

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
 Data File : VX030036.D
 Acq On : 13 Jul 2022 11:47
 Operator : JC/MD
 Sample : N3691-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-02B-18.7-23.7-071222

Quant Time: Jul 14 04:54:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

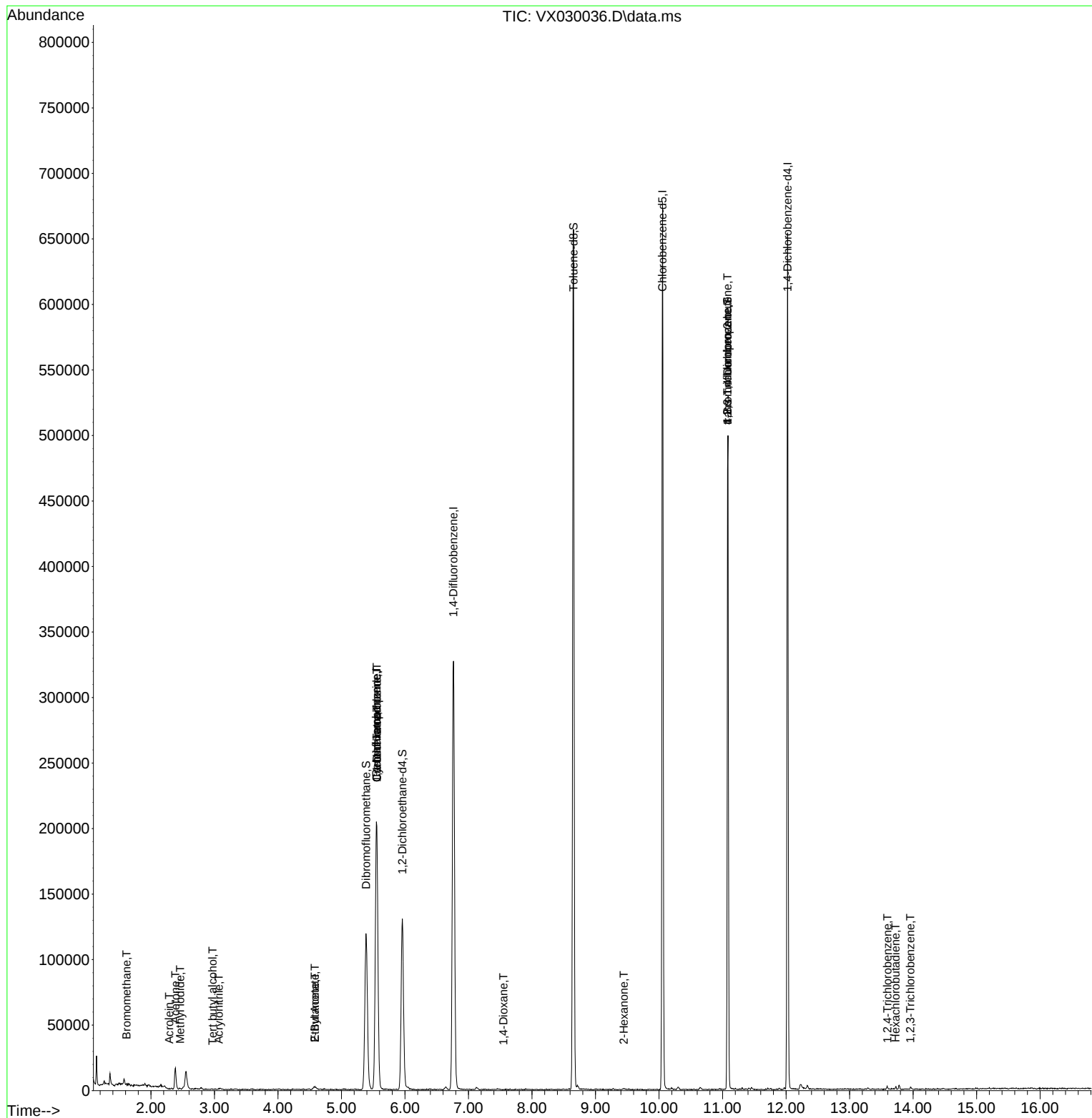
Internal Standards						
1) Pentafluorobenzene	5.550	168	208119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	362711	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	312766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	114147	45.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.120%		
35) Dibromofluoromethane	5.385	113	105203	45.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.800%		
50) Toluene-d8	8.653	98	413066	47.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.800%		
62) 4-Bromofluorobenzene	11.079	95	135237	44.718	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	30	Below Cal	#	42
5) Bromomethane	1.617	94	267	0.261	ug/l #	59
10) Methyl Iodide	2.459	142	736	2.744	ug/l #	88
11) Tert butyl alcohol	2.971	59	351	0.537	ug/l #	74
13) Acrolein	2.288	56	63	0.484	ug/l #	14
15) Acrylonitrile	3.068	53	332	0.223	ug/l #	57
16) Acetone	2.386	43	16475	13.802	ug/l	99
17) Carbon Disulfide	2.507	76	2011	Below Cal		95
20) Methylene Chloride	2.788	84	549	Below Cal	#	59
25) 2-Butanone	4.580	43	3659	1.800	ug/l	91
31) Cyclohexane	5.556	56	4207	1.146	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	15173	5.070	ug/l #	48
37) Ethyl Acetate	4.580	43	3659	0.951	ug/l #	68
38) Carbon Tetrachloride	5.556	117	19751	7.076	ug/l #	17
49) 1,4-Dioxane	7.549	88	44	0.635	ug/l #	1
59) 2-Hexanone	9.445	43	744	0.254	ug/l	78
76) 1,2,3-Trichloropropane	11.079	75	62804	20.058	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62804	57.888	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.597	180	624	0.228	ug/l #	81
94) Hexachlorobutadiene	13.725	225	261	0.239	ug/l	75
96) 1,2,3-Trichlorobenzene	13.957	180	596	0.214	ug/l	76

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

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Quant Time: Jul 14 04:54:51 2022
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Quant Title : SW846 8260
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Response via : Initial Calibration

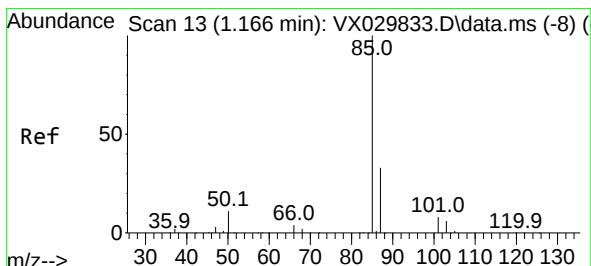
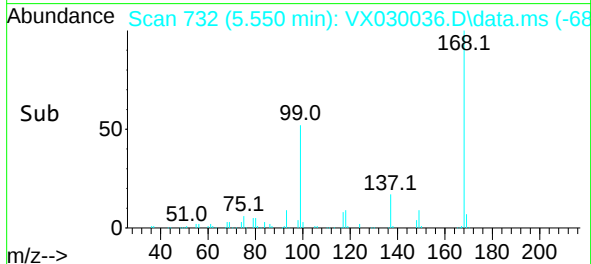
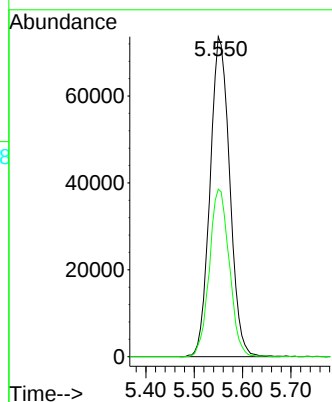
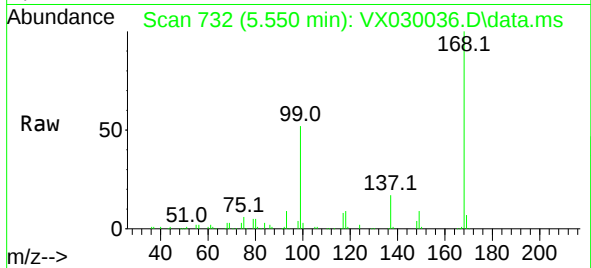




