

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024605.D
 Acq On : 06 Oct 2021 05:43
 Operator : JC/MD
 Sample : M3960-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RAMB-MW11-GW

Quant Time: Oct 06 06:54:56 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)

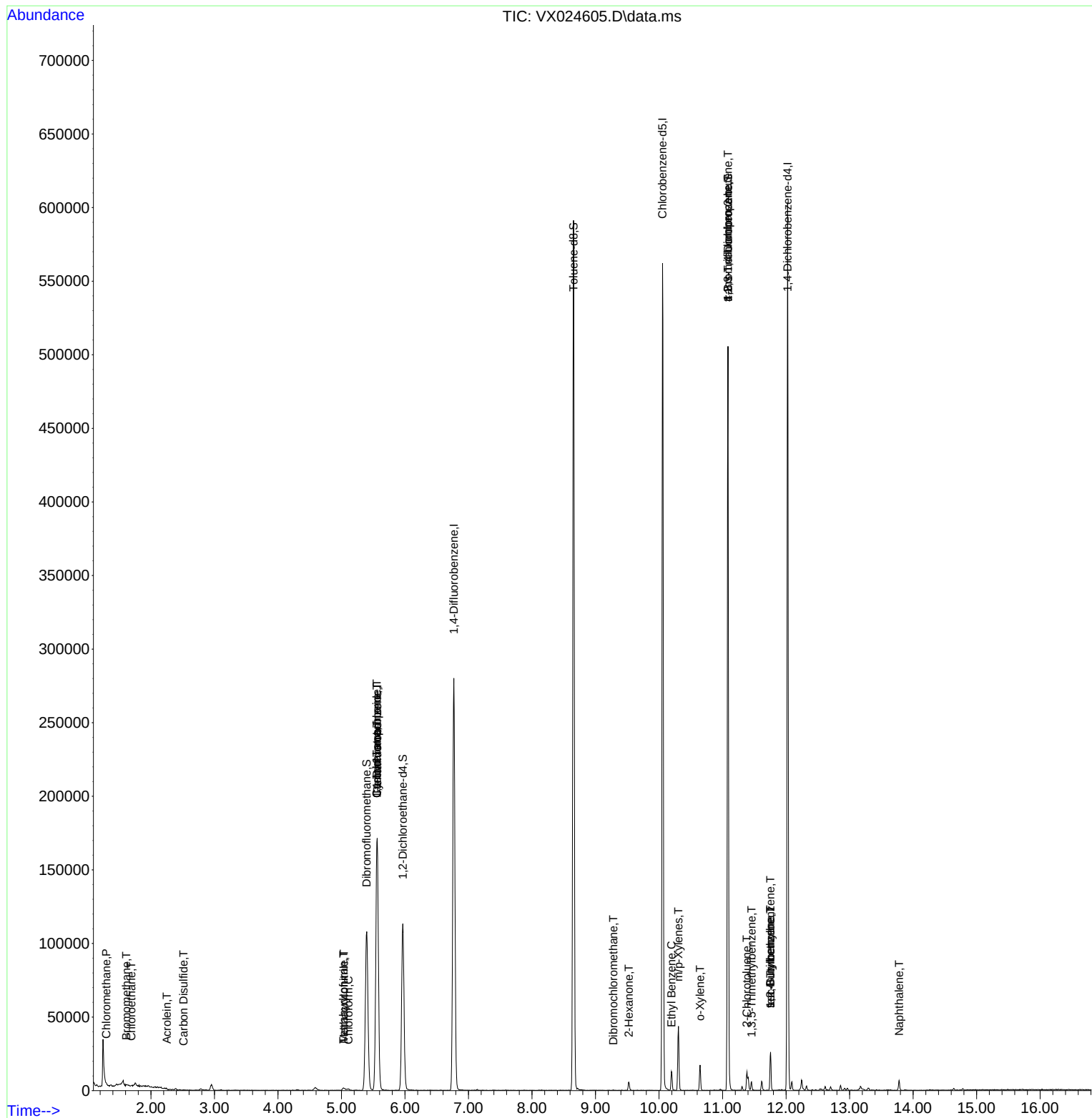
Internal Standards						
1) Pentafluorobenzene	5.562	168	166150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	293247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	113065	48.284	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.560%		
35) Dibromofluoromethane	5.397	113	95850	49.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.400%		
50) Toluene-d8	8.653	98	354455	49.435	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.880%		
62) 4-Bromofluorobenzene	11.085	95	134070	47.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.120%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	381	0.242	ug/l #	84
5) Bromomethane	1.611	94	273	0.246	ug/l #	62
6) Chloroethane	1.691	64	451	0.667	ug/l #	43
11) Tert butyl alcohol	2.953	59	2682	Below Cal	#	76
13) Acrolein	2.252	56	58	10.497	ug/l #	81
16) Acetone	2.386	43	1206	Below Cal		91
17) Carbon Disulfide	2.514	76	202	0.279	ug/l #	75
20) Methylene Chloride	2.788	84	23	Below Cal	#	34
29) Tetrahydrofuran	5.032	42	1542	1.501	ug/l #	86
30) Chloroform	5.111	83	1324	0.380	ug/l	89
31) Cyclohexane	5.556	56	3023	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12394	4.409	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16883	5.517	ug/l #	16
41) Methacrylonitrile	5.038	41	828	0.457	ug/l #	42
59) 2-Hexanone	9.525	43	900	0.324	ug/l #	37
60) Dibromochloromethane	9.281	129	19	1.195	ug/l #	11
67) Ethyl Benzene	10.195	91	7328	0.780	ug/l	93
68) m/p-Xylenes	10.305	106	9937	2.758	ug/l	97
69) o-Xylene	10.646	106	3690	1.036	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	65907	23.492	ug/l #	39
79) 2-Chlorotoluene	11.384	91	1347	0.217	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.457	105	2833	0.380	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	65907	64.178	ug/l #	12
83) tert-Butylbenzene	11.756	119	1551	0.207	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.756	105	11517	1.552	ug/l	98
85) sec-Butylbenzene	11.756	105	11517	1.252	ug/l #	57
95) Naphthalene	13.780	128	4591	0.532	ug/l	98

