

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024539.D
 Acq On : 04 Oct 2021 23:48
 Operator : JC/MD
 Sample : VX1004WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL02

Quant Time: Oct 05 03:24:17 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)

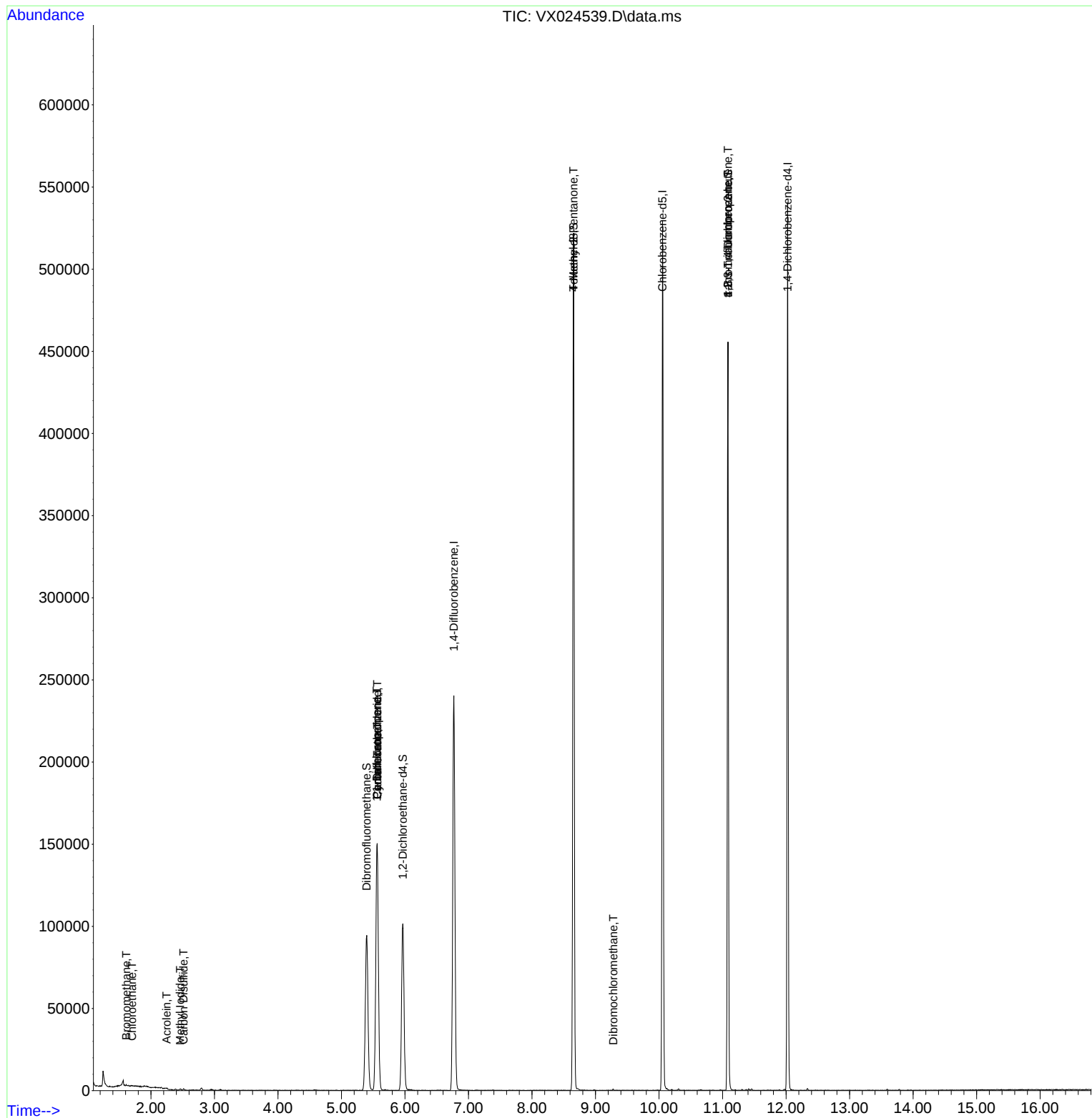
Internal Standards						
1) Pentafluorobenzene	5.562	168	139987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239344	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104038	52.732	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.460%			
35) Dibromofluoromethane	5.397	113	80827	50.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	8.653	98	295531	50.500	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.000%			
62) 4-Bromofluorobenzene	11.085	95	112400	48.849	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.700%			
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	236	0.252	ug/l	90
6) Chloroethane	1.703	64	237	0.513	ug/l	96
10) Methyl Iodide	2.459	142	709	0.367	ug/l #	79
11) Tert butyl alcohol	2.940	59	161	Below Cal	#	73
13) Acrolein	2.245	56	25	10.283	ug/l #	14
16) Acetone	2.386	43	514	Below Cal	#	59
17) Carbon Disulfide	2.514	76	802	0.469	ug/l #	79
20) Methylene Chloride	2.782	84	621	Below Cal	#	61
31) Cyclohexane	5.562	56	3094	1.310	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	10795	4.705	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14718	5.893	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1247	0.434	ug/l #	1
60) Dibromochloromethane	9.281	129	65	1.219	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	60294	25.084	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60294	68.397	ug/l #	12

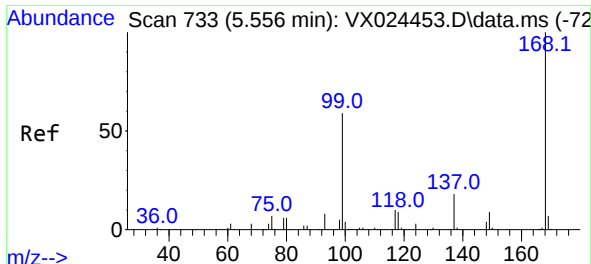
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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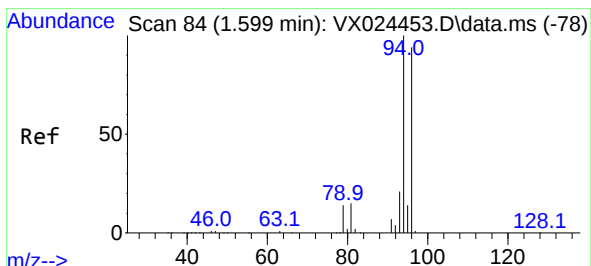
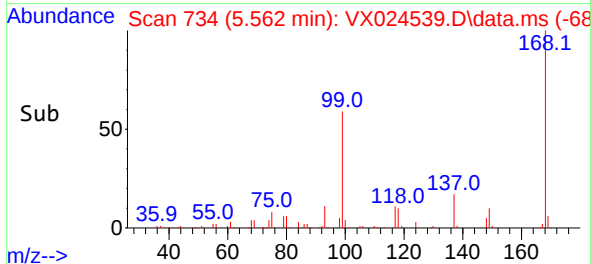
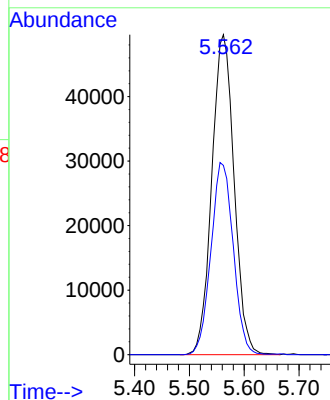
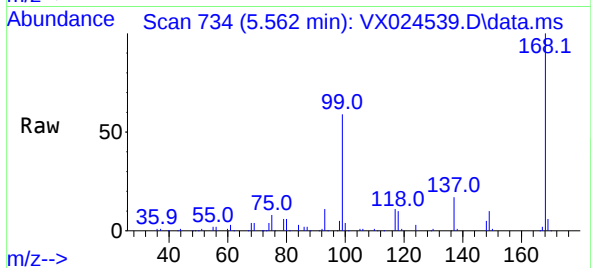




