

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023455.D
 Acq On : 26 Jul 2021 16:48
 Operator : JC/MD
 Sample : M3146-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:28:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

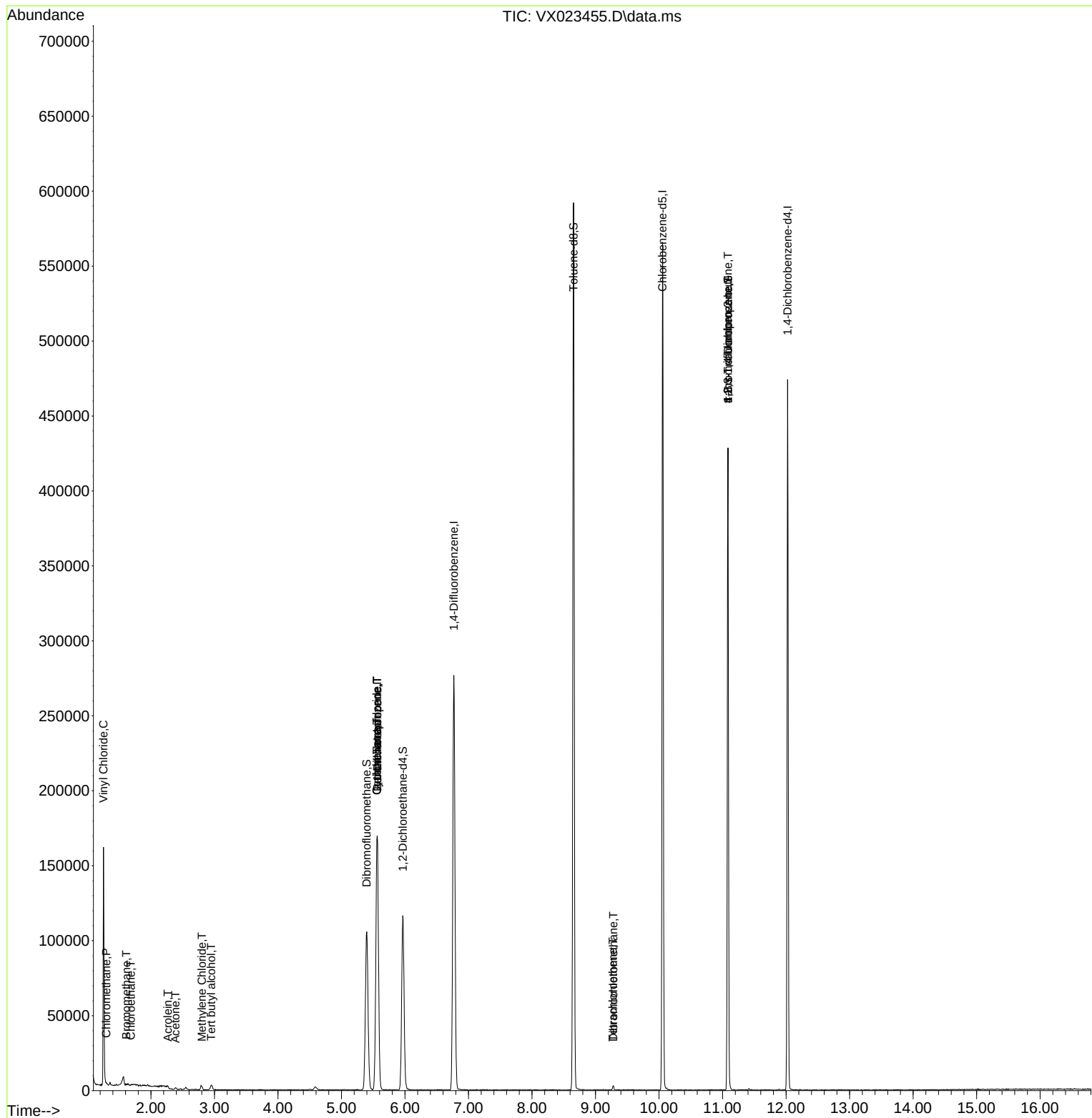
Internal Standards						
1) Pentafluorobenzene	5.562	168	167537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	284991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96809	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110134	52.70	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.40%			
35) Dibromofluoromethane	5.397	113	90697	50.90	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.80%			
50) Toluene-d8	8.653	98	341567	52.17	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.34%			
62) 4-Bromofluorobenzene	11.085	95	109456	49.17	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.34%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	550	0.31	ug/l #	70
4) Vinyl Chloride	1.252	62	1228	0.68	ug/l #	12
5) Bromomethane	1.611	94	674	0.62	ug/l #	60
6) Chloroethane	1.685	64	241	0.22	ug/l #	43
11) Tert butyl alcohol	2.947	59	2220	4.65	ug/l #	73
13) Acrolein	2.264	56	61	1.61	ug/l #	32
16) Acetone	2.386	43	1078	1.05	ug/l	96
20) Methylene Chloride	2.800	84	1416	0.71	ug/l	88
31) Cyclohexane	5.556	56	3540	1.14	ug/l #	19
36) 1,1-Dichloropropene	5.562	75	12370	4.80	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16443	6.27	ug/l #	16
60) Dibromochloromethane	9.281	129	601	2.25	ug/l #	11
64) Tetrachloroethene	9.275	164	480	0.24	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	55842	26.21	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55842	70.48	ug/l #	12

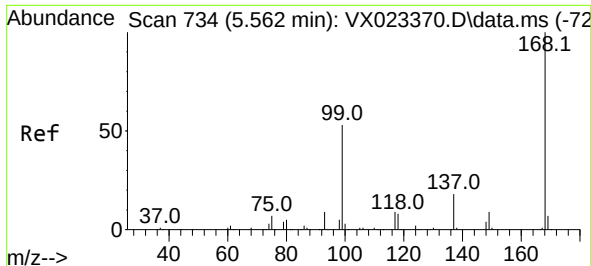
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 03:28:33 2021
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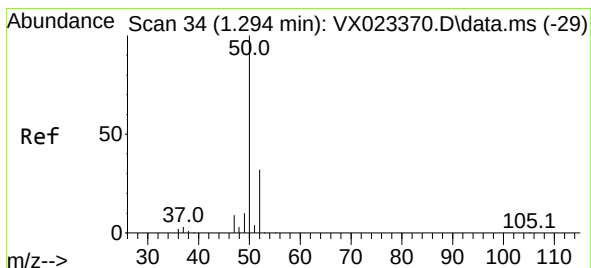
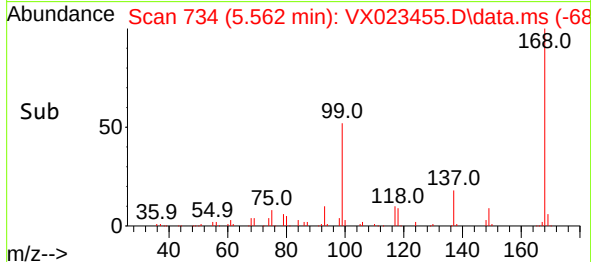
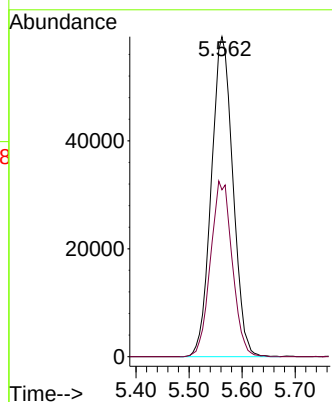
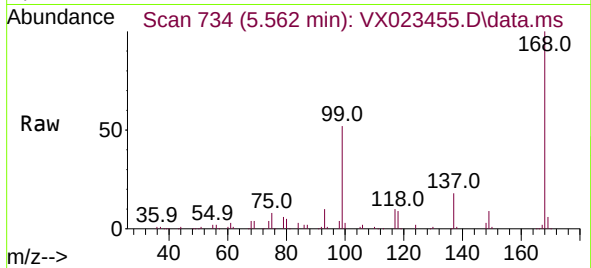




