

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101221\
 Data File : VX024763.D
 Acq On : 12 Oct 2021 15:14
 Operator : JC/MD
 Sample : M4169-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 15:47:17 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)

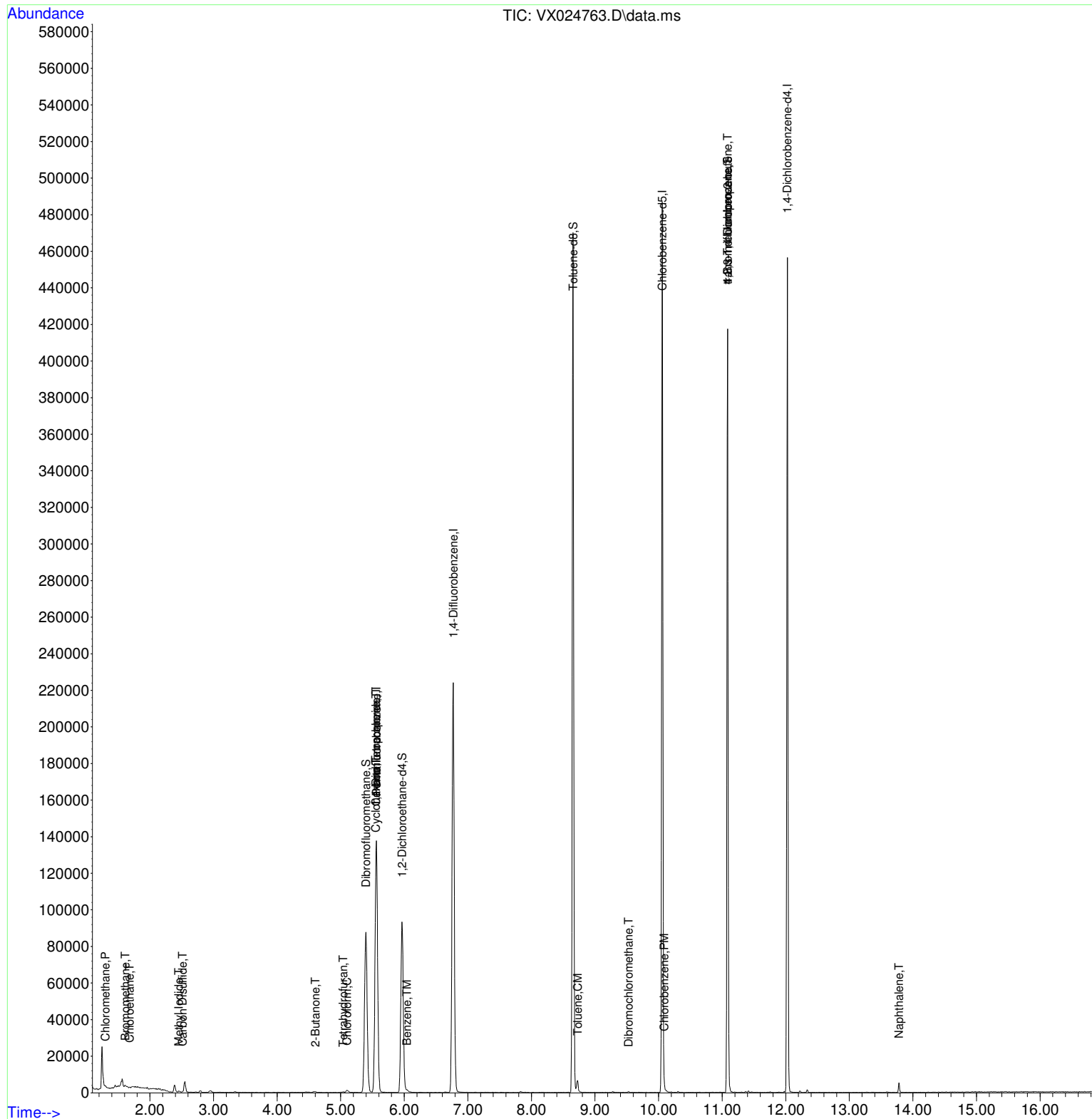
Internal Standards						
1) Pentafluorobenzene	5.562	168	126724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222192	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90440	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96459	54.01	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.02%			
35) Dibromofluoromethane	5.398	113	75600	51.22	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.44%			
50) Toluene-d8	8.653	98	271240	49.93	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.86%			
62) 4-Bromofluorobenzene	11.086	95	106071	49.66	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.32%			
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	370	0.31	ug/l	96
5) Bromomethane	1.612	94	272	0.32	ug/l	97
6) Chloroethane	1.679	64	390	0.72	ug/l #	43
10) Methyl Iodide	2.453	142	753	0.43	ug/l #	90
11) Tert butyl alcohol	2.959	59	878	Below Cal	#	73
16) Acetone	2.386	43	4497	Below Cal		94
17) Carbon Disulfide	2.514	76	565	0.42	ug/l #	75
20) Methylene Chloride	2.788	84	415	Below Cal	#	66
25) 2-Butanone	4.599	43	309	0.25	ug/l #	45
29) Tetrahydrofuran	5.038	42	282	0.36	ug/l #	33
30) Chloroform	5.099	83	1515	0.57	ug/l #	75
31) Cyclohexane	5.550	56	2513	1.18	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	9523	4.47	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13427	5.79	ug/l #	16
40) Benzene	6.038	78	1448	0.24	ug/l #	87
52) Toluene	8.726	92	2394	0.61	ug/l	96
60) Dibromochloromethane	9.525	129	119	1.25	ug/l	98
65) Chlorobenzene	10.086	112	1115	0.25	ug/l #	75
76) 1,2,3-Trichloropropane	11.086	75	56156	27.34	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	56156	74.38	ug/l #	12
95) Naphthalene	13.780	128	3543	0.56	ug/l	97

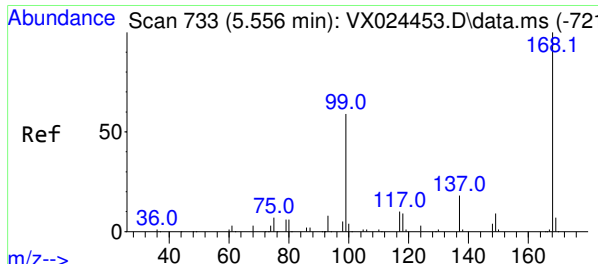
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 12 15:47:17 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

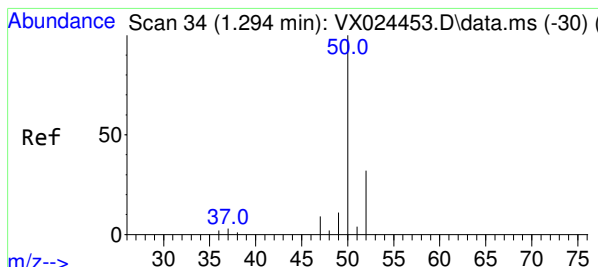
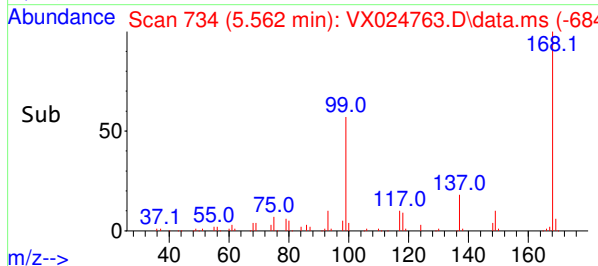
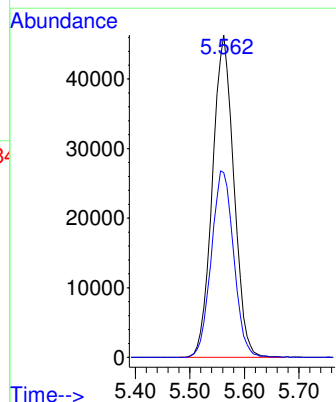
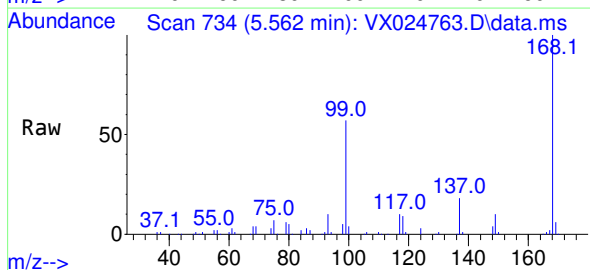




