

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101221\
 Data File : VX024766.D
 Acq On : 12 Oct 2021 16:25
 Operator : JC/MD
 Sample : M4170-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

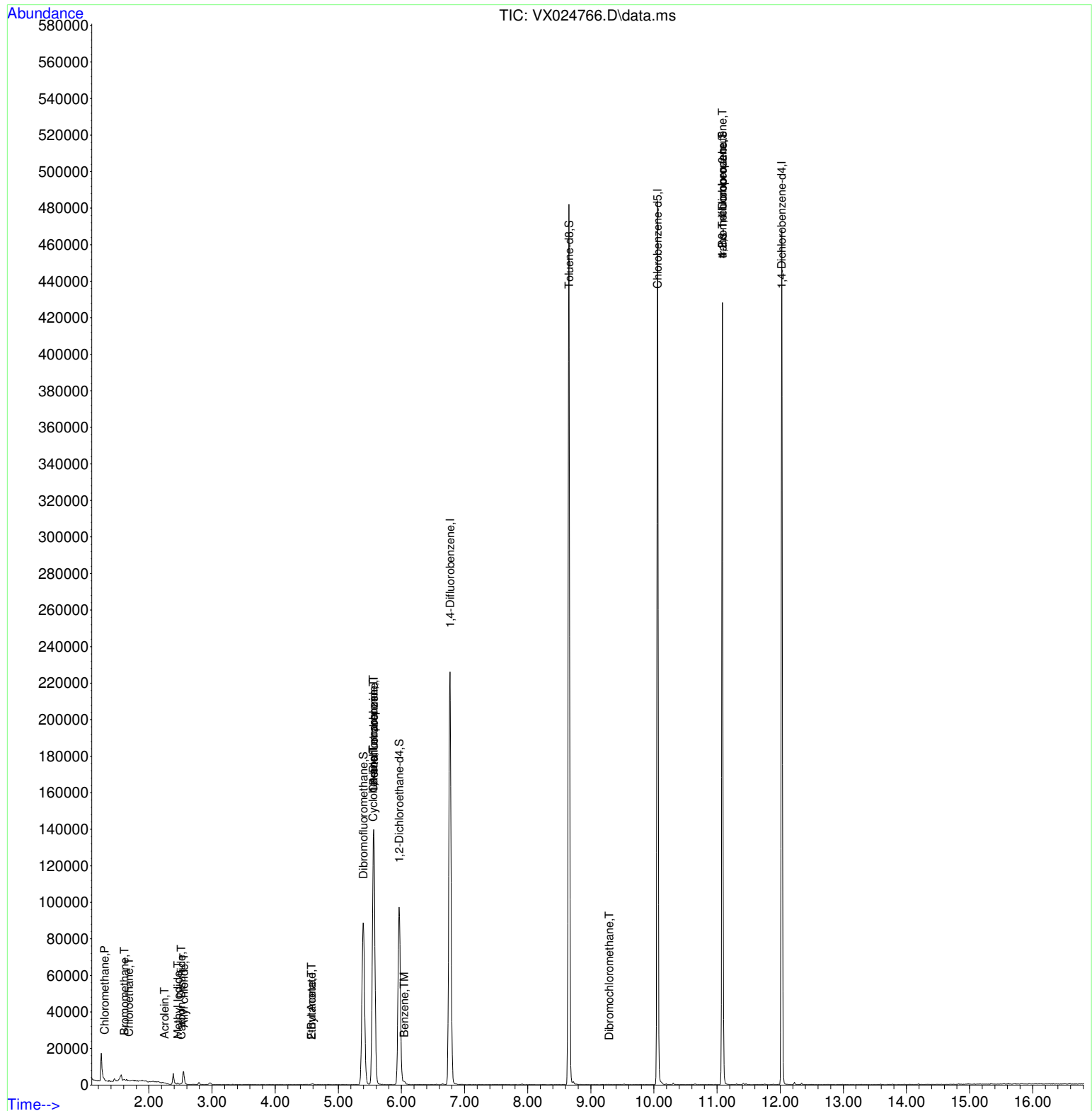
Quant Time: Oct 12 16:48:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

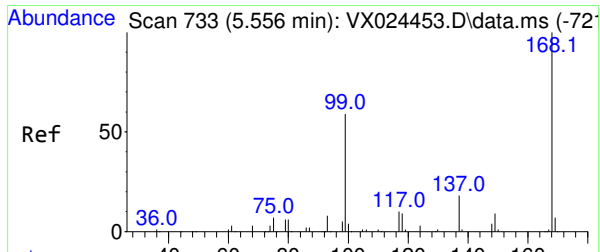
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	128758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225005	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93633	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98702	54.39	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.78%			
35) Dibromofluoromethane	5.397	113	77619	51.93	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.86%			
50) Toluene-d8	8.653	98	276385	50.24	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.48%			
62) 4-Bromofluorobenzene	11.085	95	108457	50.14	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.28%			
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	373	0.31	ug/l	93
5) Bromomethane	1.611	94	317	0.37	ug/l	96
6) Chloroethane	1.685	64	329	0.64	ug/l #	43
10) Methyl Iodide	2.459	142	754	0.42	ug/l #	92
11) Tert butyl alcohol	2.965	59	1007	Below Cal	#	85
13) Acrolein	2.246	56	24	10.29	ug/l #	14
14) Allyl chloride	2.550	41	740	0.34	ug/l #	39
16) Acetone	2.386	43	5632	Below Cal		89
17) Carbon Disulfide	2.514	76	553	0.41	ug/l #	75
20) Methylene Chloride	2.794	84	580	Below Cal	#	90
25) 2-Butanone	4.574	43	729	0.58	ug/l #	45
31) Cyclohexane	5.550	56	2981	1.37	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	10026	4.65	ug/l #	49
37) Ethyl Acetate	4.574	43	729	0.27	ug/l #	64
38) Carbon Tetrachloride	5.556	117	13441	5.72	ug/l #	16
40) Benzene	6.044	78	1760	0.29	ug/l	100
60) Dibromochloromethane	9.293	129	20	1.20	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	58125	27.34	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	58125	74.36	ug/l #	12

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

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 12 16:48:22 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

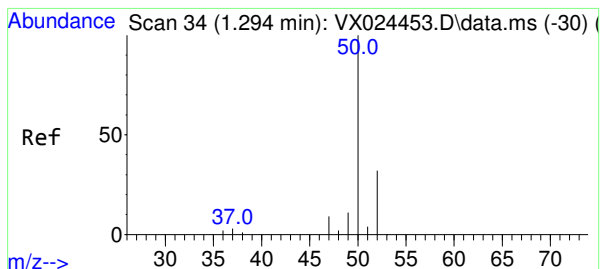
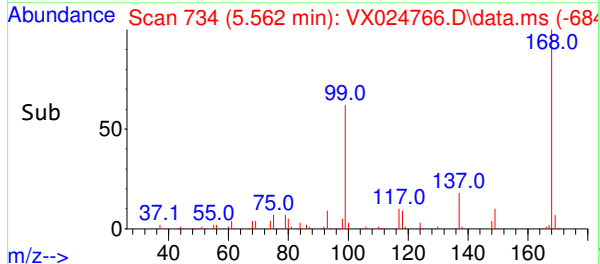
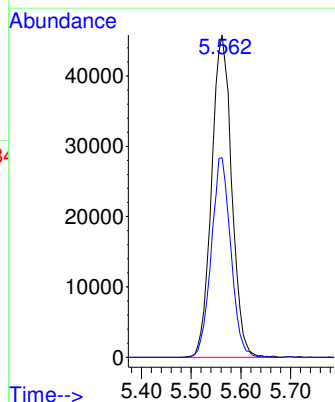
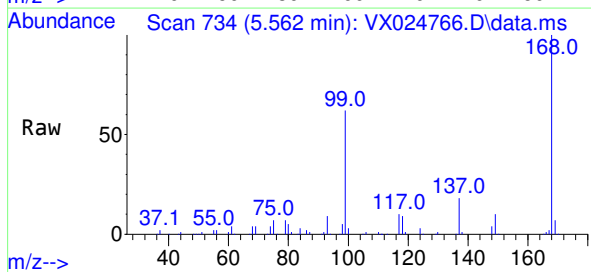




