

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
 Data File : VX030227.D
 Acq On : 27 Jul 2022 12:44
 Operator : JC/MD
 Sample : N3876-02DL 2X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-06-84DL

Quant Time: Jul 28 05:49:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

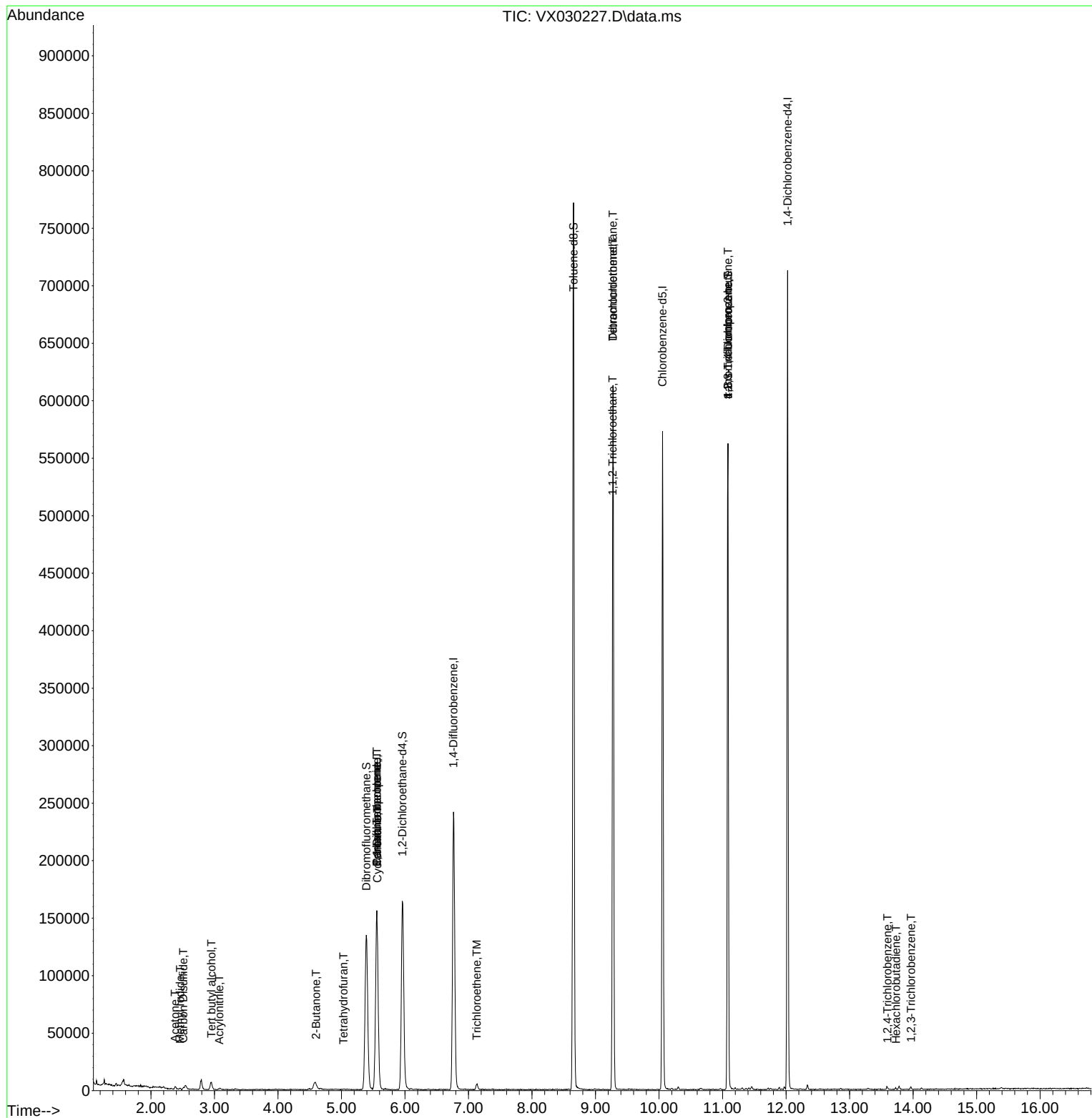
Internal Standards						
1) Pentafluorobenzene	5.556	168	142357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154631	54.042	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.080%	
35) Dibromofluoromethane	5.391	113	122587	51.929	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.860%	
50) Toluene-d8	8.653	98	447600	48.961	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.920%	
62) 4-Bromofluorobenzene	11.085	95	156333	46.078	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.160%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	506	Below Cal	#	66
10) Methyl Iodide	2.459	142	750	1.853	ug/l #	74
11) Tert butyl alcohol	2.953	59	3713	5.320	ug/l #	74
15) Acrylonitrile	3.075	53	583	0.338	ug/l #	56
16) Acetone	2.380	43	2193	1.497	ug/l	97
17) Carbon Disulfide	2.508	76	1766	0.294	ug/l #	94
20) Methylene Chloride	2.794	84	3826	Below Cal		94
25) 2-Butanone	4.599	43	1067	0.433	ug/l #	80
29) Tetrahydrofuran	5.032	42	465	0.281	ug/l #	44
31) Cyclohexane	5.562	56	3348	0.806	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	11734	3.454	ug/l #	46
38) Carbon Tetrachloride	5.556	117	15017	4.735	ug/l #	18
44) Trichloroethene	7.129	130	1939	0.664	ug/l	84
55) 1,1,2-Trichloroethane	9.269	97	1031	0.371	ug/l #	22
60) Dibromochloromethane	9.275	129	109724	42.689	ug/l #	11
64) Tetrachloroethene	9.275	164	110137	41.459	ug/l	98
67) Ethyl Benzene	10.201	91	681	Below Cal		93
76) 1,2,3-Trichloropropane	11.085	75	78908	22.033	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	78908	66.096	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.597	180	793	0.288	ug/l #	74
94) Hexachlorobutadiene	13.731	225	291	0.263	ug/l #	54
96) 1,2,3-Trichlorobenzene	13.969	180	596	0.211	ug/l	88

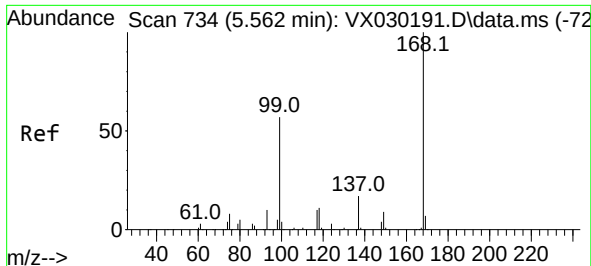
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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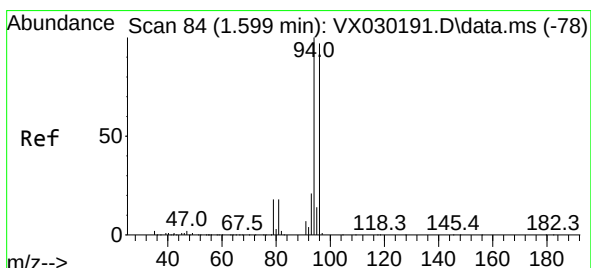
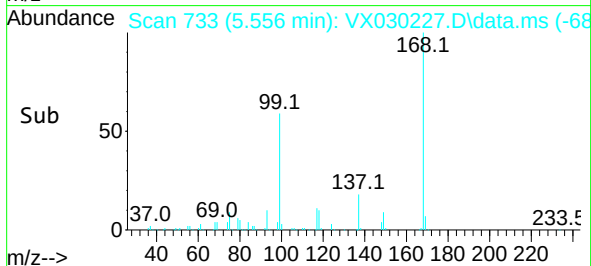
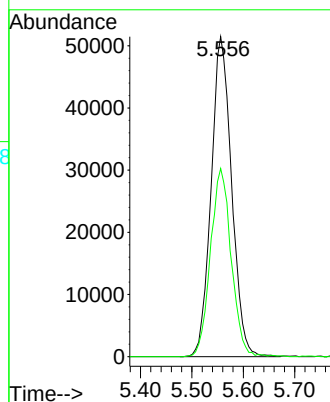
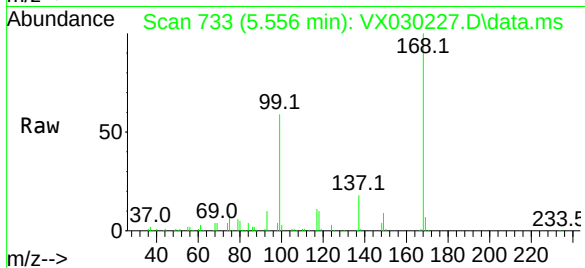




