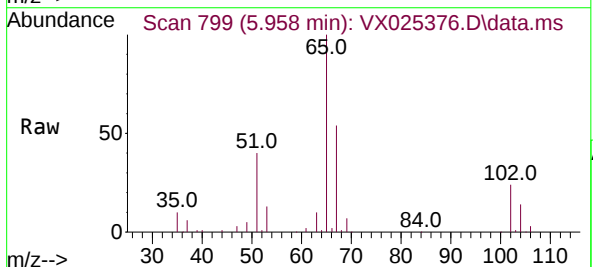
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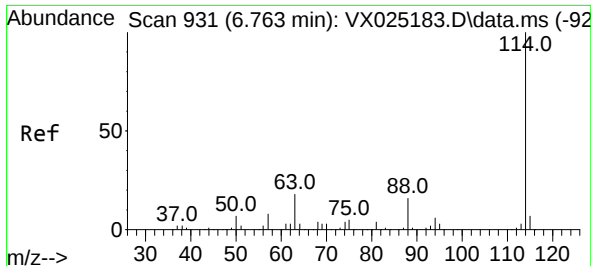
Tgt Ion: 56 Resp: 2281
Ion Ratio Lower Upper
56 100
69 169.6 24.2 36.2#
84 142.1 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 51.487 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion: 65 Resp: 69378
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.0

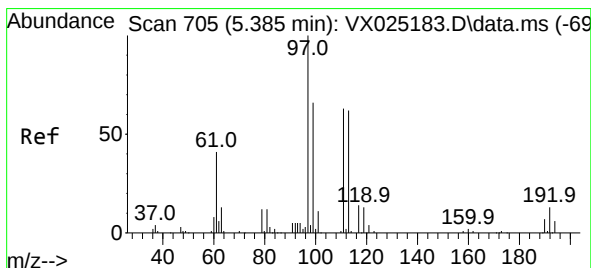
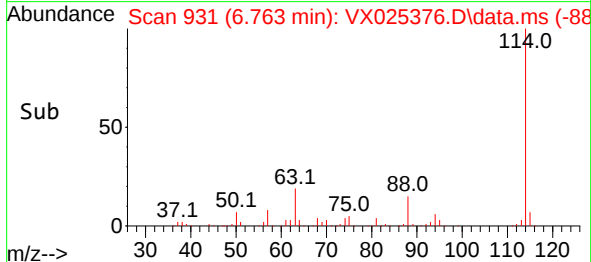
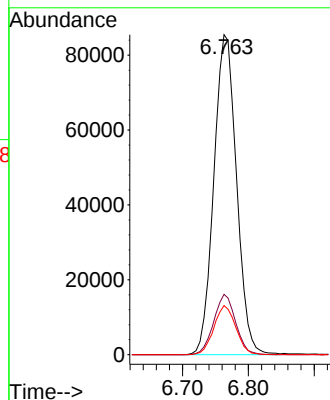
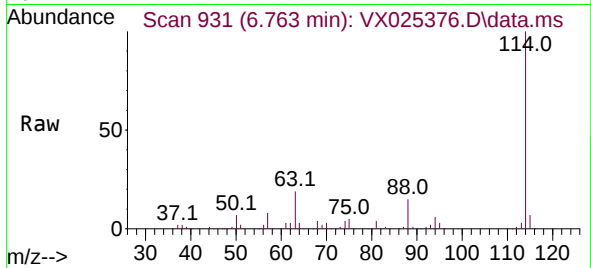




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

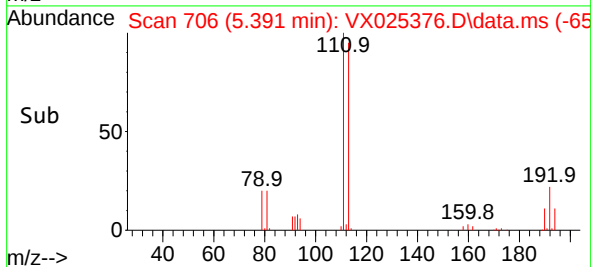
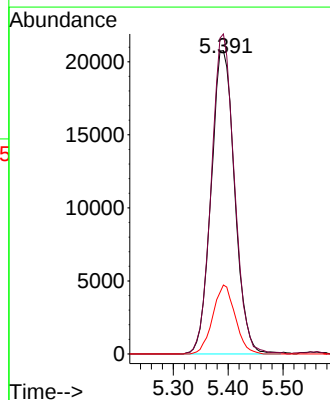
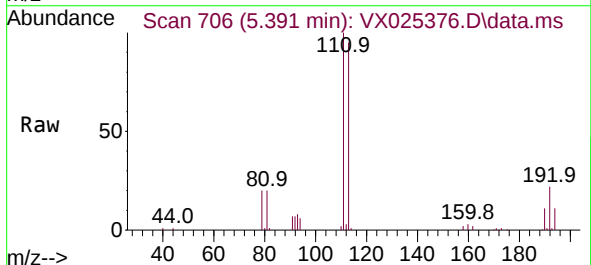
Instrument :
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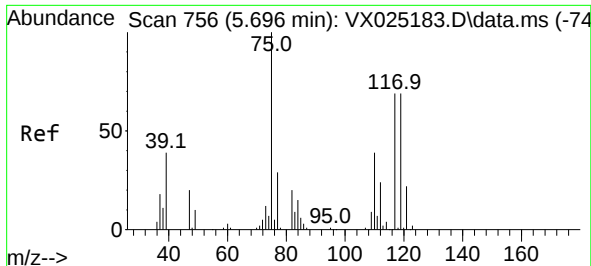
Tgt Ion:114 Resp: 205338
Ion Ratio Lower Upper
114 100
63 18.8 0.0 41.0
88 15.3 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.177 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion:113 Resp: 61957
Ion Ratio Lower Upper
113 100
111 103.1 82.1 123.1
192 21.6 15.6 23.4