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

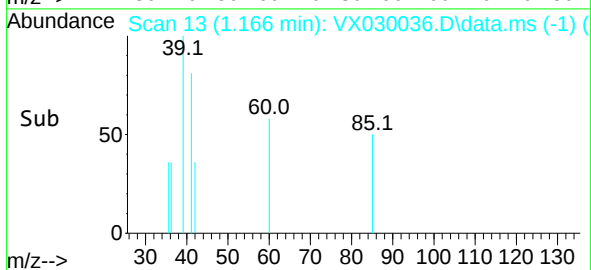
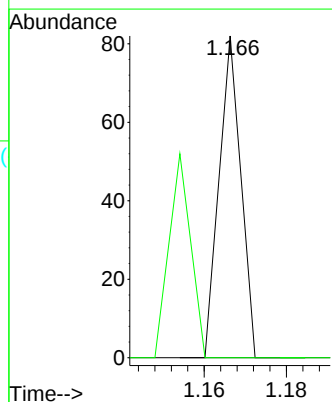
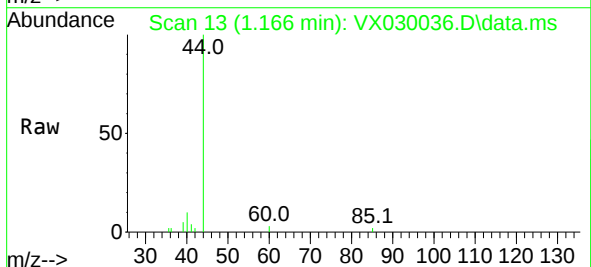
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

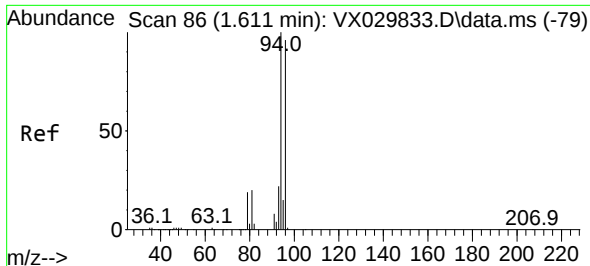
Tgt Ion:168 Resp: 208119
Ion Ratio Lower Upper
168 100
99 52.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 85 Resp: 30
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

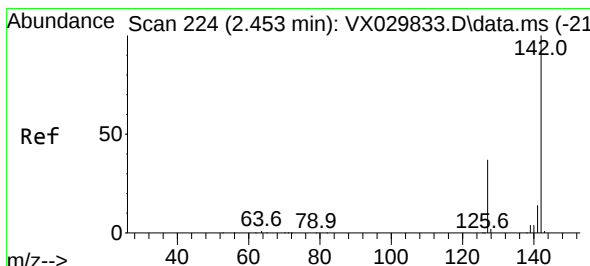
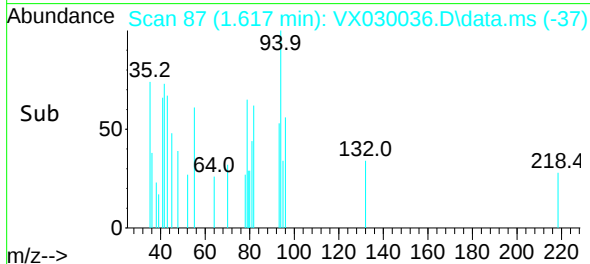
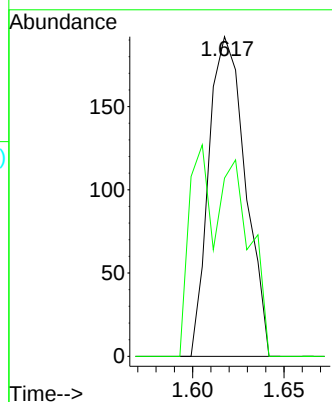
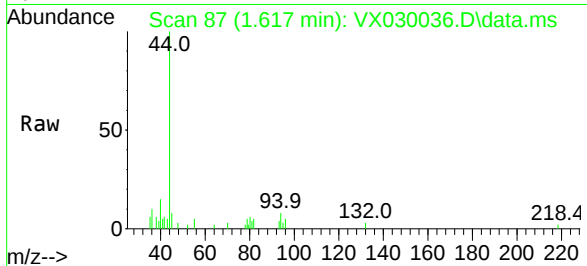




#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

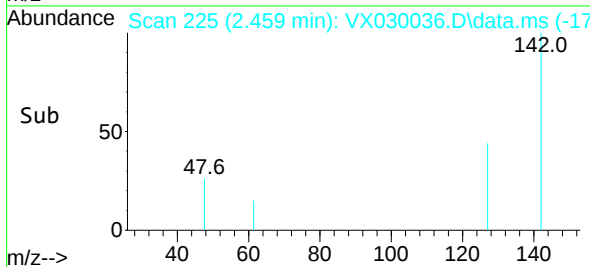
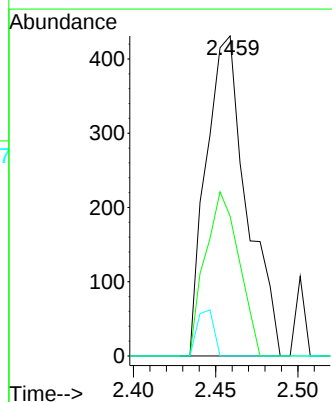
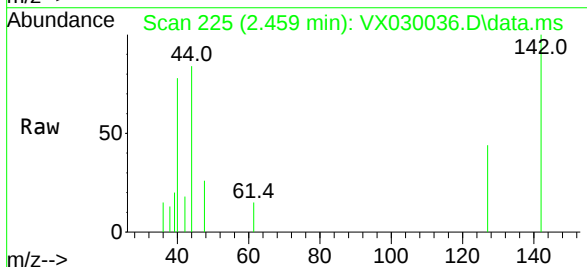
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 55.7 76.9 115.3#



#10
Methyl Iodide
Concen: 2.744 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 142 Resp: 736
Ion Ratio Lower Upper
142 100
127 42.8 30.2 45.2
141 6.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.537 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX030036.D

Acq: 13 Jul 2022 11:47

Instrument :

MSVOA_X

ClientSampleId :

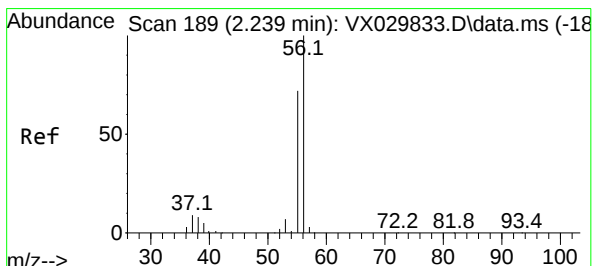
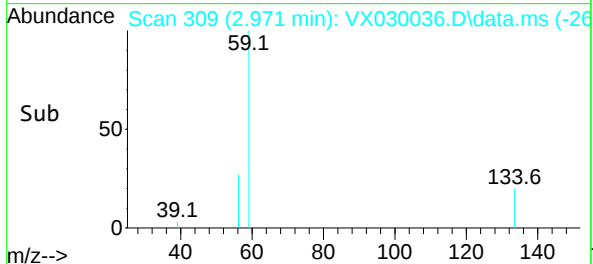
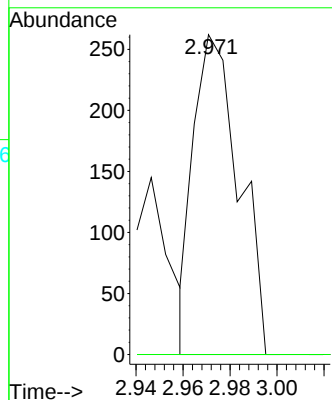
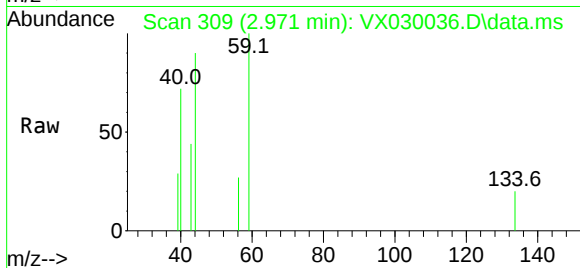
OW-02B-18.7-23.7-071222

