

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101221\
 Data File : VX024771.D
 Acq On : 12 Oct 2021 18:21
 Operator : JC/MD
 Sample : M4169-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 19:00:19 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)

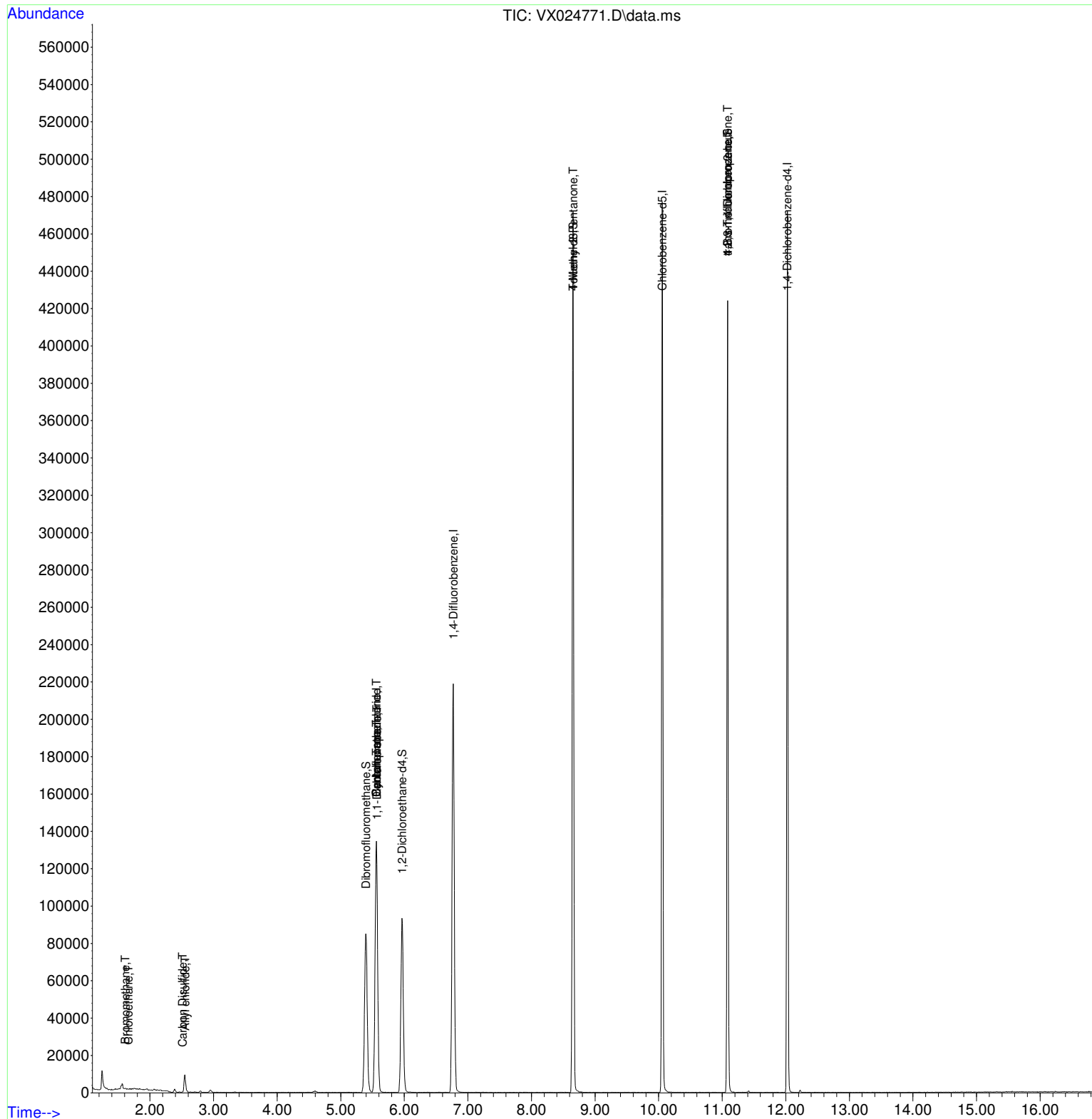
Internal Standards						
1) Pentafluorobenzene	5.562	168	121992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	217719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94770	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95558	55.58	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.16%			
35) Dibromofluoromethane	5.397	113	74274	51.35	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.70%			
50) Toluene-d8	8.653	98	269133	50.56	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.12%			
62) 4-Bromofluorobenzene	11.085	95	106820	51.04	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.08%			
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	247	0.30	ug/l #	77
6) Chloroethane	1.660	64	158	0.45	ug/l #	43
11) Tert butyl alcohol	2.953	59	803	Below Cal	#	73
14) Allyl chloride	2.550	41	1008	0.49	ug/l #	56
16) Acetone	2.386	43	1773	Below Cal		92
17) Carbon Disulfide	2.514	76	229	0.31	ug/l #	75
20) Methylene Chloride	2.794	84	269	Below Cal	#	59
31) Cyclohexane	5.562	56	2716	1.32	ug/l #	25
36) 1,1-Dichloropropene	5.568	75	9322	4.47	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13077	5.76	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1358	0.52	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	57314	26.63	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	57314	72.49	ug/l #	12