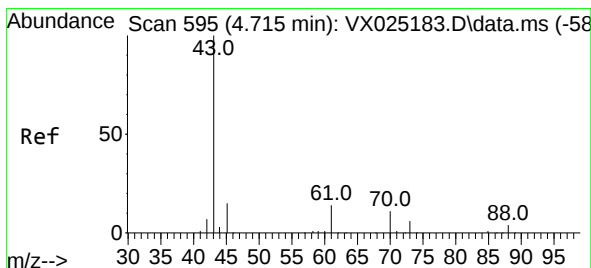
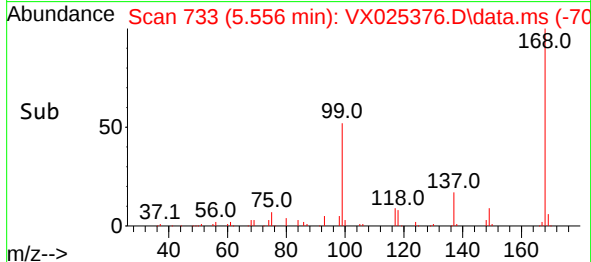
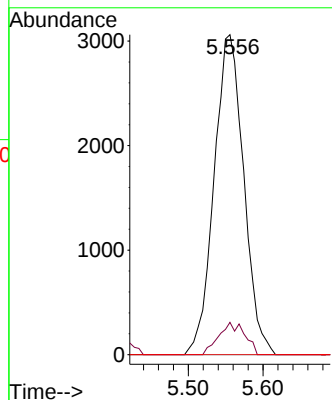
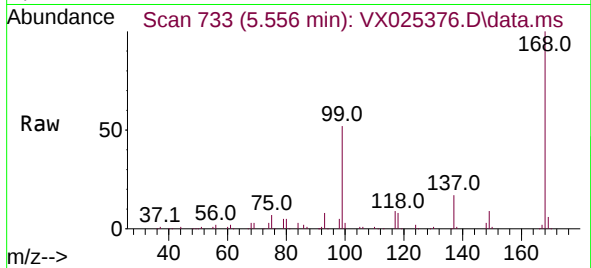




#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

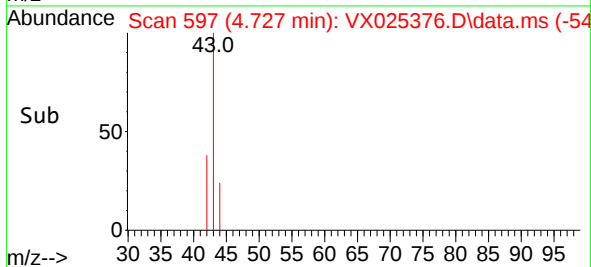
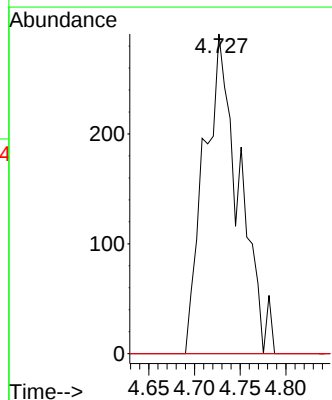
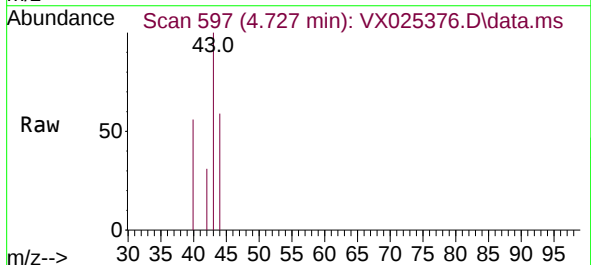
Instrument :
MSVOA_X
ClientSampleId :
20933

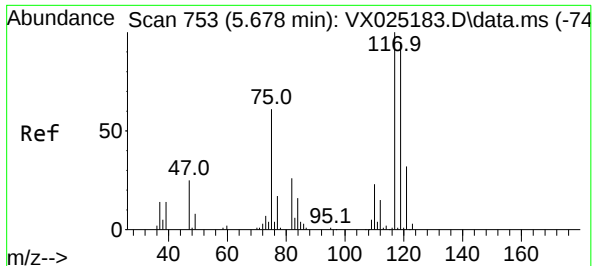
Tgt Ion: 75 Resp: 8433
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.3#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.380 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

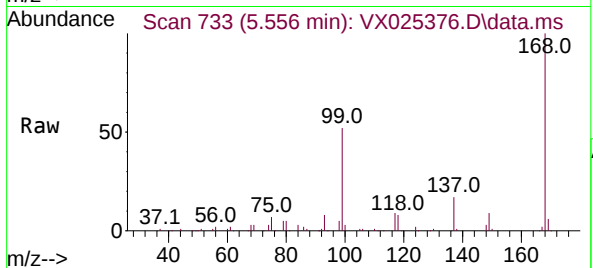
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#



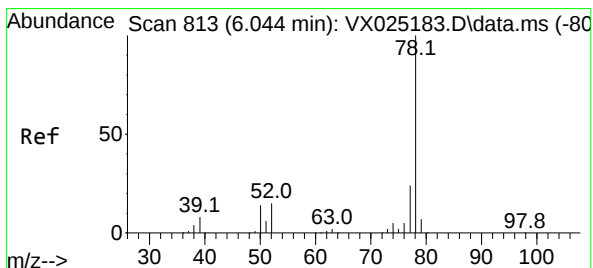
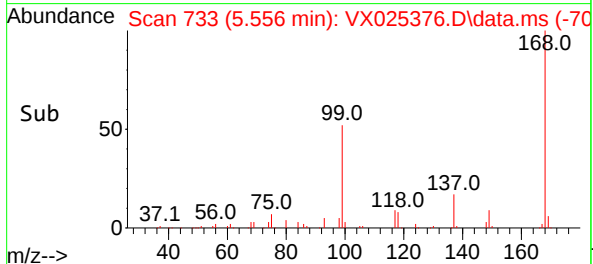
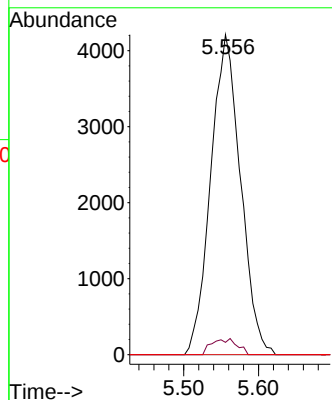