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

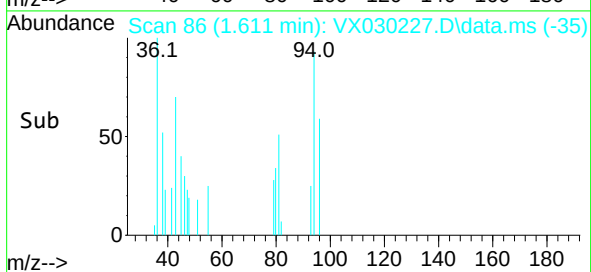
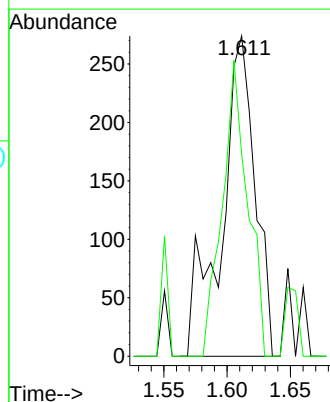
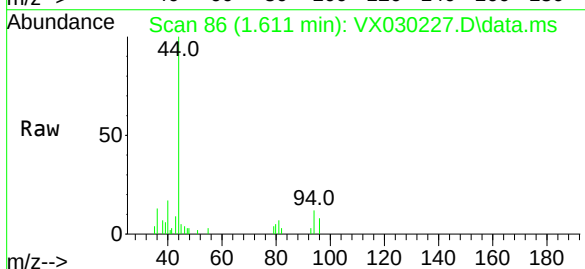
Instrument :
MSVOA_X
ClientSampleId :
SPC-06-84DL

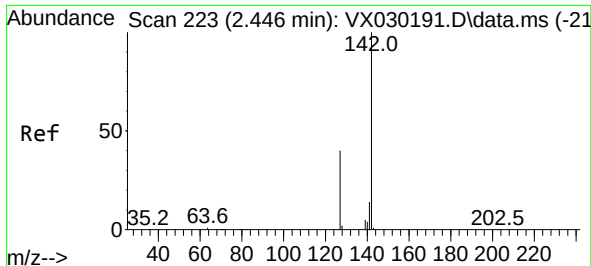
Tgt Ion:168 Resp: 142357
Ion Ratio Lower Upper
168 100
99 58.8 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion: 94 Resp: 506
Ion Ratio Lower Upper
94 100
96 63.1 76.9 115.3#

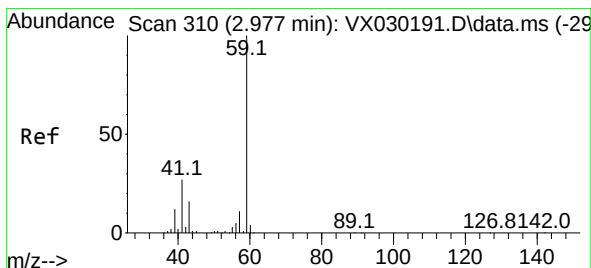
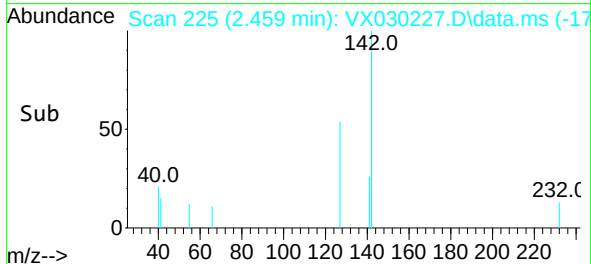
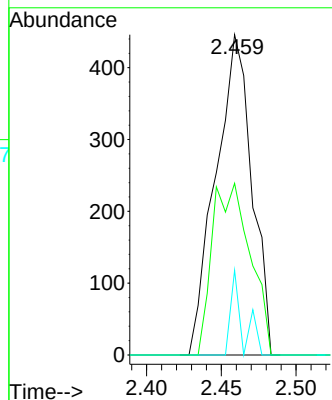
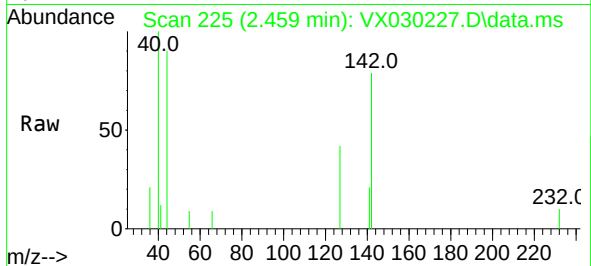




#10
Methyl Iodide
Concen: 1.853 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

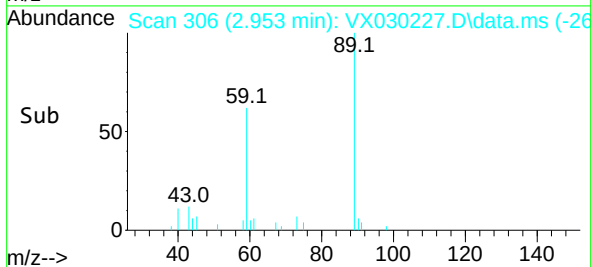
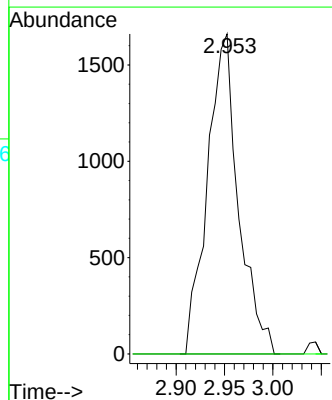
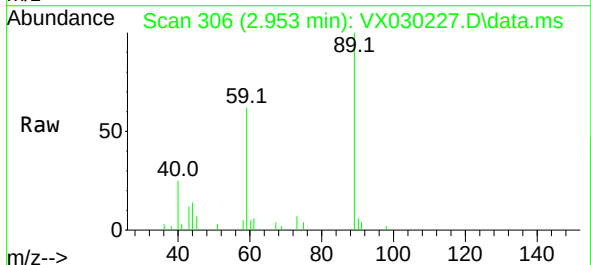
Instrument :
MSVOA_X
ClientSampleId :
SPC-06-84DL

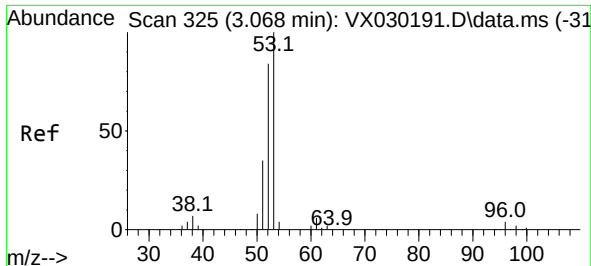
Tgt Ion:142 Resp: 750
Ion Ratio Lower Upper
142 100
127 56.3 30.2 45.2#
141 8.8 11.3 16.9#



#11
Tert butyl alcohol
Concen: 5.320 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion: 59 Resp: 3713
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#15

Acrylonitrile

Concen: 0.338 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX030227.D

Acq: 27 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

SPC-06-84DL

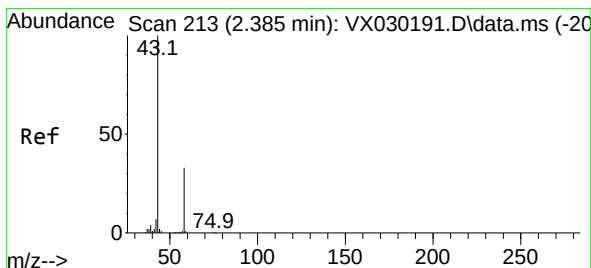
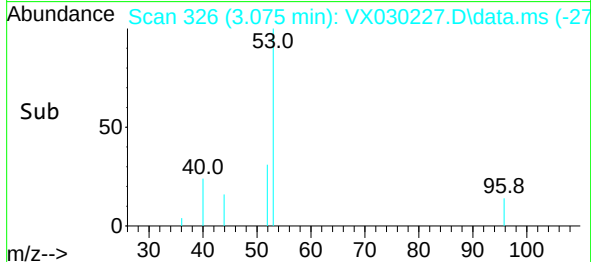
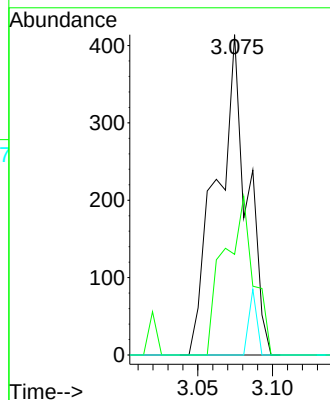
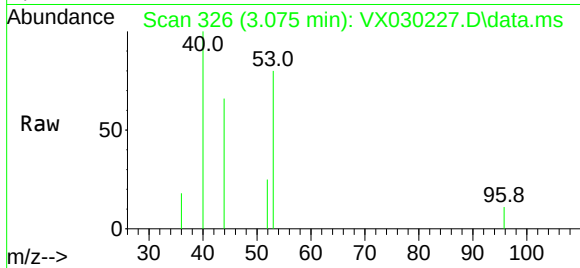
Tgt Ion: 53 Resp: 583