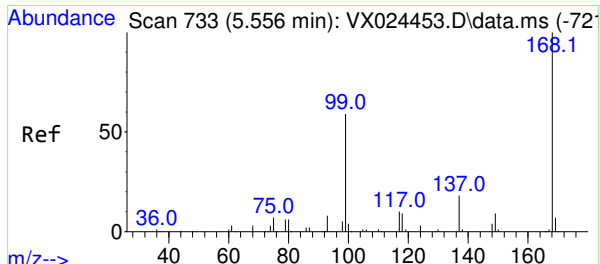
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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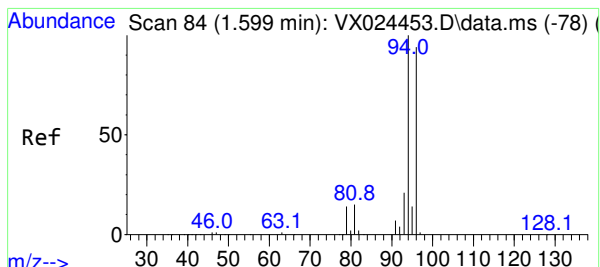
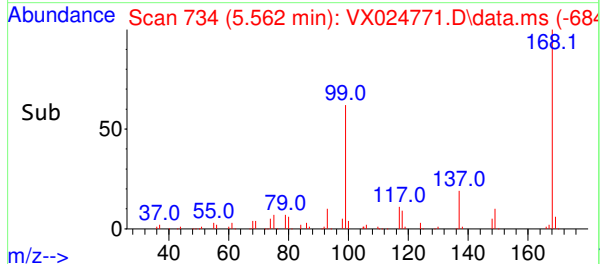
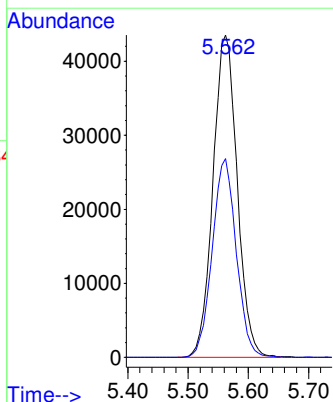
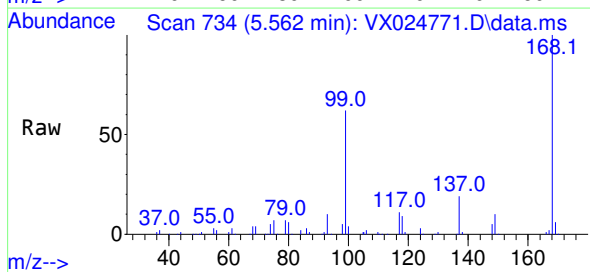




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

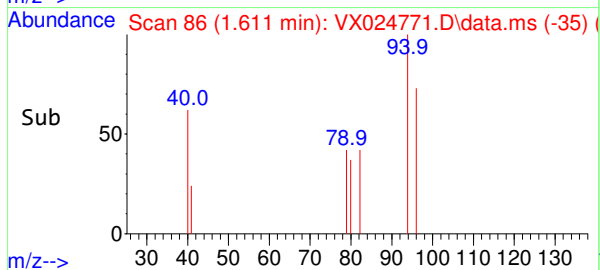
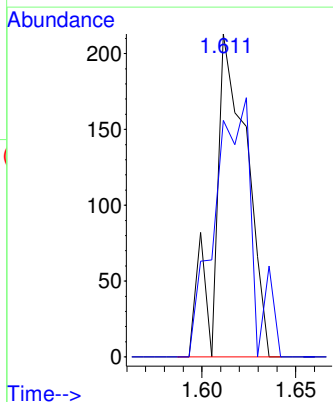
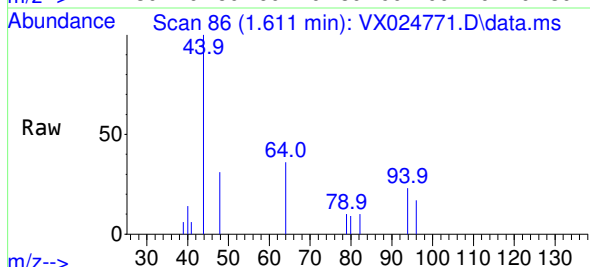
Instrument :
MSVOA_X
ClientSampleId :

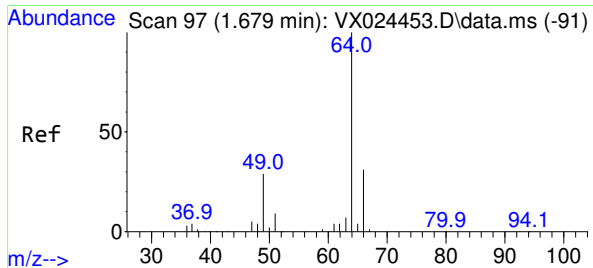
Tgt Ion:168 Resp: 121992
Ion Ratio Lower Upper
168 100
99 61.6 45.8 68.6



#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 73.2 76.4 114.6#

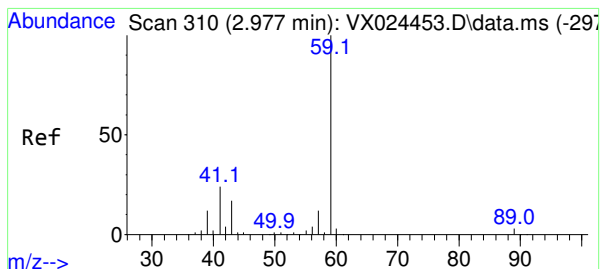
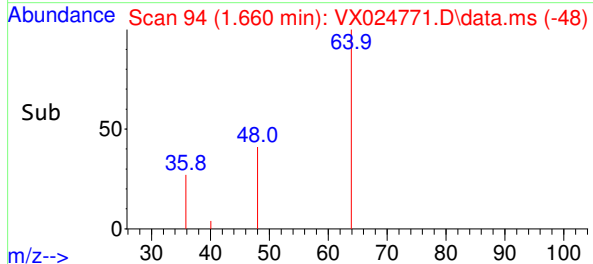
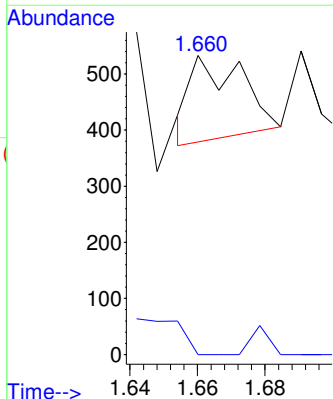
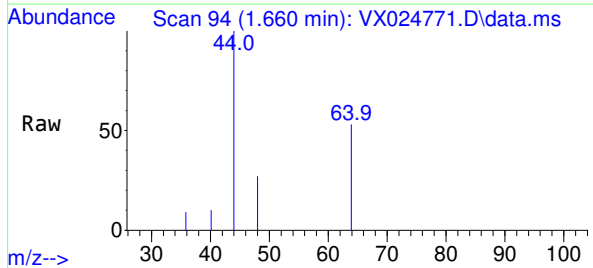




#6
Chloroethane
Concen: 0.45 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