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

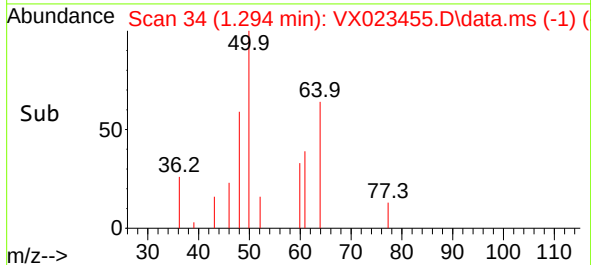
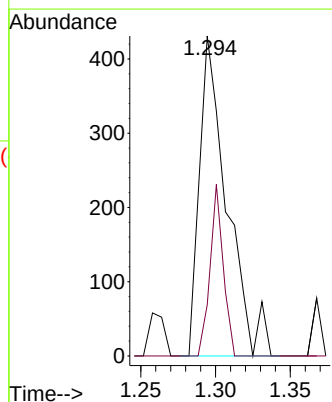
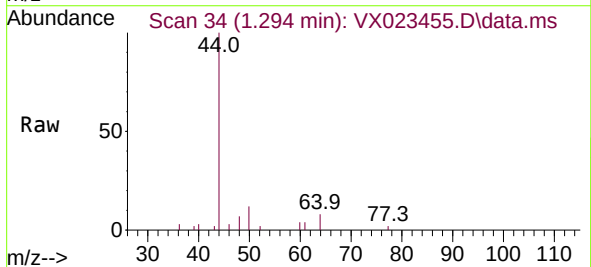
Instrument :
MSVOA_X
ClientSampleId :

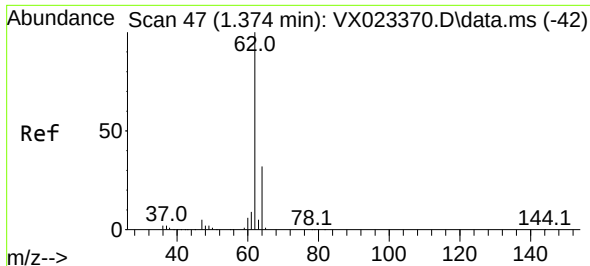
Tgt Ion:168 Resp: 167537
Ion Ratio Lower Upper
168 100
99 52.1 45.8 68.6



#3
Chloromethane
Concen: 0.31 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

Tgt Ion: 50 Resp: 550
Ion Ratio Lower Upper
50 100
52 16.0 26.4 39.6#

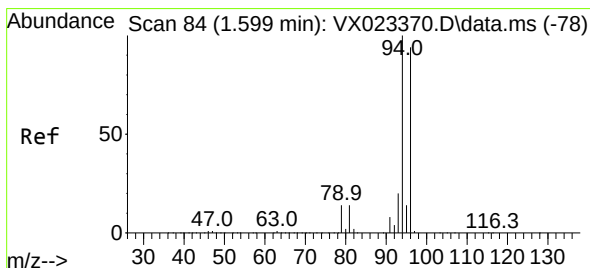
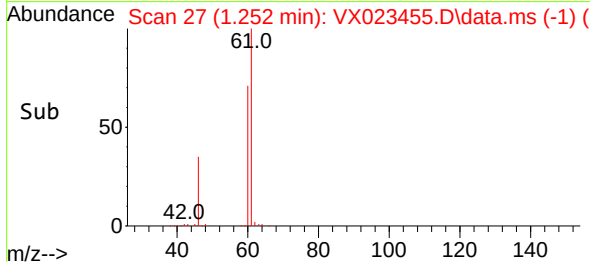
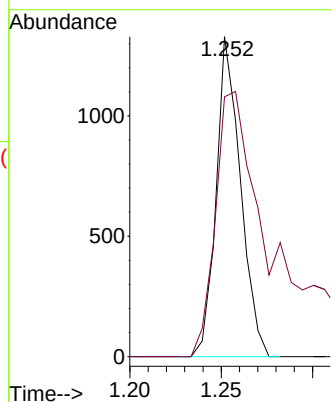
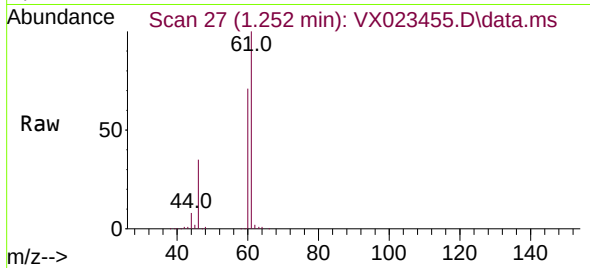




#4
 Vinyl Chloride
 Concen: 0.68 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023455.D
 Acq: 26 Jul 2021 16:48

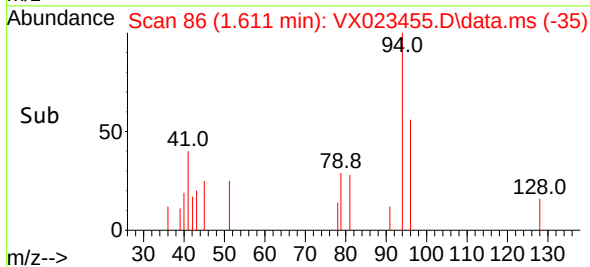
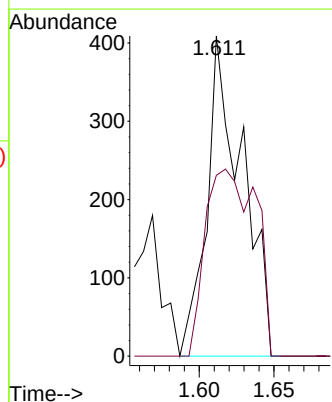
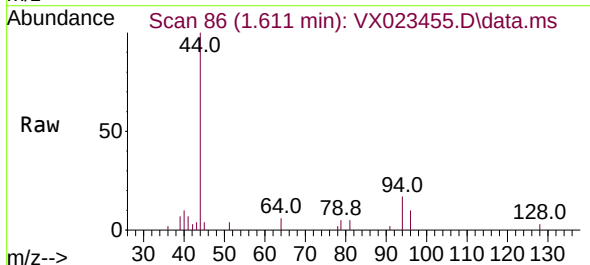
Instrument :
 MSVOA_X
 ClientSampled :