Ion Ratio Lower Upper

53 100

52 48.4 65.4 98.0#

51 0.0 27.7 41.5#



#16

Acetone

Concen: 1.497 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.005 min

Lab File: VX030227.D

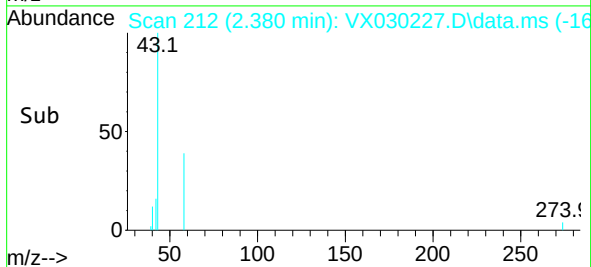
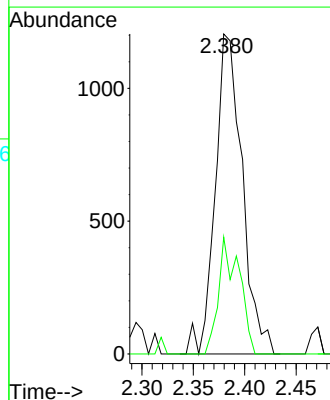
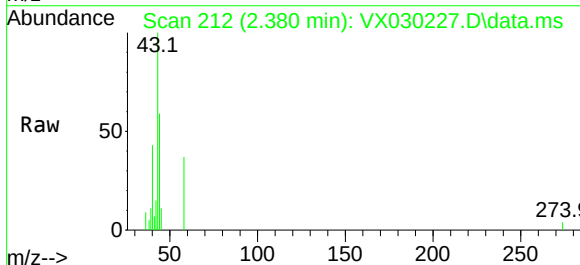
Acq: 27 Jul 2022 12:44

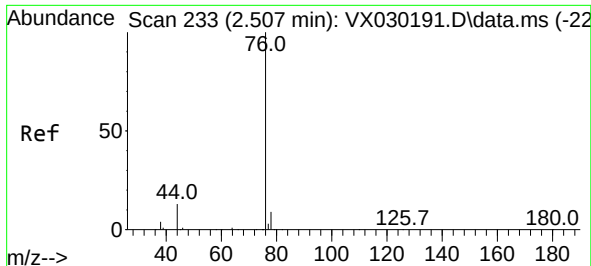
Tgt Ion: 43 Resp: 2193

Ion Ratio Lower Upper

43 100

58 36.5 27.7 41.5

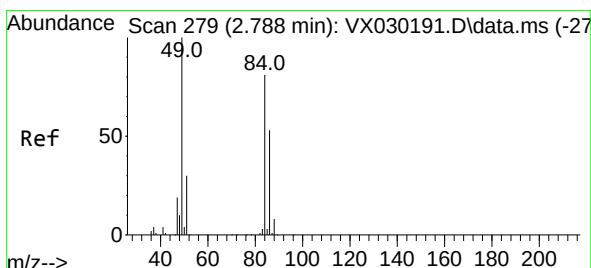
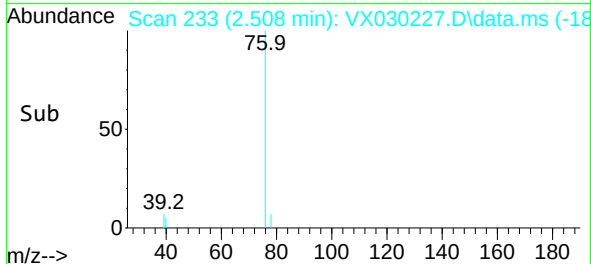
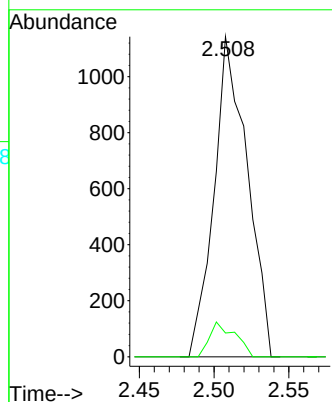
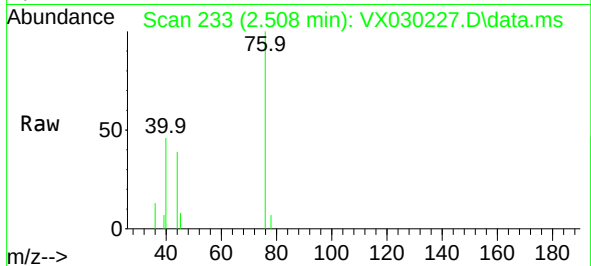




#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

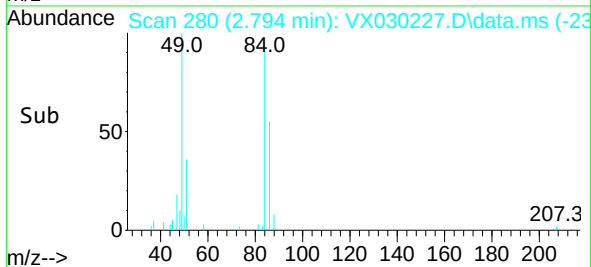
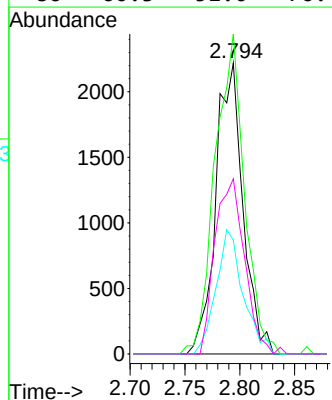
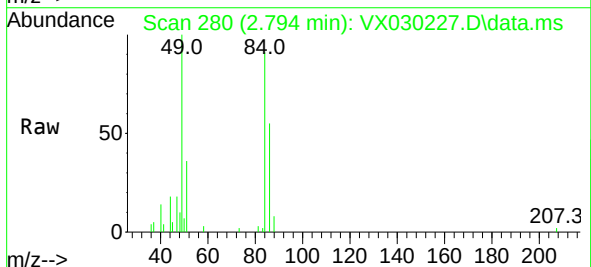
Instrument :
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ClientSampleId :
SPC-06-84DL

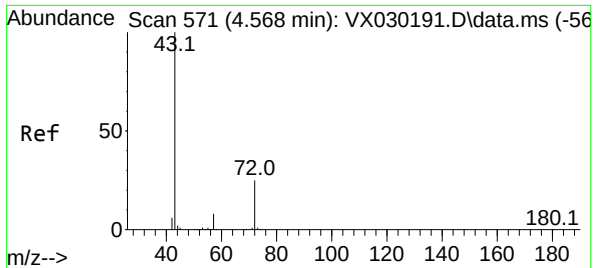
Tgt Ion: 76 Resp: 1766
Ion Ratio Lower Upper
76 100
78 7.4 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion: 84 Resp: 3826
Ion Ratio Lower Upper
84 100
49 110.0 93.8 140.6
51 39.3 29.4 44.0
86 60.3 51.0 76.4

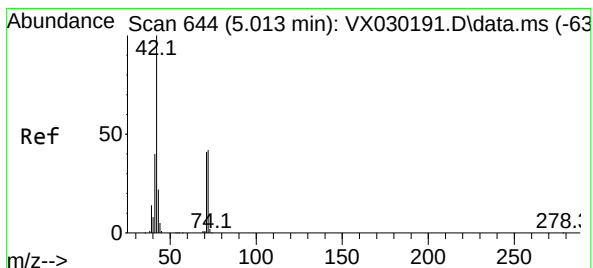
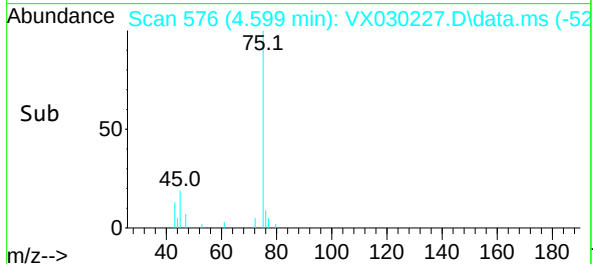
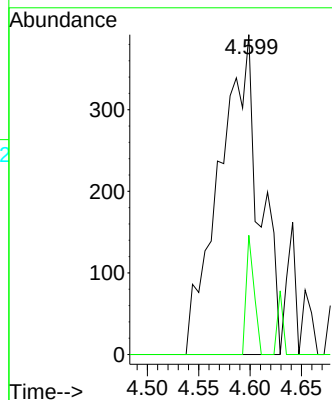
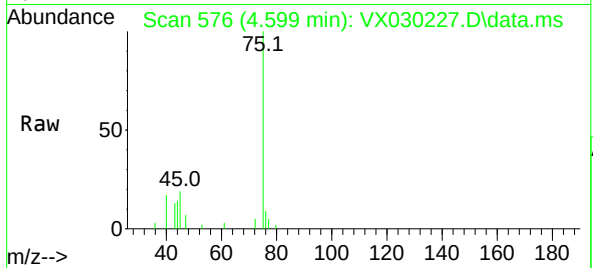




#25
2-Butanone
Concen: 0.433 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