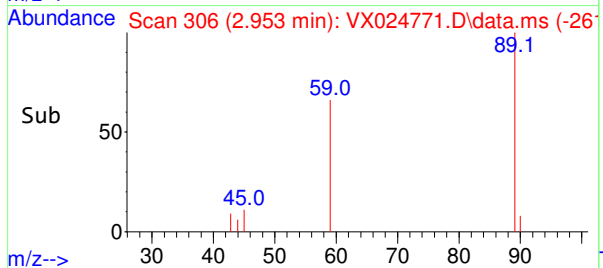
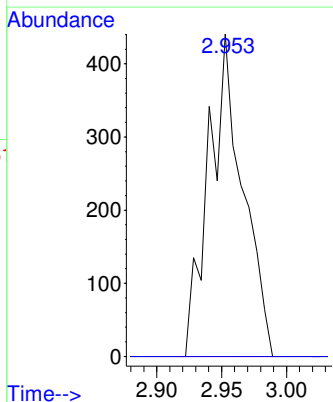
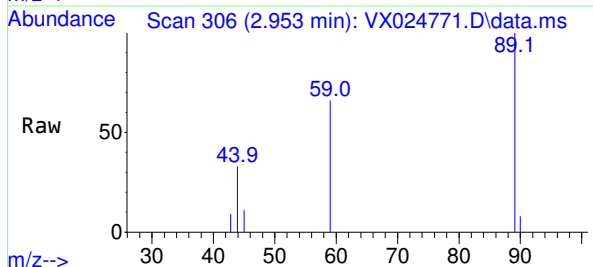
Instrument :
MSVOA_X
ClientSampled :

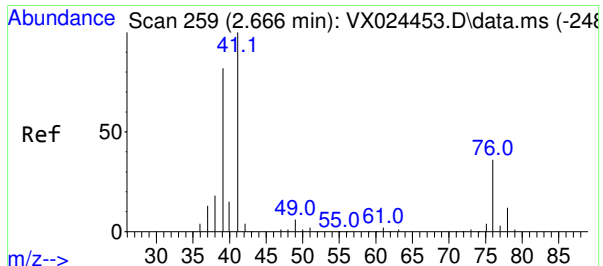
Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion: 59 Resp: 803
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



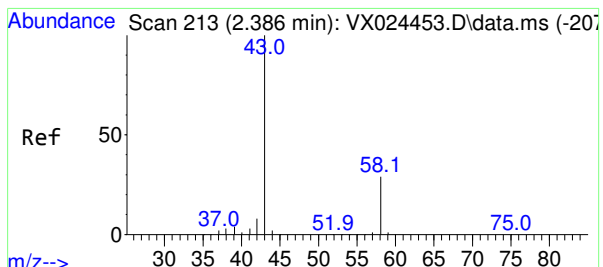
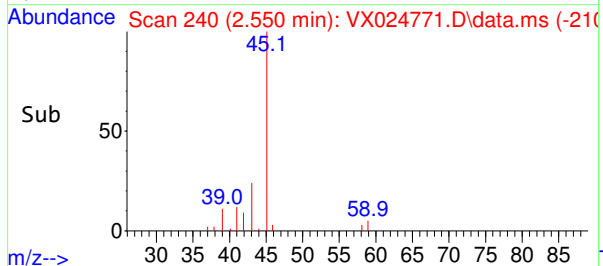
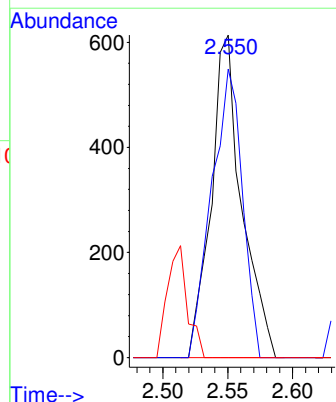
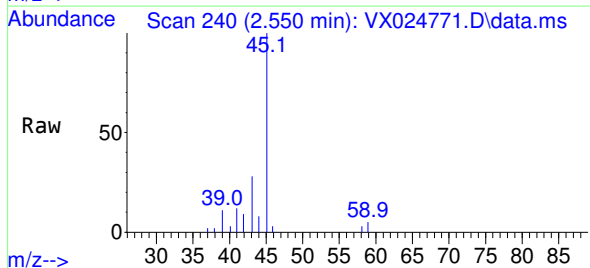


#14
 Allyl chloride
 Concen: 0.49 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX024771.D
 Acq: 12 Oct 2021 18:21

Instrument :
 MSVOA_X
 ClientSampled :

Tgt Ion: 41 Resp: 1008

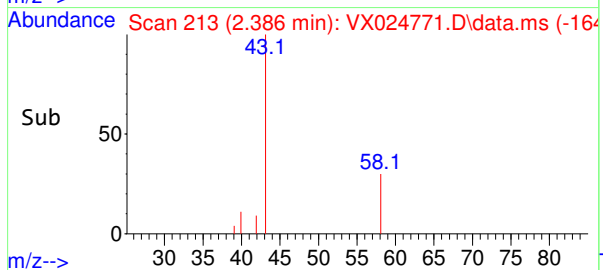
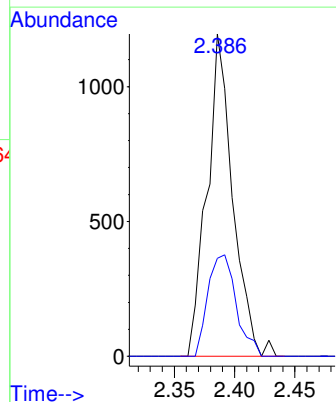
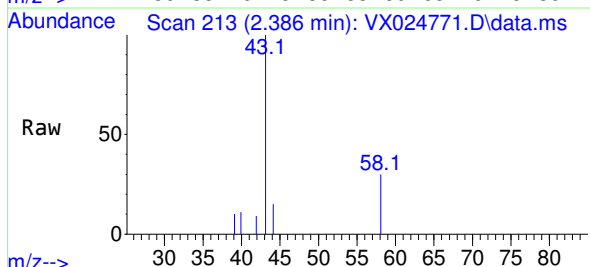
Ion	Ratio	Lower	Upper
41	100		
39	89.9	51.6	77.4#
76	0.0	30.5	45.7#

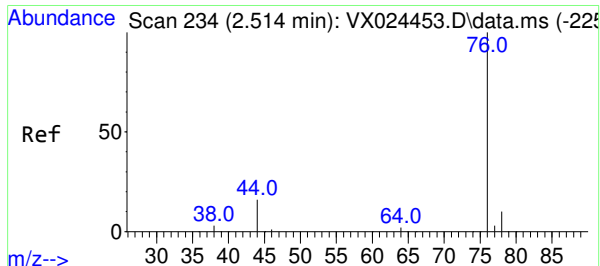


#16
 Acetone
 Concen: Below Cal
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX024771.D
 Acq: 12 Oct 2021 18:21

