

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072622\
 Data File : VX030210.D
 Acq On : 26 Jul 2022 15:16
 Operator : JC/MD
 Sample : N3876-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-02-84

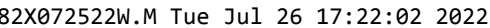
Quant Time: Jul 26 17:21:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

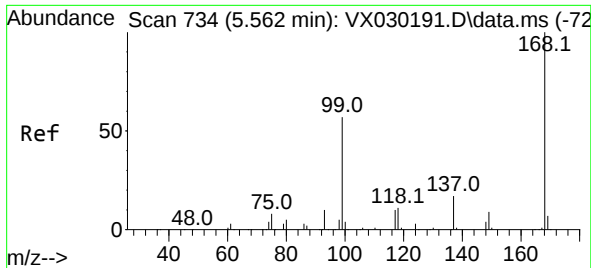
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	143925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	245553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	151886	52.505	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.000%	
35) Dibromofluoromethane	5.385	113	122471	52.174	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.340%	
50) Toluene-d8	8.647	98	459874	50.588	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	11.085	95	160789	47.659	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	373	Below Cal	#	78
10) Methyl Iodide	2.453	142	704	1.829	ug/l #	84
11) Tert butyl alcohol	2.941	59	5935	8.411	ug/l #	77
13) Acrolein	2.239	56	49	0.283	ug/l #	25
16) Acetone	2.386	43	2537	1.713	ug/l #	73
17) Carbon Disulfide	2.508	76	1737	0.286	ug/l #	72
20) Methylene Chloride	2.788	84	2453	Below Cal		95
25) 2-Butanone	4.568	43	1354	0.544	ug/l #	48
30) Chloroform	5.093	83	1079	0.234	ug/l #	53
31) Cyclohexane	5.550	56	3343	0.796	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12077	3.575	ug/l #	45
38) Carbon Tetrachloride	5.678	117	992	0.315	ug/l #	74
44) Trichloroethene	7.129	130	890	0.306	ug/l	90
55) 1,1,2-Trichloroethane	9.269	97	1929	0.699	ug/l #	1
60) Dibromochloromethane	9.275	129	213332	83.469	ug/l #	11
64) Tetrachloroethene	9.275	164	207586	76.735	ug/l	97
67) Ethyl Benzene	10.195	91	456	Below Cal	#	85
76) 1,2,3-Trichloropropane	11.079	75	79674	21.642	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	79674	64.924	ug/l #	13
90) Hexachloroethane	12.542	117	28089	17.606	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	678	0.239	ug/l	84
94) Hexachlorobutadiene	13.725	225	342	0.301	ug/l	90
96) 1,2,3-Trichlorobenzene	13.963	180	602	0.207	ug/l #	84

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

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Quant Title : SW846 8260
QLast Update : Mon Jul 25 16:49:17 2022
Response via : Initial Calibration

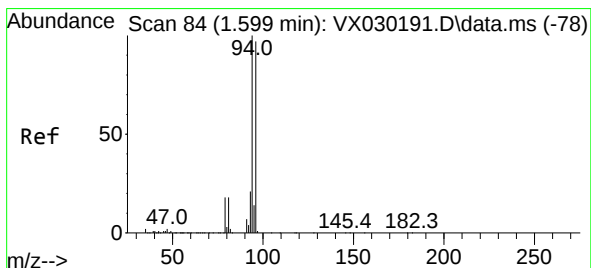
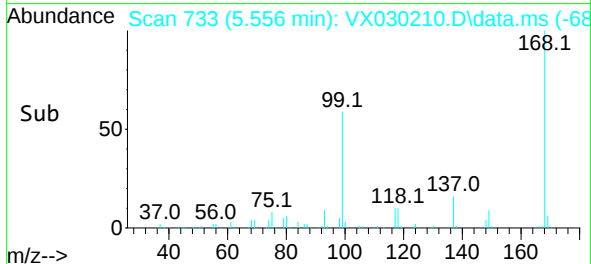
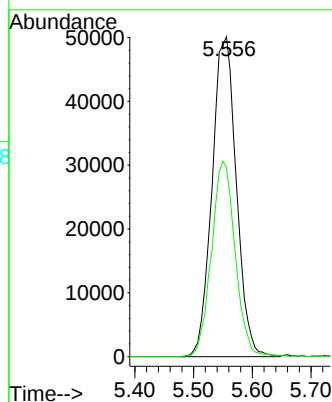
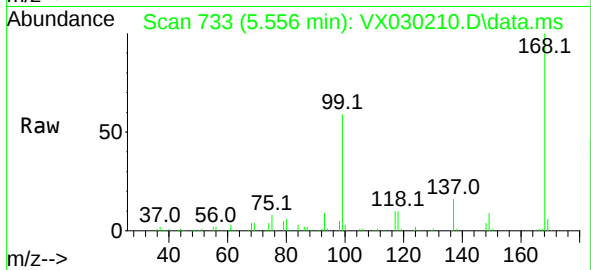




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

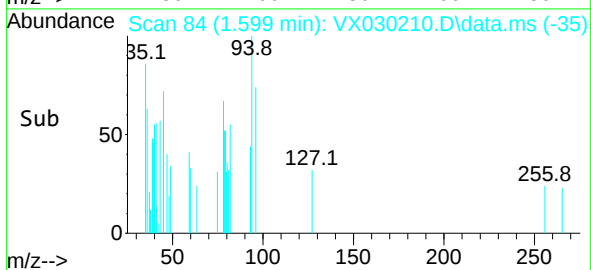
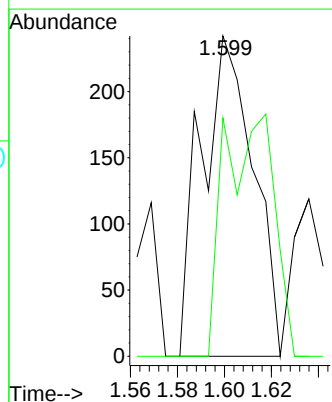
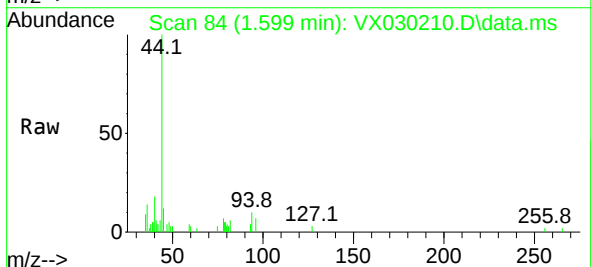
Instrument :
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SPC-02-84

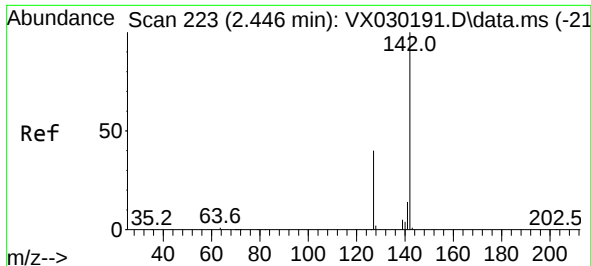
Tgt Ion:168 Resp: 143925
Ion Ratio Lower Upper
168 100
99 59.1 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

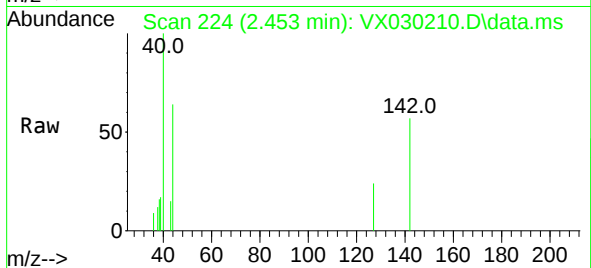
Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 74.4 76.9 115.3#



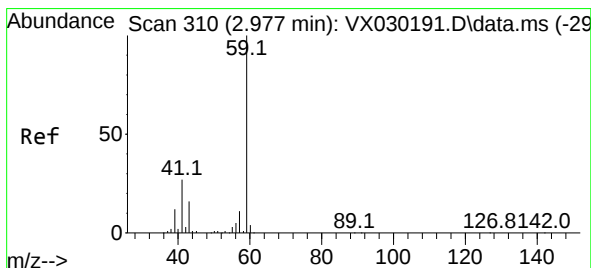
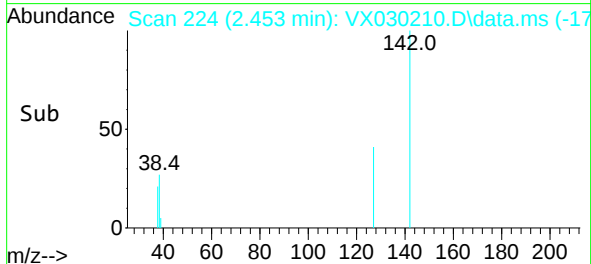
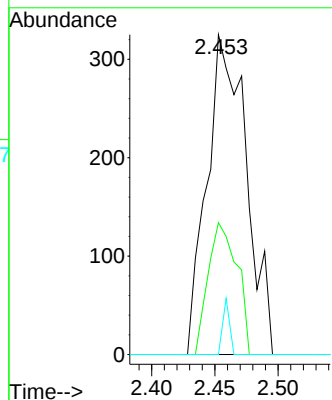


