

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025384.D
 Acq On : 29 Nov 2021 20:52
 Operator : JC/MD
 Sample : M4837-10 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20930

Quant Time: Nov 30 04:05:39 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)

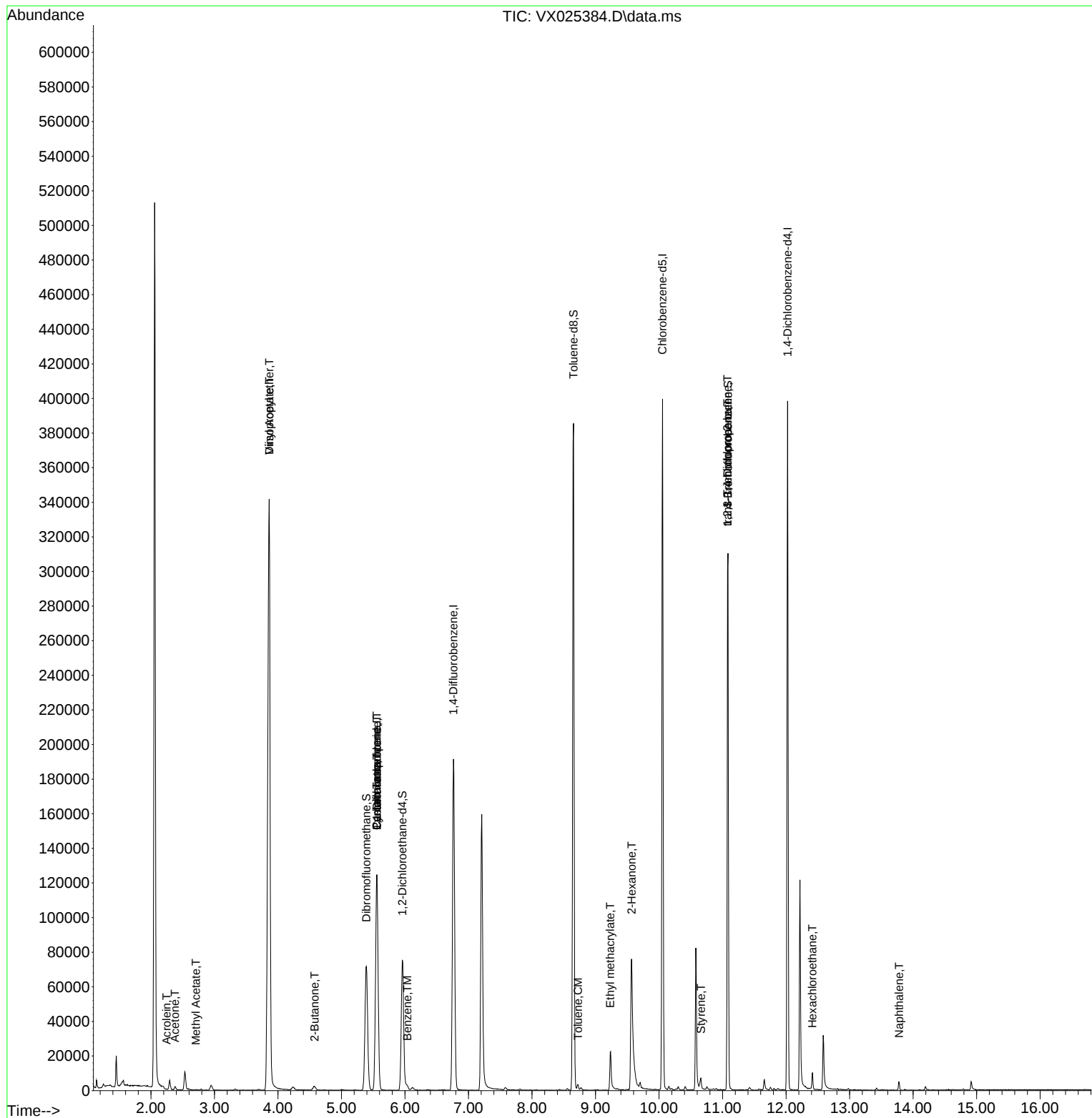
Internal Standards						
1) Pentafluorobenzene	5.556	168	125468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206187	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69607	52.632	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.260%			
35) Dibromofluoromethane	5.391	113	63079	49.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.653	98	236491	49.719	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.440%			
62) 4-Bromofluorobenzene	11.085	95	82965	46.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.220%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1965	Below Cal	#	72
13) Acrolein	2.245	56	48	0.792	ug/l	83
16) Acetone	2.380	43	2127	2.894	ug/l	95
18) Methyl Acetate	2.709	43	713	0.304	ug/l	# 52
22) Diisopropyl ether	3.861	45	22906	5.715	ug/l	# 1
23) Vinyl Acetate	3.861	43	55983	17.389	ug/l	# 72
25) 2-Butanone	4.574	43	500	0.471	ug/l	# 48
31) Cyclohexane	5.556	56	2218	1.085	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	8690	4.831	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	11750	5.930	ug/l	# 16
40) Benzene	6.037	78	1350	0.248	ug/l	# 11
52) Toluene	8.726	92	1065	0.299	ug/l	98
56) Ethyl methacrylate	9.232	69	621	0.271	ug/l	# 1
59) 2-Hexanone	9.567	43	26967	16.015	ug/l	# 35
70) Styrene	10.659	104	2125	0.499	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	39763	22.930	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	39763	57.764	ug/l	# 9
90) Hexachloroethane	12.414	117	352	0.355	ug/l	# 11
95) Naphthalene	13.780	128	3336	0.210	ug/l	98

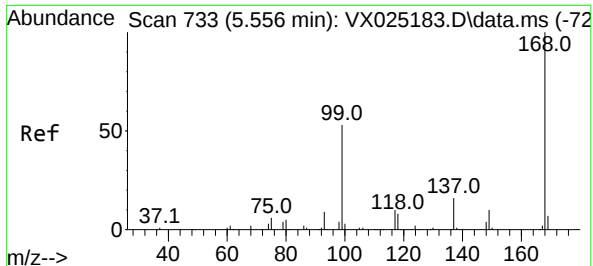
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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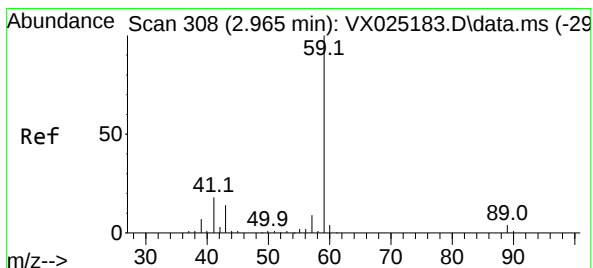
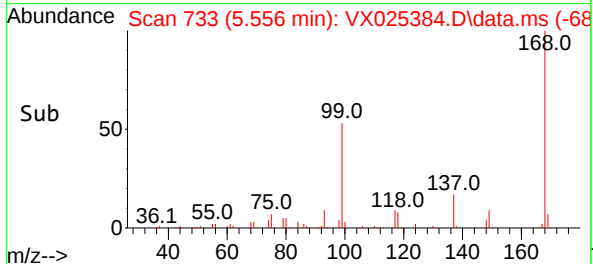
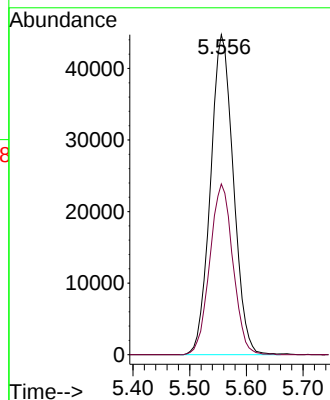
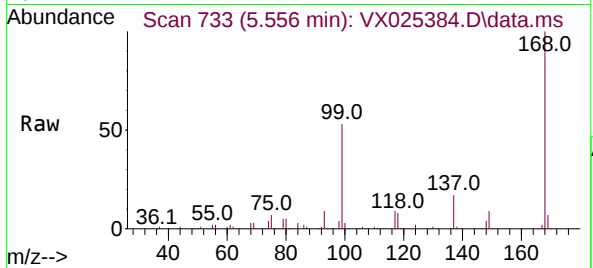