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

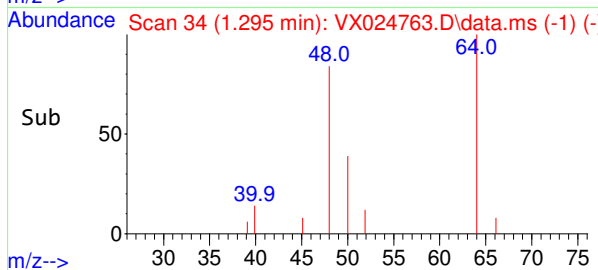
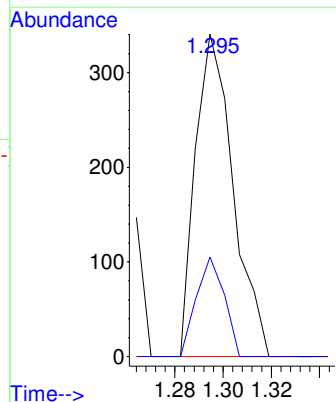
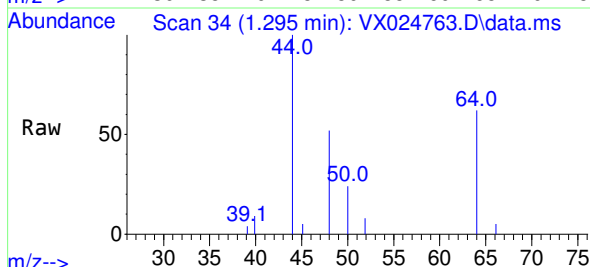
Instrument :
MSVOA_X
ClientSampled :

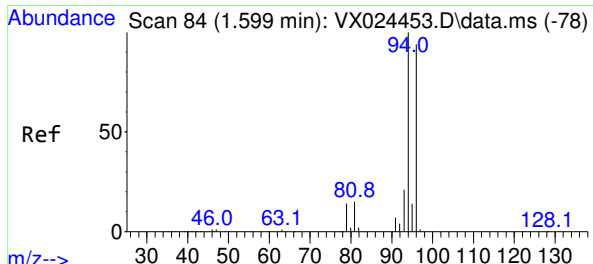
Tgt Ion:168 Resp: 126724
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#3
Chloromethane
Concen: 0.31 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 50 Resp: 370
Ion Ratio Lower Upper
50 100
52 30.8 26.4 39.6

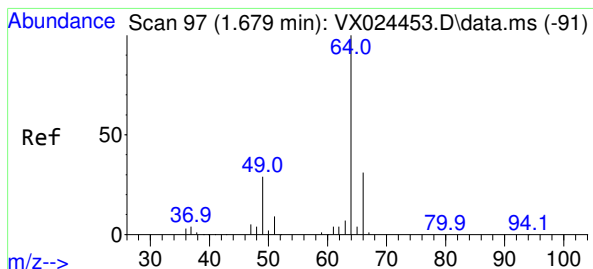
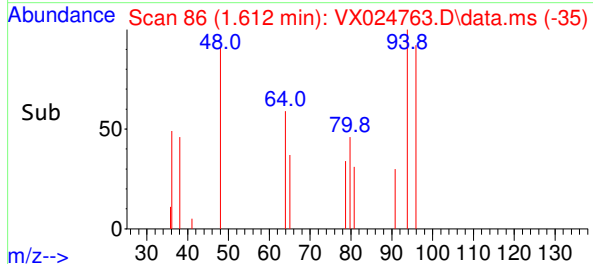
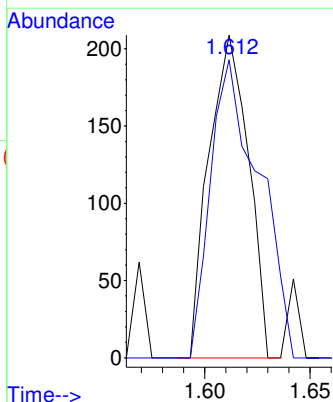
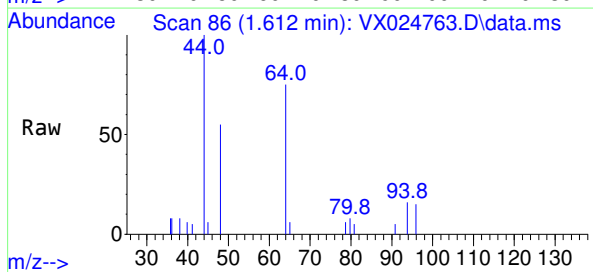




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

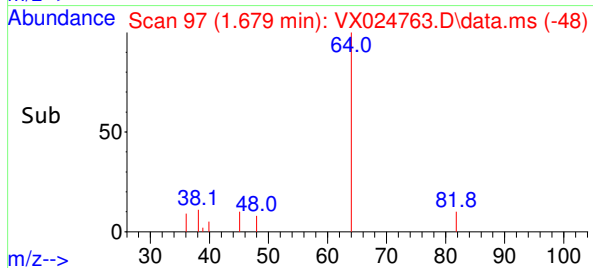
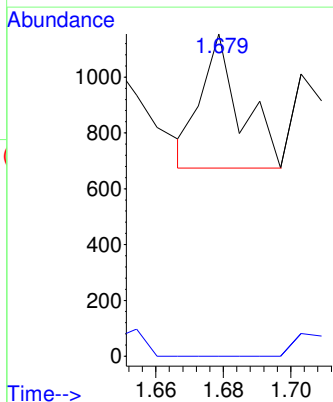
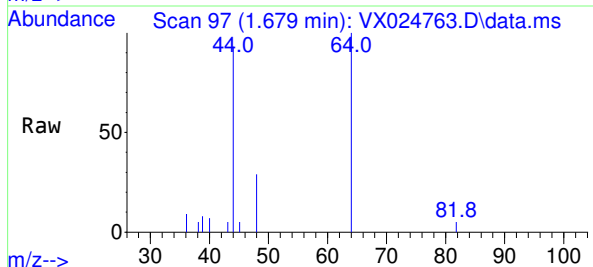
Instrument :
MSVOA_X
ClientSampled :

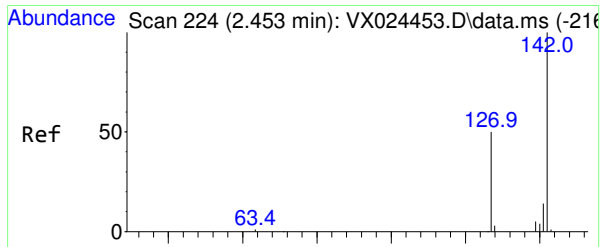
Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 92.3 76.4 114.6



#6
Chloroethane
Concen: 0.72 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 64 Resp: 390
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

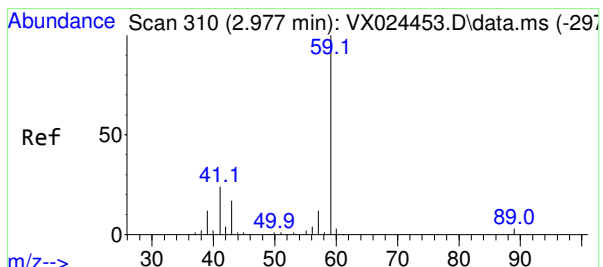
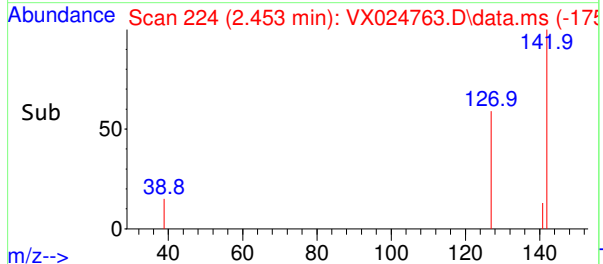
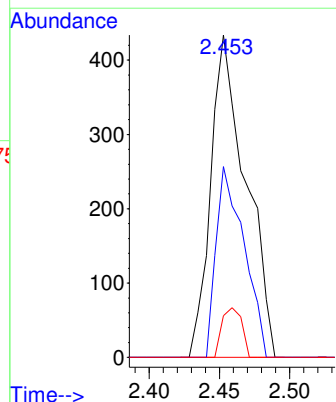
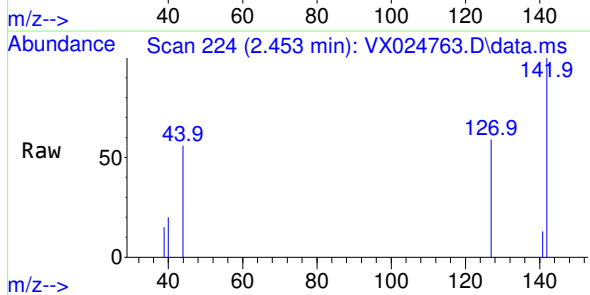