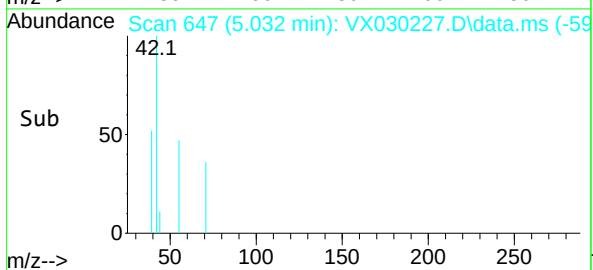
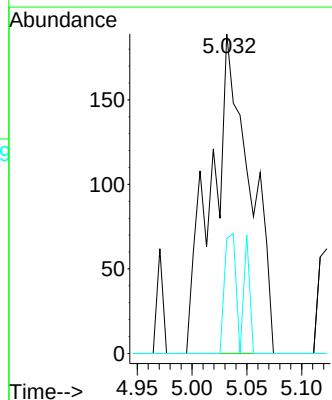
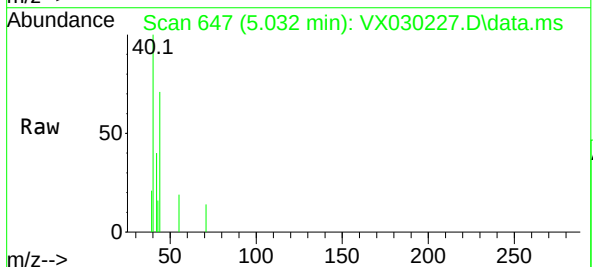
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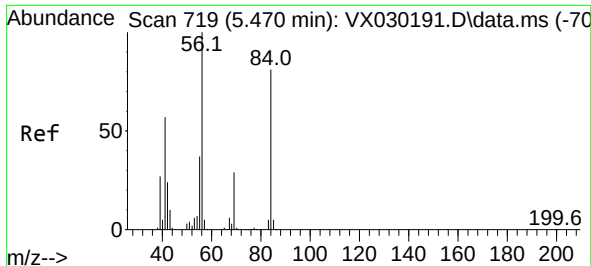
Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
72 37.2 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion: 42 Resp: 465
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 16.3 33.9 50.9#

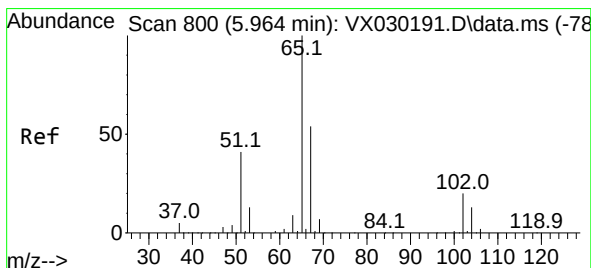
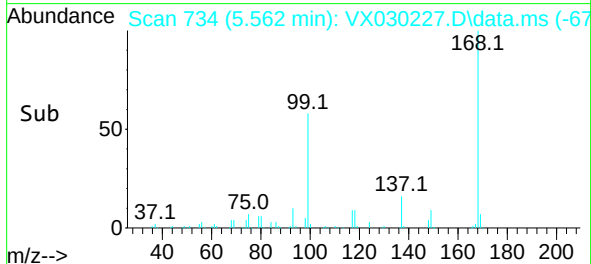
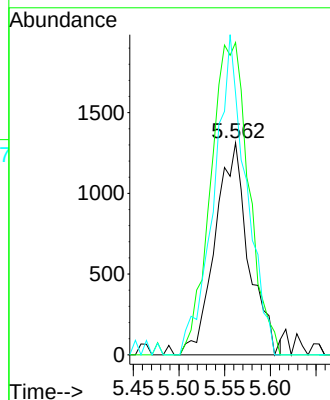
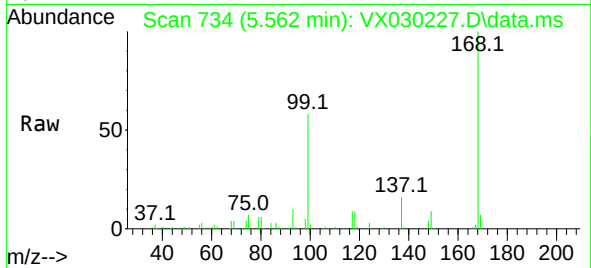




#31
Cyclohexane
Concen: 0.806 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

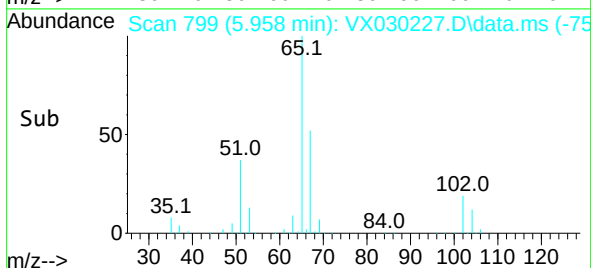
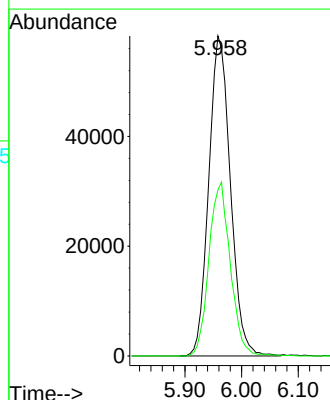
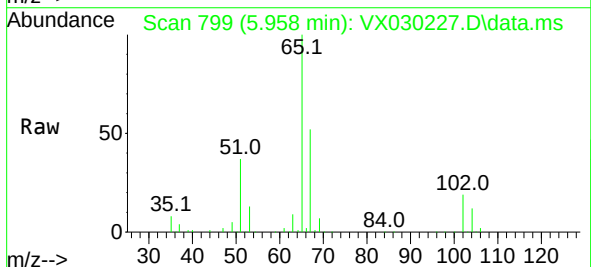
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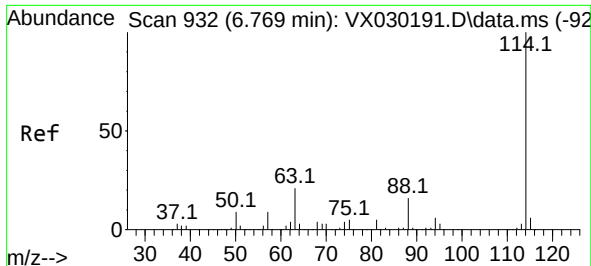
Tgt Ion: 56 Resp: 3348
Ion Ratio Lower Upper
56 100
69 147.3 25.4 38.0#
84 123.4 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 54.042 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion: 65 Resp: 154631
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6

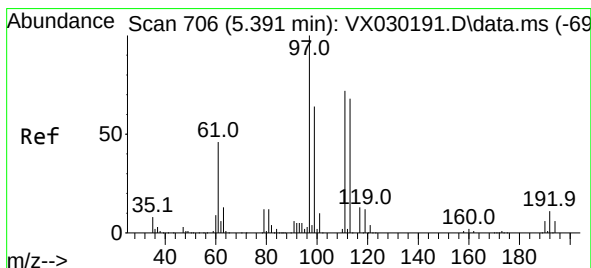
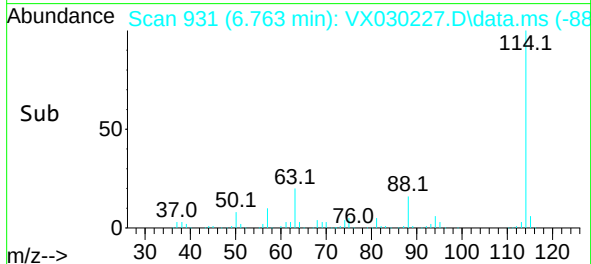
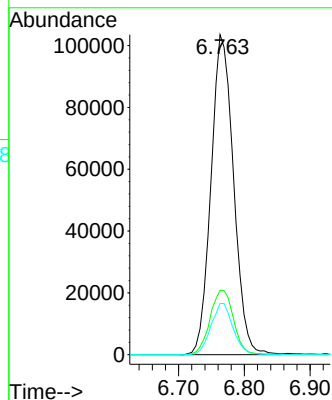
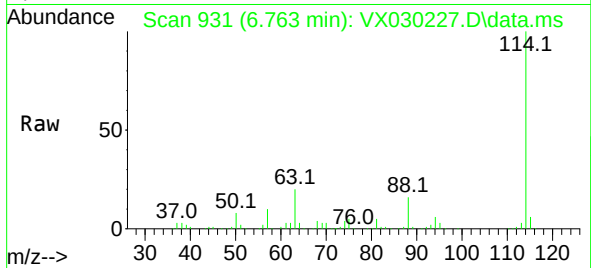