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

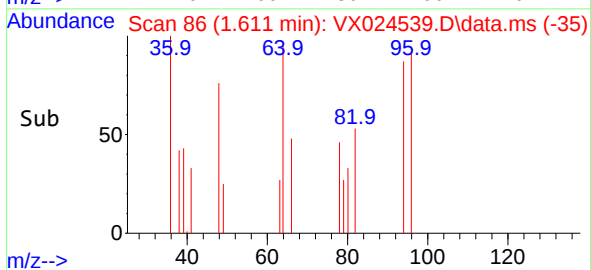
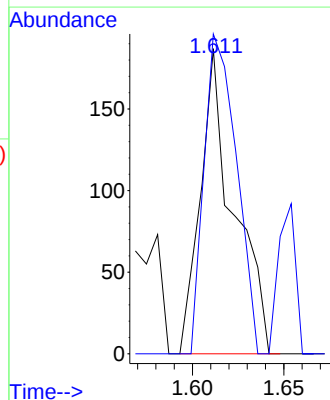
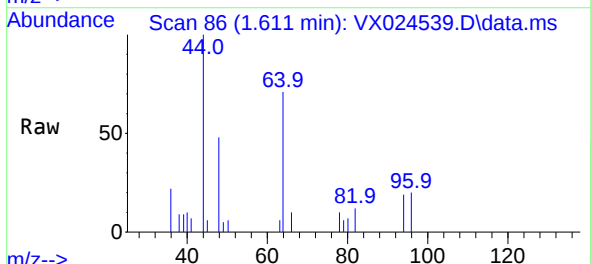
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

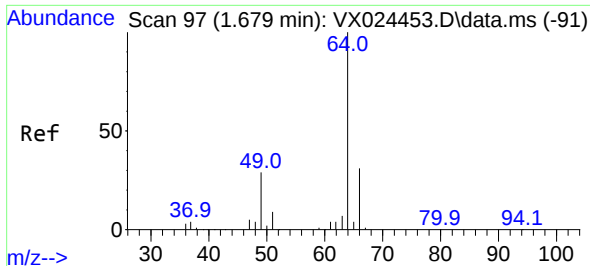
Tgt Ion:168 Resp: 139987
Ion Ratio Lower Upper
168 100
99 59.2 45.8 68.6



#5
Bromomethane
Concen: 0.252 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 94 Resp: 236
Ion Ratio Lower Upper
94 100
96 104.8 76.4 114.6

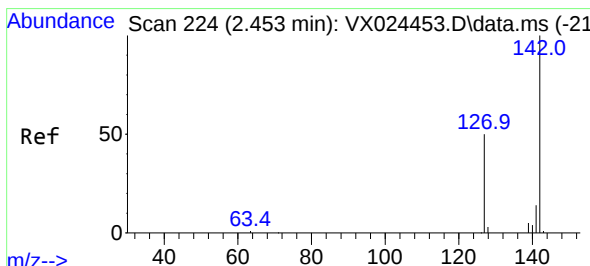
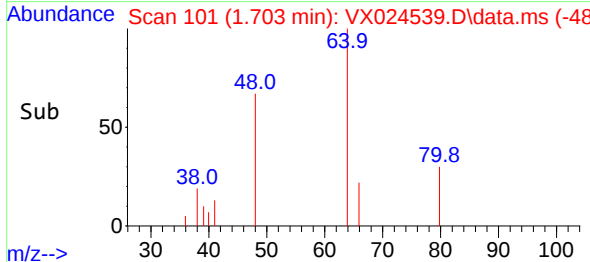
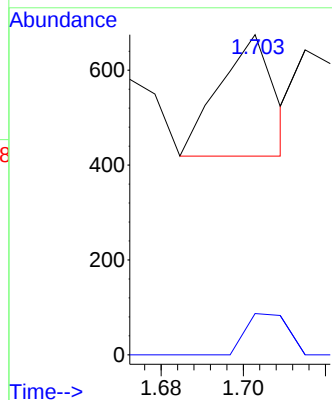
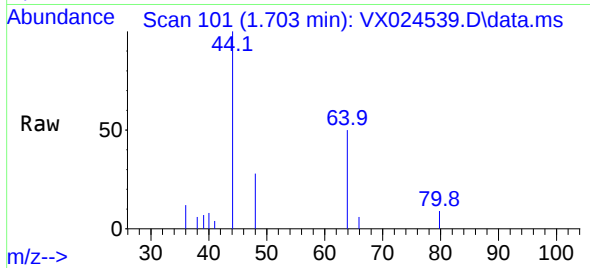




#6
Chloroethane
Concen: 0.513 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

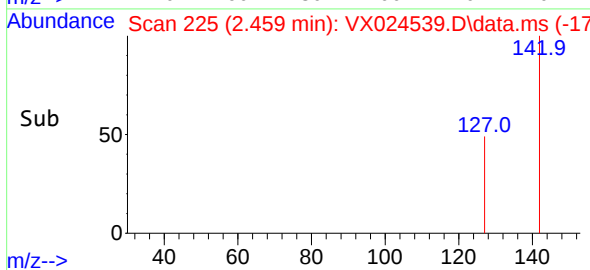
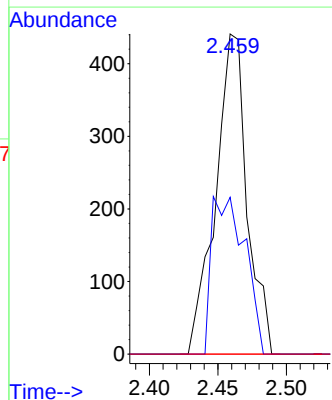
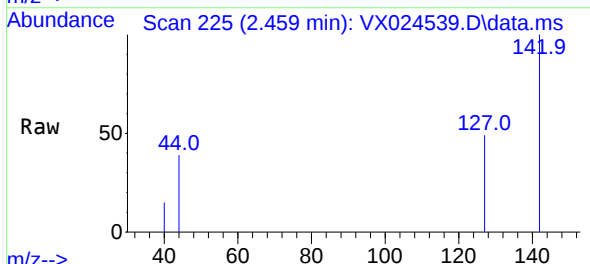
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

