

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
 Data File : VX035633.D
 Acq On : 12 May 2023 13:21
 Operator : JC/MD
 Sample : 02755-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A5560

Quant Time: May 15 01:55:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

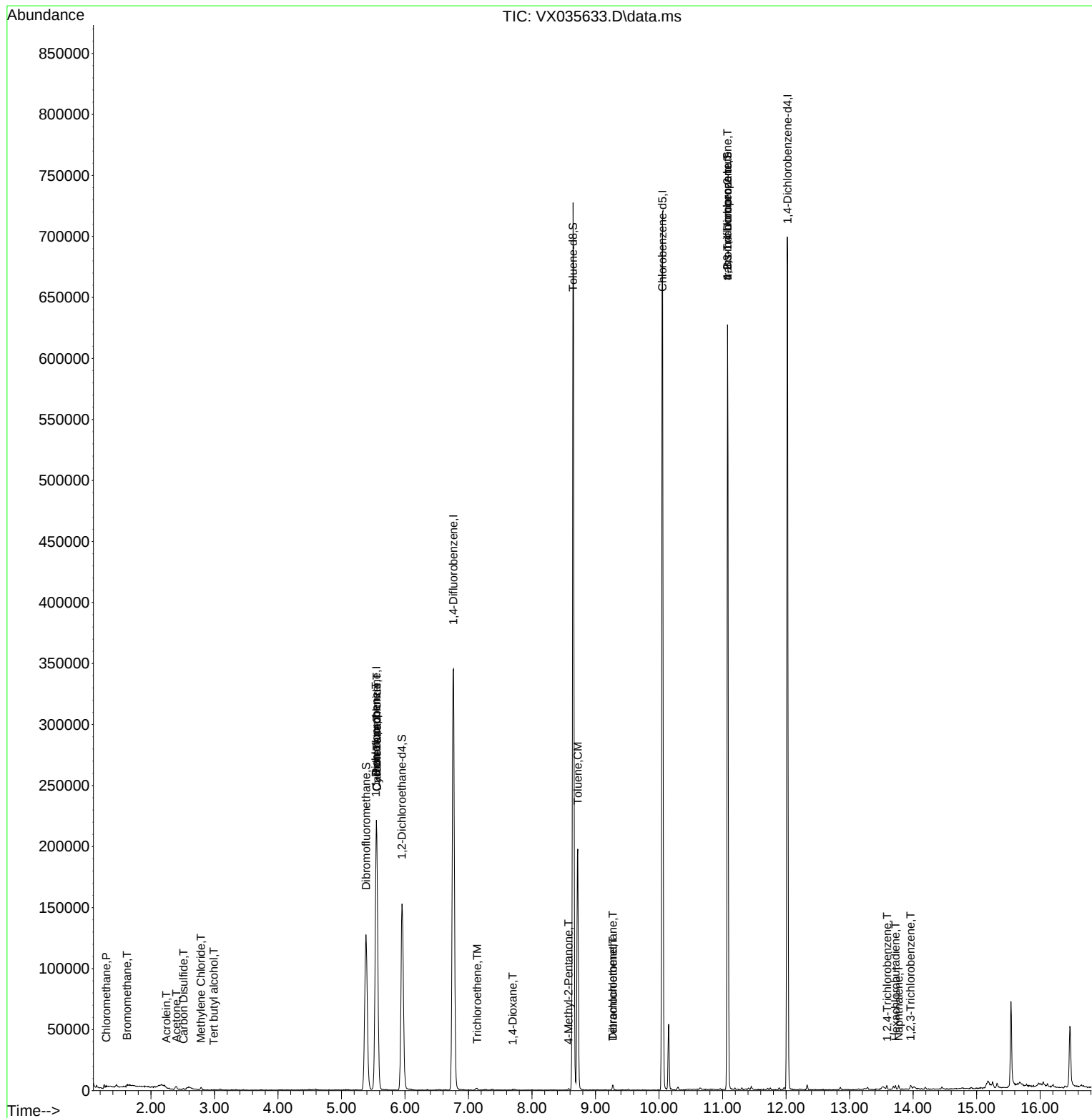
Internal Standards						
1) Pentafluorobenzene	5.550	168	184965	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	334353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	154528	47.889	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.780%		
35) Dibromofluoromethane	5.385	113	110242	48.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.780%		
50) Toluene-d8	8.647	98	405014	48.621	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.240%		
62) 4-Bromofluorobenzene	11.079	95	164336	48.997	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.000%		
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	808	0.276	ug/l	# 86
5) Bromomethane	1.623	94	335	0.249	ug/l	# 64
11) Tert butyl alcohol	2.989	59	204	0.358	ug/l	# 73
13) Acrolein	2.239	56	163	0.241	ug/l	# 1
16) Acetone	2.398	43	3778	2.724	ug/l	89
17) Carbon Disulfide	2.514	76	1234	0.248	ug/l	100
20) Methylene Chloride	2.788	84	1018	0.405	ug/l	# 83
31) Cyclohexane	5.556	56	5476	1.343	ug/l	# 27
36) 1,1-Dichloropropene	5.543	75	17669	4.964	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	21073	6.250	ug/l	# 15
44) Trichloroethene	7.135	130	649	0.257	ug/l	68
49) 1,4-Dioxane	7.696	88	199	4.808	ug/l	# 60
51) 4-Methyl-2-Pentanone	8.573	43	978	0.262	ug/l	# 83
52) Toluene	8.720	92	71586	11.390	ug/l	98
60) Dibromochloromethane	9.275	129	651	0.277	ug/l	# 10
64) Tetrachloroethene	9.275	164	613	0.297	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	88866	27.451	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	88866	88.471	ug/l	# 8
93) 1,2,4-Trichlorobenzene	13.591	180	774	0.273	ug/l	87
94) Hexachlorobutadiene	13.725	225	499	0.443	ug/l	90
95) Naphthalene	13.774	128	2159	0.222	ug/l	# 91
96) 1,2,3-Trichlorobenzene	13.963	180	597	0.214	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
Data File : VX035633.D
Acq On : 12 May 2023 13:21
Operator : JC/MD
Sample : 02755-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
A5560

Quant Time: May 15 01:55:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

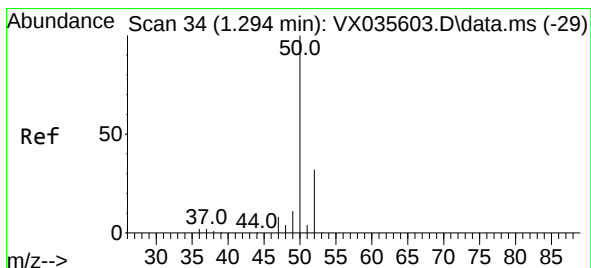
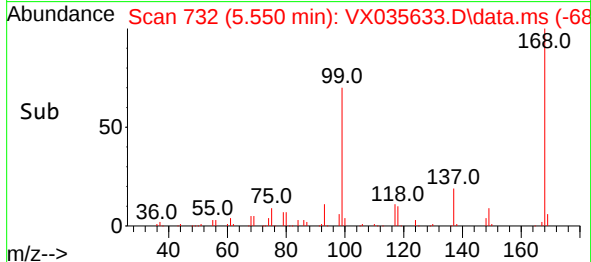
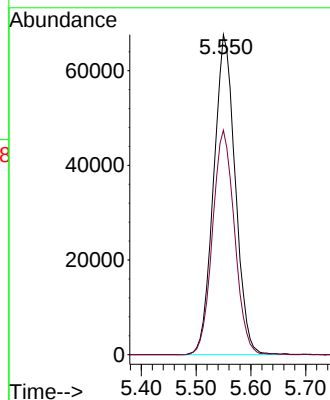
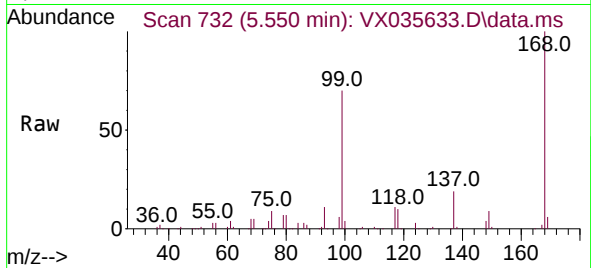




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

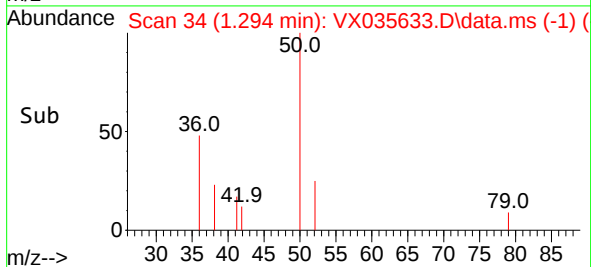
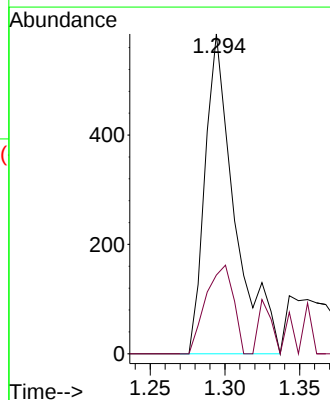
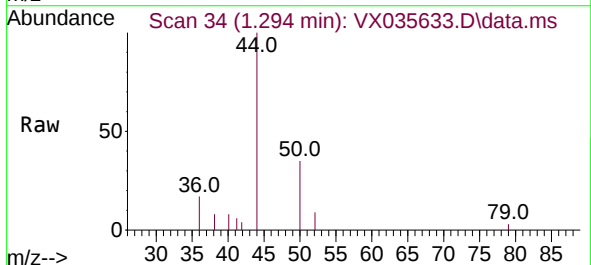
Instrument :
MSVOA_X
ClientSampleId :
A5560