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

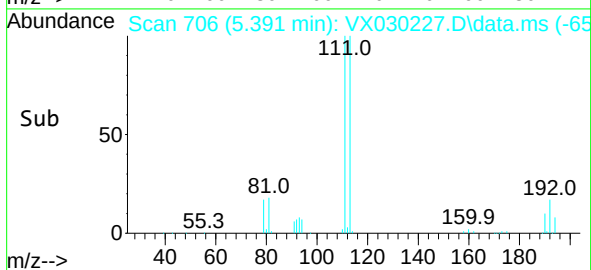
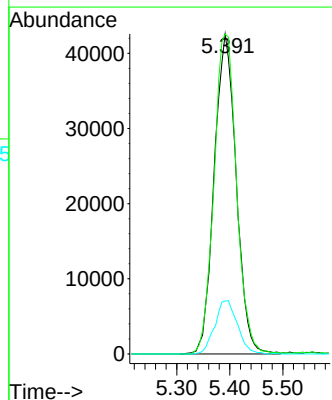
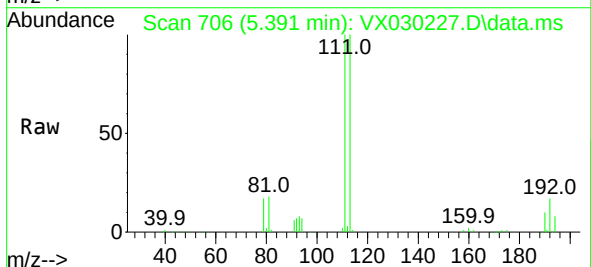
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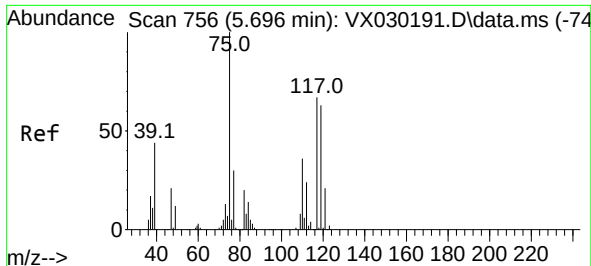
Tgt Ion:114 Resp: 246944
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.4
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.929 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion:113 Resp: 122587
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 17.2 14.8 22.2

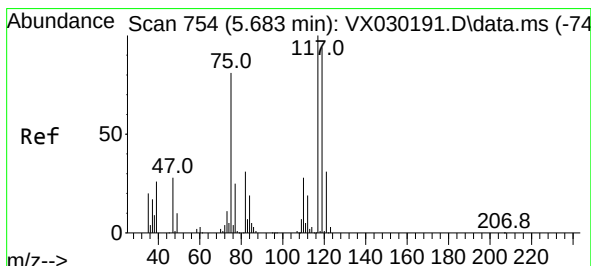
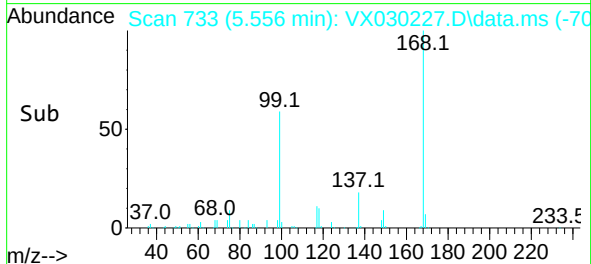
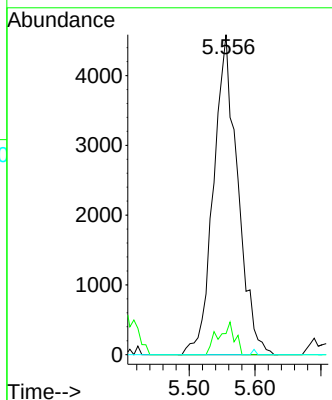
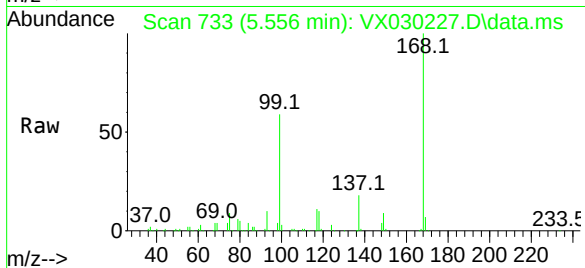




#36
 1,1-Dichloropropene
 Concen: 3.454 ug/l
 RT: 5.556 min Scan# 713
 Delta R.T. -0.140 min
 Lab File: VX030227.D
 Acq: 27 Jul 2022 12:44

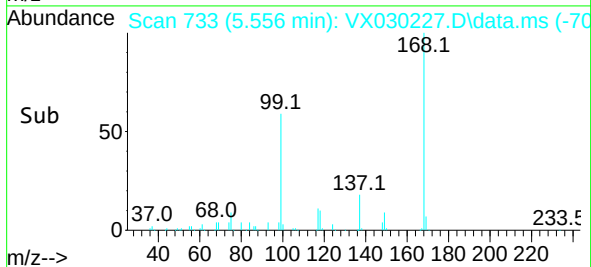
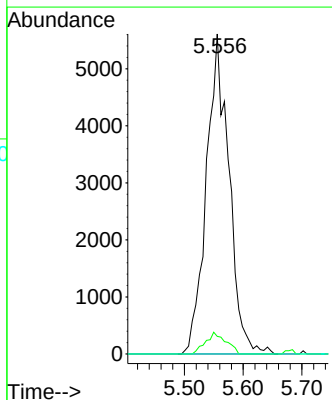
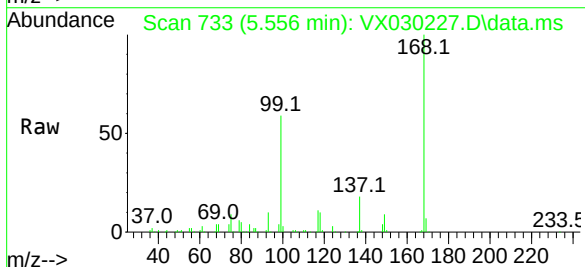
Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-06-84DL

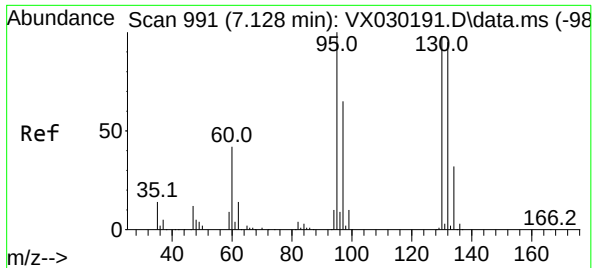
Tgt Ion: 75 Resp: 11734
 Ion Ratio Lower Upper
 75 100
 110 6.9 19.3 57.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.735 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.127 min
 Lab File: VX030227.D
 Acq: 27 Jul 2022 12:44

Tgt Ion: 117 Resp: 15017
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.1 111.1#
 121 0.0 25.8 38.8#

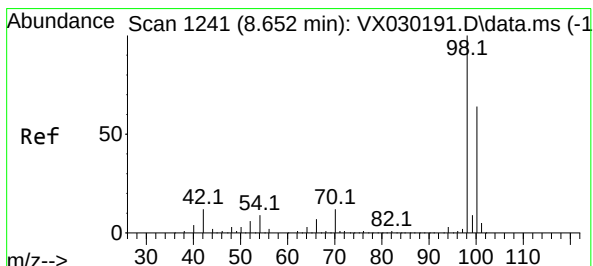
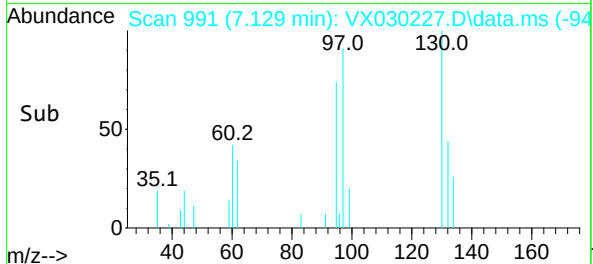
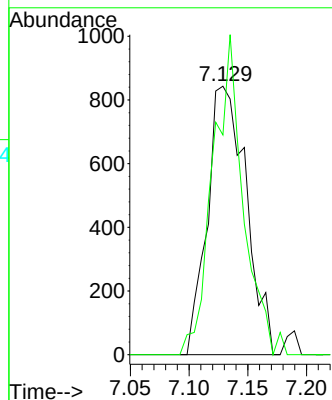
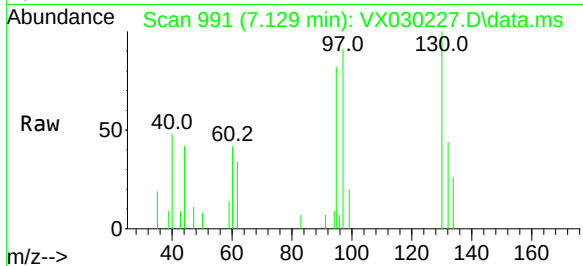




#44
 Trichloroethene
 Concen: 0.664 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.001 min
 Lab File: VX030227.D
 Acq: 27 Jul 2022 12:44