#10
Methyl Iodide
Concen: 1.829 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Instrument :
MSVOA_X
ClientSampleId :
SPC-02-84

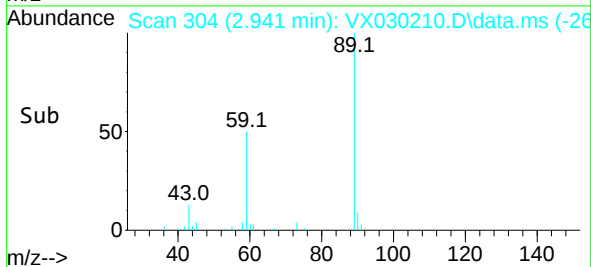
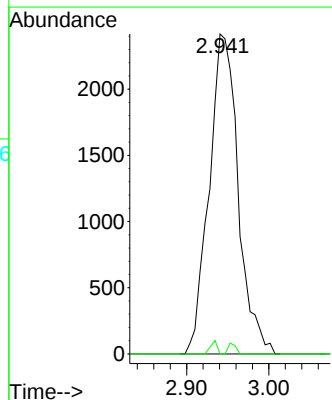
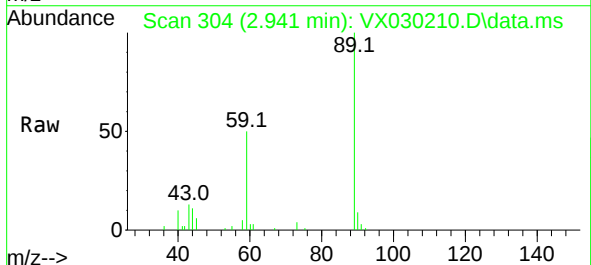


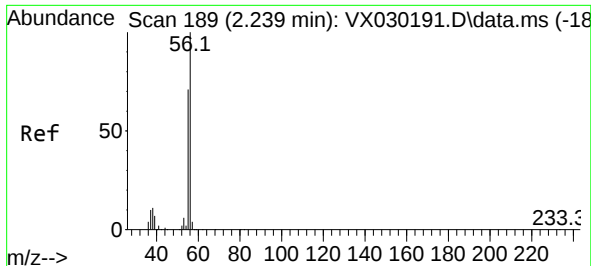
Tgt Ion:142 Resp: 704
Ion Ratio Lower Upper
142 100
127 30.3 30.2 45.2
141 3.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 8.411 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

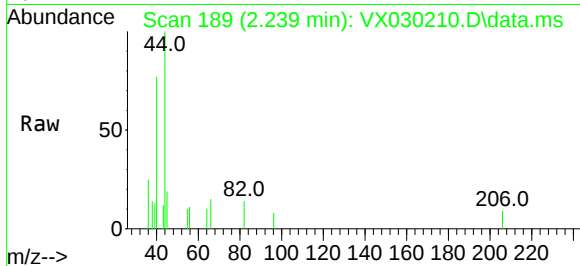
Tgt Ion: 59 Resp: 5935
Ion Ratio Lower Upper
59 100
57 0.9 7.4 11.2#



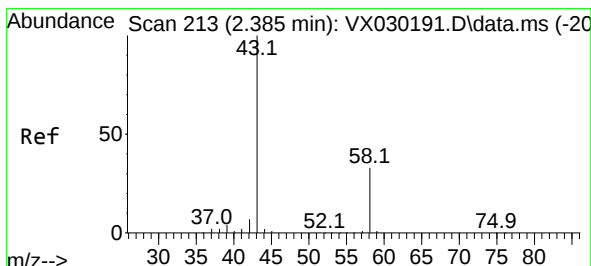
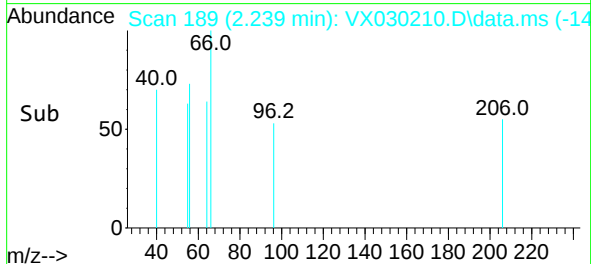
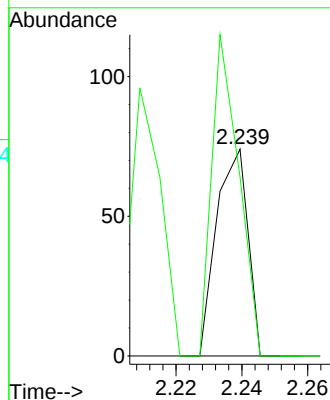


#13
Acrolein
Concen: 0.283 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Instrument :
MSVOA_X
ClientSampleId :
SPC-02-84

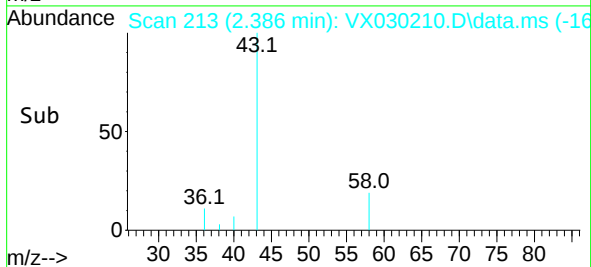
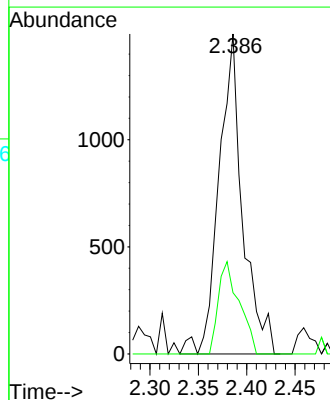
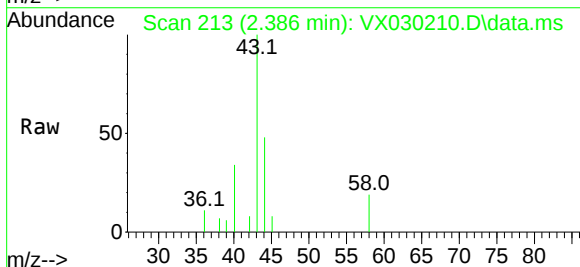


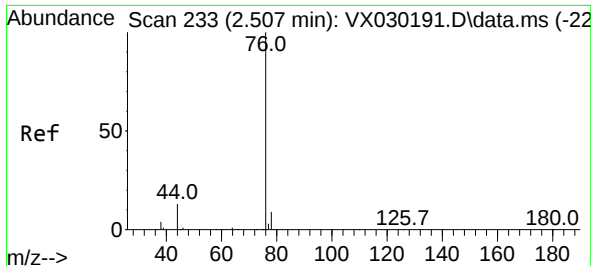
Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 132.7 56.6 84.8#



#16
Acetone
Concen: 1.713 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 43 Resp: 2537
Ion Ratio Lower Upper
43 100
58 19.1 27.7 41.5#

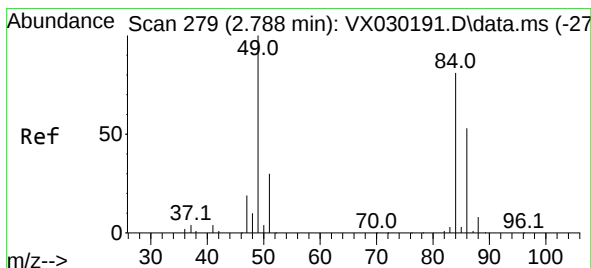
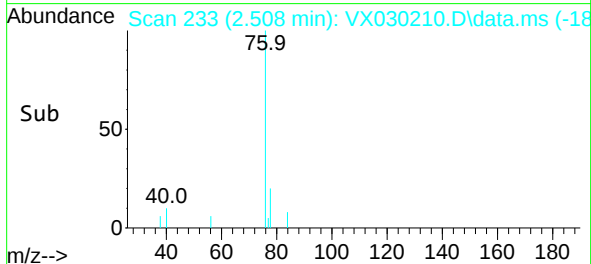
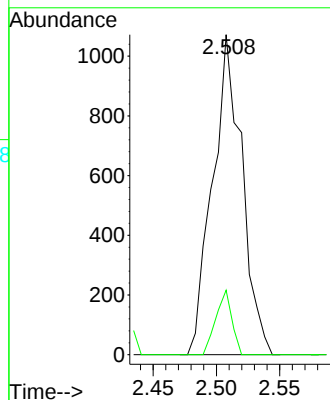
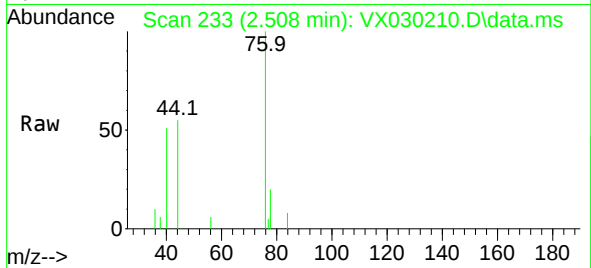