Tgt Ion: 59 Resp: 351

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.484 ug/l

RT: 2.288 min Scan# 197

Delta R.T. 0.049 min

Lab File: VX030036.D

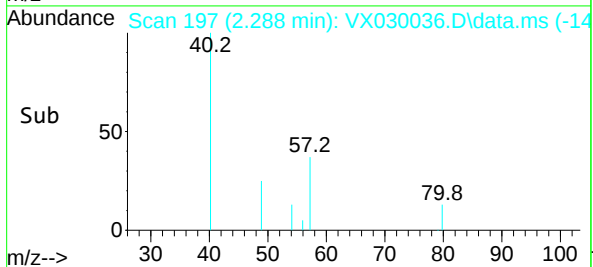
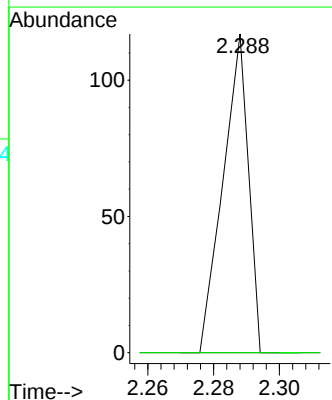
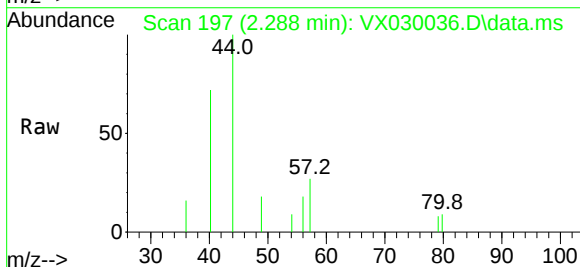
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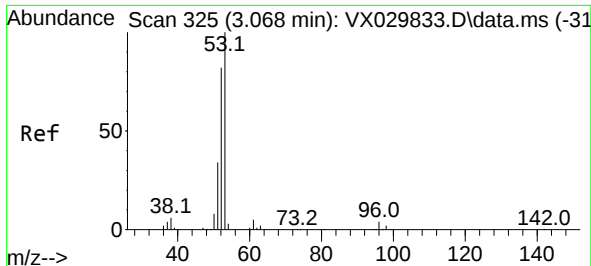
Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

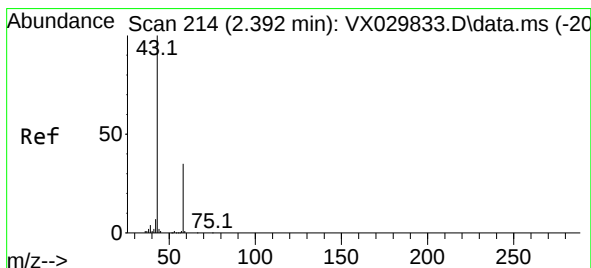
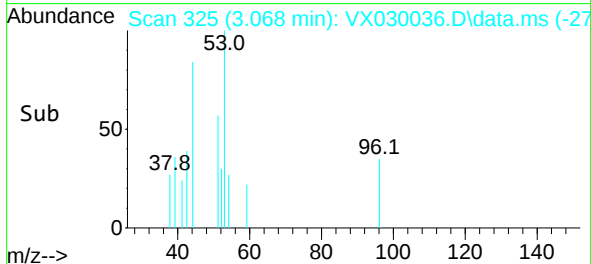
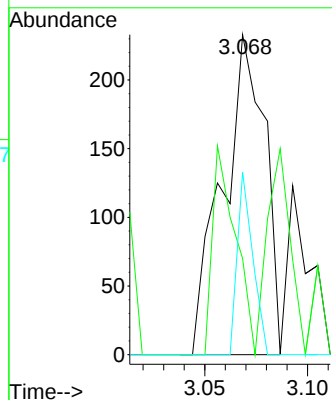
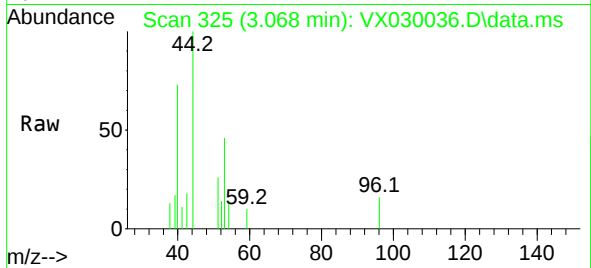




#15
Acrylonitrile
Concen: 0.223 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

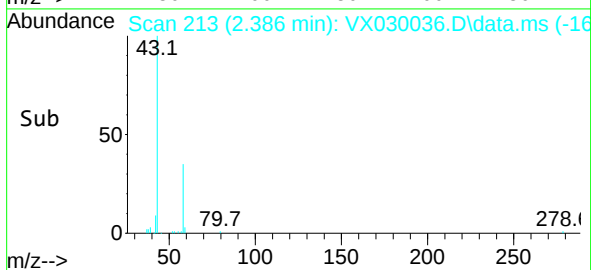
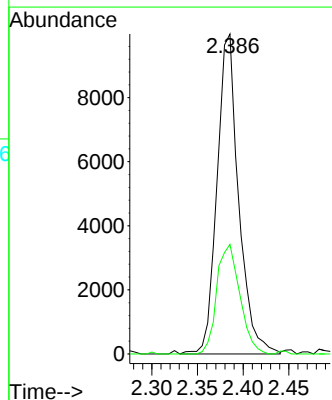
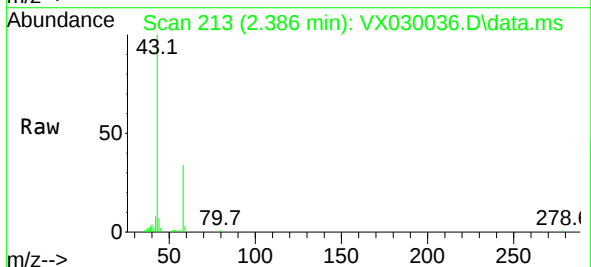
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

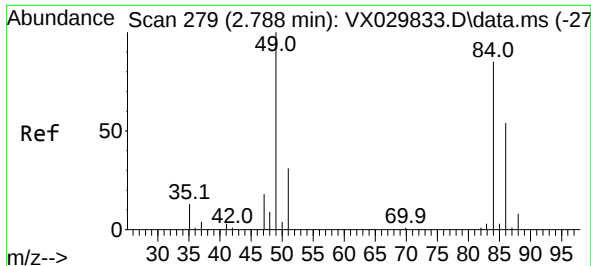
Tgt Ion: 53 Resp: 332
Ion Ratio Lower Upper
53 100
52 35.5 65.4 98.0#
51 21.1 27.7 41.5#



#16
Acetone
Concen: 13.802 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

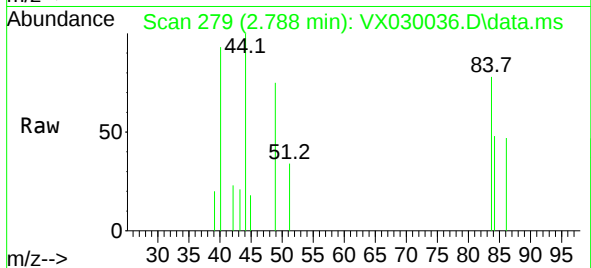
Tgt Ion: 43 Resp: 16475
Ion Ratio Lower Upper
43 100
58 34.2 27.7 41.5