#10
Methyl Iodide
Concen: 0.43 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

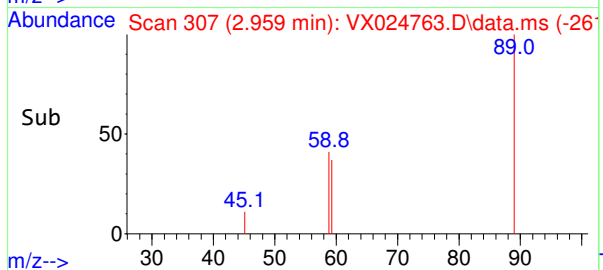
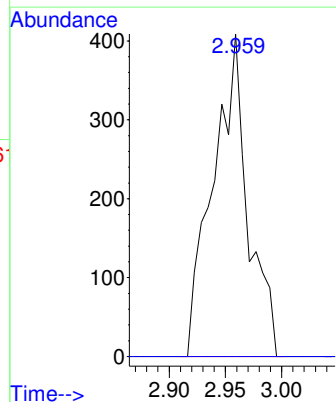
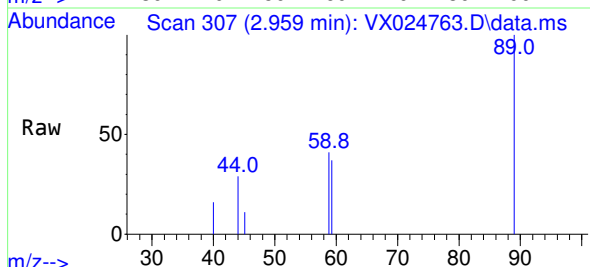
Instrument :
MSVOA_X
ClientSampled :

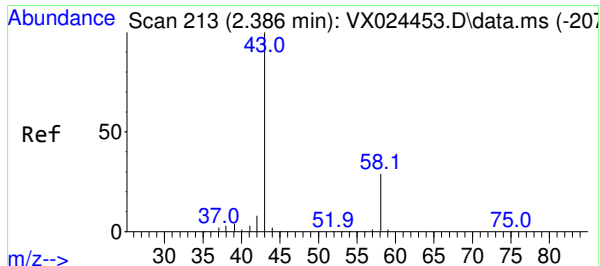
Tgt Ion:142 Resp: 753
Ion Ratio Lower Upper
142 100
127 47.0 33.3 49.9
141 8.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 59 Resp: 878
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

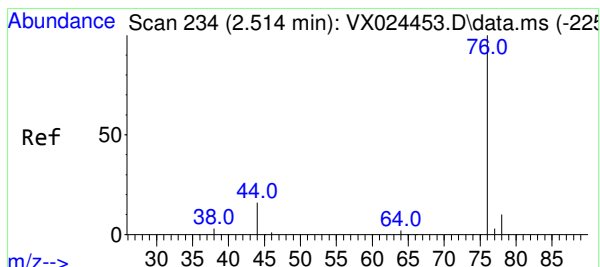
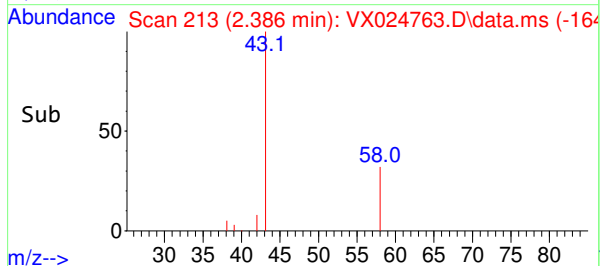
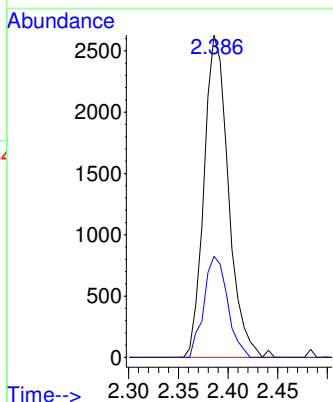
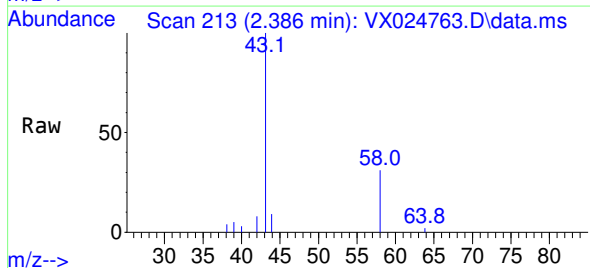




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

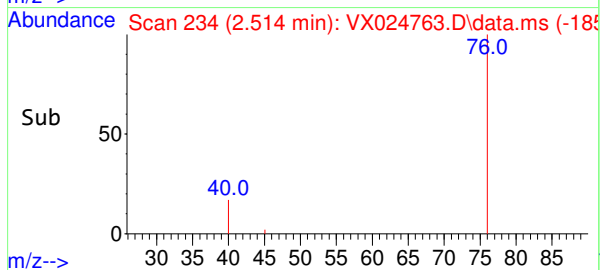
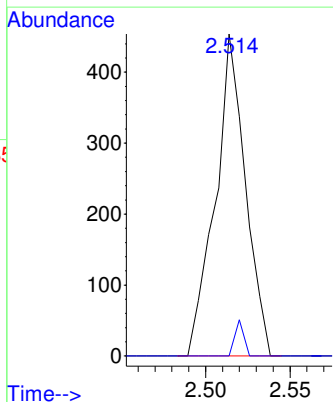
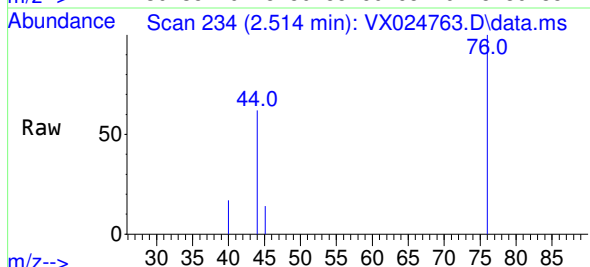
Instrument :
MSVOA_X
ClientSampled :

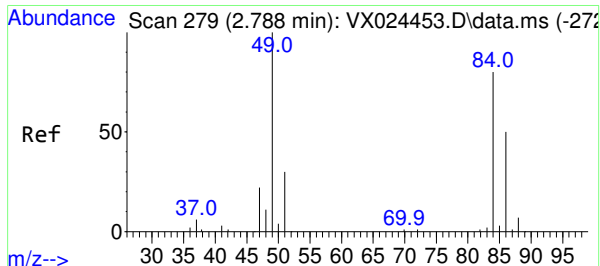
Tgt Ion: 43 Resp: 4497
Ion Ratio Lower Upper
43 100
58 31.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.42 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 76 Resp: 565
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

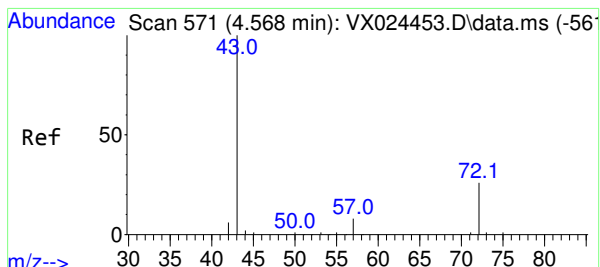
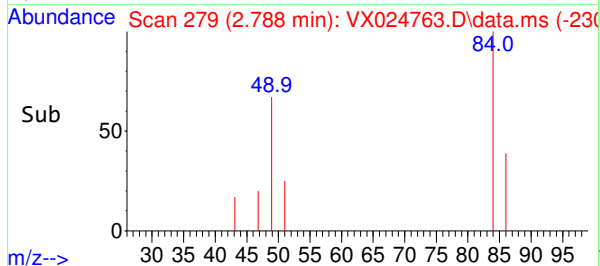
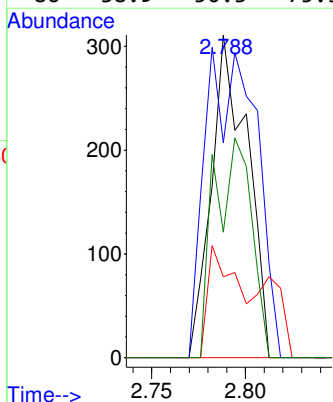
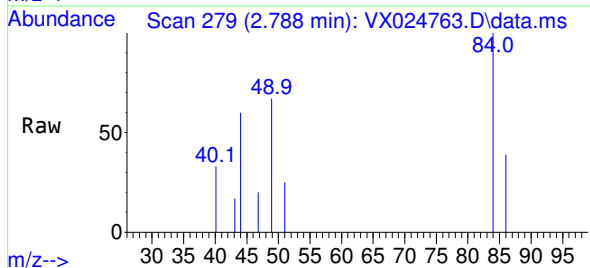