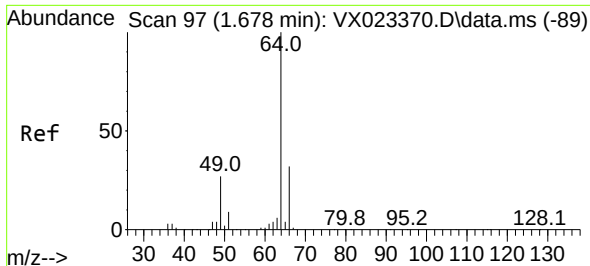
Tgt Ion: 62 Resp: 1228
 Ion Ratio Lower Upper
 62 100
 64 81.2 25.7 38.5#



#5
 Bromomethane
 Concen: 0.62 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX023455.D
 Acq: 26 Jul 2021 16:48

Tgt Ion: 94 Resp: 674
 Ion Ratio Lower Upper
 94 100
 96 56.5 76.4 114.6#

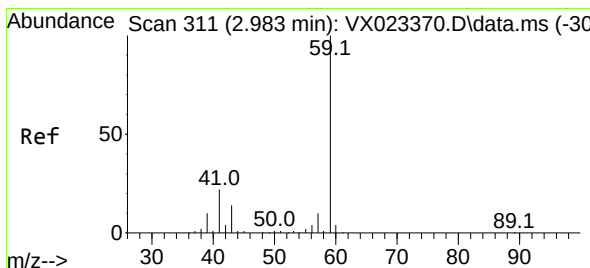
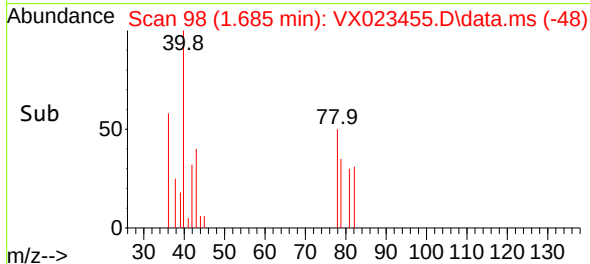
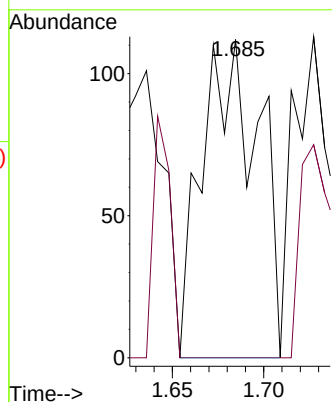
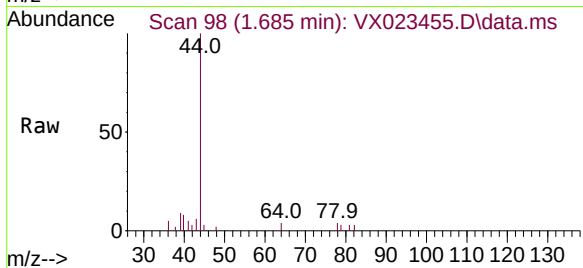




#6
Chloroethane
Concen: 0.22 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

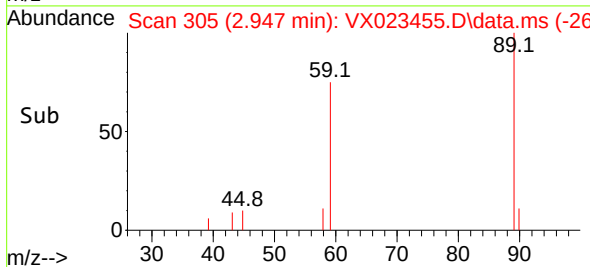
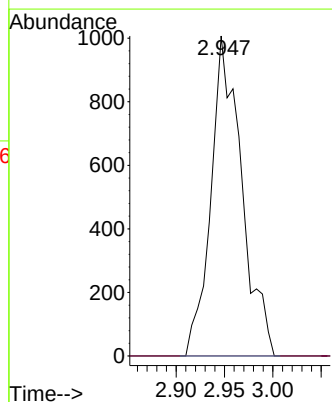
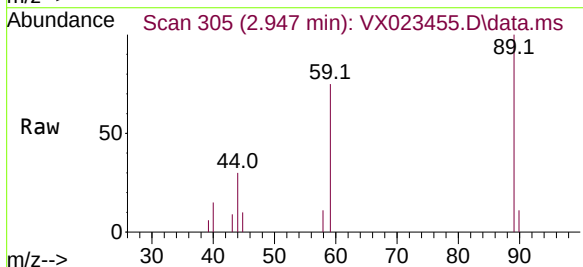
Instrument :
MSVOA_X
ClientSampled :

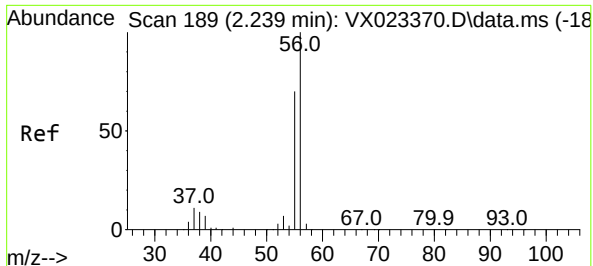
Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 4.65 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

Tgt Ion: 59 Resp: 2220
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 1.61 ug/l

RT: 2.264 min Scan# 193

Delta R.T. 0.025 min

Lab File: VX023455.D

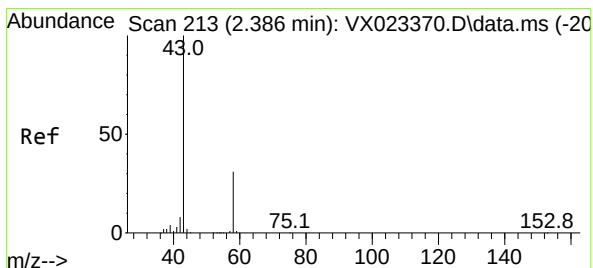
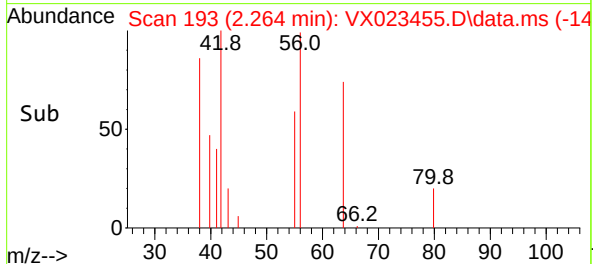
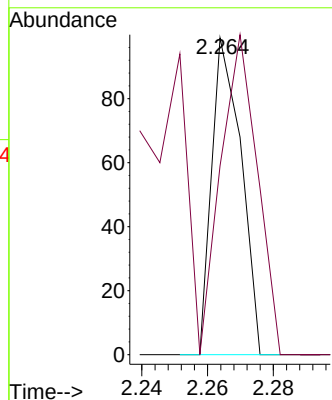
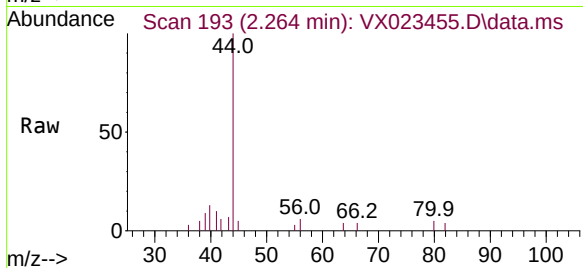
Acq: 26 Jul 2021 16:48