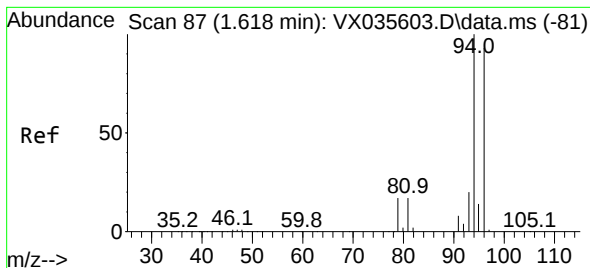
Tgt Ion:168 Resp: 184965
Ion Ratio Lower Upper
168 100
99 70.2 45.7 68.5#



#3
Chloromethane
Concen: 0.276 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion: 50 Resp: 808
Ion Ratio Lower Upper
50 100
52 24.6 25.9 38.9#





#5

Bromomethane

Concen: 0.249 ug/l

RT: 1.623 min Scan# 81

Delta R.T. 0.005 min

Lab File: VX035633.D

Acq: 12 May 2023 13:21

Instrument :

MSVOA_X

ClientSampleId :

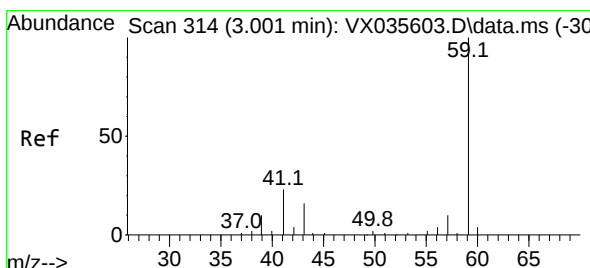
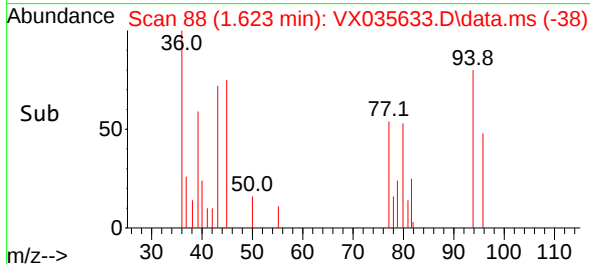
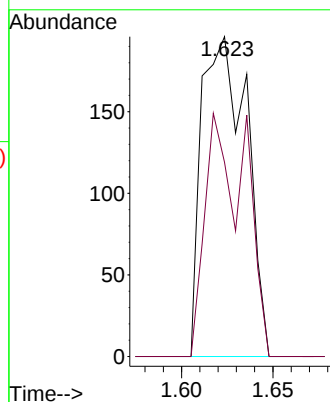
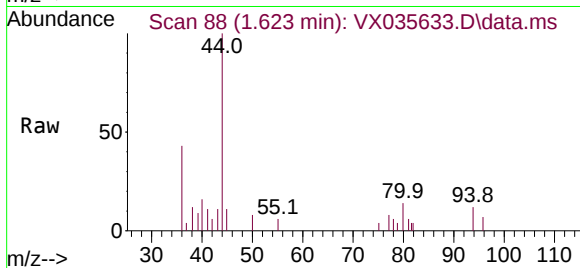
A5560

Tgt Ion: 94 Resp: 335

Ion Ratio Lower Upper

94 100

96 60.7 77.0 115.6#



#11

Tert butyl alcohol

Concen: 0.358 ug/l

RT: 2.989 min Scan# 312

Delta R.T. -0.012 min

Lab File: VX035633.D

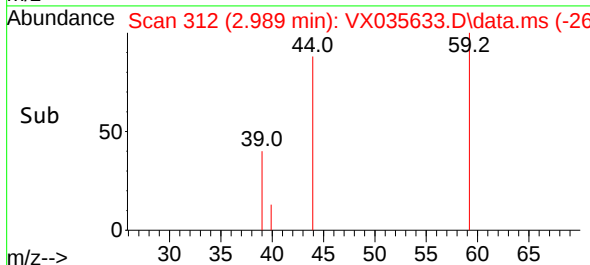
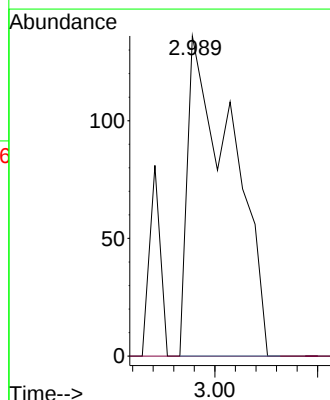
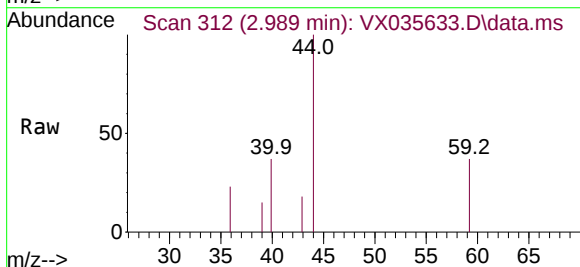
Acq: 12 May 2023 13:21

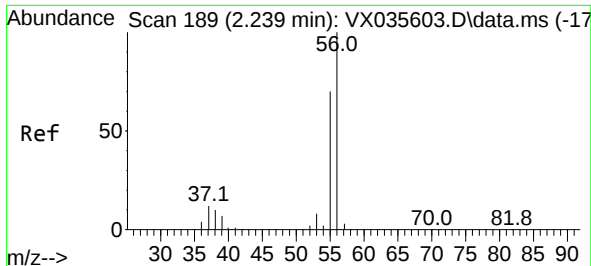
Tgt Ion: 59 Resp: 204

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

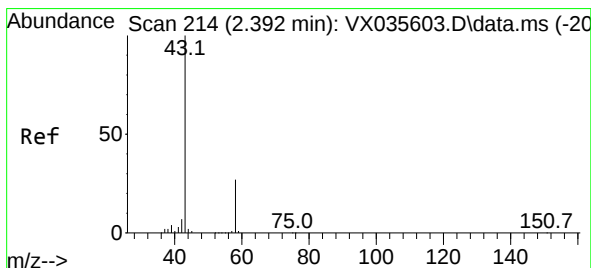
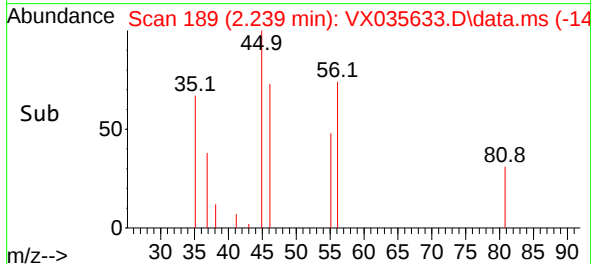
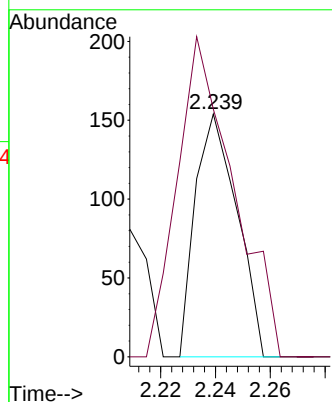
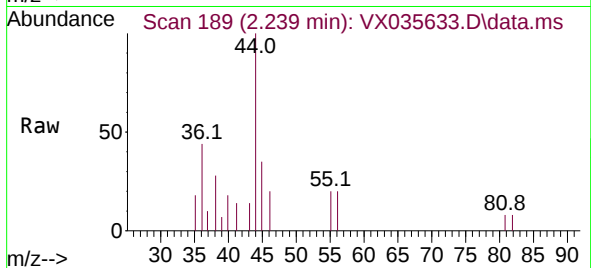