#17
Carbon Disulfide
Concen: 0.286 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

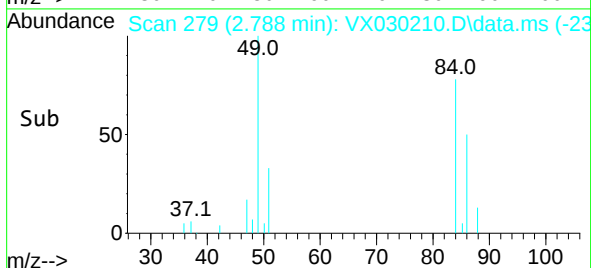
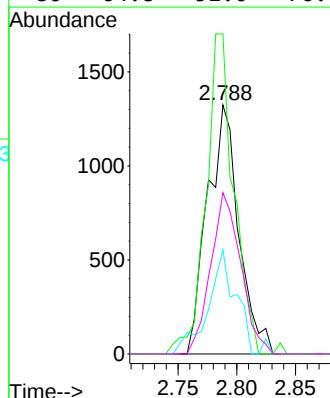
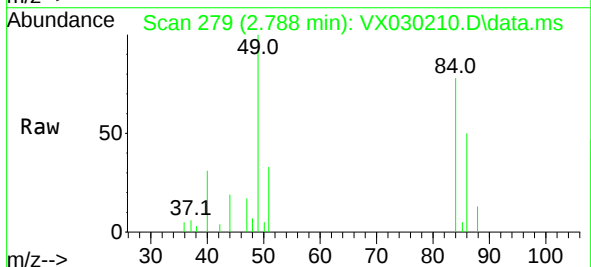
Instrument :
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ClientSampleId :
SPC-02-84

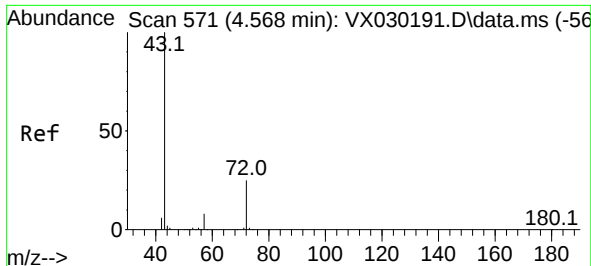
Tgt Ion: 76 Resp: 1737
Ion Ratio Lower Upper
76 100
78 20.1 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 84 Resp: 2453
Ion Ratio Lower Upper
84 100
49 124.1 93.8 140.6
51 41.8 29.4 44.0
86 64.8 51.0 76.4

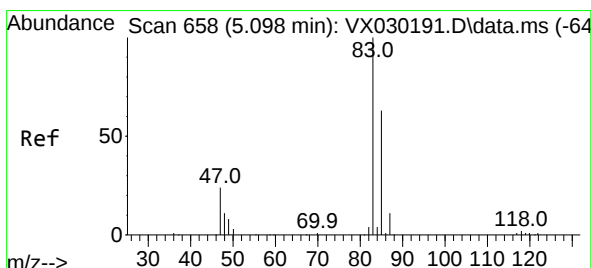
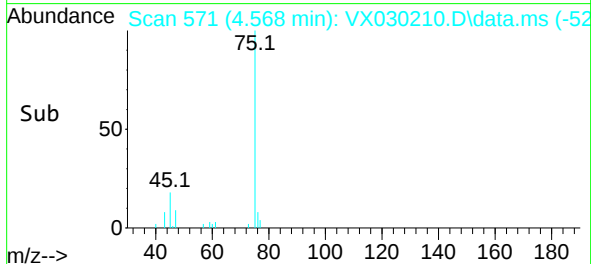
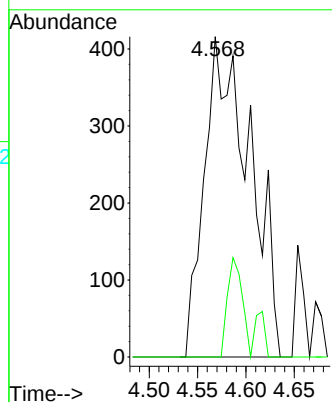
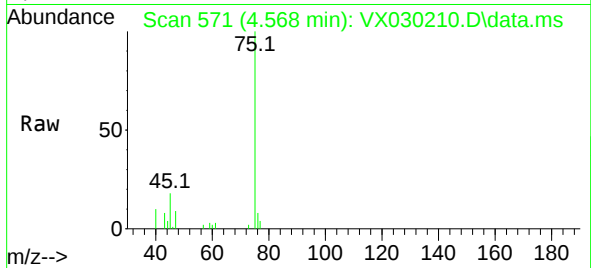




#25
2-Butanone
Concen: 0.544 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

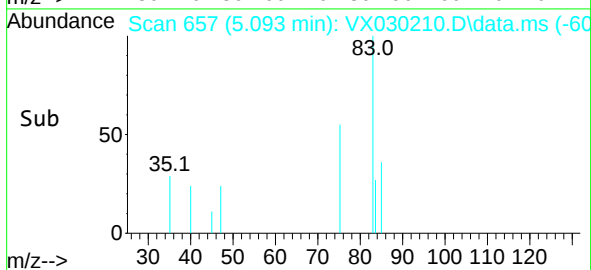
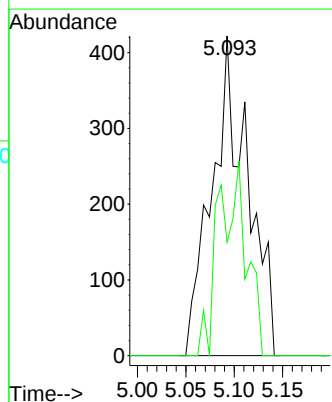
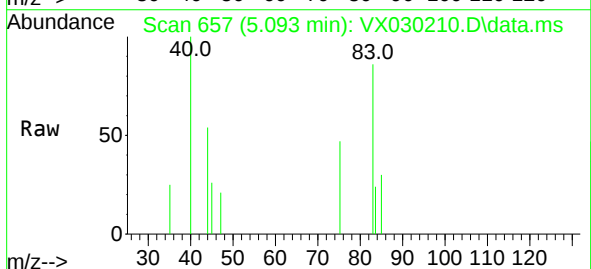
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ClientSampleId :
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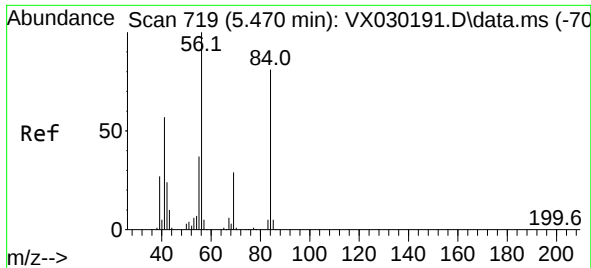
Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#30
Chloroform
Concen: 0.234 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.005 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 83 Resp: 1079
Ion Ratio Lower Upper
83 100
85 27.9 51.5 77.3#

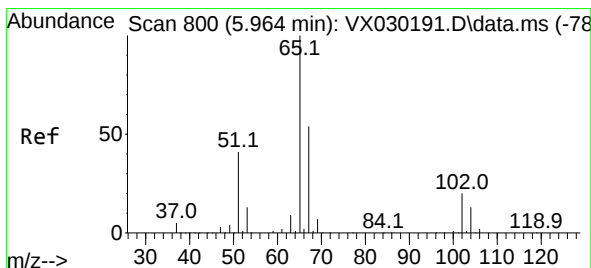
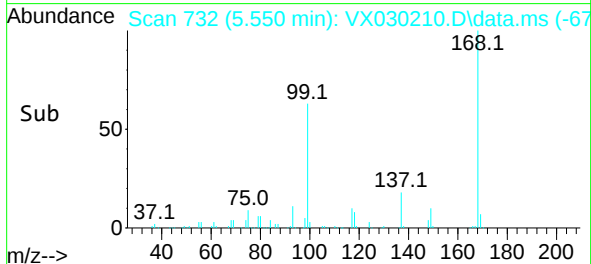
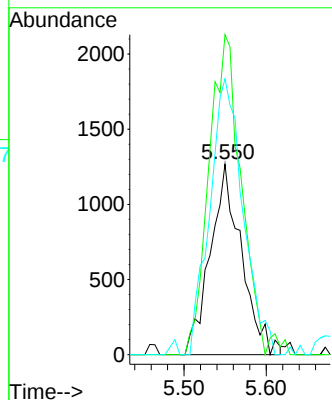
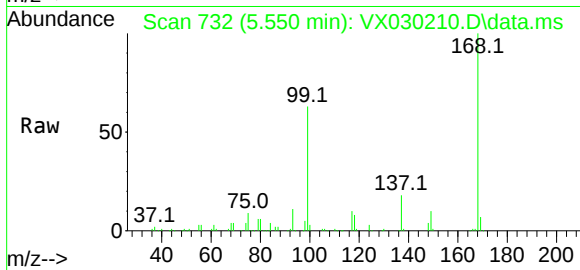