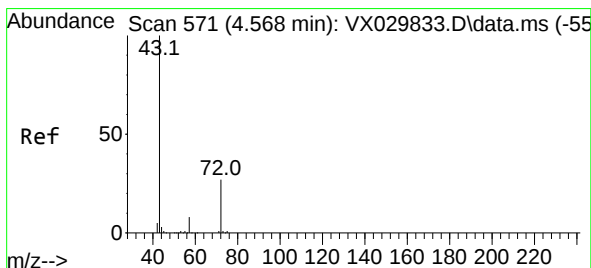
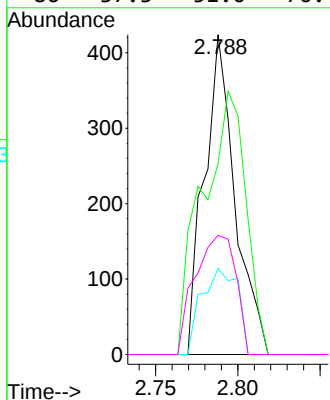
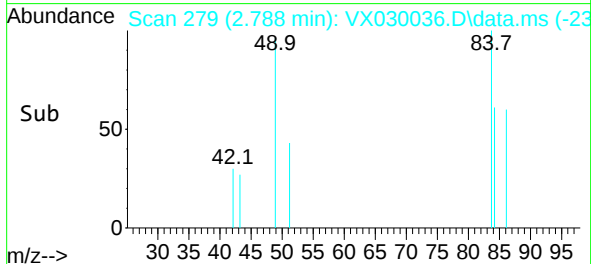


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

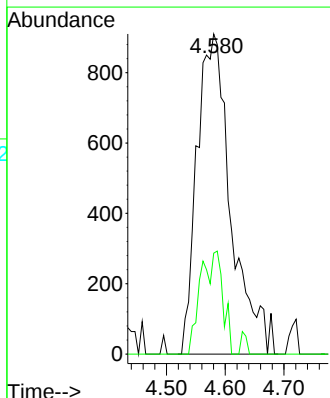
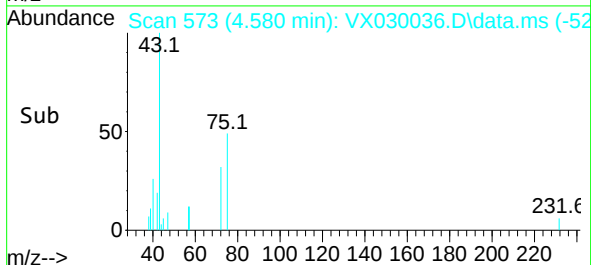
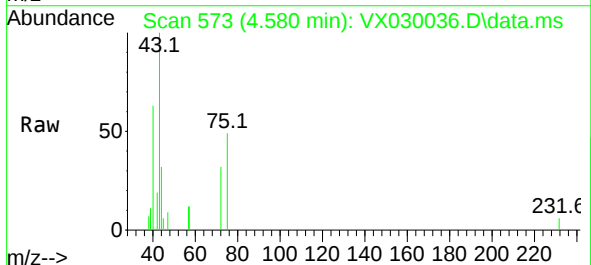


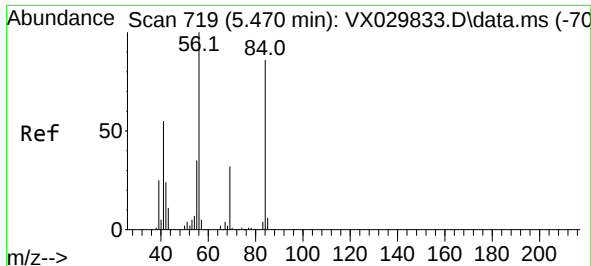
Tgt Ion: 84	Resp: 549
Ion Ratio	Lower Upper
84 100	
49 59.7	93.8 140.6#
51 26.9	29.4 44.0#
86 37.3	51.0 76.4#



#25
2-Butanone
Concen: 1.800 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

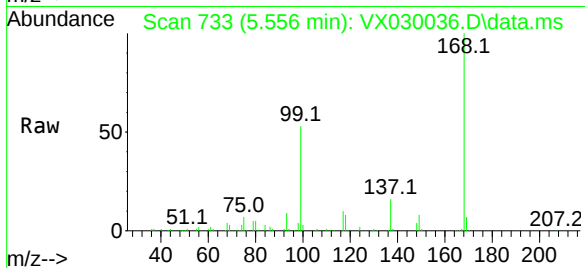
Tgt Ion: 43	Resp: 3659
Ion Ratio	Lower Upper
43 100	
72 31.5	21.7 32.5



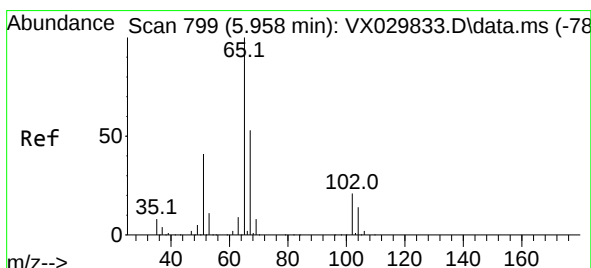
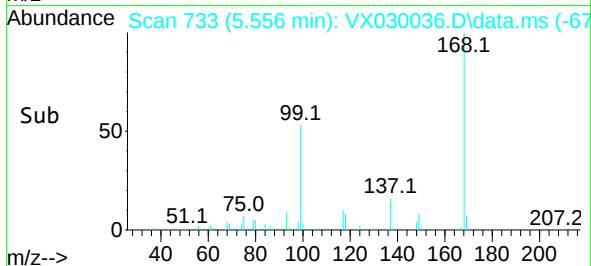
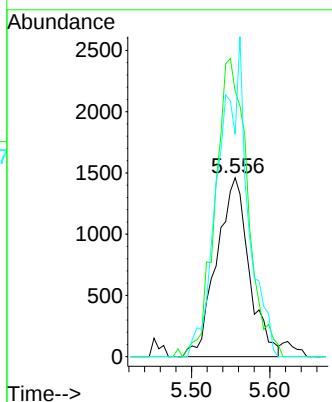


#31
Cyclohexane
Concen: 1.146 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

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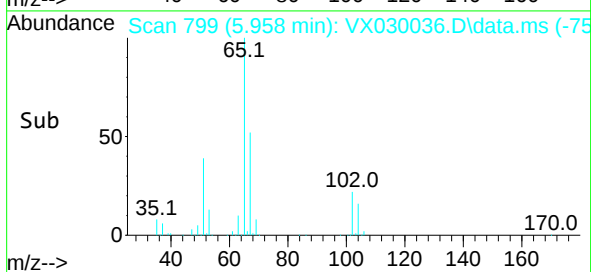
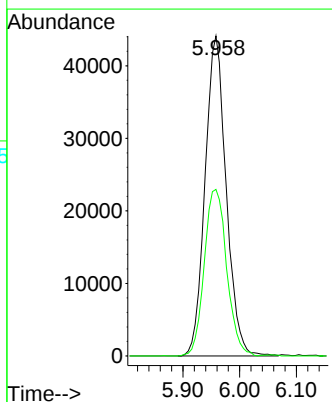
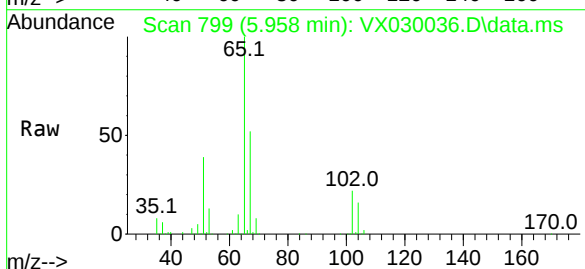


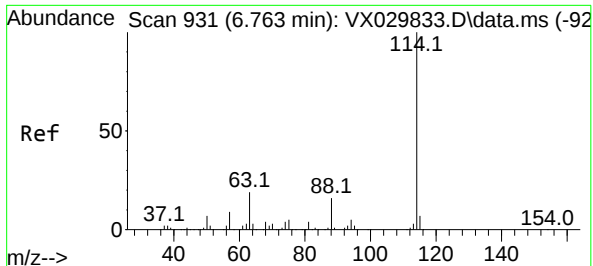
Tgt Ion: 56 Resp: 4207
Ion Ratio Lower Upper
56 100
69 144.0 25.4 38.0#
84 124.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 45.061 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 65 Resp: 114147
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.6