#13
Acrolein
Concen: 0.241 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

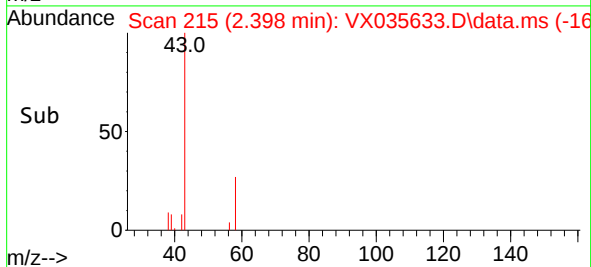
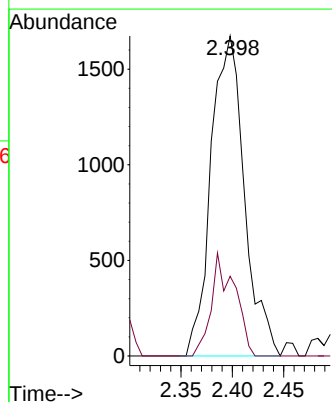
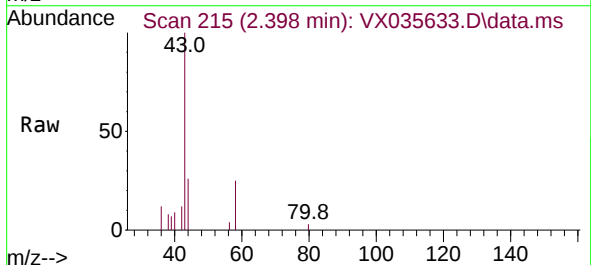
Instrument :
MSVOA_X
ClientSampleId :
A5560

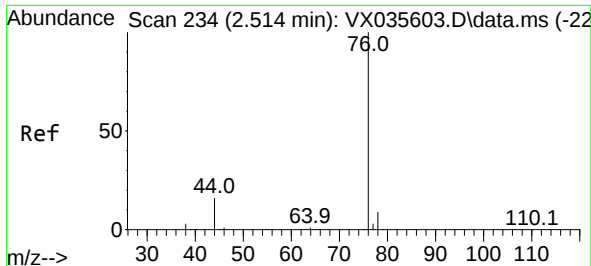
Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 177.3 56.6 85.0#



#16
Acetone
Concen: 2.724 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
58 24.9 24.7 37.1





#17

Carbon Disulfide

Concen: 0.248 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX035633.D

Acq: 12 May 2023 13:21

Instrument :

MSVOA_X

ClientSampleId :

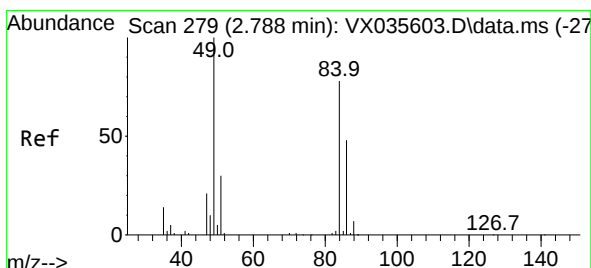
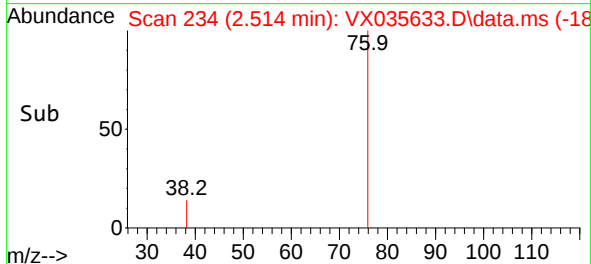
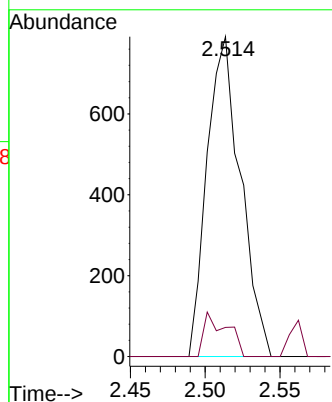
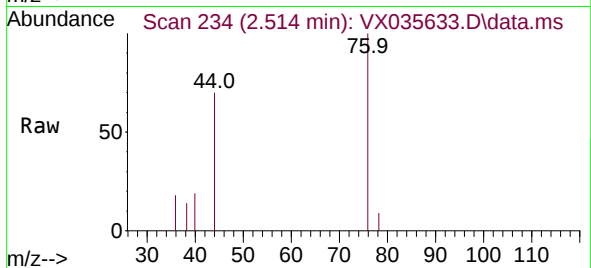
A5560

Tgt Ion: 76 Resp: 1234

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#20

Methylene Chloride

Concen: 0.405 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX035633.D

Acq: 12 May 2023 13:21

Tgt Ion: 84 Resp: 1018

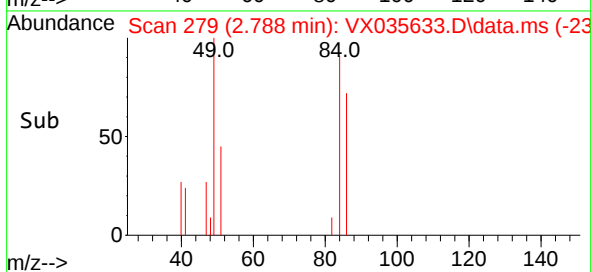
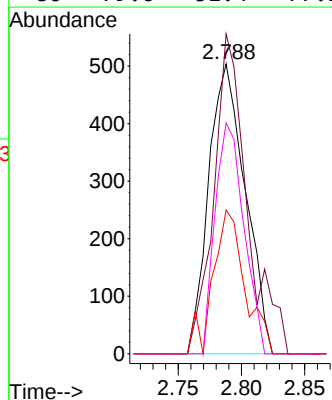
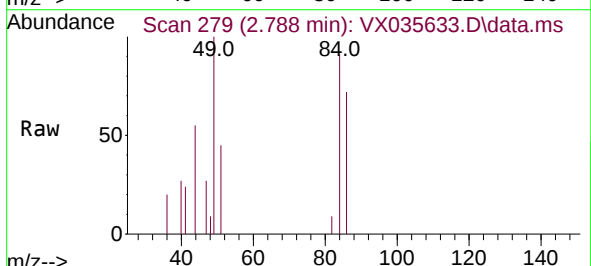
Ion Ratio Lower Upper

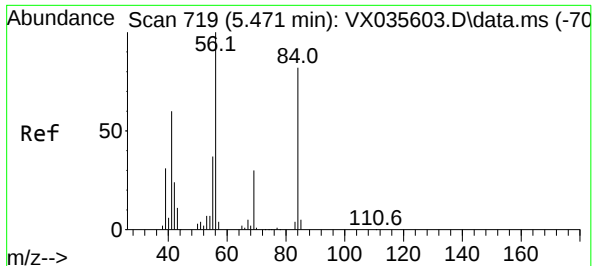
84 100

49 110.3 103.8 155.8

51 49.6 31.8 47.8#

86 79.6 51.4 77.2#

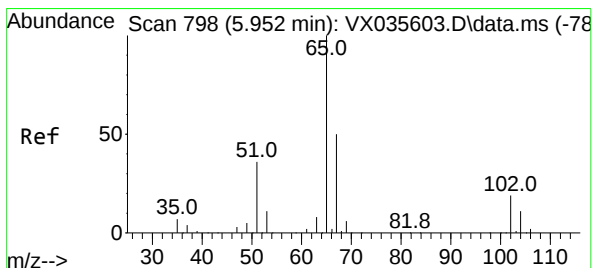
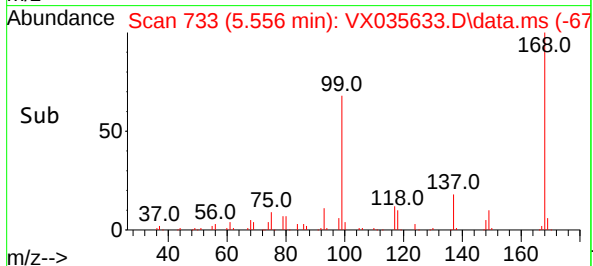
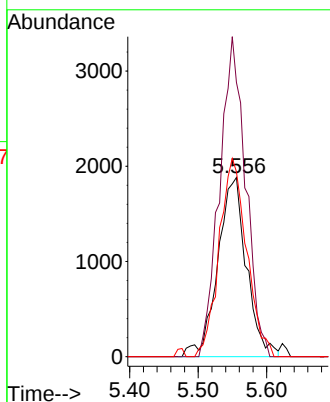
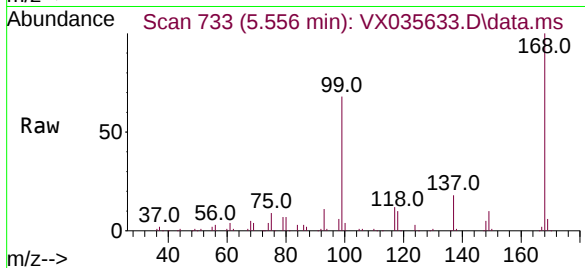




#31
Cyclohexane
Concen: 1.343 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