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

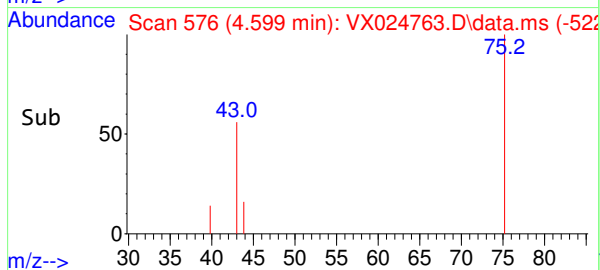
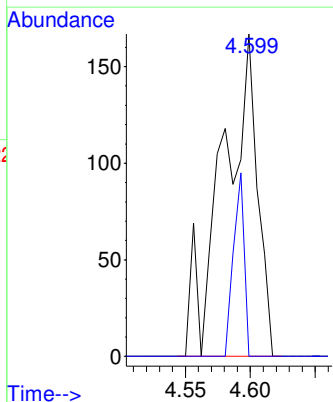
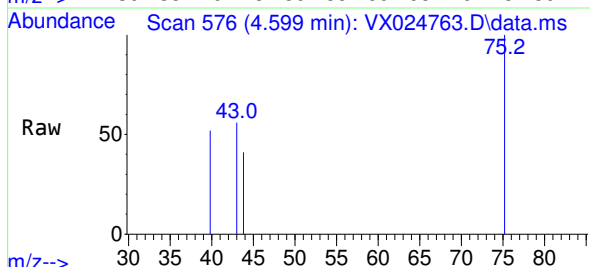
Instrument :
MSVOA_X
ClientSampled :

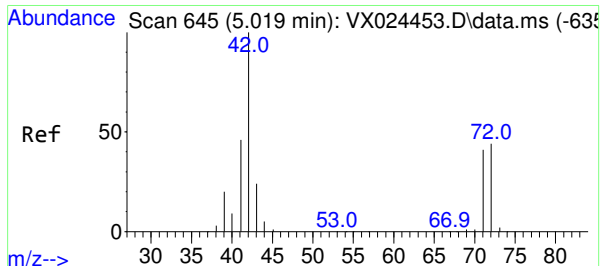
Tgt Ion:	84	Resp:	415
Ion	Ratio	Lower	Upper
84	100		
49	66.6	88.6	132.8#
51	25.1	27.0	40.6#
86	38.9	50.3	75.5#



#25
2-Butanone
Concen: 0.25 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion:	43	Resp:	309
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

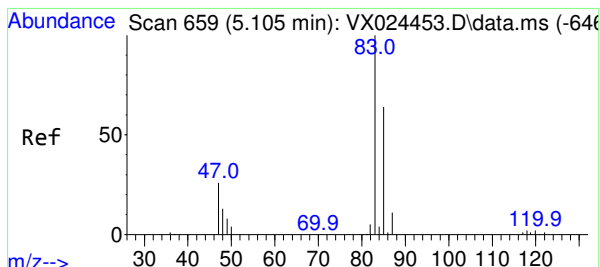
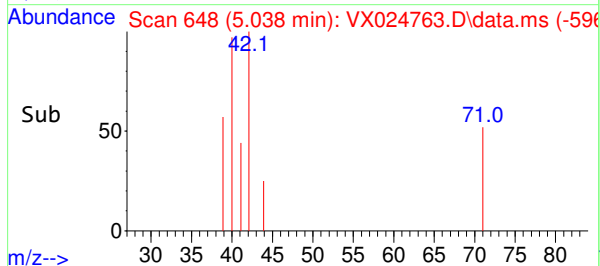
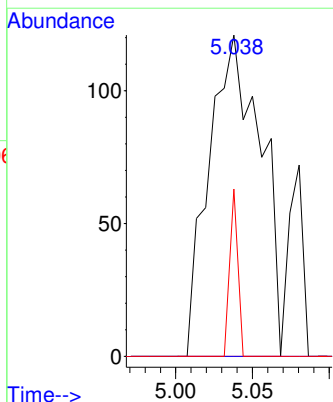
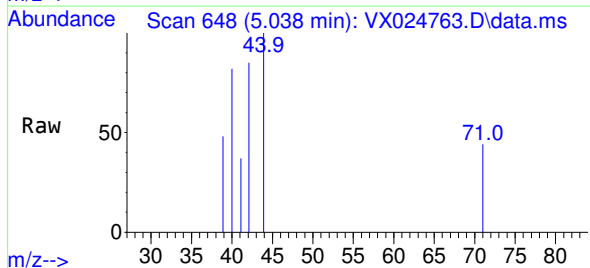




#29
Tetrahydrofuran
Concen: 0.36 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

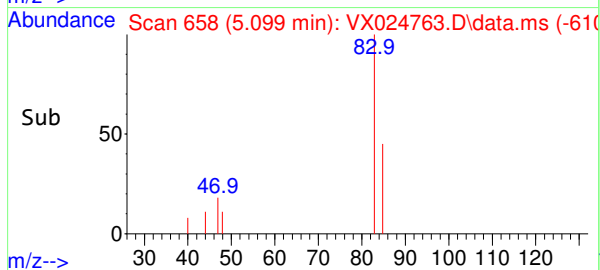
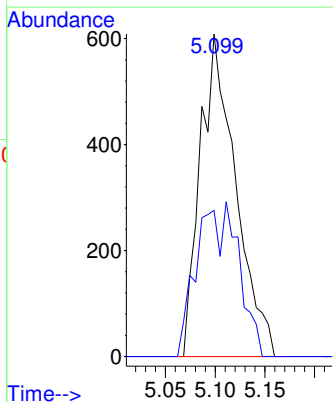
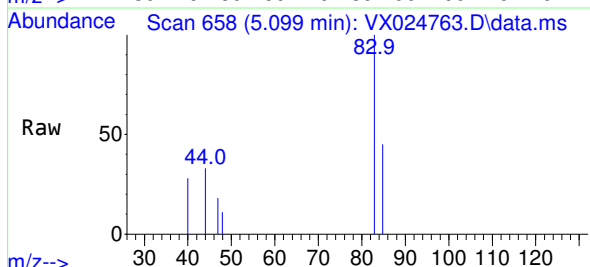
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ClientSampled :

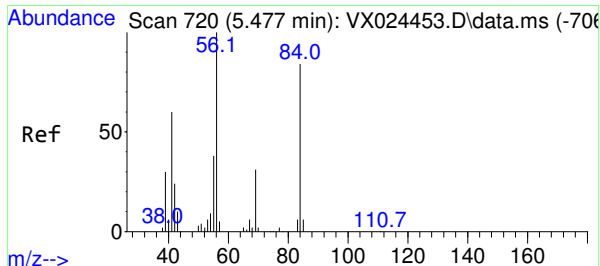
Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 8.2 38.4 57.6#



#30
Chloroform
Concen: 0.57 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 83 Resp: 1515
Ion Ratio Lower Upper
83 100
85 45.3 52.0 78.0#

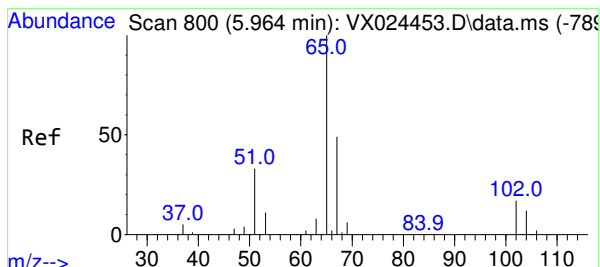
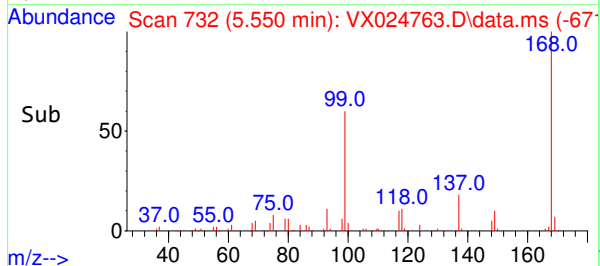
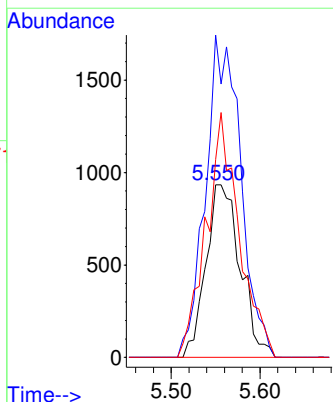
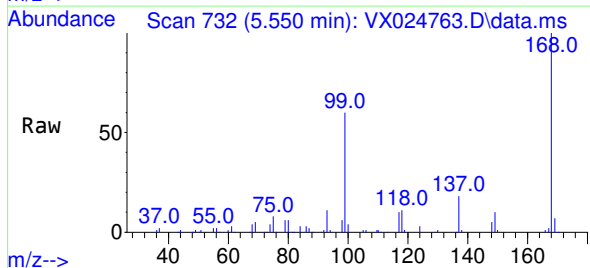