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 126.2 56.4 84.6#



#16

Acetone

Concen: 1.05 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX023455.D

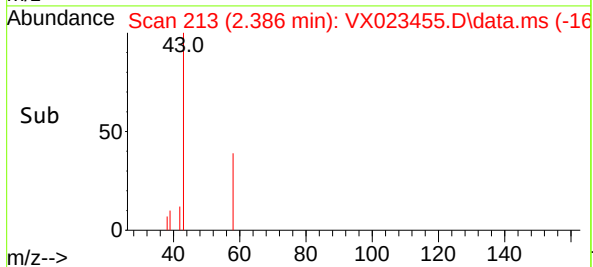
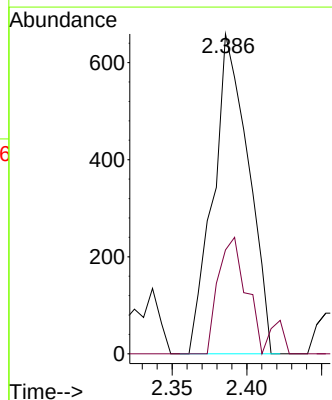
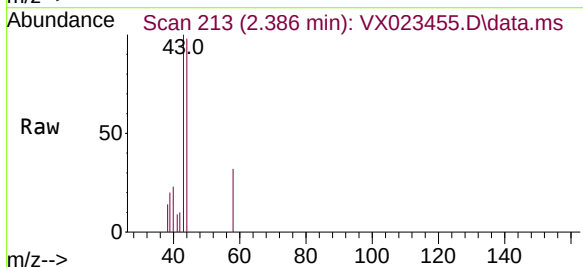
Acq: 26 Jul 2021 16:48

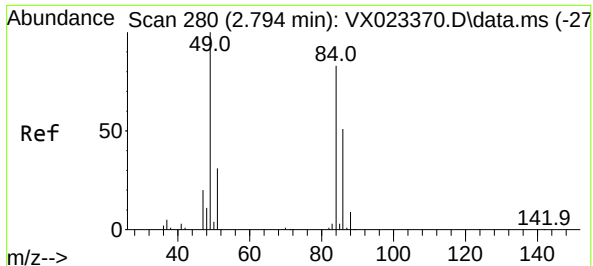
Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

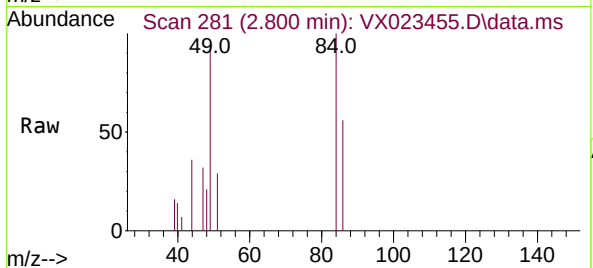
58 32.5 27.8 41.8



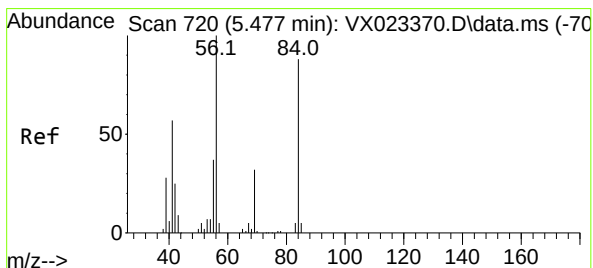
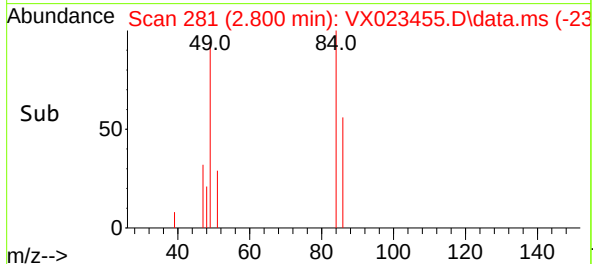
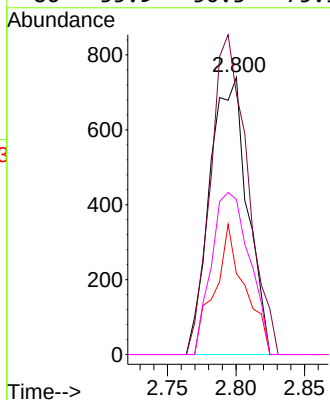


#20
Methylene Chloride
Concen: 0.71 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

Instrument :
MSVOA_X
ClientSampled :

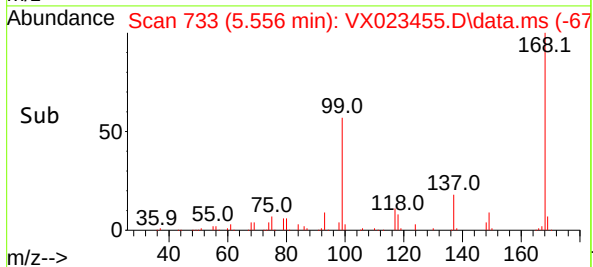
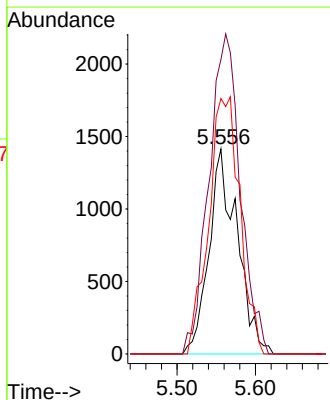
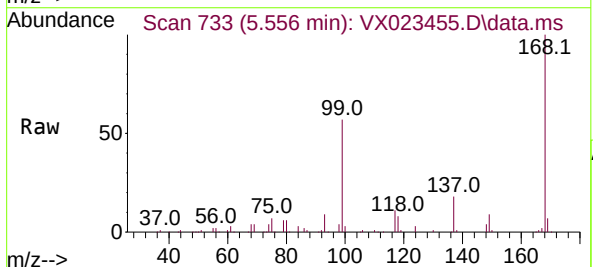


