

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025363.D
 Acq On : 29 Nov 2021 12:41
 Operator : JC/MD
 Sample : M4837-06 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20926

Quant Time: Nov 30 04:00:36 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)

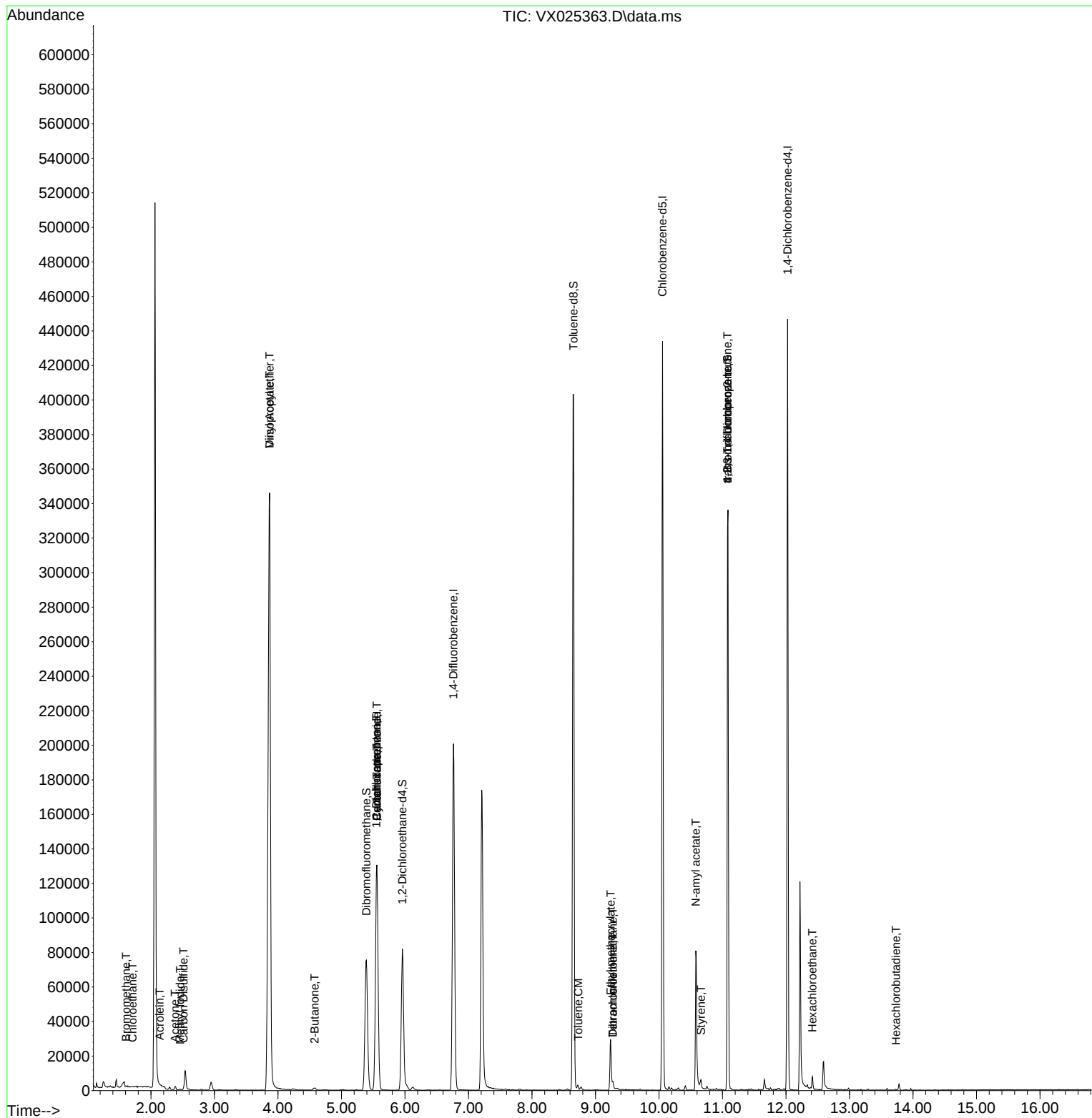
Internal Standards						
1) Pentafluorobenzene	5.556	168	134278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73086	51.637	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.280%			
35) Dibromofluoromethane	5.391	113	64702	48.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.680%			
50) Toluene-d8	8.653	98	250835	50.354	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.700%			
62) 4-Bromofluorobenzene	11.079	95	89459	47.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.940%			
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	184	0.270	ug/l #	79
6) Chloroethane	1.709	64	284	0.260	ug/l #	43
10) Methyl Iodide	2.459	142	538	0.344	ug/l #	80
11) Tert butyl alcohol	2.947	59	2807	Below Cal	#	72
13) Acrolein	2.136	56	45	0.694	ug/l #	1
16) Acetone	2.380	43	2155	2.740	ug/l	97
17) Carbon Disulfide	2.514	76	870	0.248	ug/l #	76
22) Diisopropyl ether	3.867	45	23624	5.507	ug/l #	1
23) Vinyl Acetate	3.867	43	57427	16.667	ug/l #	72
25) 2-Butanone	4.574	43	714	0.628	ug/l #	48
31) Cyclohexane	5.556	56	2455	1.122	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	8840	4.692	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12603	6.074	ug/l #	16
52) Toluene	8.726	92	939	0.252	ug/l	87
56) Ethyl methacrylate	9.238	69	721	0.300	ug/l #	1
60) Dibromochloromethane	9.275	129	509	0.299	ug/l #	11
64) Tetrachloroethene	9.275	164	548	0.340	ug/l	87
70) Styrene	10.659	104	1872	0.412	ug/l #	89
74) N-amyl acetate	10.579	43	17467	6.186	ug/l #	23
76) 1,2,3-Trichloropropane	11.079	75	42490	22.653	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42490	57.066	ug/l #	9
90) Hexachloroethane	12.415	117	263	0.245	ug/l #	11
94) Hexachlorobutadiene	13.731	225	193	0.224	ug/l	80

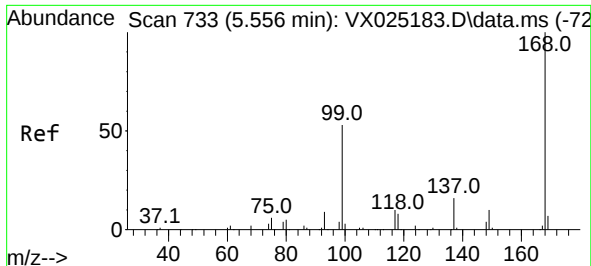
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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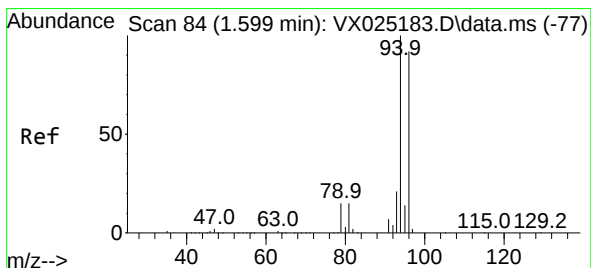
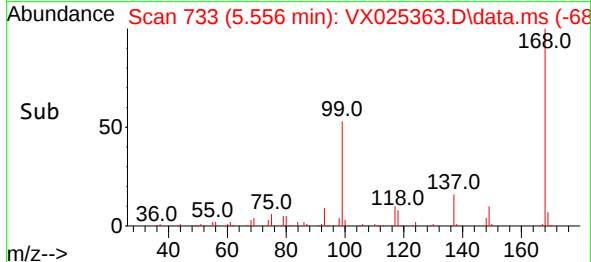
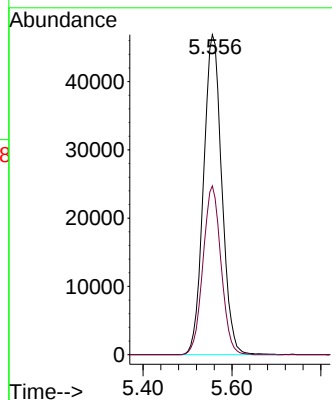
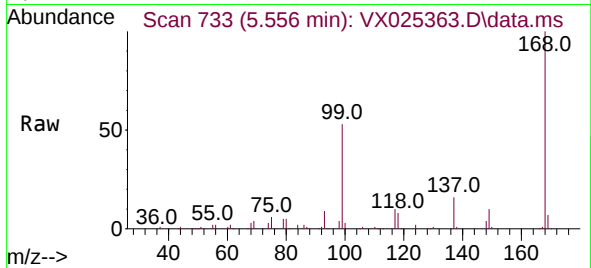




