

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101221\
 Data File : VX024762.D
 Acq On : 12 Oct 2021 14:51
 Operator : JC/MD
 Sample : M4154-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 15:21:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

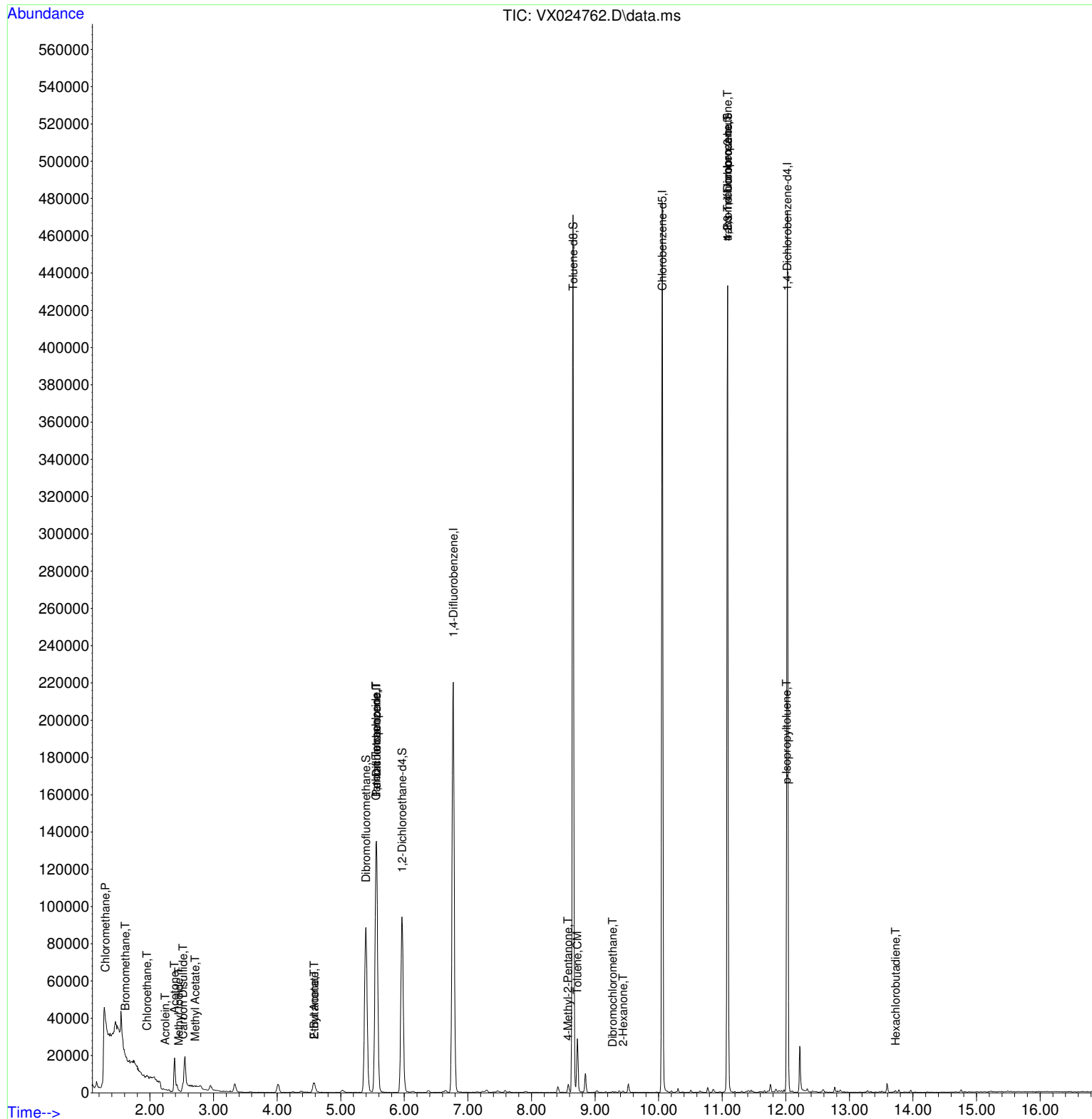
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	128134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	220755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96061	53.19	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	106.38%		
35) Dibromofluoromethane	5.397	113	75577	51.53	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.06%		
50) Toluene-d8	8.653	98	271901	50.37	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.74%		
62) 4-Bromofluorobenzene	11.085	95	111819	52.69	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.38%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	2262	1.86	ug/l #	42
5) Bromomethane	1.611	94	615	0.72	ug/l	96
6) Chloroethane	1.953	64	1000	1.43	ug/l #	57
10) Methyl Iodide	2.453	142	865	0.49	ug/l #	91
11) Tert butyl alcohol	2.959	59	2074	Below Cal	#	73
13) Acrolein	2.239	56	113	11.17	ug/l #	74
16) Acetone	2.386	43	19163	15.64	ug/l #	82
17) Carbon Disulfide	2.520	76	6231	2.28	ug/l	96
18) Methyl Acetate	2.709	43	568	0.21	ug/l #	47
20) Methylene Chloride	2.794	84	445	Below Cal	#	92
25) 2-Butanone	4.580	43	7175	5.77	ug/l #	80
36) 1,1-Dichloropropene	5.562	75	10200	4.82	ug/l #	49
37) Ethyl Acetate	4.580	43	7175	2.72	ug/l #	65
38) Carbon Tetrachloride	5.556	117	13553	5.88	ug/l #	17
51) 4-Methyl-2-Pentanone	8.574	43	2670	1.01	ug/l	93
52) Toluene	8.720	92	10121	2.59	ug/l	94
59) 2-Hexanone	9.439	43	509	0.24	ug/l	84
60) Dibromochloromethane	9.275	129	64	1.22	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	59337	28.68	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59337	77.93	ug/l #	12
86) p-Isopropyltoluene	12.012	119	5812	1.00	ug/l	87
94) Hexachlorobutadiene	13.725	225	252	0.28	ug/l	76

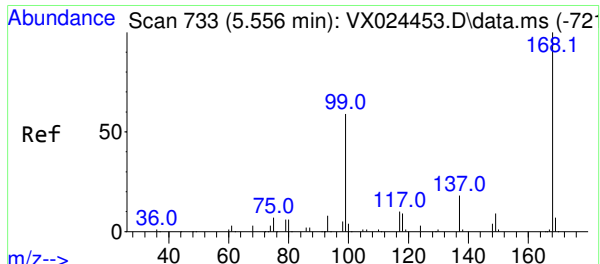
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

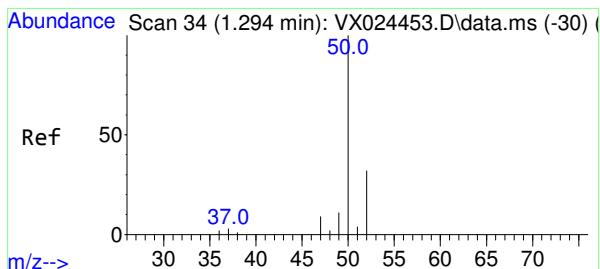
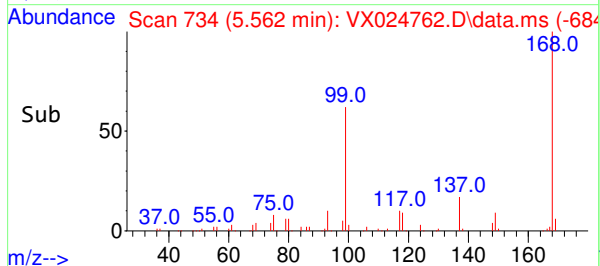
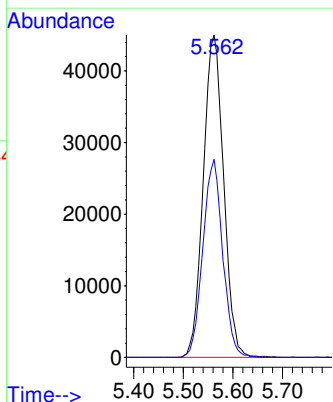
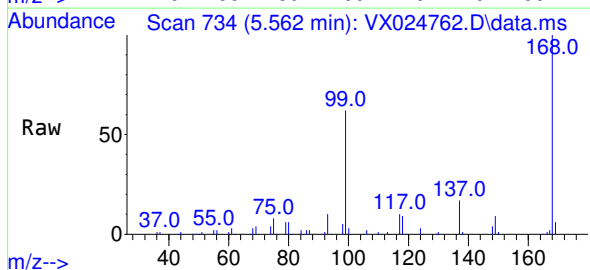