#31
Cyclohexane
Concen: 0.796 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

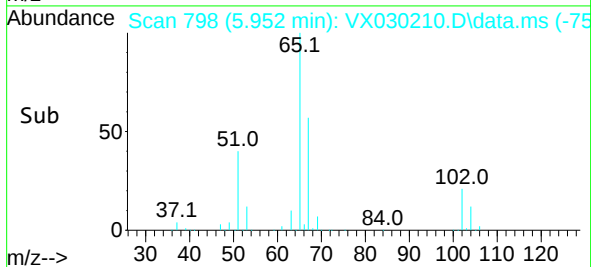
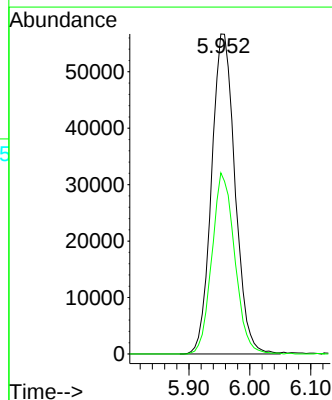
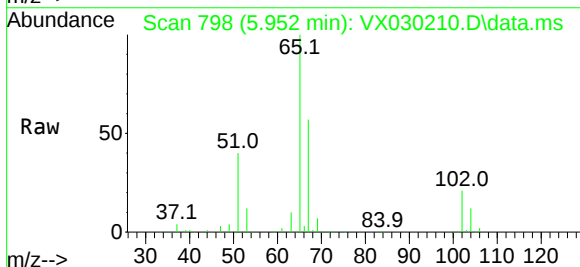
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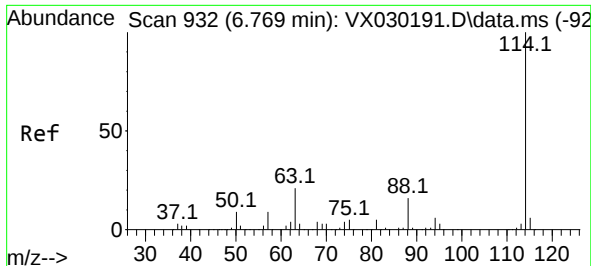
Tgt Ion: 56 Resp: 3343
Ion Ratio Lower Upper
56 100
69 167.9 25.4 38.0#
84 144.7 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 52.505 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.012 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 65 Resp: 151886
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.6

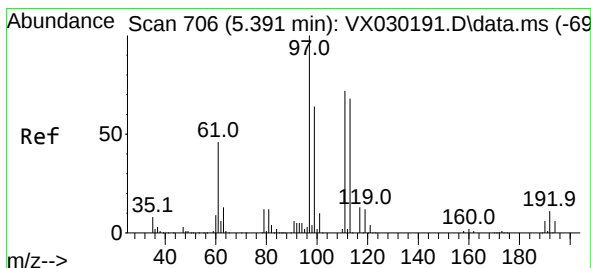
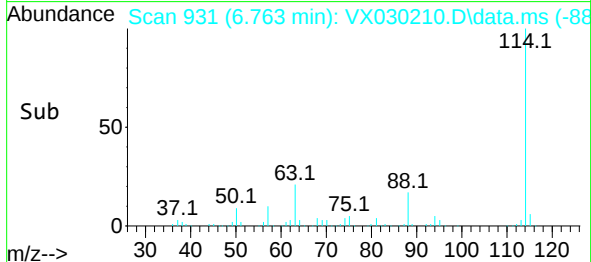
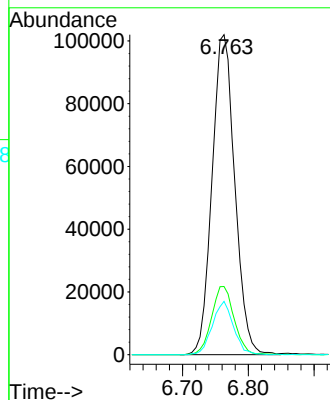
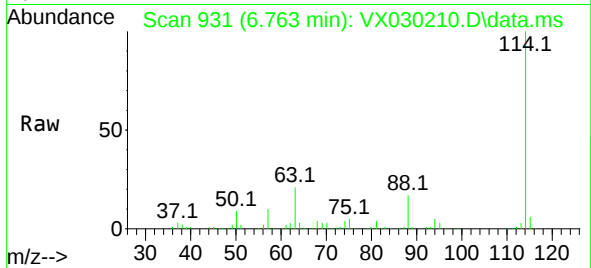




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

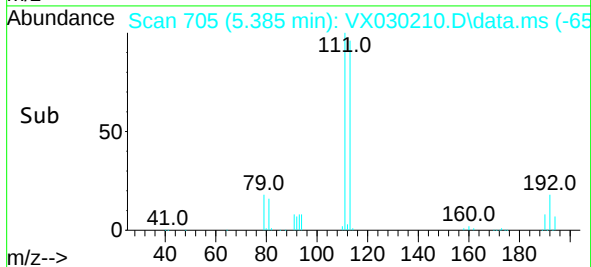
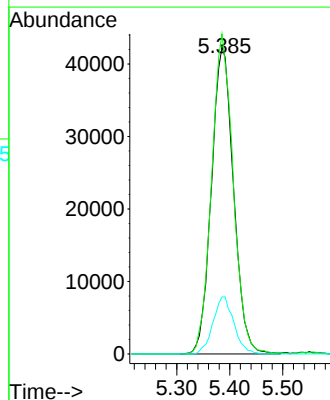
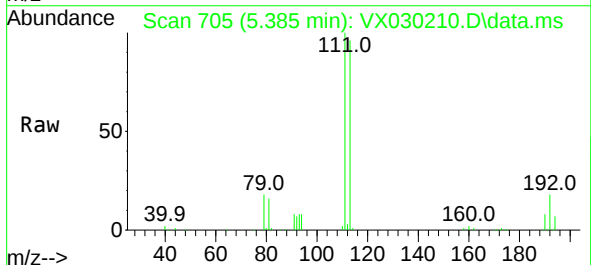
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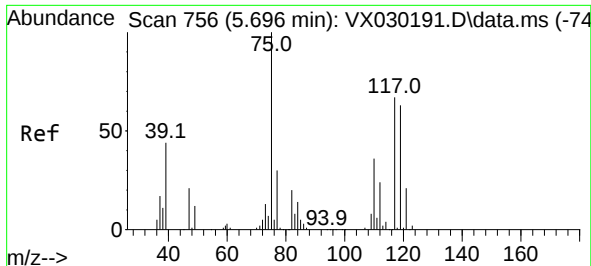
Tgt Ion:114 Resp: 245553
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.4
88 16.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.174 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion:113 Resp: 122471
Ion Ratio Lower Upper
113 100
111 102.1 83.2 124.8
192 17.6 14.8 22.2

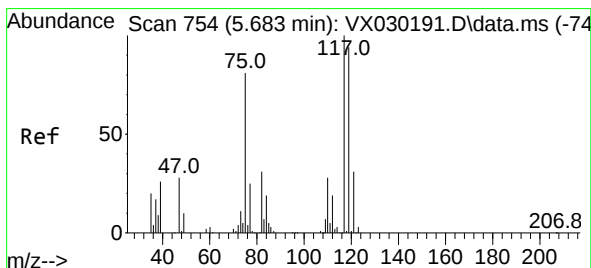
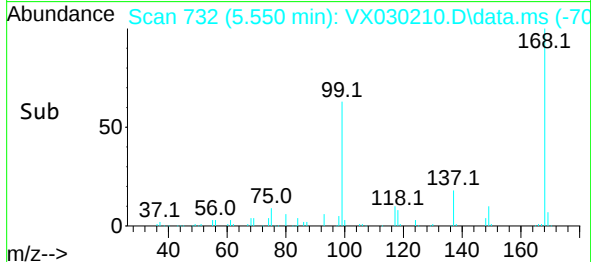
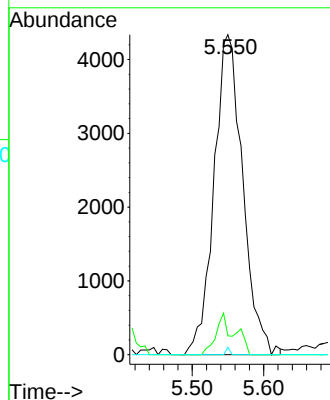
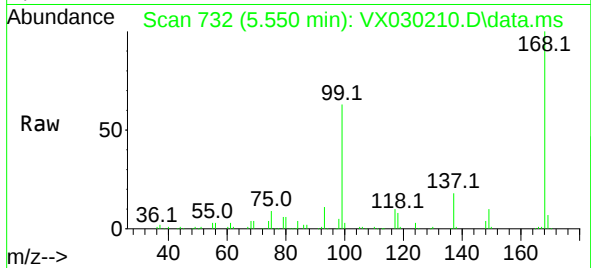




