

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023445.D
 Acq On : 26 Jul 2021 12:52
 Operator : JC/MD
 Sample : M3145-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:26:55 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)

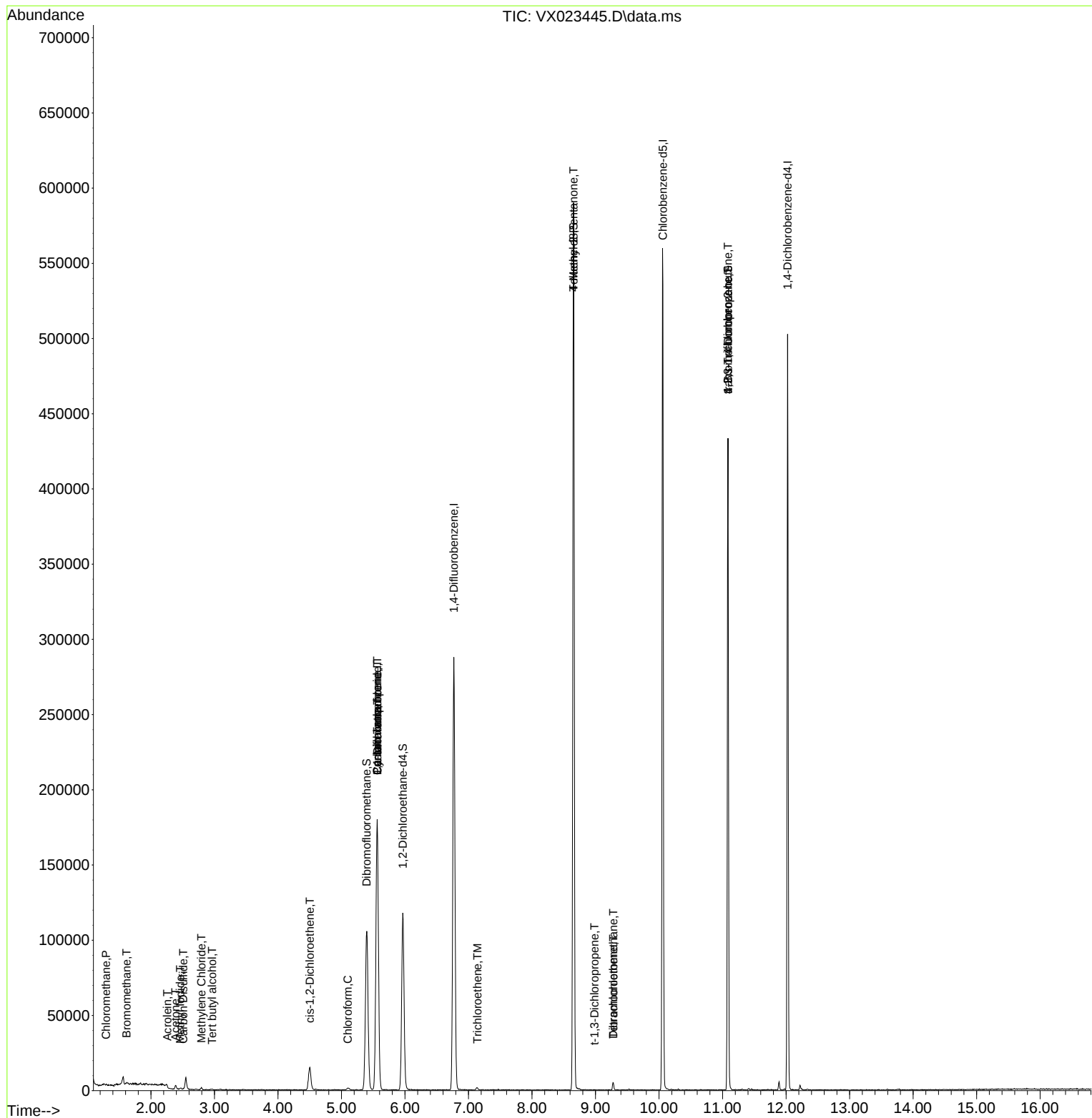
Internal Standards						
1) Pentafluorobenzene	5.562	168	170593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	290056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	253278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112923	53.07	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.14%			
35) Dibromofluoromethane	5.397	113	91099	50.23	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.46%			
50) Toluene-d8	8.653	98	348398	52.29	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.58%			
62) 4-Bromofluorobenzene	11.085	95	110230	48.65	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.30%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	633	0.35	ug/l #	79
5) Bromomethane	1.617	94	753	0.69	ug/l	94
10) Methyl Iodide	2.459	142	1082	0.51	ug/l #	93
11) Tert butyl alcohol	2.965	59	243	0.50	ug/l #	73
13) Acrolein	2.258	56	217	2.24	ug/l #	19
16) Acetone	2.386	43	2914	2.79	ug/l	89
17) Carbon Disulfide	2.507	76	833	0.20	ug/l #	93
20) Methylene Chloride	2.794	84	620	0.31	ug/l #	72
27) cis-1,2-Dichloroethene	4.501	96	9176	4.44	ug/l	90
30) Chloroform	5.098	83	1601	0.47	ug/l	93
31) Cyclohexane	5.562	56	3602	1.14	ug/l #	17
36) 1,1-Dichloropropene	5.562	75	12921	4.92	ug/l #	50
38) Carbon Tetrachloride	5.562	117	16924	6.34	ug/l #	17
44) Trichloroethene	7.141	130	637	0.30	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	1533	0.49	ug/l #	1
53) t-1,3-Dichloropropene	8.982	75	80	1.84	ug/l #	44
60) Dibromochloromethane	9.281	129	912	2.39	ug/l #	11
64) Tetrachloroethene	9.281	164	909	0.45	ug/l #	79
76) 1,2,3-Trichloropropane	11.085	75	55315	25.24	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55315	67.87	ug/l #	12

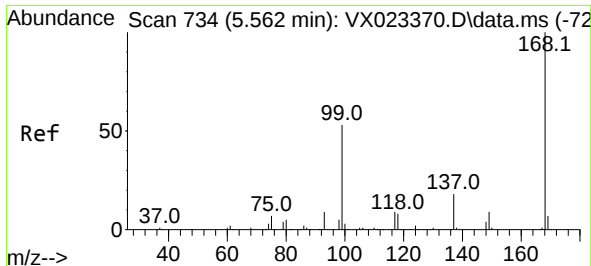
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 03:26:55 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

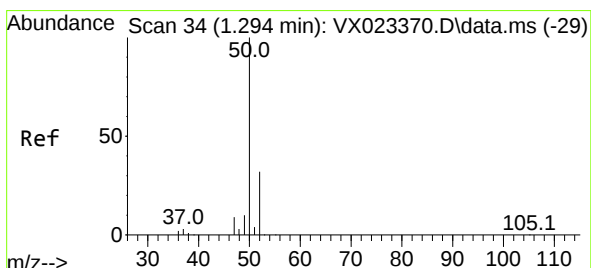
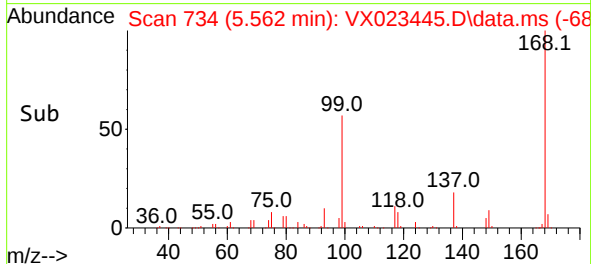
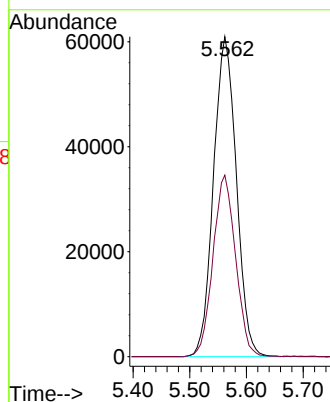
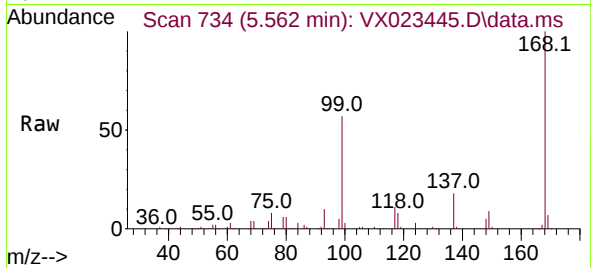