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

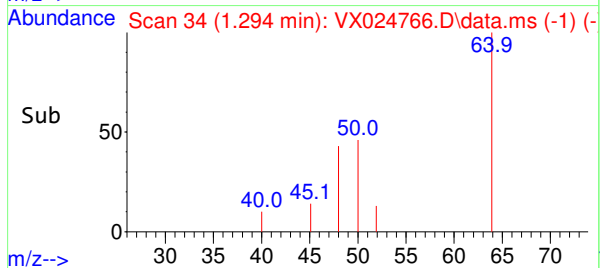
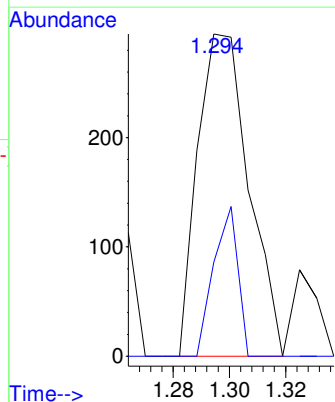
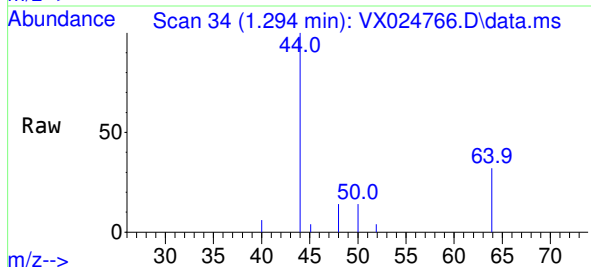
Instrument :
MSVOA_X
ClientSampled :

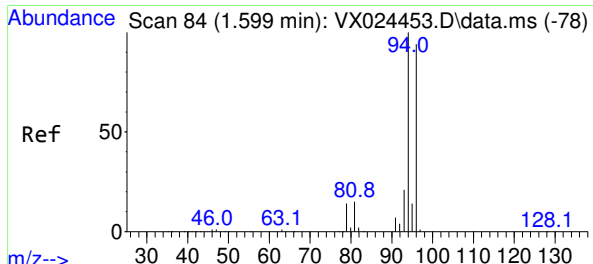
Tgt Ion:168 Resp: 128758
Ion Ratio Lower Upper
168 100
99 61.9 45.8 68.6



#3
Chloromethane
Concen: 0.31 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 29.2 26.4 39.6

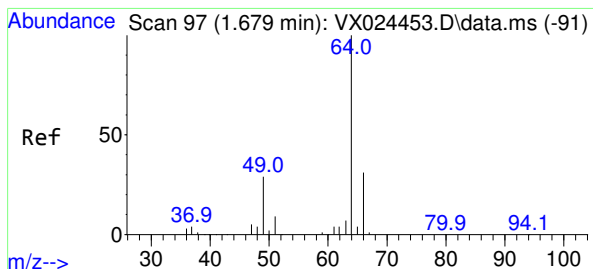
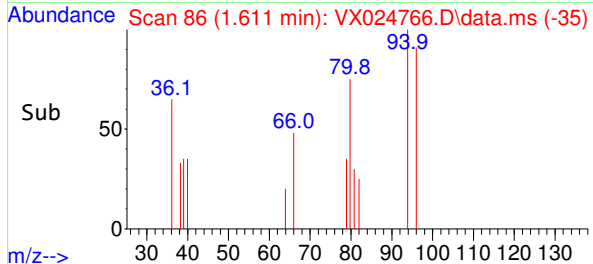
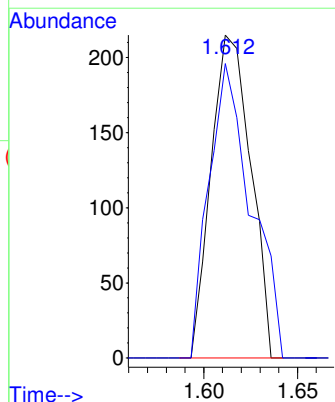
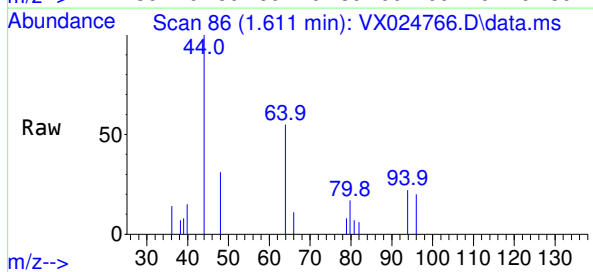




#5
Bromomethane
Concen: 0.37 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

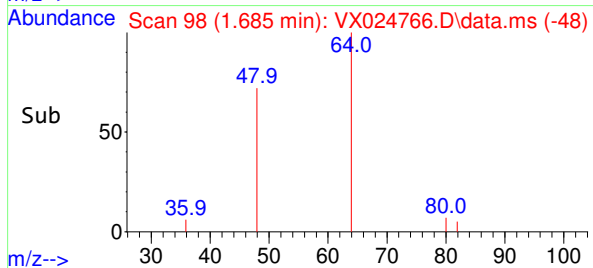
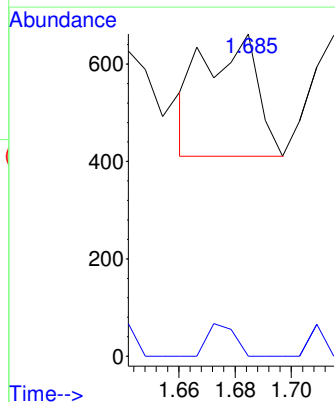
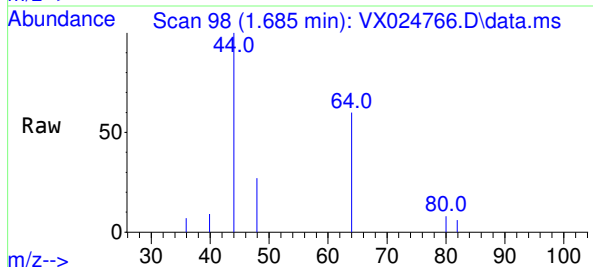
Instrument :
MSVOA_X
ClientSampled :

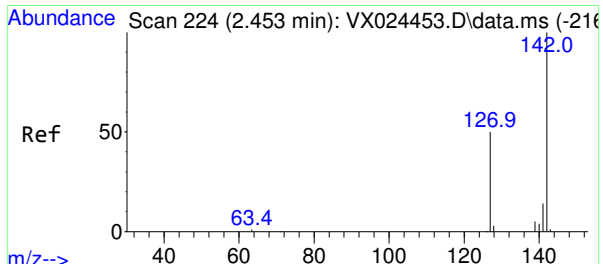
Tgt Ion: 94 Resp: 317
Ion Ratio Lower Upper
94 100
96 91.2 76.4 114.6



#6
Chloroethane
Concen: 0.64 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 64 Resp: 329
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

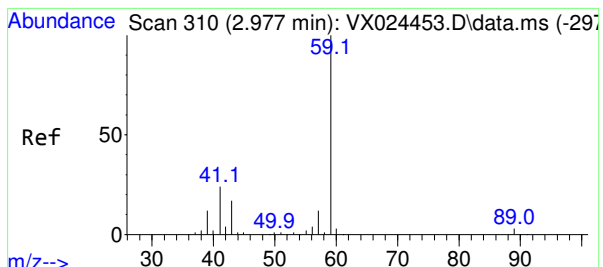
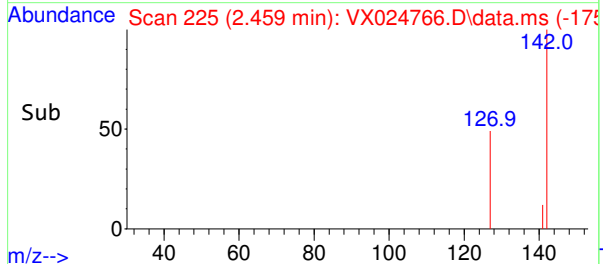
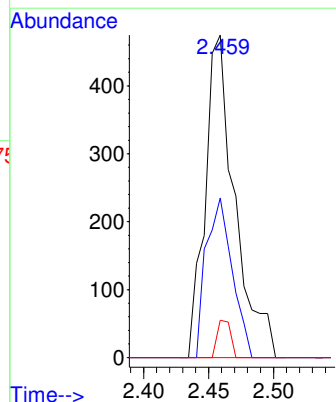
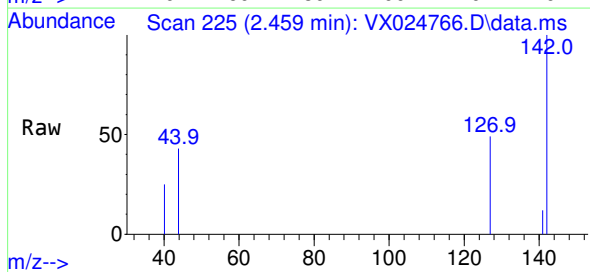