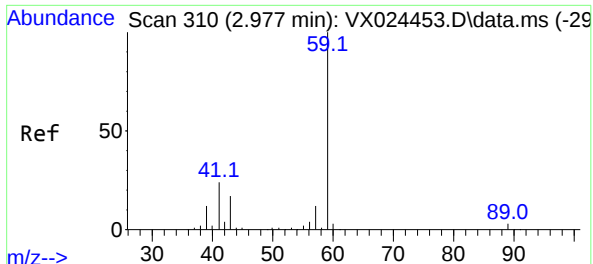
Tgt Ion: 64 Resp: 237
Ion Ratio Lower Upper
64 100
66 34.0 25.4 38.0



#10
Methyl Iodide
Concen: 0.367 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 142 Resp: 709
Ion Ratio Lower Upper
142 100
127 52.0 33.3 49.9#
141 0.0 11.4 17.0#



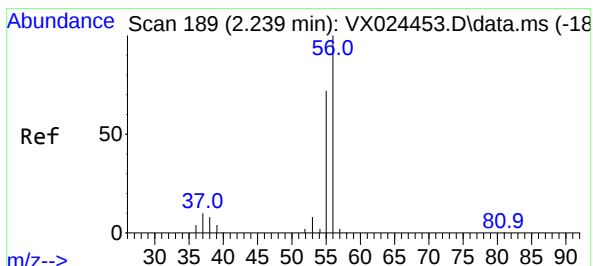
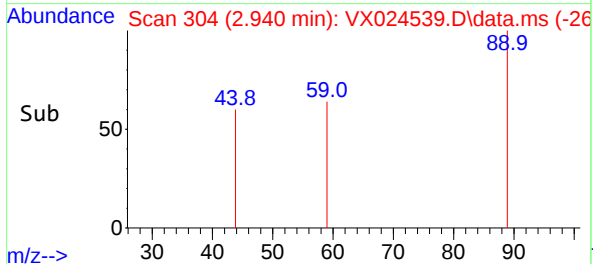
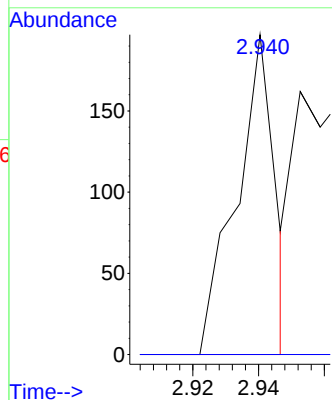
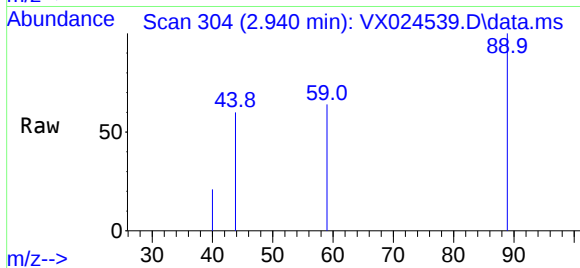


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

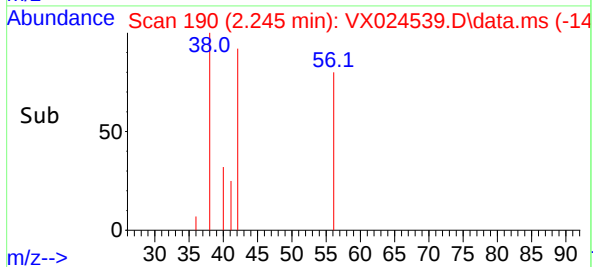
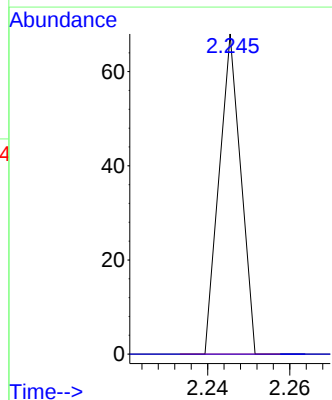
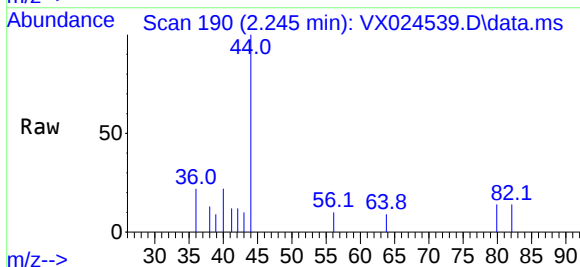
Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

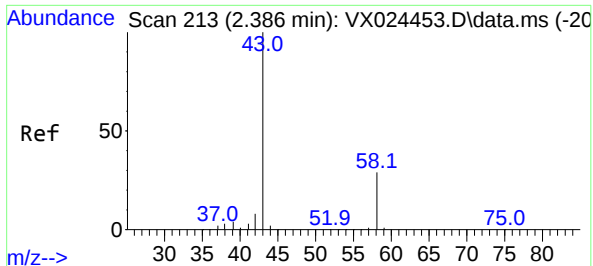


#13

Acrolein
Concen: 10.283 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

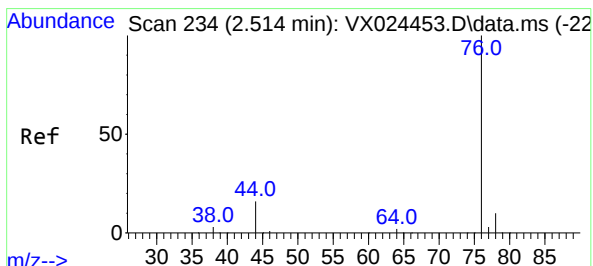
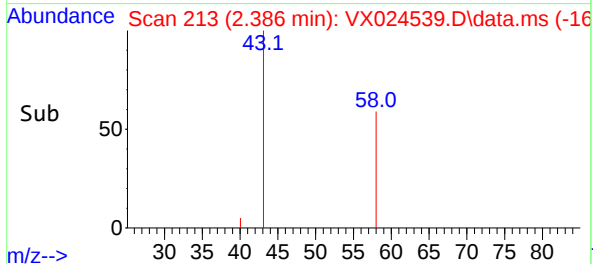
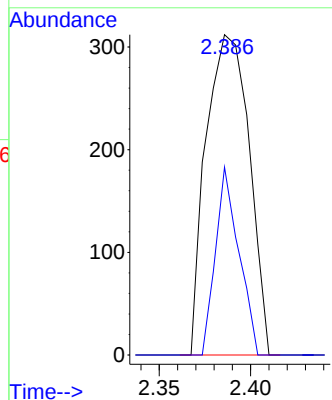
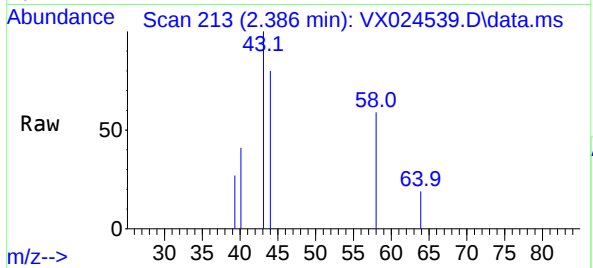