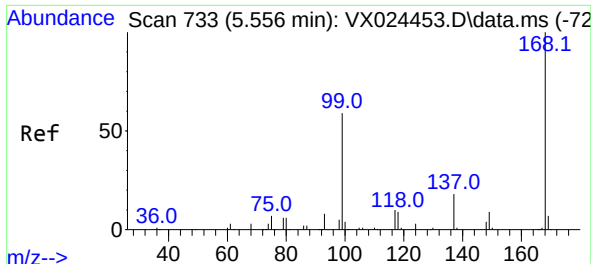
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

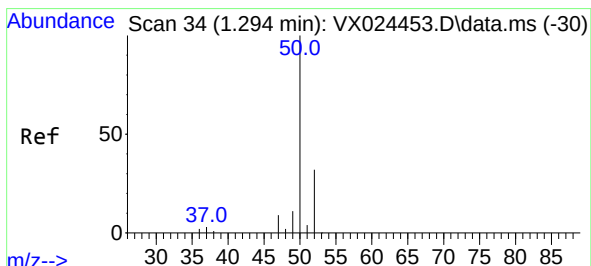
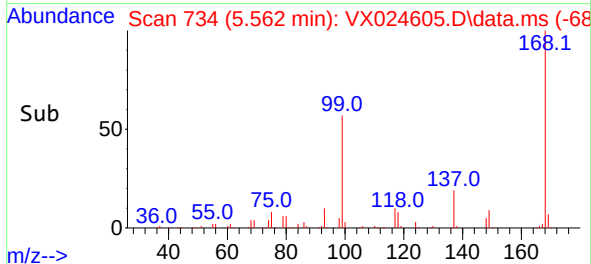
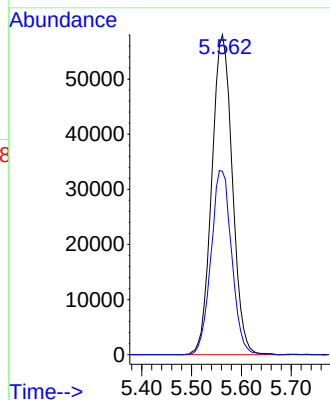
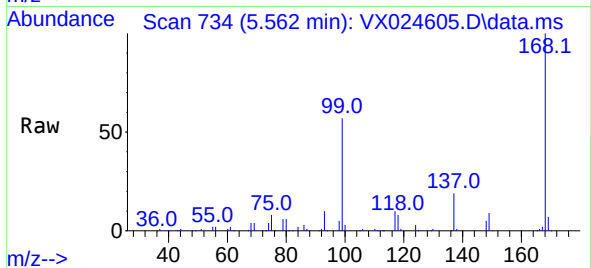