Tgt Ion: 43 Resp: 1773

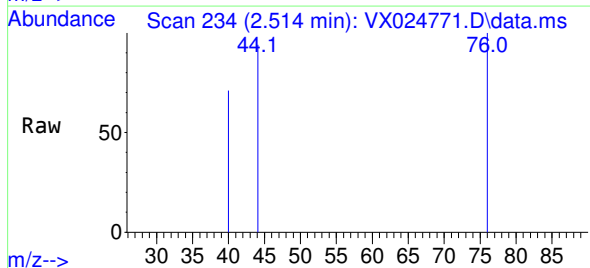
Ion	Ratio	Lower	Upper
43	100		
58	30.4	27.8	41.8



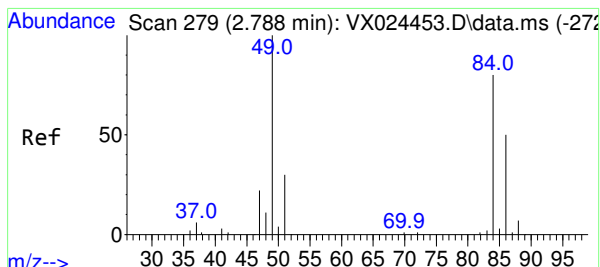
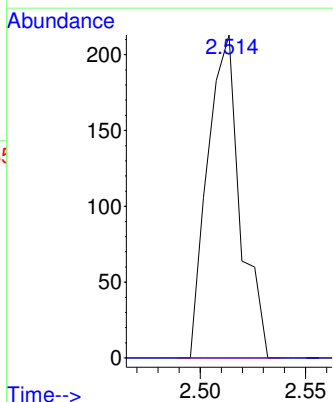
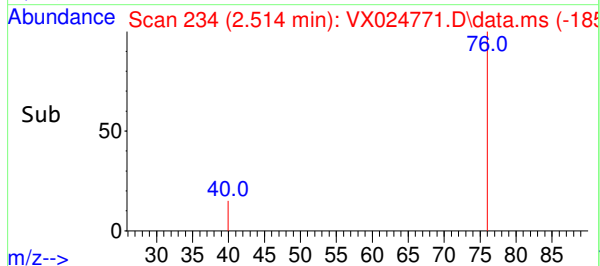


#17
Carbon Disulfide
Concen: 0.31 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

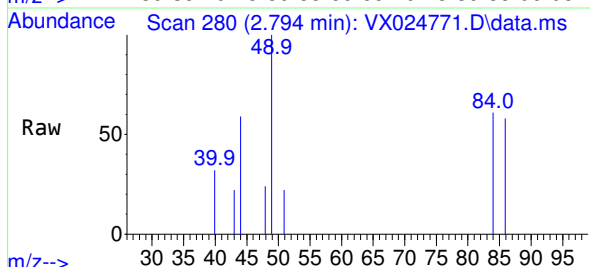
Instrument :
MSVOA_X
ClientSampled :



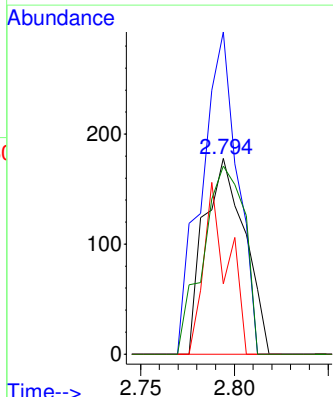
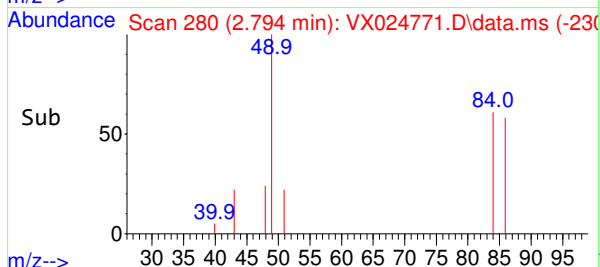
Tgt Ion: 76 Resp: 229
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

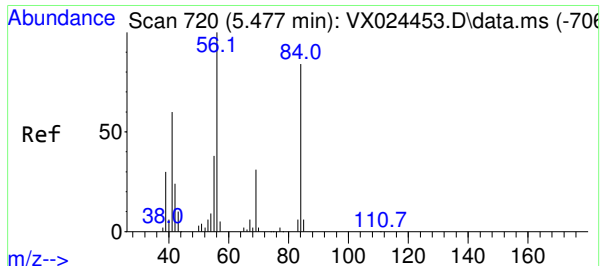


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21



Tgt Ion: 84 Resp: 269
Ion Ratio Lower Upper
84 100
49 164.6 88.6 132.8#
51 36.0 27.0 40.6
86 96.1 50.3 75.5#



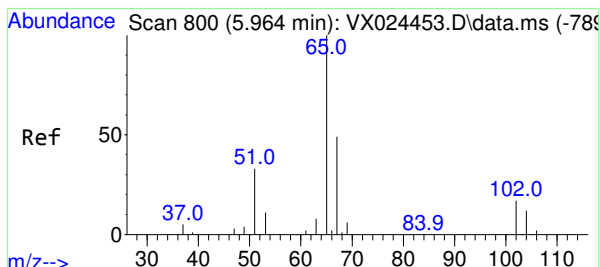
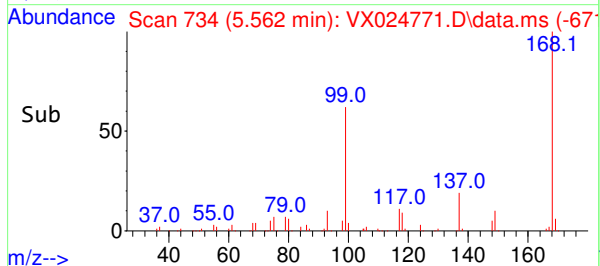
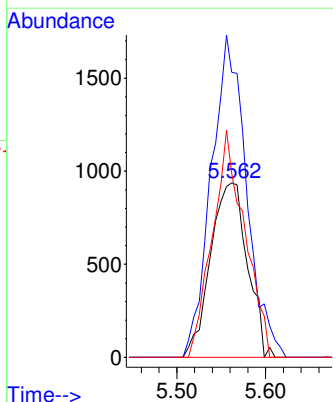
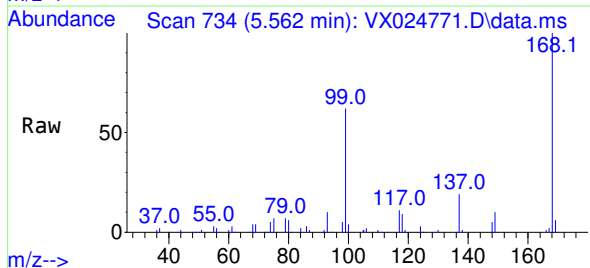