#38
Carbon Tetrachloride
Concen: 5.909 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Instrument :
MSVOA_X
ClientSampleId :
20933

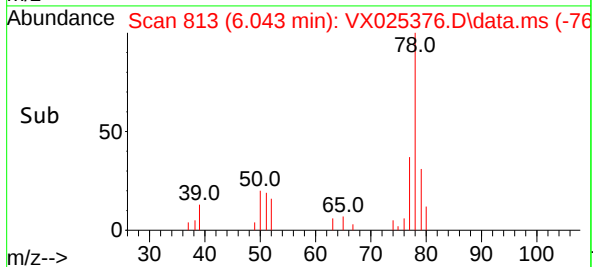
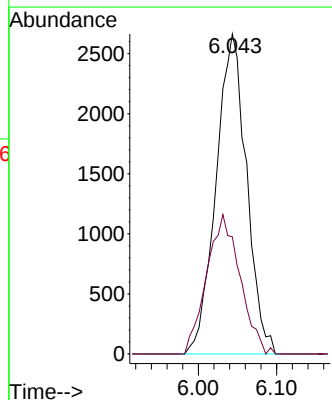
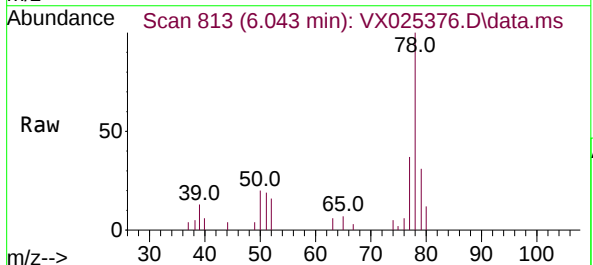


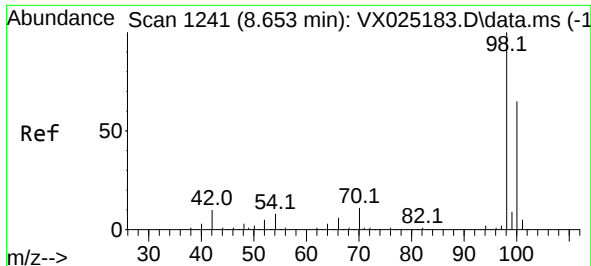
Tgt Ion:117 Resp: 11660
Ion Ratio Lower Upper
117 100
119 3.9 75.6 113.4#
121 0.0 23.7 35.5#



#40
Benzene
Concen: 1.327 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion: 78 Resp: 7203
Ion Ratio Lower Upper
78 100
77 36.6 18.3 27.5#

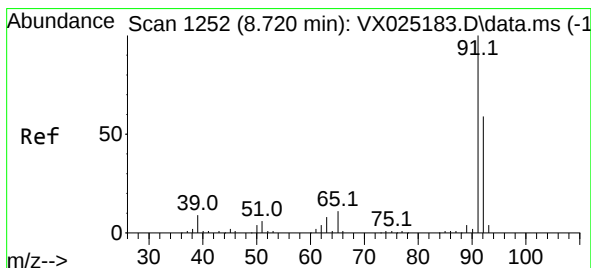
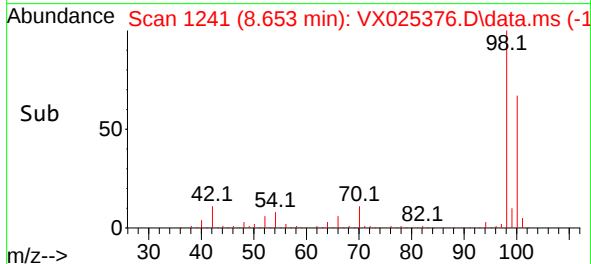
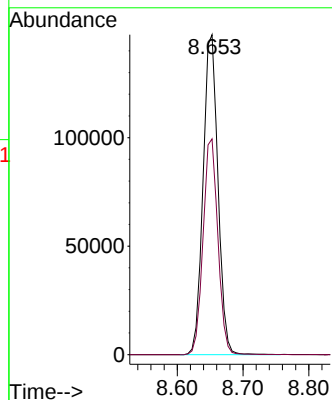
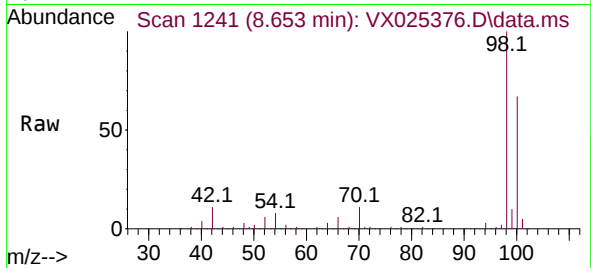




#50
Toluene-d8
Concen: 49.003 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

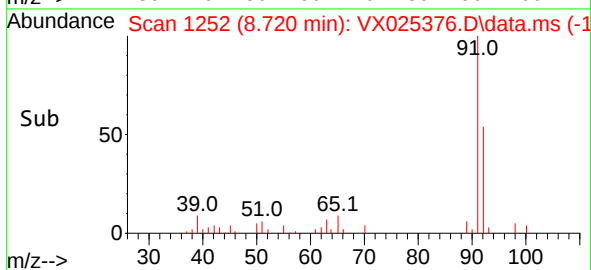
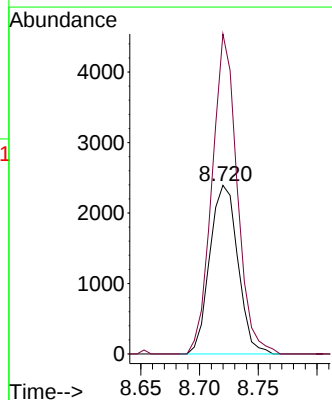
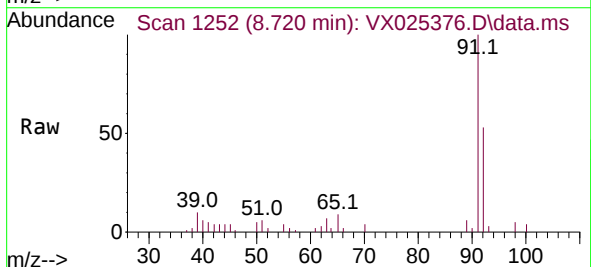
Instrument :
MSVOA_X
ClientSampleId :
20933