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

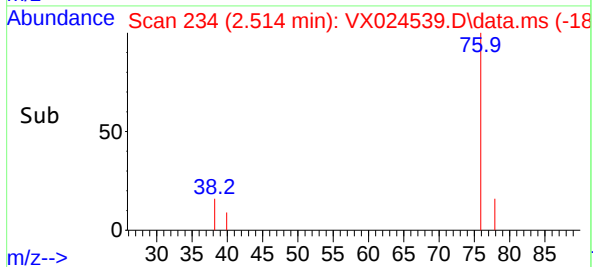
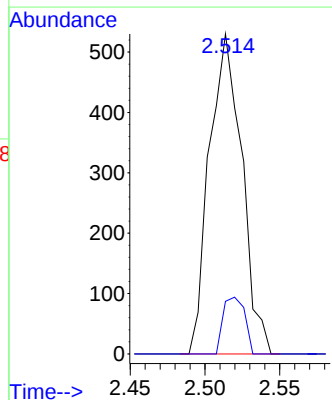
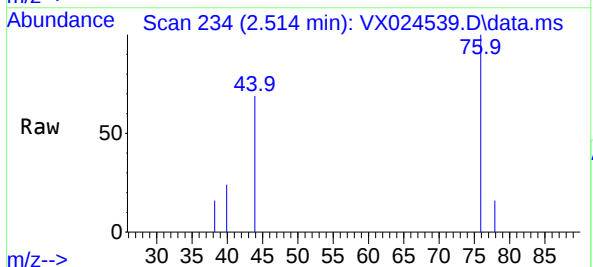
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

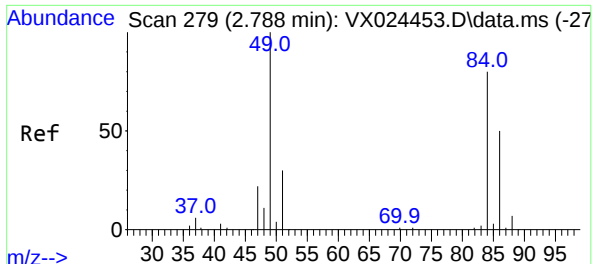
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
58 58.7 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.469 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 76 Resp: 802
Ion Ratio Lower Upper
76 100
78 16.4 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

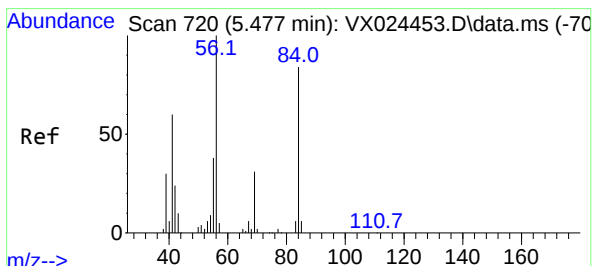
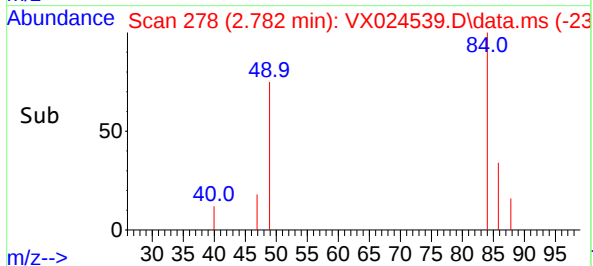
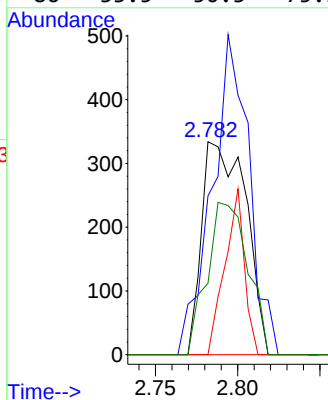
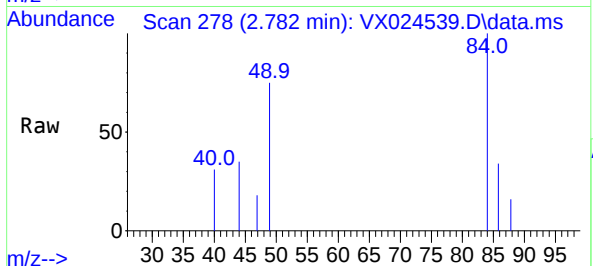
Lab File: VX024539.D

Acq: 04 Oct 2021 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

Tgt Ion: 84 Resp: 621

Ion	Ratio	Lower	Upper
84	100		
49	74.6	88.6	132.8#
51	0.0	27.0	40.6#
86	33.5	50.3	75.5#



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 5.562 min Scan# 734

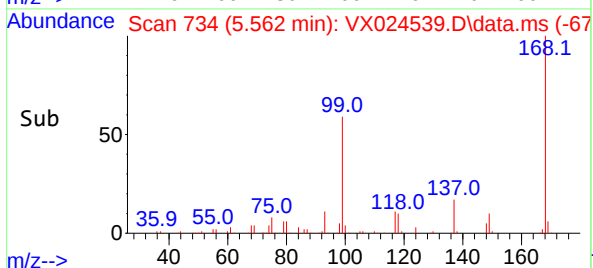
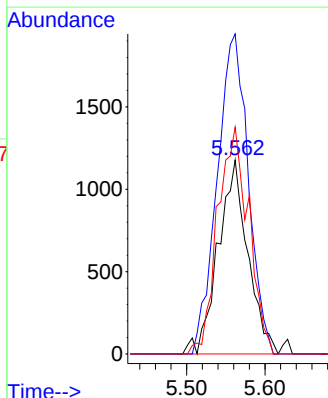
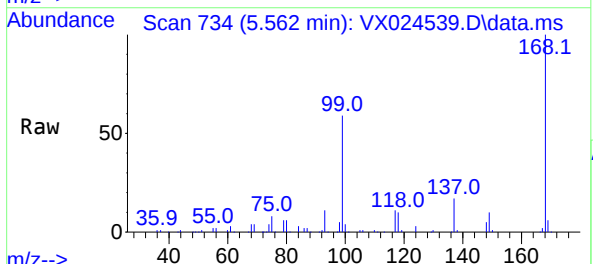
Delta R.T. 0.085 min