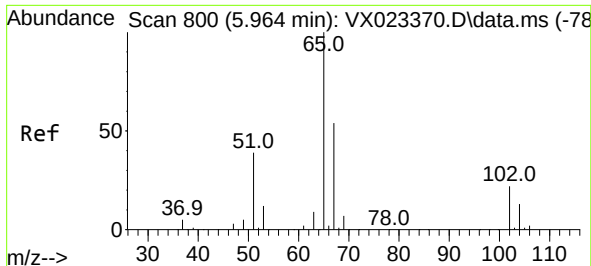
Tgt Ion:	84	Resp:	1416
Ion	Ratio	Lower	Upper
84	100		
49	93.9	88.6	132.8
51	29.2	27.0	40.6
86	55.9	50.3	75.5



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

Tgt Ion:	56	Resp:	3540
Ion	Ratio	Lower	Upper
56	100		
69	143.6	25.3	37.9#
84	124.6	71.4	107.0#

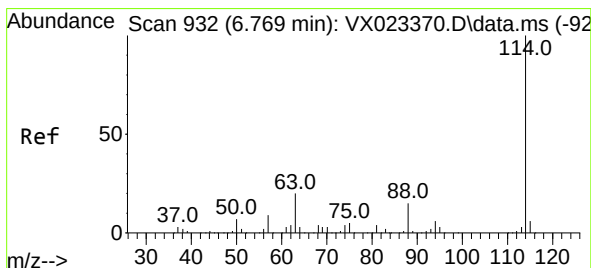
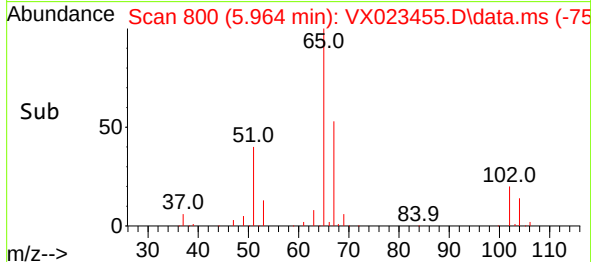
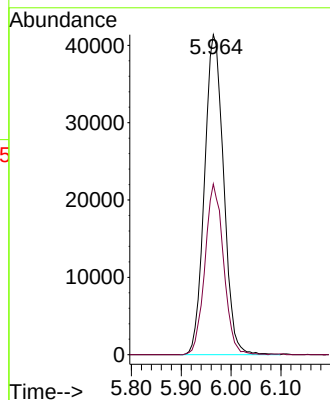
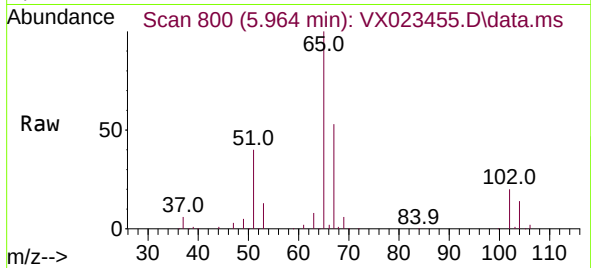




#33
 1,2-Dichloroethane-d4
 Concen: 52.70 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023455.D
 Acq: 26 Jul 2021 16:48

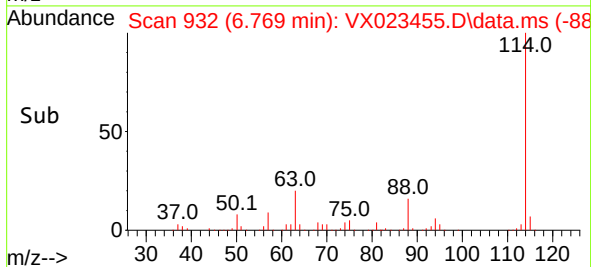
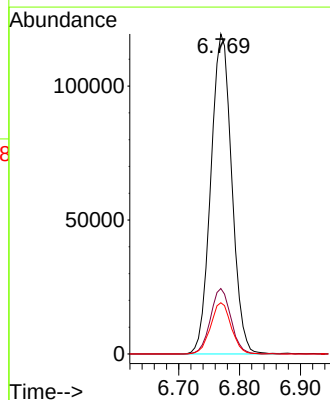
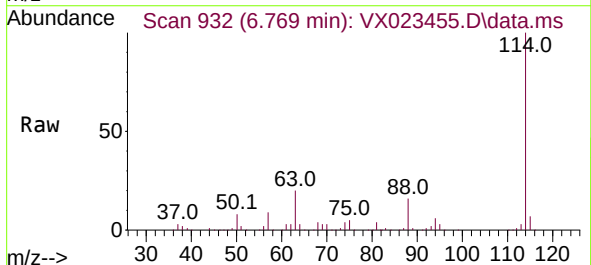
Instrument :
 MSVOA_X
 ClientSampleId :

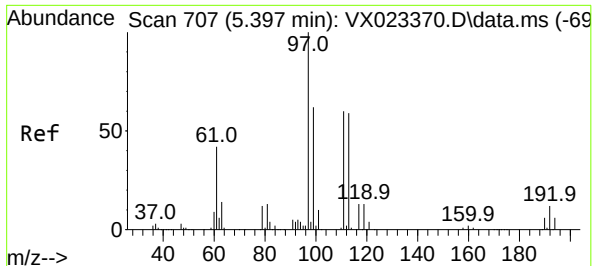
Tgt Ion: 65 Resp: 110134
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023455.D
 Acq: 26 Jul 2021 16:48

Tgt Ion: 114 Resp: 284991
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.90 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023455.D

Acq: 26 Jul 2021 16:48

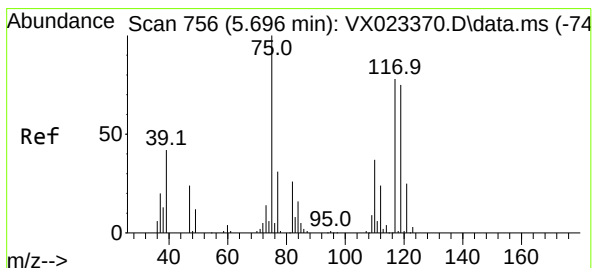
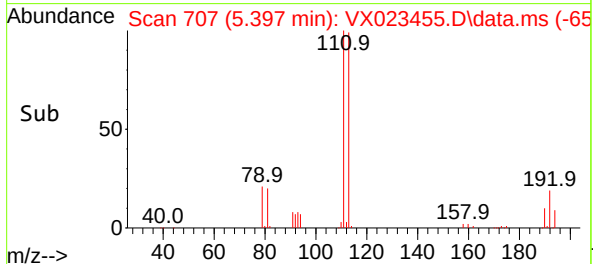
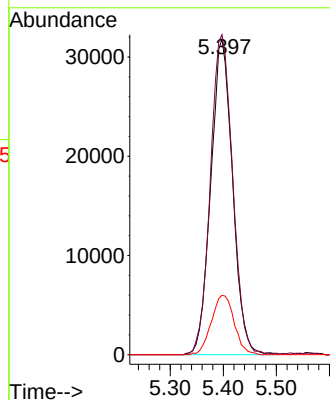
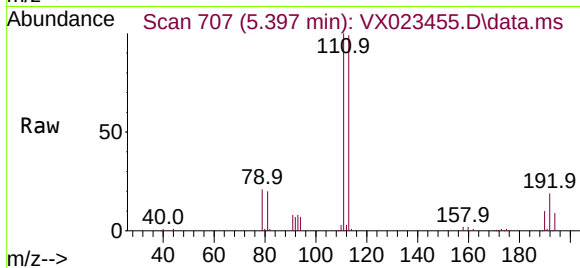
Tgt Ion:113 Resp: 90697