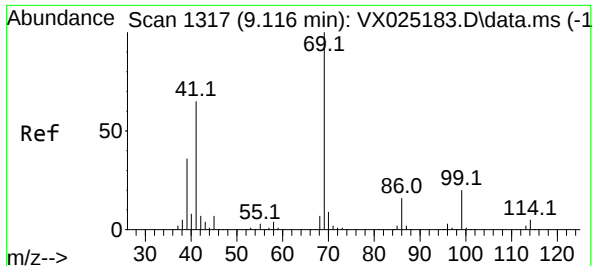
Tgt Ion: 98 Resp: 232128
Ion Ratio Lower Upper
98 100
100 67.1 51.4 77.0



#52
Toluene
Concen: 1.123 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion: 92 Resp: 3980
Ion Ratio Lower Upper
92 100
91 170.2 138.6 208.0





#56

Ethyl methacrylate

Concen: 0.659 ug/l

RT: 9.238 min Scan# 11

Delta R.T. 0.122 min

Lab File: VX025376.D

Acq: 29 Nov 2021 17:45

Instrument :

MSVOA_X

ClientSampleId :

20933

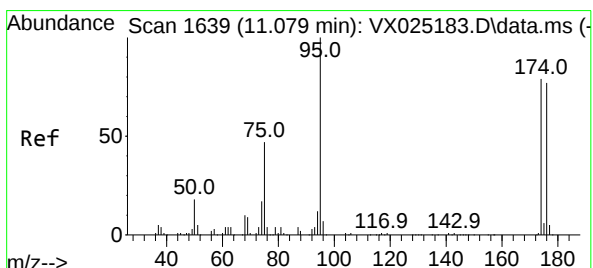
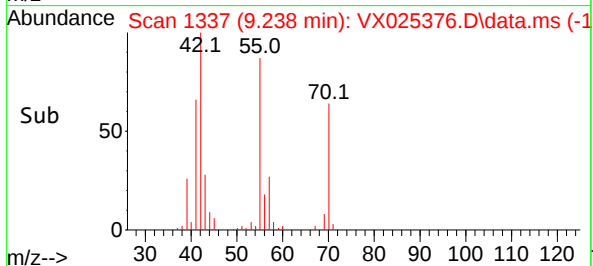
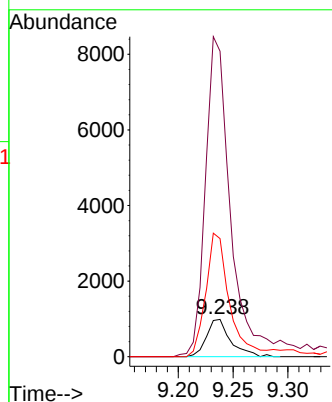
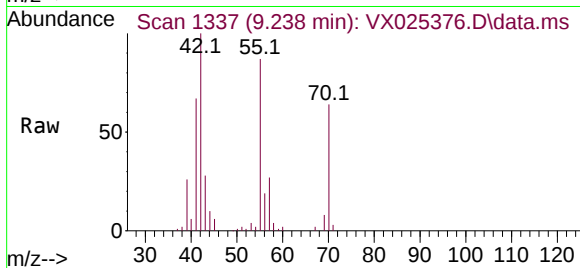
Tgt Ion: 69 Resp: 1506

Ion Ratio Lower Upper

69 100

41 915.1 55.3 82.9#

39 324.4 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 45.207 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025376.D

Acq: 29 Nov 2021 17:45

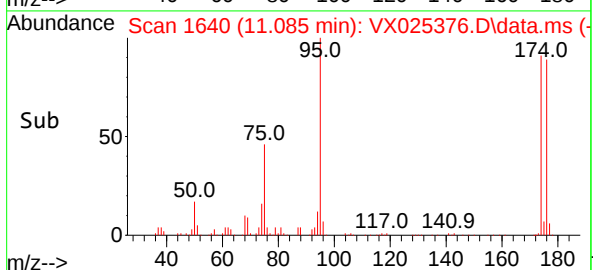
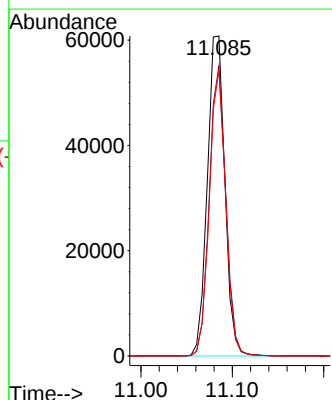
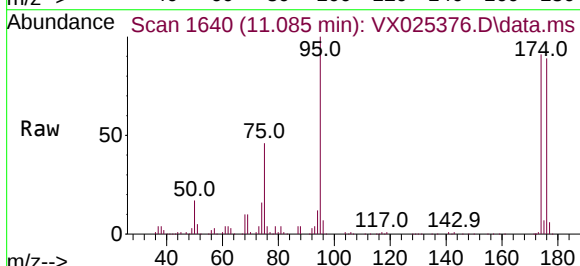
Tgt Ion: 95 Resp: 81014

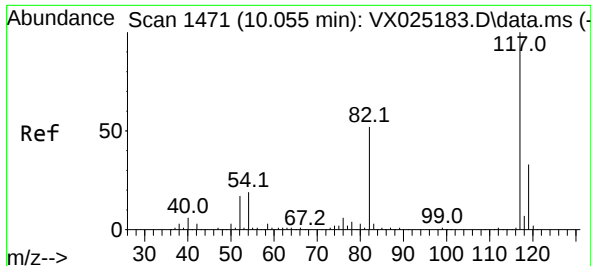
Ion Ratio Lower Upper

95 100

174 85.7 0.0 158.0

176 83.3 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: VX025376.D

Acq: 29 Nov 2021 17:45

Instrument :