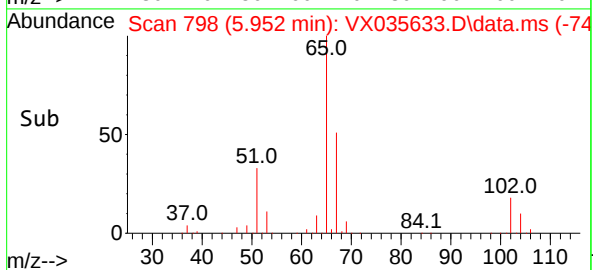
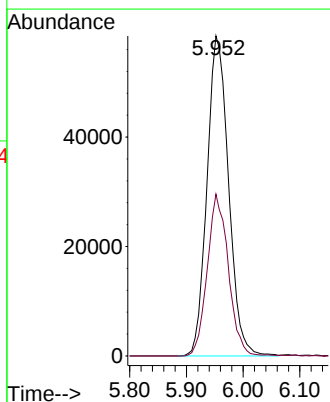
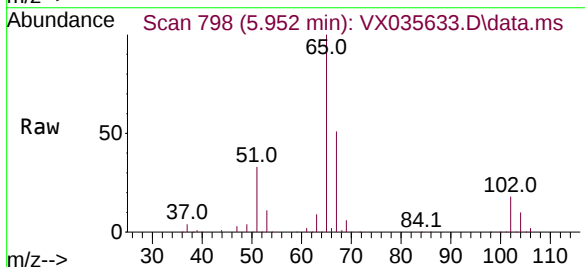
Instrument :
MSVOA_X
ClientSampleId :
A5560

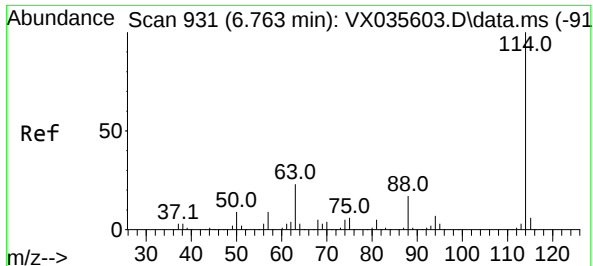
Tgt Ion: 56 Resp: 5476
Ion Ratio Lower Upper
56 100
69 153.1 23.7 35.5#
84 103.2 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.889 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion: 65 Resp: 154528
Ion Ratio Lower Upper
65 100
67 49.4 0.0 104.0

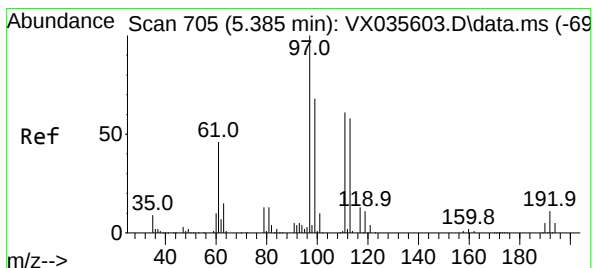
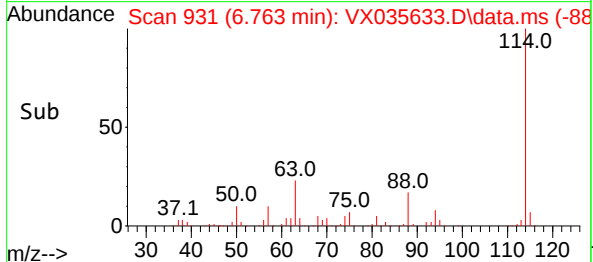
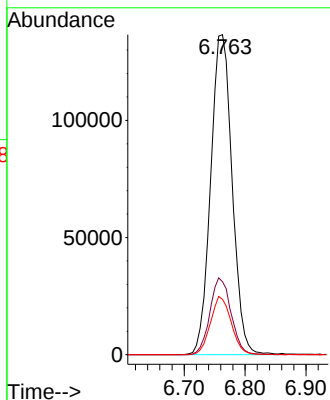
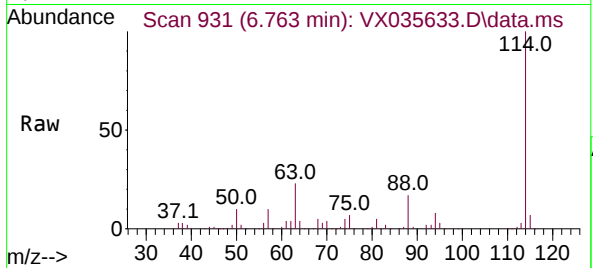




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

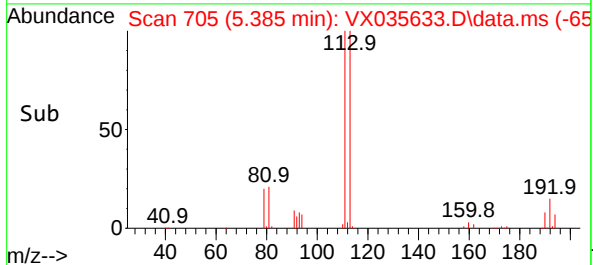
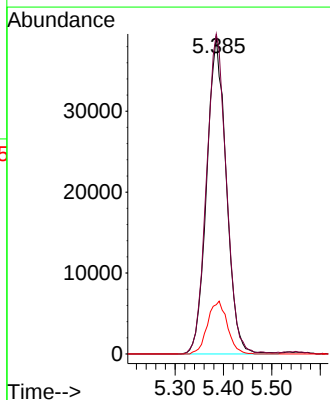
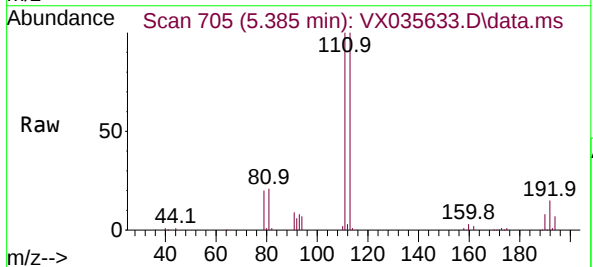
Instrument :
MSVOA_X
ClientSampleId :
A5560

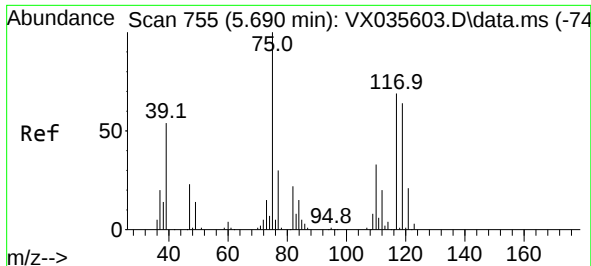
Tgt Ion:114 Resp: 334353
Ion Ratio Lower Upper
114 100
63 22.8 0.0 42.2
88 17.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.891 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion:113 Resp: 110242
Ion Ratio Lower Upper
113 100
111 102.2 83.7 125.5
192 16.8 15.4 23.2

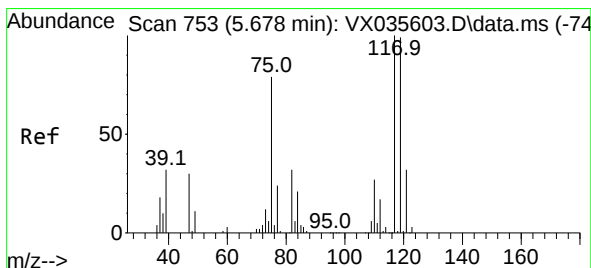
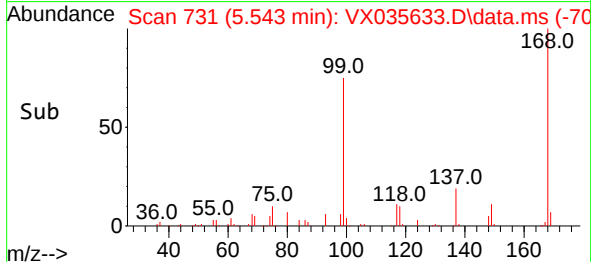
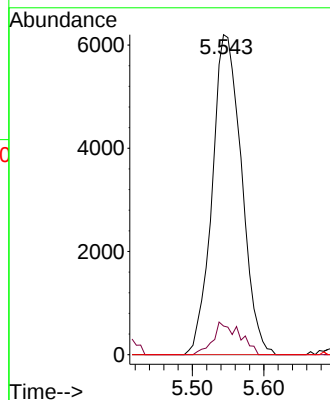
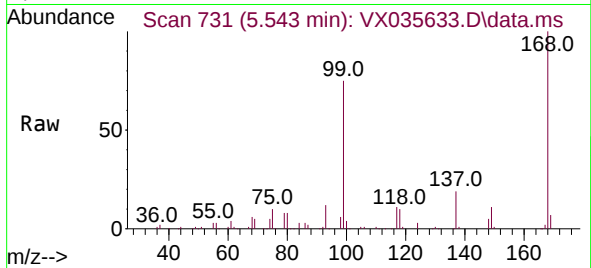




#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 5.543 min Scan# 71
 Delta R.T. -0.147 min
 Lab File: VX035633.D
 Acq: 12 May 2023 13:21