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

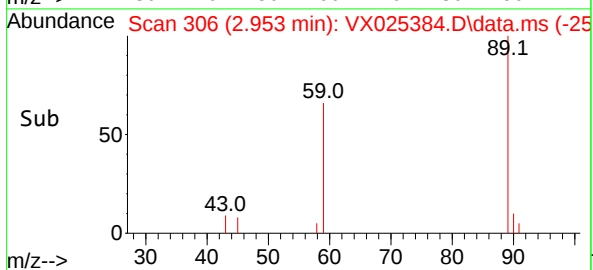
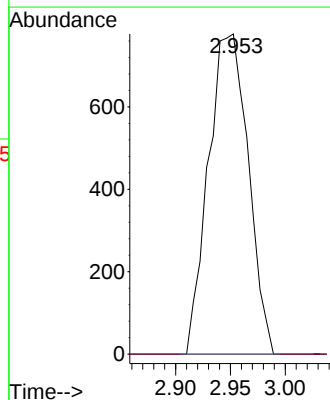
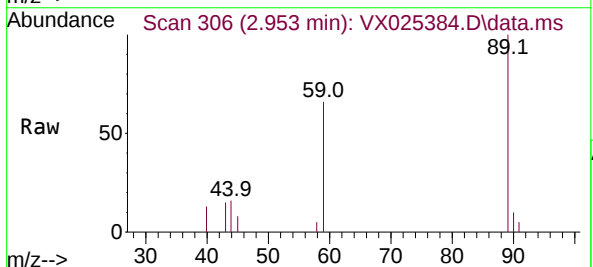
Instrument :
MSVOA_X
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20930

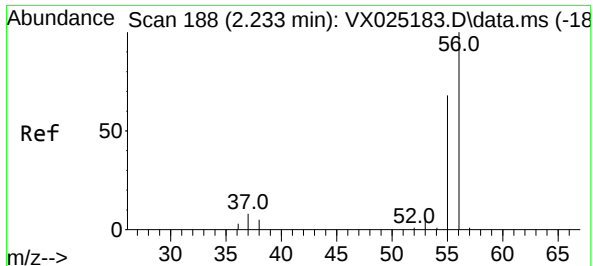
Tgt Ion:168 Resp: 125468
Ion Ratio Lower Upper
168 100
99 53.4 46.4 69.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion: 59 Resp: 1965
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.792 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX025384.D

Acq: 29 Nov 2021 20:52

Instrument :

MSVOA_X

ClientSampleId :

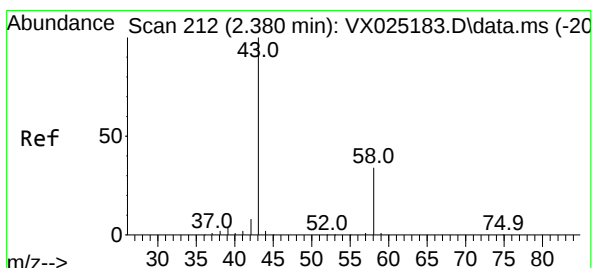
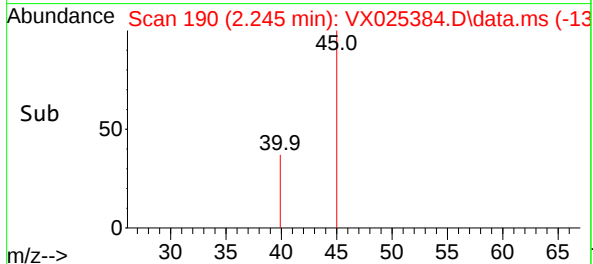
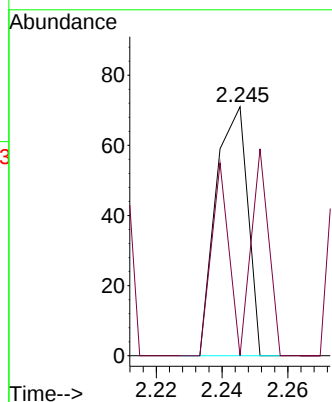
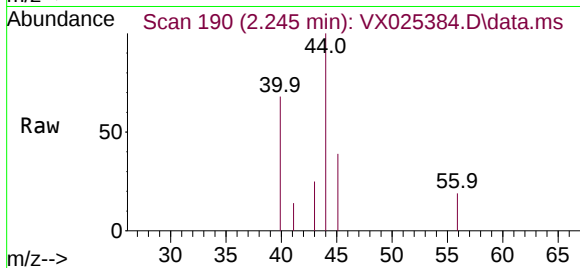
20930

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 87.5 58.6 87.8



#16

Acetone

Concen: 2.894 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025384.D

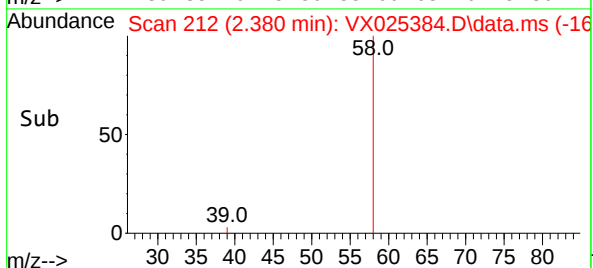
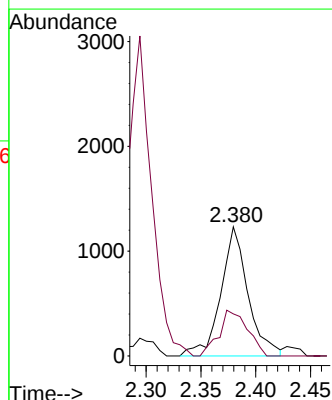
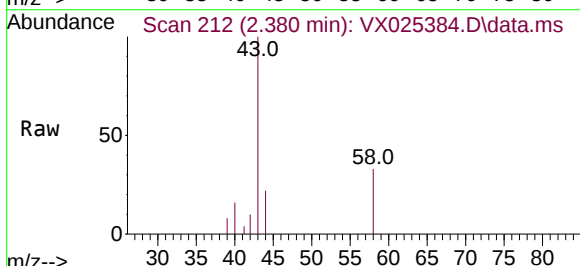
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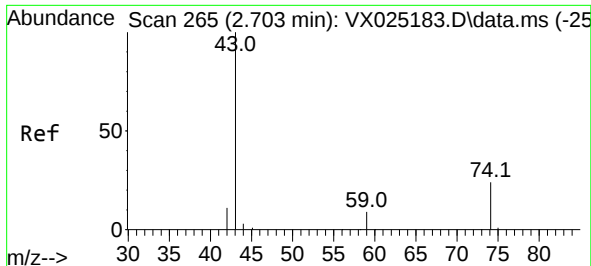
Tgt Ion: 43 Resp: 2127

Ion Ratio Lower Upper

43 100

58 32.6 24.0 36.0

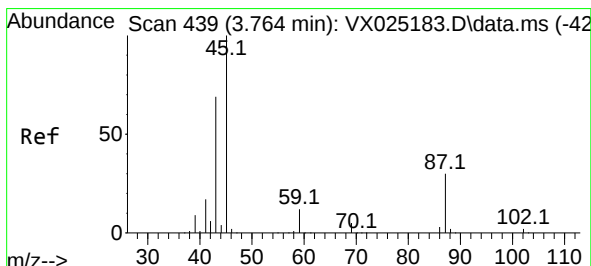
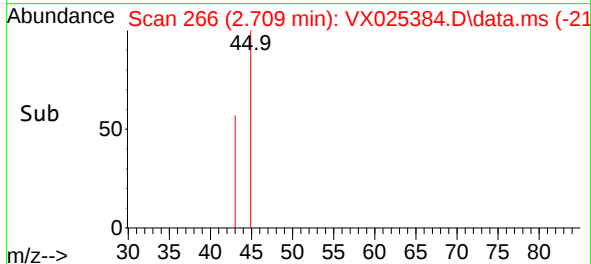
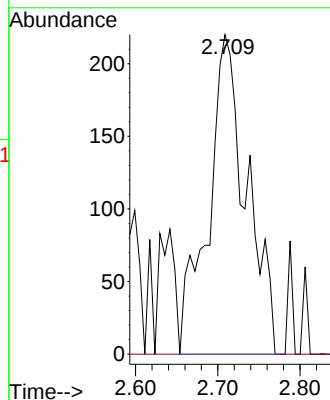
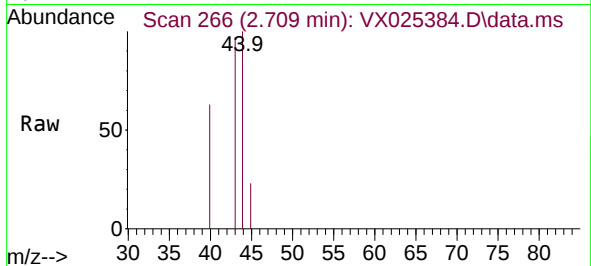