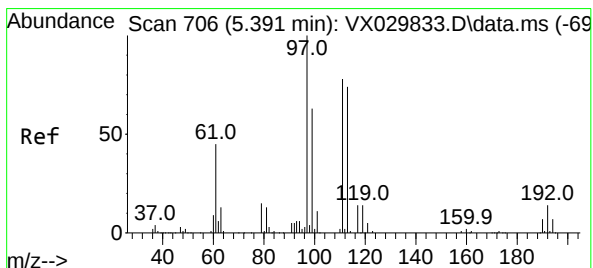
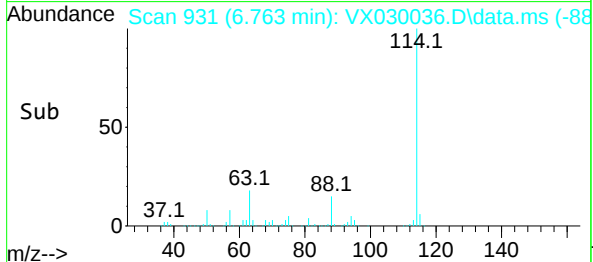
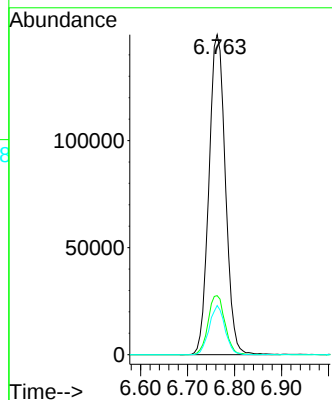
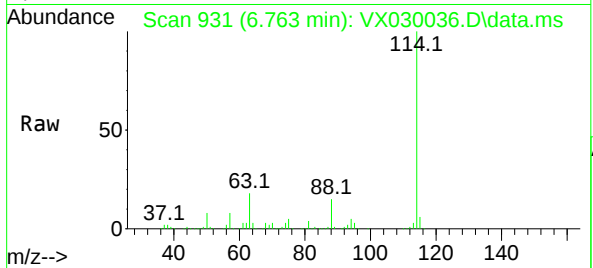




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

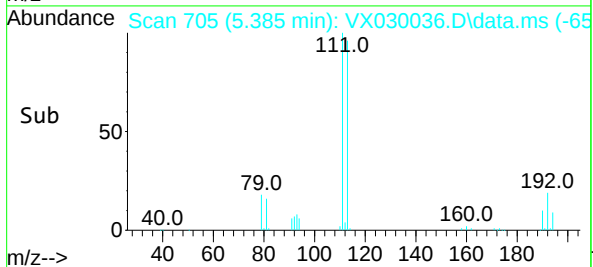
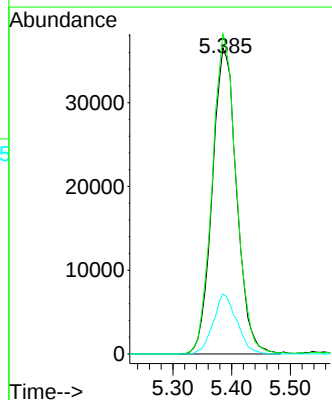
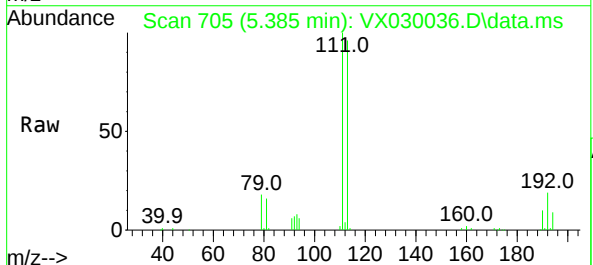
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

Tgt Ion:114 Resp: 362711
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.402 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion:113 Resp: 105203
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.9 14.8 22.2

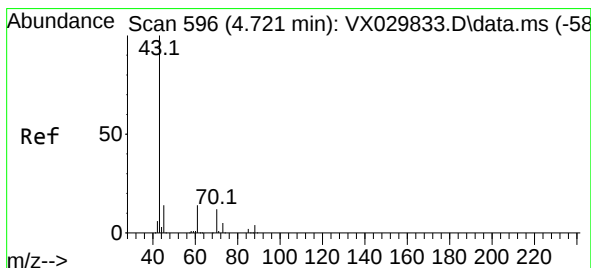
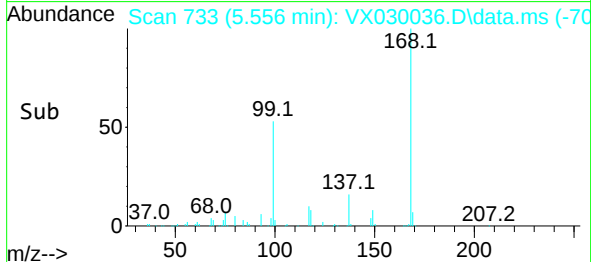
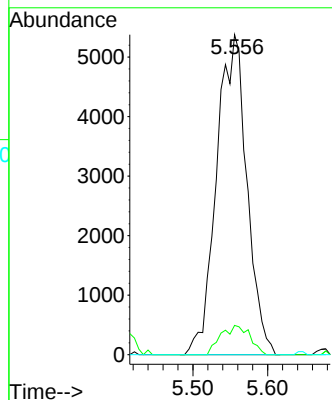
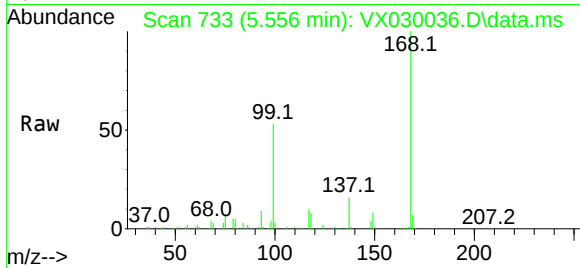




#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

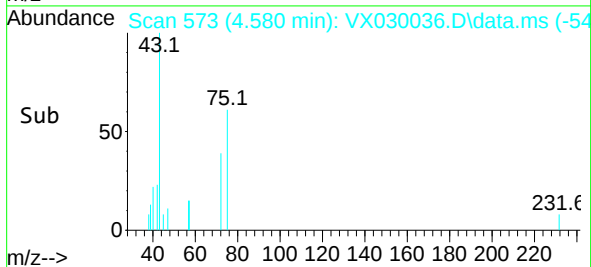
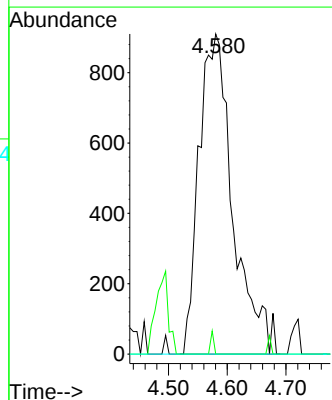
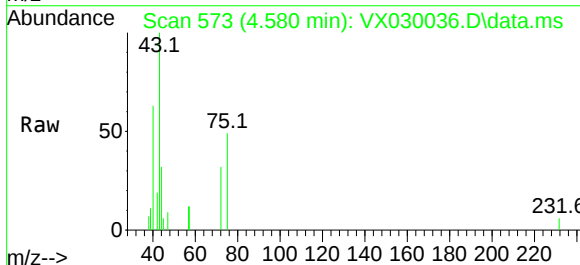
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

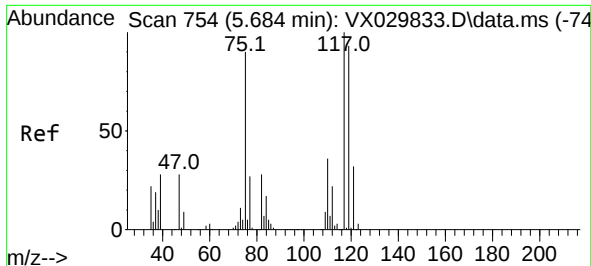
Tgt Ion: 75 Resp: 15173
Ion Ratio Lower Upper
75 100
110 8.8 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.951 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.141 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 43 Resp: 3659
Ion Ratio Lower Upper
43 100
61 0.7 11.7 17.5#
70 0.0 9.3 13.9#