#10
Methyl Iodide
Concen: 0.42 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

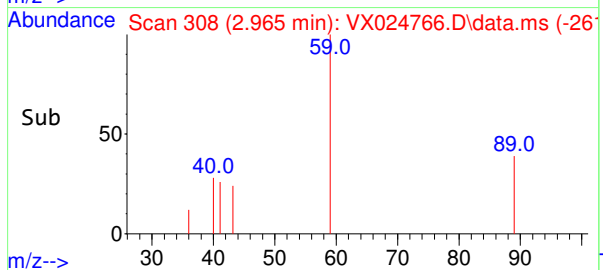
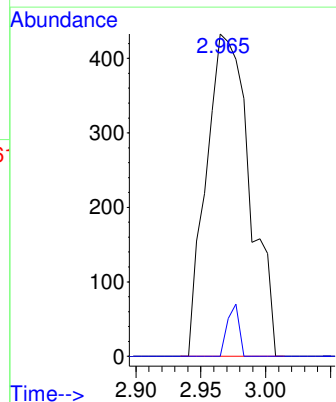
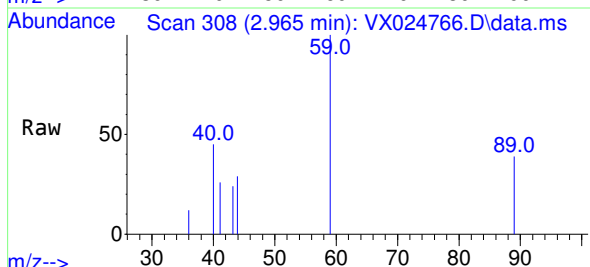
Instrument :
MSVOA_X
ClientSampled :

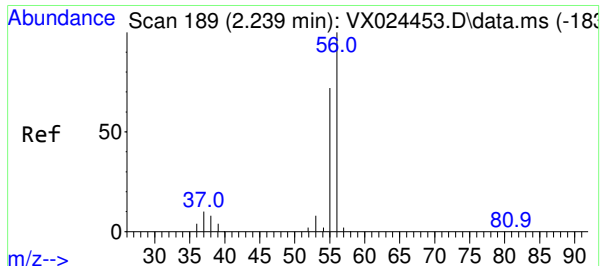
Tgt Ion:	142	Resp:	754
Ion	Ratio	Lower	Upper
142	100		
127	43.4	33.3	49.9
141	5.2	11.4	17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion:	59	Resp:	1007
Ion	Ratio	Lower	Upper
59	100		
57	4.4	7.8	11.8#

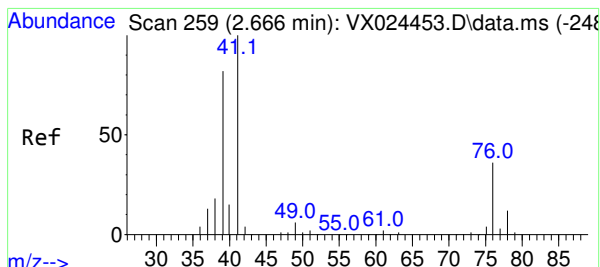
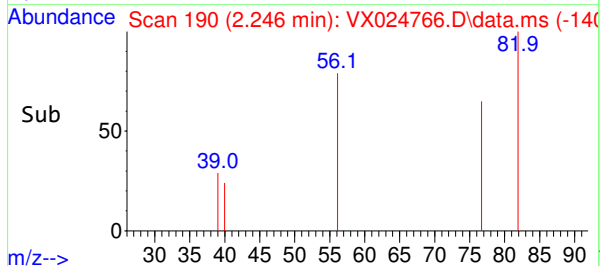
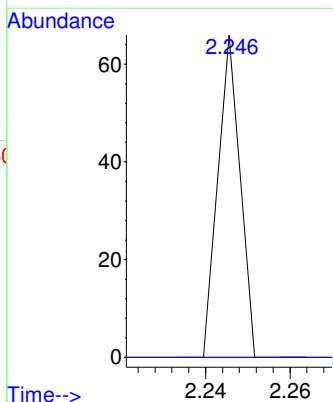
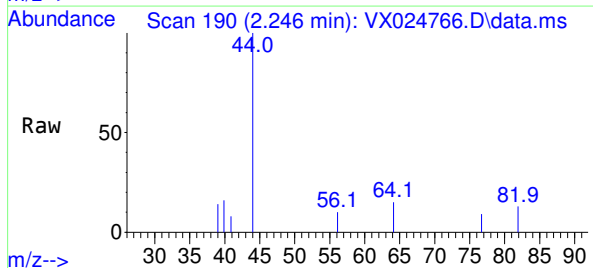




#13
Acrolein
Concen: 10.29 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

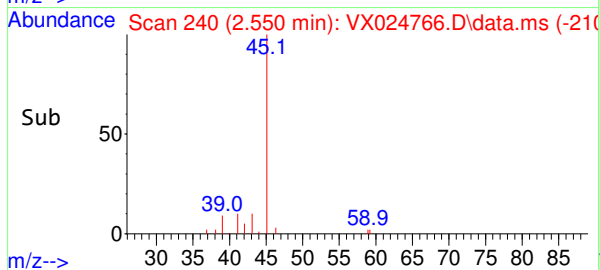
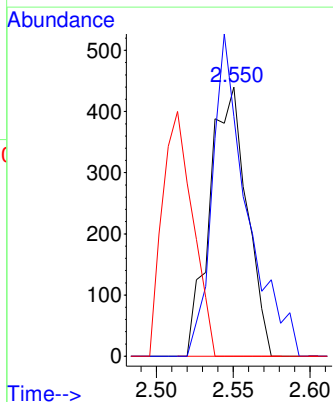
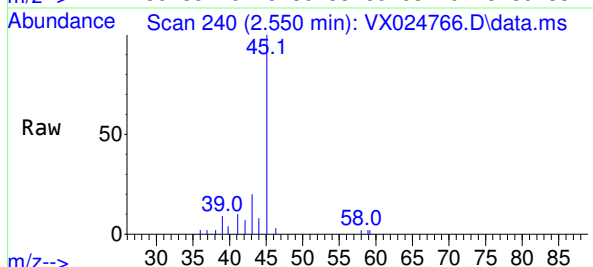
Instrument :
MSVOA_X
ClientSampled :

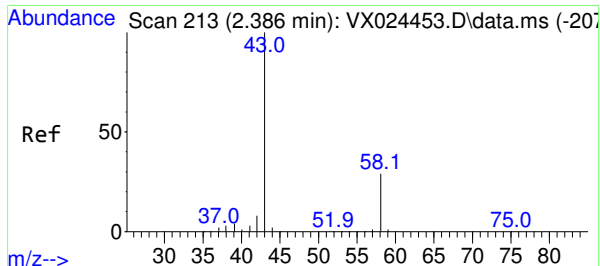
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.34 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 41 Resp: 740
Ion Ratio Lower Upper
41 100
39 111.9 51.6 77.4#
76 0.0 30.5 45.7#