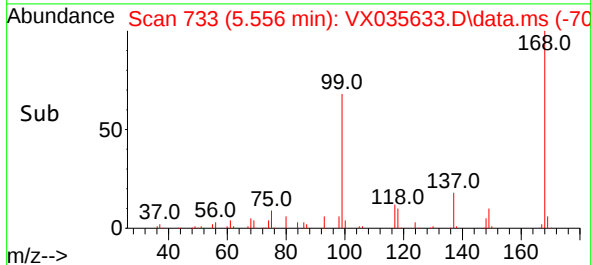
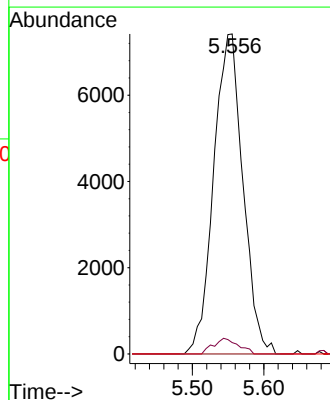
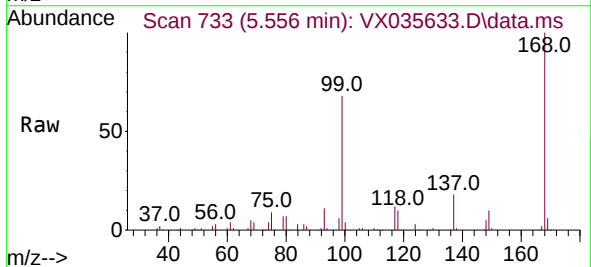
Instrument :
 MSVOA_X
 ClientSampleId :
 A5560

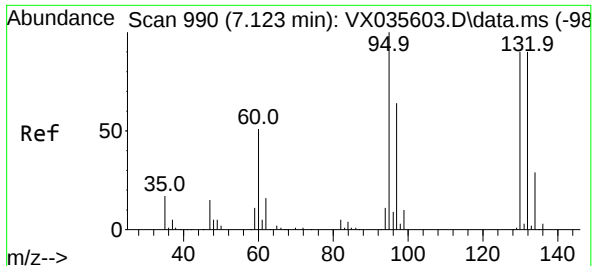
Tgt Ion: 75 Resp: 17669
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.5 52.5#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.250 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.122 min
 Lab File: VX035633.D
 Acq: 12 May 2023 13:21

Tgt Ion: 117 Resp: 21073
 Ion Ratio Lower Upper
 117 100
 119 3.5 76.6 114.8#
 121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: 0.257 ug/l

RT: 7.135 min Scan# 990

Delta R.T. 0.012 min

Lab File: VX035633.D

Acq: 12 May 2023 13:21

Instrument :

MSVOA_X

ClientSampleId :

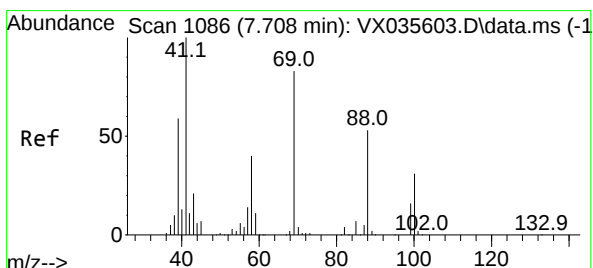
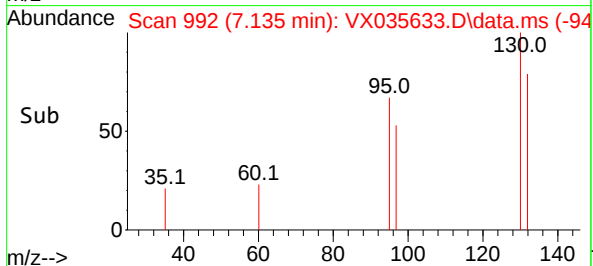
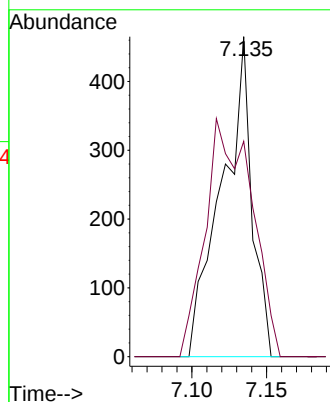
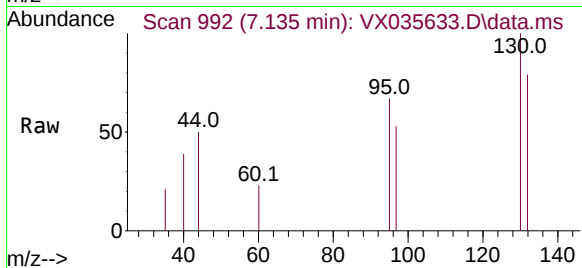
A5560

Tgt Ion:130 Resp: 649

Ion Ratio Lower Upper

130 100

95 67.3 0.0 198.4



#49

1,4-Dioxane

Concen: 4.808 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.012 min

Lab File: VX035633.D

Acq: 12 May 2023 13:21

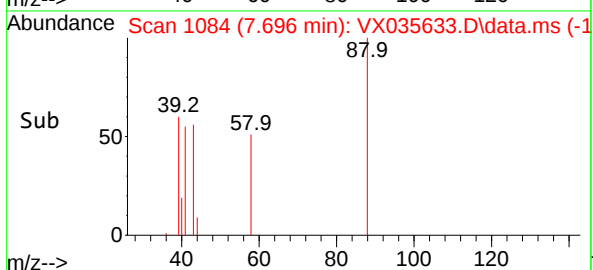
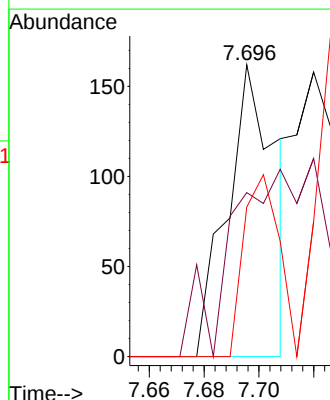
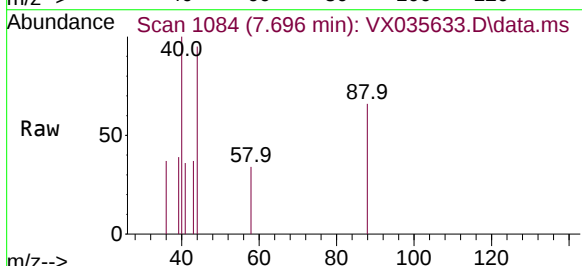
Tgt Ion: 88 Resp: 199

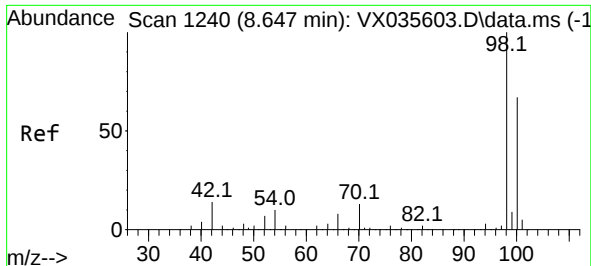
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 45.7 56.8 85.2#

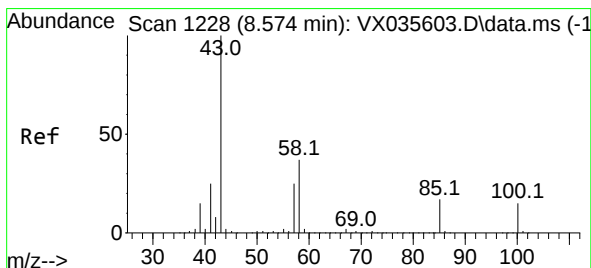
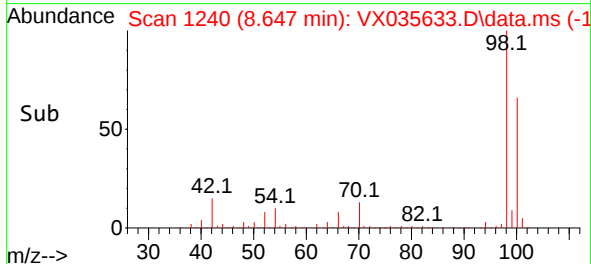
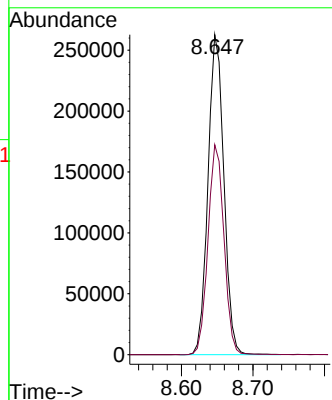
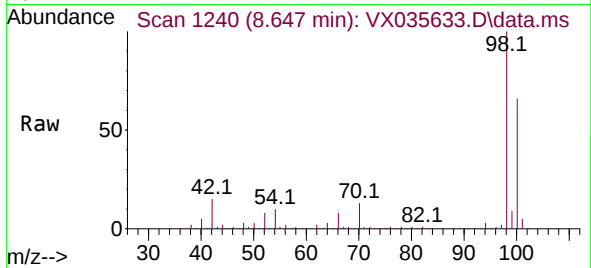




#50
Toluene-d8
Concen: 48.621 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