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

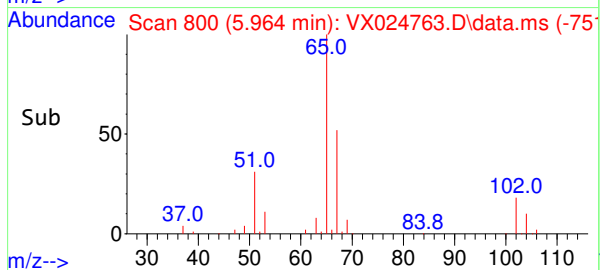
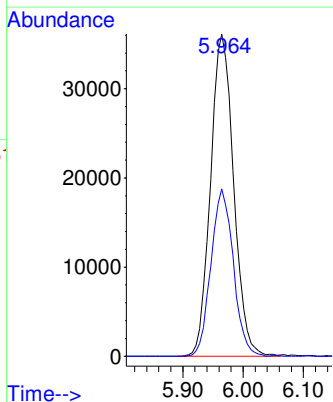
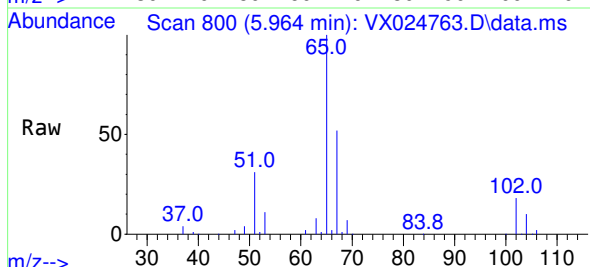
Instrument :
MSVOA_X
ClientSampled :

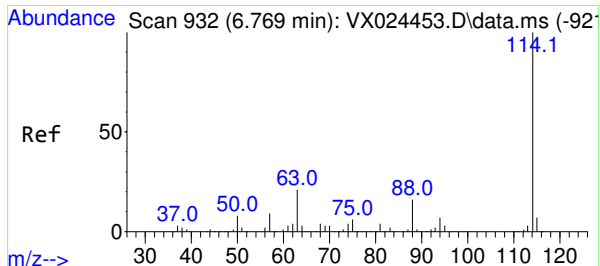
Tgt Ion: 56 Resp: 2513
Ion Ratio Lower Upper
56 100
69 186.9 25.3 37.9#
84 114.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 54.01 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 65 Resp: 96459
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

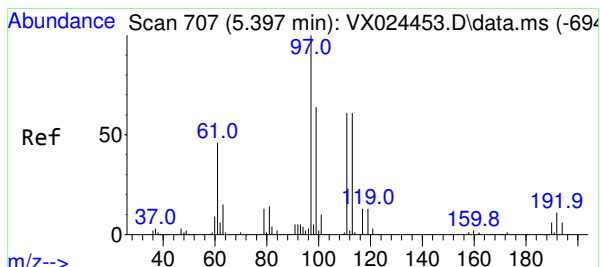
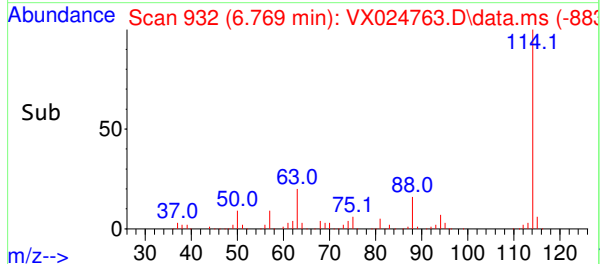
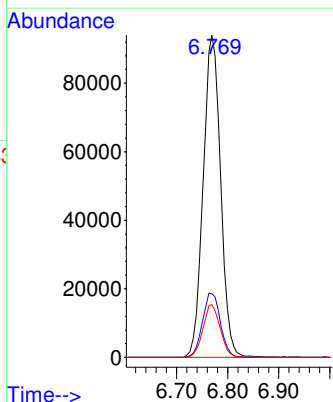
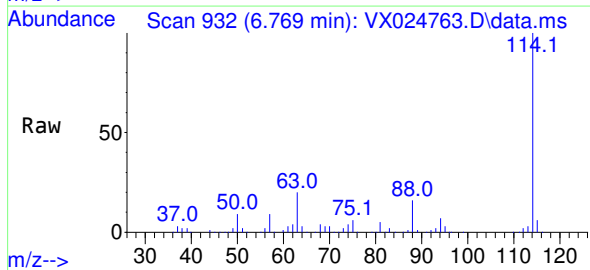




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

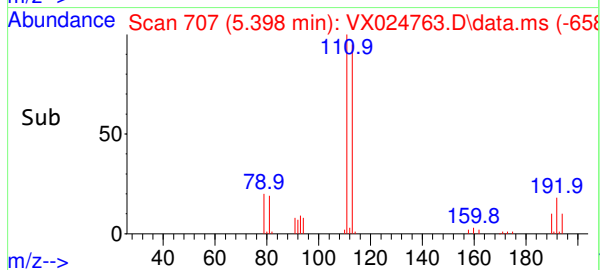
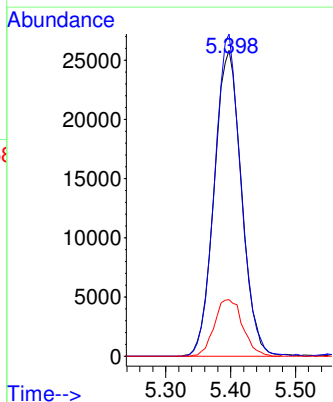
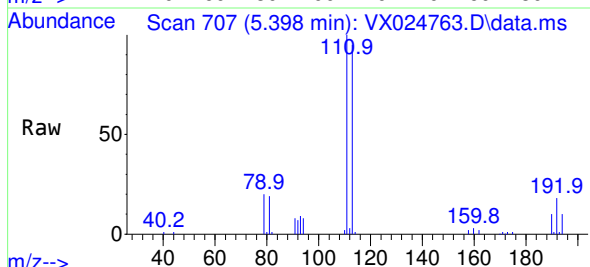
Instrument :
MSVOA_X
ClientSampled :

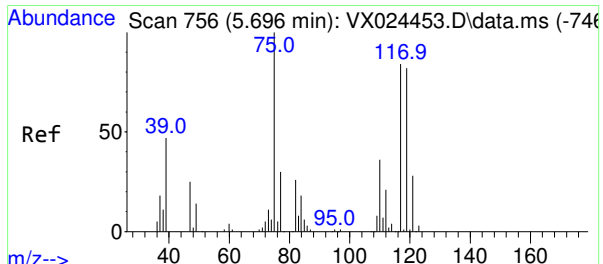
Tgt Ion:	114	Resp:	222192
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.8
88	16.4	0.0	32.8



#35
Dibromofluoromethane
Concen: 51.22 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion:	113	Resp:	75600
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	19.3	16.7	25.1

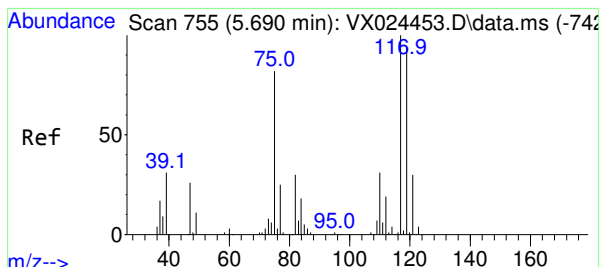
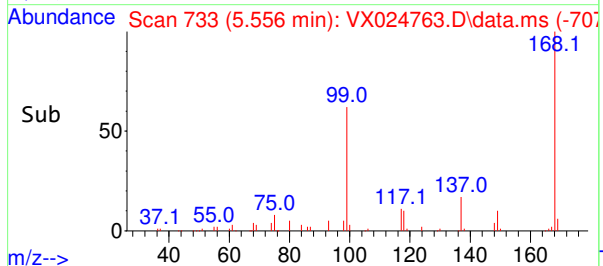
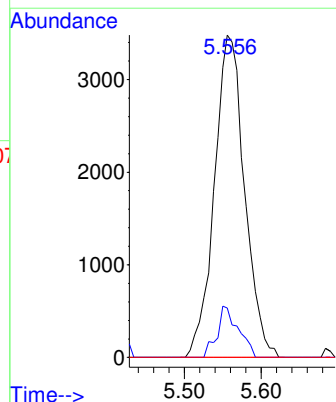
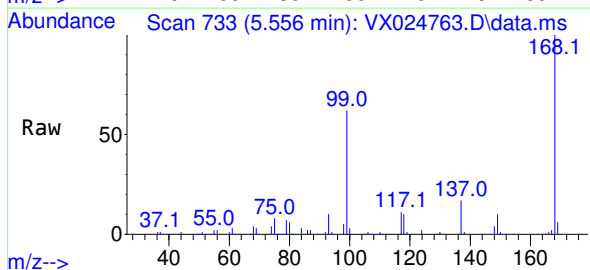