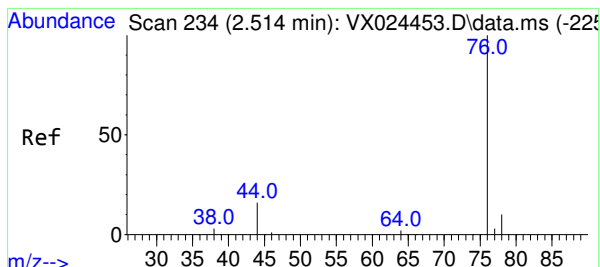
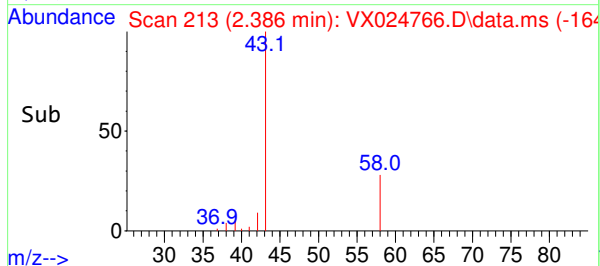
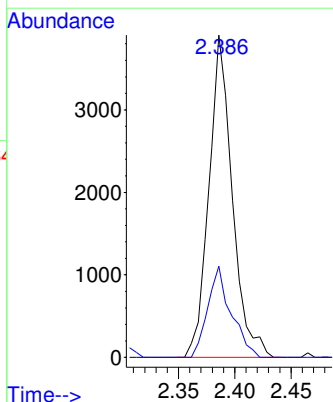
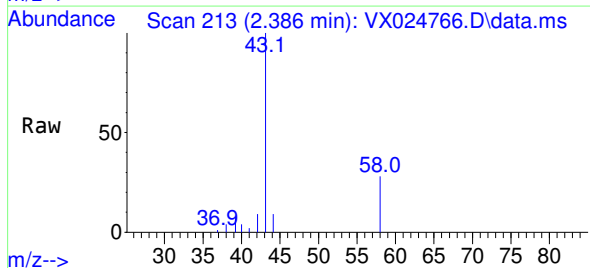




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

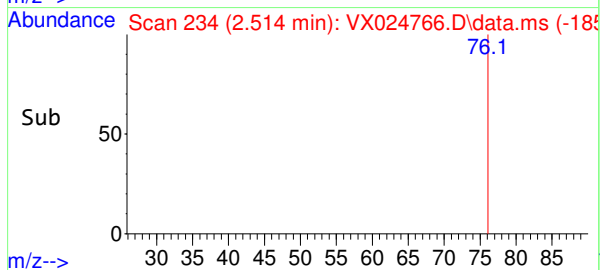
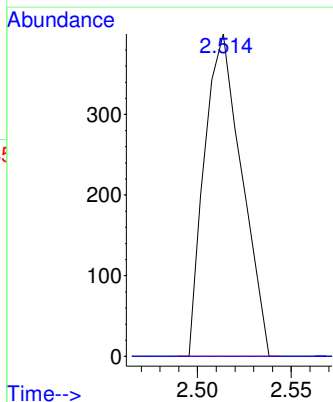
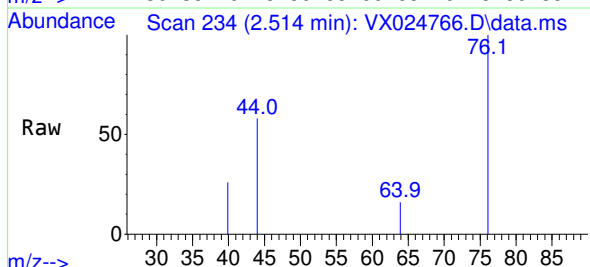
Instrument :
MSVOA_X
ClientSampled :

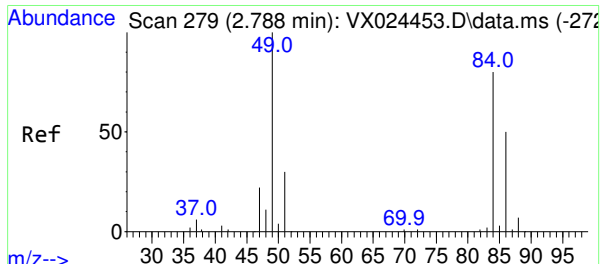
Tgt Ion: 43 Resp: 5632
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8



#17
Carbon Disulfide
Concen: 0.41 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 76 Resp: 553
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

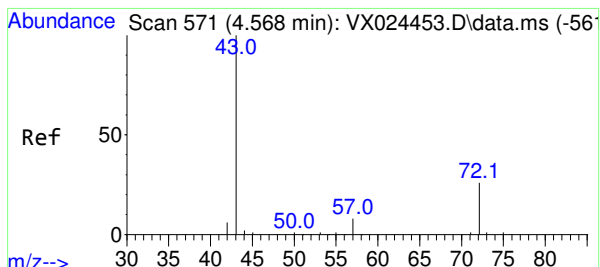
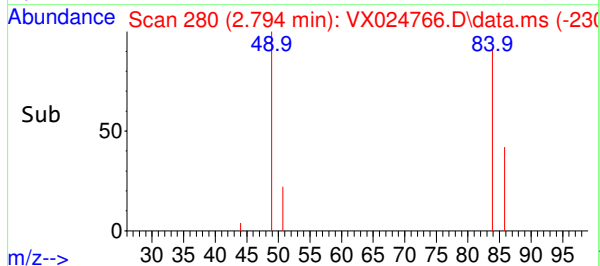
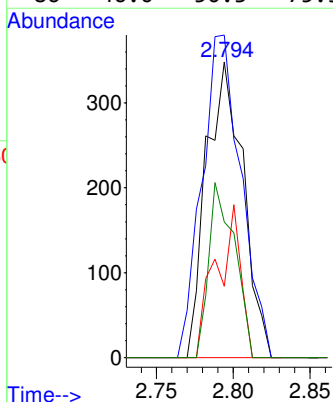
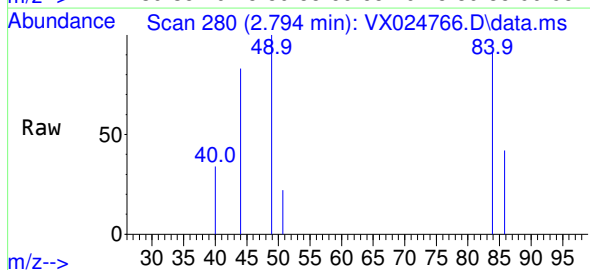




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

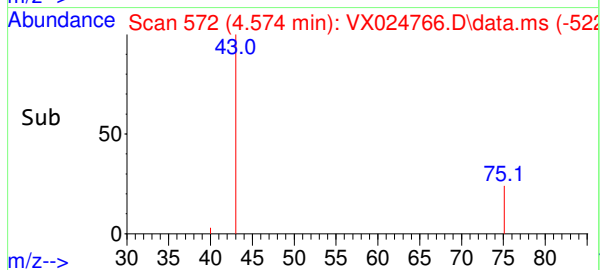
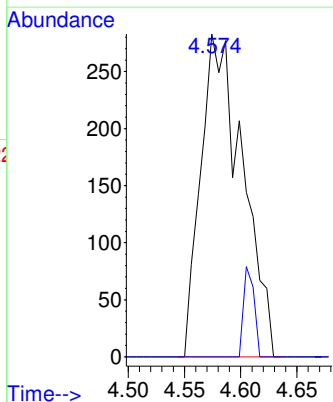
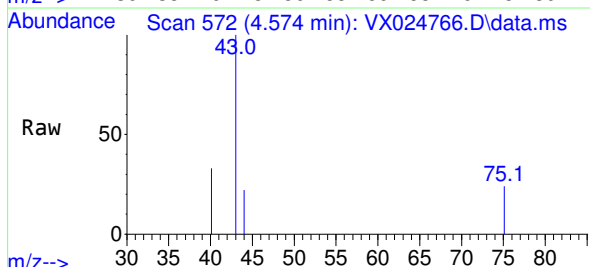
Instrument :
MSVOA_X
ClientSampled :