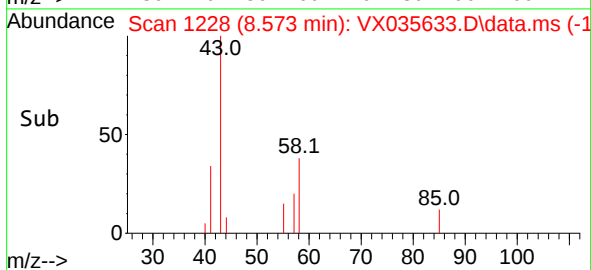
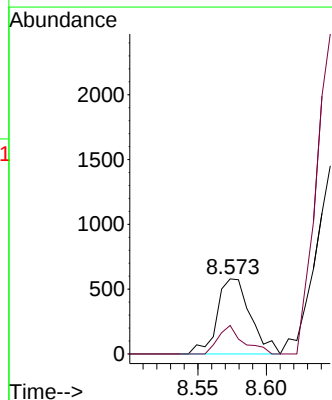
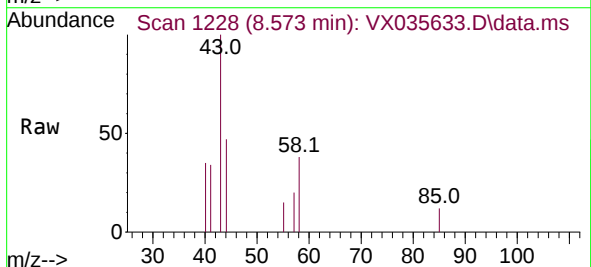
Instrument :
MSVOA_X
ClientSampleId :
A5560

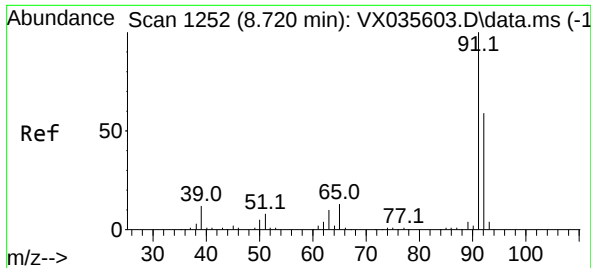
Tgt Ion: 98 Resp: 405014
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.262 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.001 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
58 28.2 30.6 46.0#

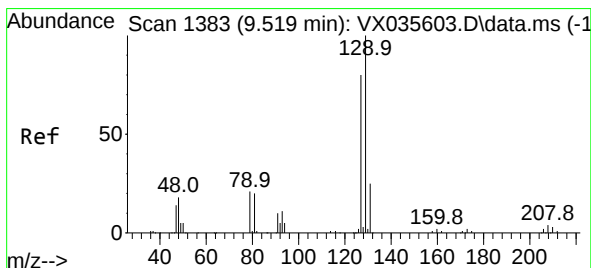
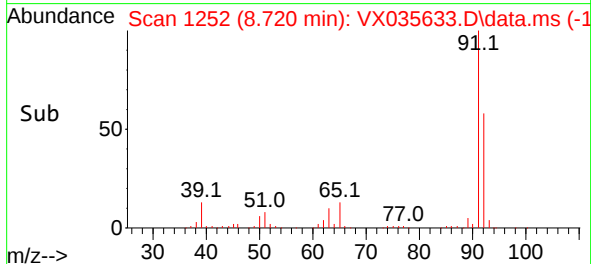
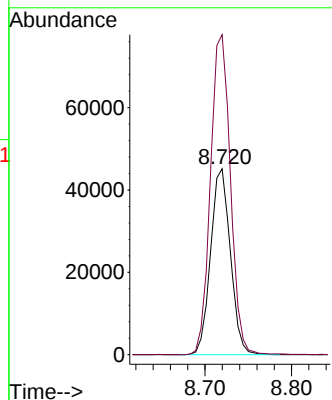
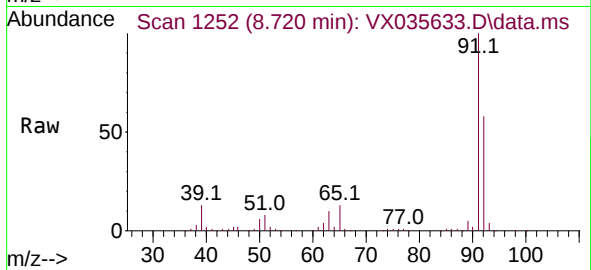




#52
Toluene
Concen: 11.390 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

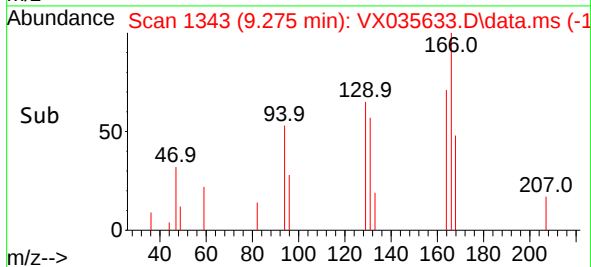
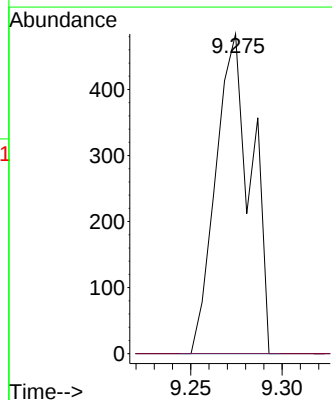
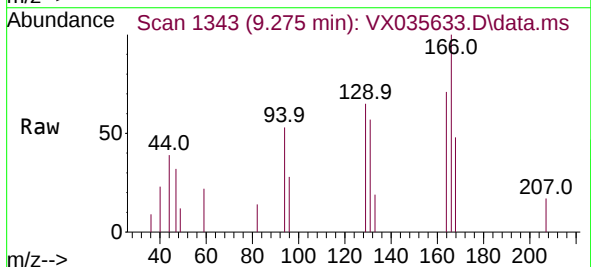
Instrument :
MSVOA_X
ClientSampleId :
A5560

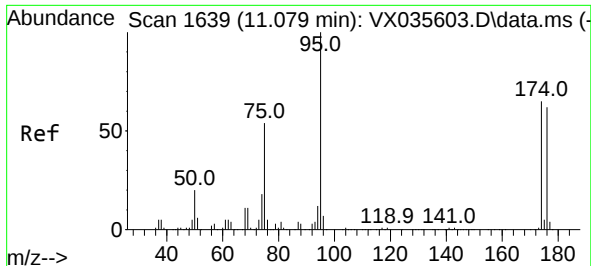
Tgt Ion: 92 Resp: 71586
Ion Ratio Lower Upper
92 100
91 173.9 136.8 205.2



#60
Dibromochloromethane
Concen: 0.277 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion: 129 Resp: 651
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

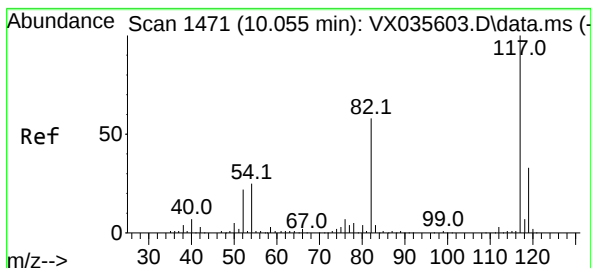
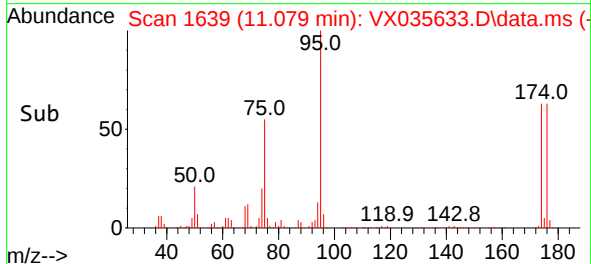
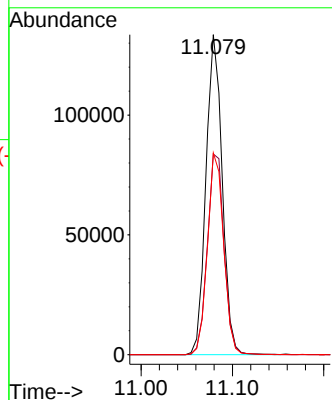
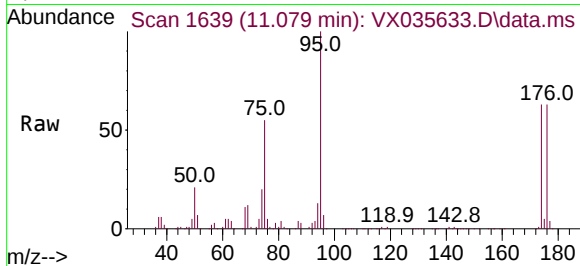




#62
4-Bromofluorobenzene
Concen: 48.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