#36
1,1-Dichloropropene
Concen: 3.575 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

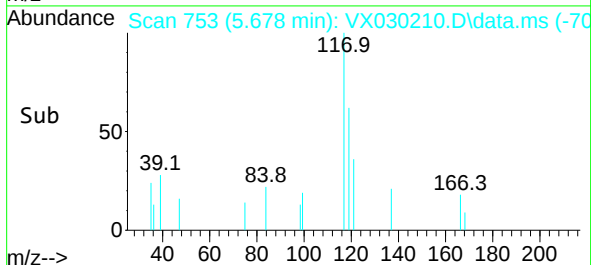
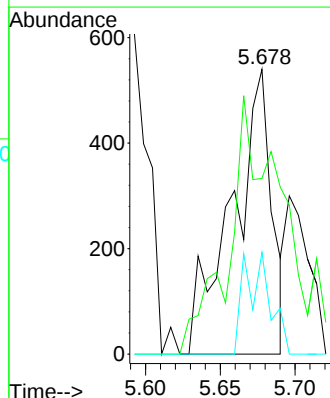
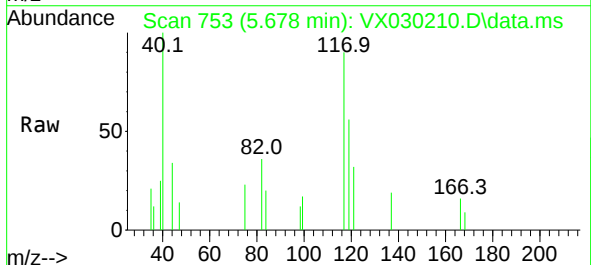
Instrument :
MSVOA_X
ClientSampleId :
SPC-02-84

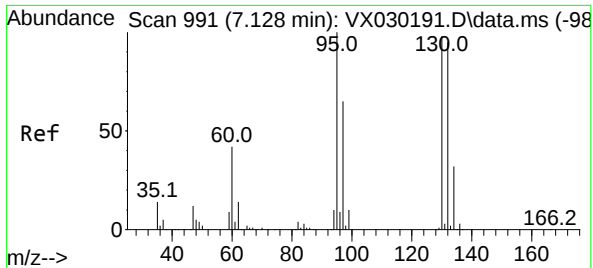
Tgt Ion: 75 Resp: 12077
Ion Ratio Lower Upper
75 100
110 5.8 19.3 57.9#
77 0.3 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.315 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.005 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 117 Resp: 992
Ion Ratio Lower Upper
117 100
119 61.7 74.1 111.1#
121 35.7 25.8 38.8

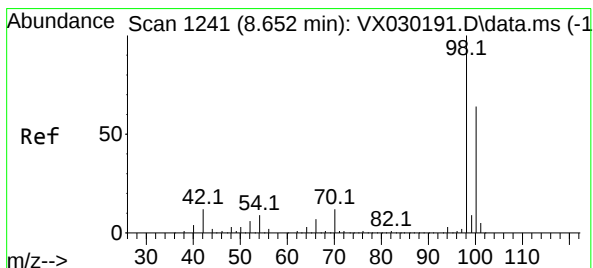
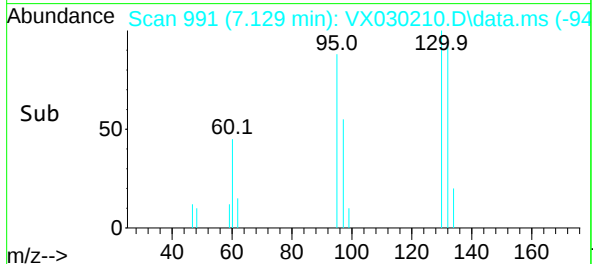
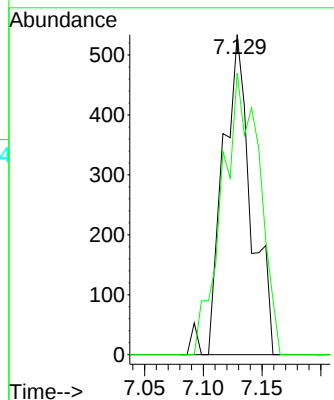
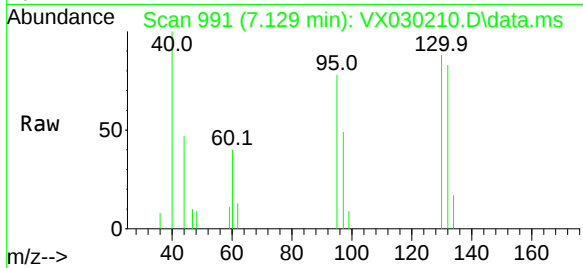




#44
 Trichloroethene
 Concen: 0.306 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.001 min
 Lab File: VX030210.D
 Acq: 26 Jul 2022 15:16

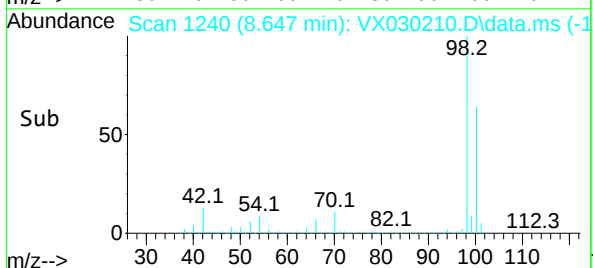
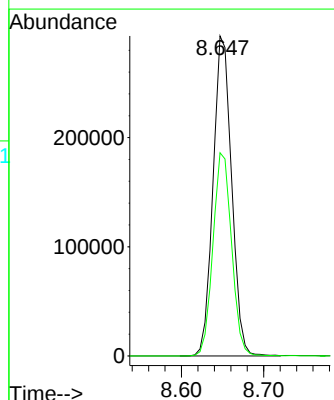
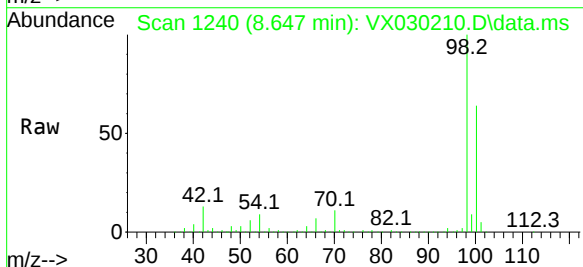
Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-02-84

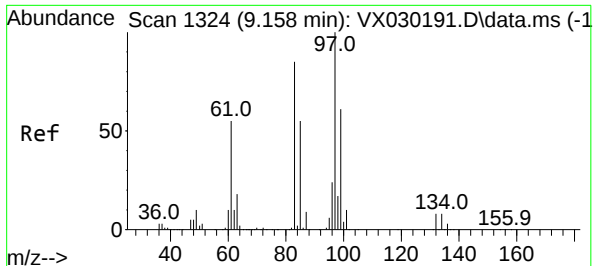
Tgt Ion:130 Resp: 890
 Ion Ratio Lower Upper
 130 100
 95 88.0 0.0 194.8



#50
 Toluene-d8
 Concen: 50.588 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.005 min
 Lab File: VX030210.D
 Acq: 26 Jul 2022 15:16

Tgt Ion: 98 Resp: 459874
 Ion Ratio Lower Upper
 98 100
 100 63.8 52.3 78.5





#55

1,1,2-Trichloroethane

Concen: 0.699 ug/l

RT: 9.269 min Scan# 1

Delta R.T. 0.111 min

Lab File: VX030210.D

Acq: 26 Jul 2022 15:16

Instrument :

MSVOA_X

ClientSampleId :

SPC-02-84

Tgt Ion: 97 Resp: 1929

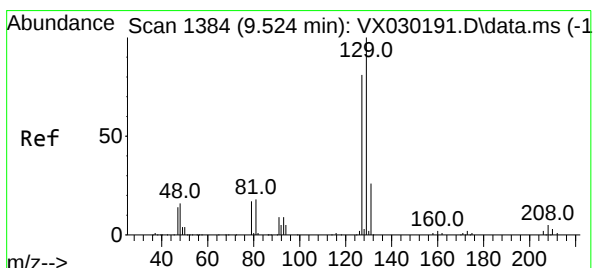
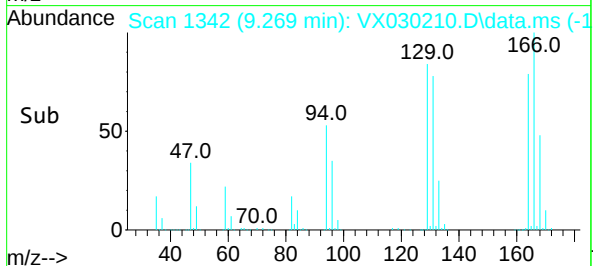
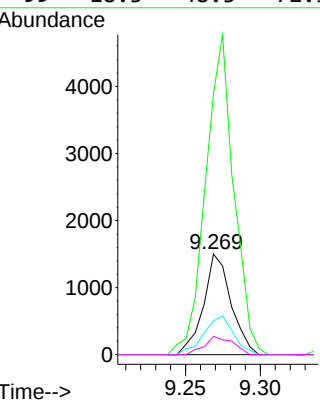
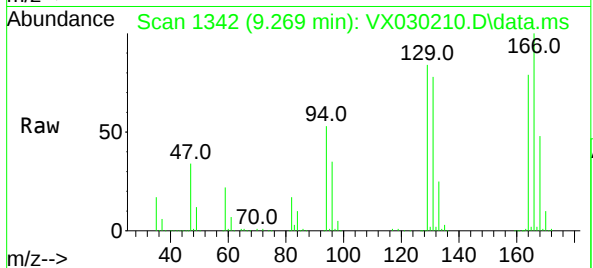
Ion Ratio Lower Upper