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

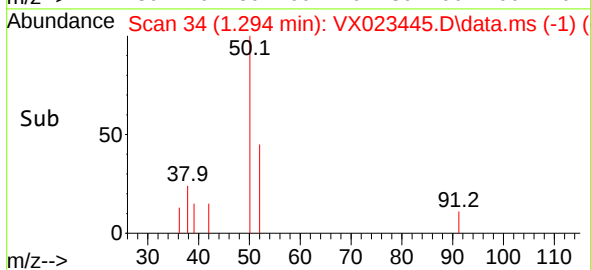
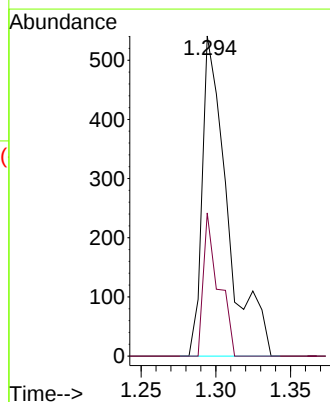
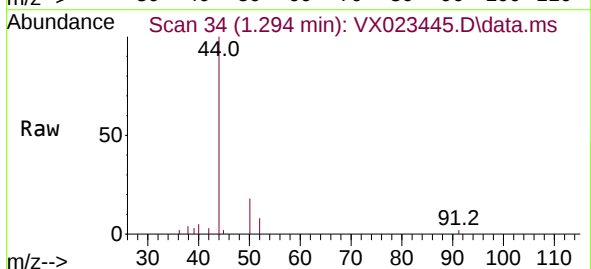
Instrument :
MSVOA_X
ClientSampleId :

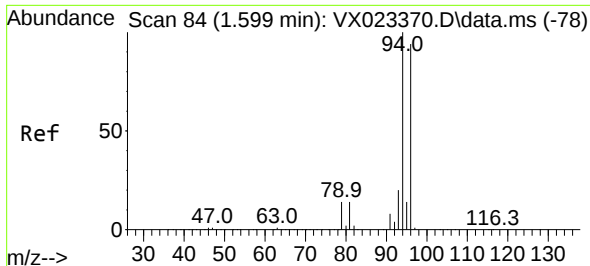
Tgt Ion:168 Resp: 170593
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#3
Chloromethane
Concen: 0.35 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion: 50 Resp: 633
Ion Ratio Lower Upper
50 100
52 44.7 26.4 39.6#

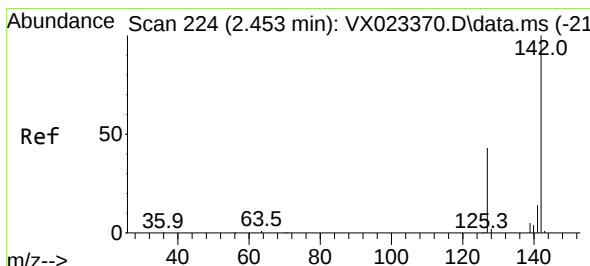
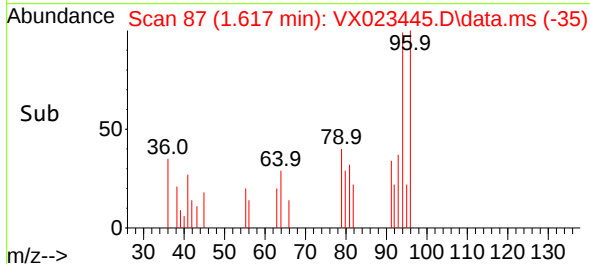
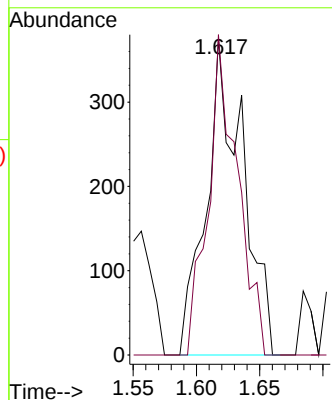
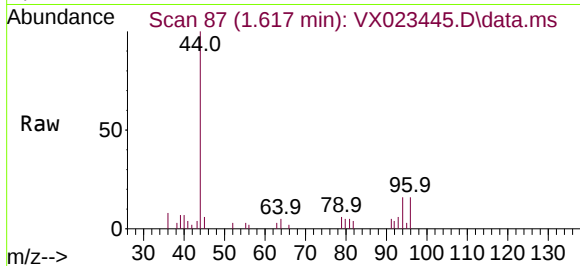




#5
Bromomethane
Concen: 0.69 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

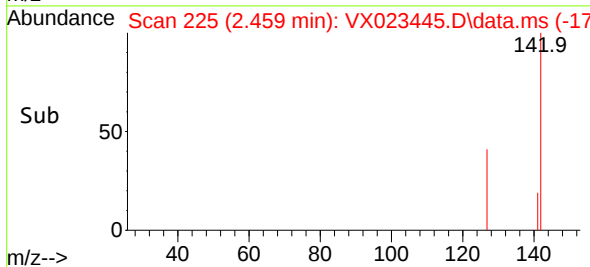
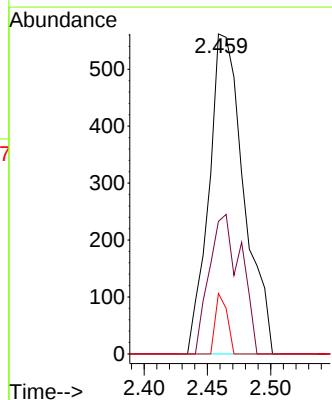
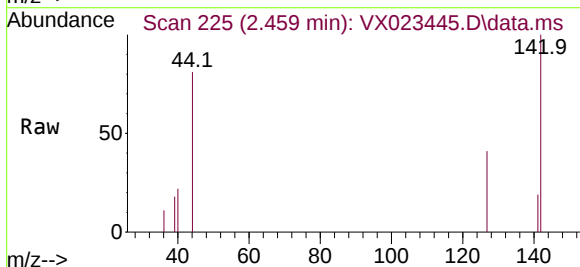
Instrument :
MSVOA_X
ClientSampleId :

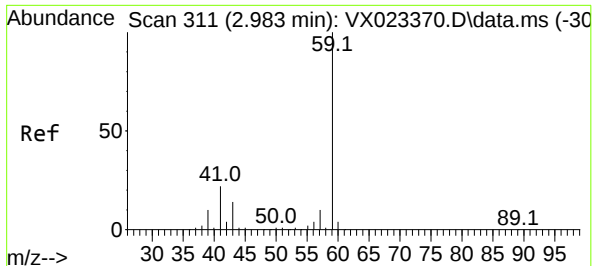
Tgt Ion: 94 Resp: 753
Ion Ratio Lower Upper
94 100
96 101.3 76.4 114.6



#10
Methyl Iodide
Concen: 0.51 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion: 142 Resp: 1082
Ion Ratio Lower Upper
142 100
127 39.5 33.3 49.9
141 6.3 11.4 17.0#



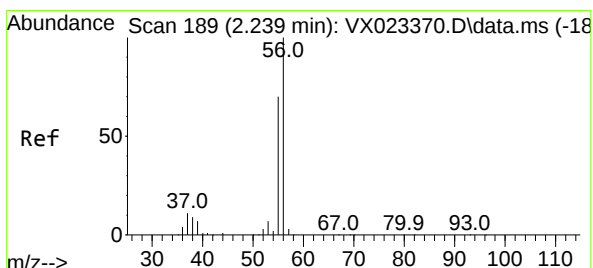
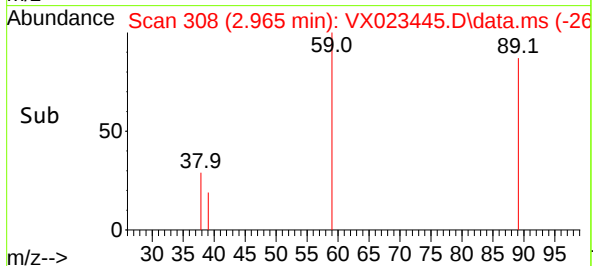
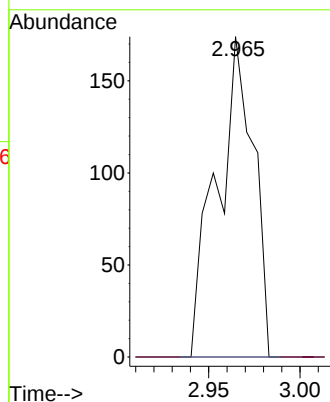
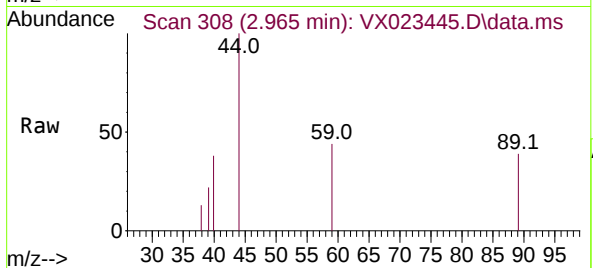