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

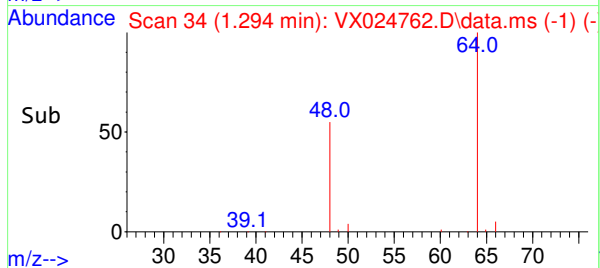
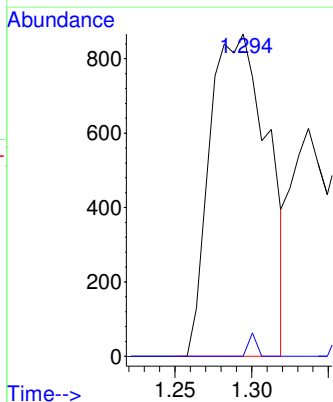
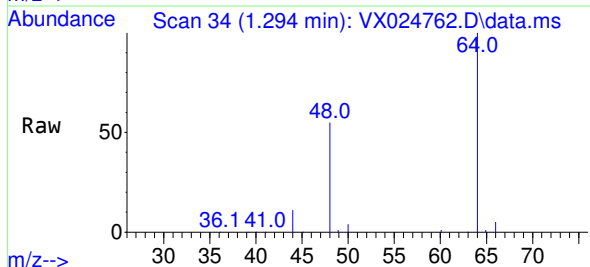
Instrument :
MSVOA_X
ClientSampleId :

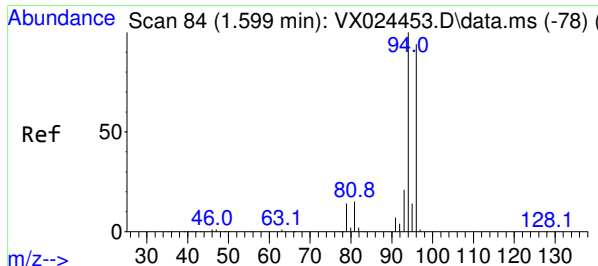
Tgt Ion:168 Resp: 128134
Ion Ratio Lower Upper
168 100
99 61.5 45.8 68.6



#3
Chloromethane
Concen: 1.86 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 50 Resp: 2262
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

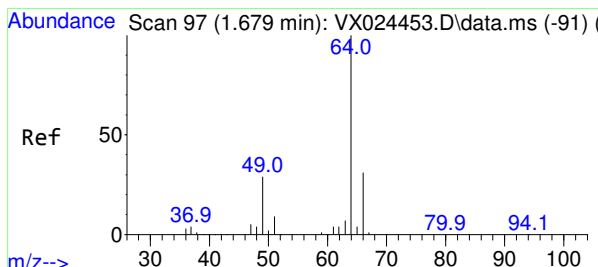
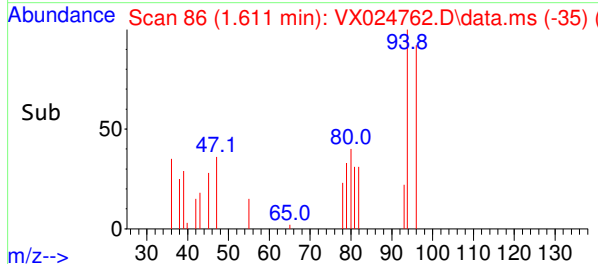
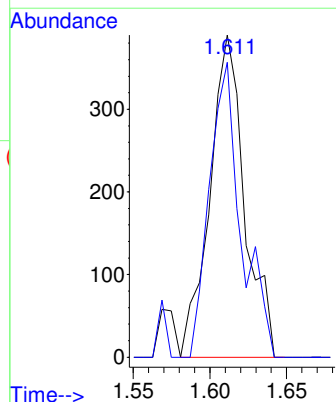
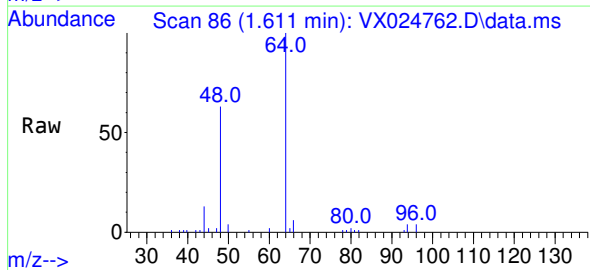




#5
Bromomethane
Concen: 0.72 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

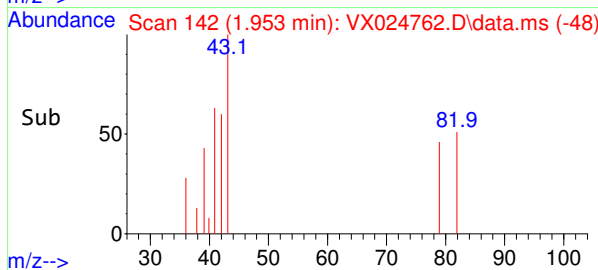
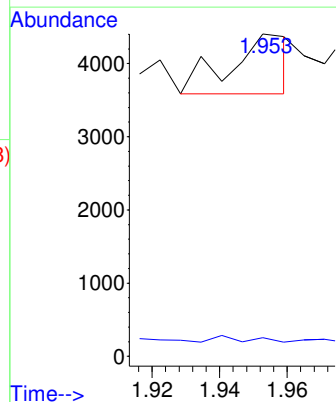
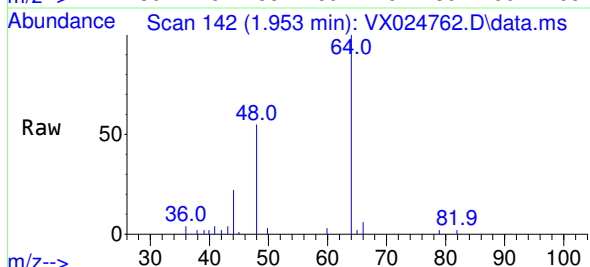
Instrument :
MSVOA_X
ClientSampled :

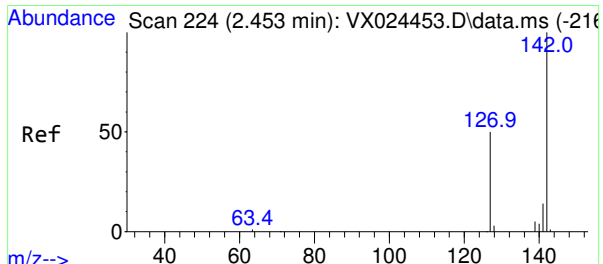
Tgt Ion: 94 Resp: 615
Ion Ratio Lower Upper
94 100
96 91.5 76.4 114.6



#6
Chloroethane
Concen: 1.43 ug/l
RT: 1.953 min Scan# 142
Delta R.T. 0.274 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 64 Resp: 1000
Ion Ratio Lower Upper
64 100
66 7.6 25.4 38.0#

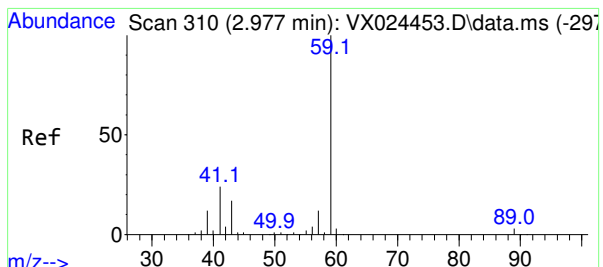
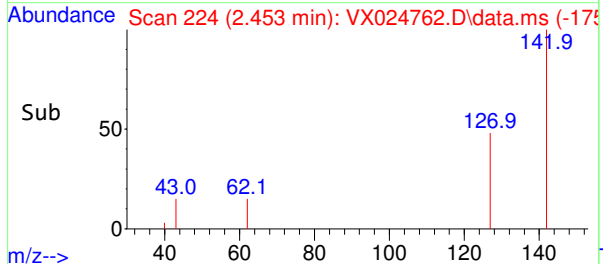
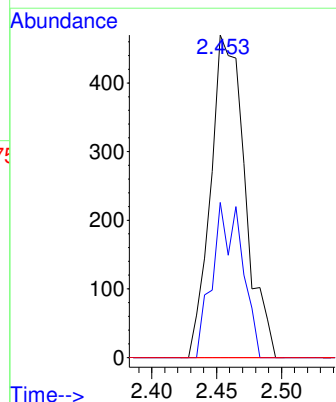
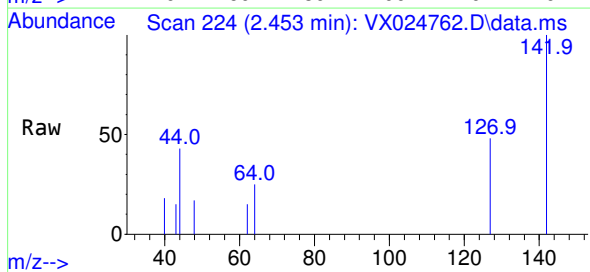




#10
Methyl Iodide
Concen: 0.49 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