97 100

83 259.6 68.9 103.3#

85 33.7 44.0 66.0#

99 18.3 48.3 72.5#



#60

Dibromochloromethane

Concen: 83.469 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.249 min

Lab File: VX030210.D

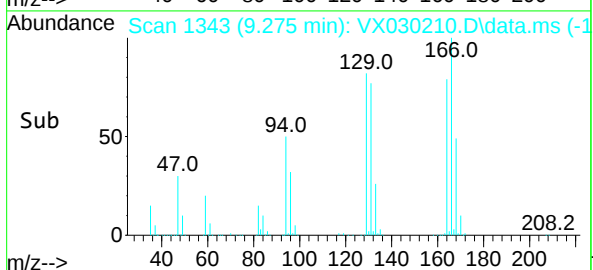
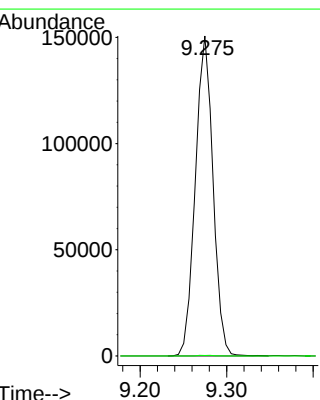
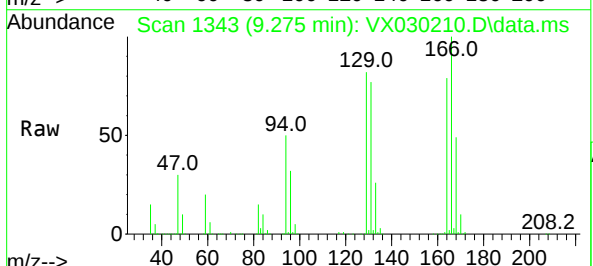
Acq: 26 Jul 2022 15:16

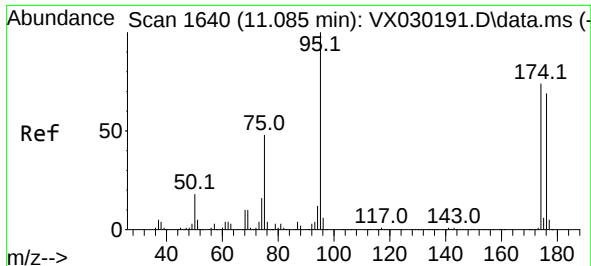
Tgt Ion:129 Resp: 213332

Ion Ratio Lower Upper

129 100

127 0.2 38.5 115.5#

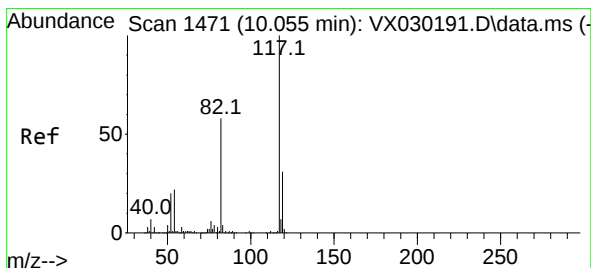
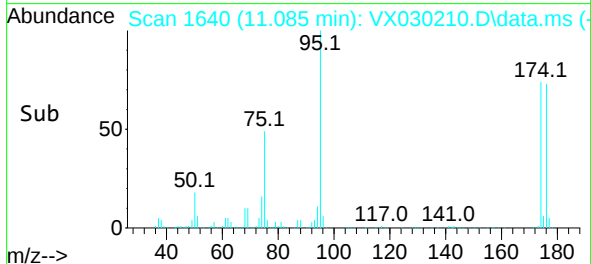
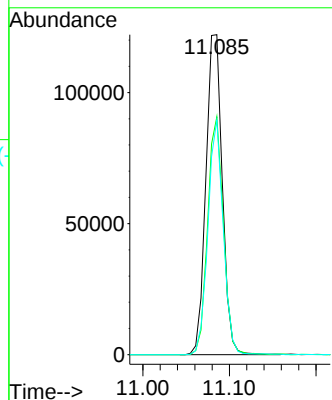
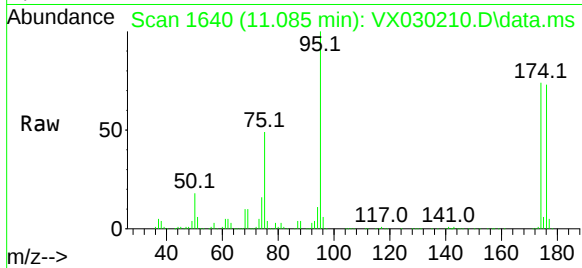




#62
4-Bromofluorobenzene
Concen: 47.659 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

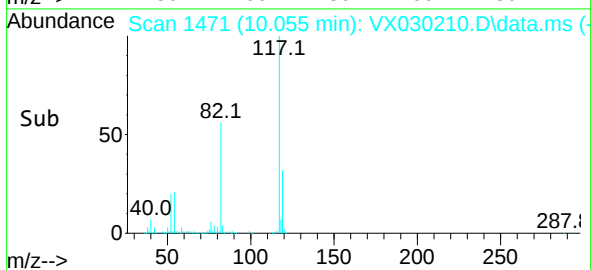
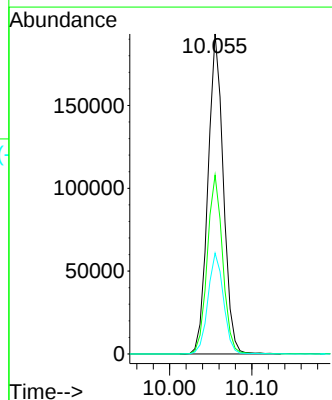
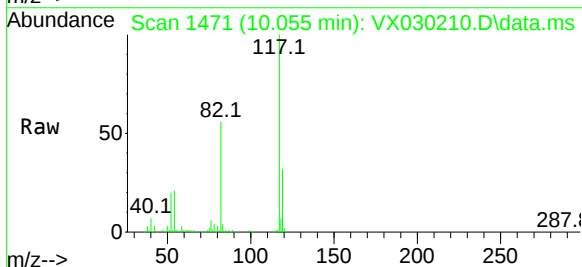
Instrument :
MSVOA_X
ClientSampleId :
SPC-02-84

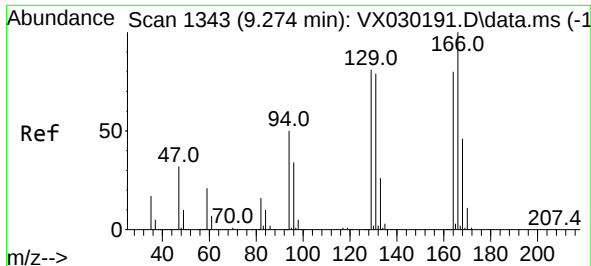
Tgt Ion: 95 Resp: 160789
Ion Ratio Lower Upper
95 100
174 71.2 0.0 149.0
176 68.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

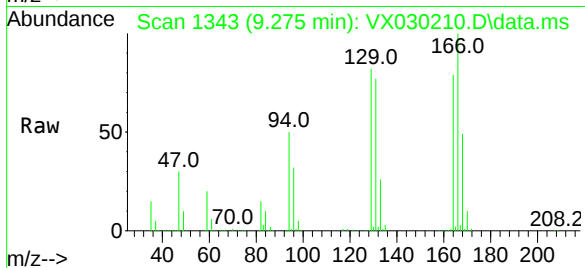
Tgt Ion: 117 Resp: 251281
Ion Ratio Lower Upper
117 100
82 55.9 42.7 64.1
119 31.5 25.4 38.2