#11

Tert butyl alcohol
Concen: 0.50 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Instrument :
MSVOA_X
ClientSampled :

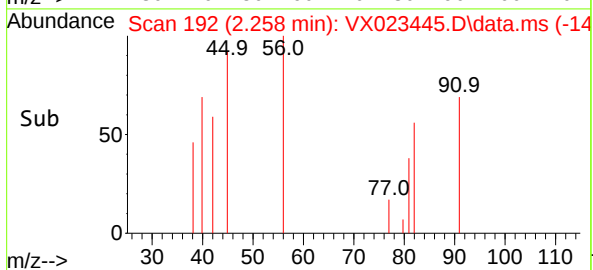
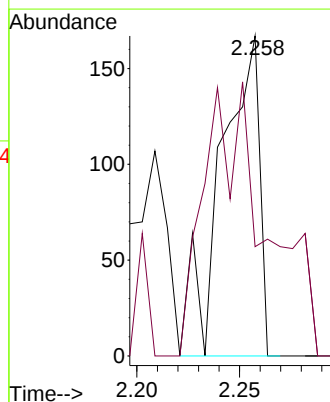
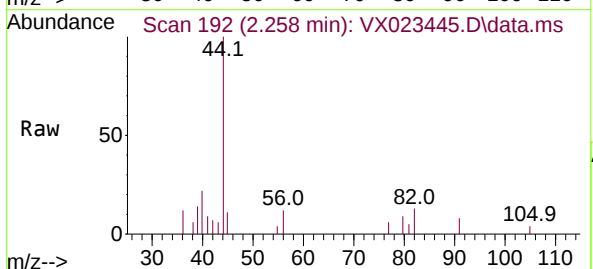
Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

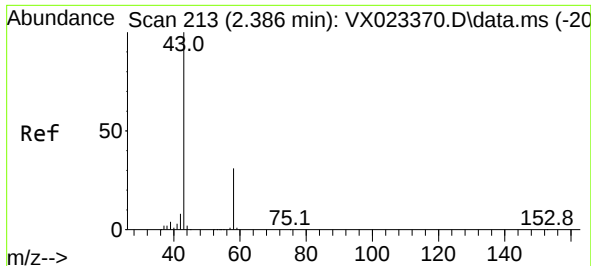


#13

Acrolein
Concen: 2.24 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 136.9 56.4 84.6#

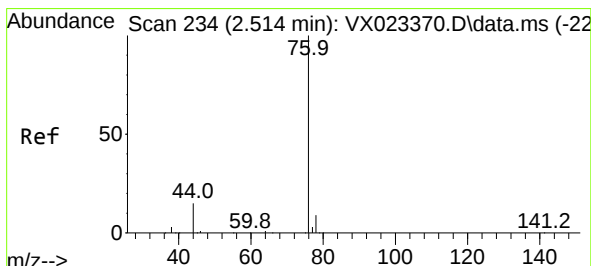
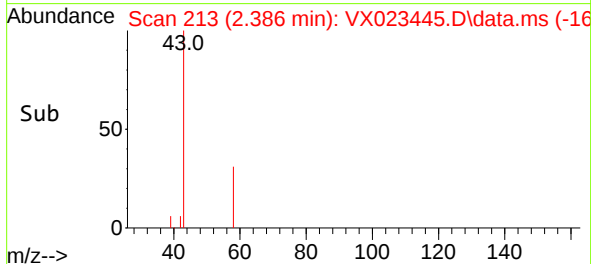
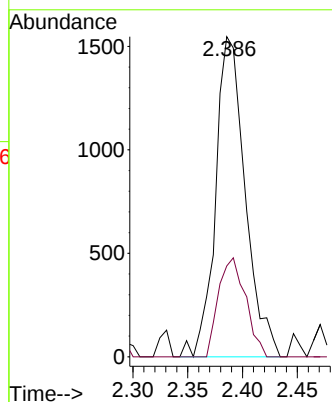
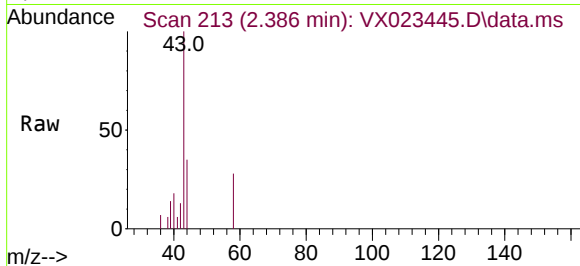




#16
Acetone
Concen: 2.79 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

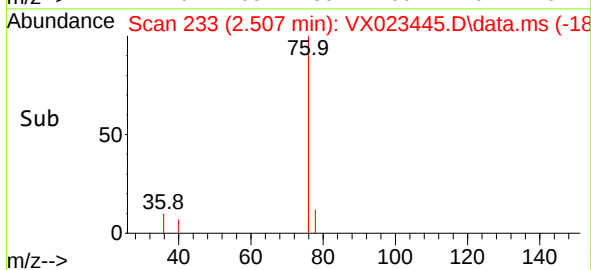
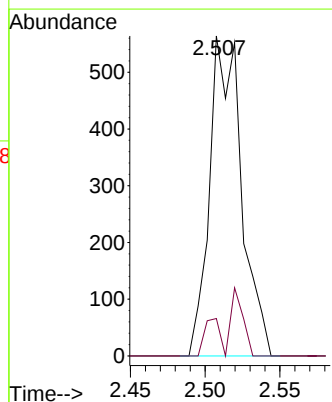
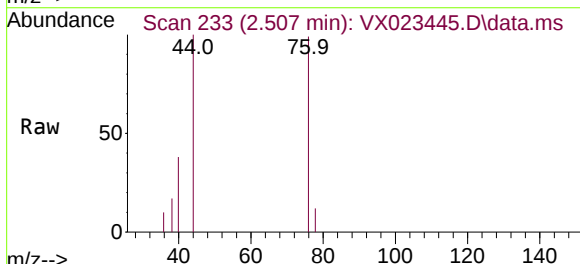
Instrument :
MSVOA_X
ClientSampled :

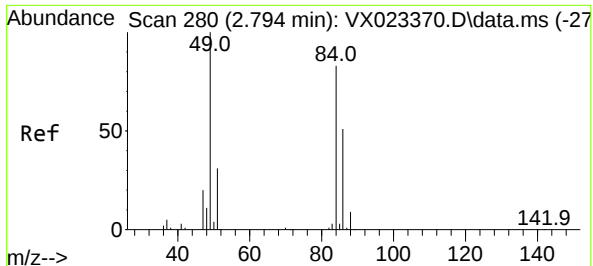
Tgt Ion: 43 Resp: 2914
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.007 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

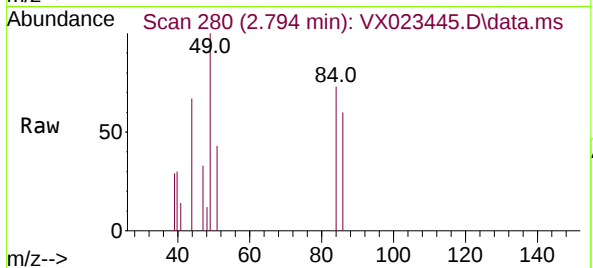
Tgt Ion: 76 Resp: 833
Ion Ratio Lower Upper
76 100
78 11.7 7.2 10.8#