Ion Ratio Lower Upper

113 100

111 104.0 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023455.D

Acq: 26 Jul 2021 16:48

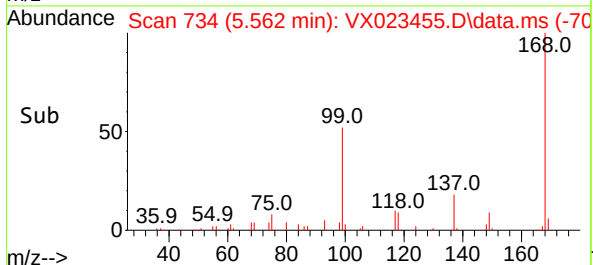
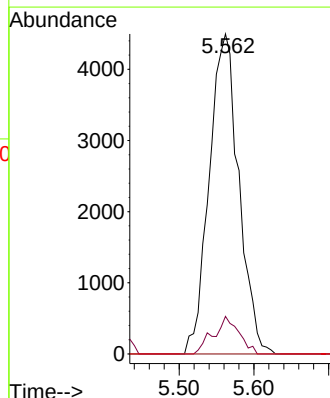
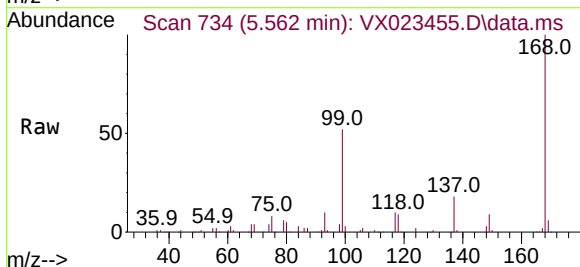
Tgt Ion: 75 Resp: 12370

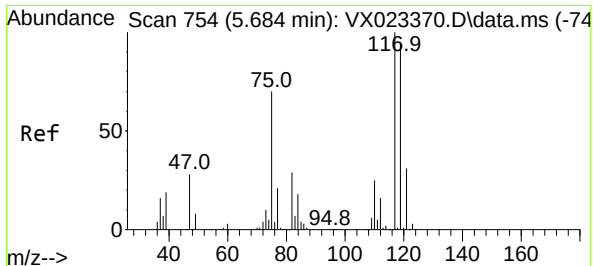
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

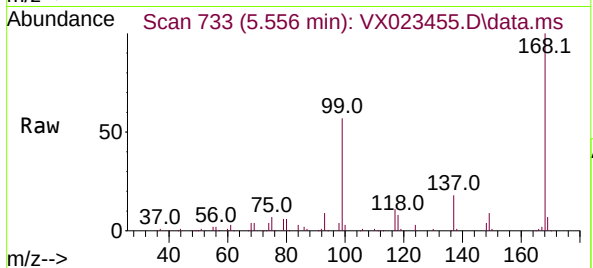
77 0.0 25.3 37.9#



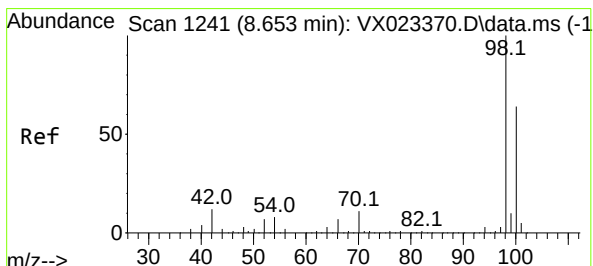
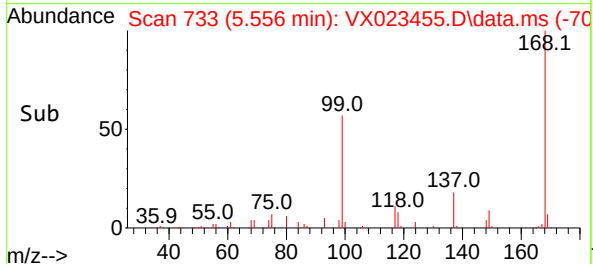
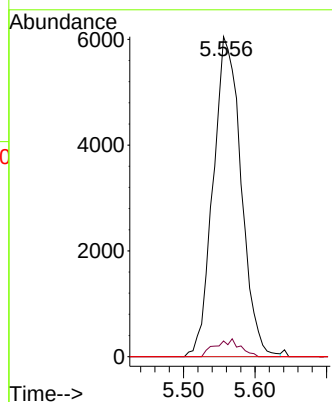


#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

Instrument :
MSVOA_X
ClientSampled :

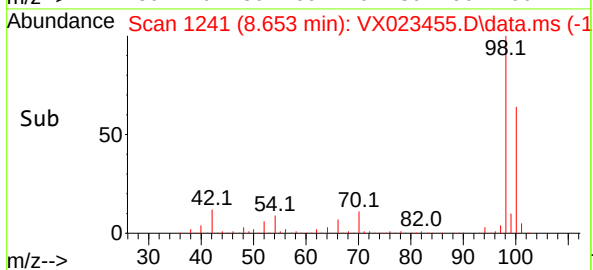
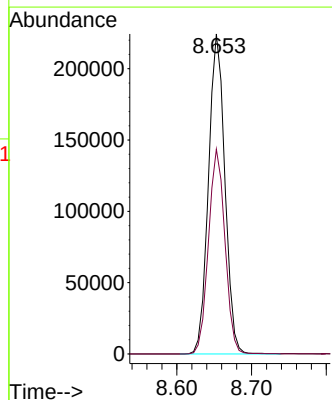
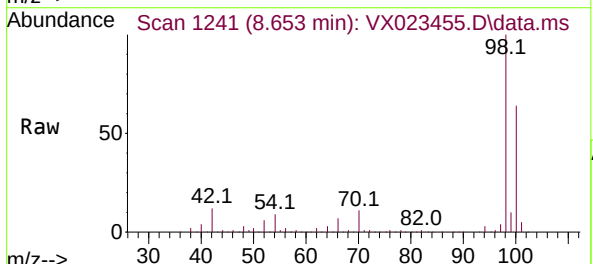


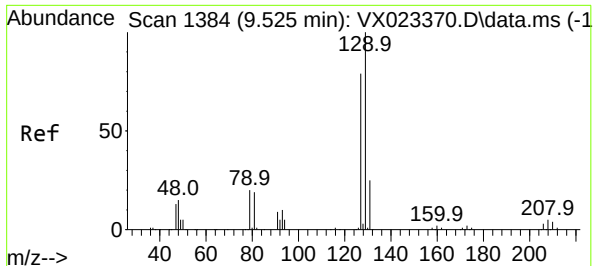
Tgt Ion:117 Resp: 16443
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.17 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