MSVOA_X

ClientSampleId :

20933

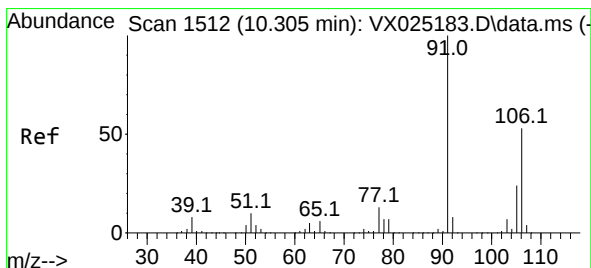
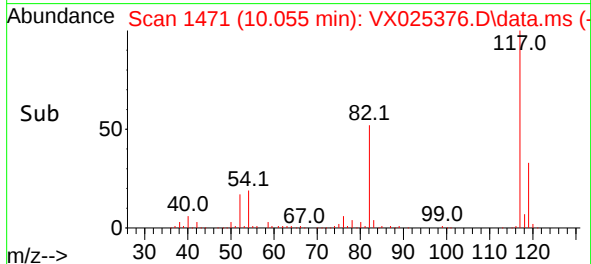
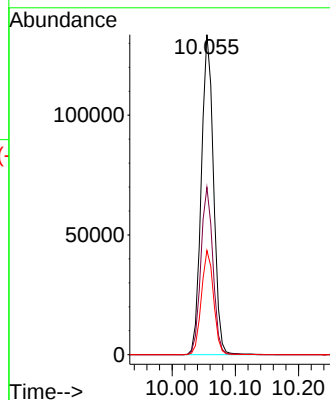
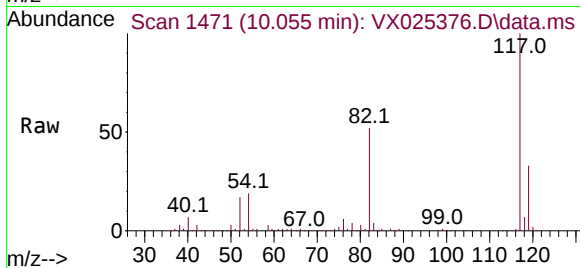
Tgt Ion:117 Resp: 179802

Ion Ratio Lower Upper

117 100

82 52.3 44.6 67.0

119 32.5 24.8 37.2



#68

m/p-Xylenes

Concen: 0.561 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX025376.D

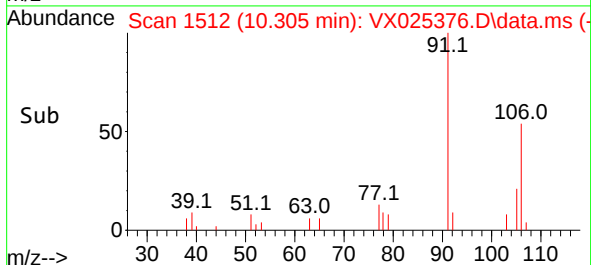
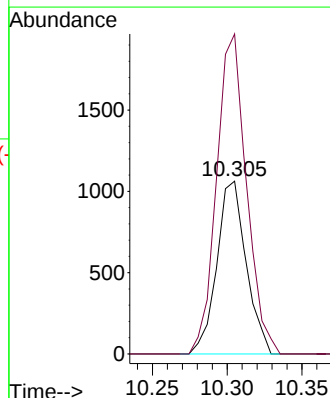
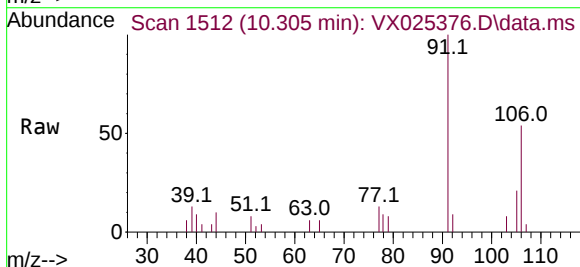
Acq: 29 Nov 2021 17:45

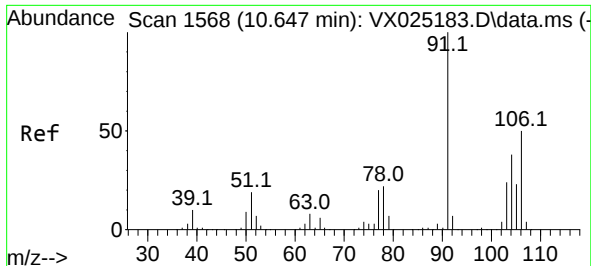
Tgt Ion:106 Resp: 1450

Ion Ratio Lower Upper

106 100

91 188.6 163.4 245.0

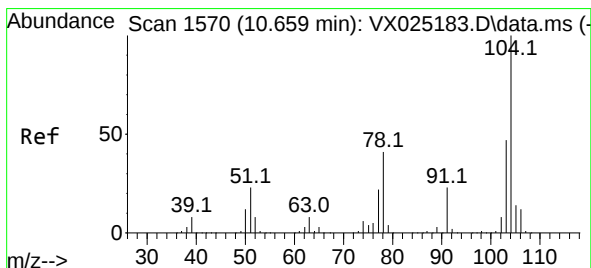
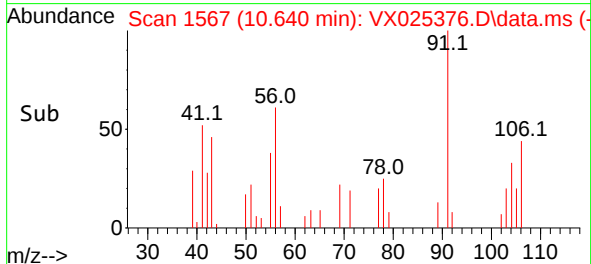
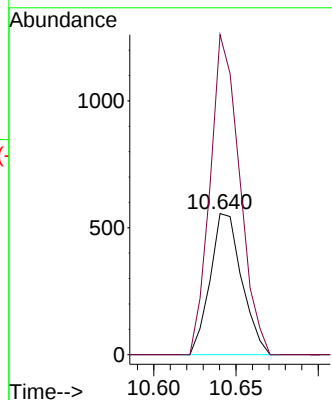
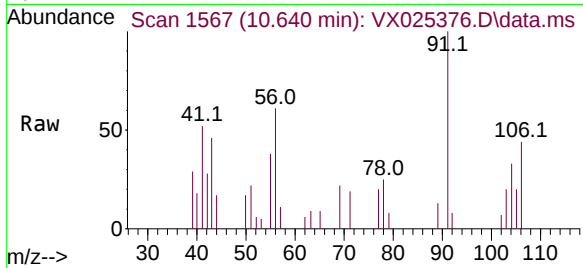