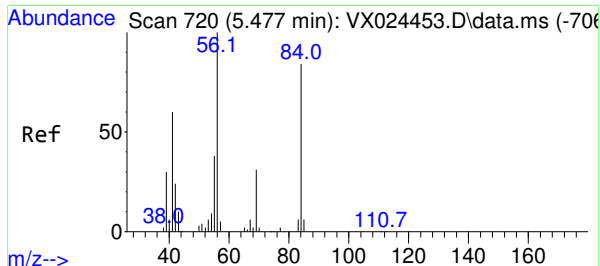
Tgt Ion: 84 Resp: 580
Ion Ratio Lower Upper
84 100
49 109.2 88.6 132.8
51 24.1 27.0 40.6#
86 46.0 50.3 75.5#



#25
2-Butanone
Concen: 0.58 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

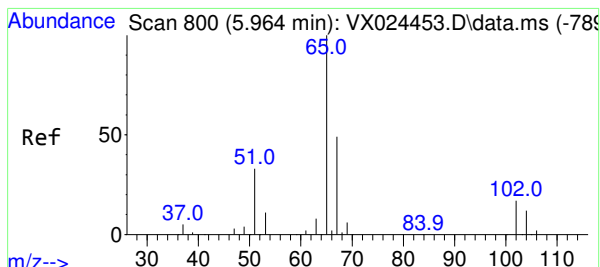
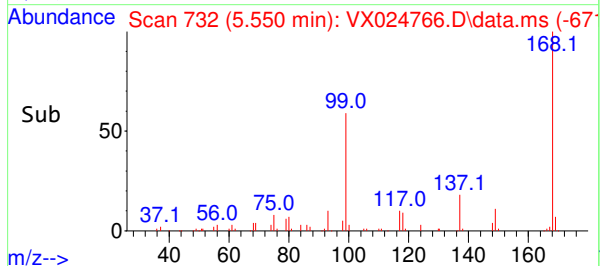
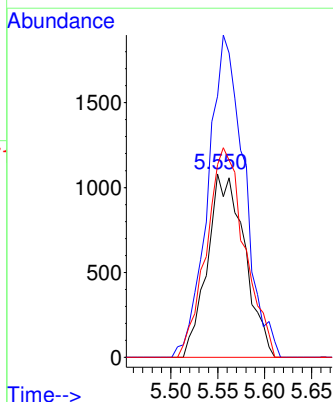
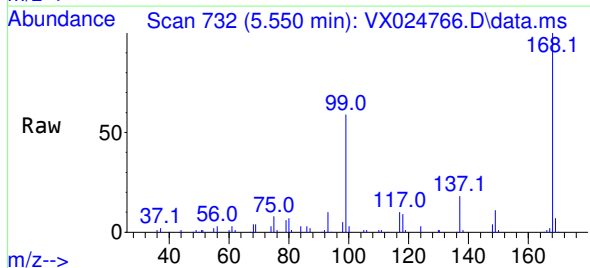




#31
Cyclohexane
Concen: 1.37 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

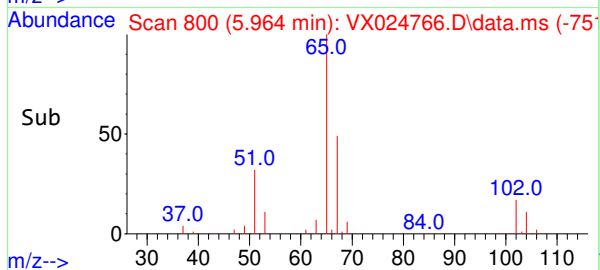
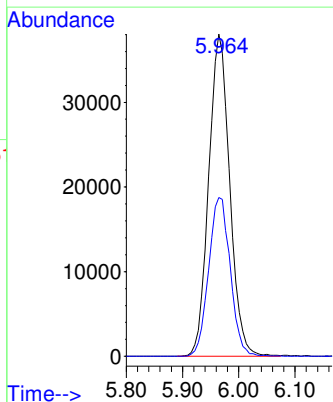
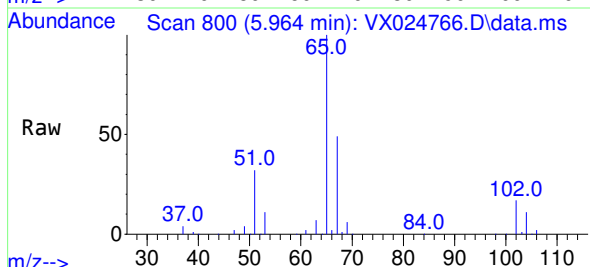
Instrument :
MSVOA_X
ClientSampled :

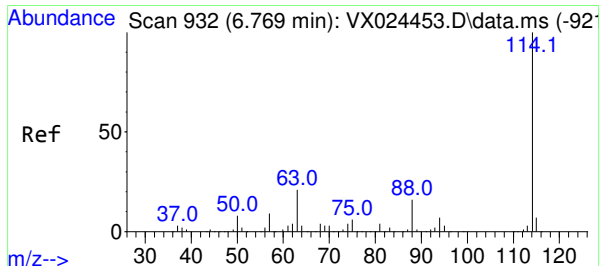
Tgt Ion: 56 Resp: 2981
Ion Ratio Lower Upper
56 100
69 142.4 25.3 37.9#
84 105.1 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 54.39 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 65 Resp: 98702
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

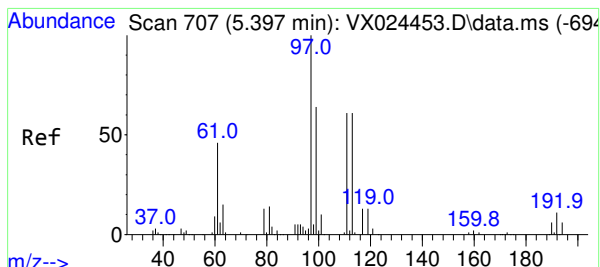
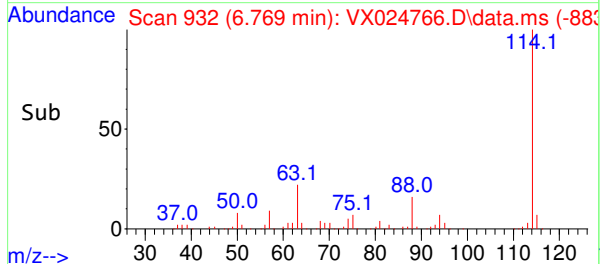
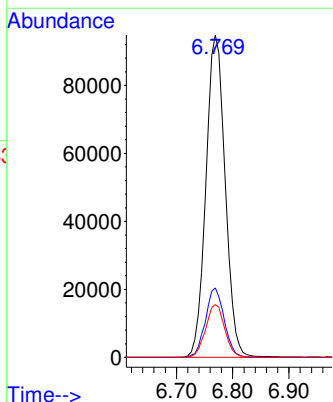
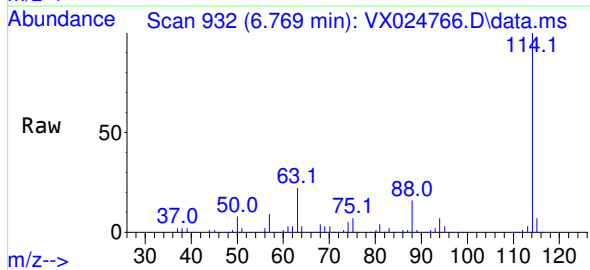




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

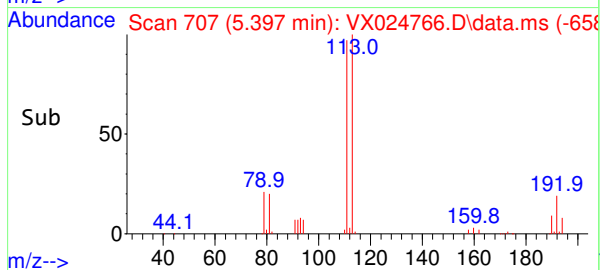
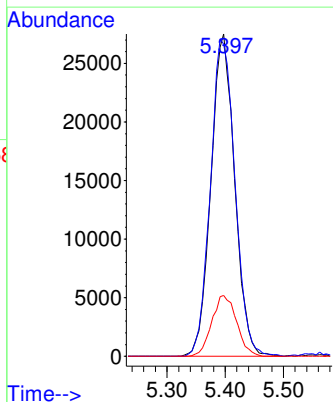
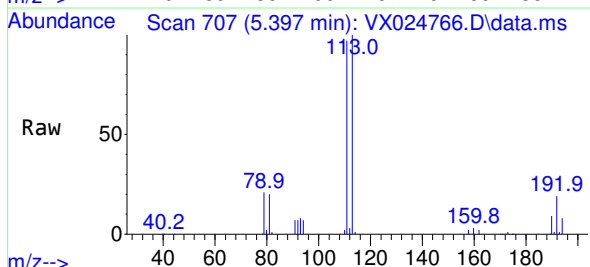
Instrument :
MSVOA_X
ClientSampled :