#18
Methyl Acetate
Concen: 0.304 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

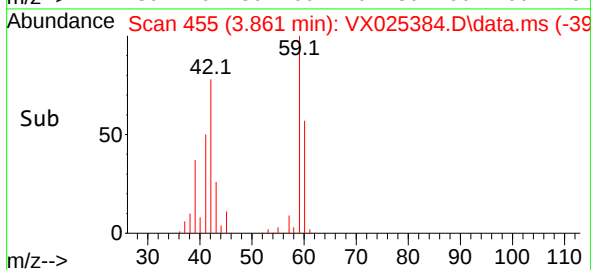
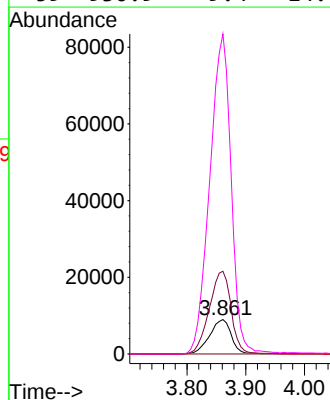
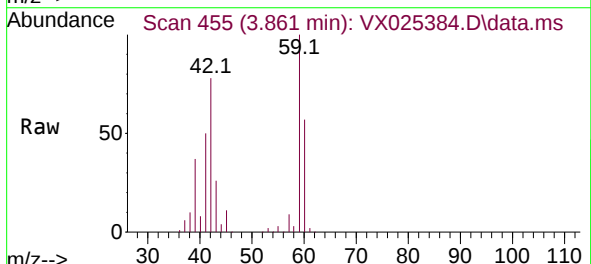
Instrument :
MSVOA_X
ClientSampleId :
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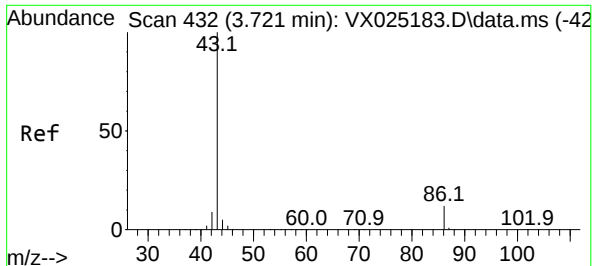
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#22
Diisopropyl ether
Concen: 5.715 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.097 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion: 45 Resp: 22906
Ion Ratio Lower Upper
45 100
43 240.5 58.3 87.5#
87 0.0 23.7 35.5#
59 930.9 9.4 14.0#

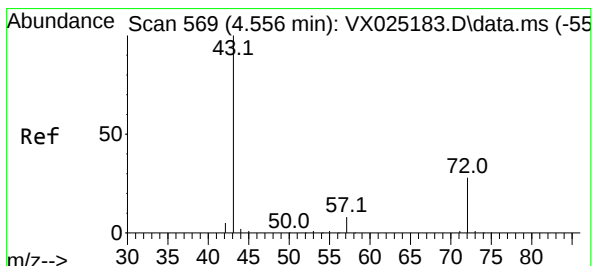
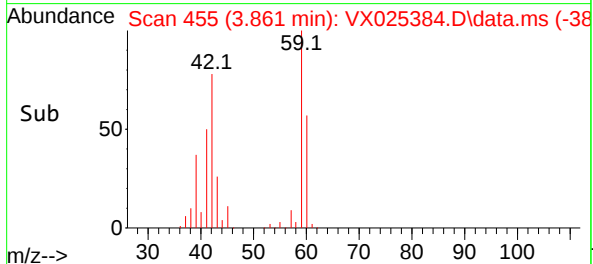
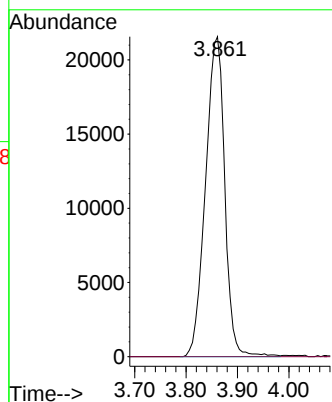
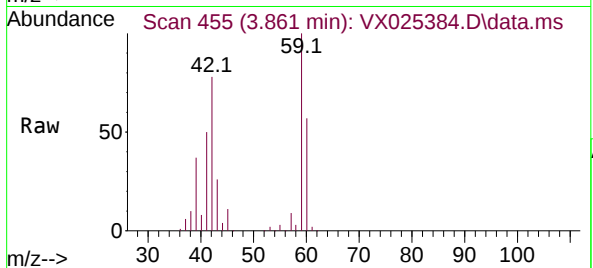




#23
 Vinyl Acetate
 Concen: 17.389 ug/l
 RT: 3.861 min Scan# 41
 Delta R.T. 0.140 min
 Lab File: VX025384.D
 Acq: 29 Nov 2021 20:52

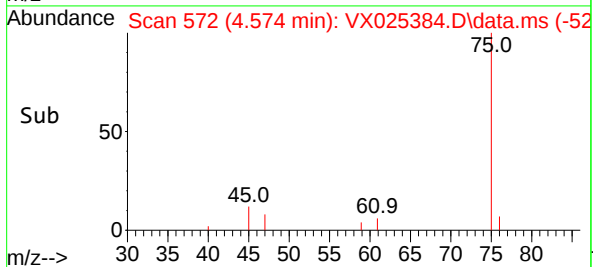
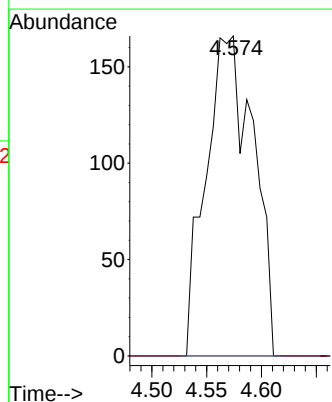
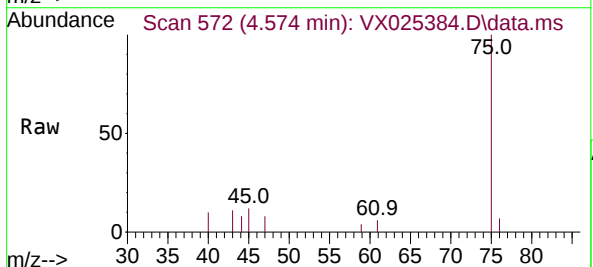
Instrument :
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 ClientSampleId :
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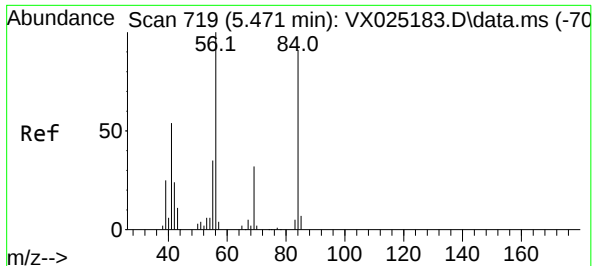
Tgt Ion: 43 Resp: 55983
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 0.471 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: VX025384.D
 Acq: 29 Nov 2021 20:52

Tgt Ion: 43 Resp: 500
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.2 31.8#