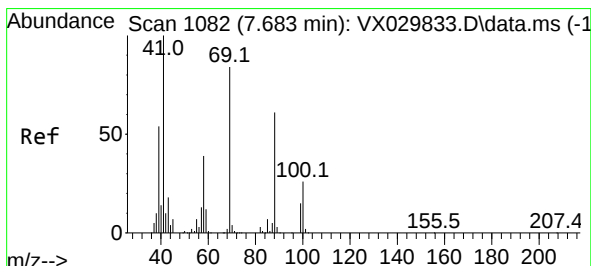
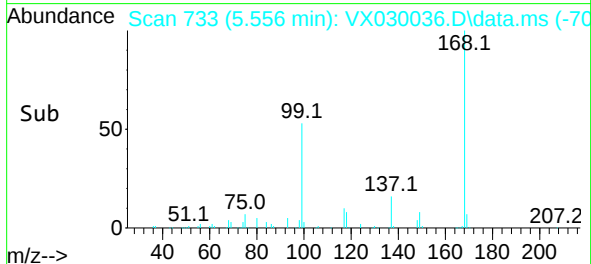
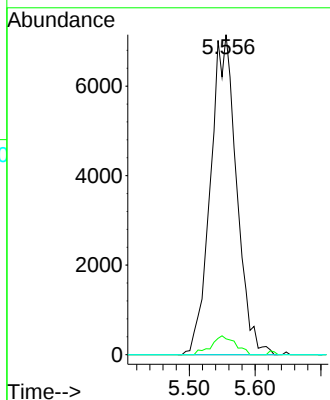
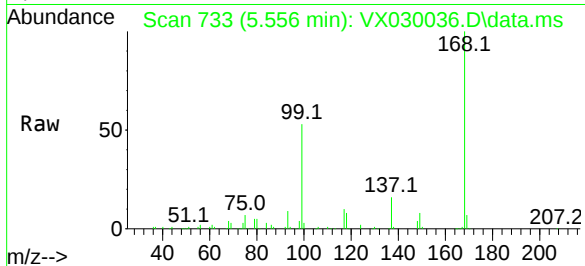




#38
Carbon Tetrachloride
Concen: 7.076 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

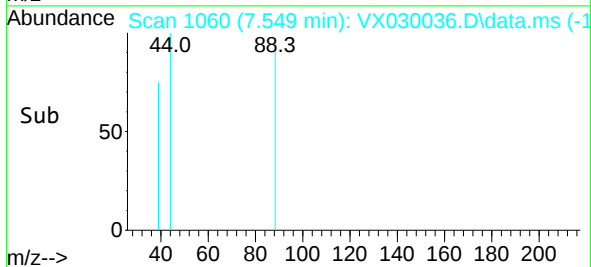
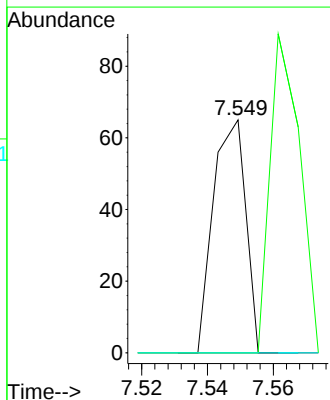
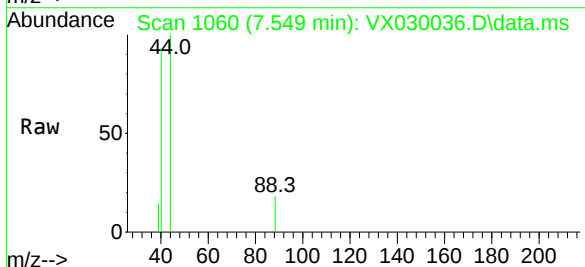
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

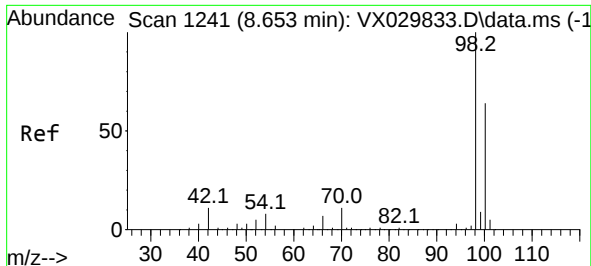
Tgt Ion:117 Resp: 19751
Ion Ratio Lower Upper
117 100
119 5.0 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.635 ug/l
RT: 7.549 min Scan# 1060
Delta R.T. -0.134 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 127.3 23.8 35.8#
58 0.0 53.8 80.6#

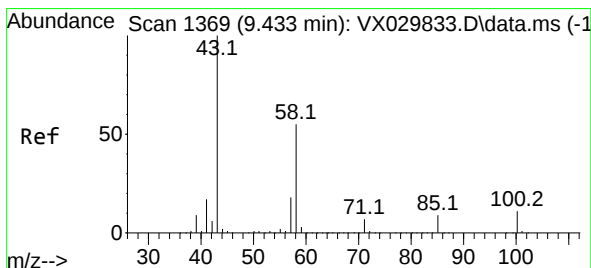
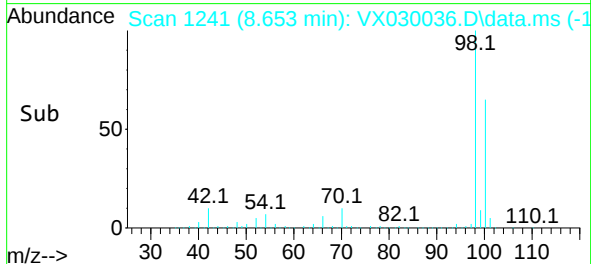
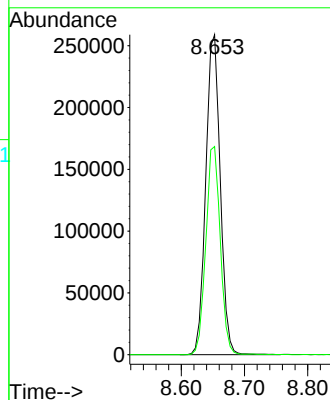
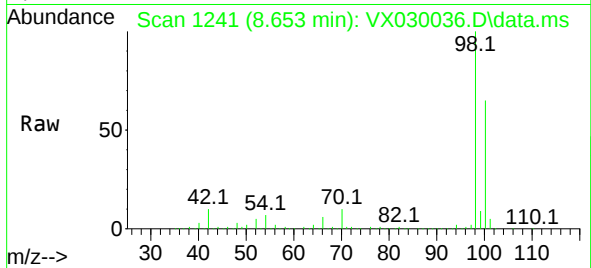




#50
Toluene-d8
Concen: 47.399 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

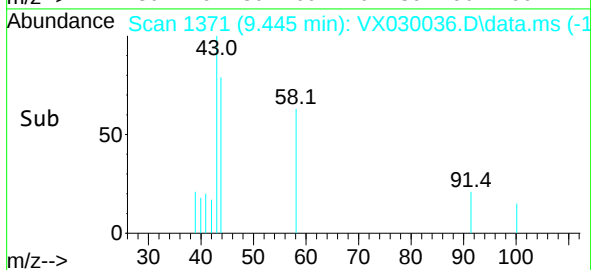
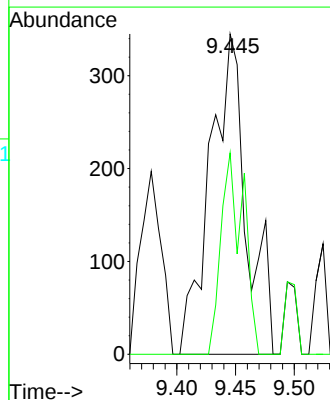
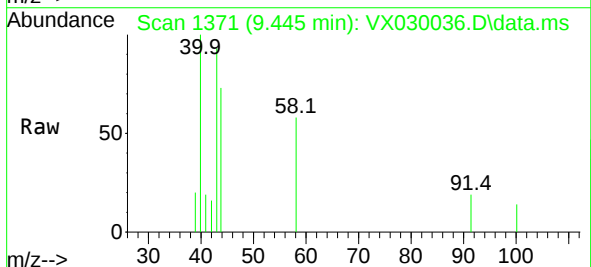
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