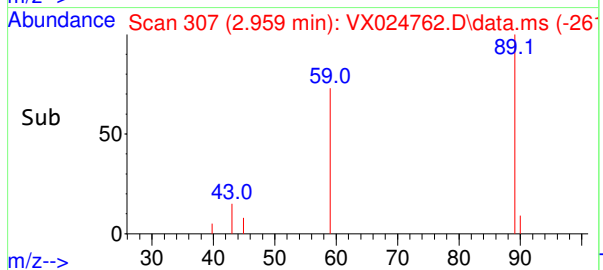
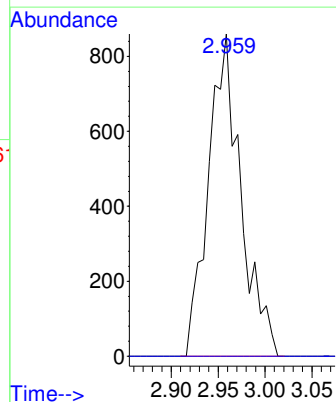
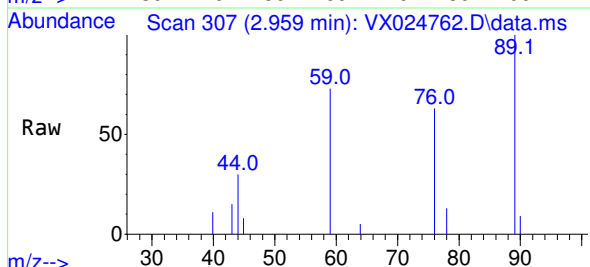
Instrument :
MSVOA_X
ClientSampled :

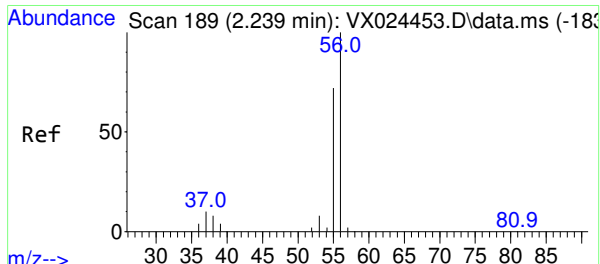
Tgt Ion:	142	Resp:	865
Ion	Ratio	Lower	Upper
142	100		
127	41.3	33.3	49.9
141	0.0	11.4	17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion:	59	Resp:	2074
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

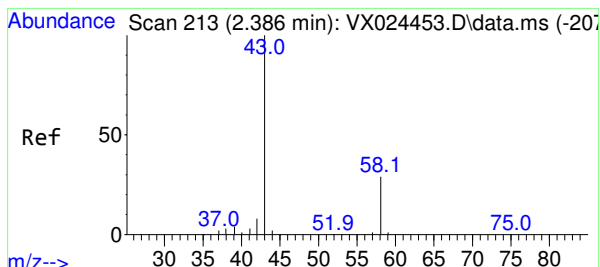
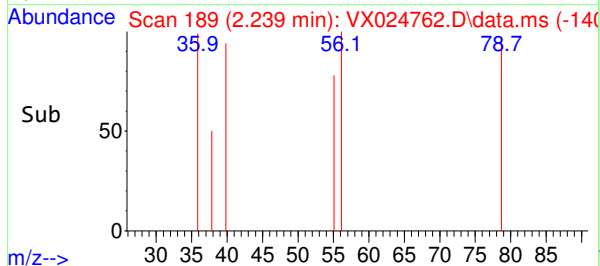
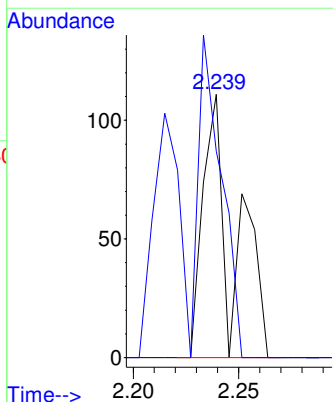
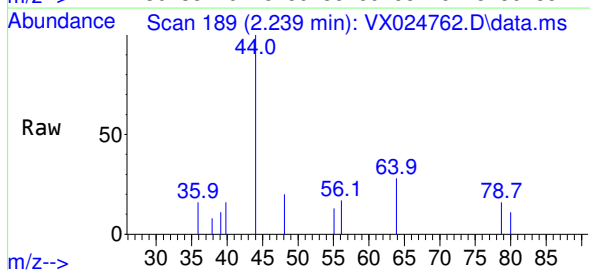




#13
Acrolein
Concen: 11.17 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

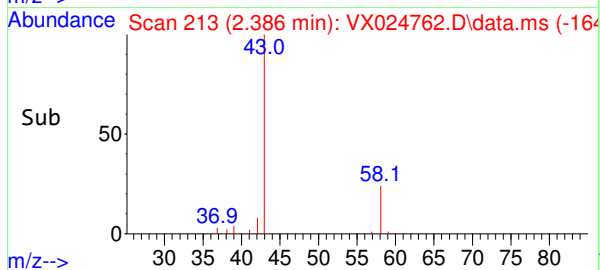
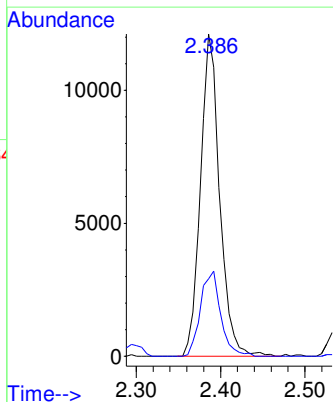
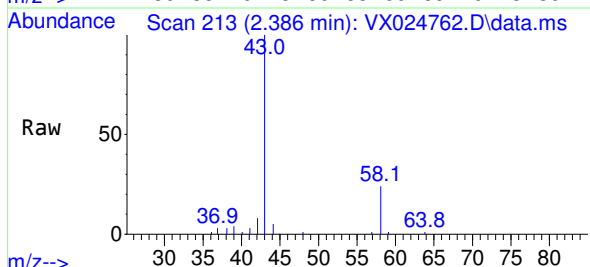
Instrument :
MSVOA_X
ClientSampled :

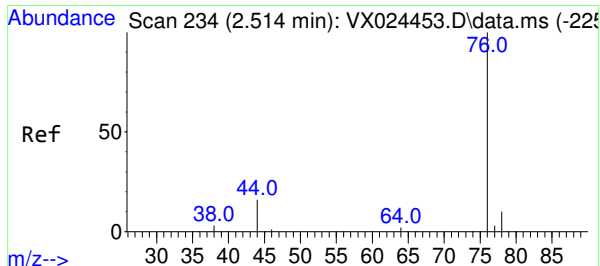
Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 92.0 56.4 84.6#



#16
Acetone
Concen: 15.64 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 43 Resp: 19163
Ion Ratio Lower Upper
43 100
58 24.1 27.8 41.8#

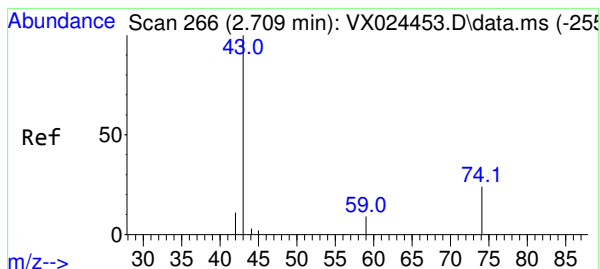
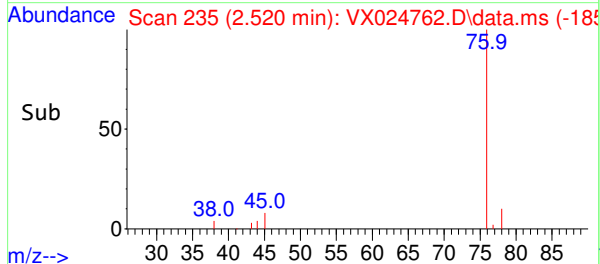
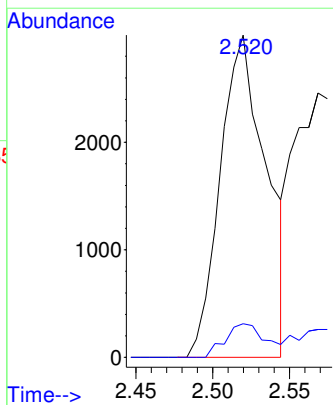
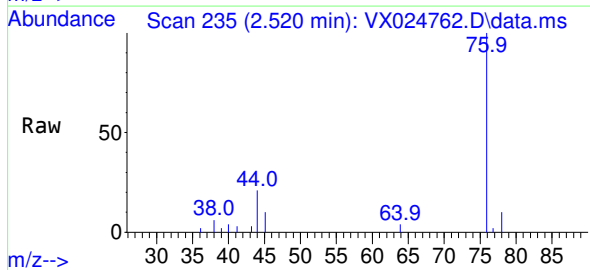




#17
Carbon Disulfide
Concen: 2.28 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