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

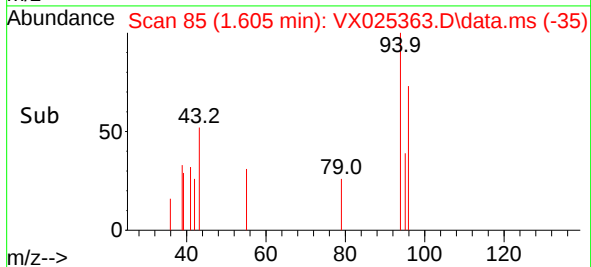
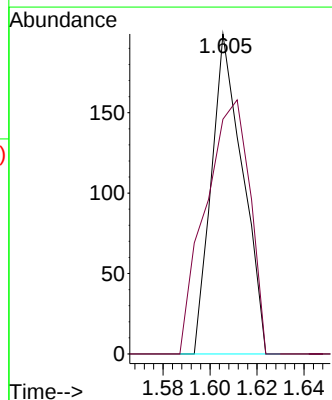
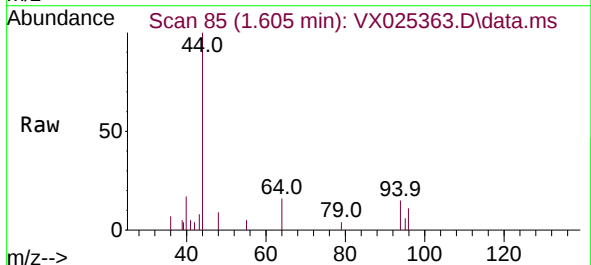
Instrument :
MSVOA_X
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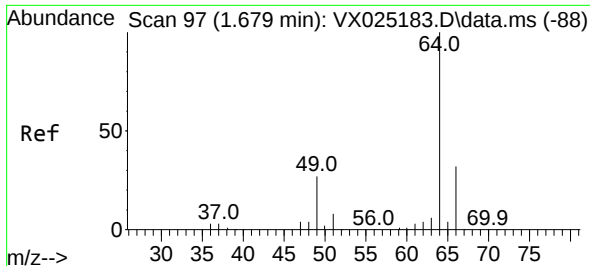
Tgt Ion:168 Resp: 134278
Ion Ratio Lower Upper
168 100
99 52.8 46.4 69.6



#5
Bromomethane
Concen: 0.270 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 94 Resp: 184
Ion Ratio Lower Upper
94 100
96 73.4 74.8 112.2#

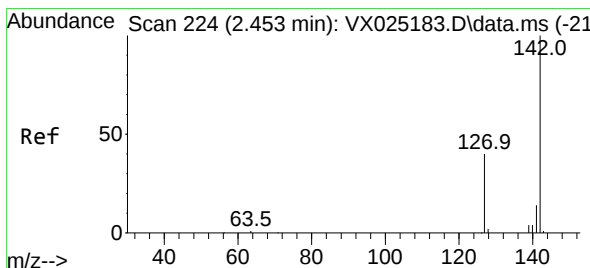
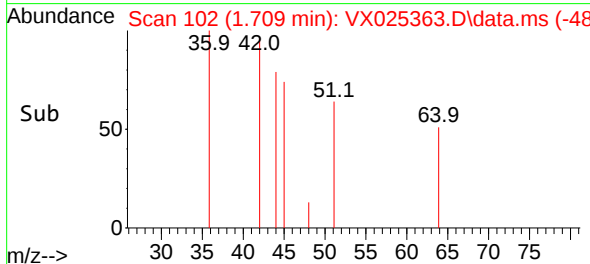
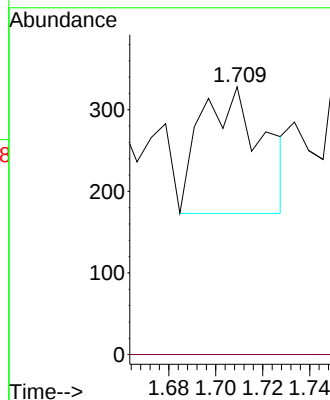
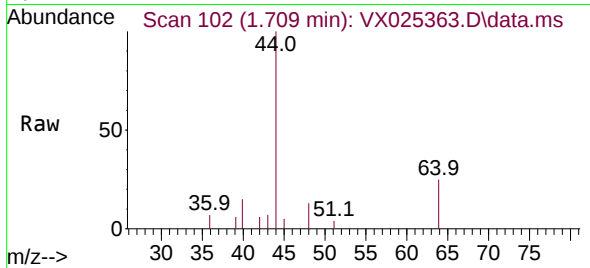




#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.709 min Scan# 10
Delta R.T. 0.030 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

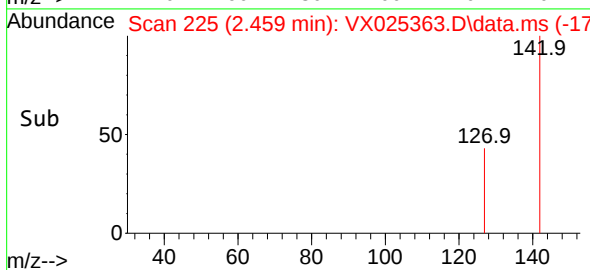
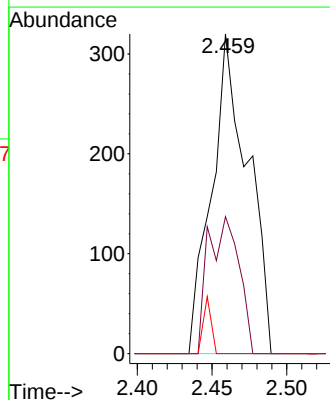
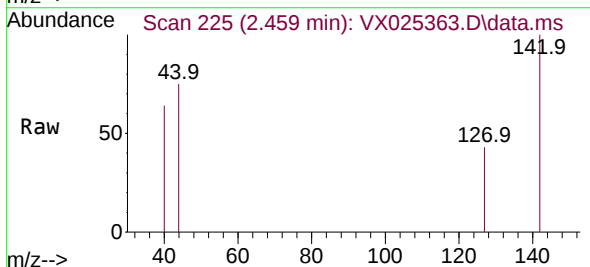
Instrument :
MSVOA_X
ClientSampleId :
20926

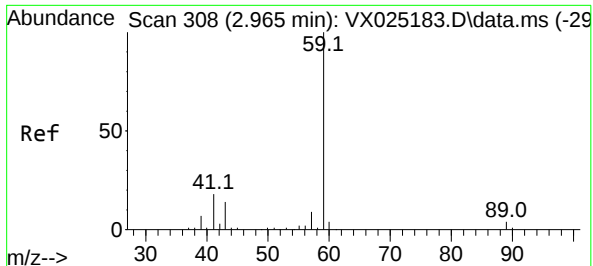
Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#10
Methyl Iodide
Concen: 0.344 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 142 Resp: 538
Ion Ratio Lower Upper
142 100
127 36.4 38.9 58.3#
141 3.9 11.7 17.5#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX025363.D

Acq: 29 Nov 2021 12:41

Instrument :

MSVOA_X

ClientSampleId :

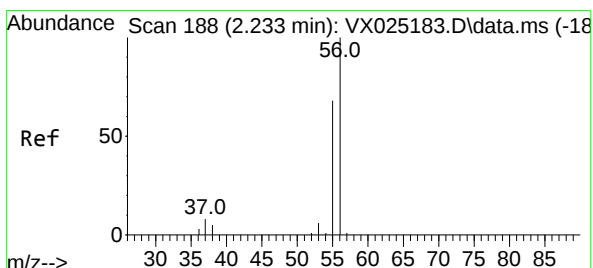
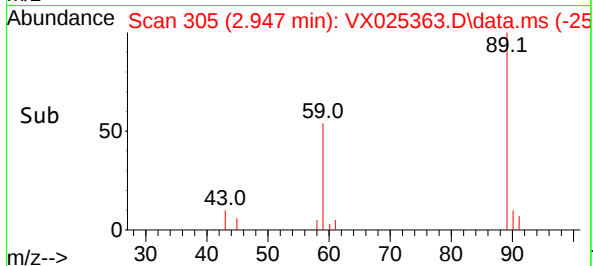
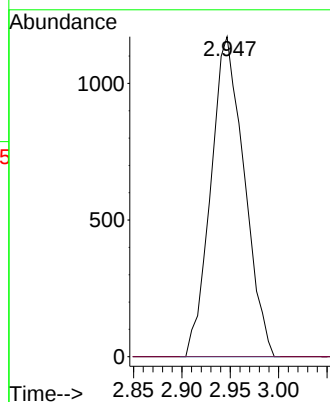
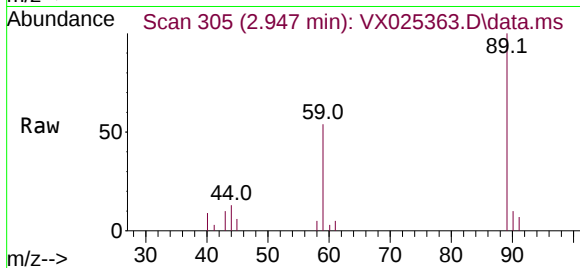
20926

Tgt Ion: 59 Resp: 2807

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.694 ug/l

RT: 2.136 min Scan# 172

Delta R.T. -0.097 min

Lab File: VX025363.D

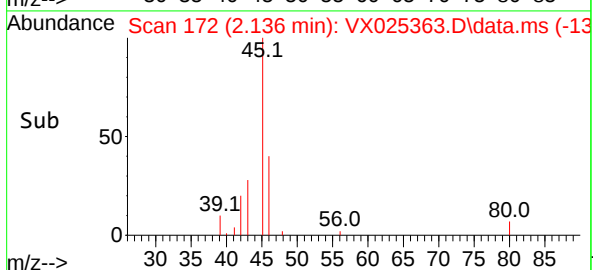
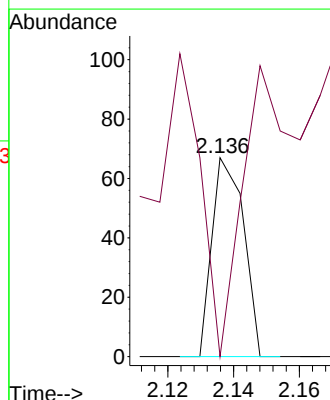
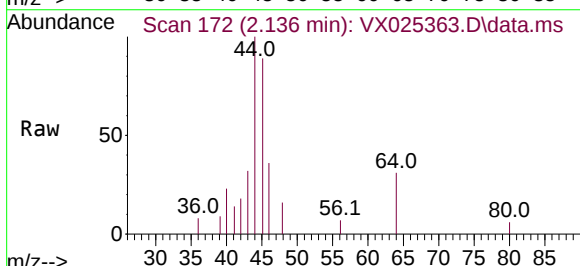
Acq: 29 Nov 2021 12:41