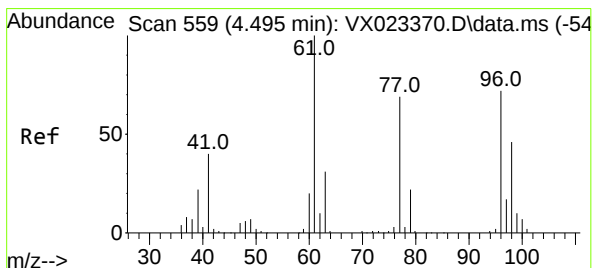
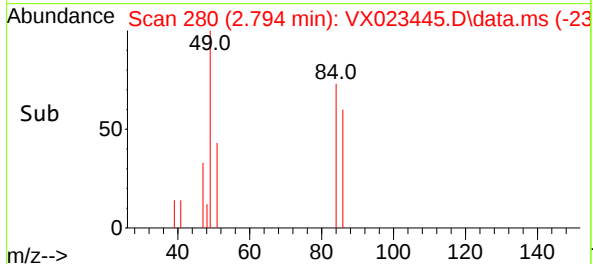
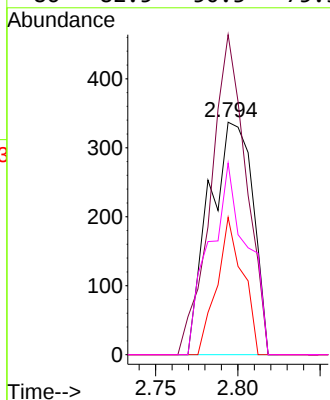


#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Instrument :
MSVOA_X
ClientSampled :

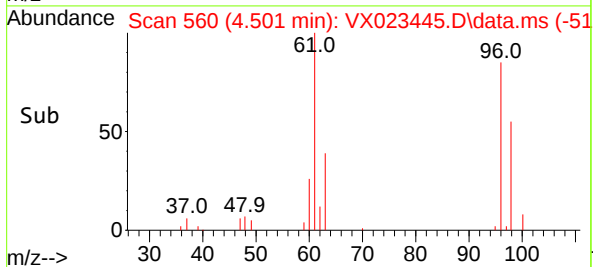
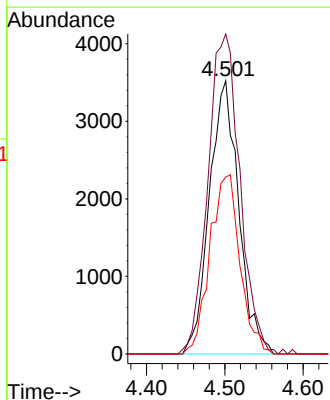
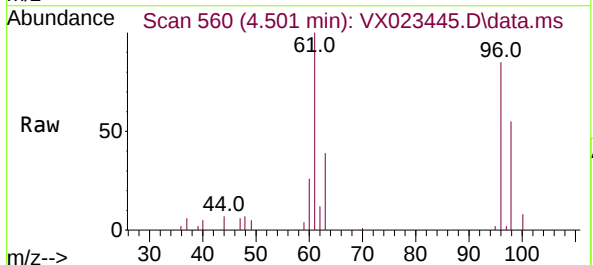


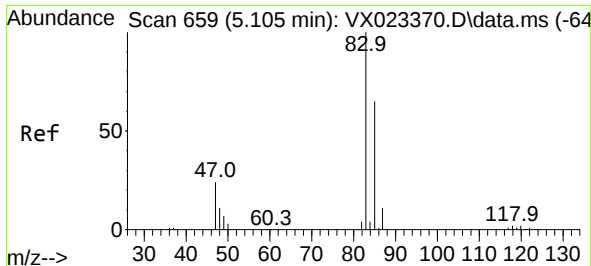
Tgt Ion:	84	Resp:	620
Ion	Ratio	Lower	Upper
84	100		
49	137.7	88.6	132.8#
51	59.1	27.0	40.6#
86	82.5	50.3	75.5#



#27
cis-1,2-Dichloroethene
Concen: 4.44 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion:	96	Resp:	9176
Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	285.6
98	67.3	0.0	129.6





#30

Chloroform

Concen: 0.47 ug/l

RT: 5.098 min Scan# 658

Delta R.T. -0.007 min

Lab File: VX023445.D

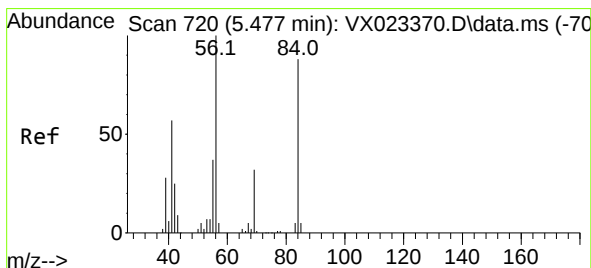
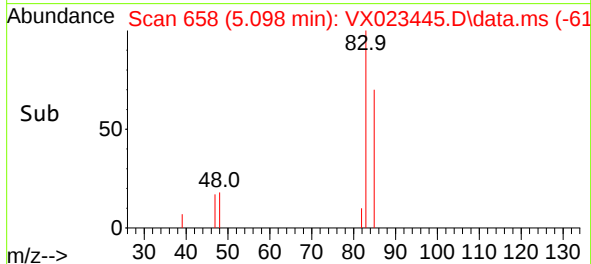
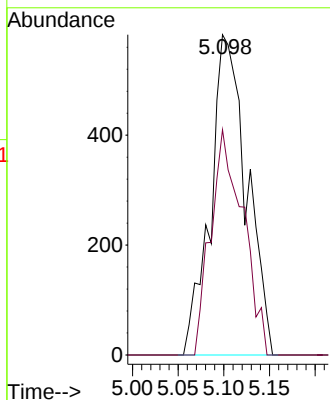
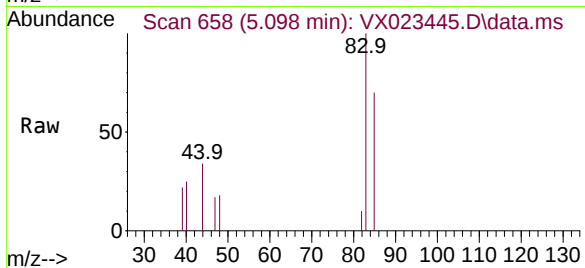
Acq: 26 Jul 2021 12:52

Tgt Ion: 83 Resp: 1601

Ion Ratio Lower Upper

83 100

85 70.3 52.0 78.0



#31

Cyclohexane

Concen: 1.14 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023445.D

Acq: 26 Jul 2021 12:52

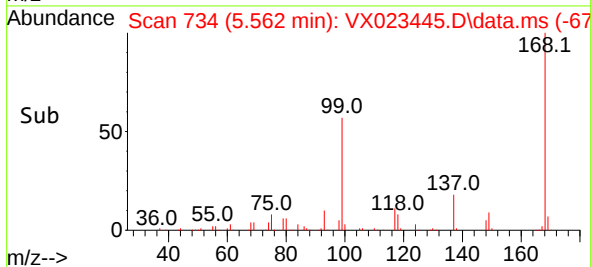
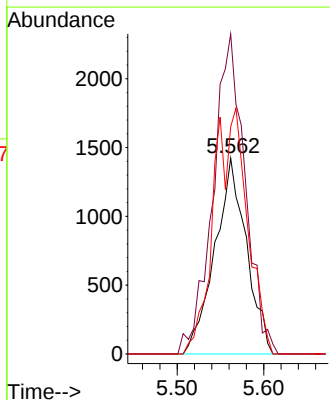
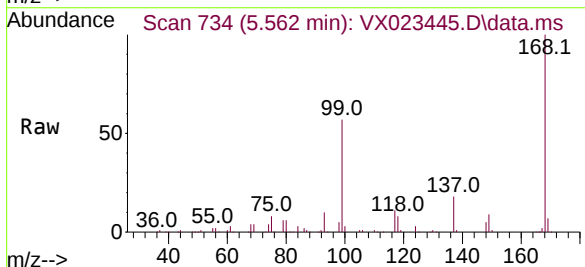
Tgt Ion: 56 Resp: 3602

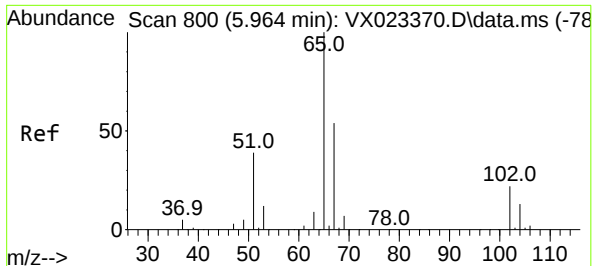
Ion Ratio Lower Upper

56 100

69 163.5 25.3 37.9#

84 116.0 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.07 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023445.D