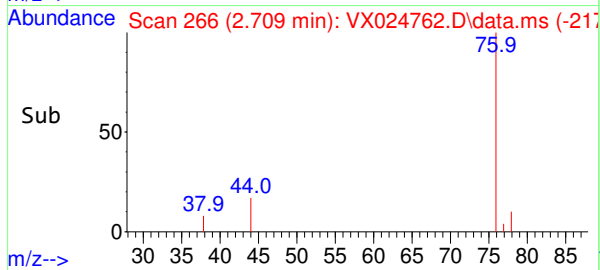
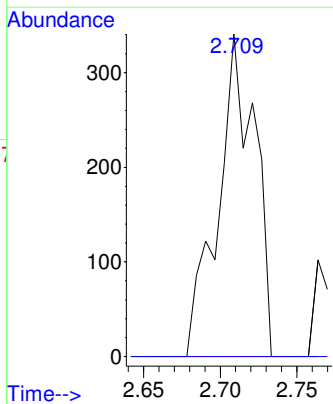
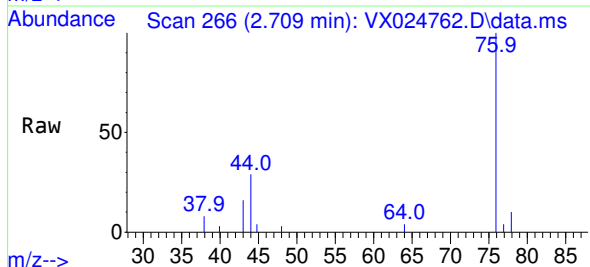
Instrument :
MSVOA_X
ClientSampled :

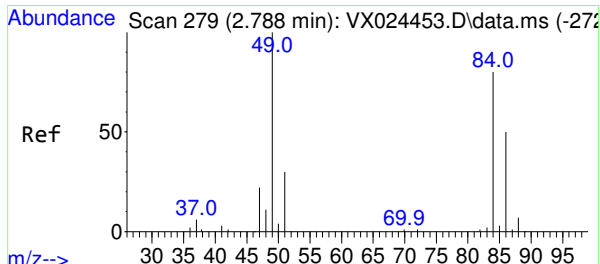
Tgt Ion: 76 Resp: 6231
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

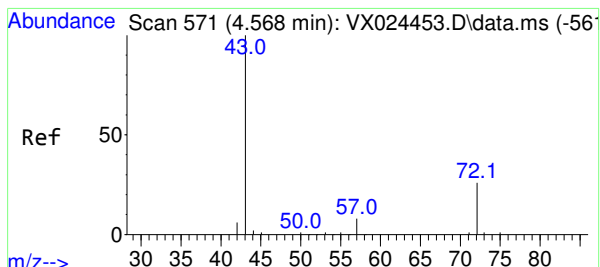
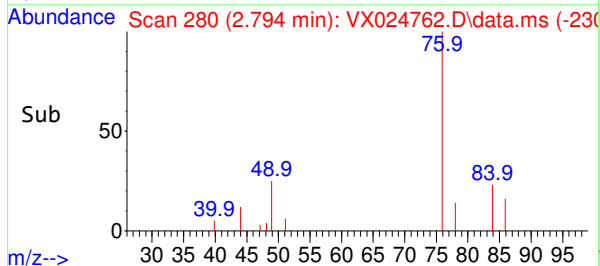
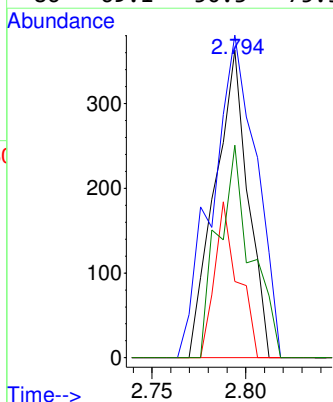
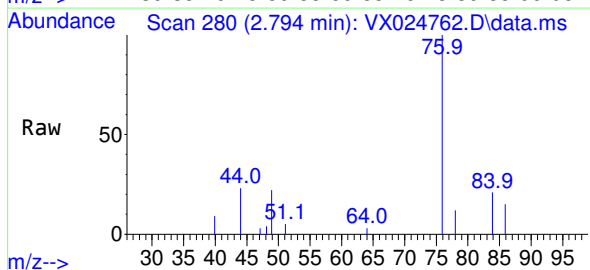




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

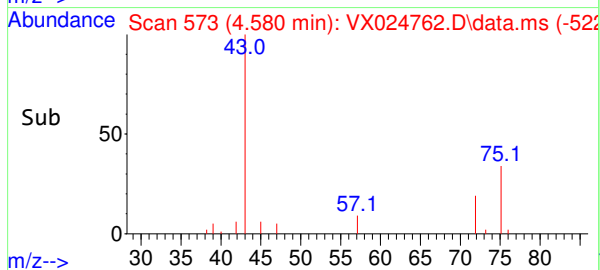
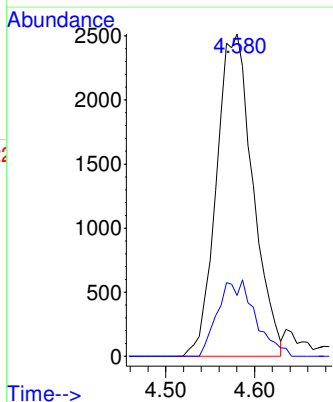
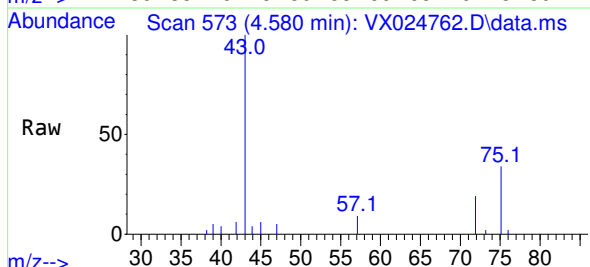
Instrument :
MSVOA_X
ClientSampled :

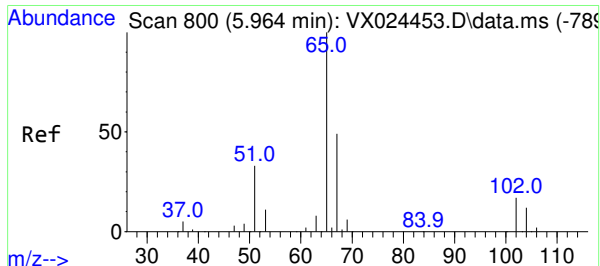
Tgt Ion:	84	Resp:	445
Ion	Ratio	Lower	Upper
84	100		
49	105.0	88.6	132.8
51	24.8	27.0	40.6#
86	69.1	50.3	75.5



#25
2-Butanone
Concen: 5.77 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion:	43	Resp:	7175
Ion	Ratio	Lower	Upper
43	100		
72	18.9	23.7	35.5#

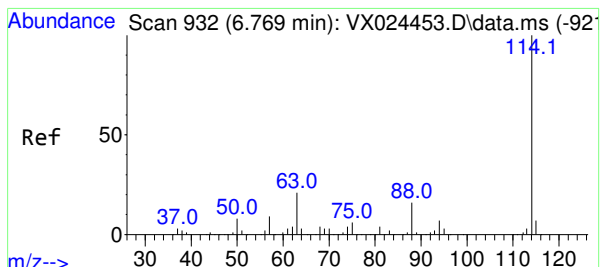
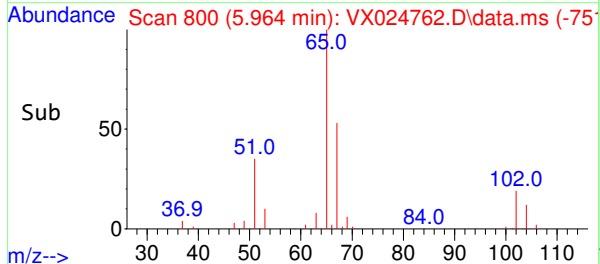
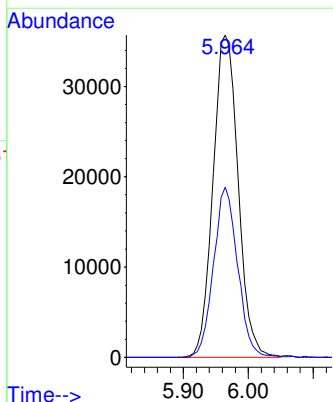
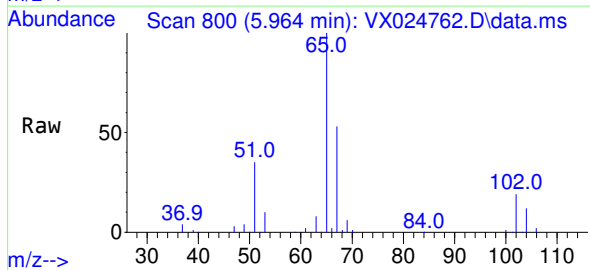




#33
1,2-Dichloroethane-d4
Concen: 53.19 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