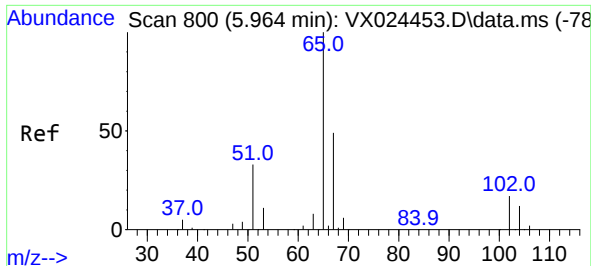
Lab File: VX024539.D

Acq: 04 Oct 2021 23:48

Tgt Ion: 56 Resp: 3094

Ion	Ratio	Lower	Upper
56	100		
69	164.9	25.3	37.9#
84	116.9	71.4	107.0#



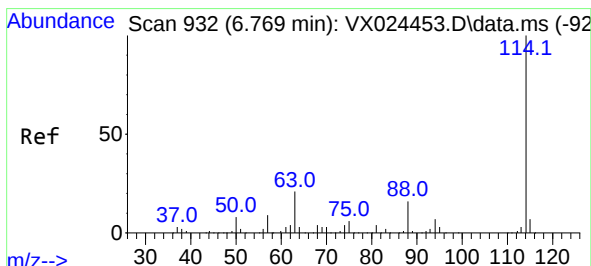
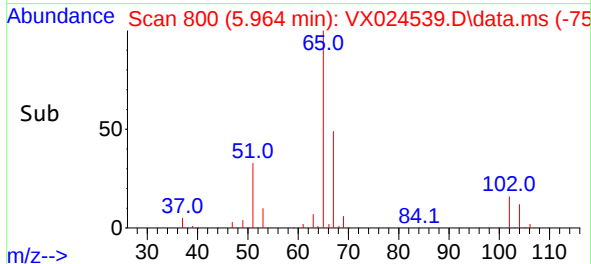
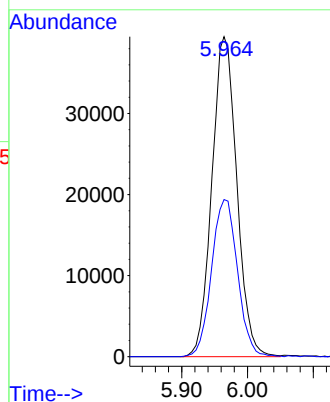
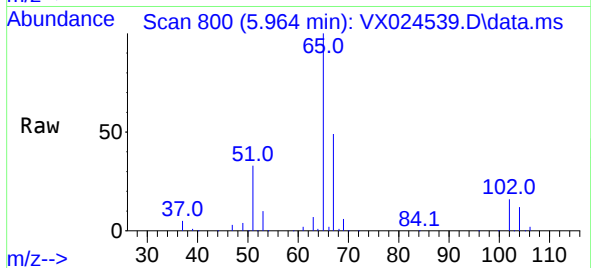


#33

1,2-Dichloroethane-d4
Concen: 52.732 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

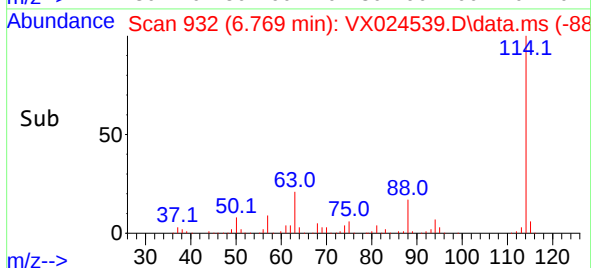
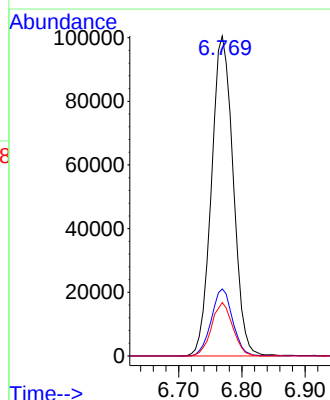
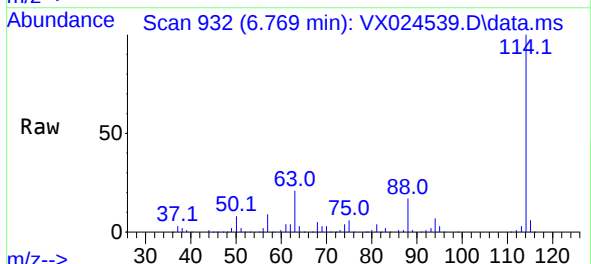
Tgt Ion: 65 Resp: 104038
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

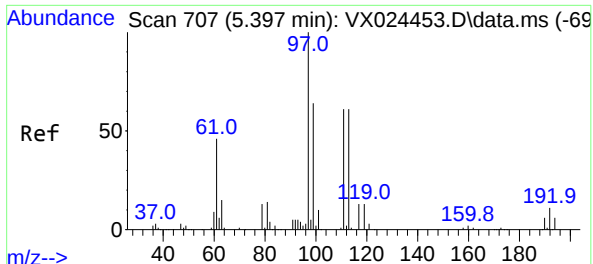


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 114 Resp: 239344
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.7 0.0 32.8

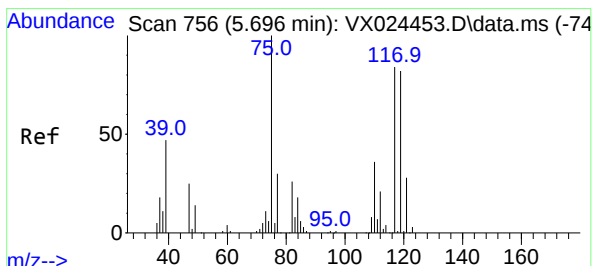
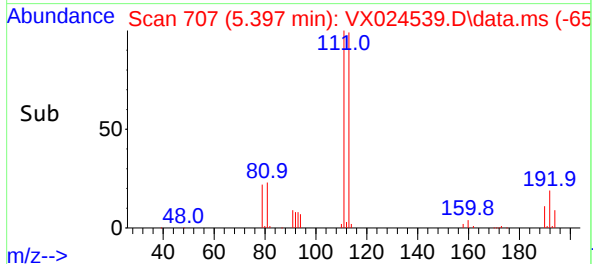
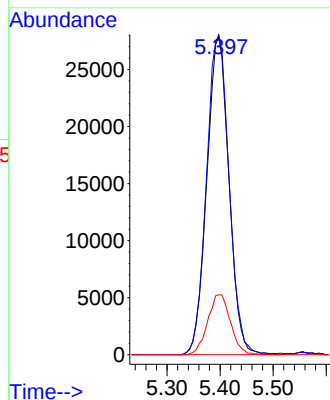
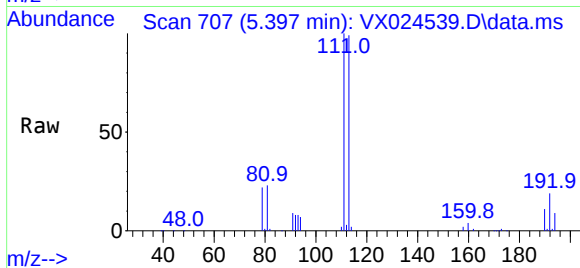