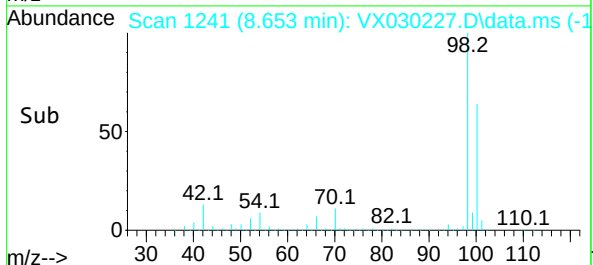
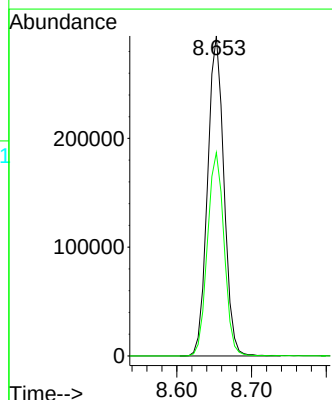
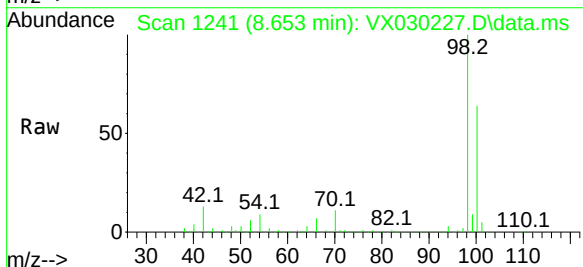
Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-06-84DL

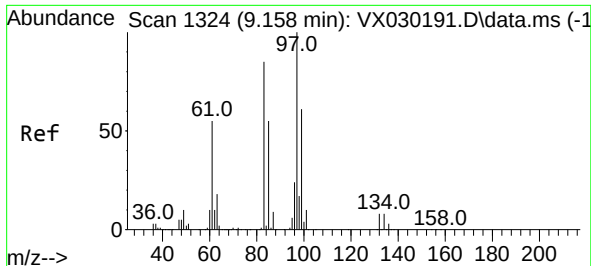
Tgt Ion:130 Resp: 1939
 Ion Ratio Lower Upper
 130 100
 95 81.9 0.0 194.8



#50
 Toluene-d8
 Concen: 48.961 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.001 min
 Lab File: VX030227.D
 Acq: 27 Jul 2022 12:44

Tgt Ion: 98 Resp: 447600
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.3 78.5





#55

1,1,2-Trichloroethane

Concen: 0.371 ug/l

RT: 9.269 min Scan# 1

Delta R.T. 0.111 min

Lab File: VX030227.D

Acq: 27 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

SPC-06-84DL

Tgt Ion: 97 Resp: 1031

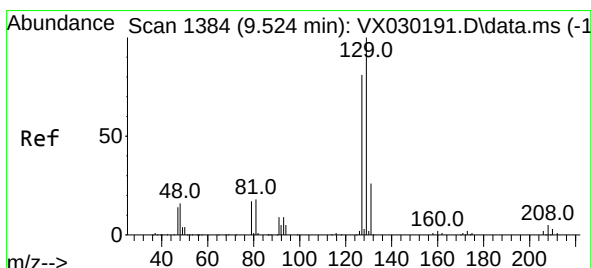
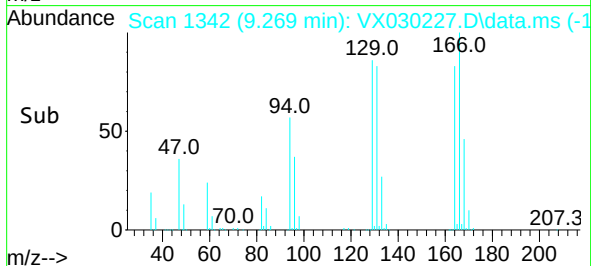
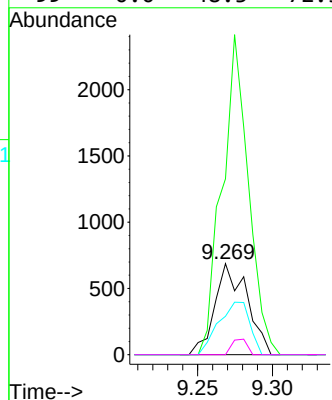
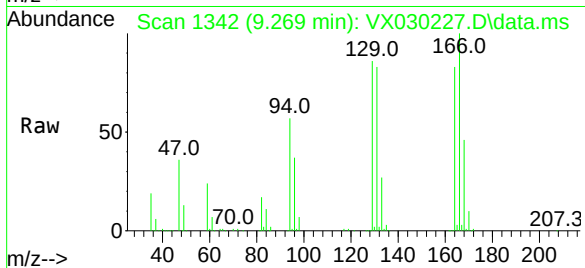
Ion Ratio Lower Upper

97 100

83 192.9 68.9 103.3#

85 42.2 44.0 66.0#

99 0.0 48.3 72.5#



#60

Dibromochloromethane

Concen: 42.689 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.249 min

Lab File: VX030227.D

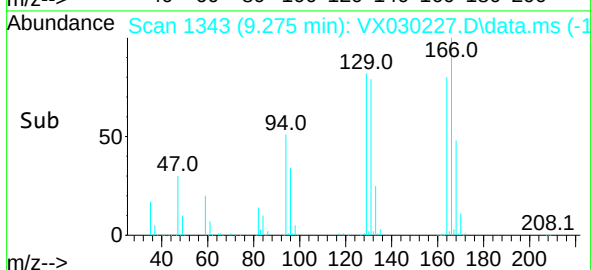
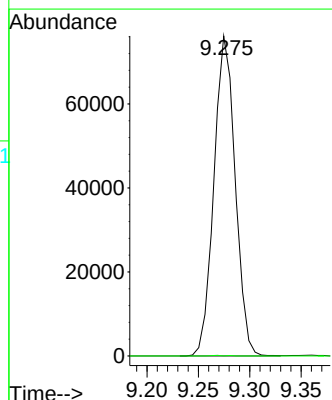
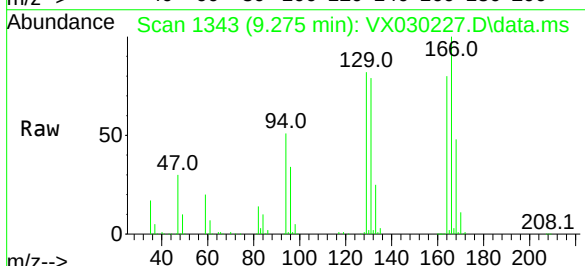
Acq: 27 Jul 2022 12:44

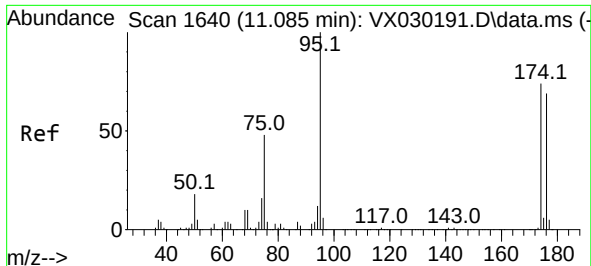
Tgt Ion: 129 Resp: 109724

Ion Ratio Lower Upper

129 100

127 0.1 38.5 115.5#

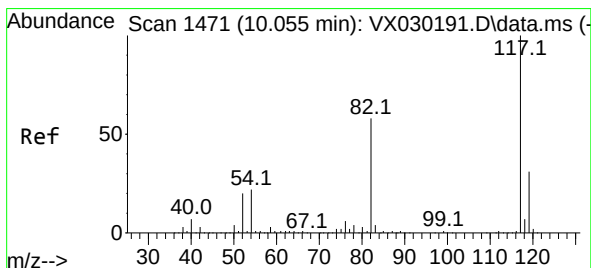
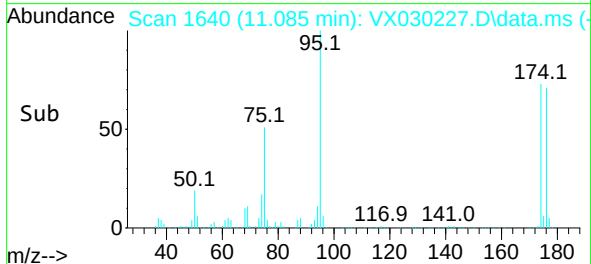
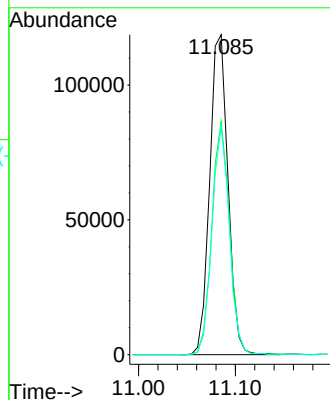
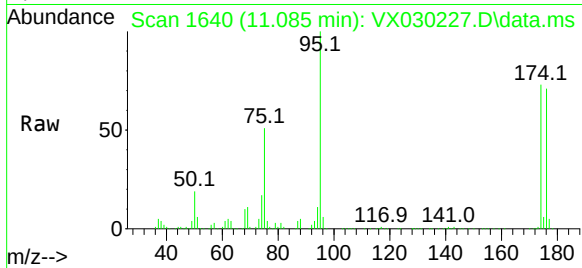




#62
4-Bromofluorobenzene
Concen: 46.078 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