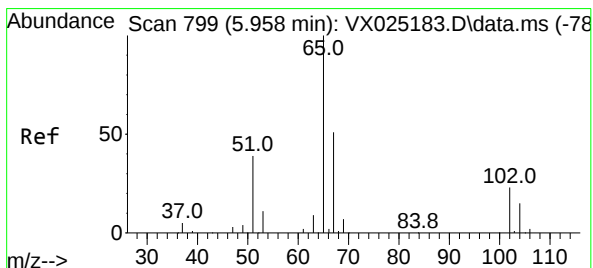
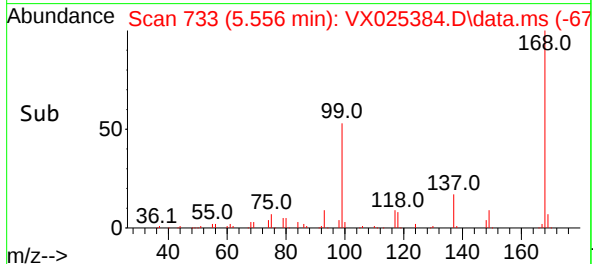
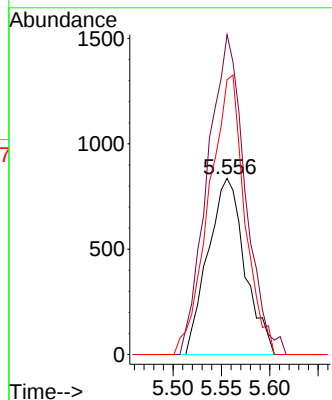
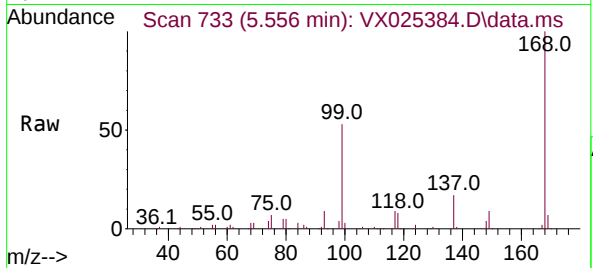




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

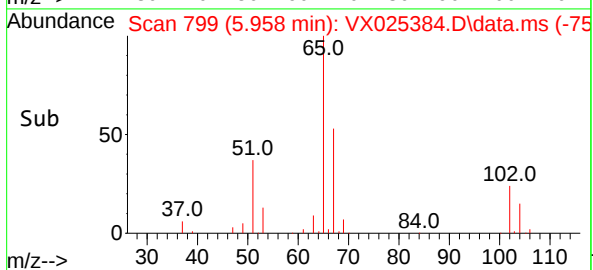
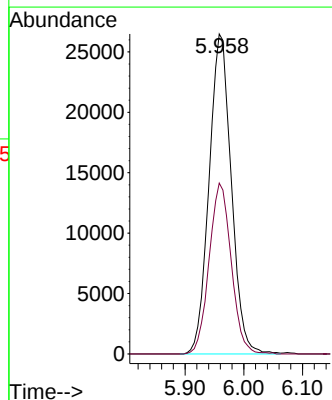
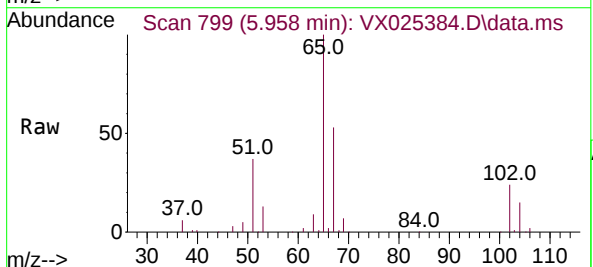
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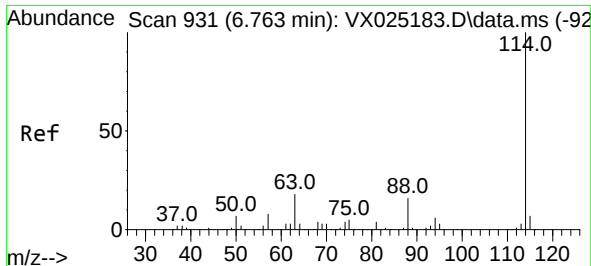
Tgt Ion: 56 Resp: 2218
Ion Ratio Lower Upper
56 100
69 181.6 24.2 36.2#
84 156.1 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 52.632 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion: 65 Resp: 69607
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.0

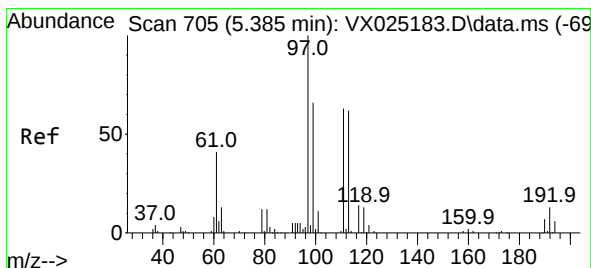
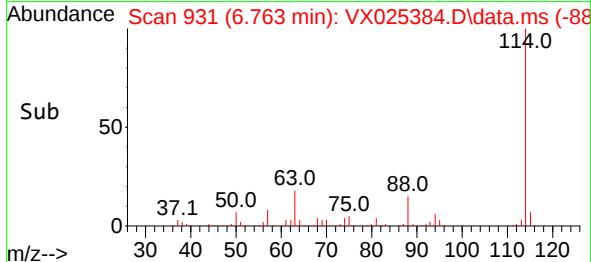
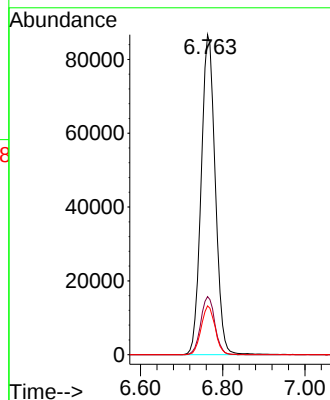
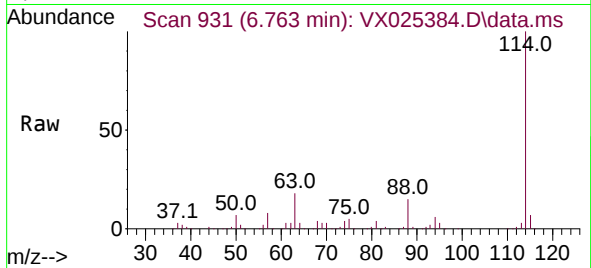




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

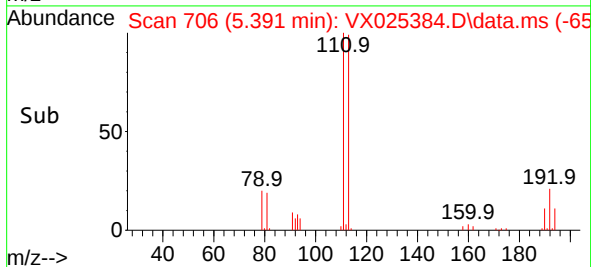
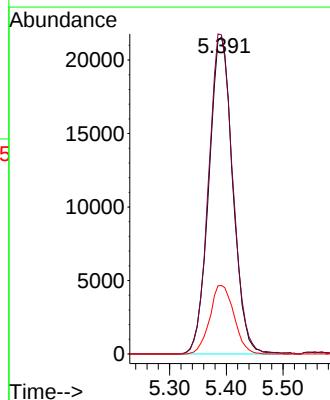
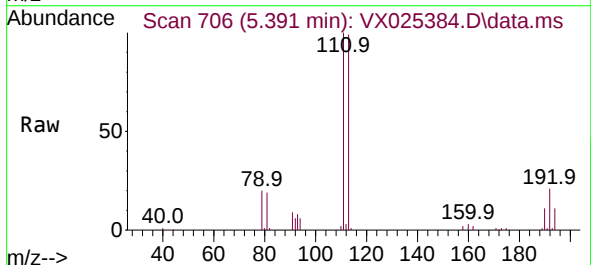
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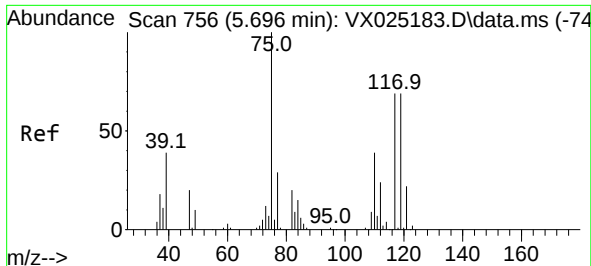
Tgt Ion:114 Resp: 206187
Ion Ratio Lower Upper
114 100
63 18.1 0.0 41.0
88 15.3 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.861 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion:113 Resp: 63079
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 21.9 15.6 23.4