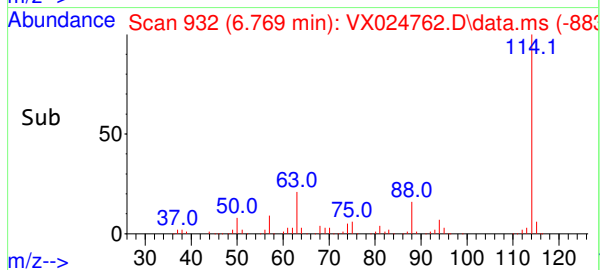
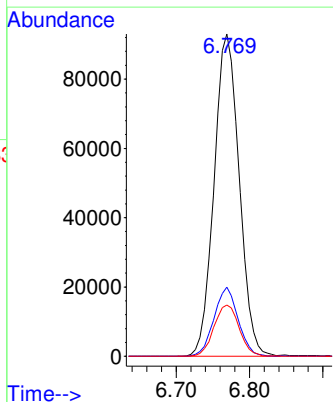
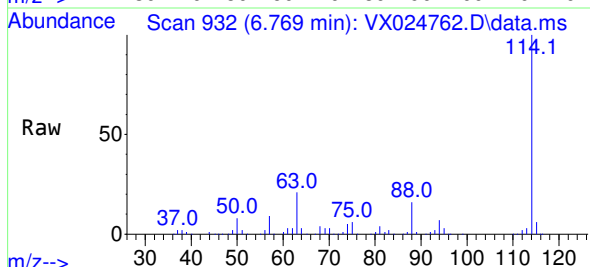
Instrument :
MSVOA_X
ClientSampled :

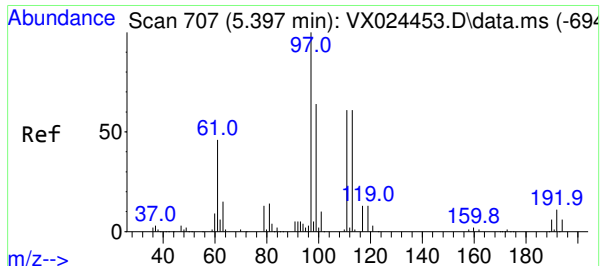
Tgt Ion: 65 Resp: 96061
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion:114 Resp: 220755
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 15.9 0.0 32.8

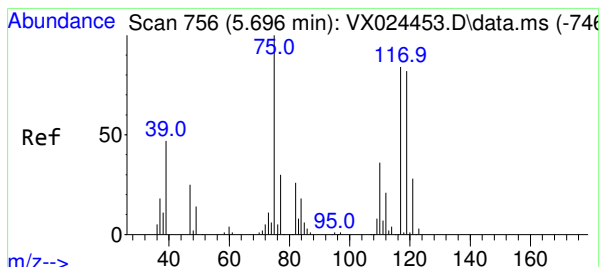
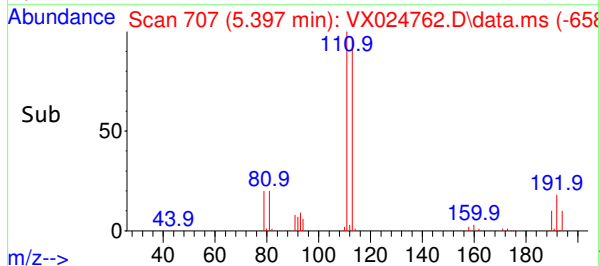
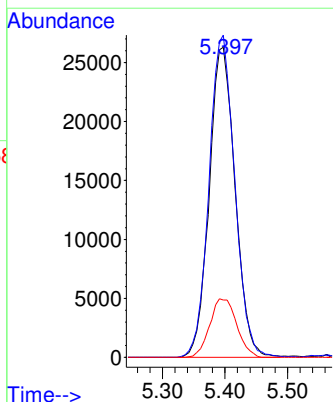
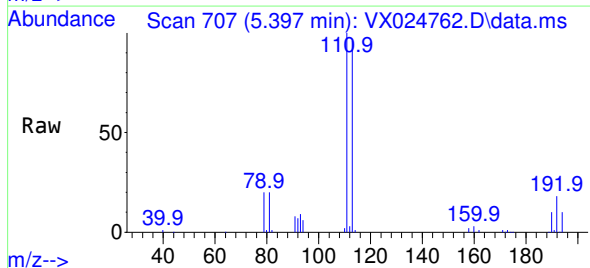




#35
Dibromofluoromethane
Concen: 51.53 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

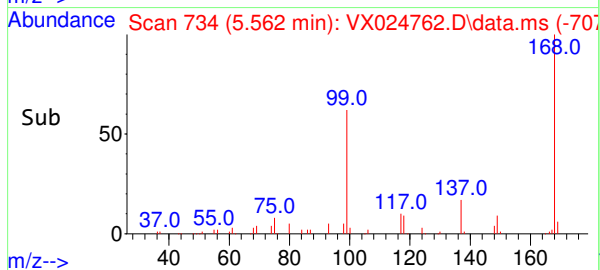
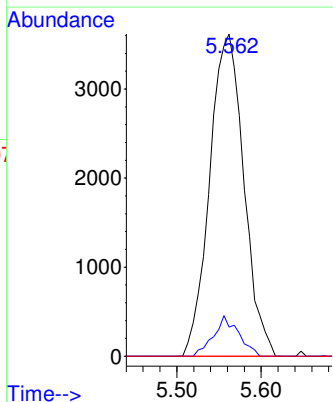
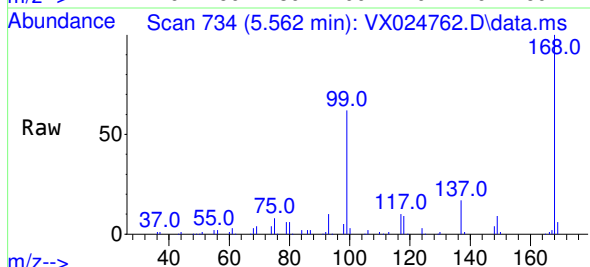
Instrument :
MSVOA_X
ClientSampled :

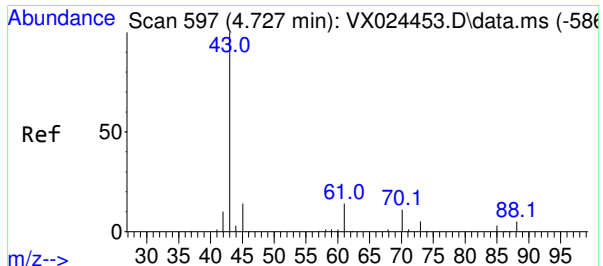
Tgt Ion:113 Resp: 75577
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 75 Resp: 10200
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.72 ug/l

RT: 4.580 min Scan# 573

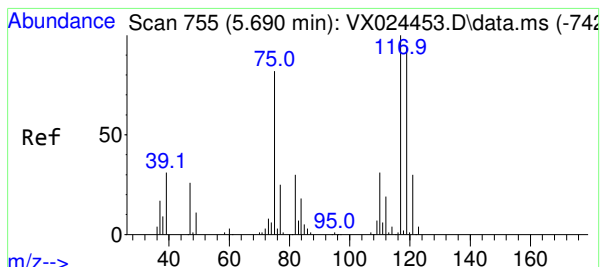
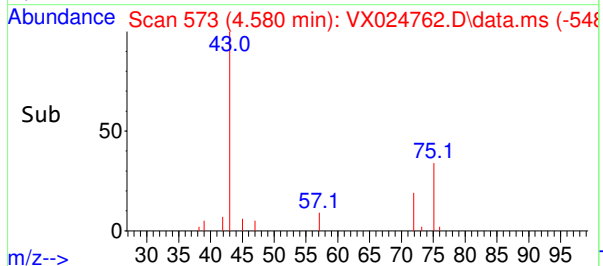
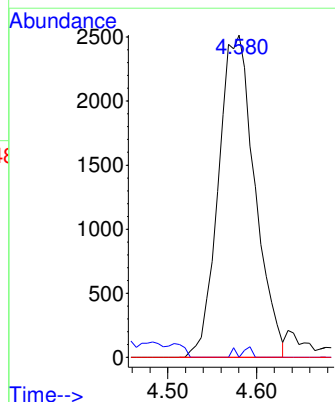
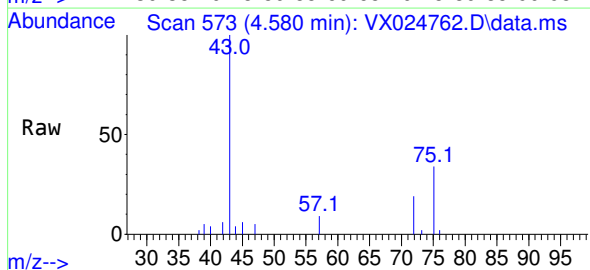
Delta R.T. -0.147 min

Lab File: VX024762.D

Acq: 12 Oct 2021 14:51

Tgt Ion:	43	Resp:	7175
Ion	Ratio	Lower	Upper
43	100		
61	0.4	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.88 ug/l