#31
Cyclohexane
Concen: 1.32 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 56 Resp: 2716

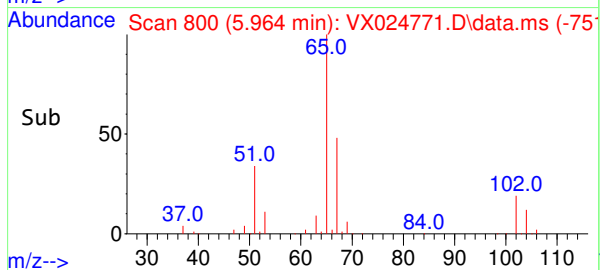
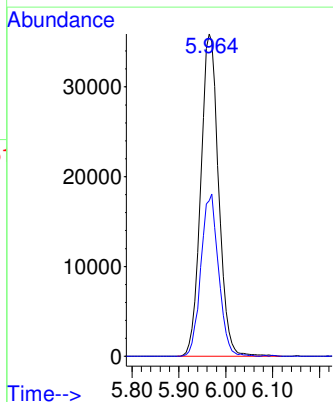
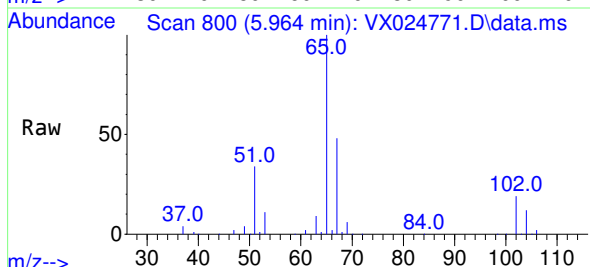
Ion	Ratio	Lower	Upper
56	100		
69	163.4	25.3	37.9#
84	105.8	71.4	107.0

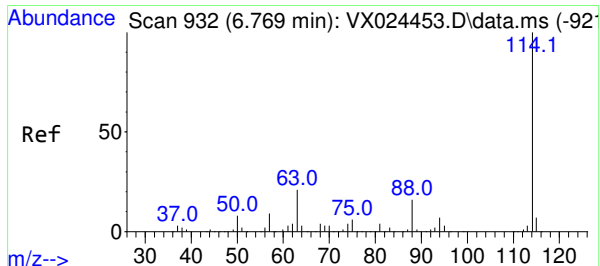


#33
1,2-Dichloroethane-d4
Concen: 55.58 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion: 65 Resp: 95558

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	105.4

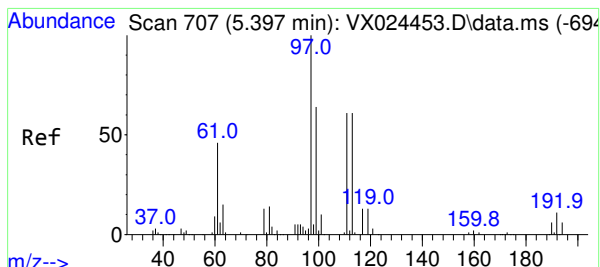
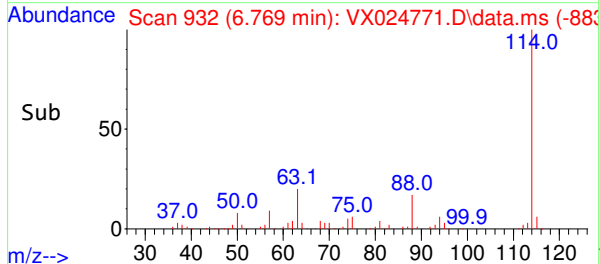
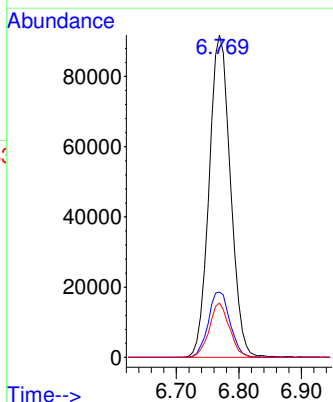
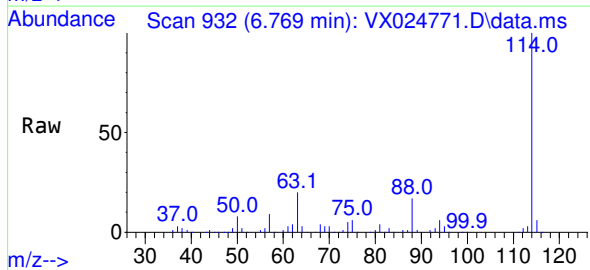




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

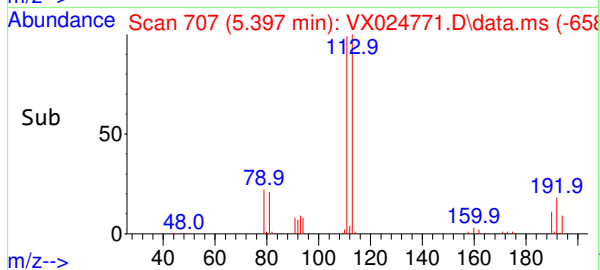
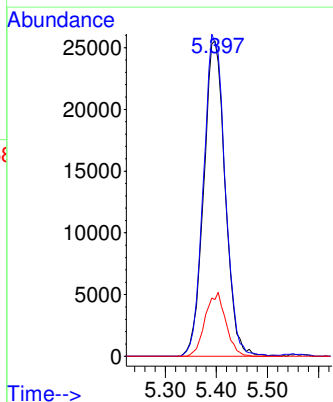
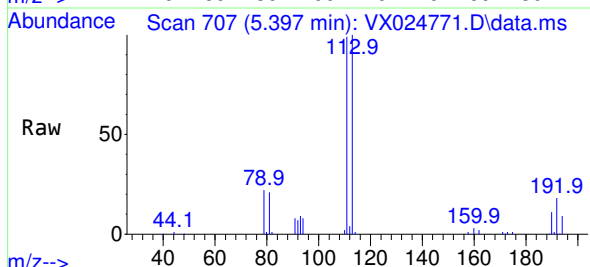
Instrument :
MSVOA_X
ClientSampled :