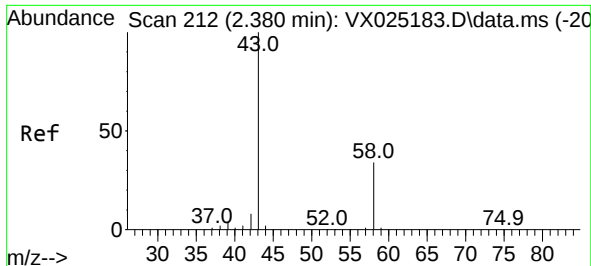
Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 224.4 58.6 87.8#

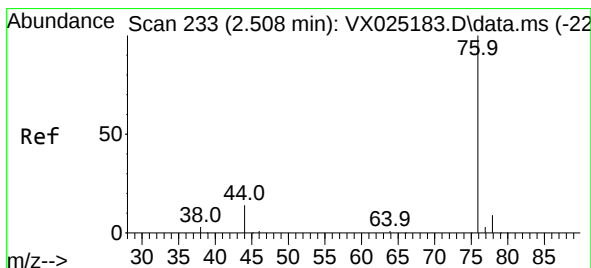
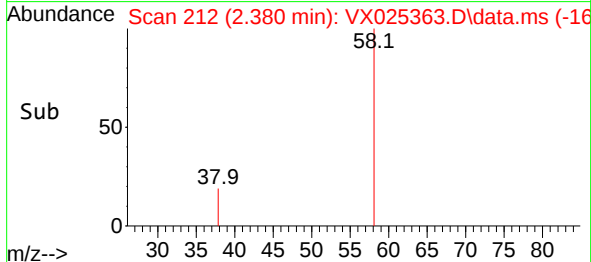
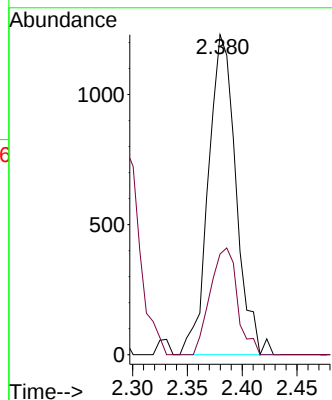
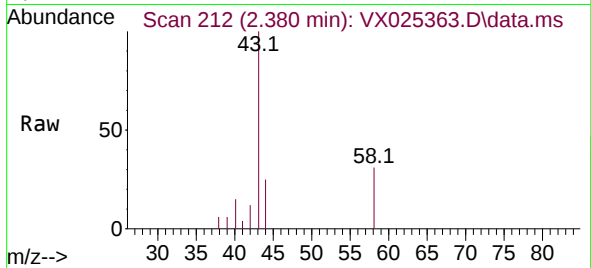




#16
Acetone
Concen: 2.740 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

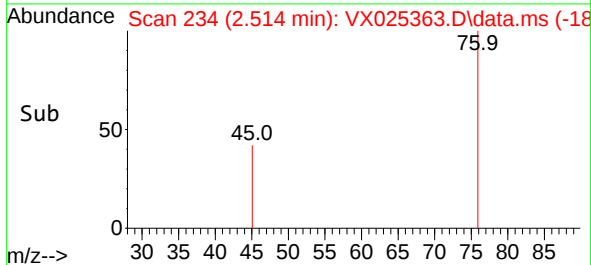
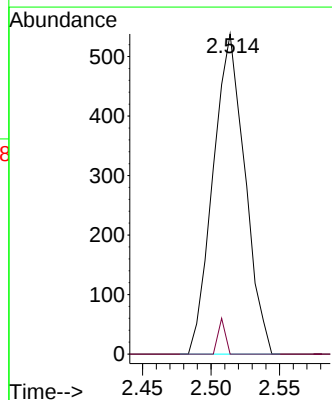
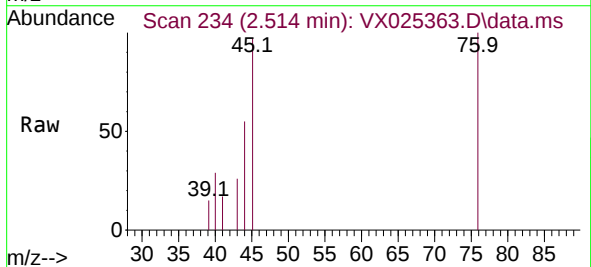
Instrument :
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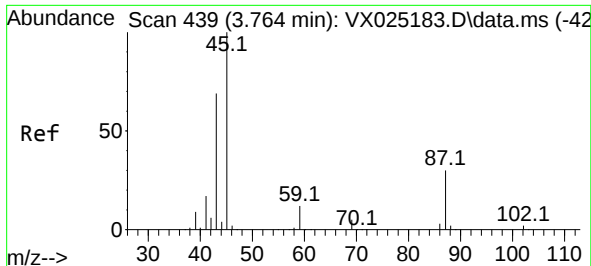
Tgt Ion: 43 Resp: 2155
Ion Ratio Lower Upper
43 100
58 31.5 24.0 36.0



#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 76 Resp: 870
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

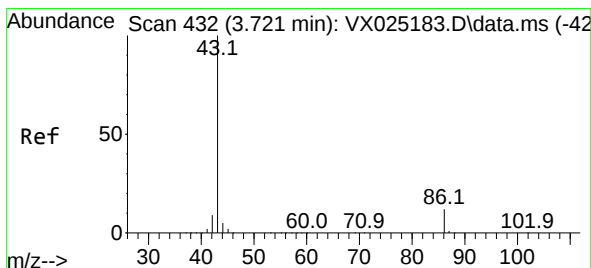
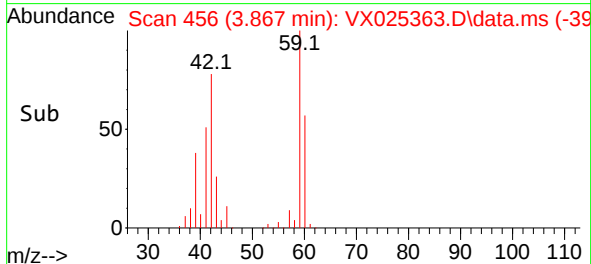
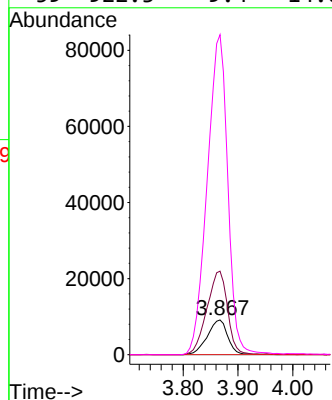
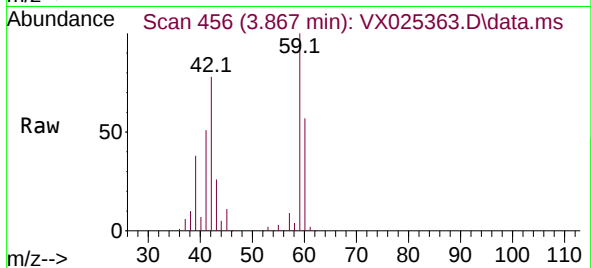




#22
Diisopropyl ether
Concen: 5.507 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.103 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

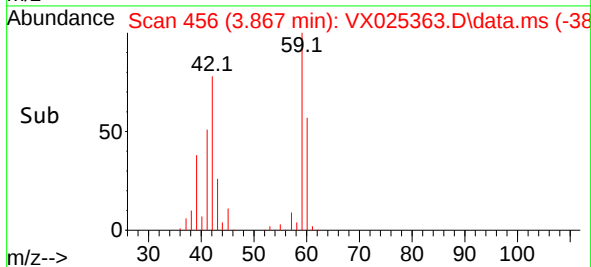
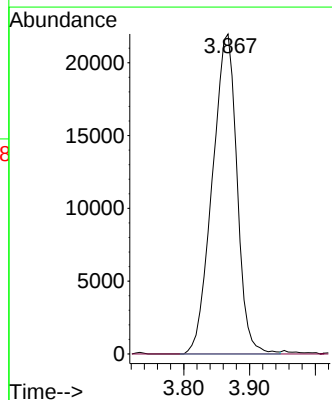
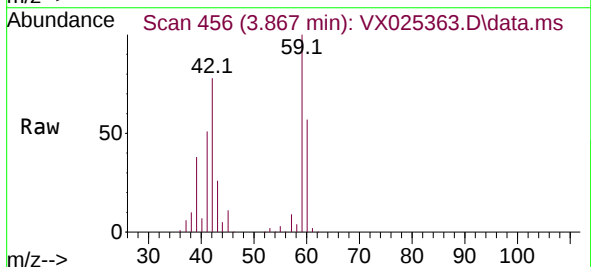
Instrument :
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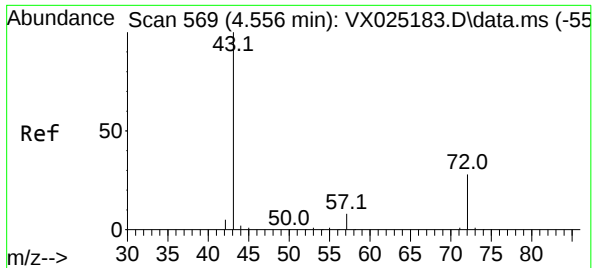
Tgt Ion: 45	Resp: 23624
Ion Ratio	Lower Upper
45 100	
43 241.0	58.3 87.5#
87 0.0	23.7 35.5#
59 922.3	9.4 14.0#