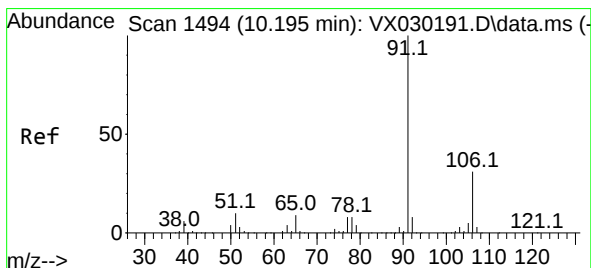
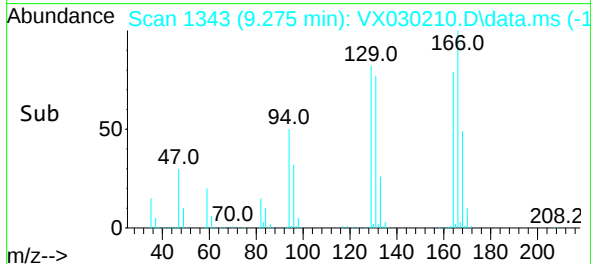
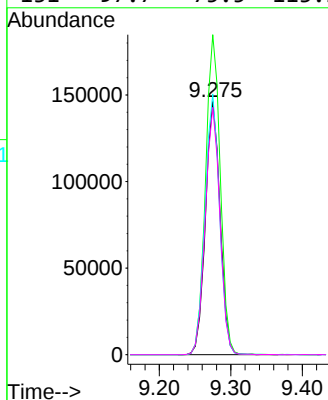


#64
Tetrachloroethene
Concen: 76.735 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Instrument :
MSVOA_X
ClientSampleId :
SPC-02-84

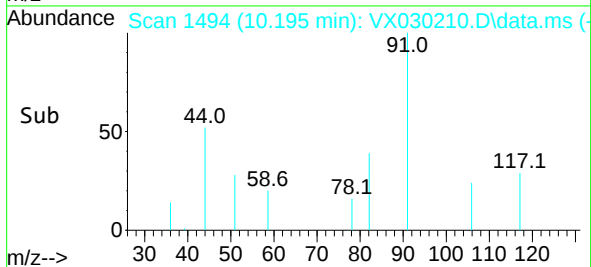
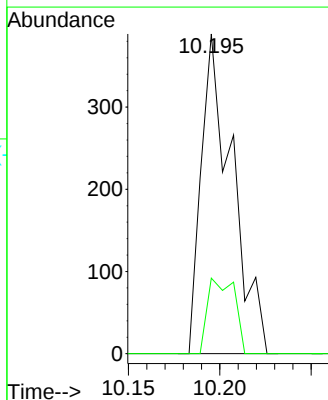
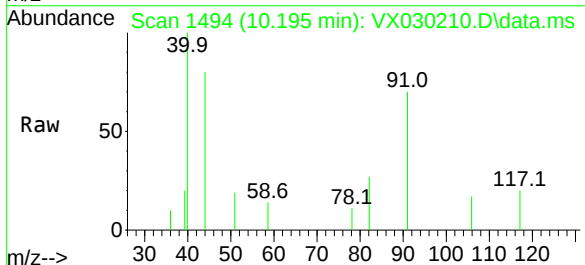


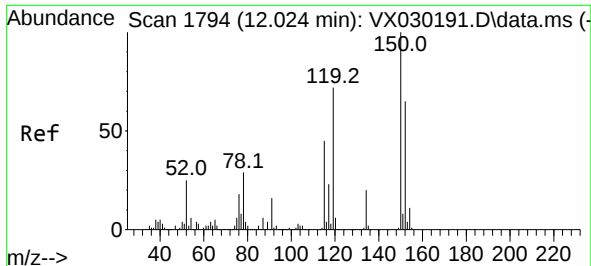
Tgt Ion:164 Resp: 207586
Ion Ratio Lower Upper
164 100
166 126.4 98.2 147.4
129 103.1 80.8 121.2
131 97.7 75.5 113.3



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 91 Resp: 456
Ion Ratio Lower Upper
91 100
106 23.7 25.5 38.3#

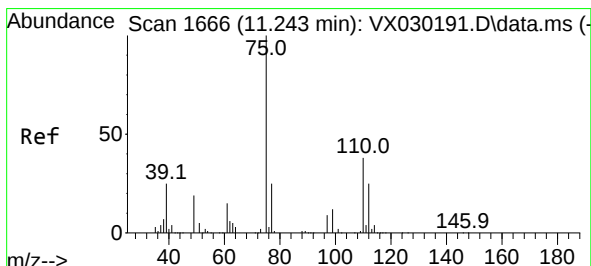
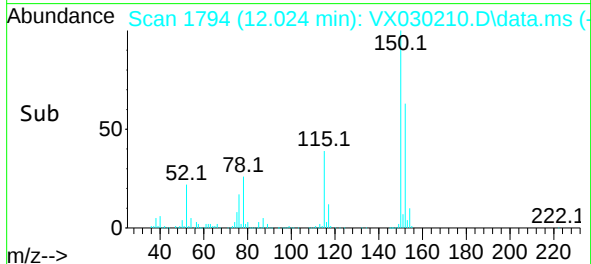
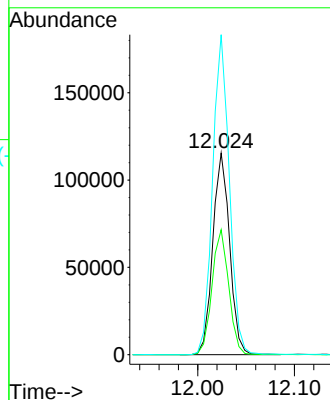
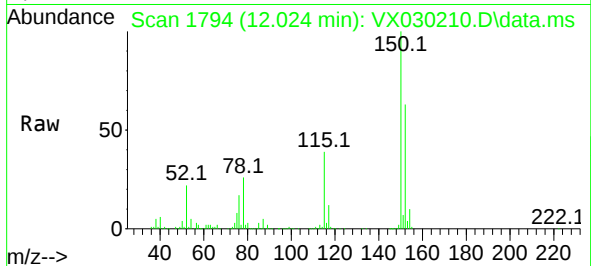




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

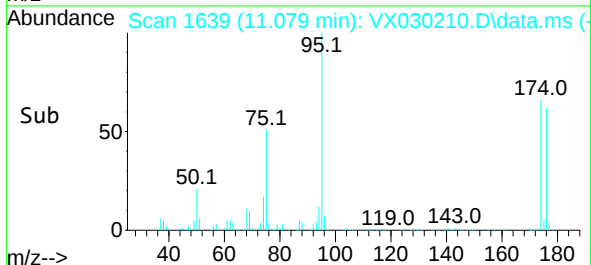
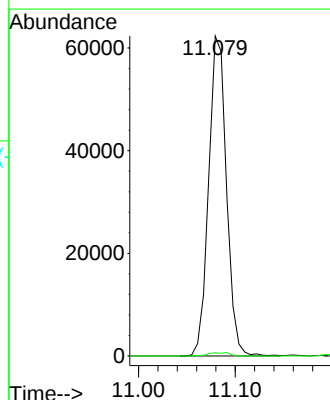
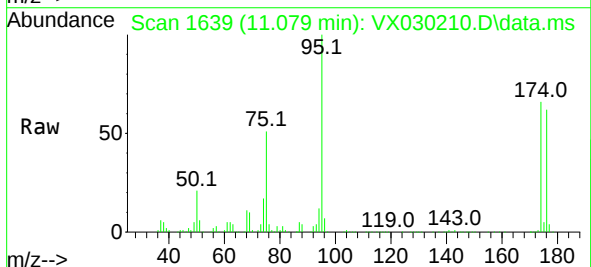
Instrument :
MSVOA_X
ClientSampleId :
SPC-02-84

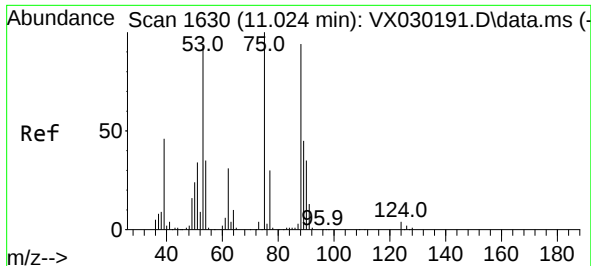
Tgt Ion:152 Resp: 139665
Ion Ratio Lower Upper
152 100
115 61.5 40.5 121.5
150 157.9 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 21.642 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 75 Resp: 79674
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#

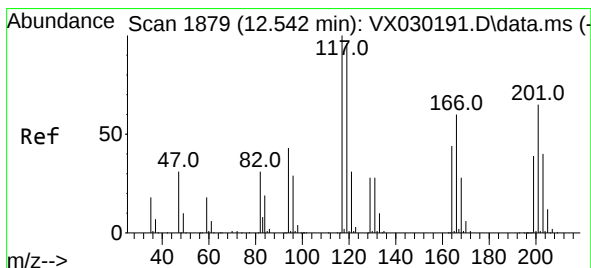
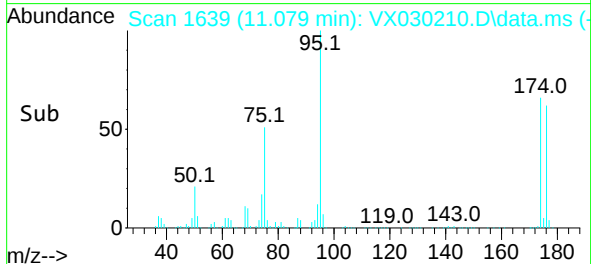
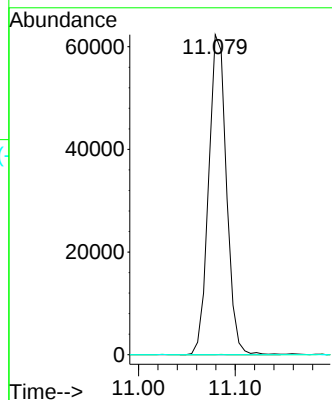
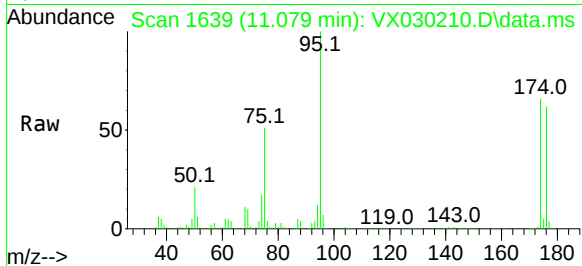