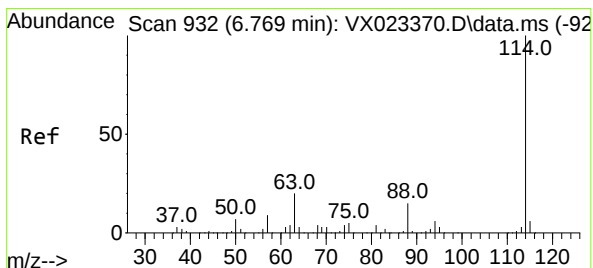
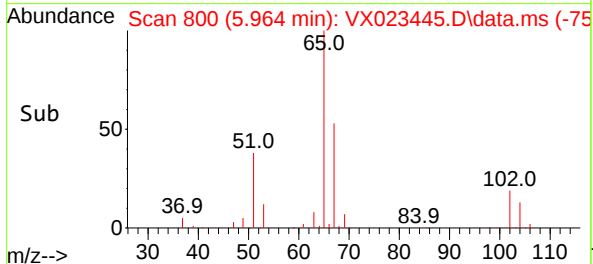
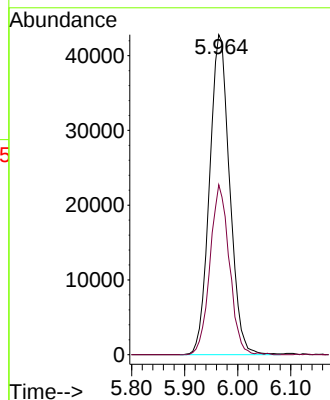
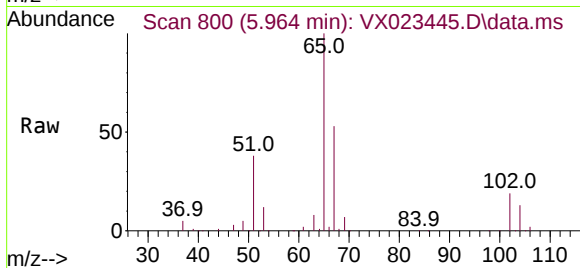
Acq: 26 Jul 2021 12:52

Tgt Ion: 65 Resp: 112923

Ion Ratio Lower Upper

65 100

67 51.0 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: VX023445.D

Acq: 26 Jul 2021 12:52

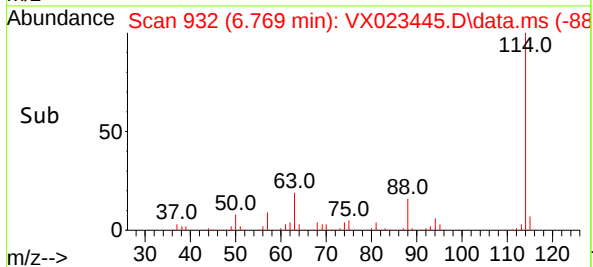
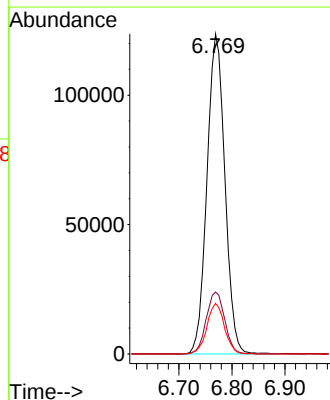
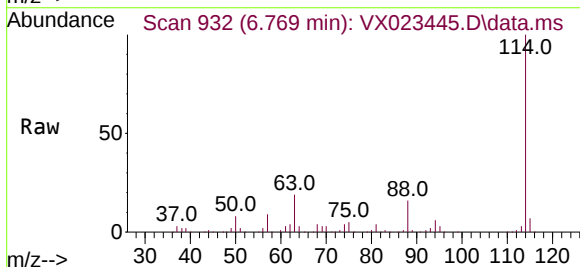
Tgt Ion: 114 Resp: 290056

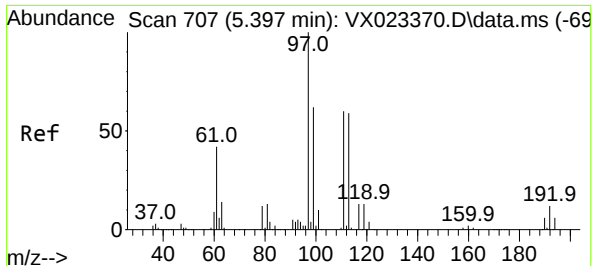
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

88 15.8 0.0 32.8

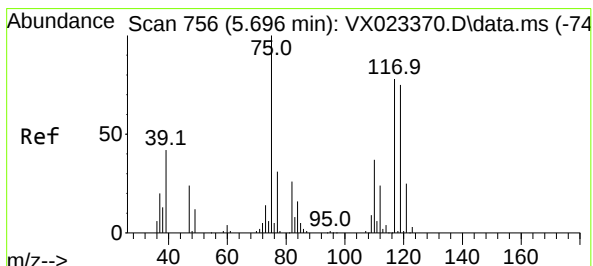
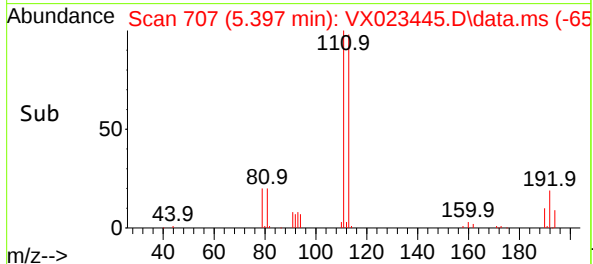
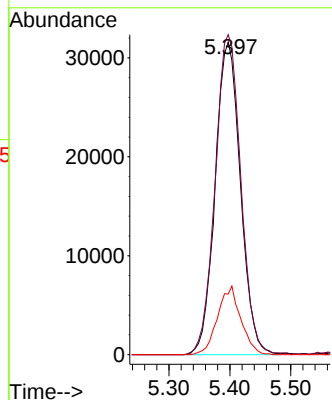
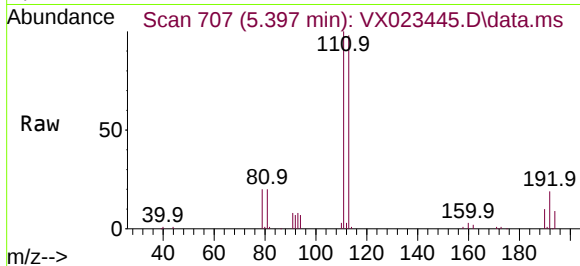




#35
Dibromofluoromethane
Concen: 50.23 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

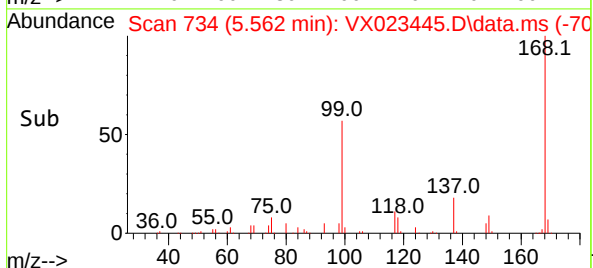
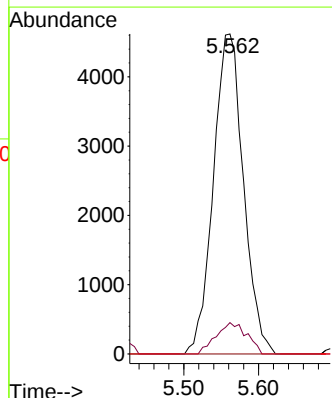
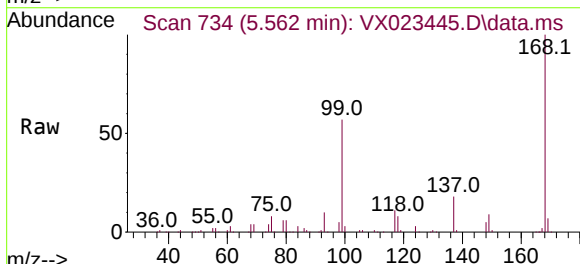
Instrument :
MSVOA_X
ClientSampleId :