Tgt Ion: 98 Resp: 341567
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9





#60

Dibromochloromethane

Concen: 2.25 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023455.D

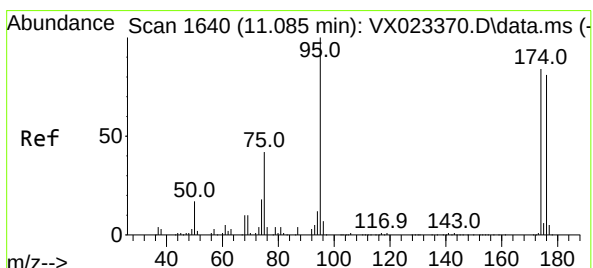
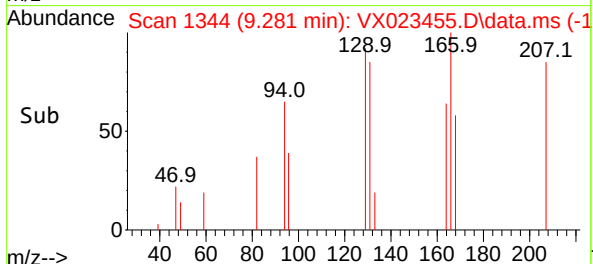
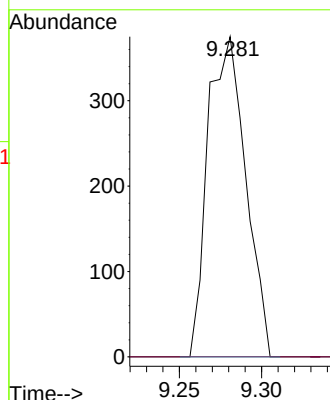
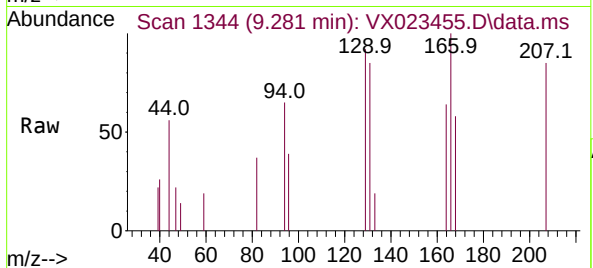
Acq: 26 Jul 2021 16:48

Tgt Ion:129 Resp: 601

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 49.17 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023455.D

Acq: 26 Jul 2021 16:48

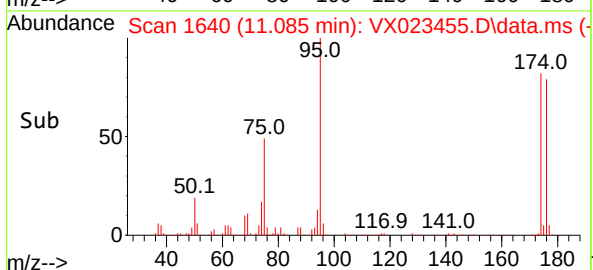
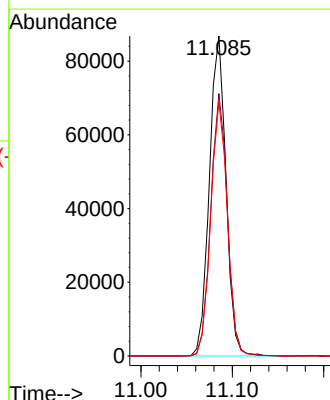
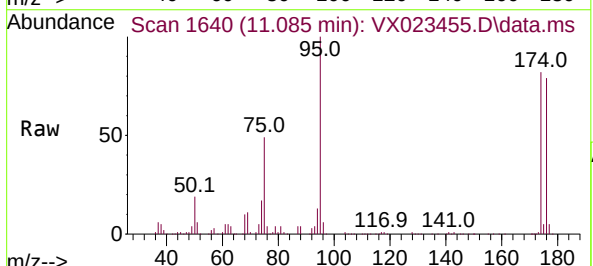
Tgt Ion: 95 Resp: 109456

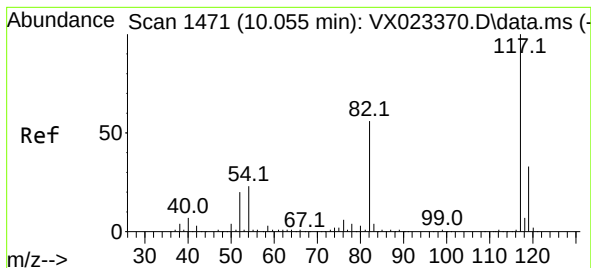
Ion Ratio Lower Upper

95 100

174 82.1 0.0 154.6

176 79.3 0.0 155.8

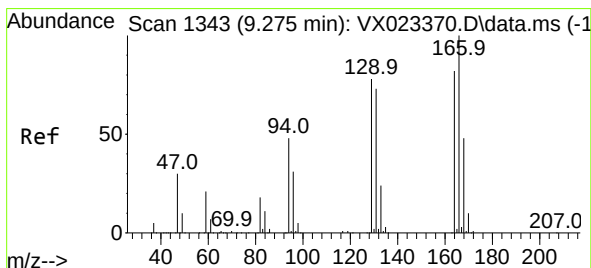
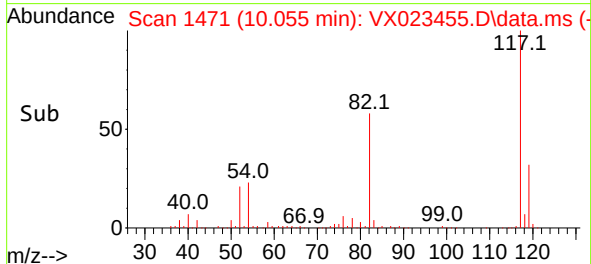
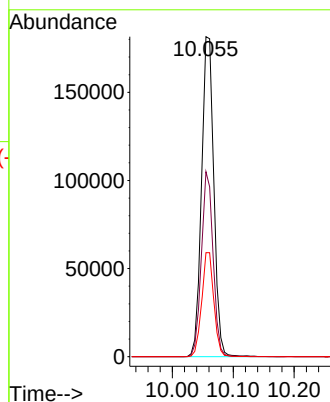
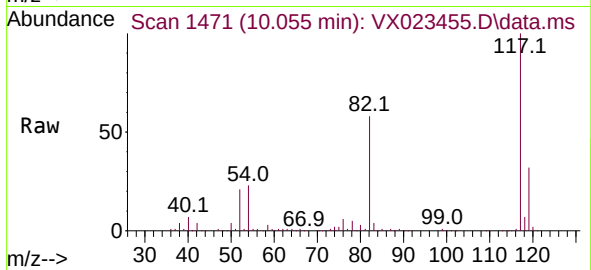