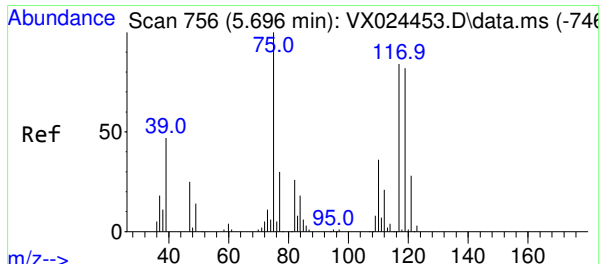
Tgt Ion:	114	Resp:	225005
Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.8
88	16.4	0.0	32.8



#35
Dibromofluoromethane
Concen: 51.93 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion:	113	Resp:	77619
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	19.8	16.7	25.1

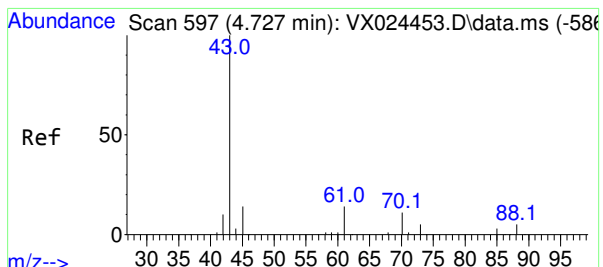
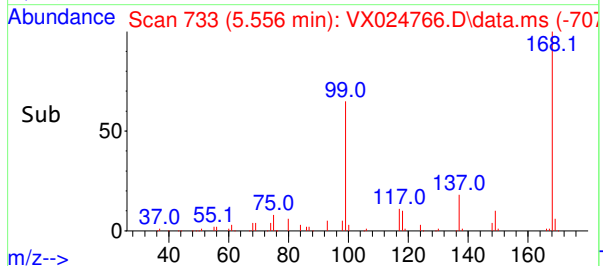
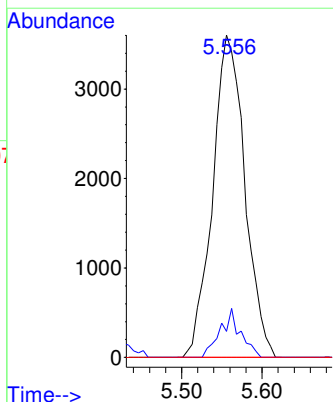
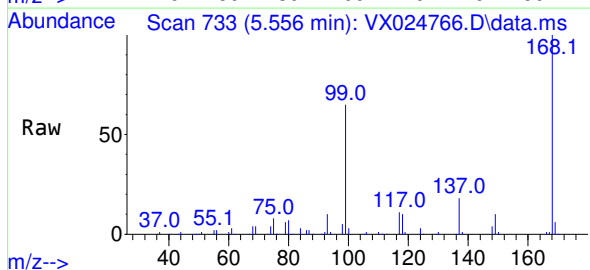




#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

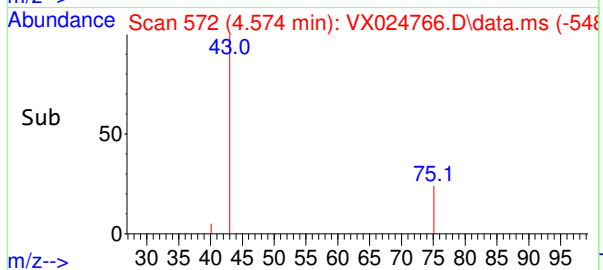
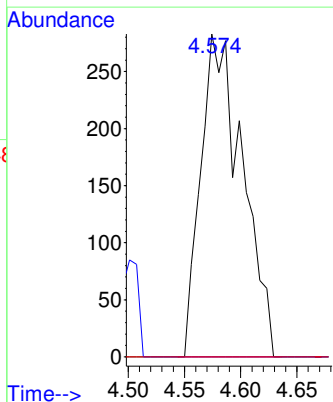
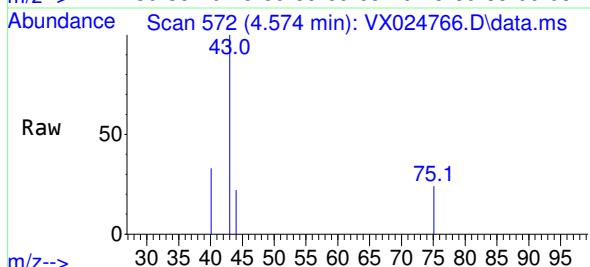
Instrument :
MSVOA_X
ClientSampled :

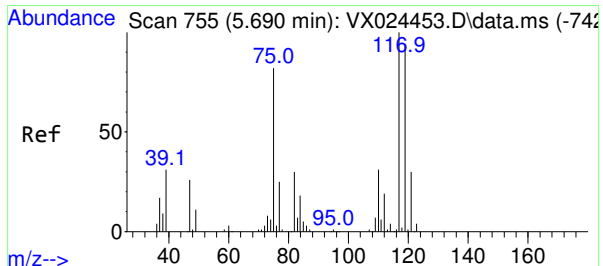
Tgt Ion: 75 Resp: 10026
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.27 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#

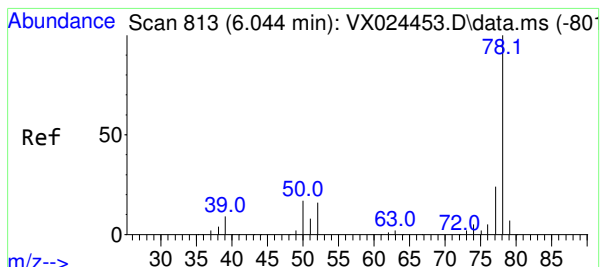
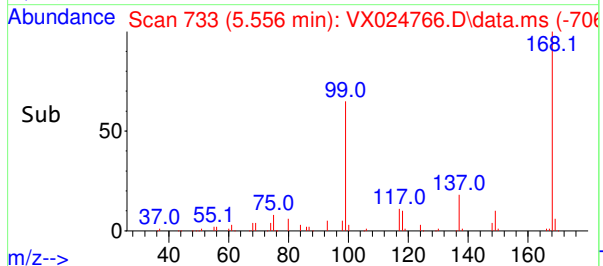
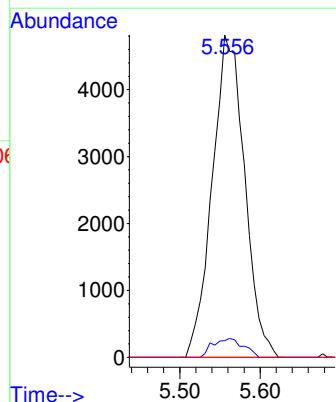
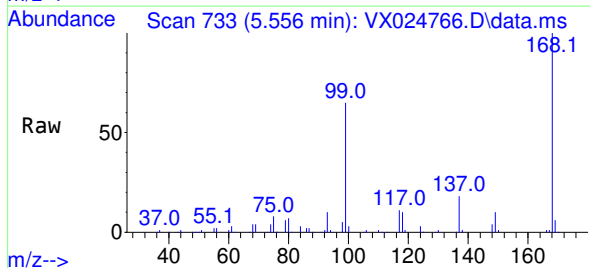