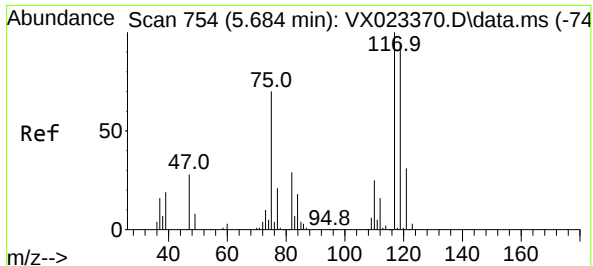
Tgt Ion:113 Resp: 91099
Ion Ratio Lower Upper
113 100
111 104.0 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

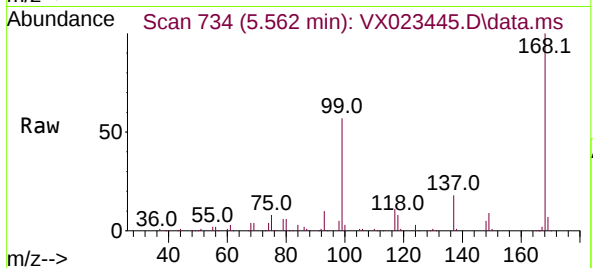
Tgt Ion: 75 Resp: 12921
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



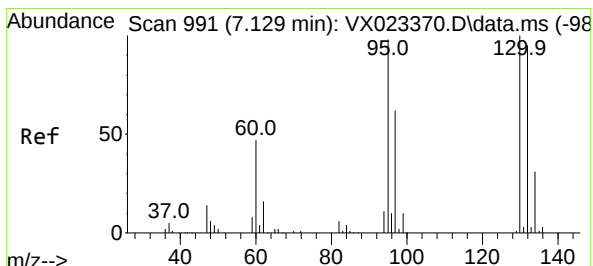
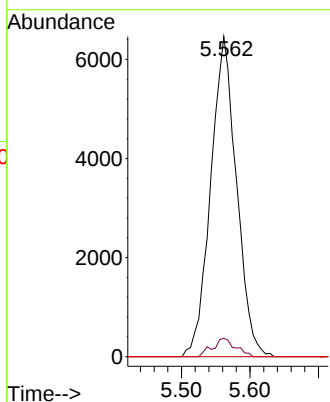
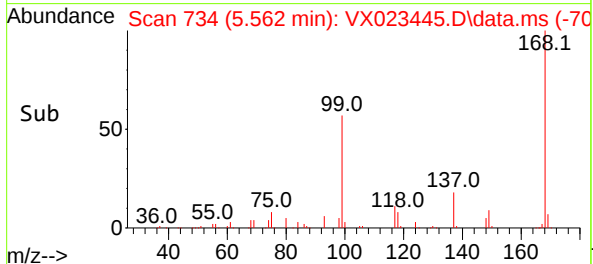


#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

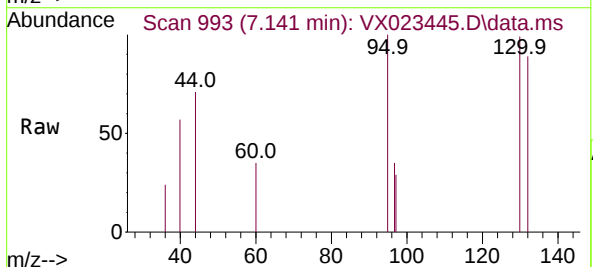
Instrument :
MSVOA_X
ClientSampleId :



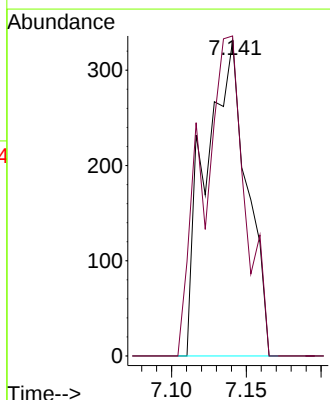
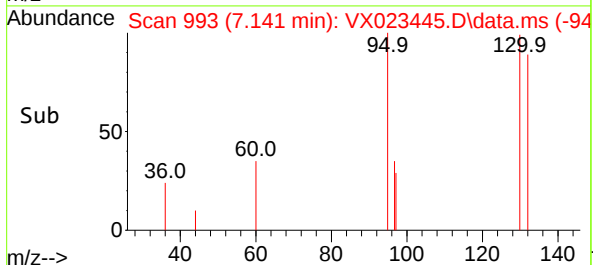
Tgt Ion:117 Resp: 16924
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.8 37.2#

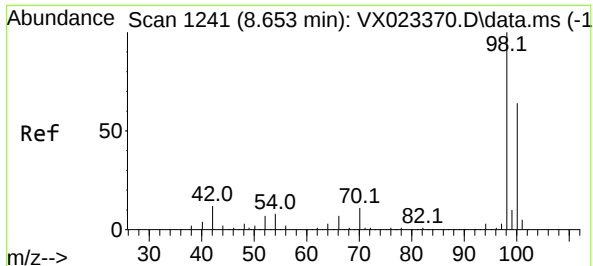


#44
Trichloroethene
Concen: 0.30 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52



Tgt Ion:130 Resp: 637
Ion Ratio Lower Upper
130 100
95 101.5 0.0 198.0

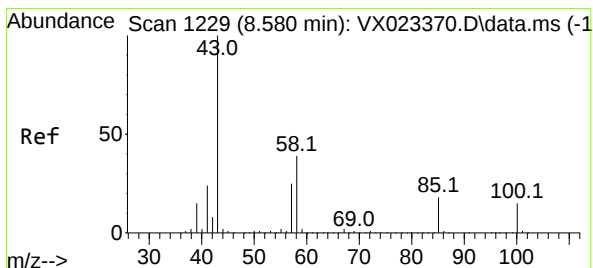
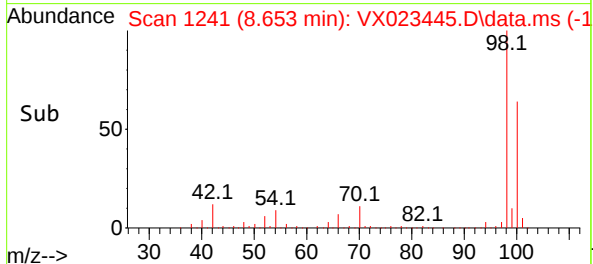
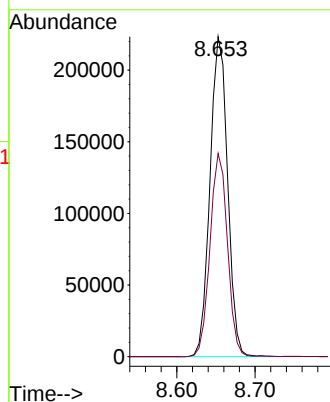
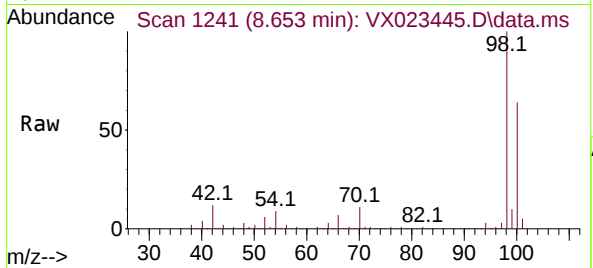




#50
Toluene-d8
Concen: 52.29 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

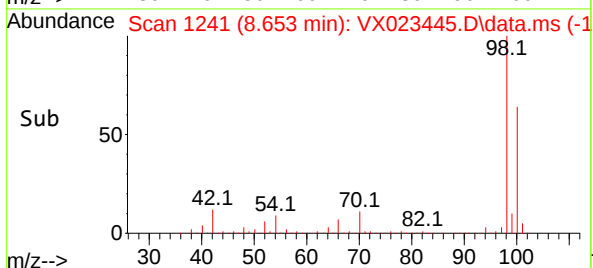
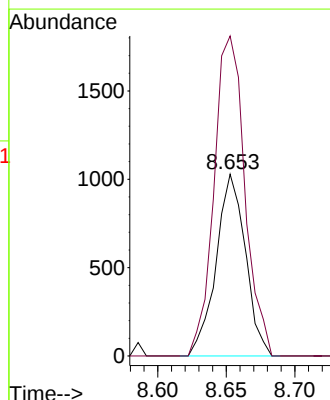
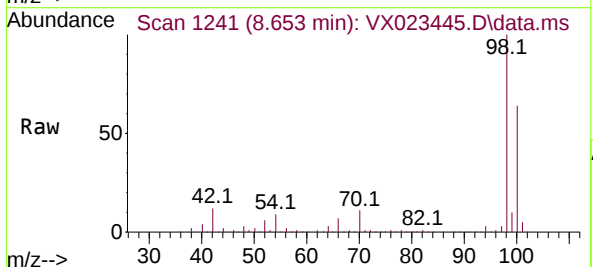
Instrument :
MSVOA_X
ClientSampled :