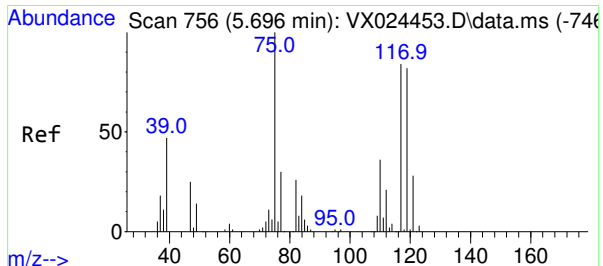
Tgt Ion:	114	Resp:	217719
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	16.9	0.0	32.8



#35
Dibromofluoromethane
Concen: 51.35 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion:	113	Resp:	74274
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	19.5	16.7	25.1

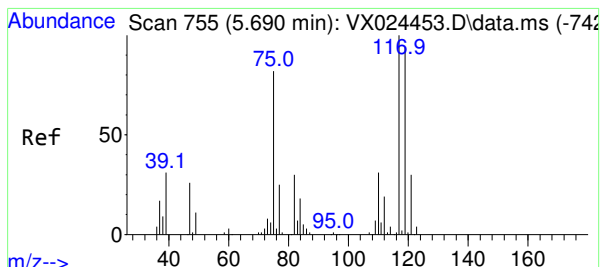
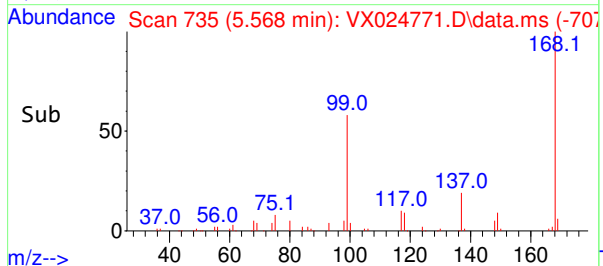
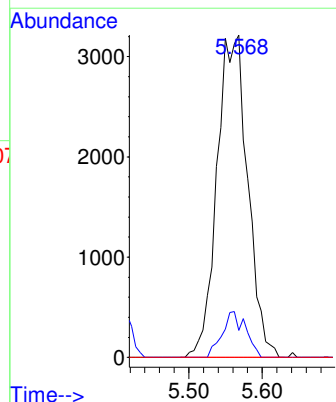
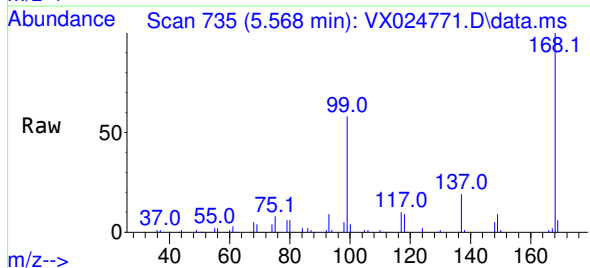




#36
1,1-Dichloropropene
Concen: 4.47 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

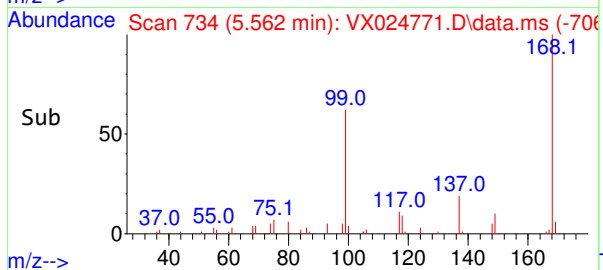
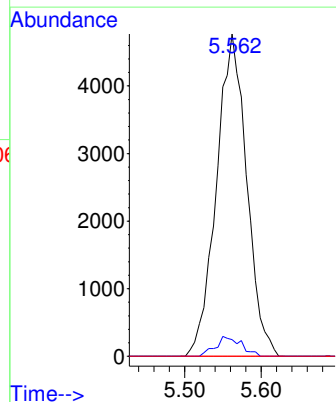
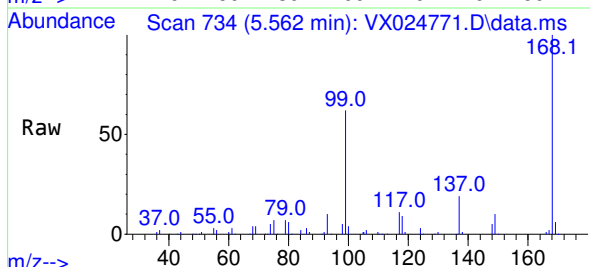
Instrument :
MSVOA_X
ClientSampled :

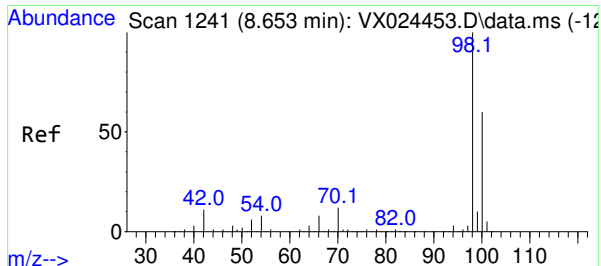
Tgt Ion: 75 Resp: 9322
Ion Ratio Lower Upper
75 100
110 10.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.76 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion: 117 Resp: 13077
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