#35
Dibromofluoromethane
Concen: 50.834 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

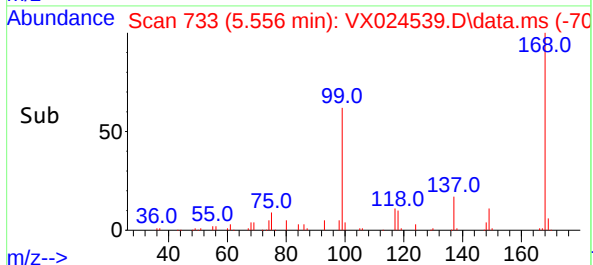
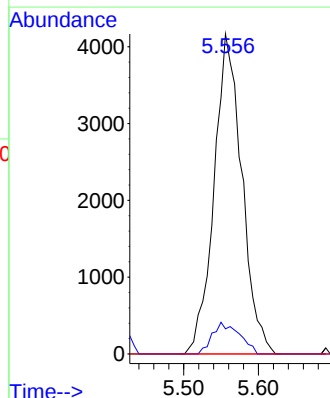
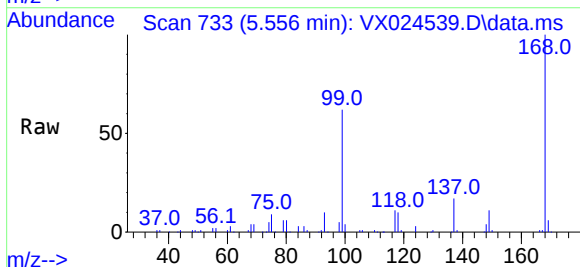
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

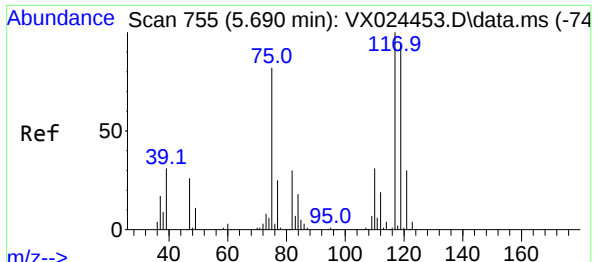
Tgt Ion:	113	Resp:	80827
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	19.4	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.705 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

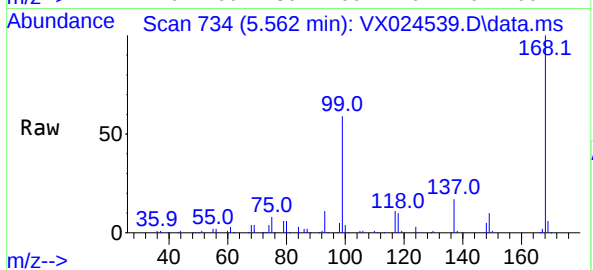
Tgt Ion:	75	Resp:	10795
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.4#
77	0.0	25.3	37.9#



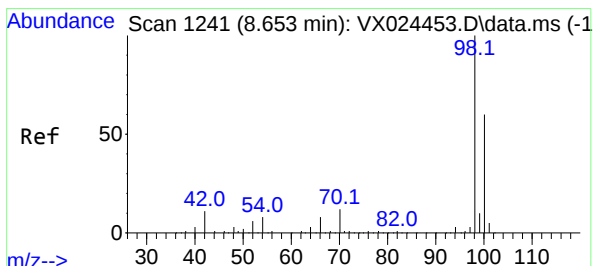
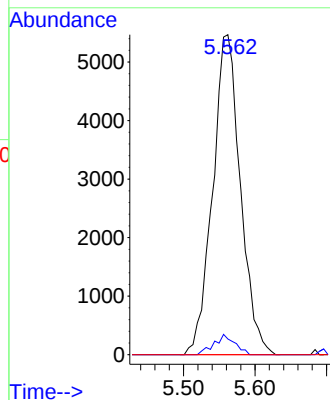
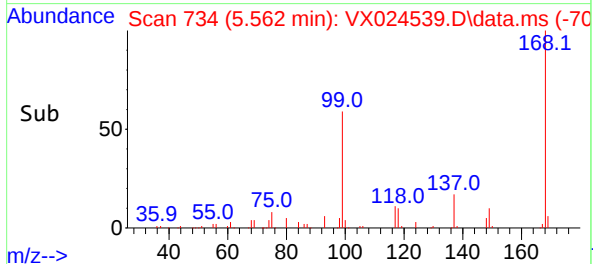


#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

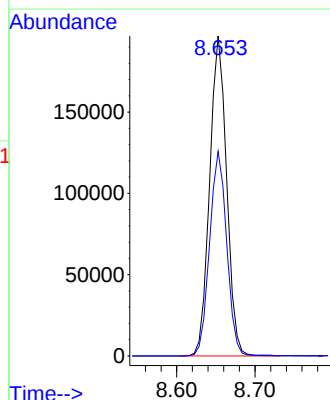
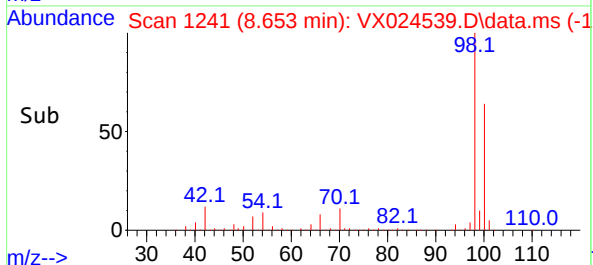
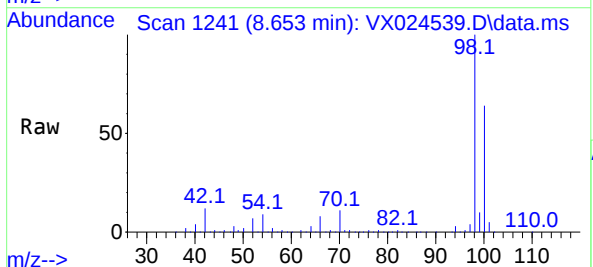