#36
1,1-Dichloropropene
Concen: 4.47 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

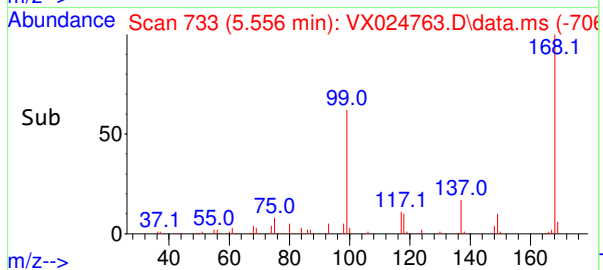
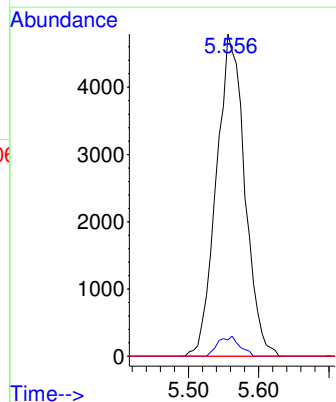
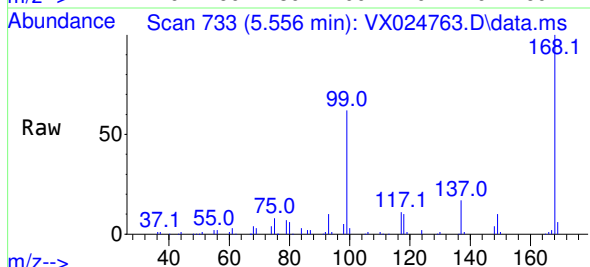
Instrument :
MSVOA_X
ClientSampled :

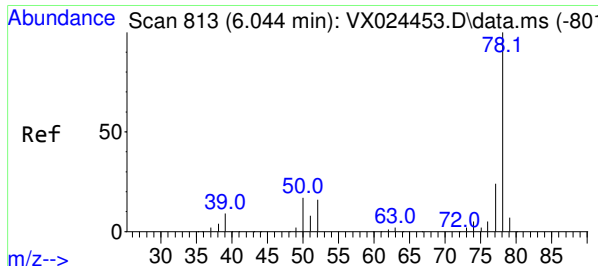
Tgt Ion: 75 Resp: 9523
Ion Ratio Lower Upper
75 100
110 11.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 117 Resp: 13427
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

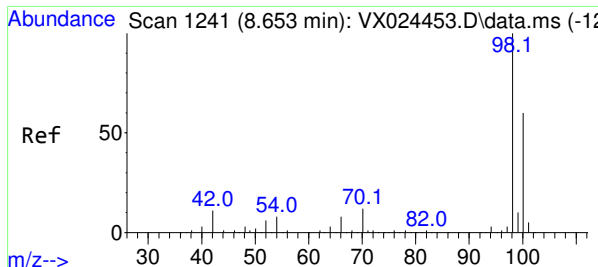
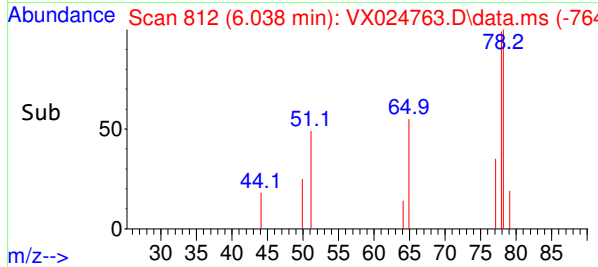
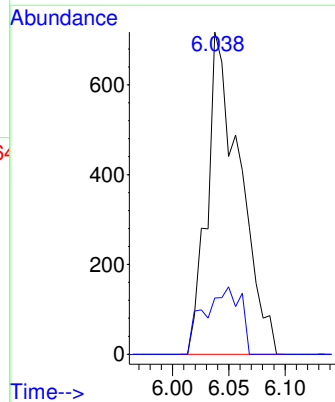
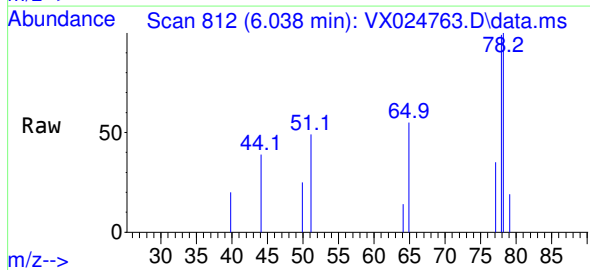




#40
Benzene
Concen: 0.24 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

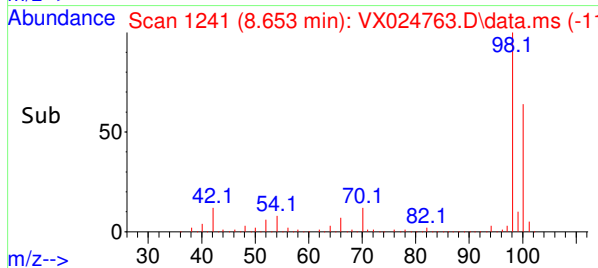
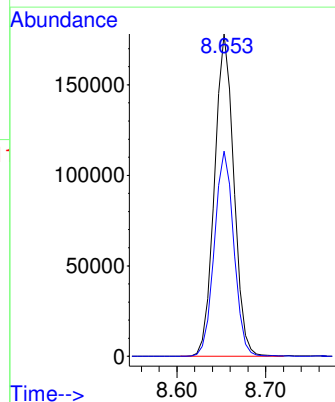
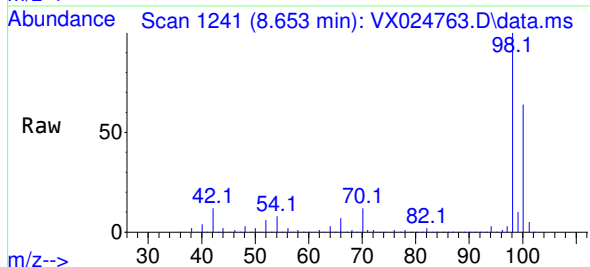
Instrument :
MSVOA_X
ClientSampled :

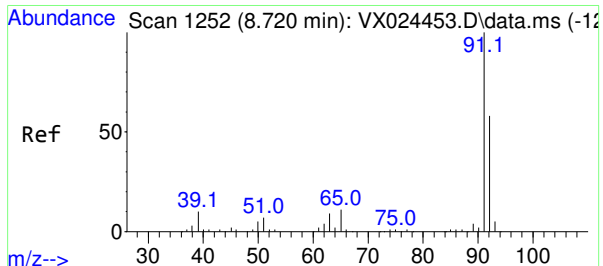
Tgt Ion: 78 Resp: 1448
Ion Ratio Lower Upper
78 100
77 17.4 18.9 28.3#



#50
Toluene-d8
Concen: 49.93 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 98 Resp: 271240
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