#81
trans-1,4-Dichloro-2-butene
Concen: 64.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

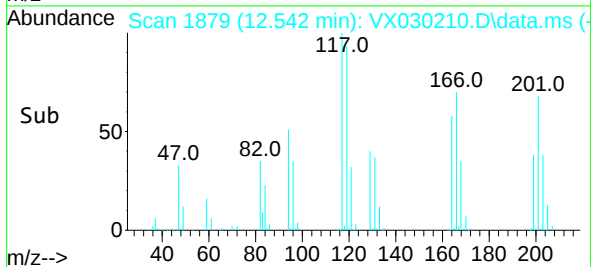
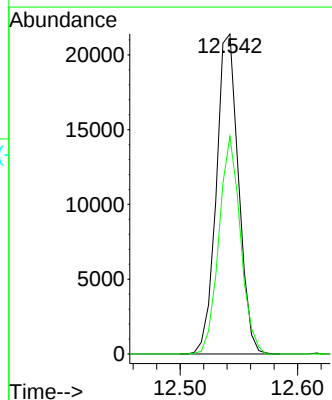
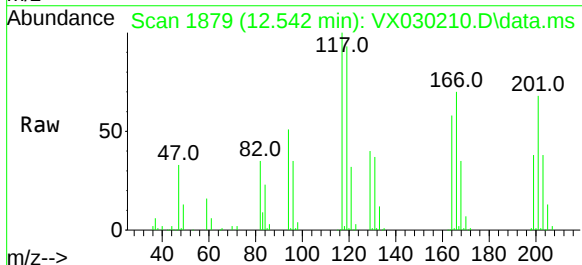
Instrument :
MSVOA_X
ClientSampleId :
SPC-02-84

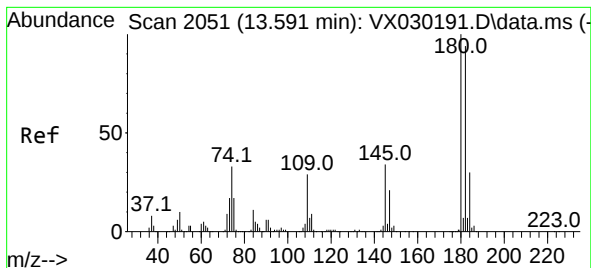
Tgt Ion: 75 Resp: 79674
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#90
Hexachloroethane
Concen: 17.606 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX030210.D
Acq: 26 Jul 2022 15:16

Tgt Ion: 117 Resp: 28089
Ion Ratio Lower Upper
117 100
201 65.9 34.2 102.5





#93

1,2,4-Trichlorobenzene

Concen: 0.239 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX030210.D

Acq: 26 Jul 2022 15:16

Instrument :

MSVOA_X

ClientSampleId :

SPC-02-84

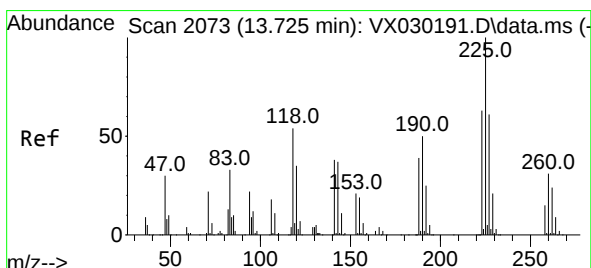
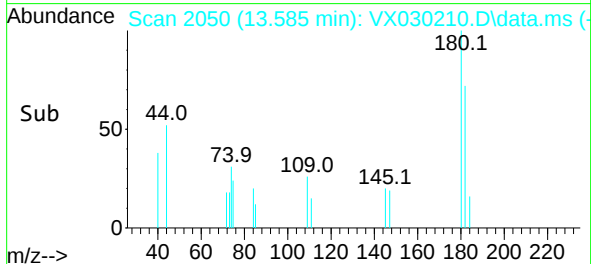
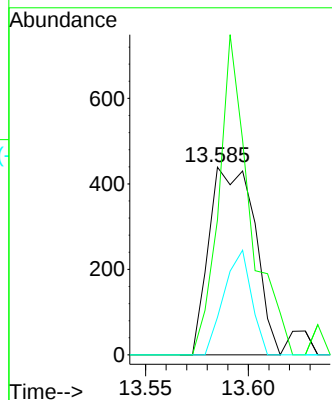
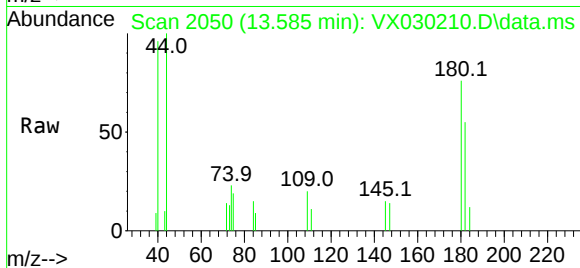
Tgt Ion:180 Resp: 678

Ion Ratio Lower Upper

180 100

182 116.4 48.2 144.6

145 33.6 15.9 47.6



#94

Hexachlorobutadiene

Concen: 0.301 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX030210.D

Acq: 26 Jul 2022 15:16

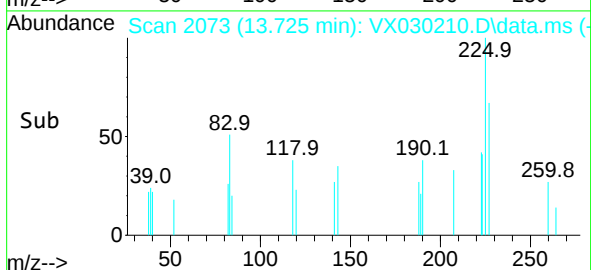
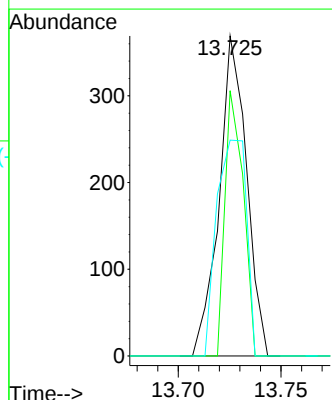
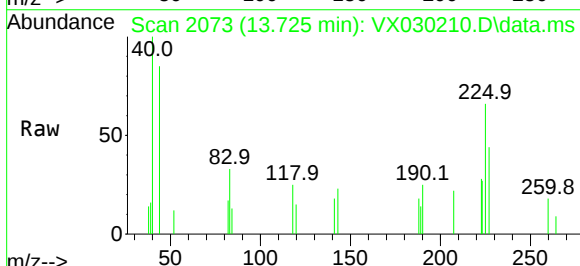
Tgt Ion:225 Resp: 342

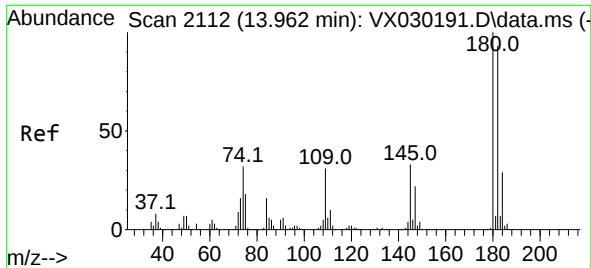
Ion Ratio Lower Upper

225 100

223 55.3 30.6 91.6

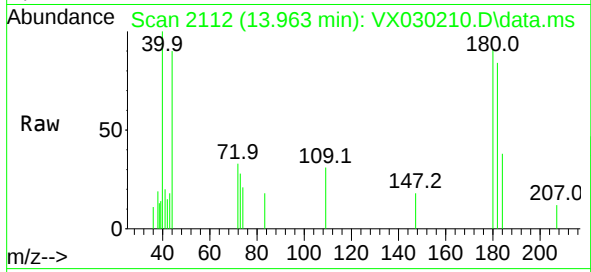
227 73.1 31.9 95.9





#96
 1,2,3-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.001 min
 Lab File: VX030210.D
 Acq: 26 Jul 2022 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-02-84



Tgt Ion:	180	Resp:	602
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.0	141.0
145	5.5	17.0	50.9#