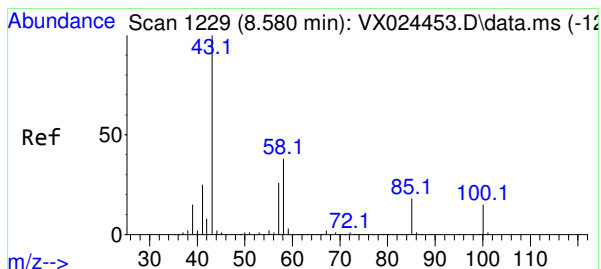
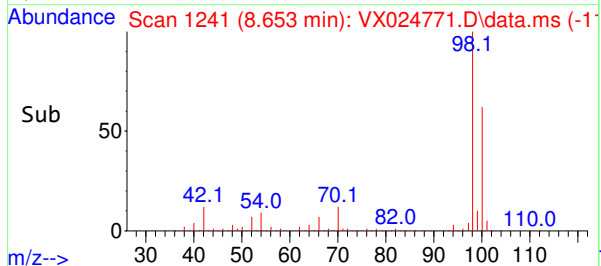
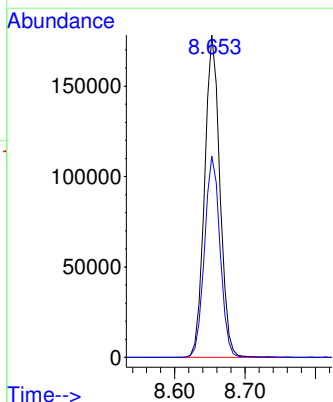
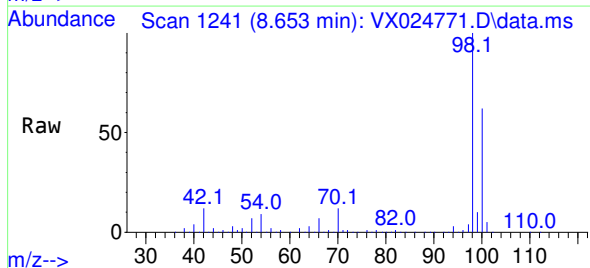




#50
Toluene-d8
Concen: 50.56 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

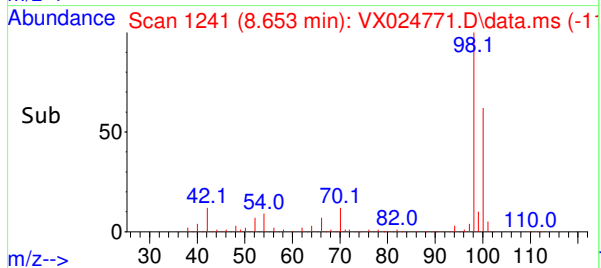
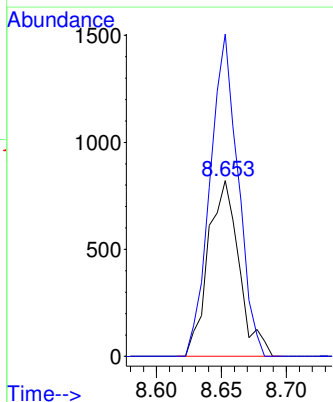
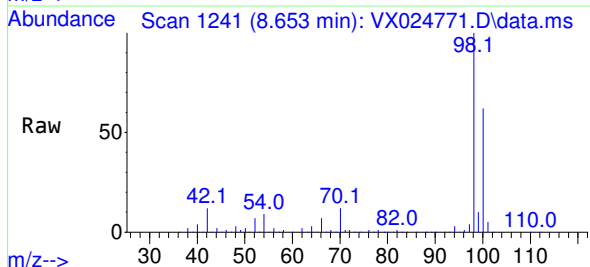
Instrument :
MSVOA_X
ClientSampled :

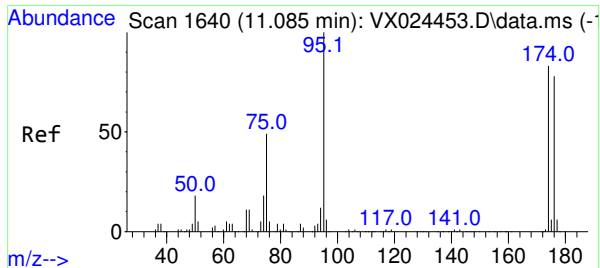
Tgt Ion: 98 Resp: 269133
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 166.7 35.4 53.0#

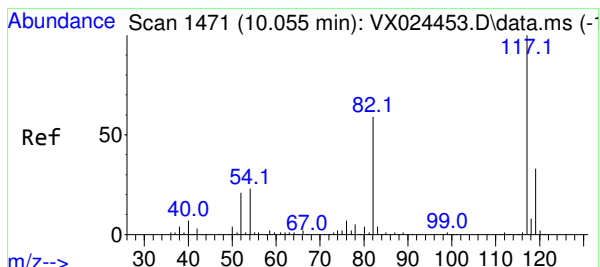
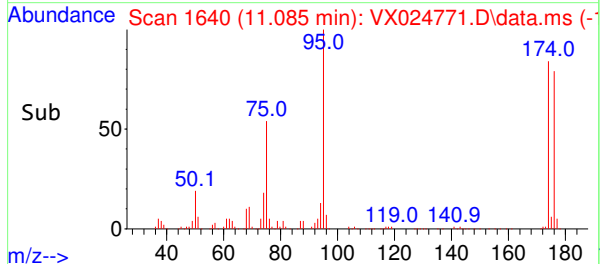
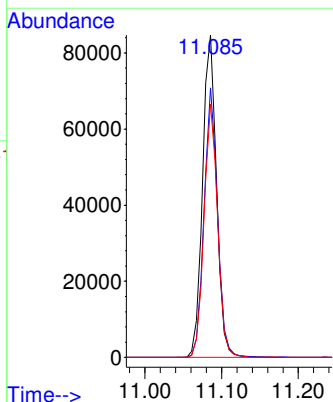
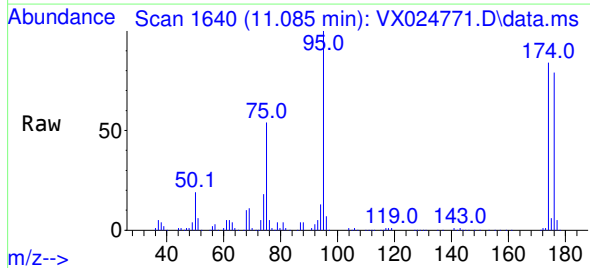




#62
4-Bromofluorobenzene
Concen: 51.04 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