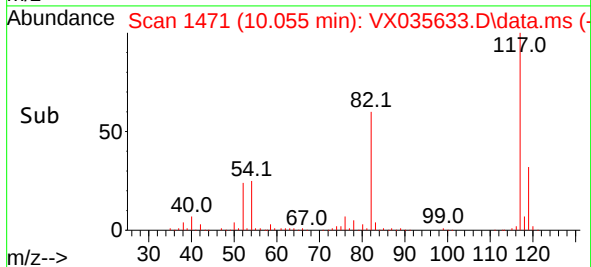
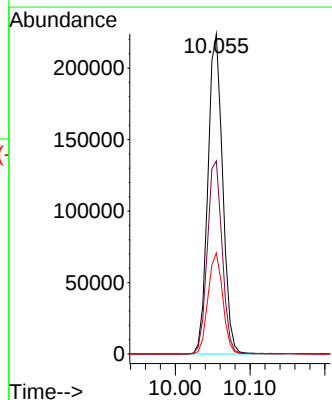
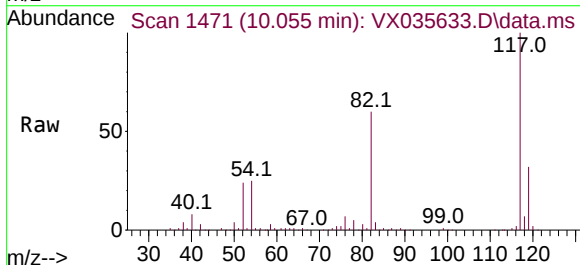
Instrument :
MSVOA_X
ClientSampleId :
A5560

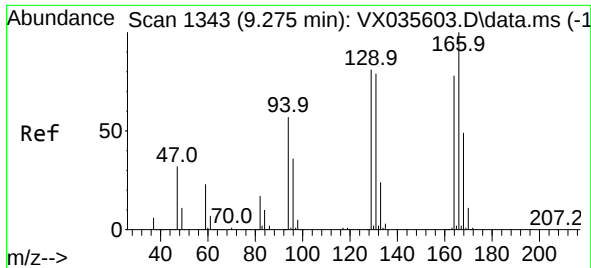
Tgt Ion: 95 Resp: 164336
Ion Ratio Lower Upper
95 100
174 64.7 0.0 147.4
176 62.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion: 117 Resp: 306327
Ion Ratio Lower Upper
117 100
82 60.3 45.0 67.4
119 31.6 26.0 39.0



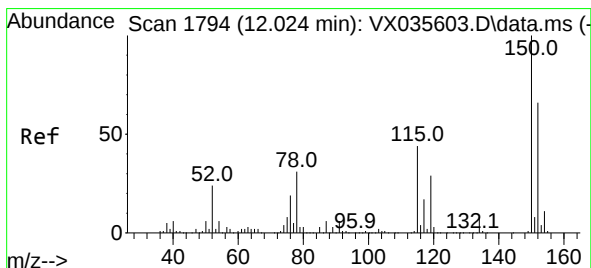
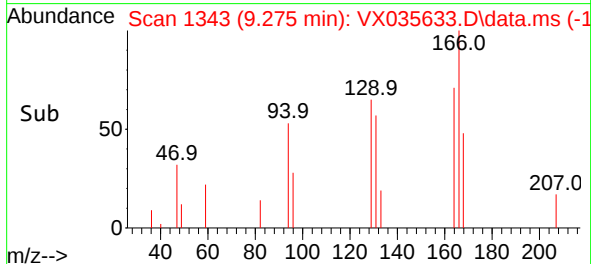
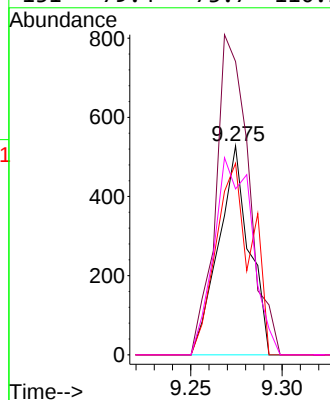
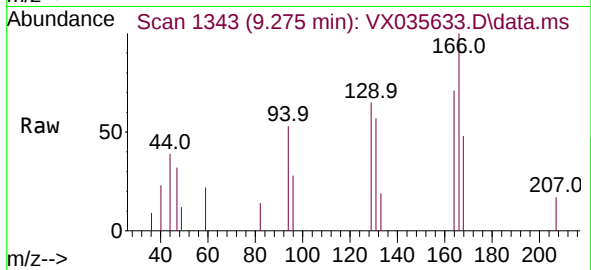


#64
Tetrachloroethene
Concen: 0.297 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Instrument :
MSVOA_X
ClientSampleId :
A5560

Tgt Ion:164 Resp: 613

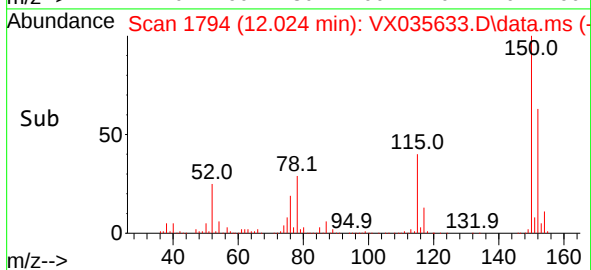
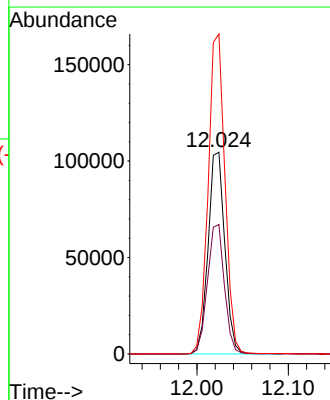
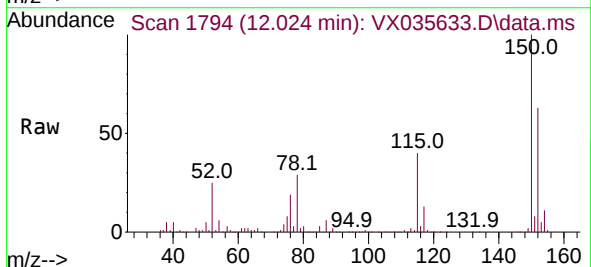
Ion	Ratio	Lower	Upper
164	100		
166	140.3	102.7	154.1
129	91.7	75.6	113.4
131	79.4	73.7	110.5

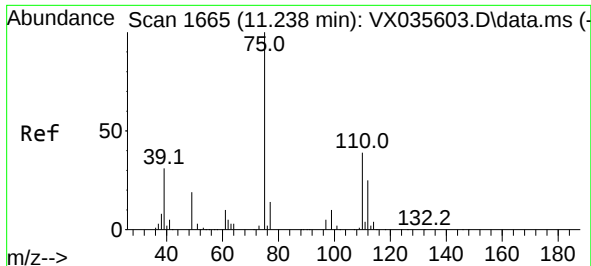


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion:152 Resp: 132347

Ion	Ratio	Lower	Upper
152	100		
115	65.0	45.0	135.0
150	159.3	0.0	352.4

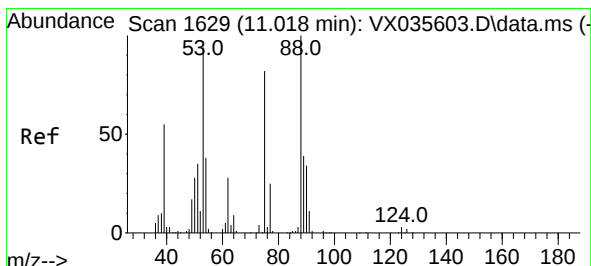
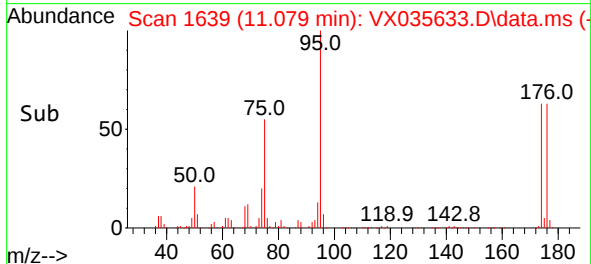
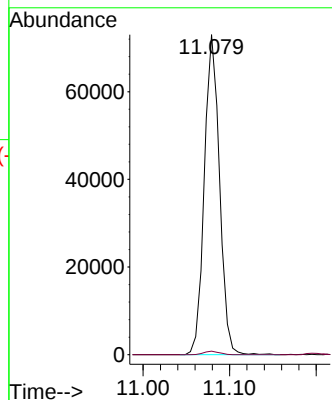
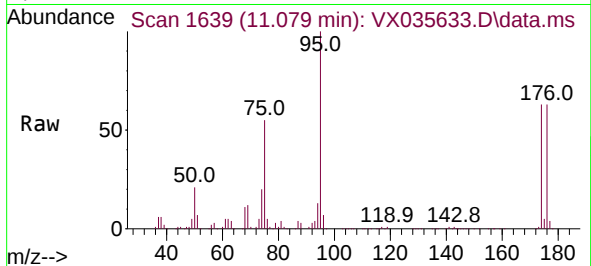




#76
1,2,3-Trichloropropane
Concen: 27.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