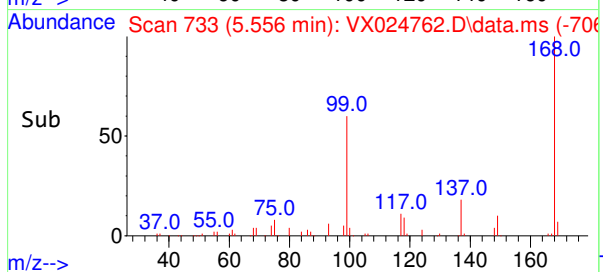
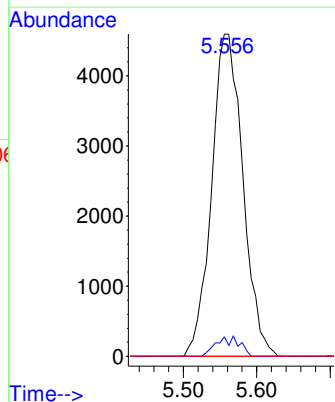
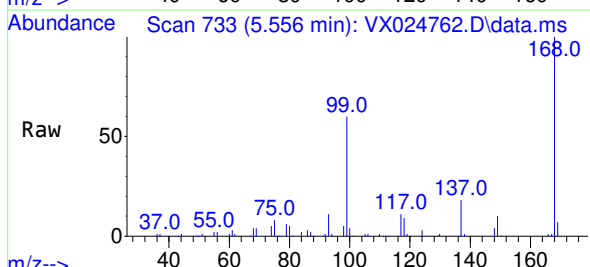
RT: 5.556 min Scan# 733

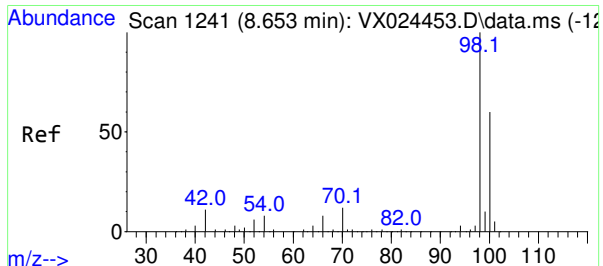
Delta R.T. -0.134 min

Lab File: VX024762.D

Acq: 12 Oct 2021 14:51

Tgt Ion:	117	Resp:	13553
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	24.8	37.2#

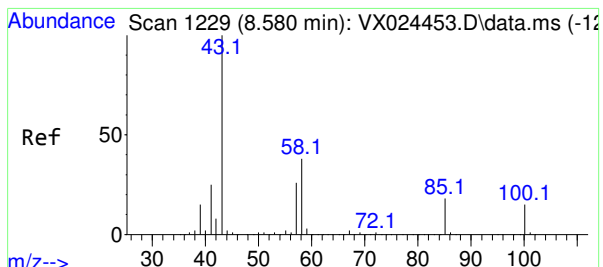
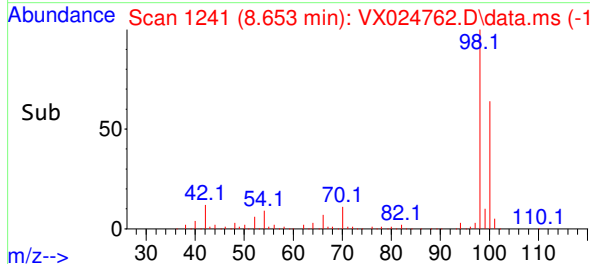
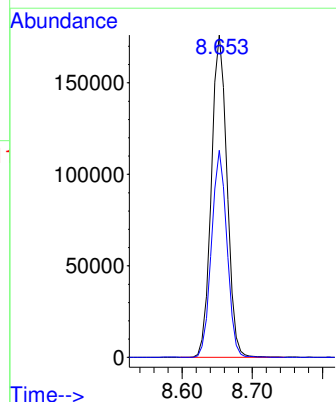
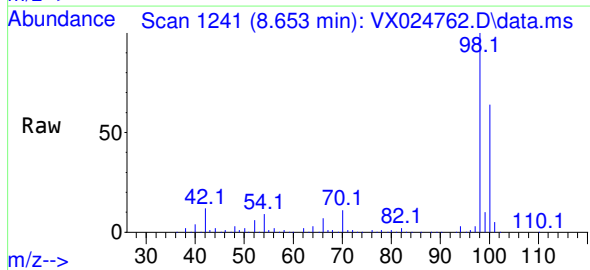




#50
Toluene-d8
Concen: 50.37 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

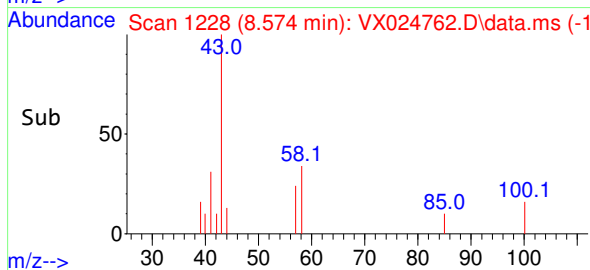
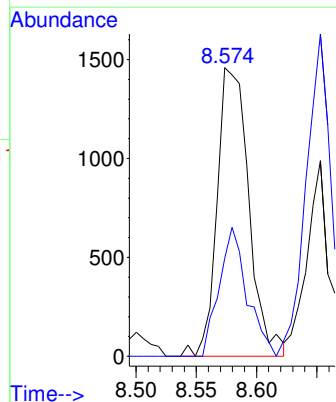
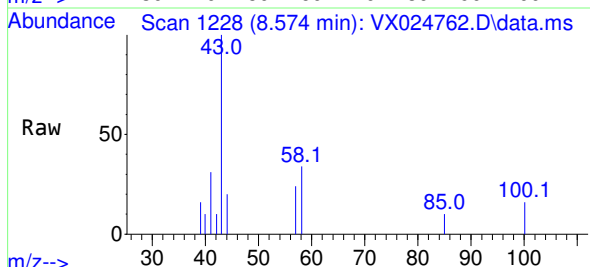
Instrument :
MSVOA_X
ClientSampled :

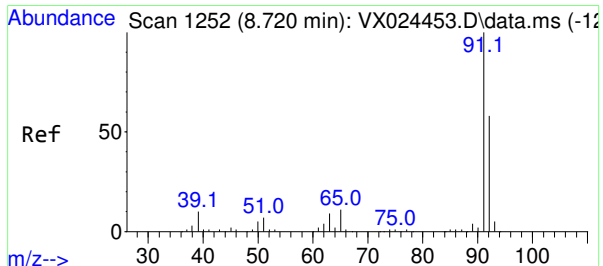
Tgt Ion: 98 Resp: 271901
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.01 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 43 Resp: 2670
Ion Ratio Lower Upper
43 100
58 39.4 35.4 53.0

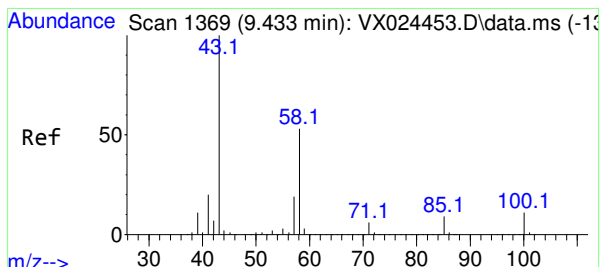
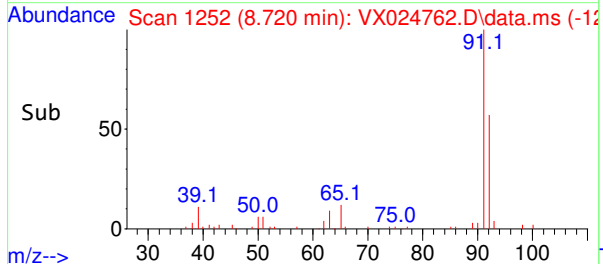
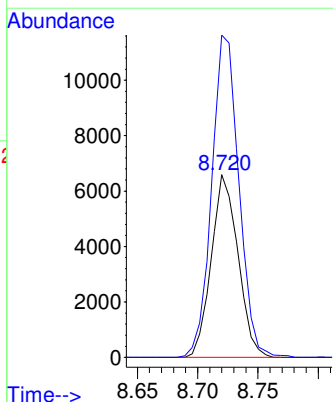
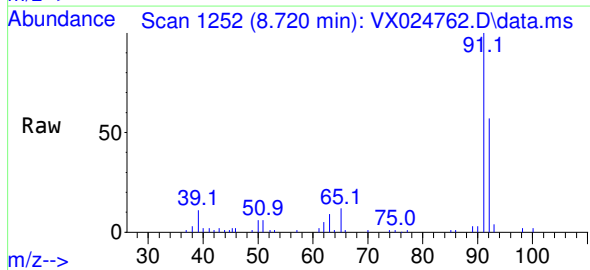