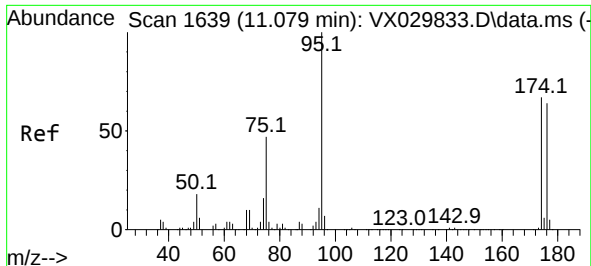
Tgt Ion: 98 Resp: 413066
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#59
2-Hexanone
Concen: 0.254 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 39.0 27.6 82.8

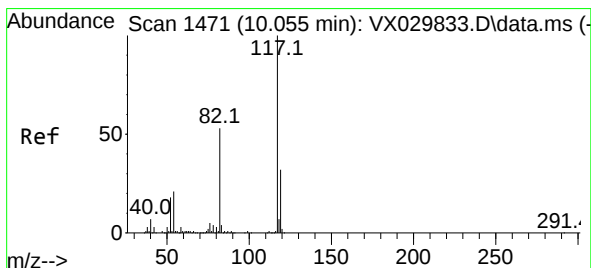
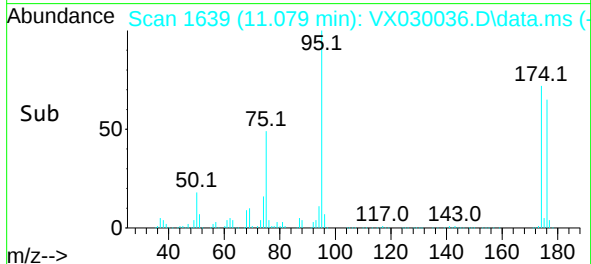
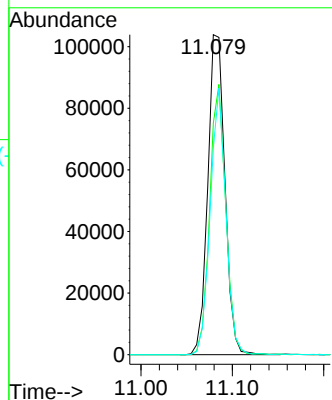
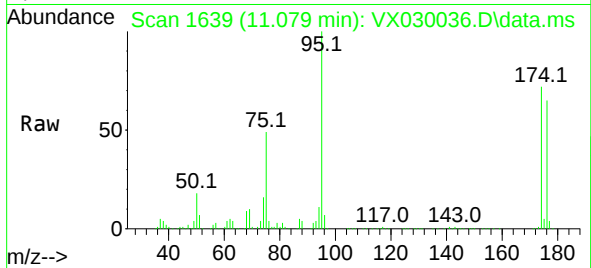




#62
4-Bromofluorobenzene
Concen: 44.718 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

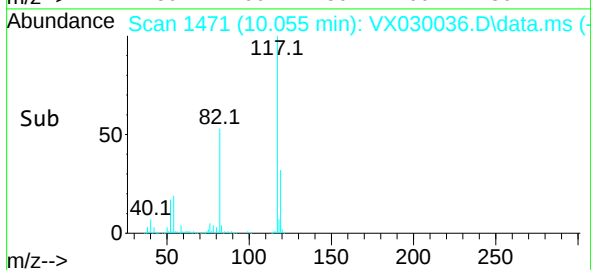
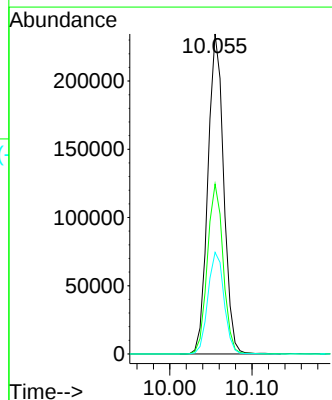
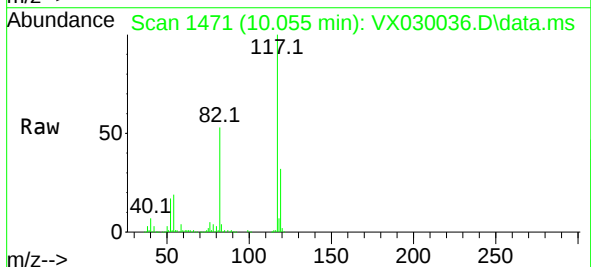
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

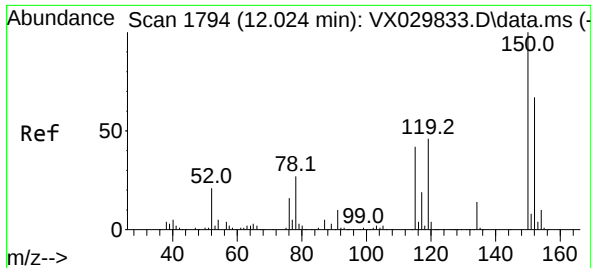
Tgt Ion: 95 Resp: 135237
Ion Ratio Lower Upper
95 100
174 79.5 0.0 149.0
176 76.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 117 Resp: 312766
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 31.8 25.4 38.2

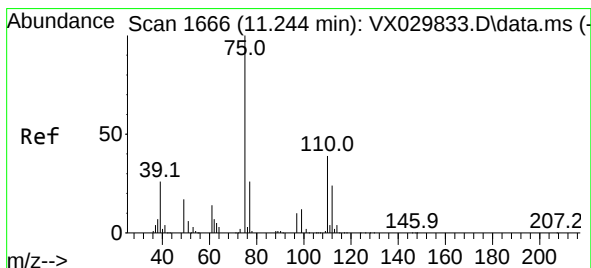
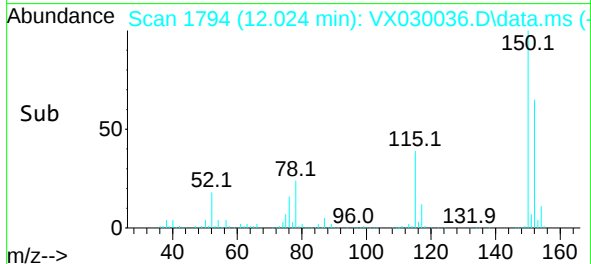
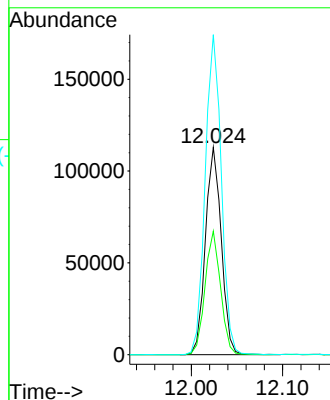
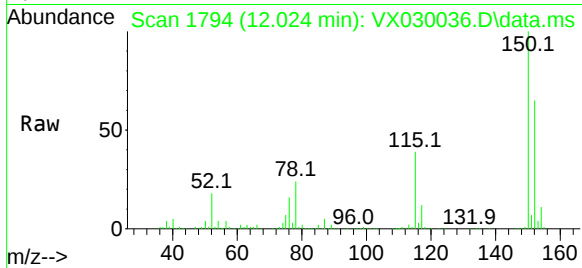




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

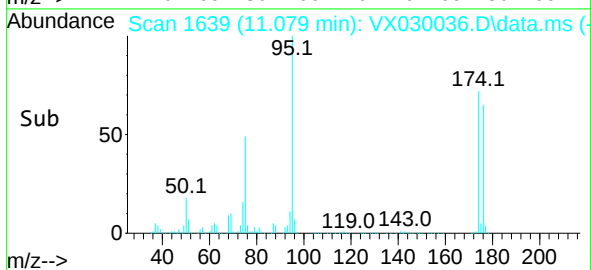
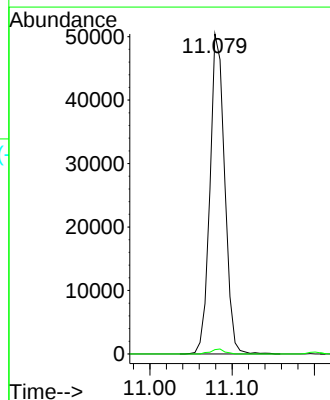
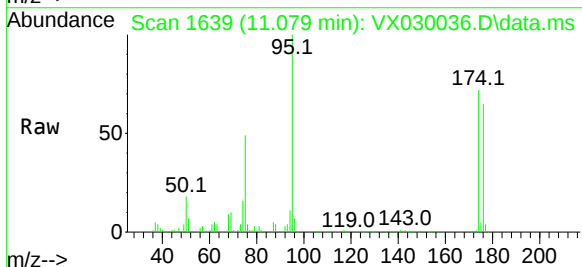
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