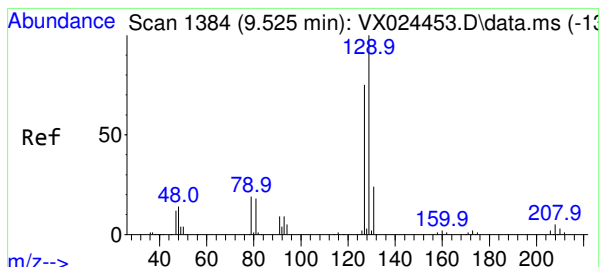
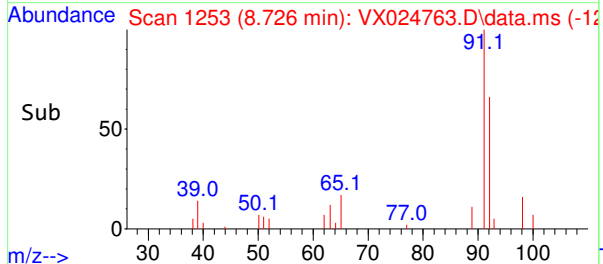
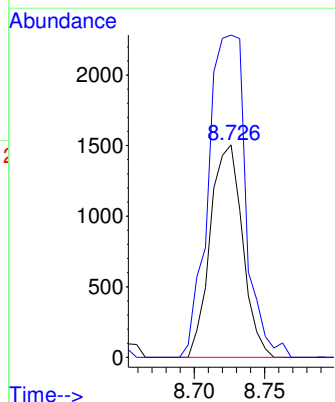
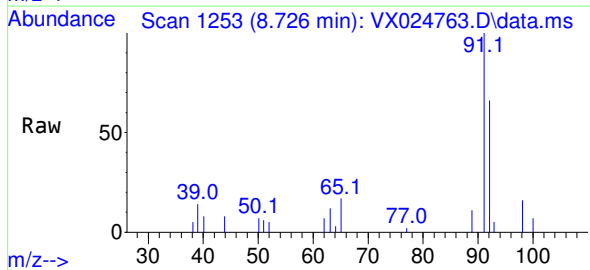




#52
Toluene
Concen: 0.61 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

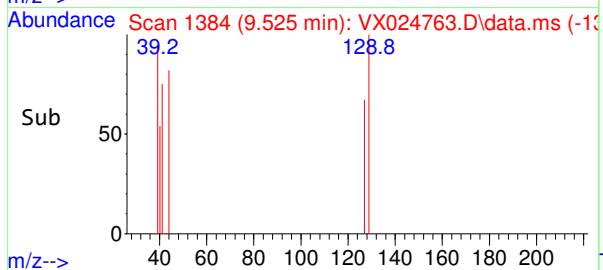
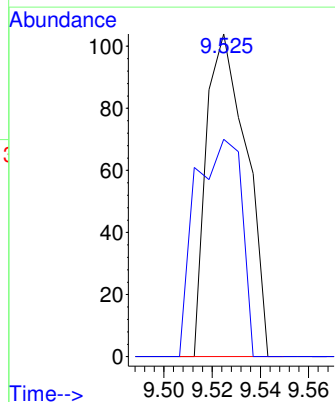
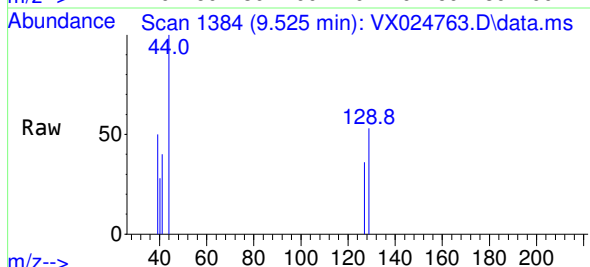
Instrument :
MSVOA_X
ClientSampled :

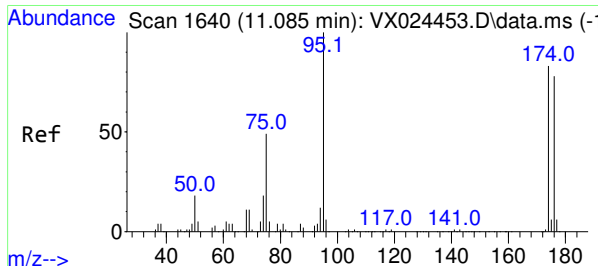
Tgt Ion: 92 Resp: 2394
Ion Ratio Lower Upper
92 100
91 177.1 137.1 205.7



#60
Dibromochloromethane
Concen: 1.25 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 129 Resp: 119
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.2

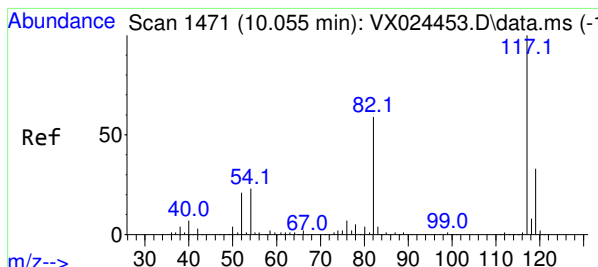
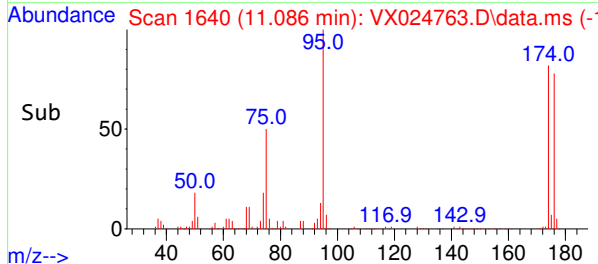
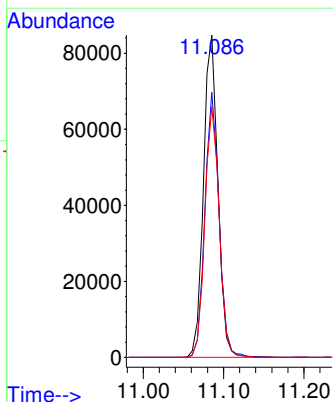
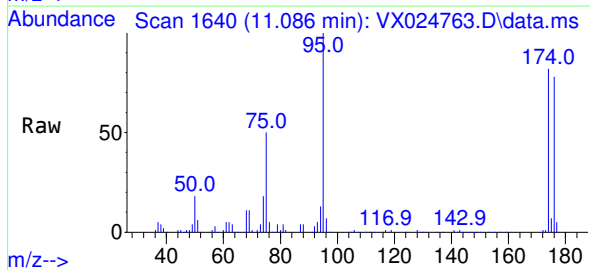




#62
4-Bromofluorobenzene
Concen: 49.66 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

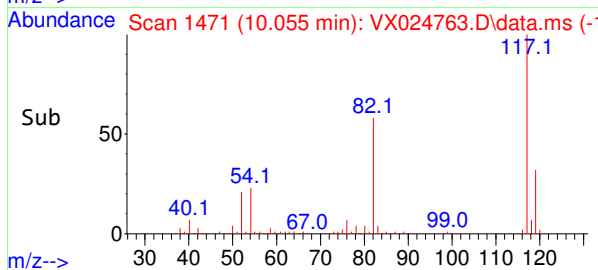
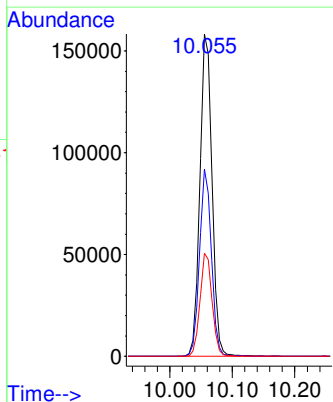
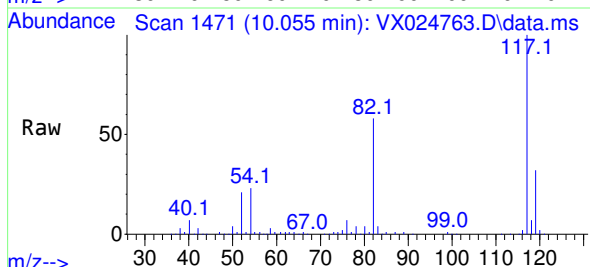
Instrument :
MSVOA_X
ClientSampled :

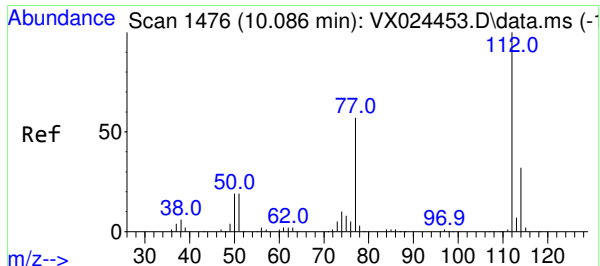
Tgt Ion:	95	Resp:	106071
Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	154.6
176	77.2	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion:	117	Resp:	215331
Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.4	71.2
119	32.0	26.6	39.8