#23
Vinyl Acetate
Concen: 16.667 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.146 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 43	Resp: 57427
Ion Ratio	Lower Upper
43 100	
86 0.0	8.2 12.4#

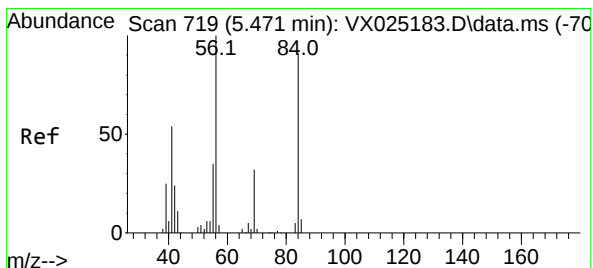
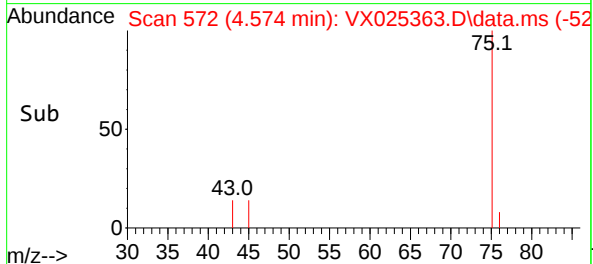
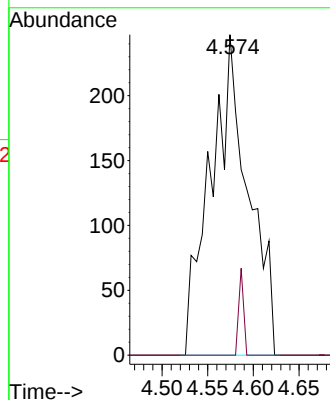
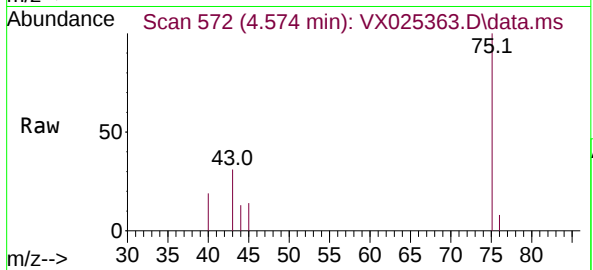




#25
2-Butanone
Concen: 0.628 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

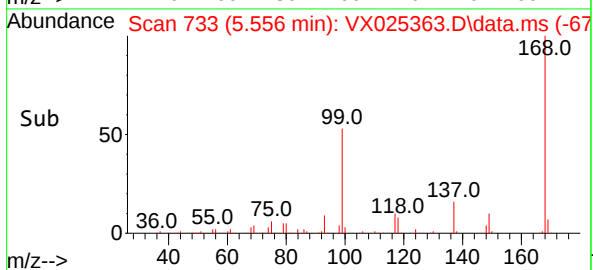
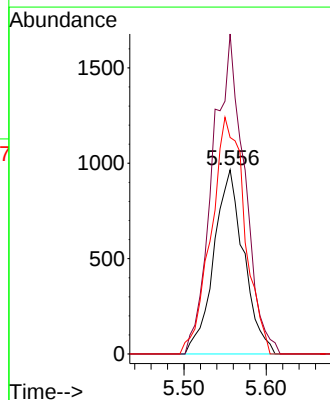
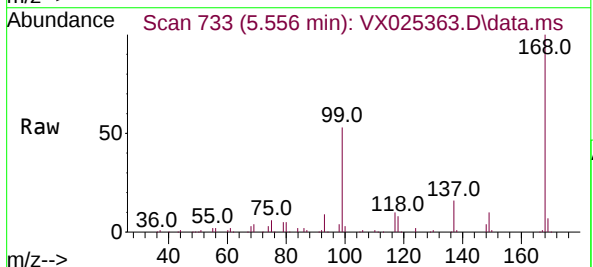
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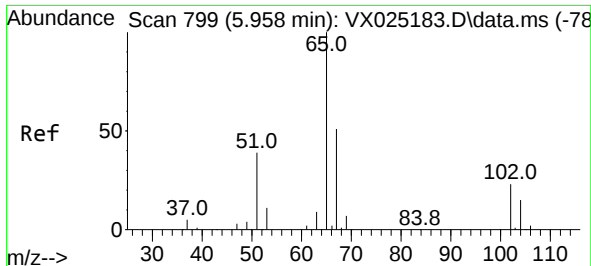
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 56 Resp: 2455
Ion Ratio Lower Upper
56 100
69 173.7 24.2 36.2#
84 117.5 71.5 107.3#

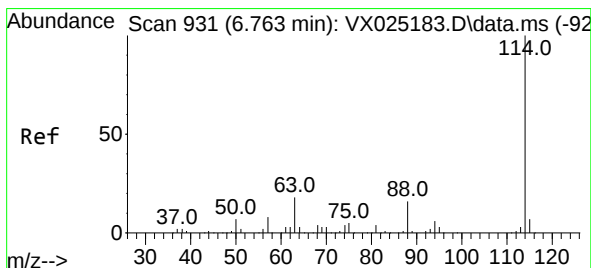
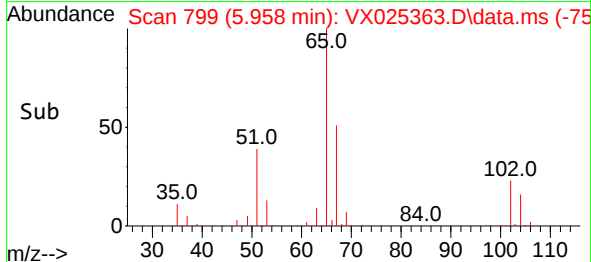
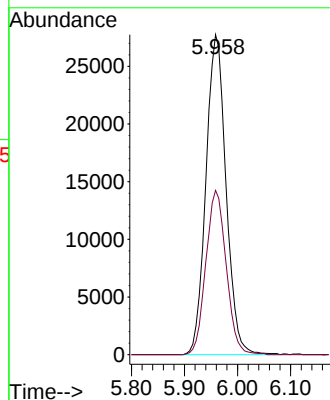
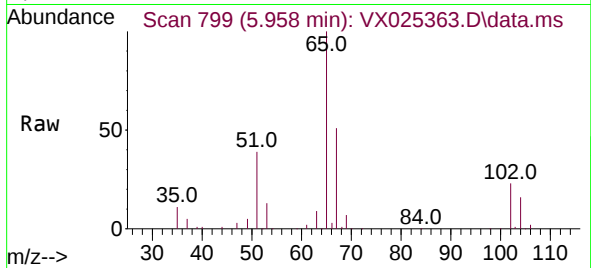




#33
 1,2-Dichloroethane-d4
 Concen: 51.637 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX025363.D
 Acq: 29 Nov 2021 12:41

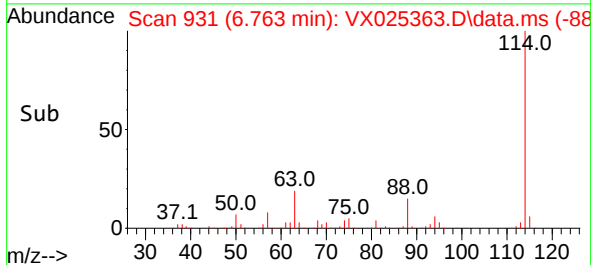
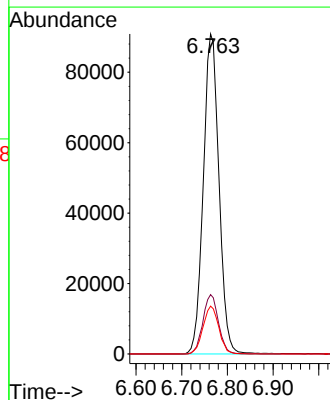
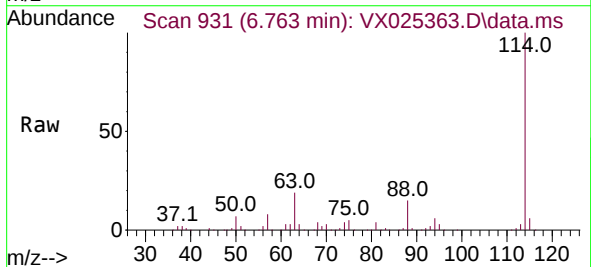
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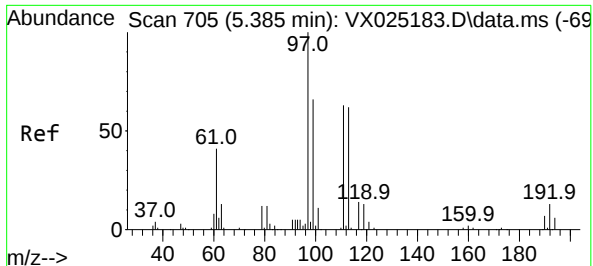
Tgt Ion: 65 Resp: 73086
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX025363.D
 Acq: 29 Nov 2021 12:41