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

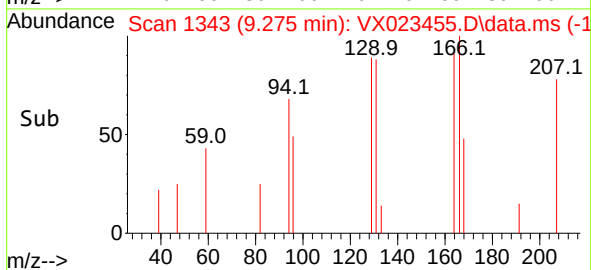
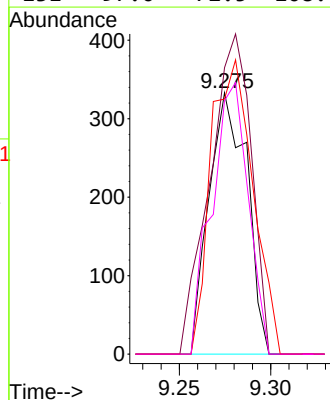
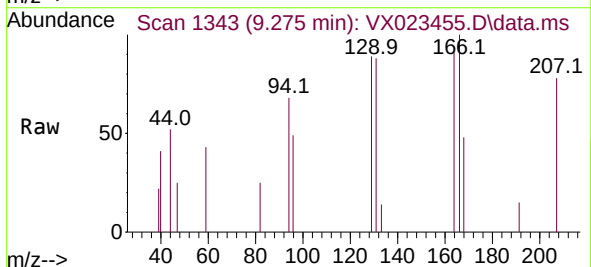
Instrument :
MSVOA_X
ClientSampled :

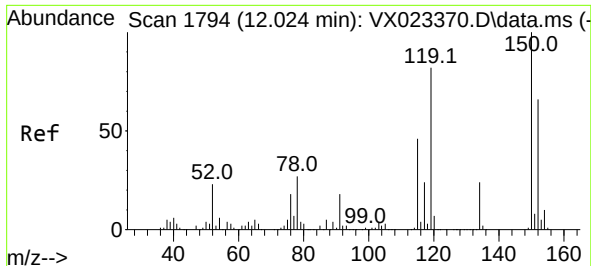
Tgt Ion:117 Resp: 254596
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.5 26.6 39.8



#64
Tetrachloroethene
Concen: 0.24 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

Tgt Ion:164 Resp: 480
Ion Ratio Lower Upper
164 100
166 109.6 103.4 155.2
129 97.6 70.8 106.2
131 97.0 72.5 108.7

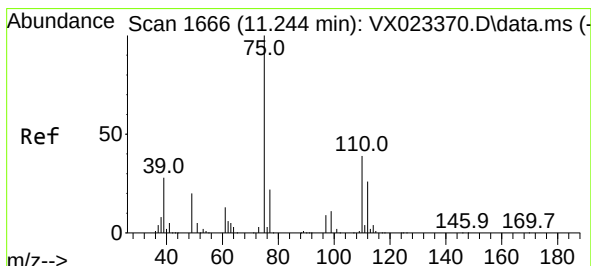
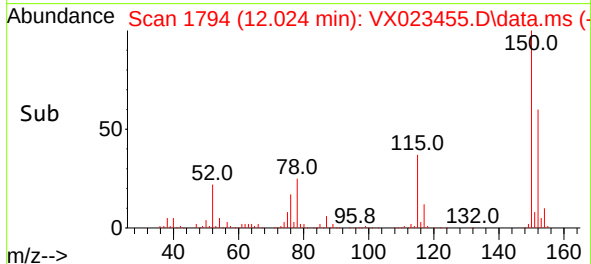
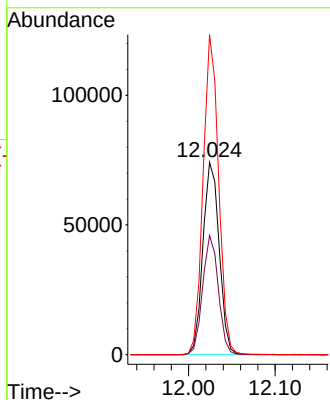
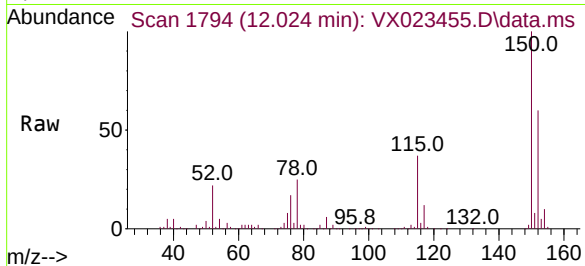




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

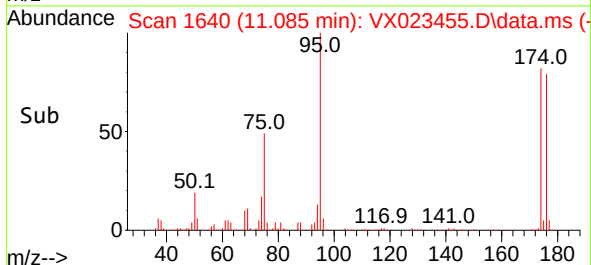
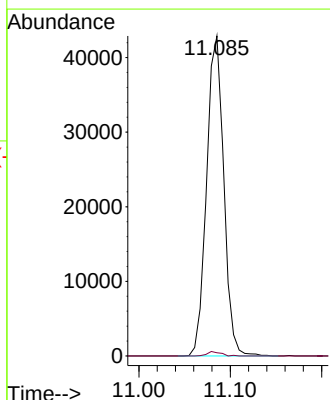
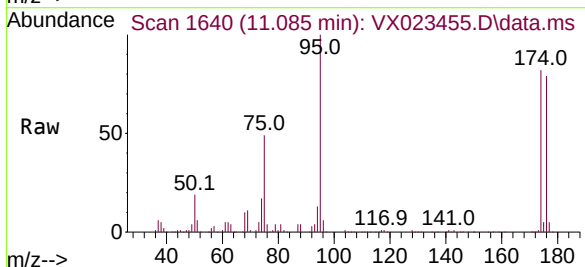
Instrument :
MSVOA_X
ClientSampled :

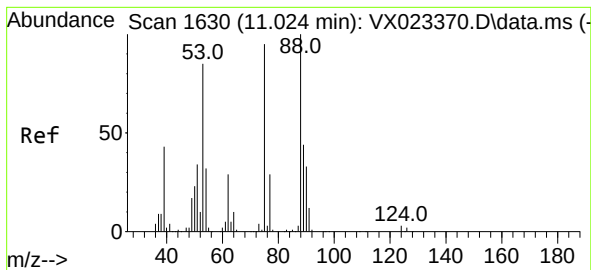
Tgt Ion:152 Resp: 96809
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 158.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.21 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023455.D
Acq: 26 Jul 2021 16:48

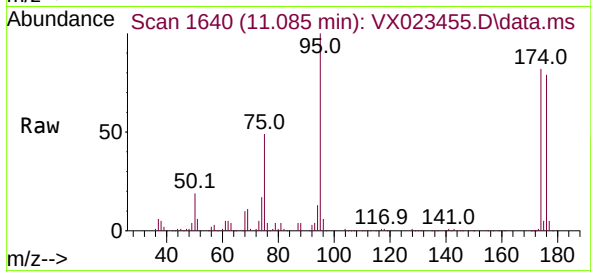
Tgt Ion: 75 Resp: 55842
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.48 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023455.D
 Acq: 26 Jul 2021 16:48

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 55842
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