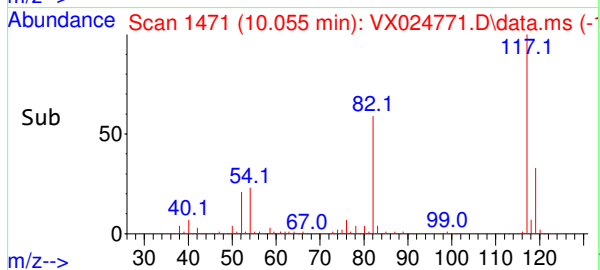
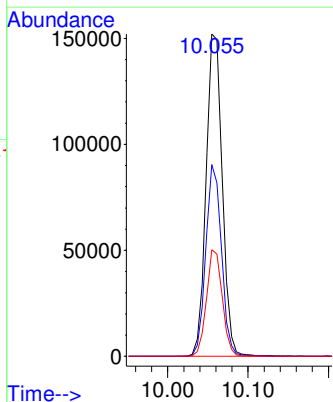
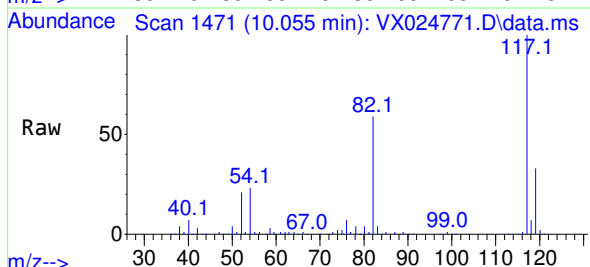
Instrument :
MSVOA_X
ClientSampled :

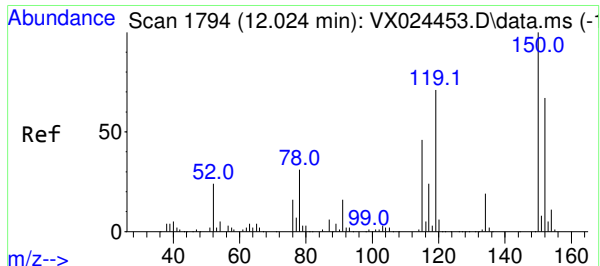
Tgt Ion:	95	Resp:	106820
Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	154.6
176	76.7	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion:	117	Resp:	212929
Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.4	71.2
119	33.1	26.6	39.8

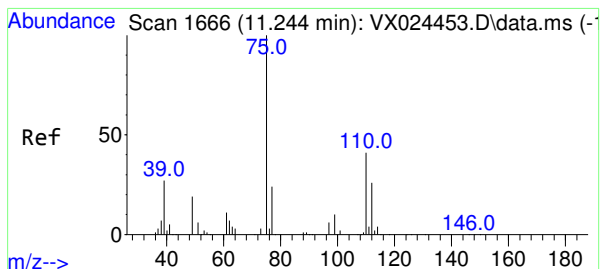
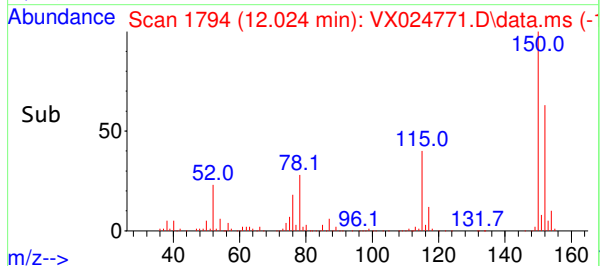
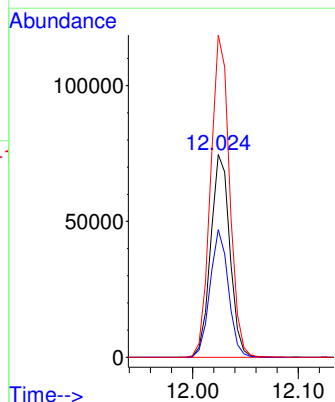
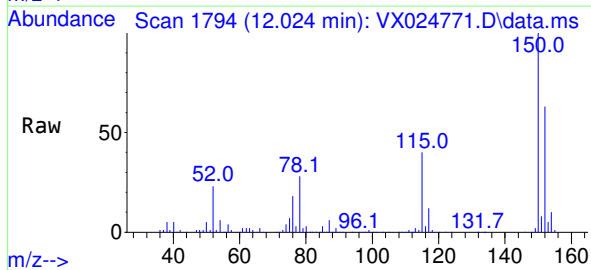




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

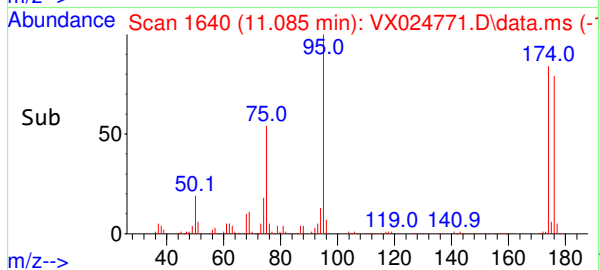
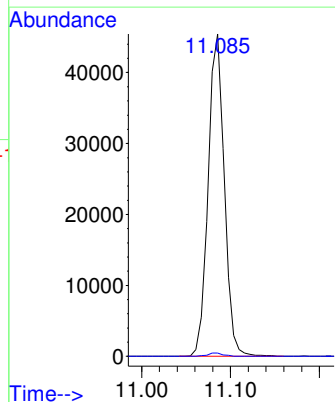
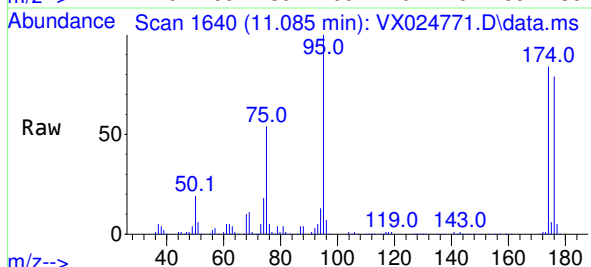
Instrument :
MSVOA_X
ClientSampled :

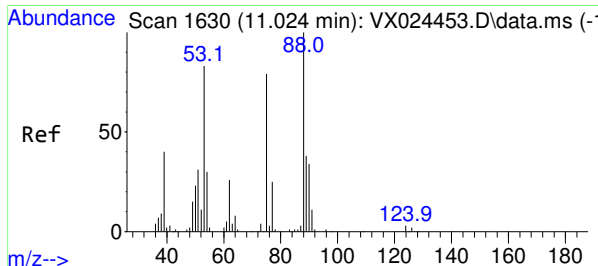
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.1	123.3
150	157.1	0.0	349.0



#76
1,2,3-Trichloropropane
Concen: 26.63 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.1	57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.49 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024771.D
Acq: 12 Oct 2021 18:21

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#