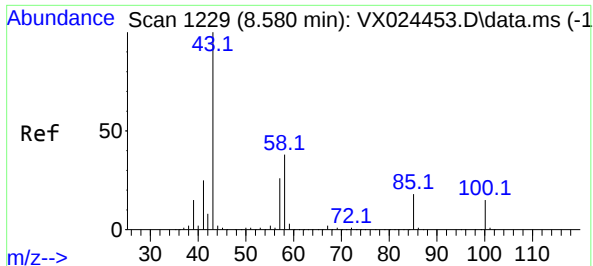
Tgt Ion:117 Resp: 14718
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.500 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 98 Resp: 295531
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

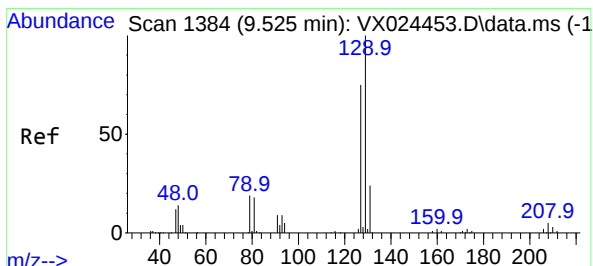
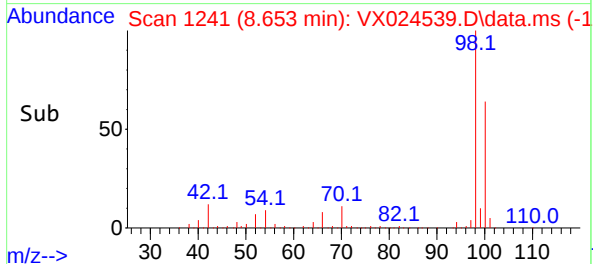
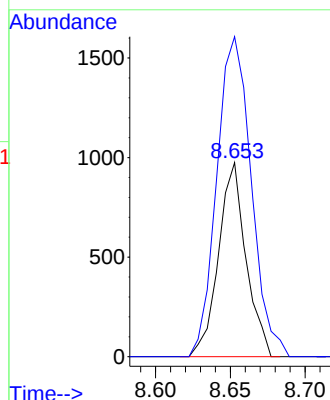
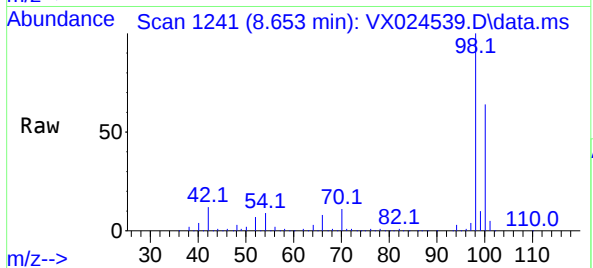




#51
4-Methyl-2-Pentanone
Concen: 0.434 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

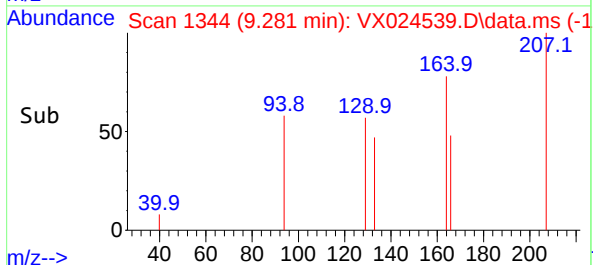
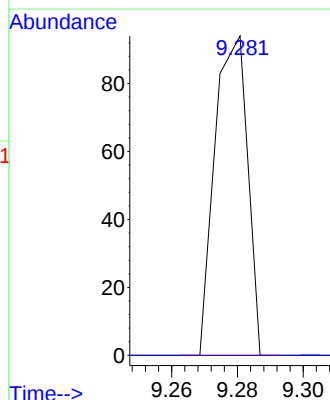
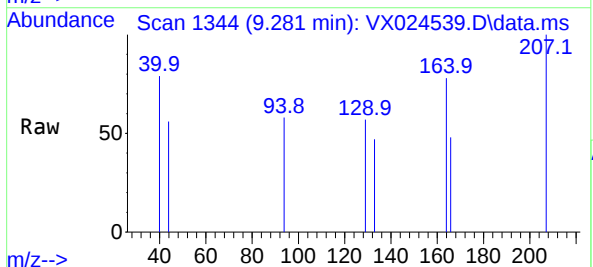
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

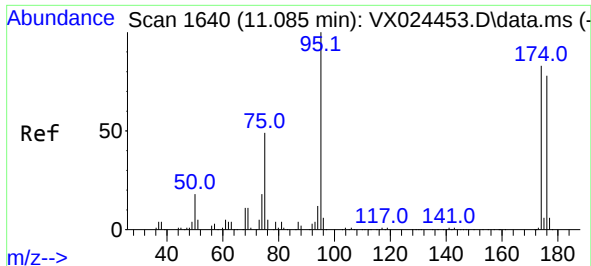
Tgt Ion: 43 Resp: 1247
Ion Ratio Lower Upper
43 100
58 206.5 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.219 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 129 Resp: 65
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

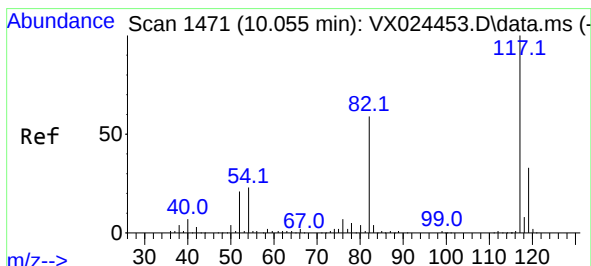
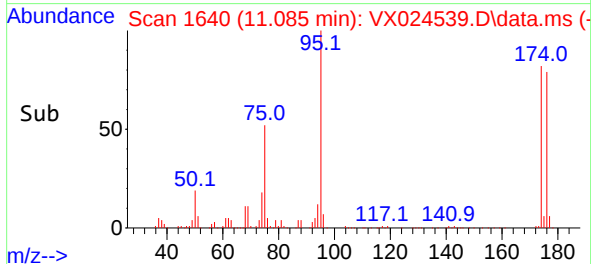
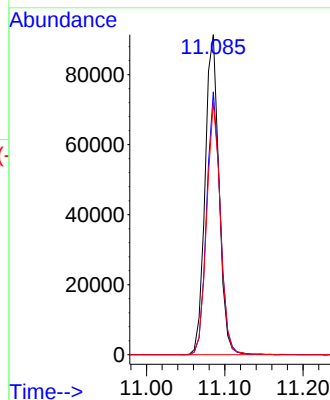
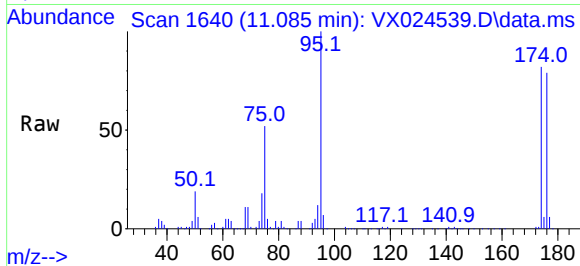