#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

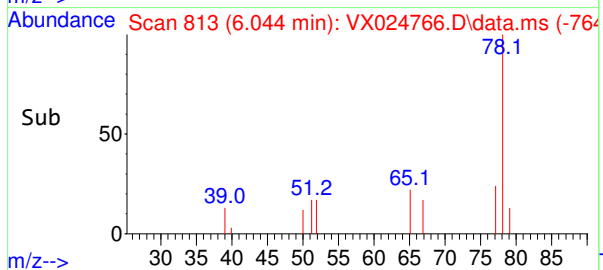
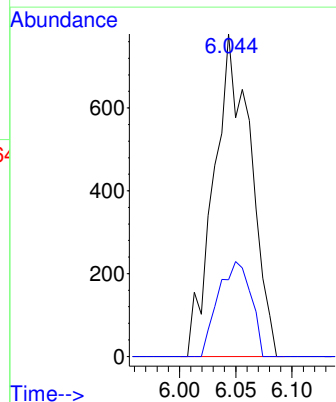
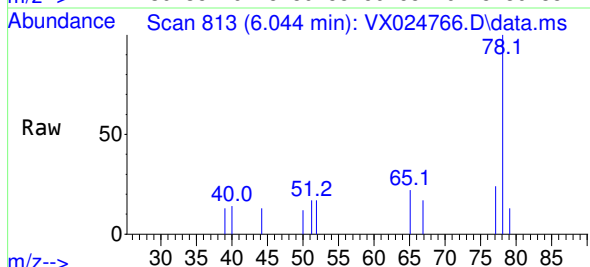
Instrument :
MSVOA_X
ClientSampled :

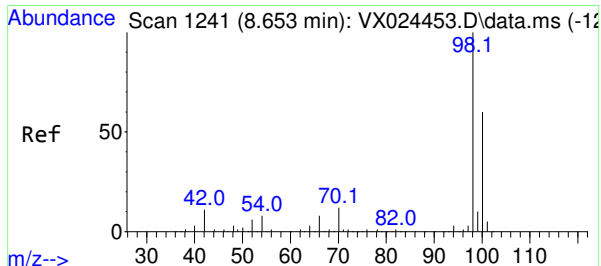
Tgt Ion:117 Resp: 13441
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.29 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion: 78 Resp: 1760
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3

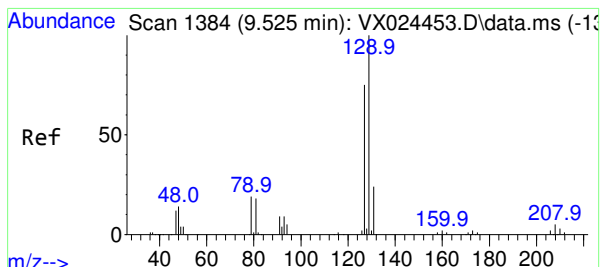
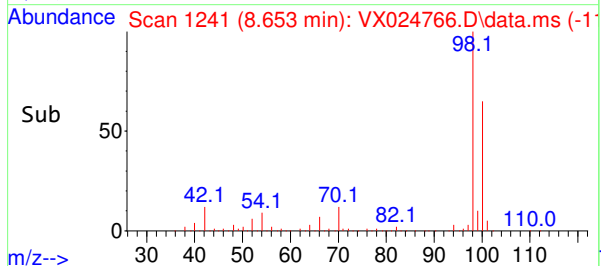
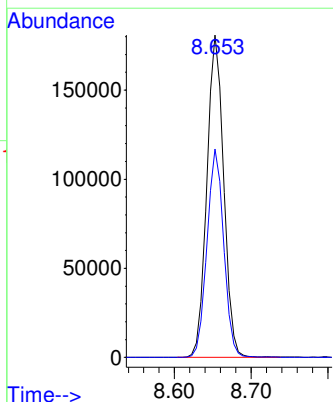
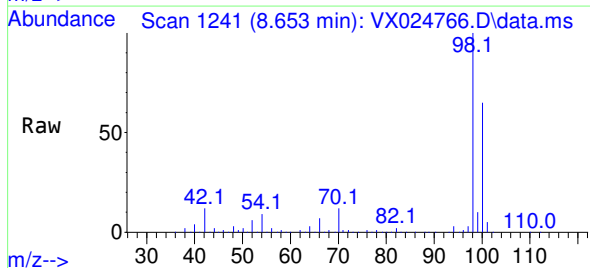




#50
Toluene-d8
Concen: 50.24 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

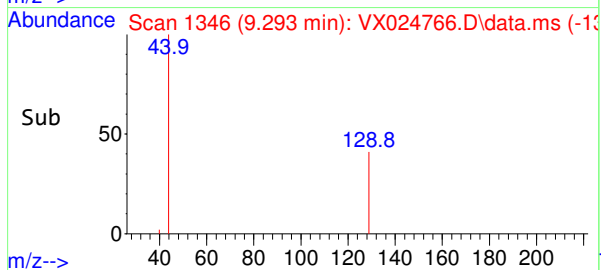
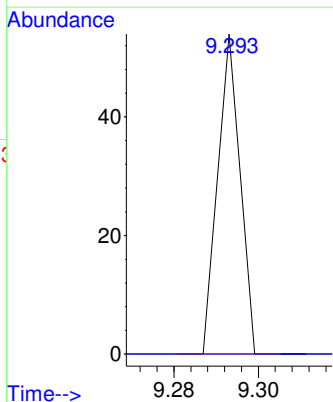
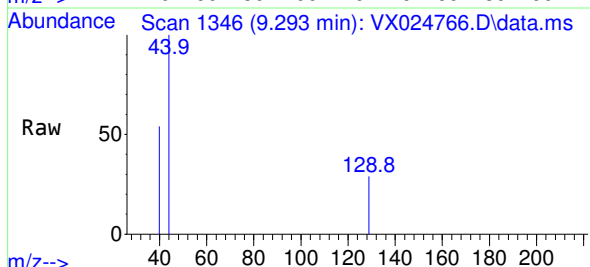
Instrument :
MSVOA_X
ClientSampled :

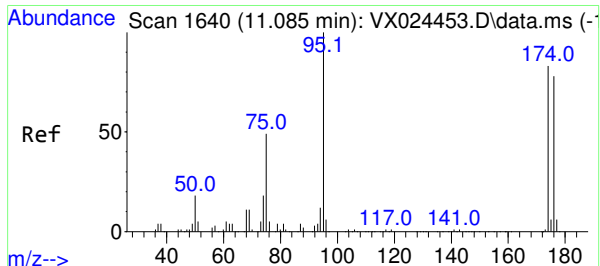
Tgt Ion: 98 Resp: 276385
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#60
Dibromochloromethane
Concen: 1.20 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. -0.232 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion:129 Resp: 20
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

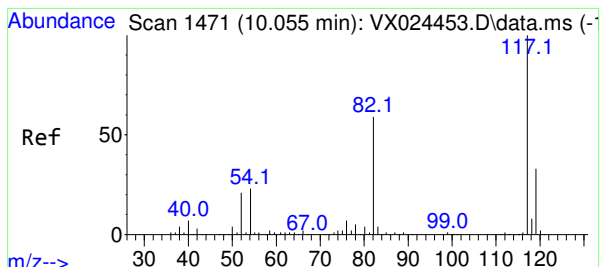
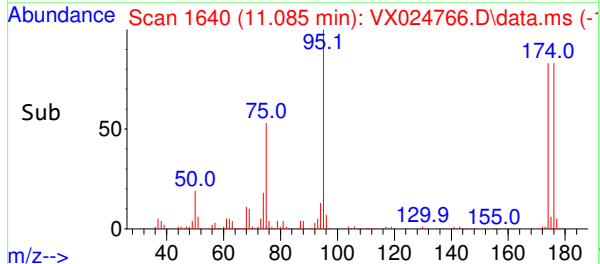
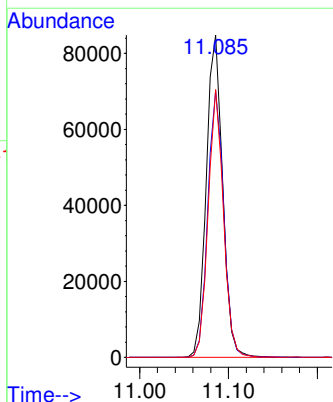
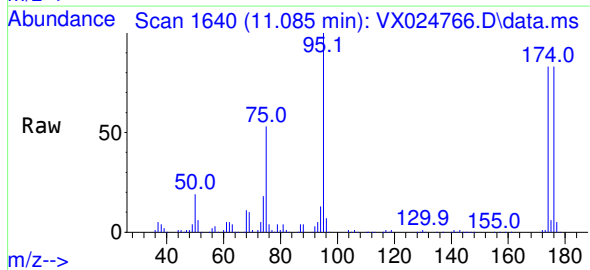