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

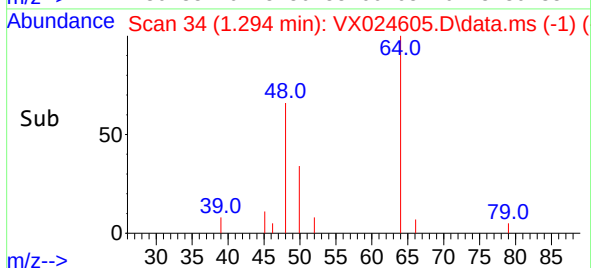
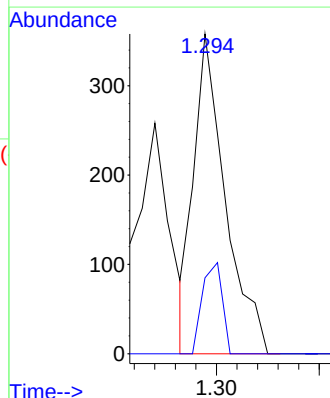
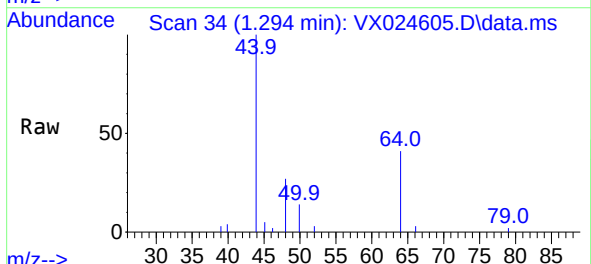
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

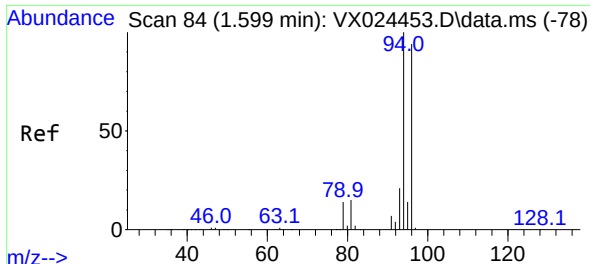
Tgt Ion:168 Resp: 166150
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 50 Resp: 381
Ion Ratio Lower Upper
50 100
52 23.7 26.4 39.6#

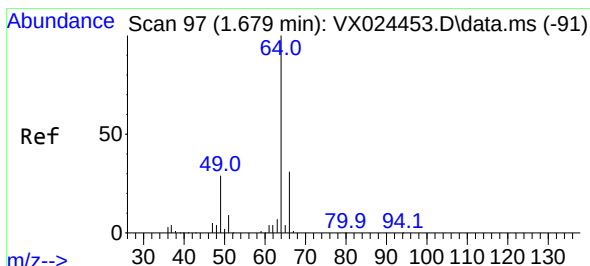
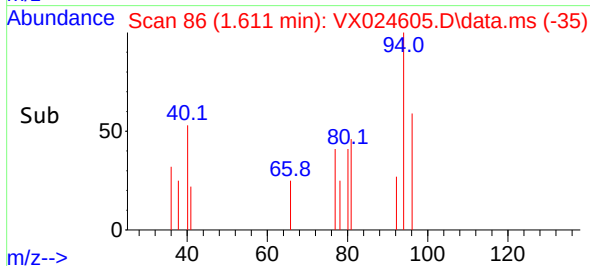
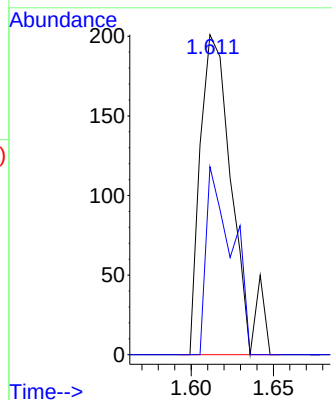
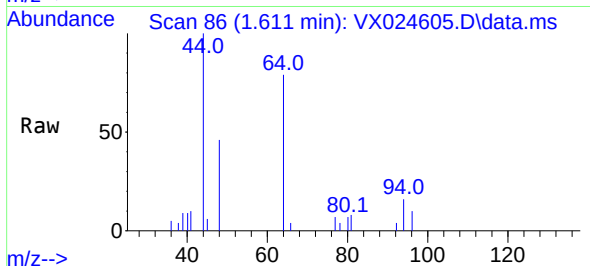




#5
Bromomethane
Concen: 0.246 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