#69
o-Xylene
Concen: 0.294 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

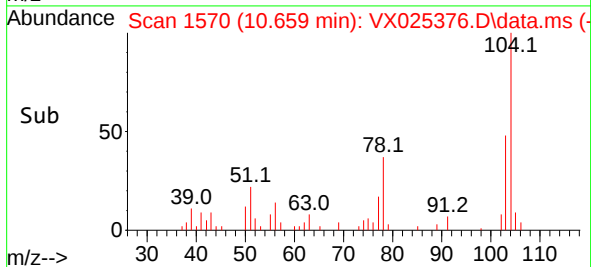
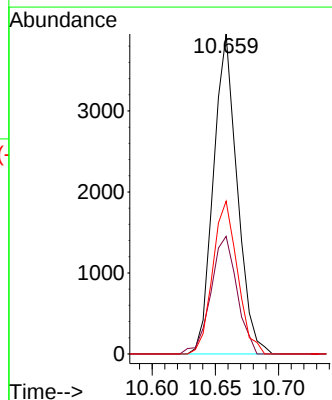
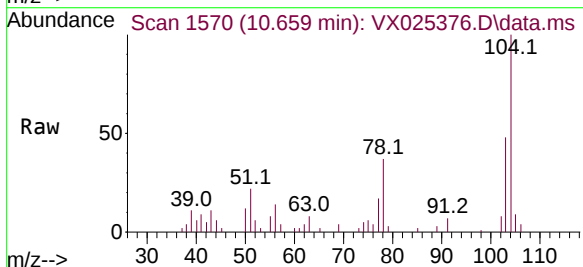
Instrument :
MSVOA_X
ClientSampleId :
20933

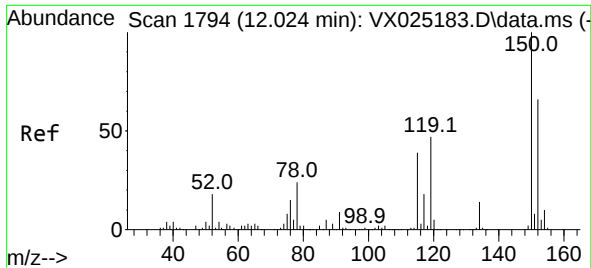
Tgt Ion:106 Resp: 743
Ion Ratio Lower Upper
106 100
91 212.0 109.5 328.4



#70
Styrene
Concen: 1.232 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion:104 Resp: 5154
Ion Ratio Lower Upper
104 100
78 40.1 41.3 61.9#
103 49.8 43.5 65.3

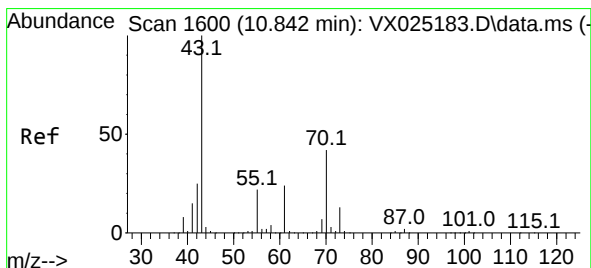
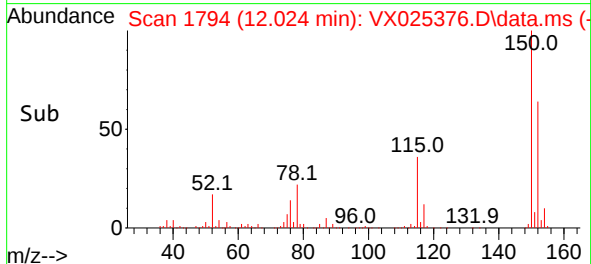
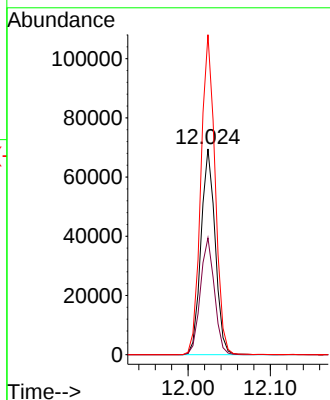
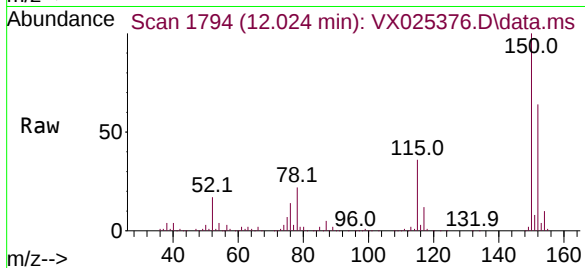




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025376.D
 Acq: 29 Nov 2021 17:45