#52
Toluene
Concen: 2.59 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

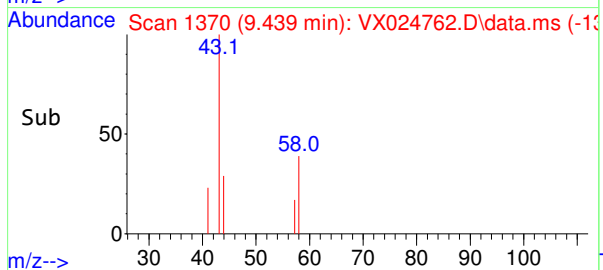
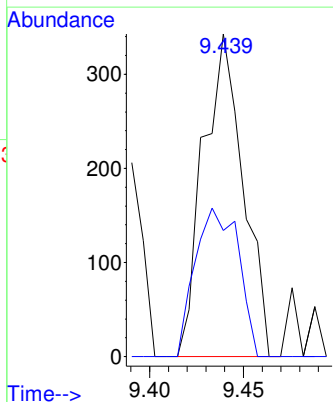
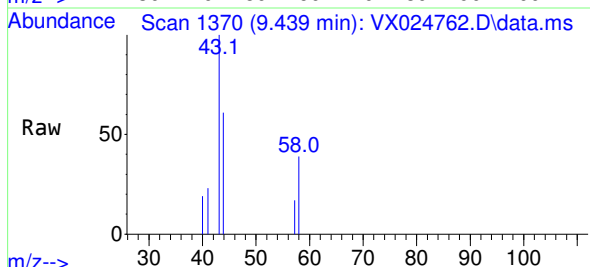
Instrument :
MSVOA_X
ClientSampled :

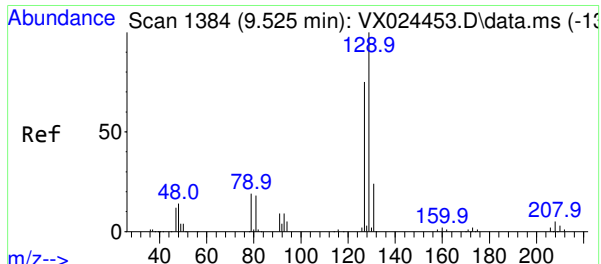
Tgt Ion: 92 Resp: 10121
Ion Ratio Lower Upper
92 100
91 179.9 137.1 205.7



#59
2-Hexanone
Concen: 0.24 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
58 49.9 30.9 92.8

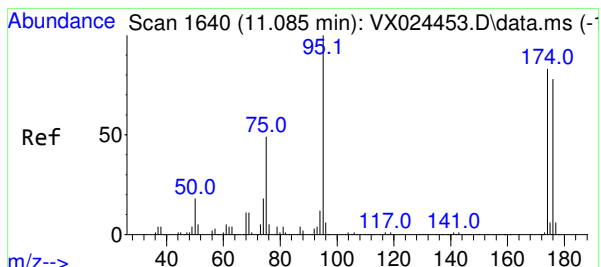
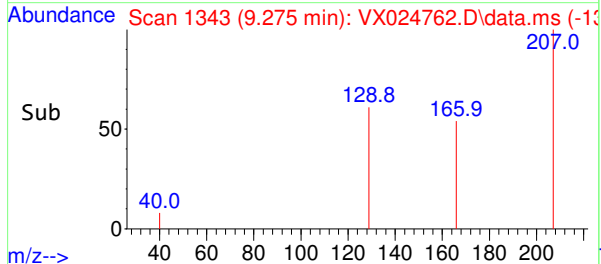
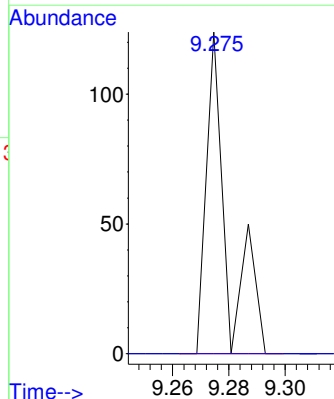
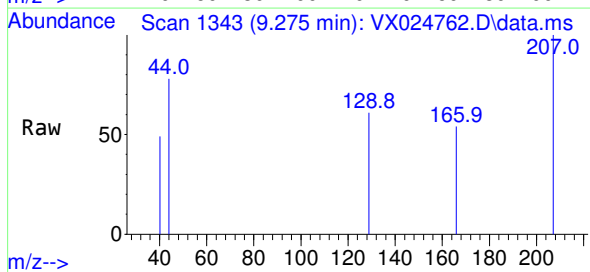




#60
Dibromochloromethane
Concen: 1.22 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

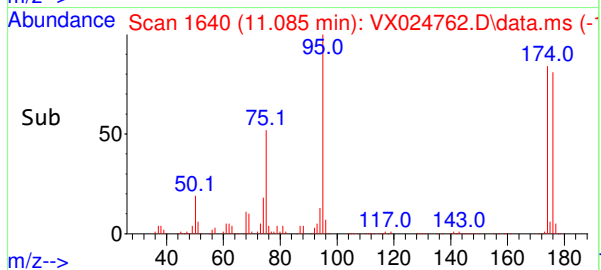
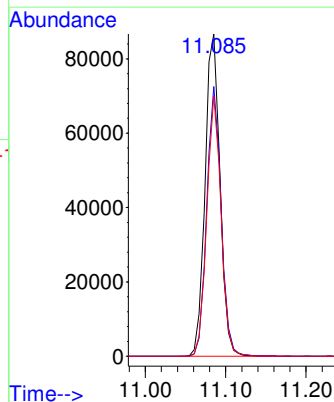
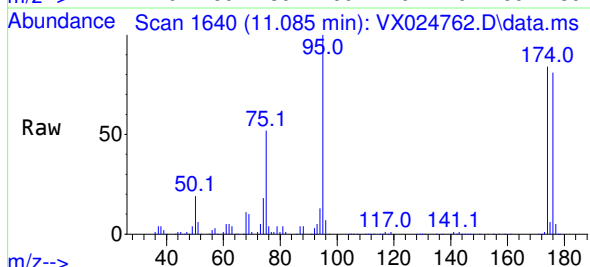
Instrument :
MSVOA_X
ClientSampled :

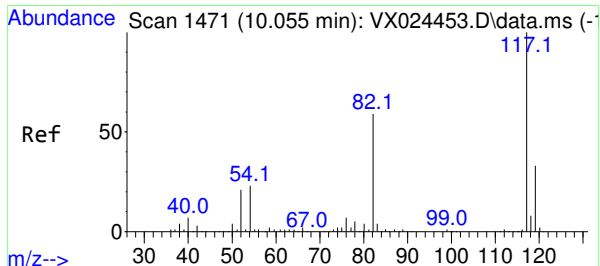
Tgt Ion:129 Resp: 64
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 52.69 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 95 Resp: 111819
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 77.1 0.0 155.8

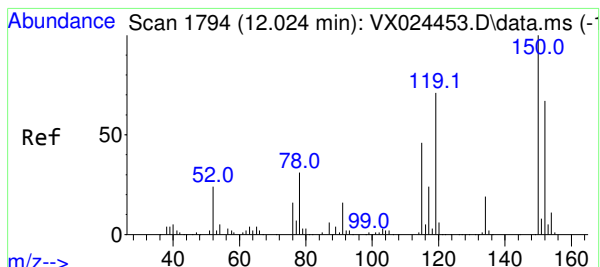
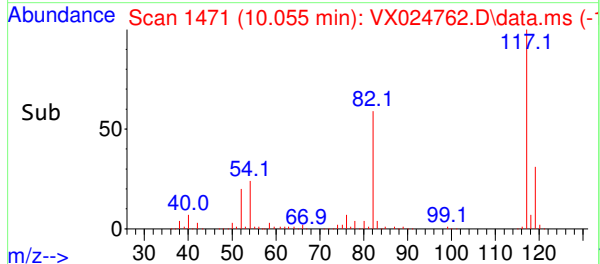
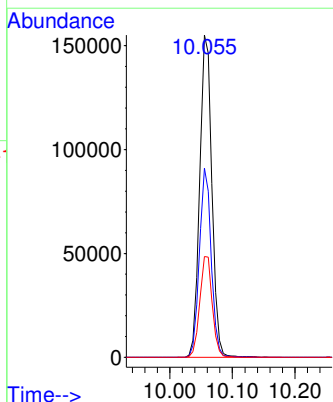
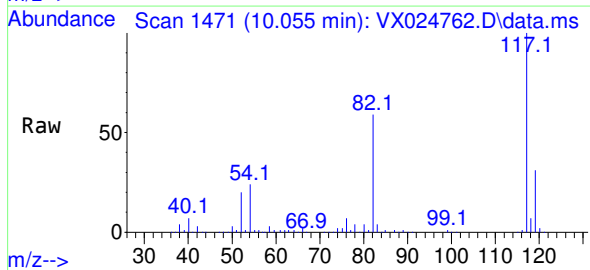