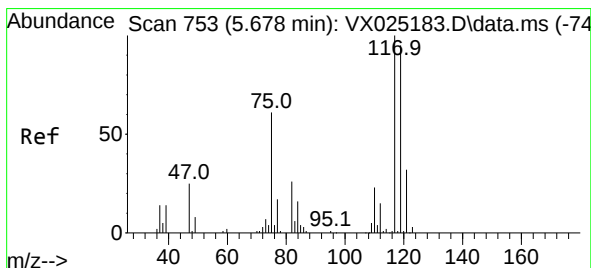
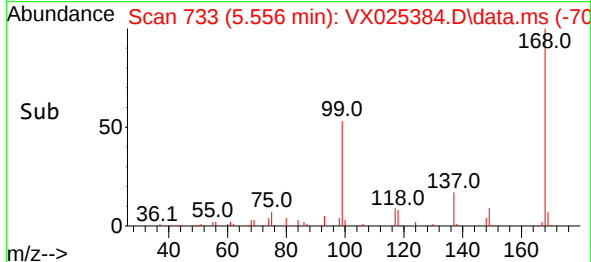
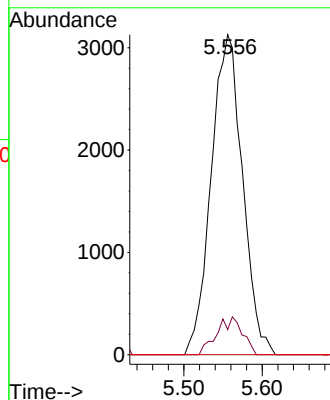
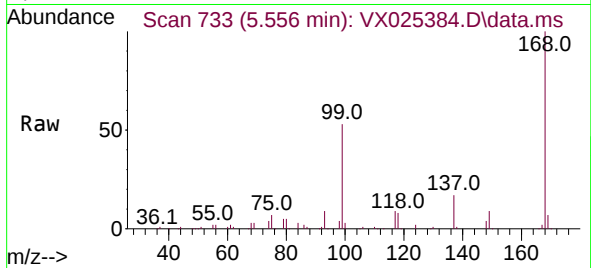




#36
1,1-Dichloropropene
Concen: 4.831 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

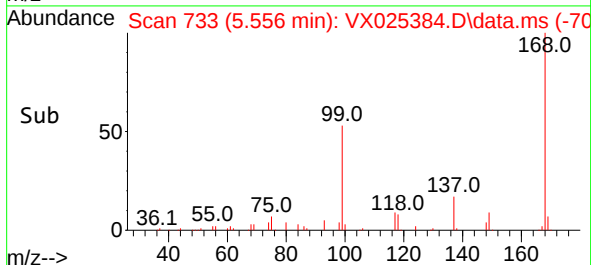
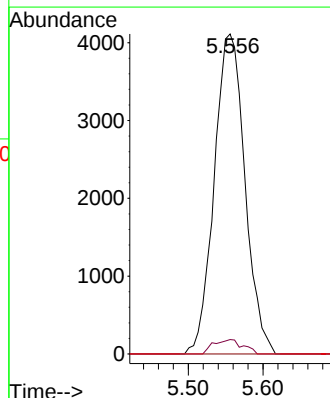
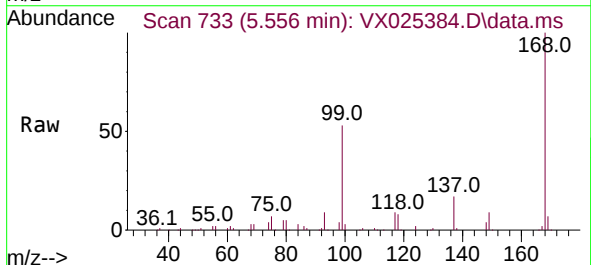
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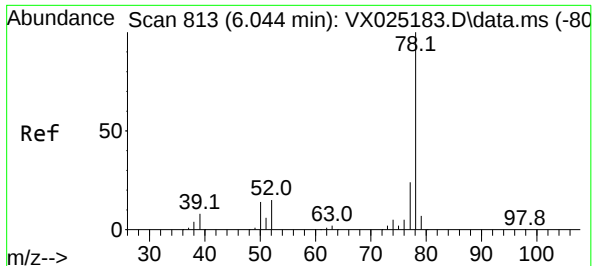
Tgt Ion: 75 Resp: 8690
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.930 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion: 117 Resp: 11750
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 23.7 35.5#





#40

Benzene

Concen: 0.248 ug/l

RT: 6.037 min Scan# 81

Delta R.T. -0.007 min

Lab File: VX025384.D

Acq: 29 Nov 2021 20:52

Instrument :

MSVOA_X

ClientSampleId :

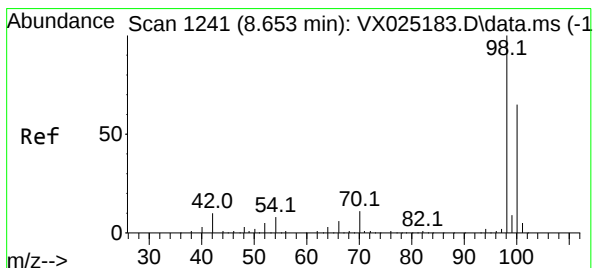
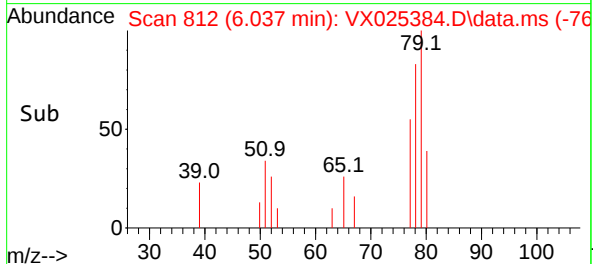
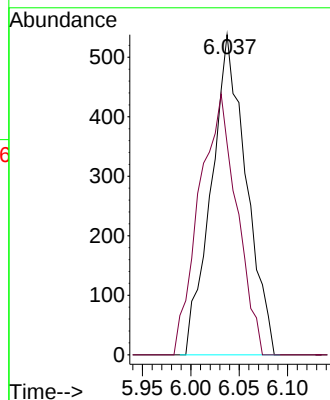
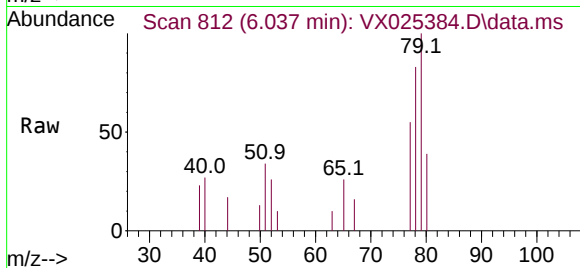
20930

Tgt Ion: 78 Resp: 1350

Ion Ratio Lower Upper

78 100

77 66.0 18.3 27.5#



#50

Toluene-d8

Concen: 49.719 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025384.D

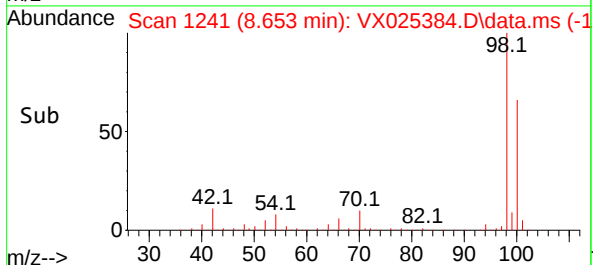
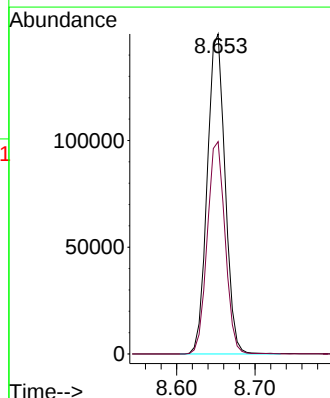
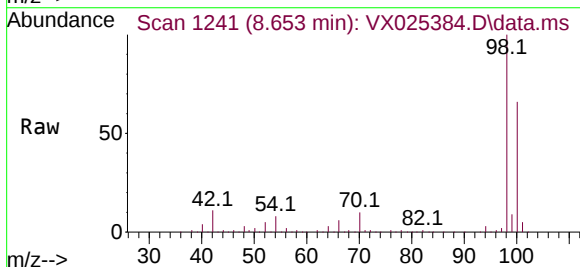
Acq: 29 Nov 2021 20:52