Tgt Ion: 114 Resp: 215932
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 41.0
 88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 48.836 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025363.D

Acq: 29 Nov 2021 12:41

Instrument :

MSVOA_X

ClientSampleId :

20926

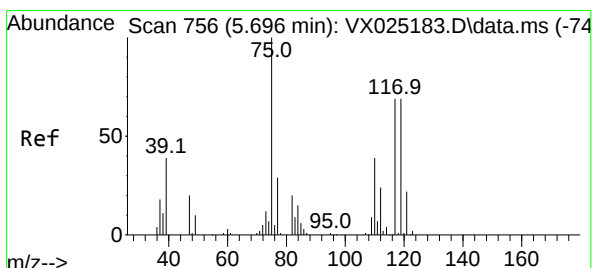
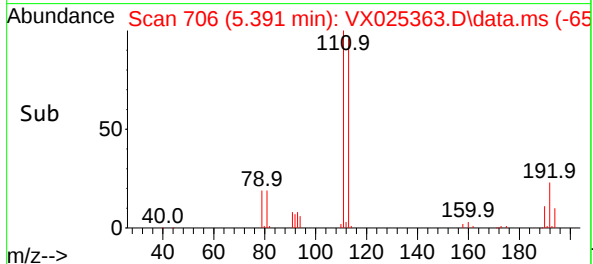
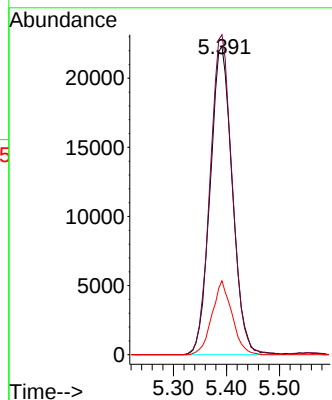
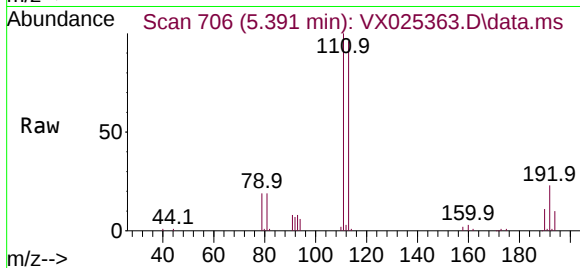
Tgt Ion:113 Resp: 64702

Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

192 21.6 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.692 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX025363.D

Acq: 29 Nov 2021 12:41

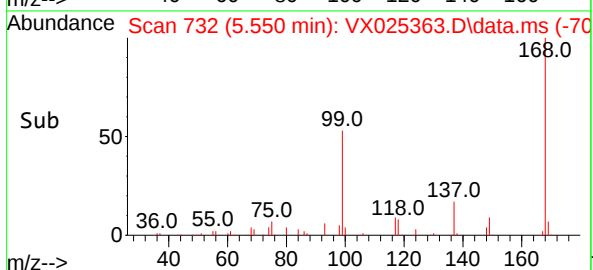
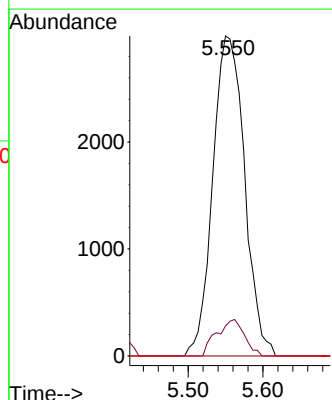
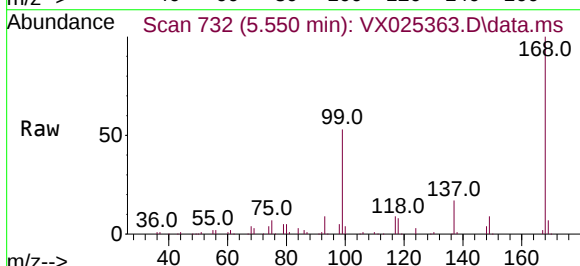
Tgt Ion: 75 Resp: 8840

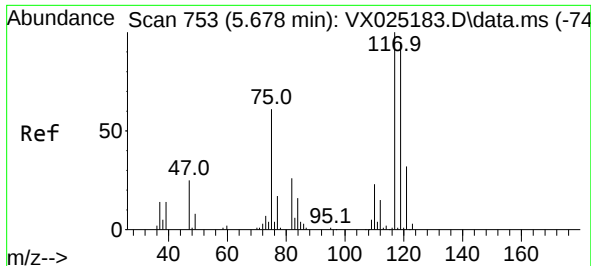
Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.3#

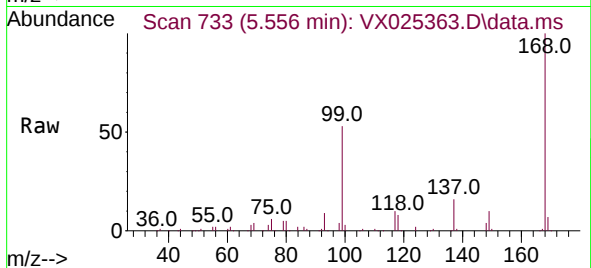
77 0.0 24.4 36.6#



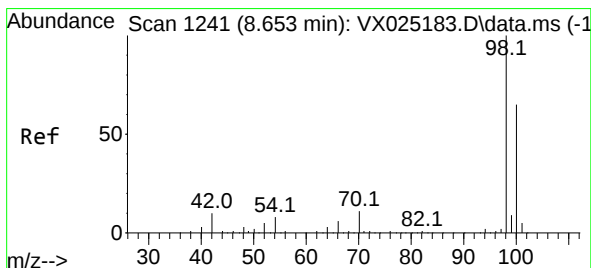
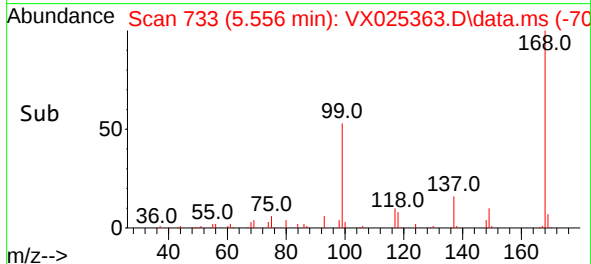
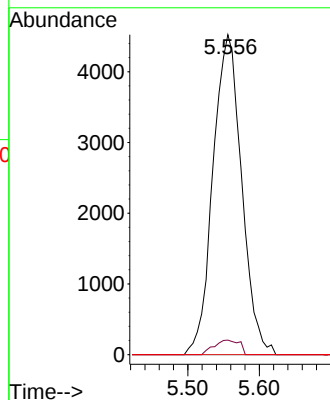


#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Instrument :
MSVOA_X
ClientSampleId :
20926

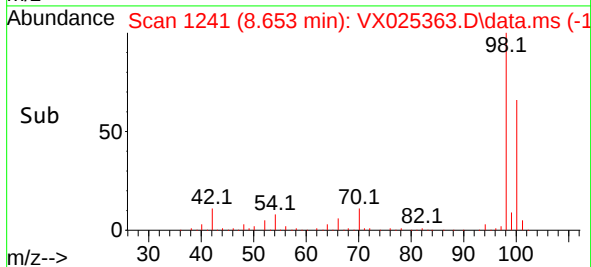
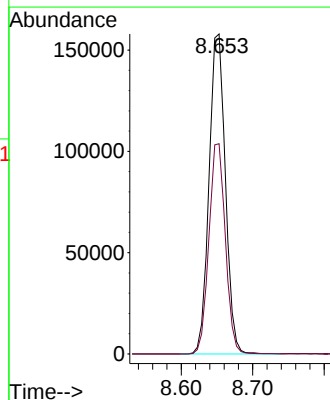
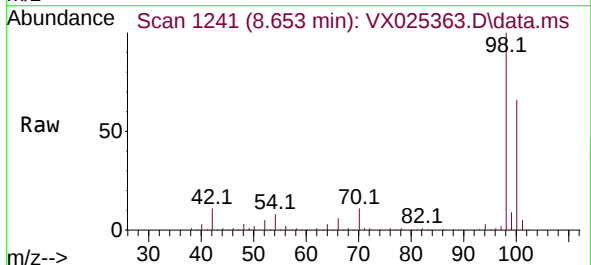


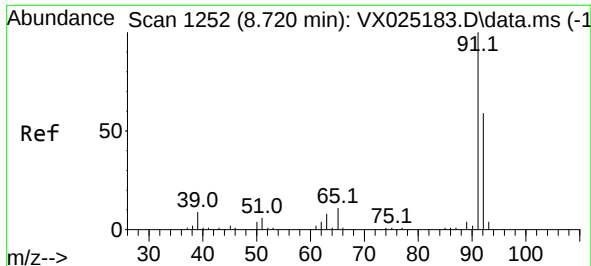
Tgt Ion:117 Resp: 12603
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 50.354 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 98 Resp: 250835
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.0