#62
4-Bromofluorobenzene
Concen: 48.849 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

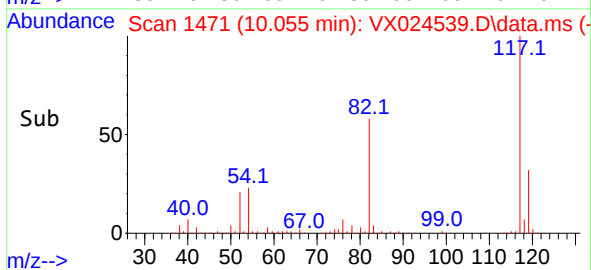
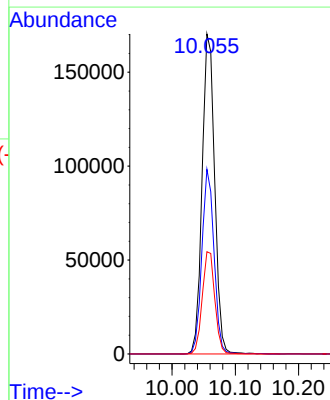
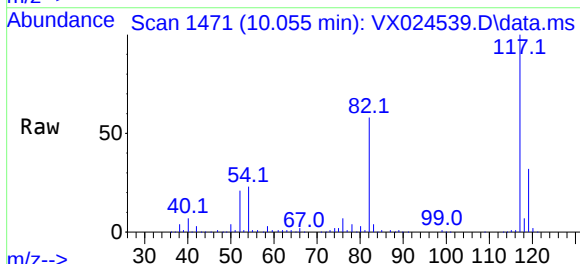
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

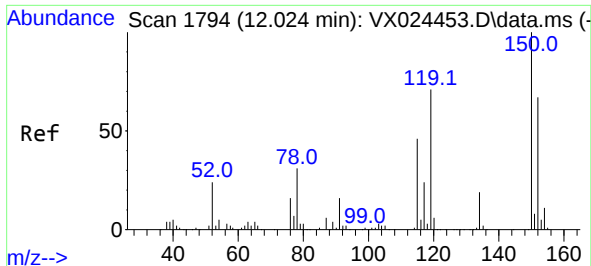
Tgt Ion: 95 Resp: 112400
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 78.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 117 Resp: 235767
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.0 26.6 39.8

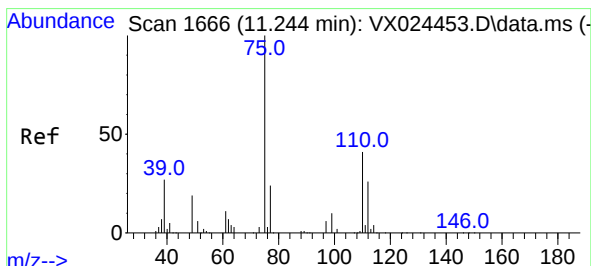
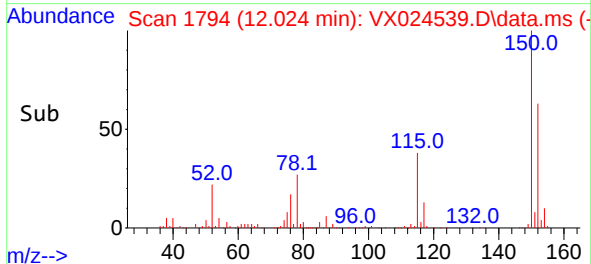
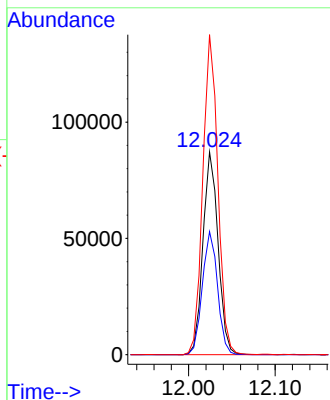
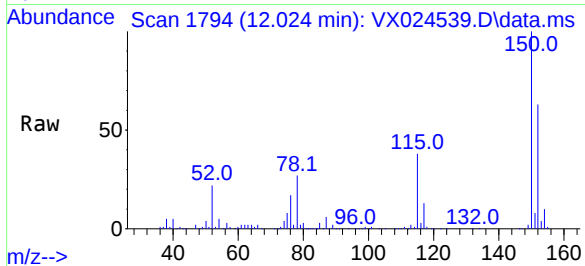




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

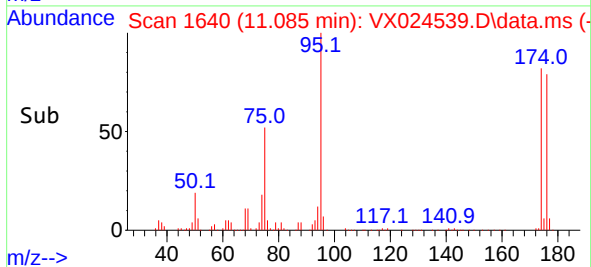
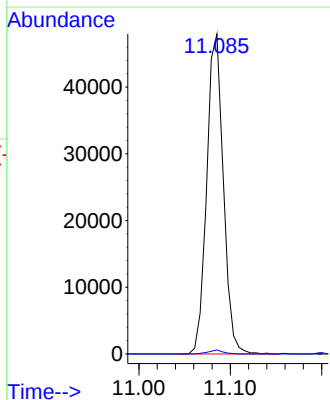
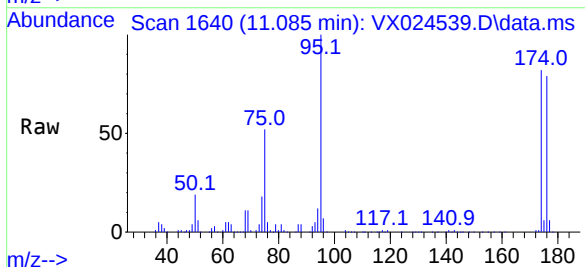
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL02

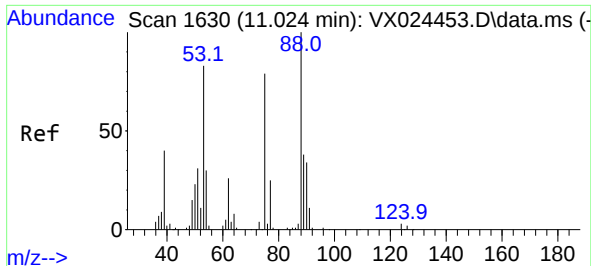
Tgt Ion:152 Resp: 105844
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 156.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.084 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024539.D
Acq: 04 Oct 2021 23:48

Tgt Ion: 75 Resp: 60294
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.397 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024539.D
 Acq: 04 Oct 2021 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL02

Tgt Ion: 75 Resp: 60294
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