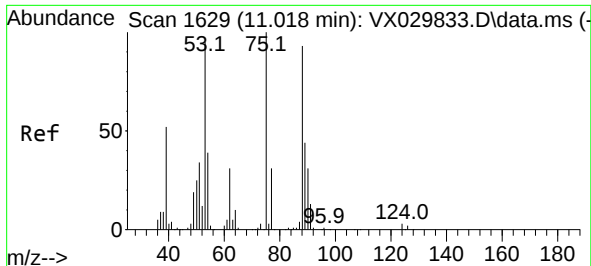
Tgt Ion:152 Resp: 136180
Ion Ratio Lower Upper
152 100
115 58.4 40.5 121.5
150 156.8 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 20.058 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion: 75 Resp: 62804
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#

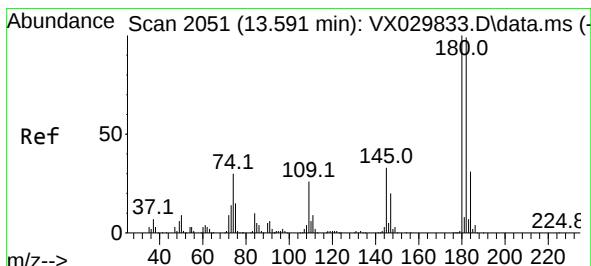
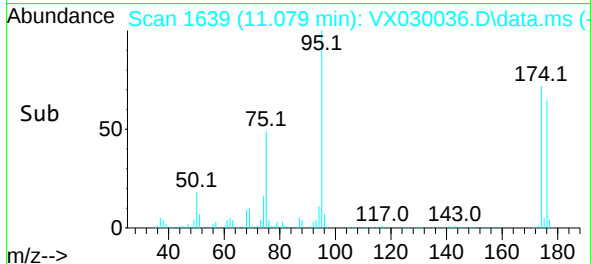
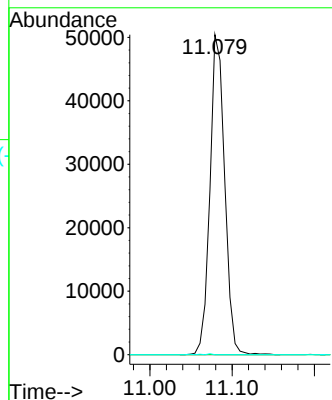
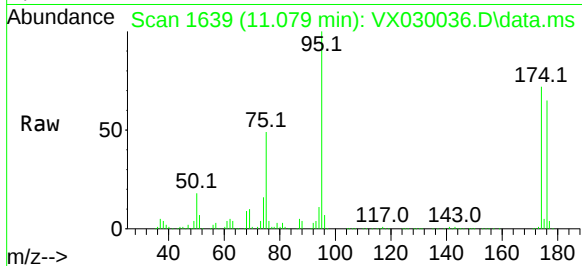




#81
trans-1,4-Dichloro-2-butene
Concen: 57.888 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

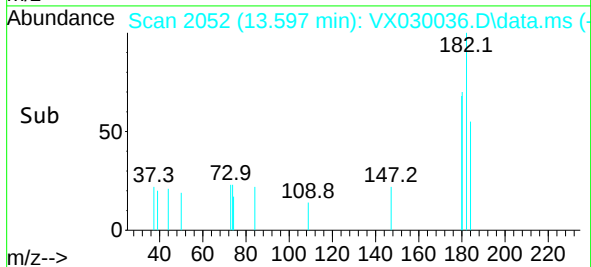
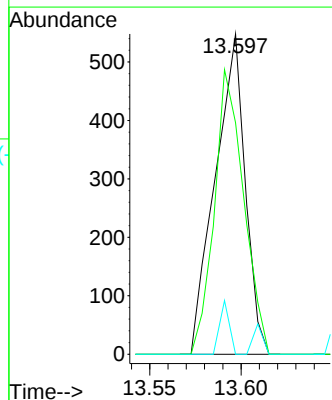
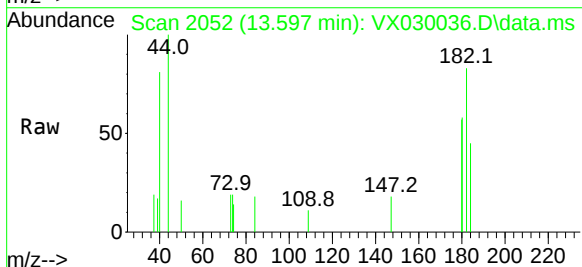
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

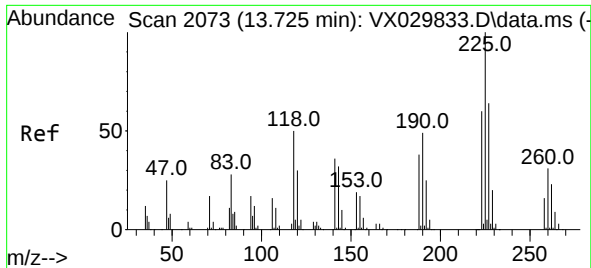
Tgt Ion: 75 Resp: 62804
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.228 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion:180 Resp: 624
Ion Ratio Lower Upper
180 100
182 86.9 48.2 144.6
145 5.4 15.9 47.6#

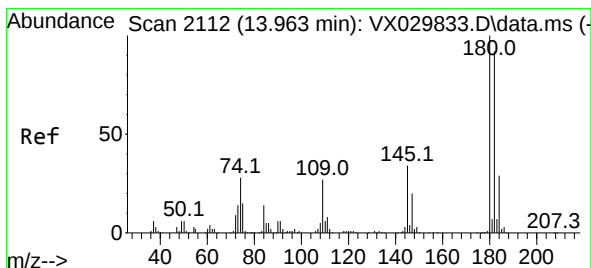
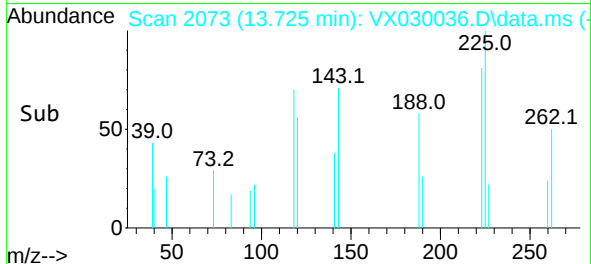
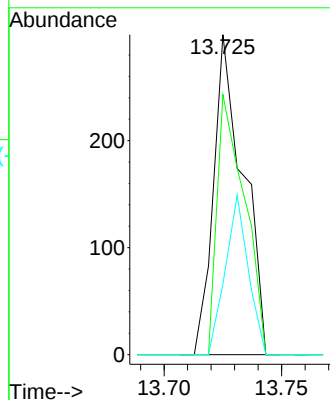
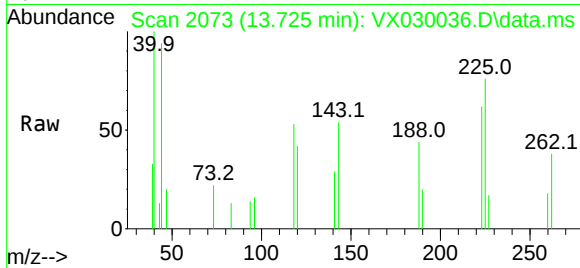




#94
Hexachlorobutadiene
Concen: 0.239 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-071222

Tgt Ion:	225	Resp:	261
Ion Ratio	Lower	Upper	
225	100		
223	75.1	30.6	91.6
227	38.7	31.9	95.9



#96
1,2,3-Trichlorobenzene
Concen: 0.214 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX030036.D
Acq: 13 Jul 2022 11:47

Tgt Ion:	180	Resp:	596
Ion Ratio	Lower	Upper	
180	100		
182	71.8	47.0	141.0
145	18.6	17.0	50.9