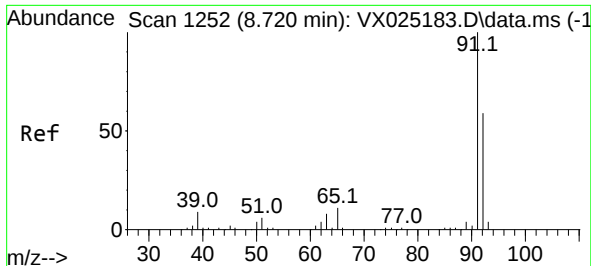
Tgt Ion: 98 Resp: 236491

Ion Ratio Lower Upper

98 100

100 66.4 51.4 77.0

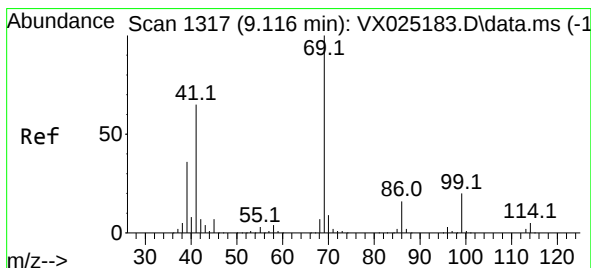
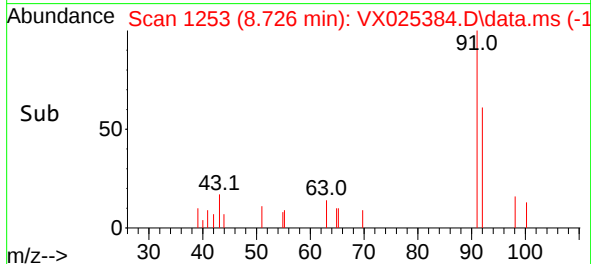
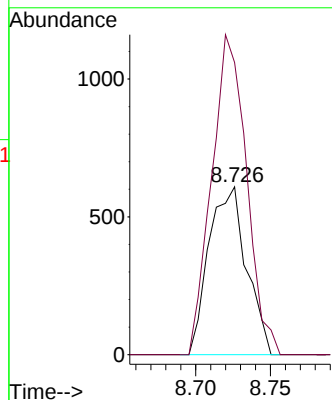
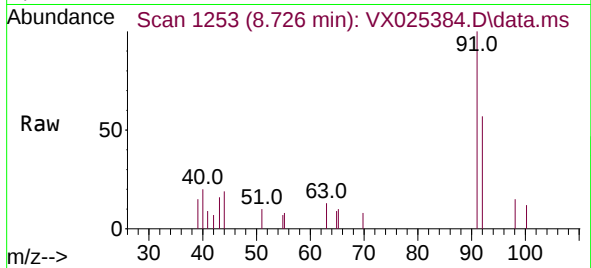




#52
Toluene
Concen: 0.299 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

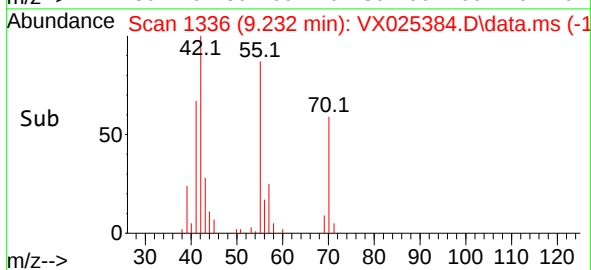
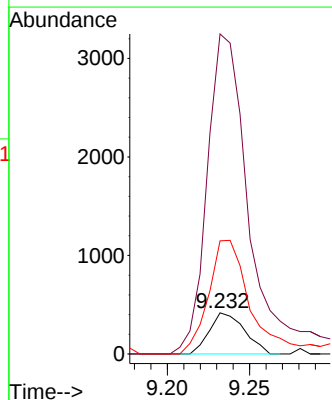
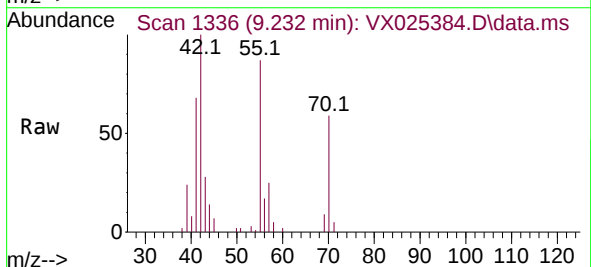
Instrument :
MSVOA_X
ClientSampleId :
20930

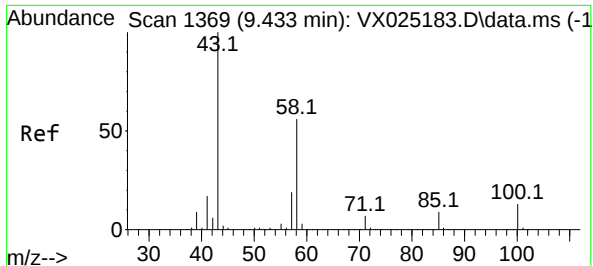
Tgt Ion: 92 Resp: 1065
Ion Ratio Lower Upper
92 100
91 176.6 138.6 208.0



#56
Ethyl methacrylate
Concen: 0.271 ug/l
RT: 9.232 min Scan# 1336
Delta R.T. 0.116 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion: 69 Resp: 621
Ion Ratio Lower Upper
69 100
41 966.2 55.3 82.9#
39 334.6 30.2 45.4#

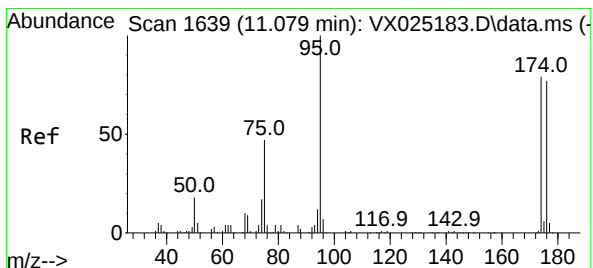
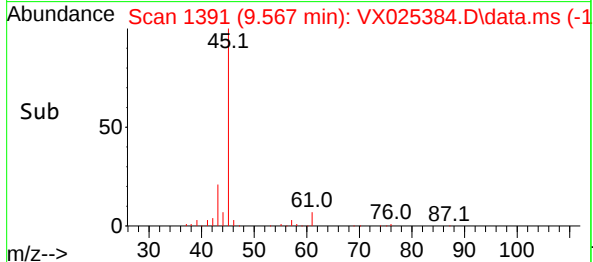
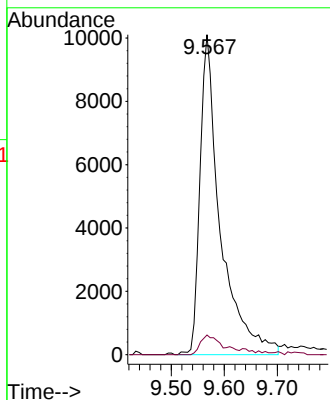
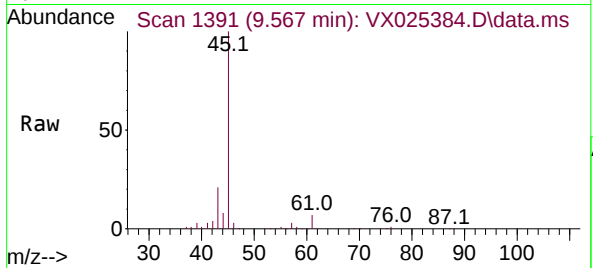




#59
2-Hexanone
Concen: 16.015 ug/l
RT: 9.567 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