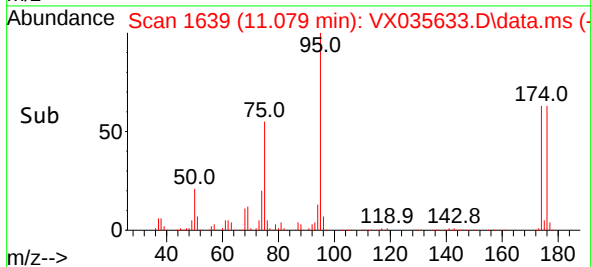
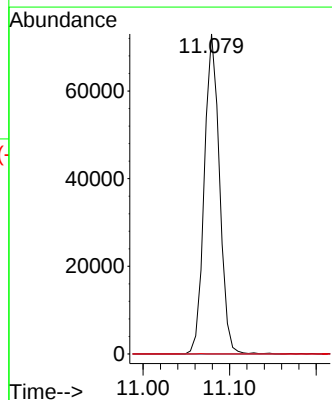
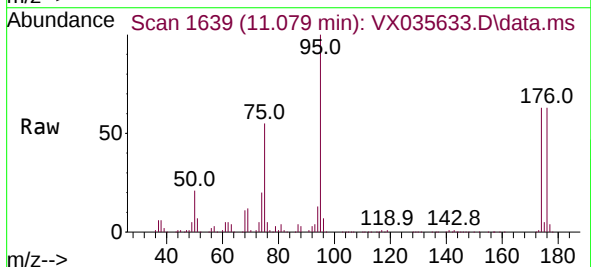
Instrument :
MSVOA_X
ClientSampleId :
A5560

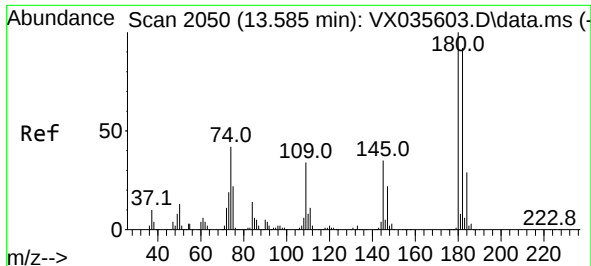
Tgt Ion: 75 Resp: 88866
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.471 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion: 75 Resp: 88866
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

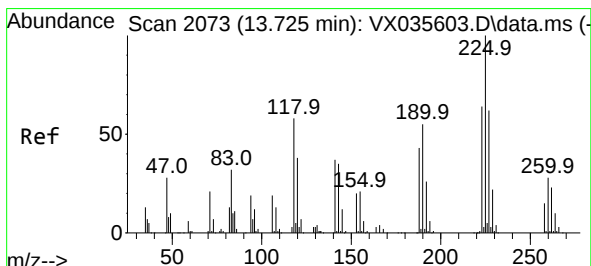
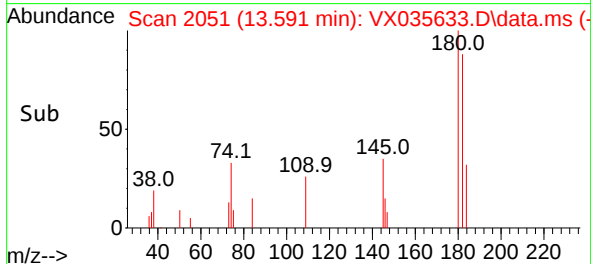
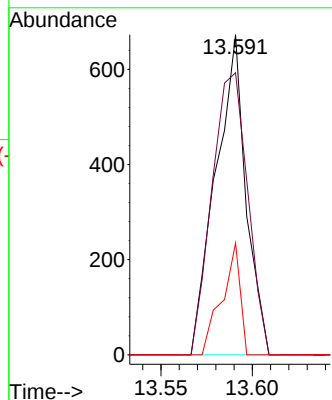
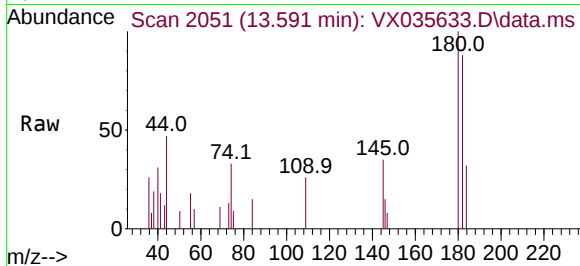




#93
1,2,4-Trichlorobenzene
Concen: 0.273 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

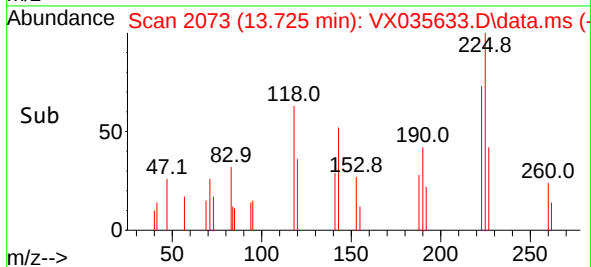
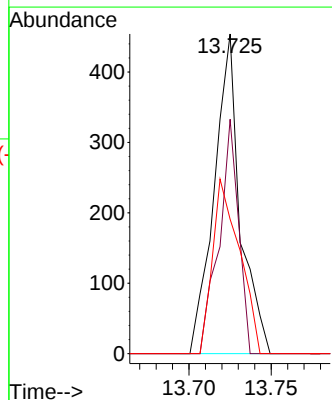
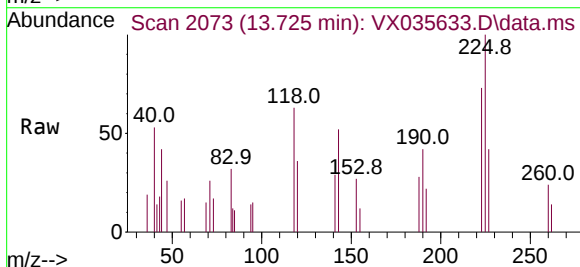
Instrument :
MSVOA_X
ClientSampleId :
A5560

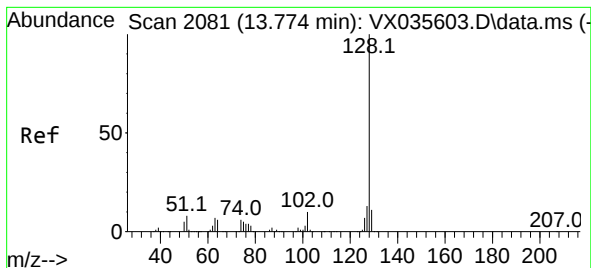
Tgt Ion:180 Resp: 774
Ion Ratio Lower Upper
180 100
182 104.0 47.0 141.0
145 21.1 15.9 47.7



#94
Hexachlorobutadiene
Concen: 0.443 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX035633.D
Acq: 12 May 2023 13:21

Tgt Ion:225 Resp: 499
Ion Ratio Lower Upper
225 100
223 54.9 32.1 96.5
227 56.7 31.8 95.4





#95

Naphthalene

Concen: 0.222 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX035633.D

Acq: 12 May 2023 13:21

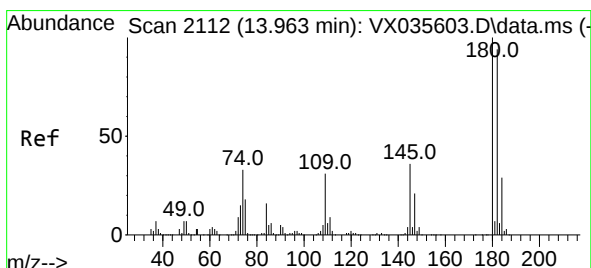
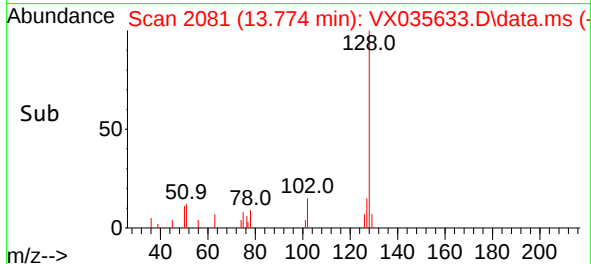
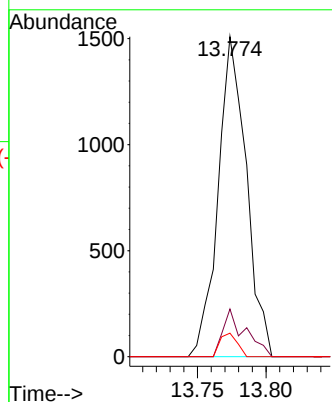
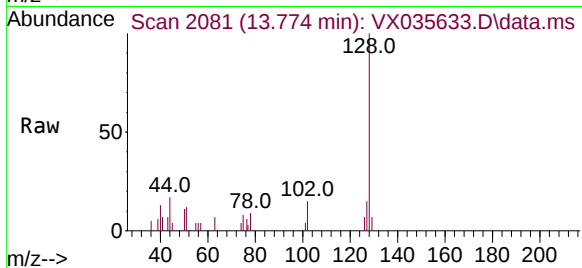
Instrument :

MSVOA_X

ClientSampleId :

A5560

Tgt Ion:128	Resp:	2159
Ion	Ratio	Lower Upper
128	100	
127	11.8	10.2 15.4
129	4.5	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.214 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX035633.D

Acq: 12 May 2023 13:21

Tgt Ion:180	Resp:	597
Ion	Ratio	Lower Upper
180	100	
182	97.2	48.0 144.2
145	37.2	17.7 53.1