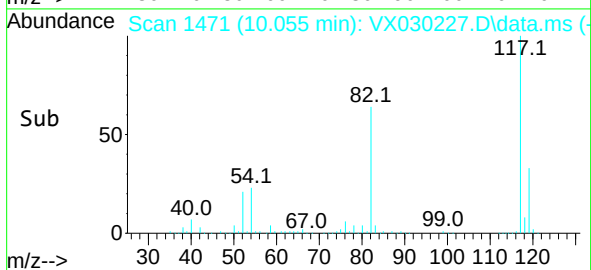
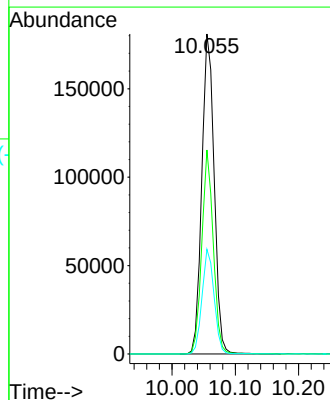
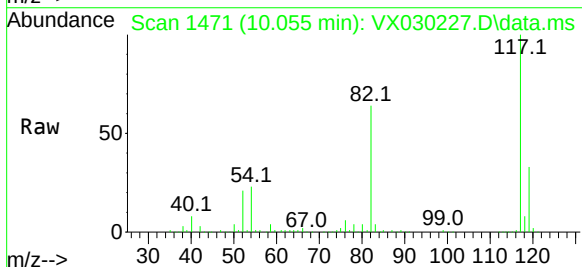
Instrument :
MSVOA_X
ClientSampleId :
SPC-06-84DL

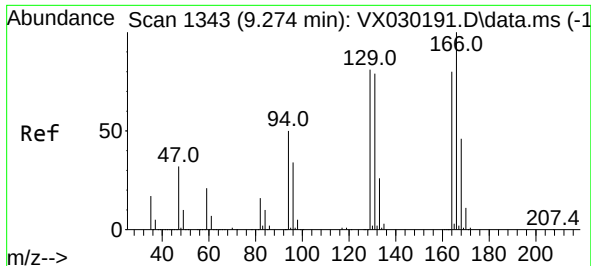
Tgt Ion: 95 Resp: 156333
Ion Ratio Lower Upper
95 100
174 70.7 0.0 149.0
176 67.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion: 117 Resp: 246760
Ion Ratio Lower Upper
117 100
82 63.7 42.7 64.1
119 32.7 25.4 38.2

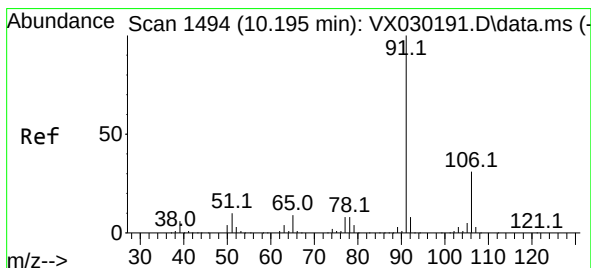
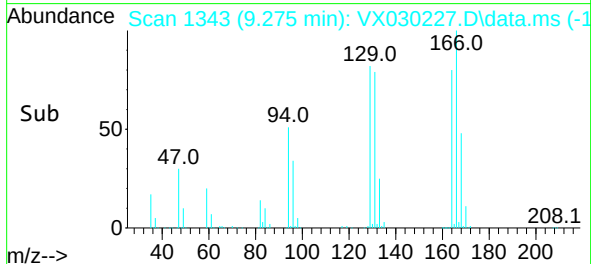
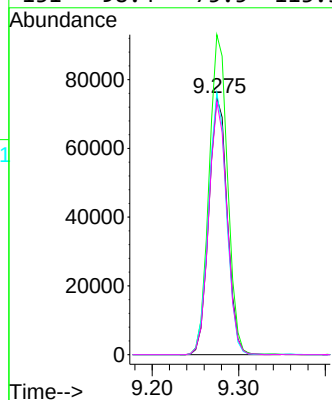
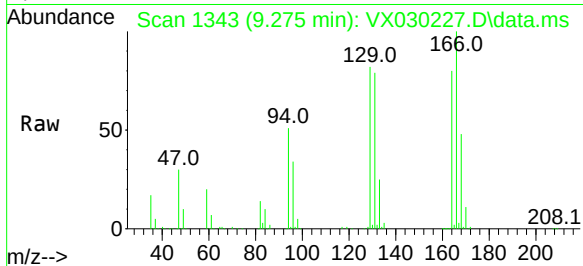




#64
Tetrachloroethene
Concen: 41.459 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

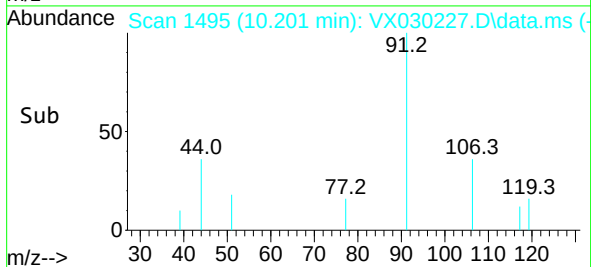
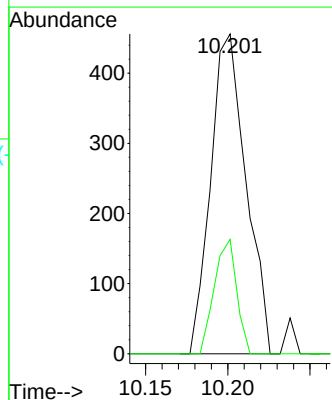
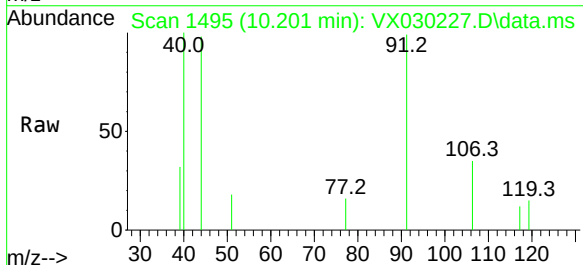
Instrument :
MSVOA_X
ClientSampleId :
SPC-06-84DL

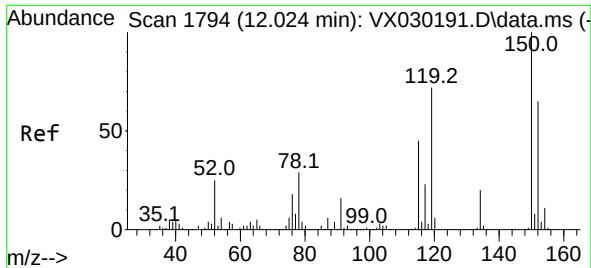
Tgt Ion:164 Resp: 110137
Ion Ratio Lower Upper
164 100
166 124.5 98.2 147.4
129 101.9 80.8 121.2
131 98.4 75.5 113.3



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion: 91 Resp: 681
Ion Ratio Lower Upper
91 100
106 35.7 25.5 38.3

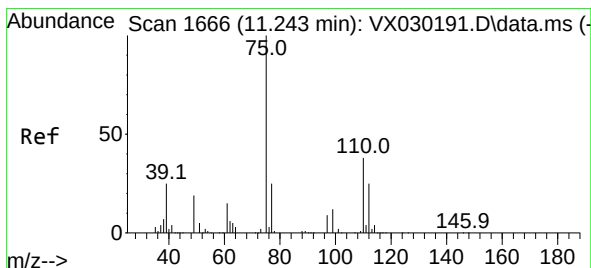
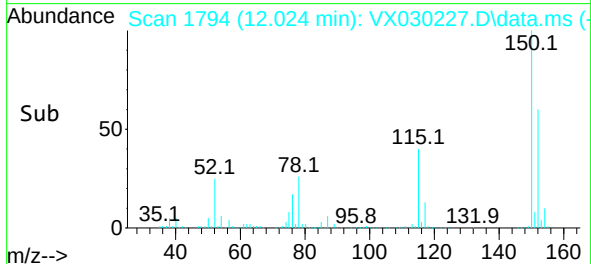
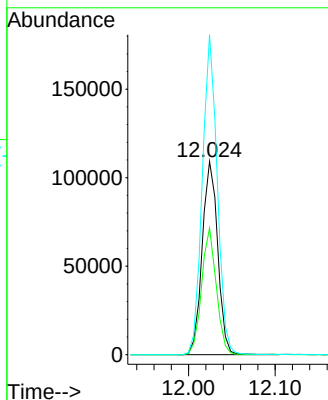
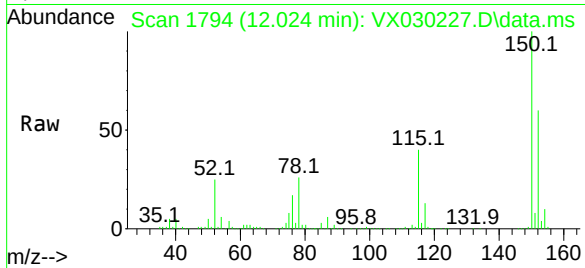




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030227.D
 Acq: 27 Jul 2022 12:44