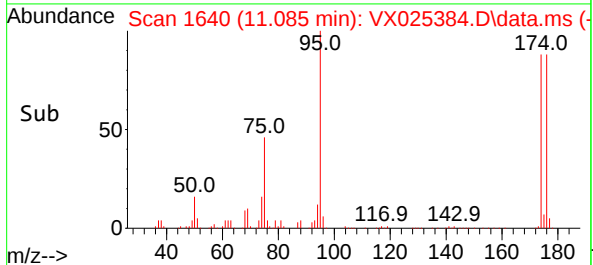
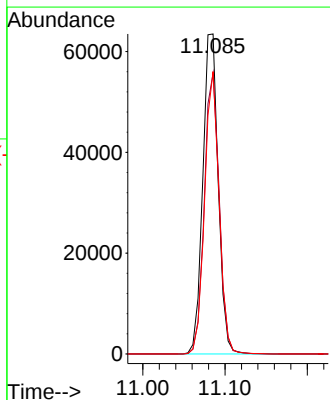
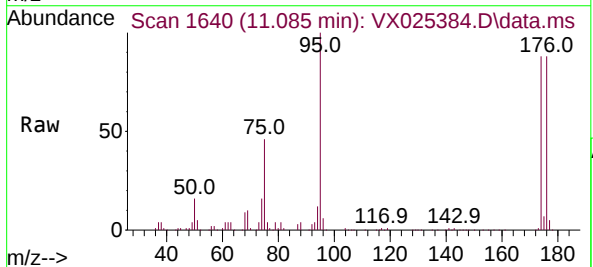
Instrument :
MSVOA_X
ClientSampleId :
20930

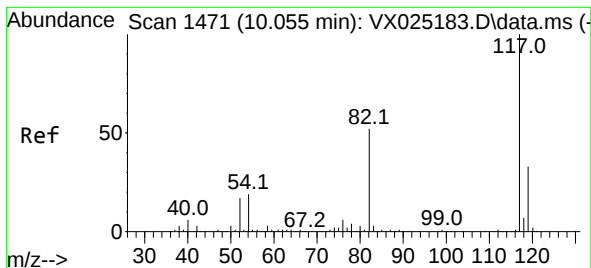
Tgt Ion: 43 Resp: 26967
Ion Ratio Lower Upper
43 100
58 6.6 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.105 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion: 95 Resp: 82965
Ion Ratio Lower Upper
95 100
174 84.6 0.0 158.0
176 82.7 0.0 153.6

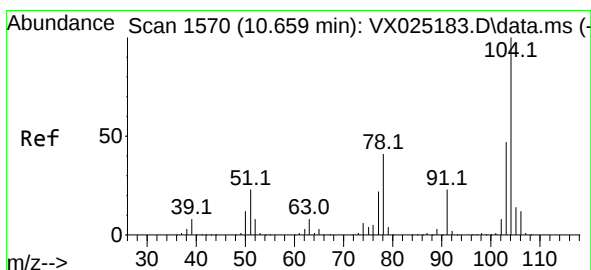
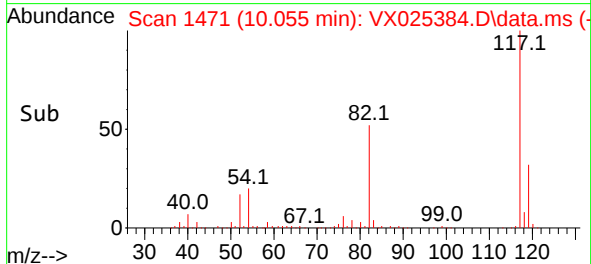
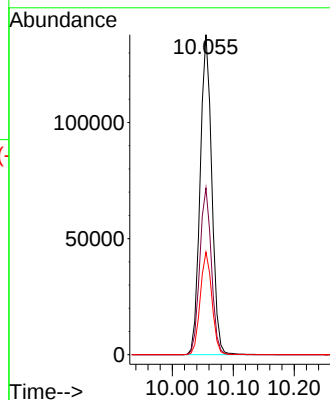
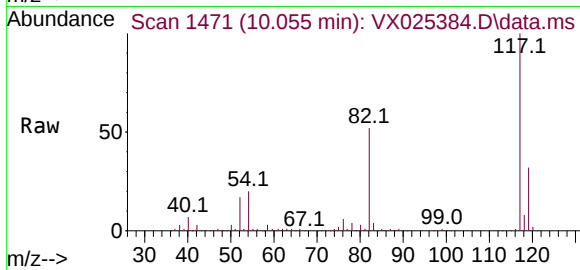




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

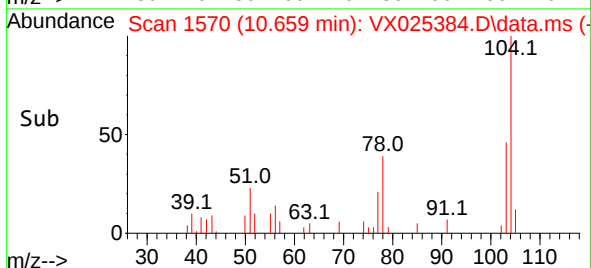
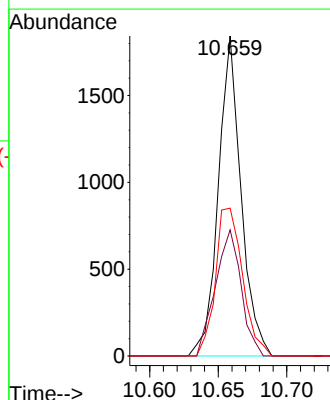
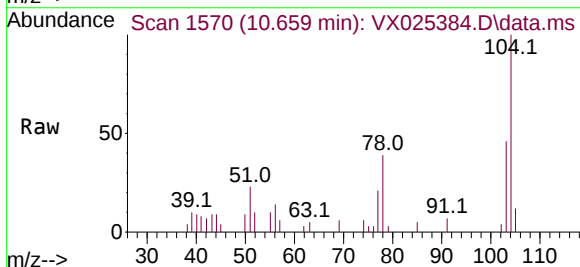
Instrument :
MSVOA_X
ClientSampleId :
20930

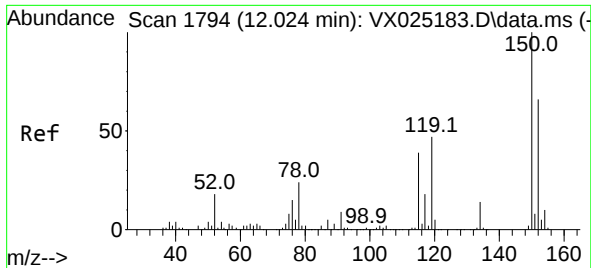
Tgt Ion:117 Resp: 183242
Ion Ratio Lower Upper
117 100
82 52.1 44.6 67.0
119 32.1 24.8 37.2



#70
Styrene
Concen: 0.499 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Tgt Ion:104 Resp: 2125
Ion Ratio Lower Upper
104 100
78 44.7 41.3 61.9
103 55.2 43.5 65.3

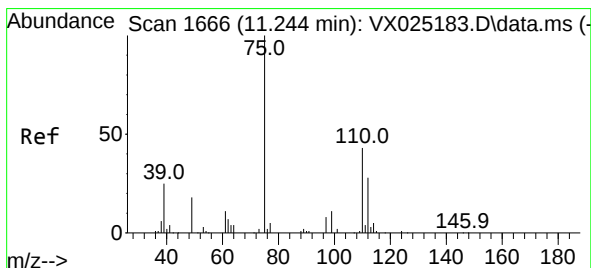
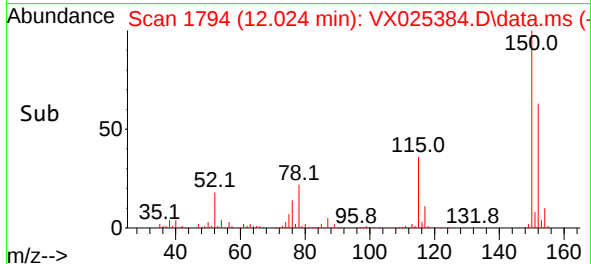
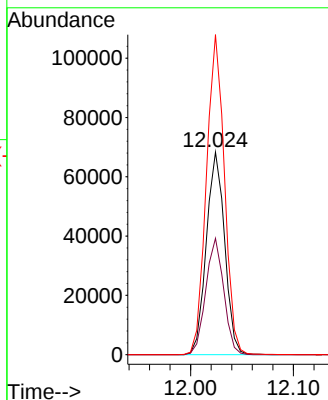
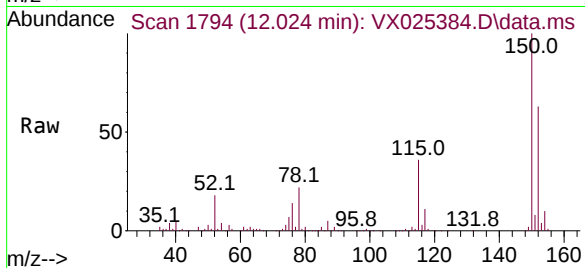