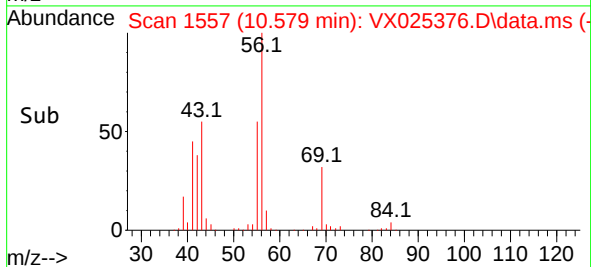
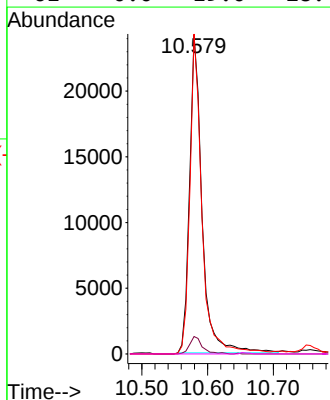
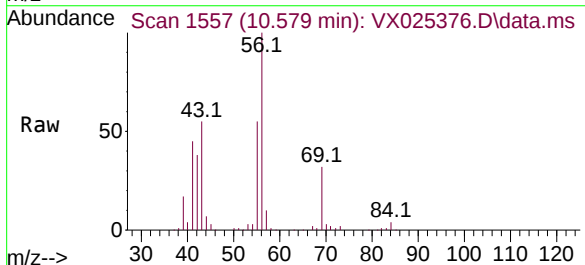
Instrument :
 MSVOA_X
 ClientSampleId :
 20933

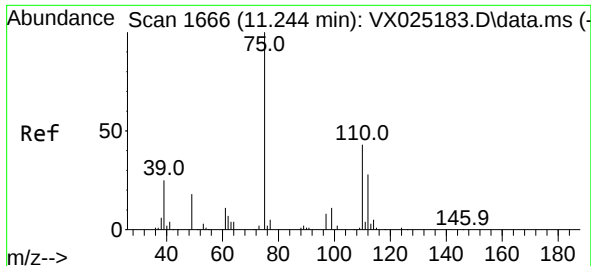
Tgt Ion:152 Resp: 83080
 Ion Ratio Lower Upper
 152 100
 115 56.2 43.3 129.8
 150 156.5 0.0 351.2



#74
 N-ethyl acetate
 Concen: 12.454 ug/l
 RT: 10.579 min Scan# 1557
 Delta R.T. -0.263 min
 Lab File: VX025376.D
 Acq: 29 Nov 2021 17:45

Tgt Ion: 43 Resp: 31896
 Ion Ratio Lower Upper
 43 100
 70 5.6 33.7 50.5#
 55 95.6 19.7 29.5#
 61 0.0 19.0 28.4#

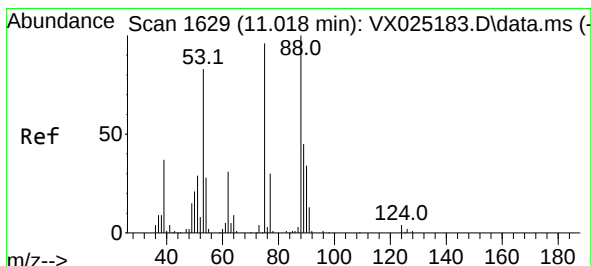
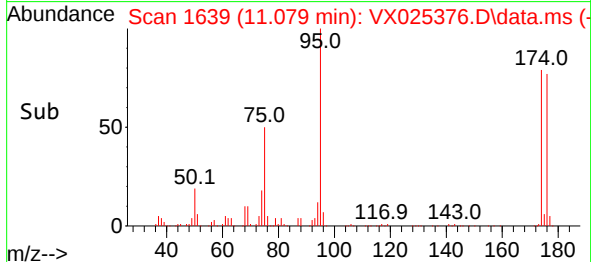
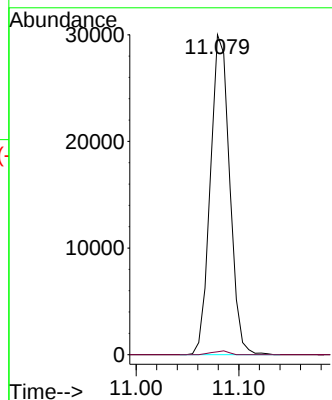
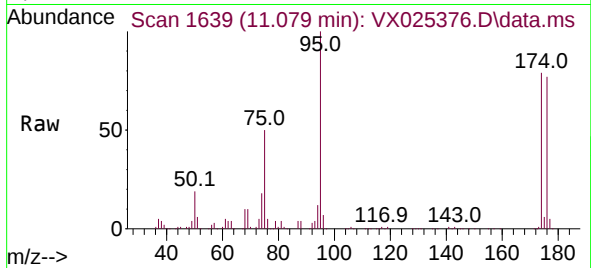




#76
1,2,3-Trichloropropane
Concen: 22.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

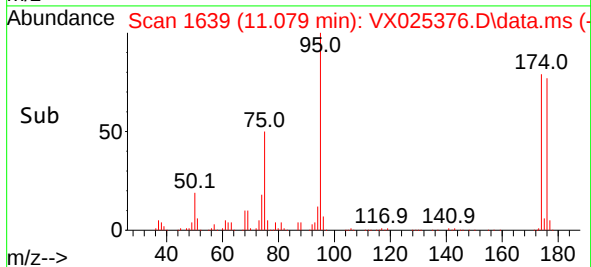
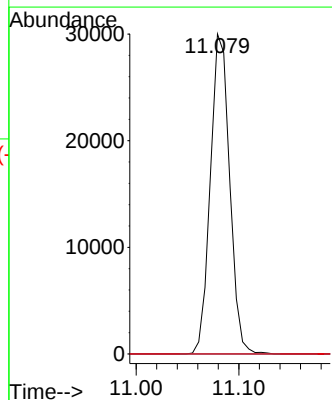
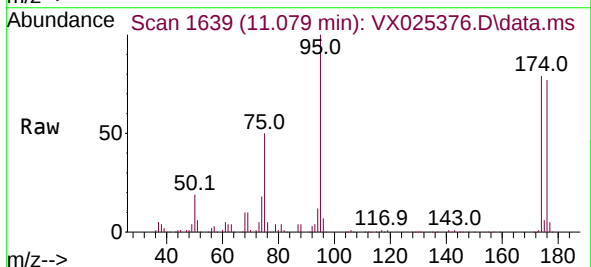
Instrument :
MSVOA_X
ClientSampleId :
20933