#62
4-Bromofluorobenzene
Concen: 50.14 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

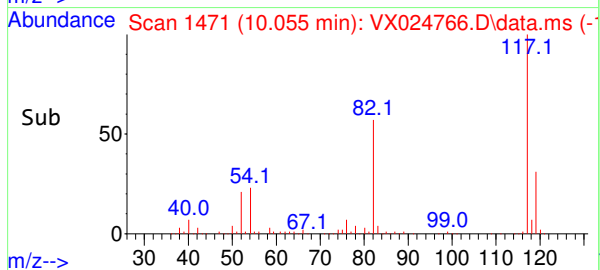
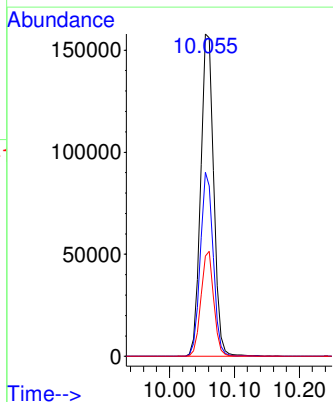
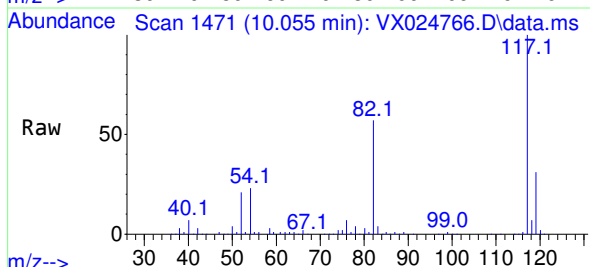
Instrument :
MSVOA_X
ClientSampled :

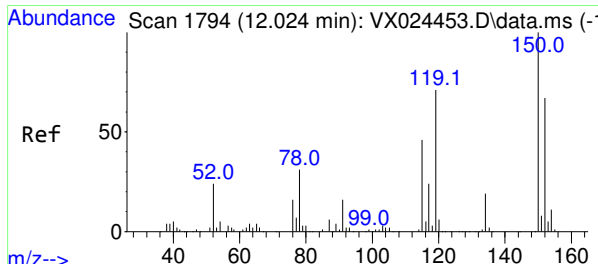
Tgt Ion:	95	Resp:	108457
Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	154.6
176	77.7	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Tgt Ion:	117	Resp:	219167
Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.4	71.2
119	31.1	26.6	39.8

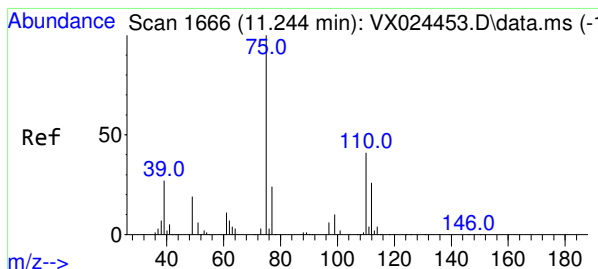
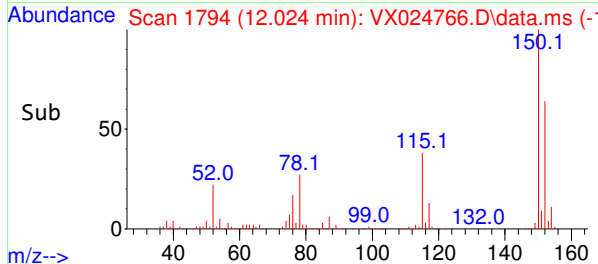
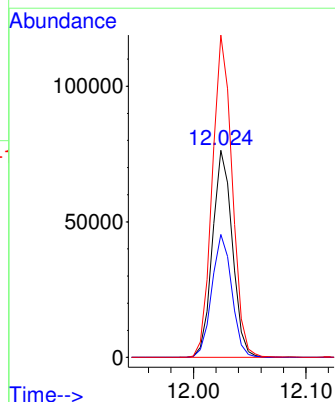
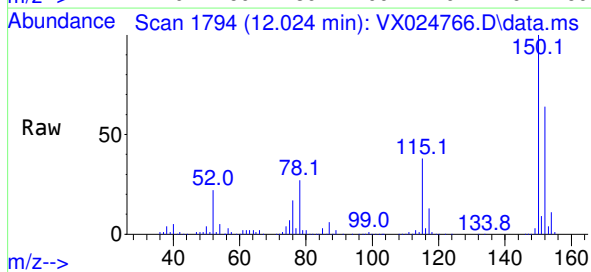




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

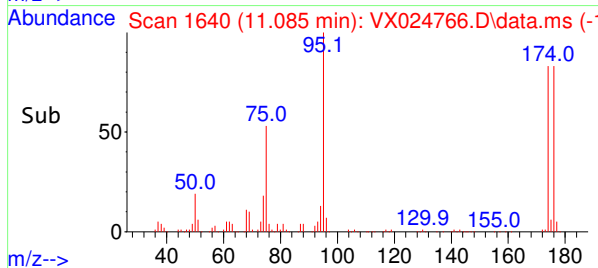
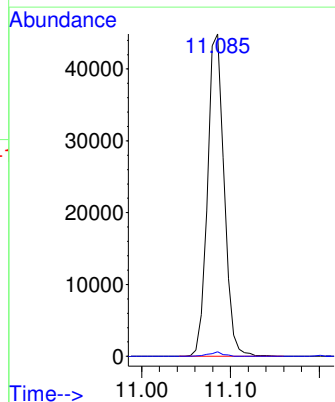
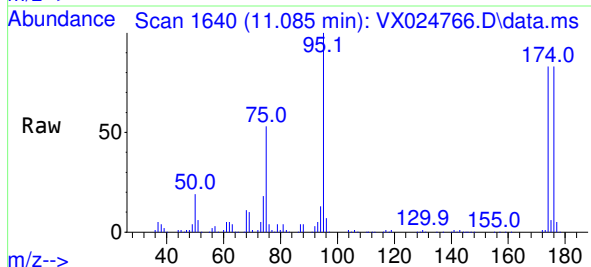
Instrument :
MSVOA_X
ClientSampled :

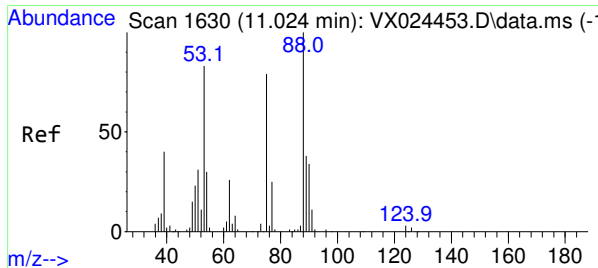
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	41.1	123.3
150	156.2	0.0	349.0



#76
1,2,3-Trichloropropane
Concen: 27.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

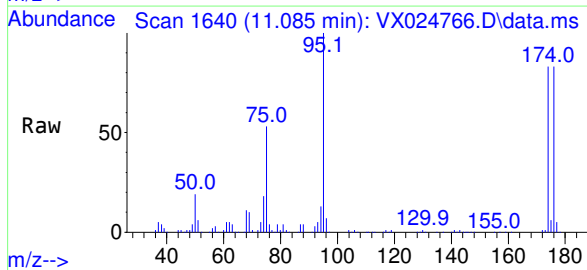
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.1	57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.36 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024766.D
Acq: 12 Oct 2021 16:25

Instrument :
MSVOA_X
ClientSampleId :



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