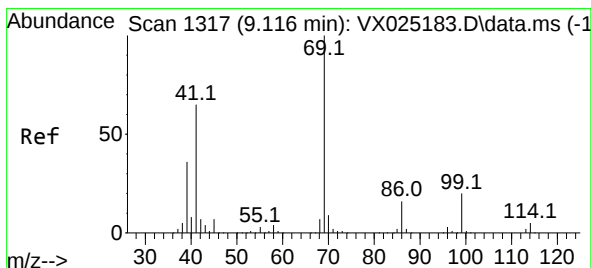
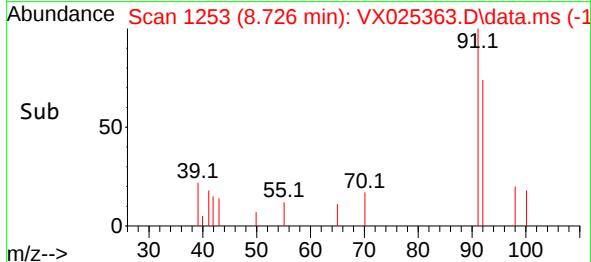
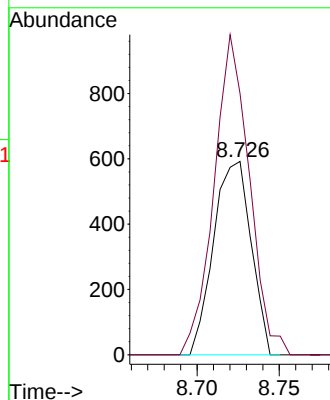
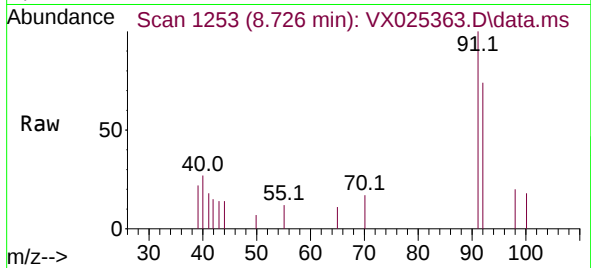




#52
Toluene
Concen: 0.252 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

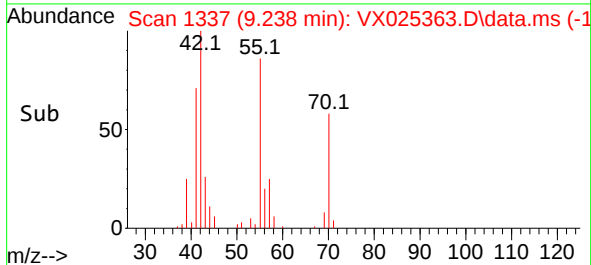
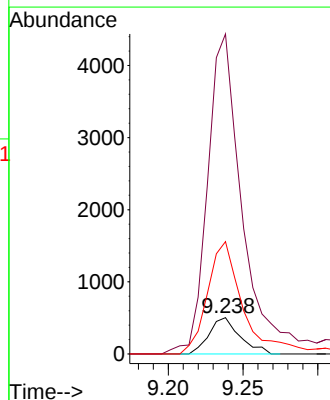
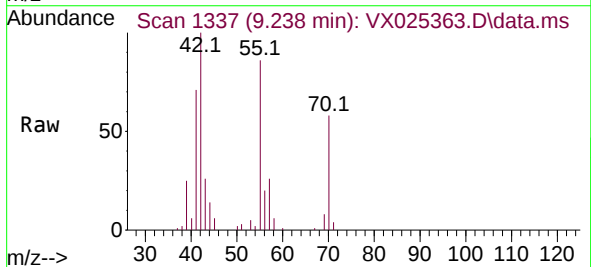
Instrument :
MSVOA_X
ClientSampleId :
20926

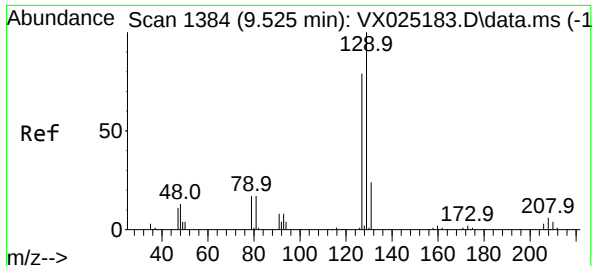
Tgt Ion: 92 Resp: 939
Ion Ratio Lower Upper
92 100
91 155.6 138.6 208.0



#56
Ethyl methacrylate
Concen: 0.300 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 69 Resp: 721
Ion Ratio Lower Upper
69 100
41 1000.3 55.3 82.9#
39 358.3 30.2 45.4#

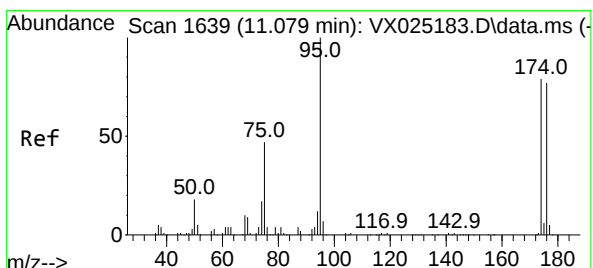
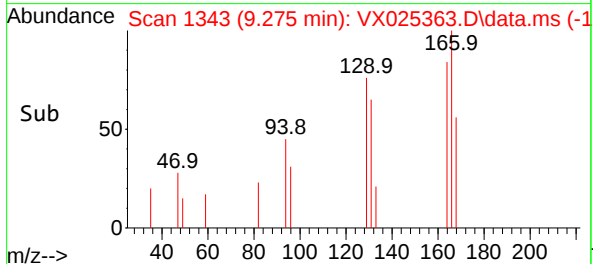
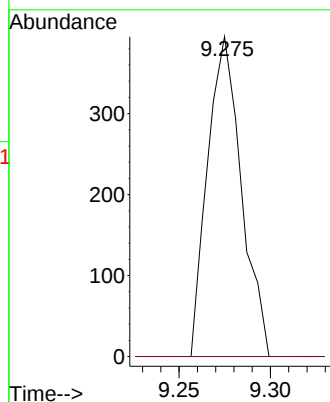
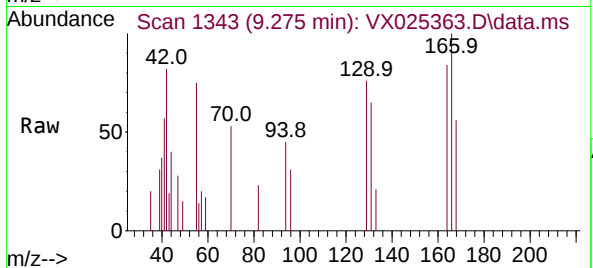




#60
Dibromochloromethane
Concen: 0.299 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

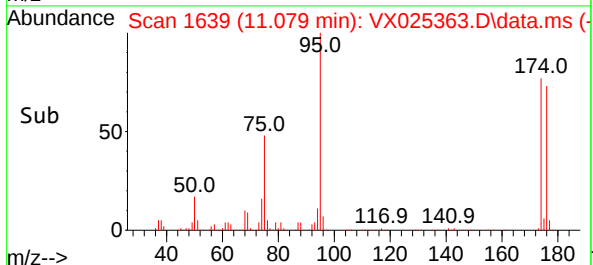
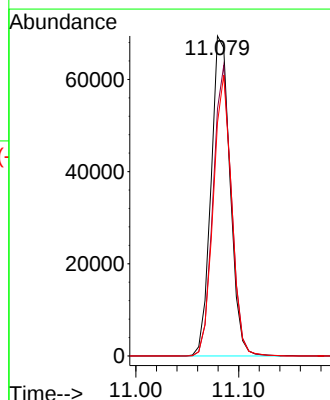
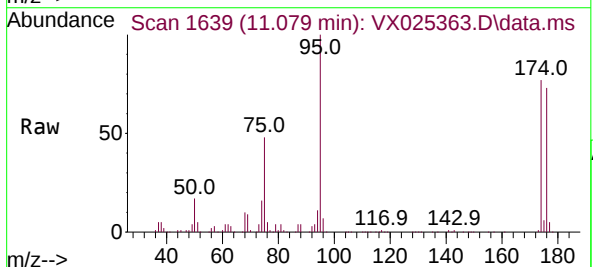
Instrument :
MSVOA_X
ClientSampleId :
20926

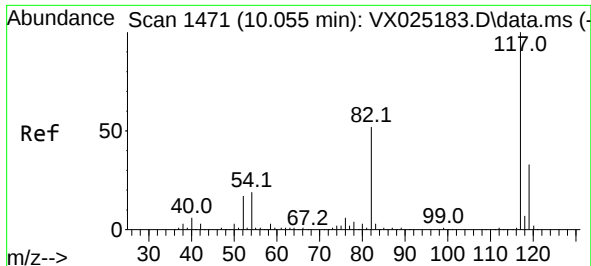
Tgt Ion:129 Resp: 509
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.471 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion: 95 Resp: 89459
Ion Ratio Lower Upper
95 100
174 87.2 0.0 158.0
176 84.3 0.0 153.6