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025384.D
 Acq: 29 Nov 2021 20:52

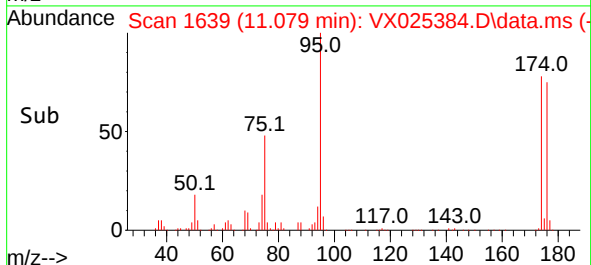
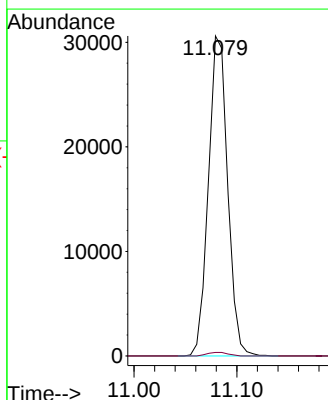
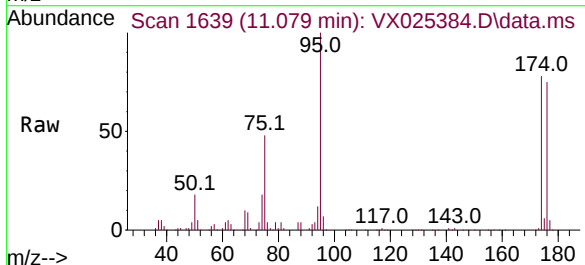
Instrument :
 MSVOA_X
 ClientSampleId :
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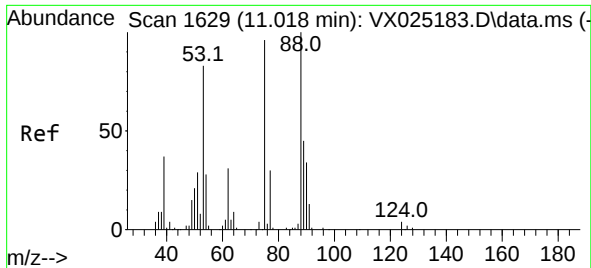
Tgt Ion:152 Resp: 84682
 Ion Ratio Lower Upper
 152 100
 115 56.3 43.3 129.8
 150 155.5 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 22.930 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025384.D
 Acq: 29 Nov 2021 20:52

Tgt Ion: 75 Resp: 39763
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.0 59.9#

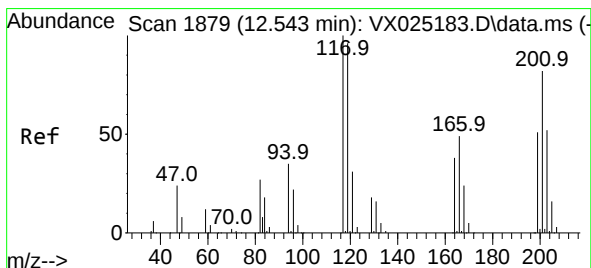
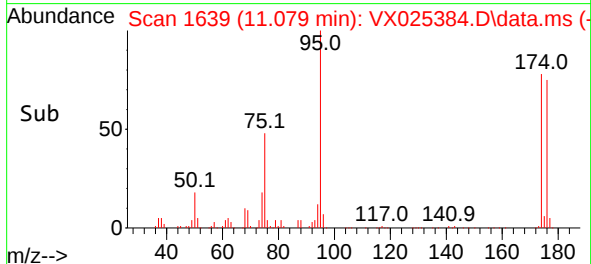
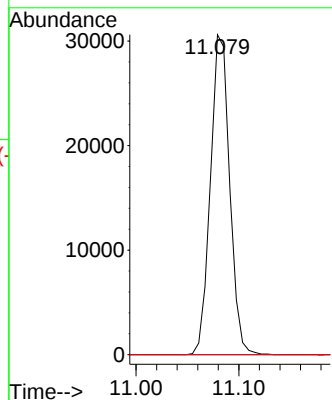
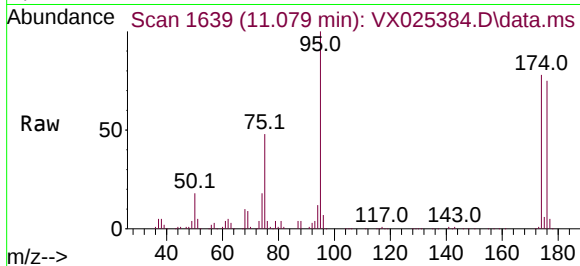




#81
trans-1,4-Dichloro-2-butene
Concen: 57.764 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

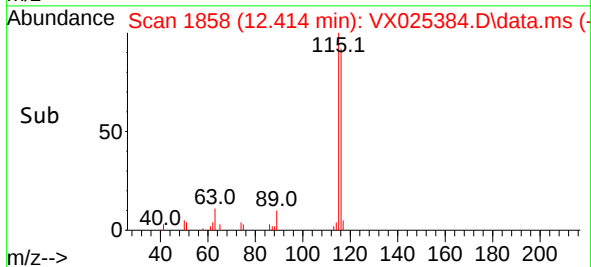
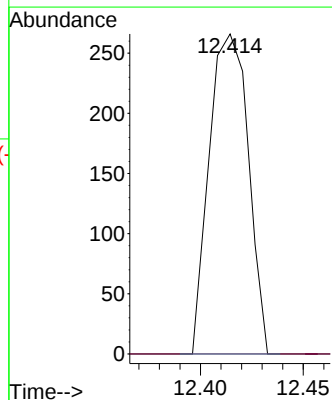
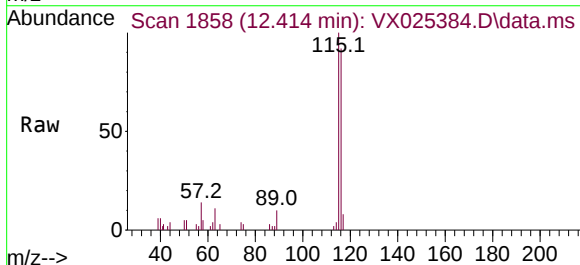
Instrument :
MSVOA_X
ClientSampleId :
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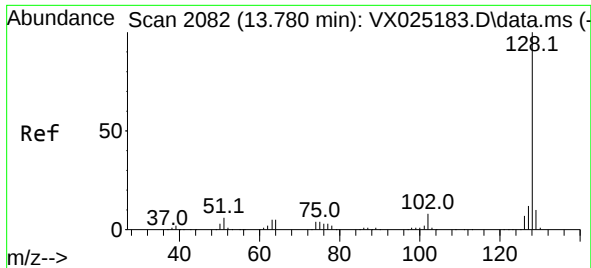
Tgt Ion: 75 Resp: 39763
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#90
Hexachloroethane
Concen: 0.355 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.129 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

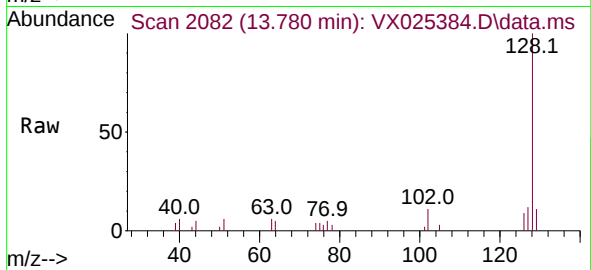
Tgt Ion: 117 Resp: 352
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#





#95
Naphthalene
Concen: 0.210 ug/l
RT: 13.780 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025384.D
Acq: 29 Nov 2021 20:52

Instrument :
MSVOA_X
ClientSampleId :
20930



Tgt Ion:128 Resp: 3336
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.2 8.8 13.2