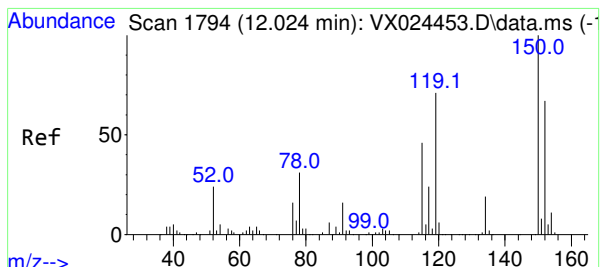
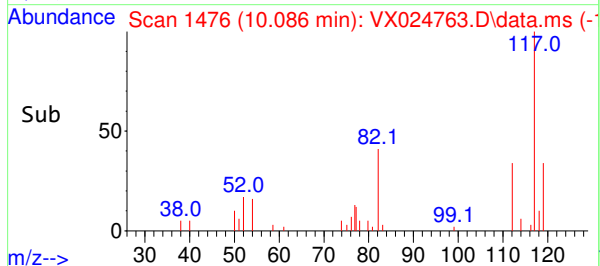
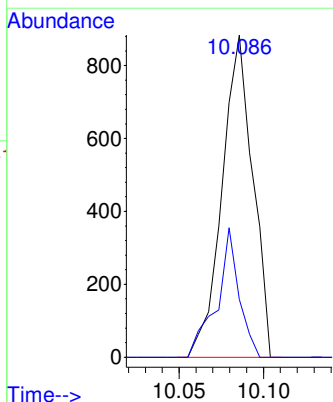
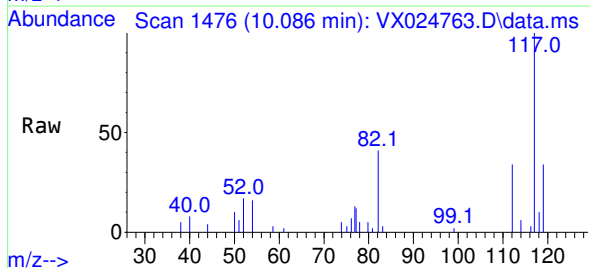




#65
Chlorobenzene
Concen: 0.25 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

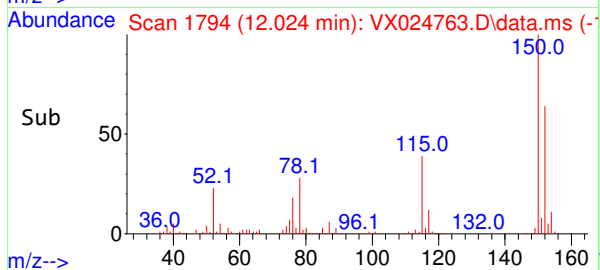
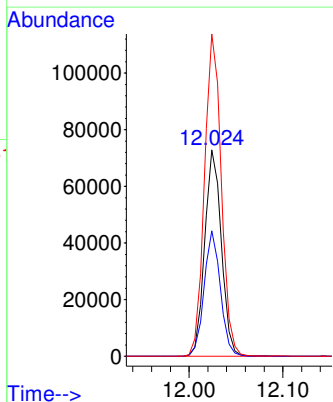
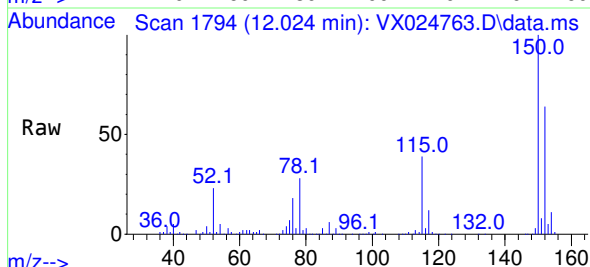
Instrument :
MSVOA_X
ClientSampled :

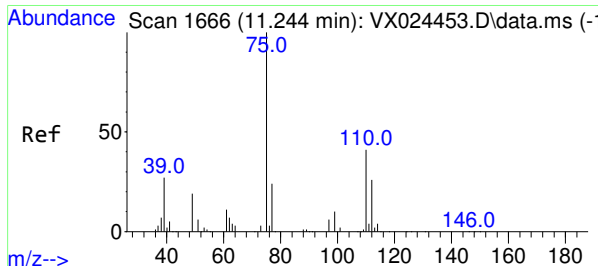
Tgt Ion:112 Resp: 1115
Ion Ratio Lower Upper
112 100
114 18.0 25.8 38.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion:152 Resp: 90440
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 157.5 0.0 349.0

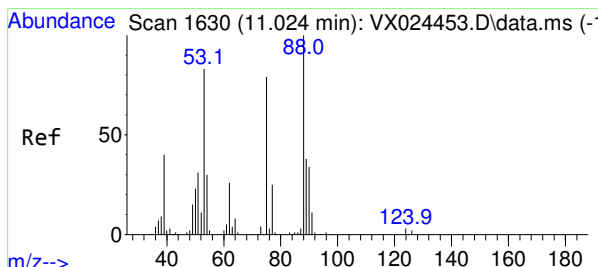
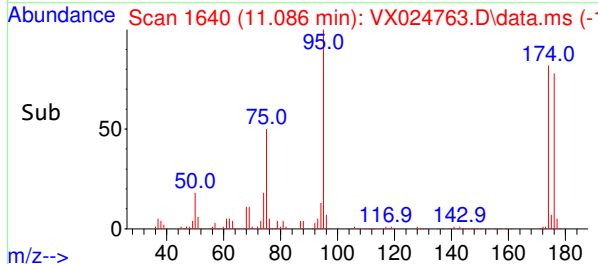
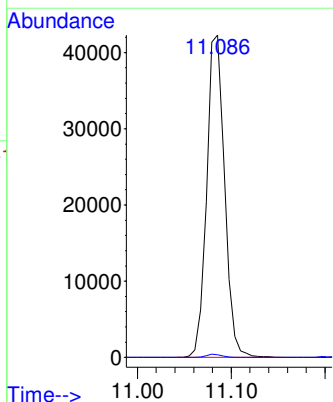
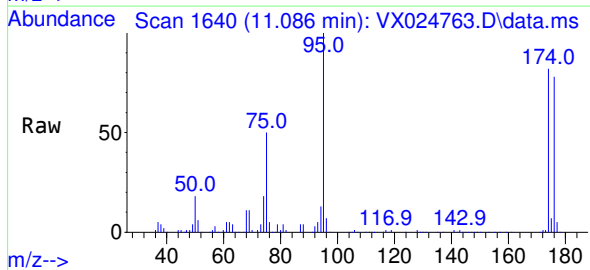




#76
1,2,3-Trichloropropane
Concen: 27.34 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

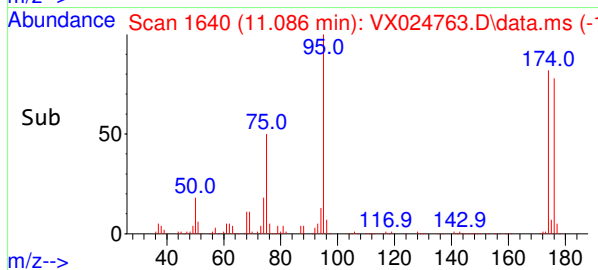
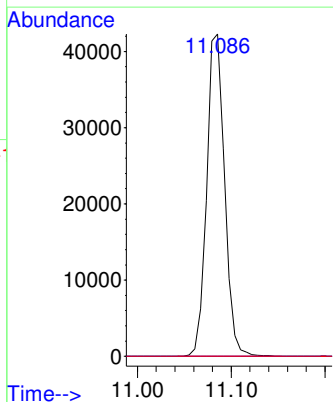
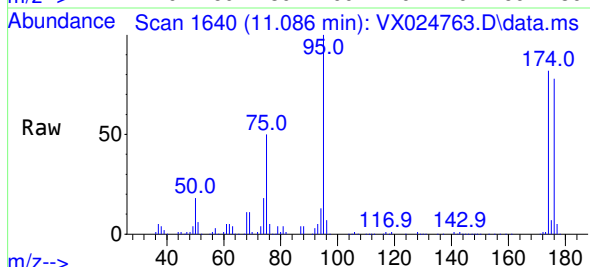
Instrument :
MSVOA_X
ClientSampled :

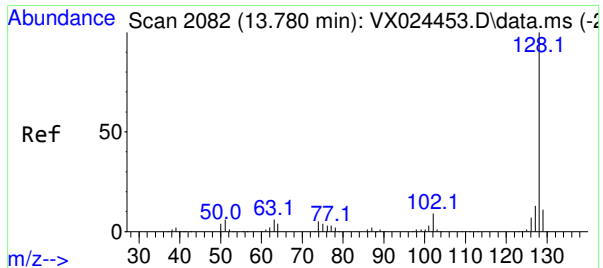
Tgt Ion: 75 Resp: 56156
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.38 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Tgt Ion: 75 Resp: 56156
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 0.56 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024763.D
Acq: 12 Oct 2021 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	128	Resp:	3543
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.3	15.5
129	11.5	8.8	13.2