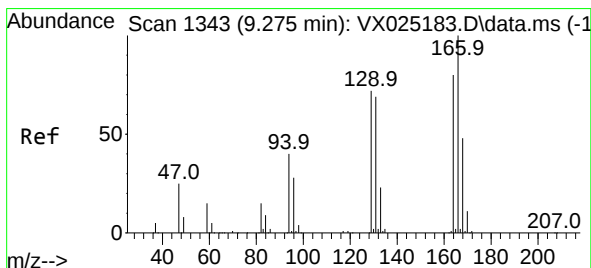
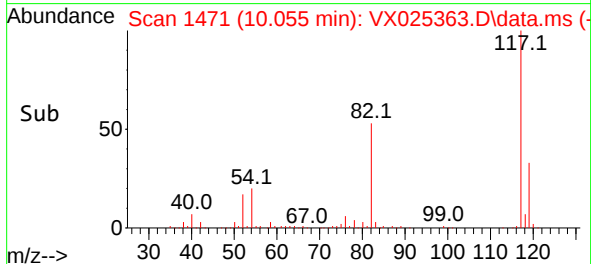
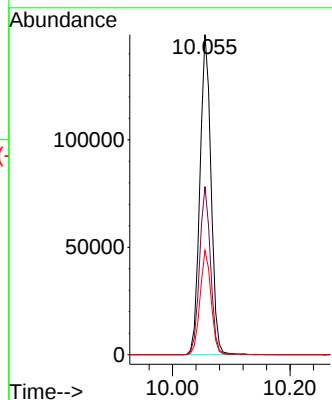
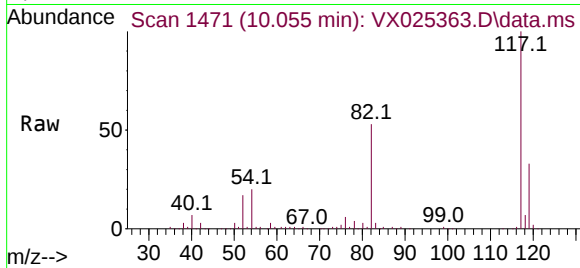




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

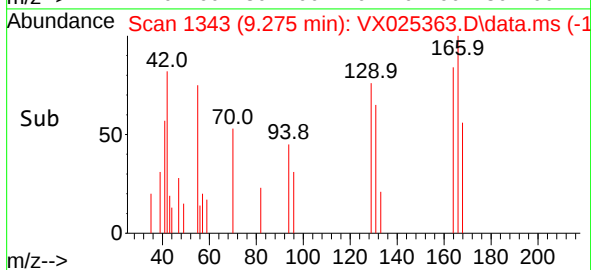
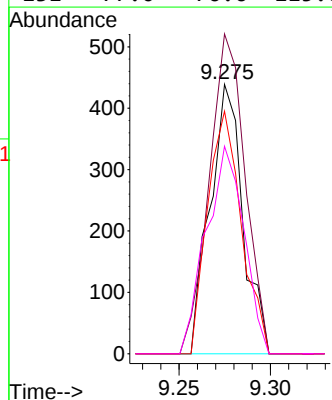
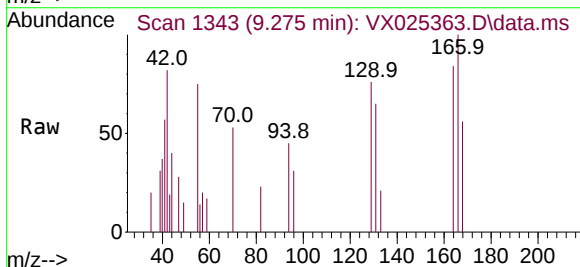
Instrument :
MSVOA_X
ClientSampleId :
20926

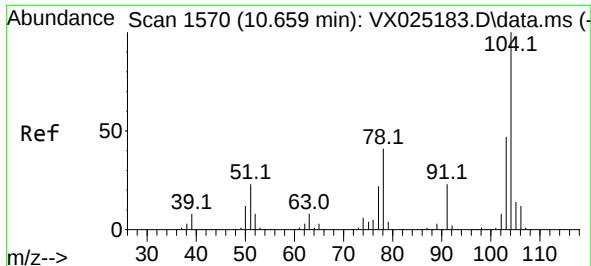
Tgt Ion:117 Resp: 195408
Ion Ratio Lower Upper
117 100
82 52.5 44.6 67.0
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 0.340 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion:164 Resp: 548
Ion Ratio Lower Upper
164 100
166 118.7 103.2 154.8
129 90.0 81.0 121.4
131 77.0 76.6 115.0

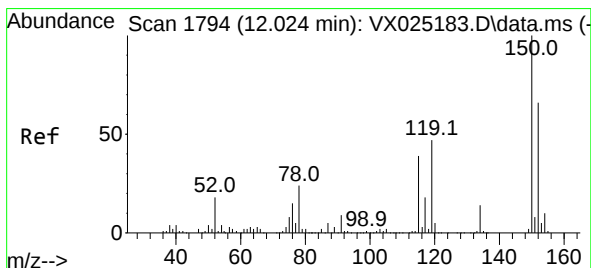
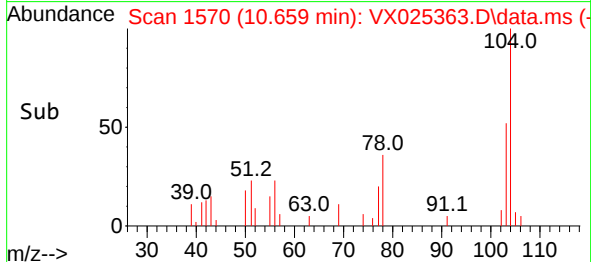
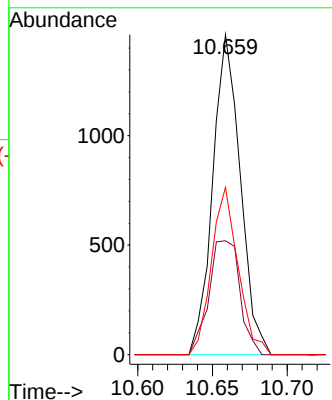
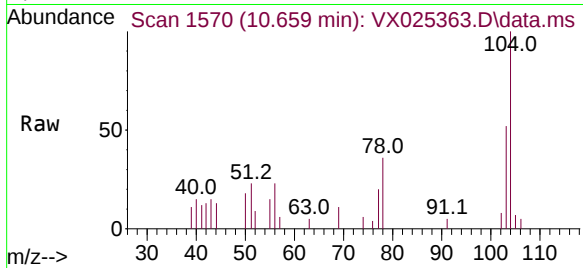




#70
Styrene
Concen: 0.412 ug/l
RT: 10.659 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

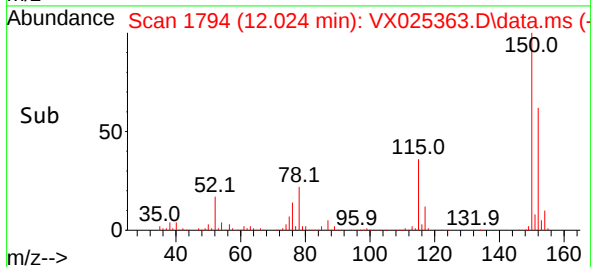
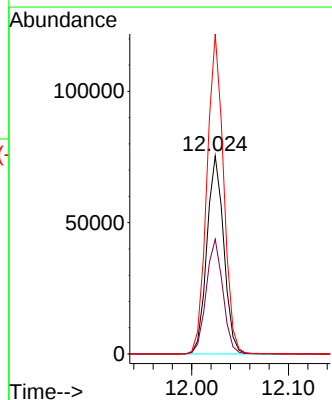
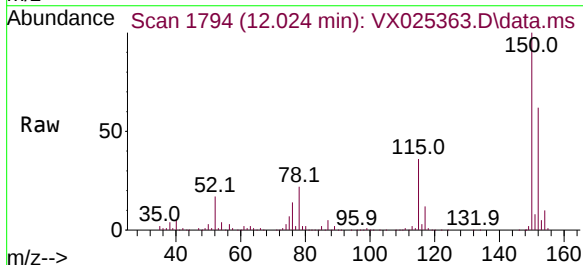
Instrument :
MSVOA_X
ClientSampleId :
20926

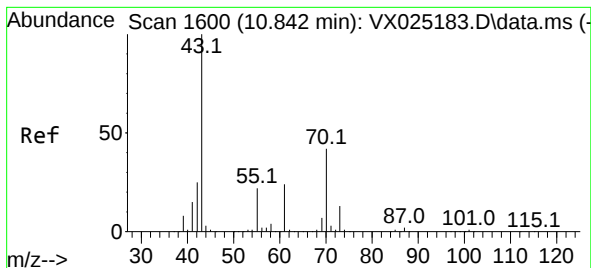
Tgt Ion:104 Resp: 1872
Ion Ratio Lower Upper
104 100
78 40.2 41.3 61.9#
103 50.5 43.5 65.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

Tgt Ion:152 Resp: 91597
Ion Ratio Lower Upper
152 100
115 57.4 43.3 129.8
150 159.3 0.0 351.2





#74

N-amy1 acetate

Concen: 6.186 ug/l

RT: 10.579 min Scan# 1

Delta R.T. -0.263 min

Lab File: VX025363.D

Acq: 29 Nov 2021 12:41

Instrument :

MSVOA_X

ClientSampleId :