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

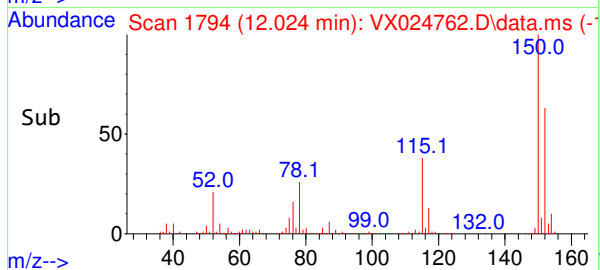
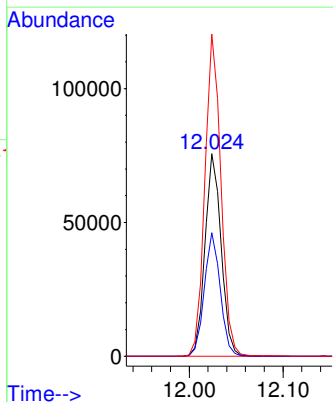
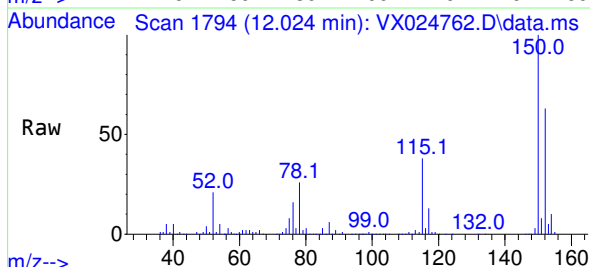
Instrument :
MSVOA_X
ClientSampled :

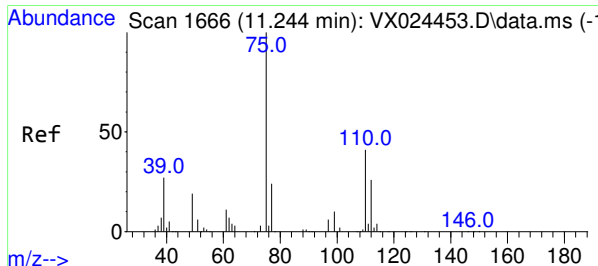
Tgt Ion:	117	Resp:	211922
Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.4	71.2
119	31.3	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion:	152	Resp:	91095
Ion	Ratio	Lower	Upper
152	100		
115	60.1	41.1	123.3
150	158.1	0.0	349.0

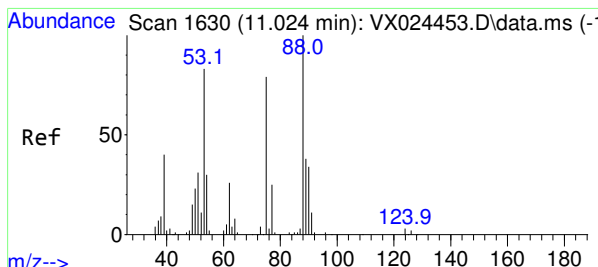
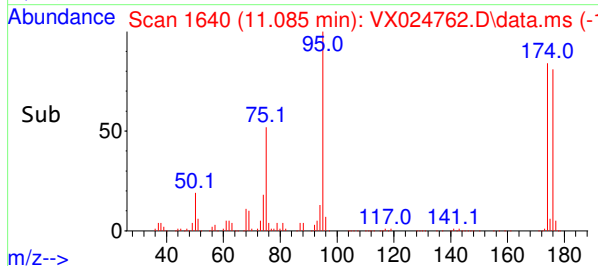
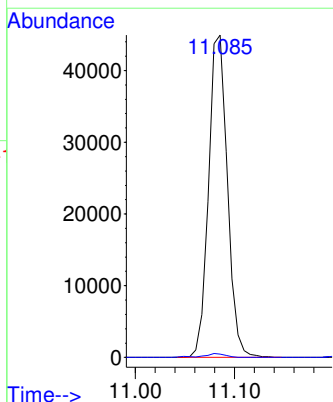
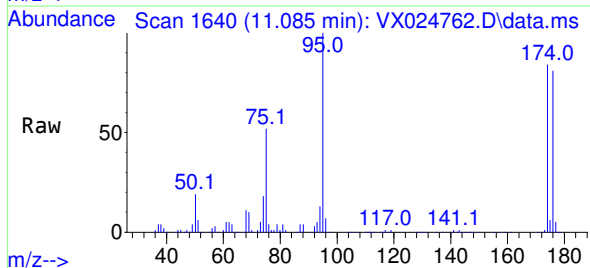




#76
1,2,3-Trichloropropane
Concen: 28.68 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

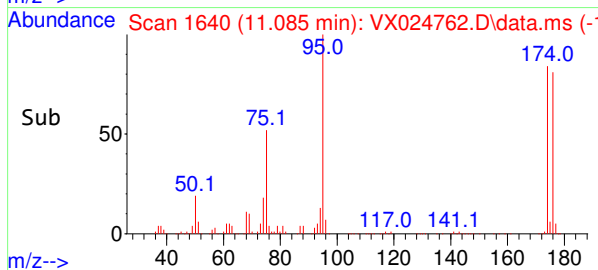
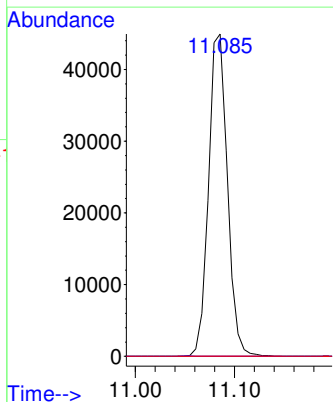
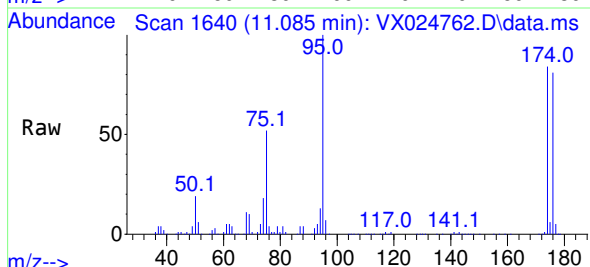
Instrument :
MSVOA_X
ClientSampled :

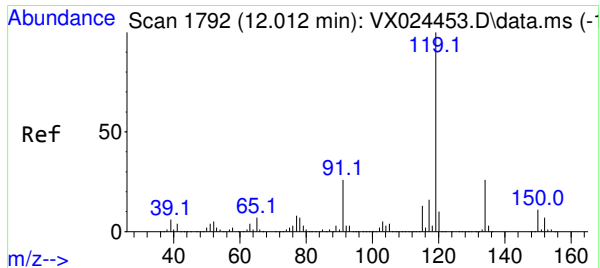
Tgt Ion: 75 Resp: 59337
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.93 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion: 75 Resp: 59337
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

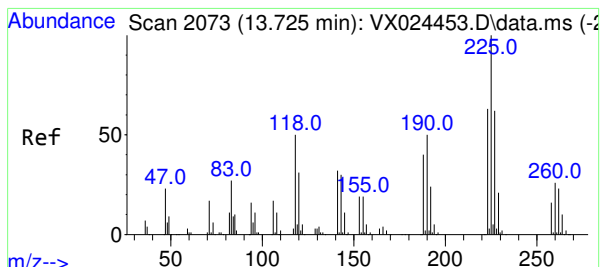
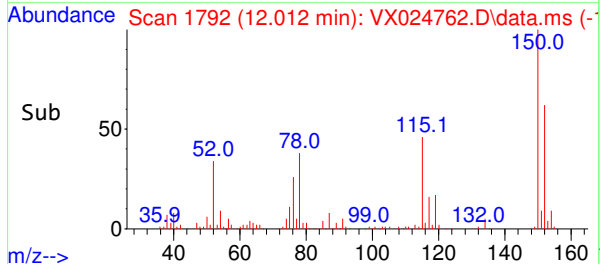
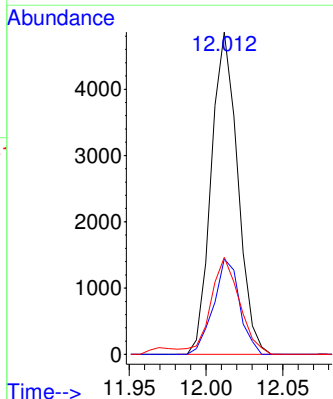
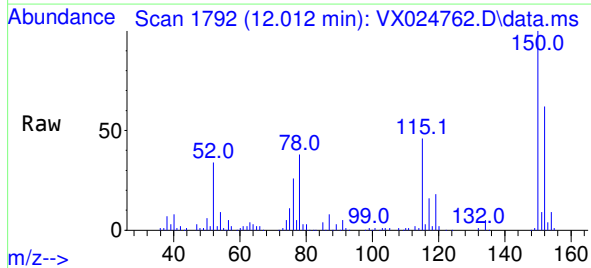




#86
p-Isopropyltoluene
Concen: 1.00 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	119	Resp:	5812
Ion	Ratio	Lower	Upper
119	100		
134	29.2	12.9	38.7
91	32.9	11.7	35.0



#94
Hexachlorobutadiene
Concen: 0.28 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX024762.D
Acq: 12 Oct 2021 14:51

Tgt Ion:	225	Resp:	252
Ion	Ratio	Lower	Upper
225	100		
223	77.0	31.1	93.2
227	41.7	31.6	95.0