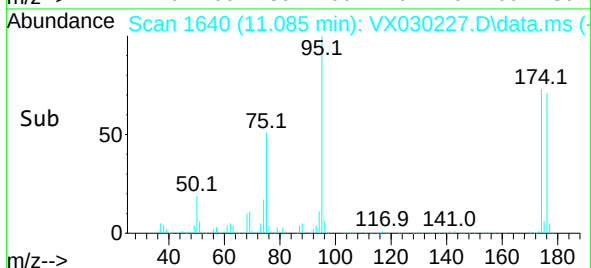
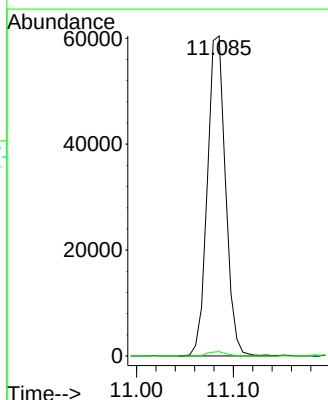
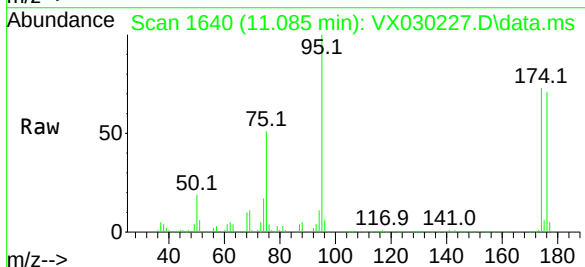
Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-06-84DL

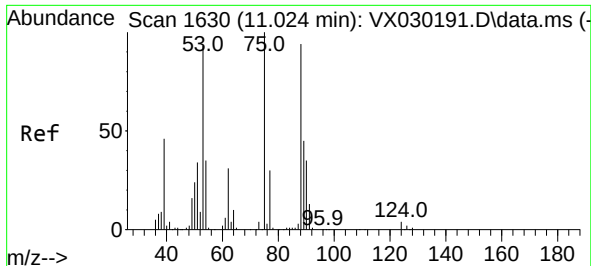
Tgt Ion:152 Resp: 135868
 Ion Ratio Lower Upper
 152 100
 115 62.0 40.5 121.5
 150 158.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.033 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030227.D
 Acq: 27 Jul 2022 12:44

Tgt Ion: 75 Resp: 78908
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#

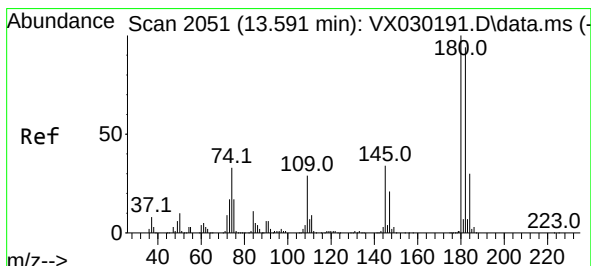
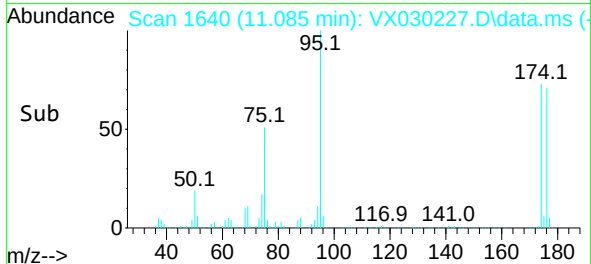
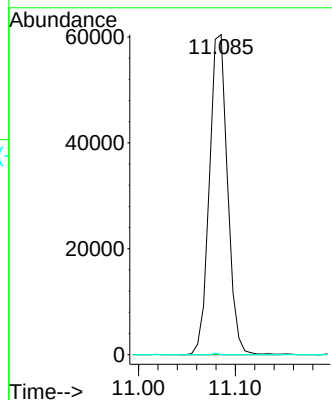
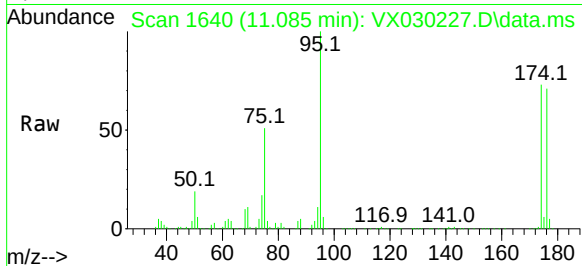




#81
trans-1,4-Dichloro-2-butene
Concen: 66.096 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

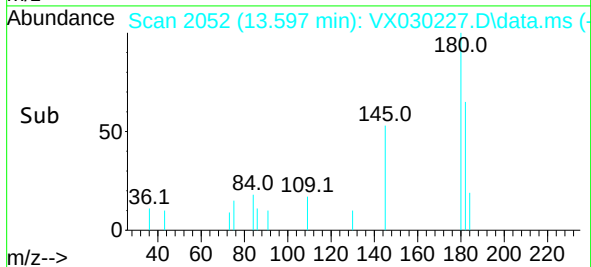
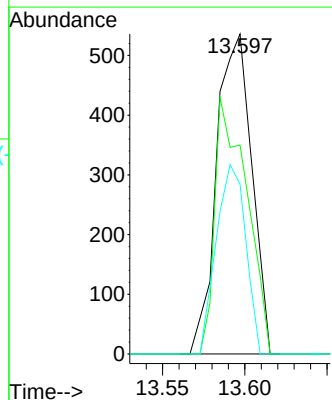
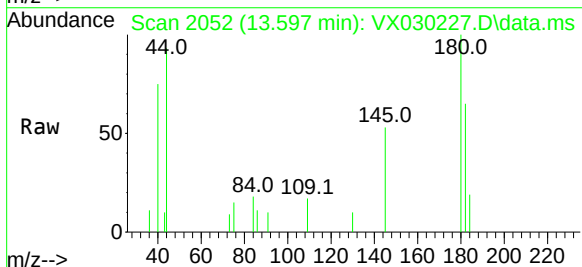
Instrument :
MSVOA_X
ClientSampleId :
SPC-06-84DL

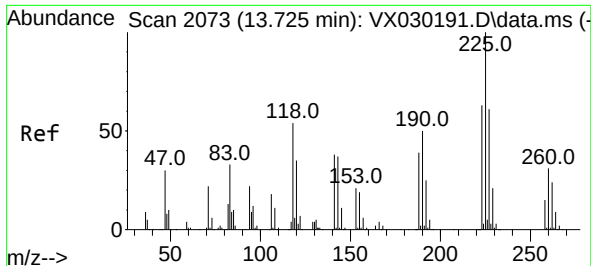
Tgt Ion: 75 Resp: 78908
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.288 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion:180 Resp: 793
Ion Ratio Lower Upper
180 100
182 72.9 48.2 144.6
145 49.6 15.9 47.6#

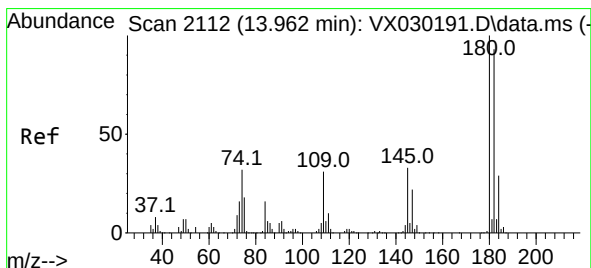
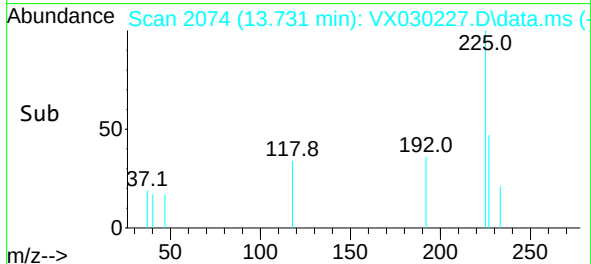
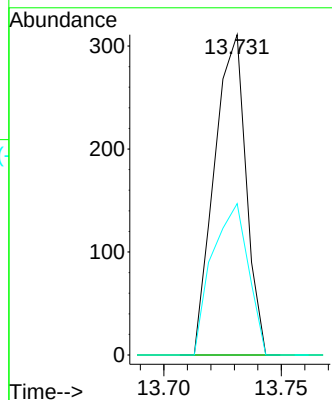
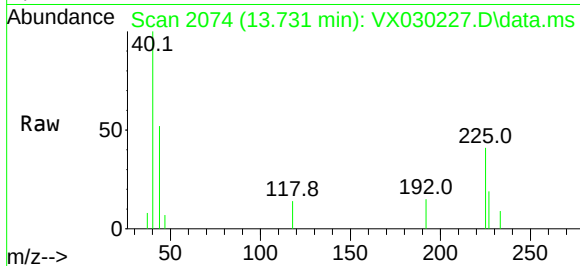




#94
Hexachlorobutadiene
Concen: 0.263 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Instrument :
MSVOA_X
ClientSampleId :
SPC-06-84DL

Tgt Ion:225 Resp: 291
Ion Ratio Lower Upper
225 100
223 0.0 30.6 91.6#
227 54.0 31.9 95.9



#96
1,2,3-Trichlorobenzene
Concen: 0.211 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.007 min
Lab File: VX030227.D
Acq: 27 Jul 2022 12:44

Tgt Ion:180 Resp: 596
Ion Ratio Lower Upper
180 100
182 78.5 47.0 141.0
145 34.7 17.0 50.9