20926

Tgt Ion: 43 Resp: 17467

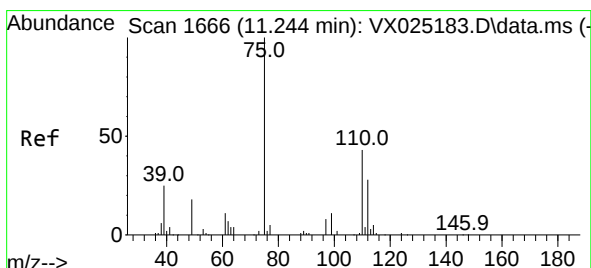
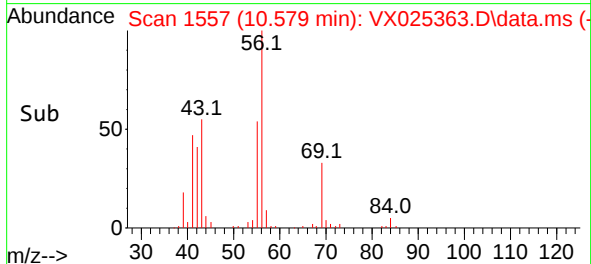
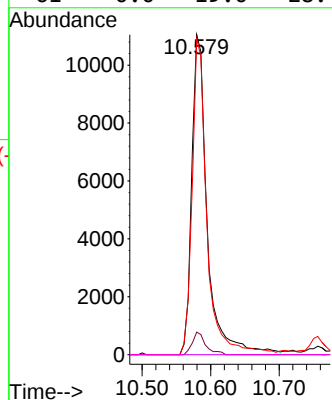
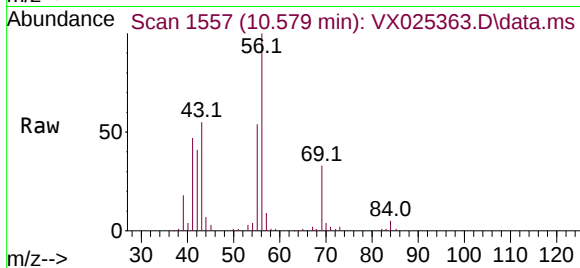
Ion Ratio Lower Upper

43 100

70 6.0 33.7 50.5#

55 93.9 19.7 29.5#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 22.653 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025363.D

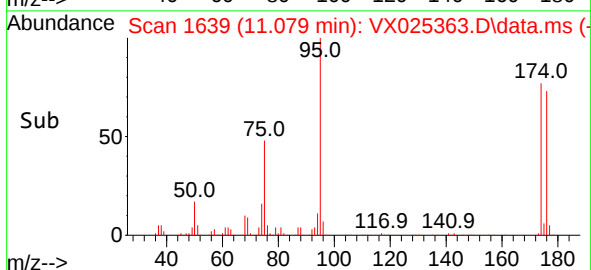
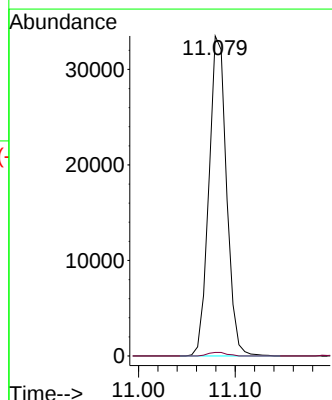
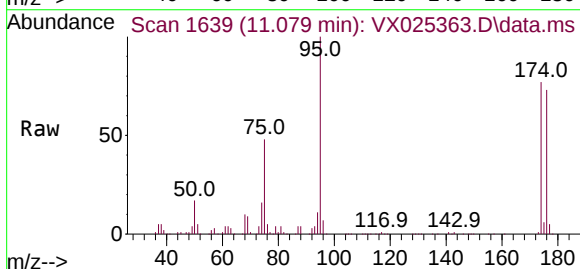
Acq: 29 Nov 2021 12:41

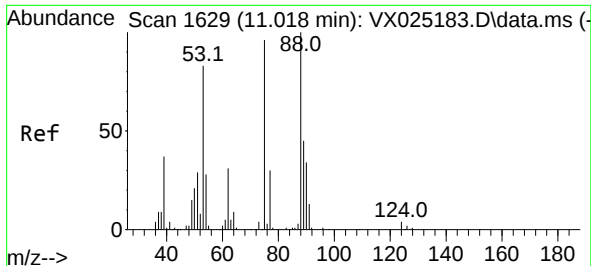
Tgt Ion: 75 Resp: 42490

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#

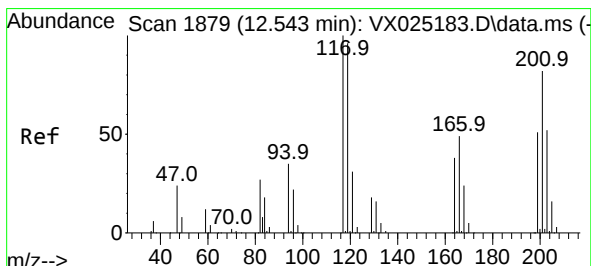
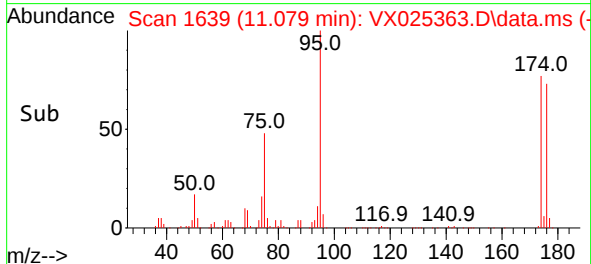
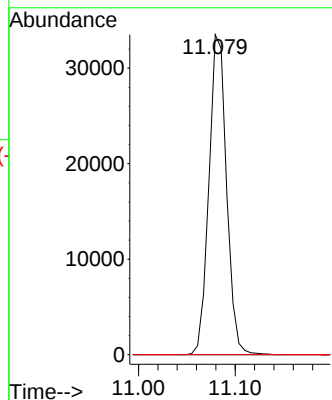
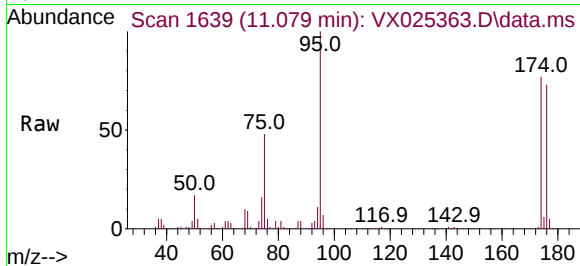




#81
trans-1,4-Dichloro-2-butene
Concen: 57.066 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

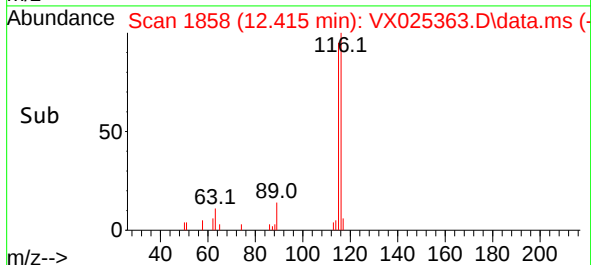
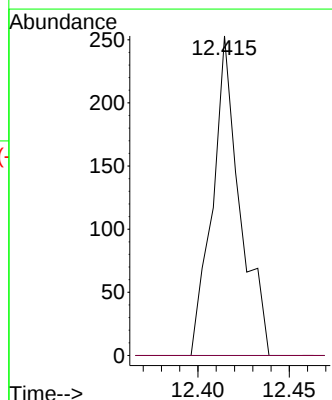
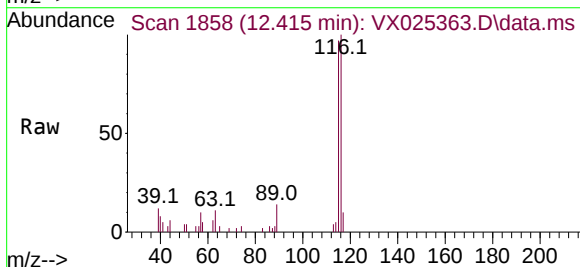
Instrument :
MSVOA_X
ClientSampleId :
20926

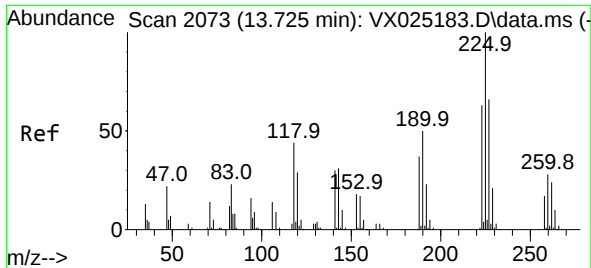
Tgt Ion: 75 Resp: 42490
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#90
Hexachloroethane
Concen: 0.245 ug/l
RT: 12.415 min Scan# 1858
Delta R.T. -0.128 min
Lab File: VX025363.D
Acq: 29 Nov 2021 12:41

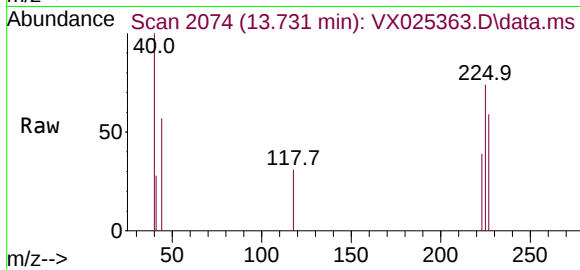
Tgt Ion: 117 Resp: 263
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#





#94
 Hexachlorobutadiene
 Concen: 0.224 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX025363.D
 Acq: 29 Nov 2021 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 20926



Tgt Ion:	225	Resp:	193
Ion	Ratio	Lower	Upper
225	100		
223	31.1	30.9	92.7
227	62.2	31.1	93.5