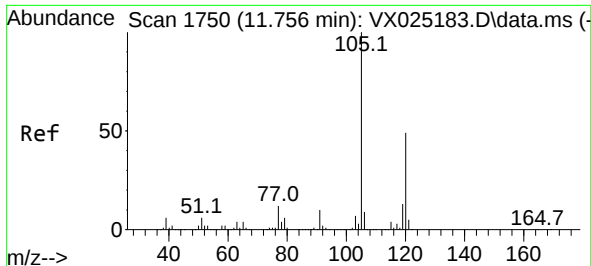
Tgt Ion: 75 Resp: 39094
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.888 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion: 75 Resp: 39094
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#

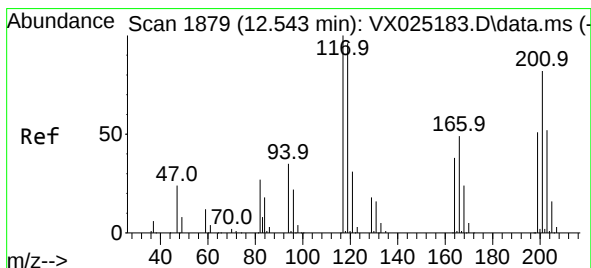
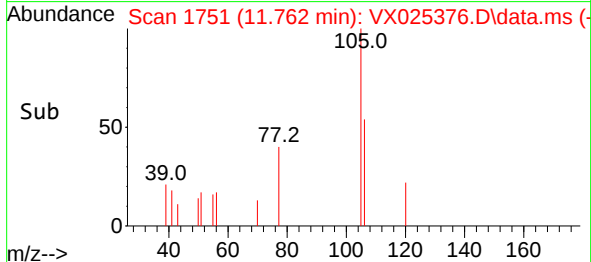
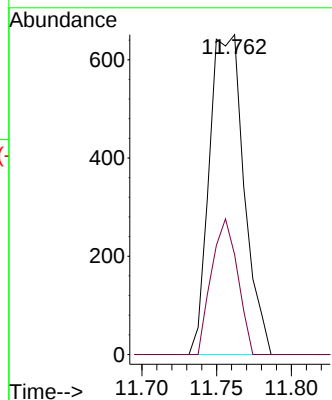
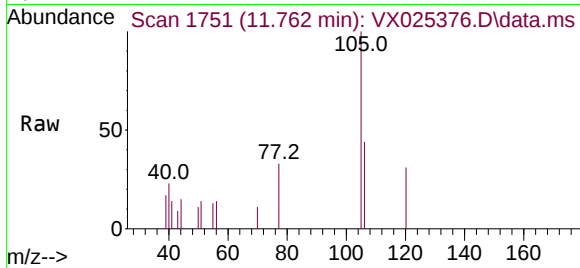




#84
1,2,4-Trimethylbenzene
Concen: 0.213 ug/l
RT: 11.762 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

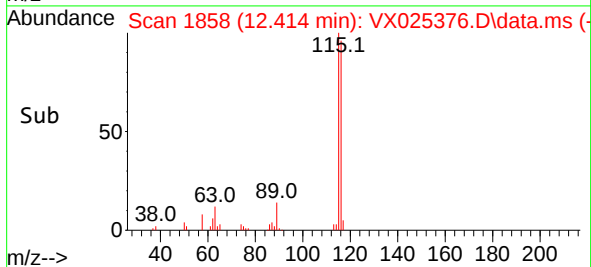
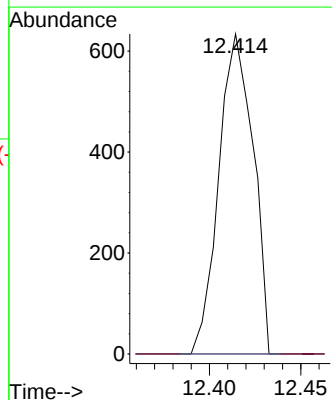
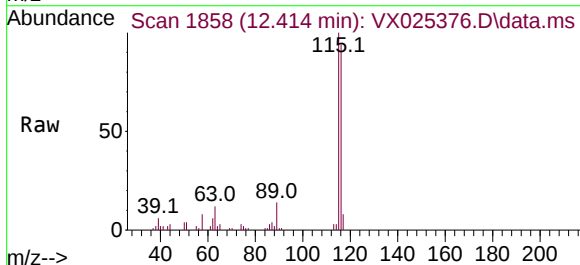
Instrument :
MSVOA_X
ClientSampleId :
20933

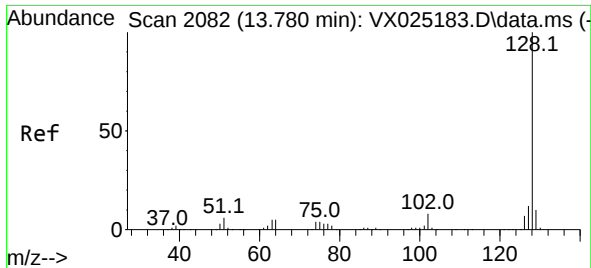
Tgt Ion:105 Resp: 1048
Ion Ratio Lower Upper
105 100
120 31.8 22.1 66.3



#90
Hexachloroethane
Concen: 0.851 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.129 min
Lab File: VX025376.D
Acq: 29 Nov 2021 17:45

Tgt Ion:117 Resp: 829
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#





#95

Naphthalene

Concen: 0.711 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX025376.D

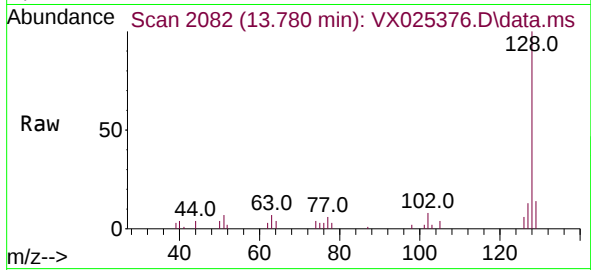
Acq: 29 Nov 2021 17:45

Instrument :

MSVOA_X

ClientSampleId :

20933



Tgt Ion:128 Resp: 6057

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 12.4 8.8 13.2