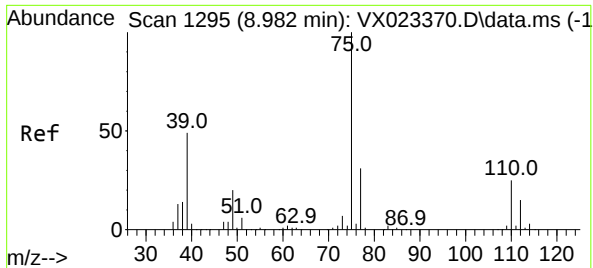
Tgt Ion: 98 Resp: 348398
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
58 184.7 35.4 53.0#

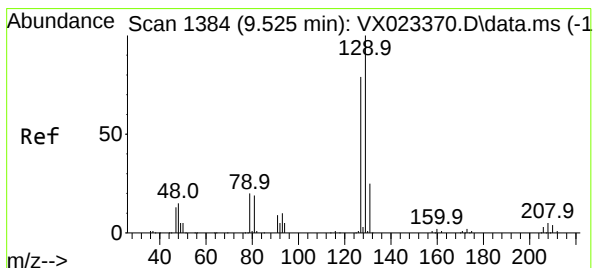
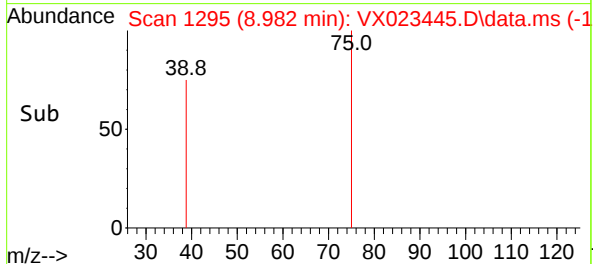
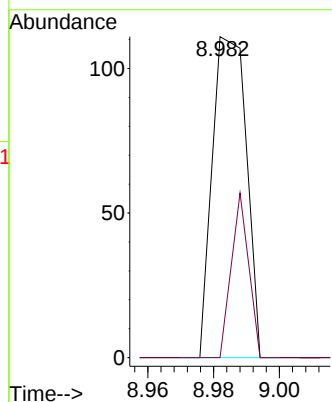
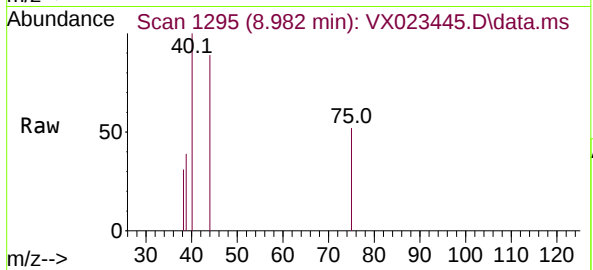




#53
t-1,3-Dichloropropene
Concen: 1.84 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

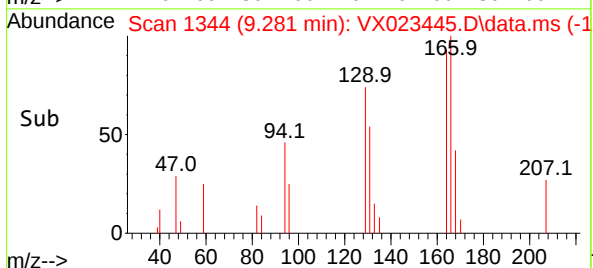
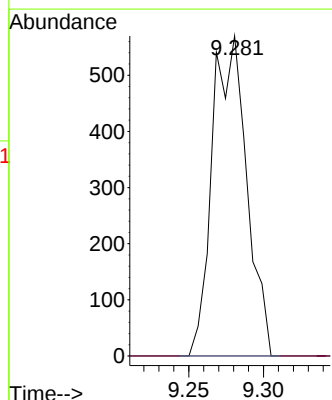
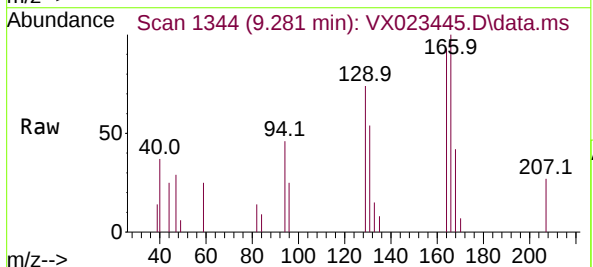
Instrument :
MSVOA_X
ClientSampled :

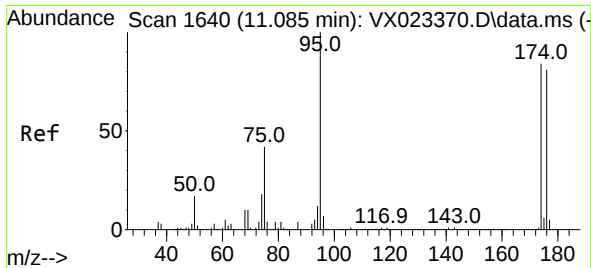
Tgt Ion: 75 Resp: 80
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 2.39 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion: 129 Resp: 912
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

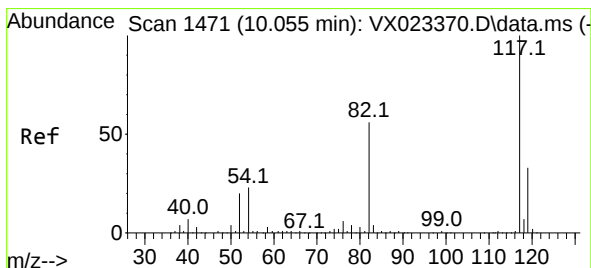
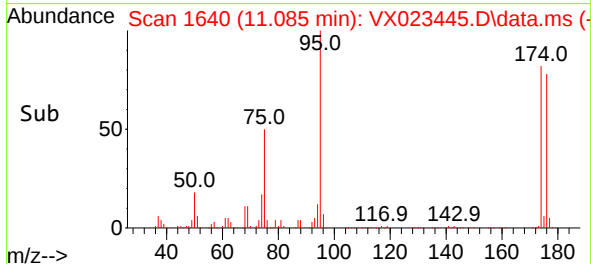
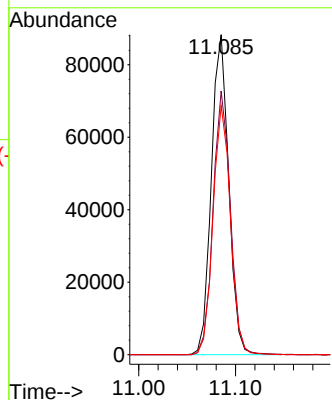
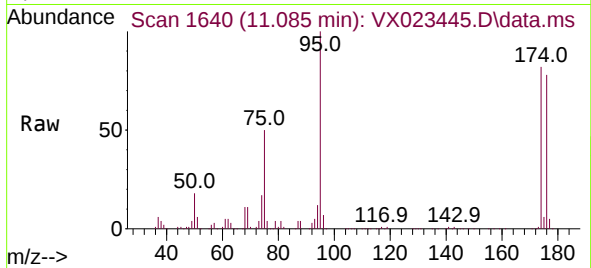




#62
4-Bromofluorobenzene
Concen: 48.65 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

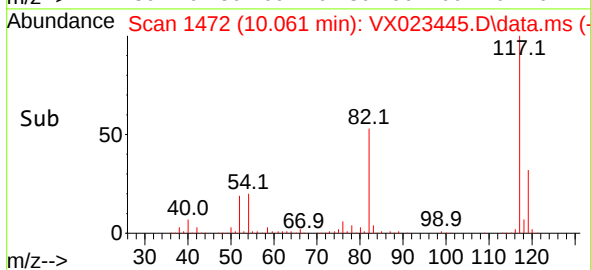
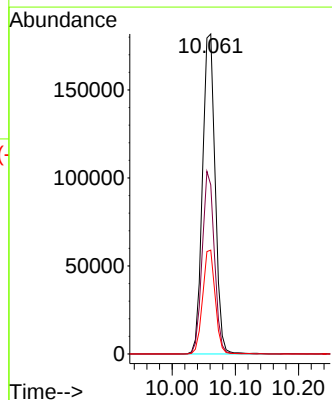
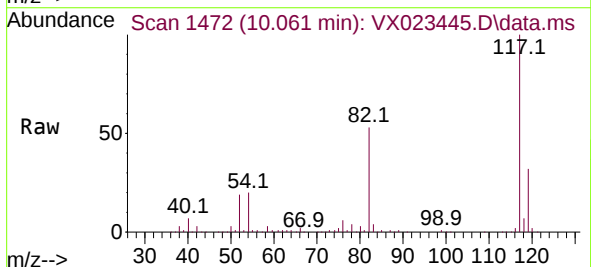
Instrument :
MSVOA_X
ClientSampleId :

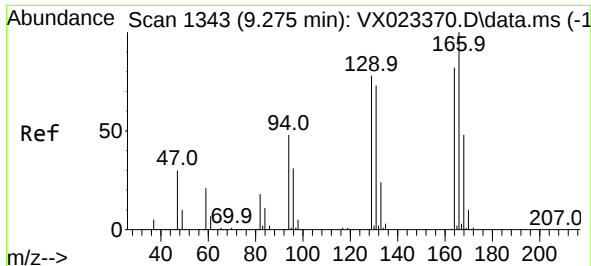
Tgt Ion: 95 Resp: 110230
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 77.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

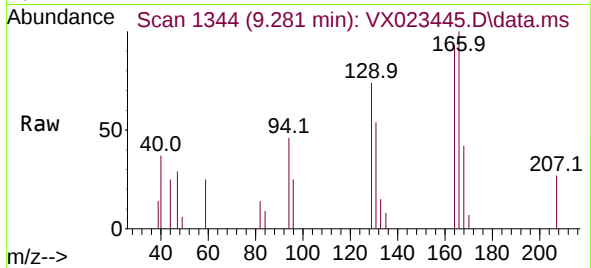
Tgt Ion: 117 Resp: 253278
Ion Ratio Lower Upper
117 100
82 52.8 47.4 71.2
119 32.5 26.6 39.8



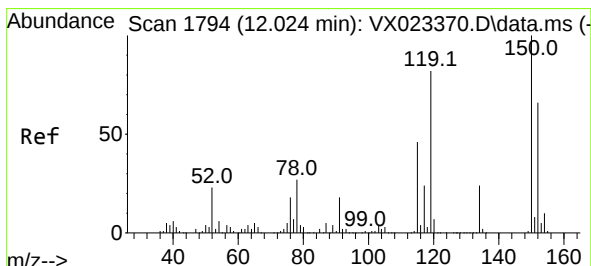
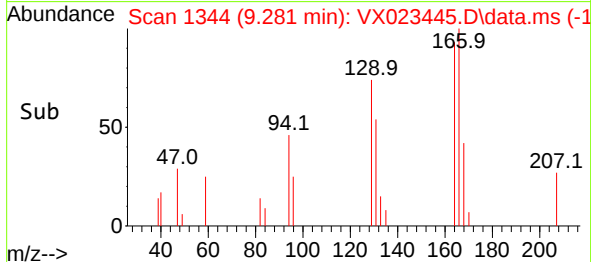
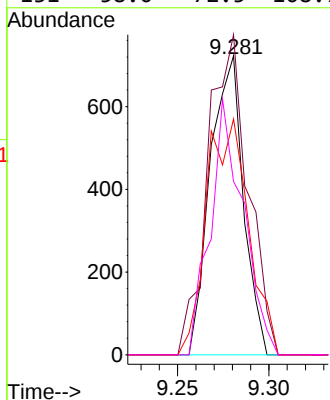


#64
Tetrachloroethene
Concen: 0.45 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Instrument :
MSVOA_X
ClientSampled :

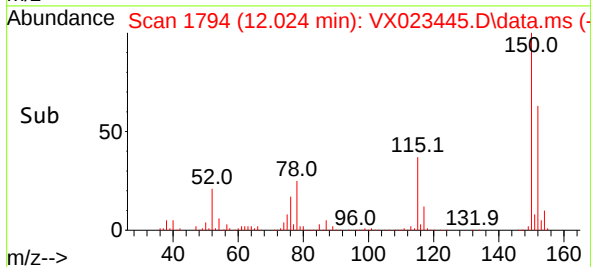
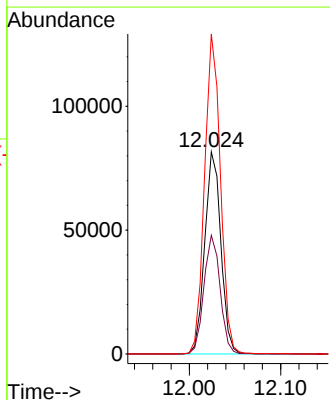
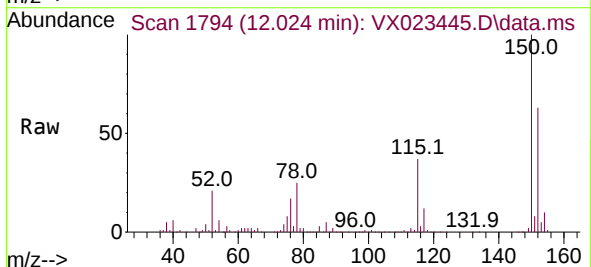


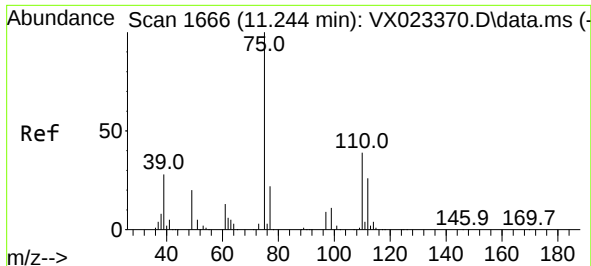
Tgt Ion:164 Resp: 909
Ion Ratio Lower Upper
164 100
166 107.1 103.4 155.2
129 78.8 70.8 106.2
131 58.0 72.5 108.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion:152 Resp: 99593
Ion Ratio Lower Upper
152 100
115 59.0 41.1 123.3
150 156.1 0.0 349.0

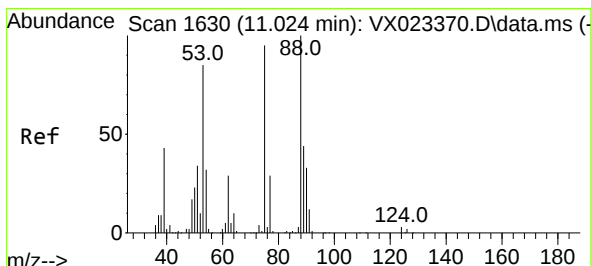
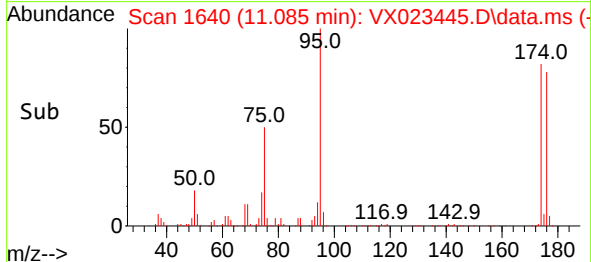
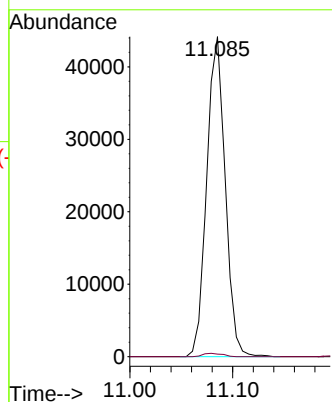
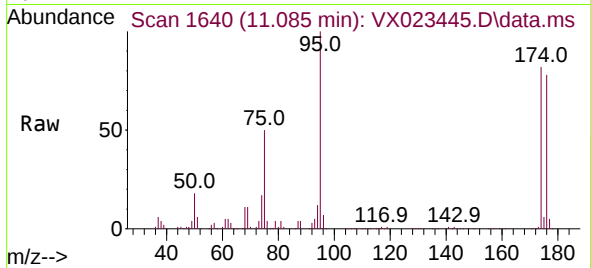




#76
1,2,3-Trichloropropane
Concen: 25.24 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 55315
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.87 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023445.D
Acq: 26 Jul 2021 12:52

Tgt Ion: 75 Resp: 55315
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