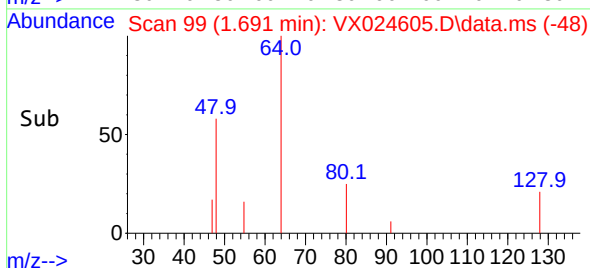
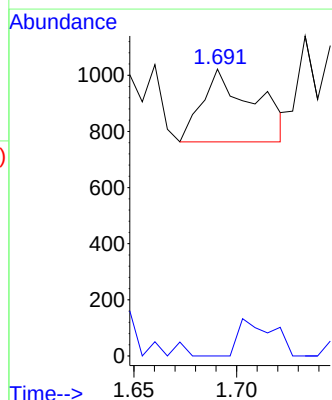
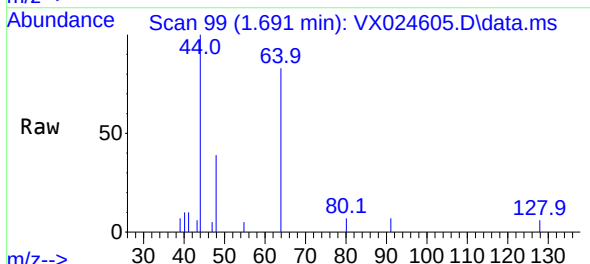
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

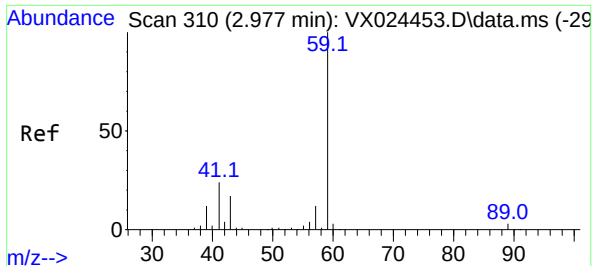
Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 58.7 76.4 114.6#



#6
Chloroethane
Concen: 0.667 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 64 Resp: 451
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

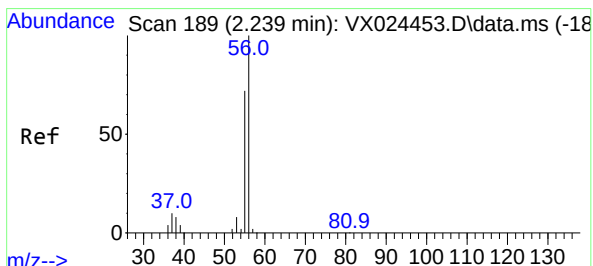
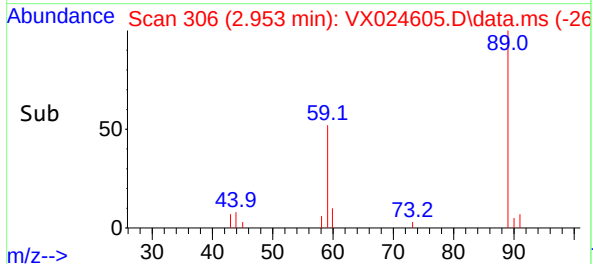
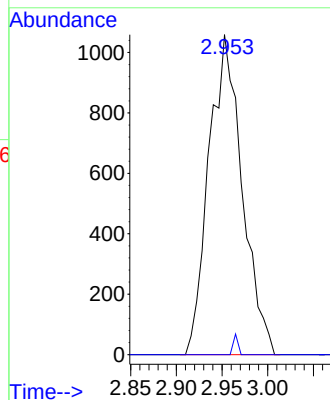
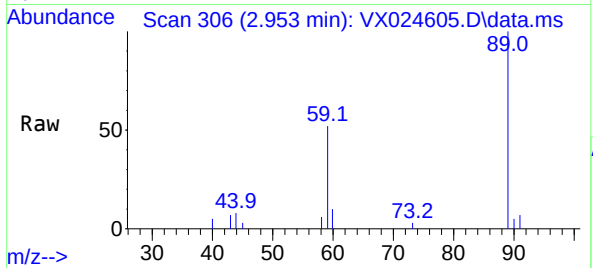




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

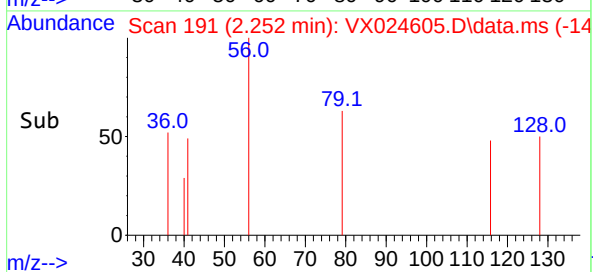
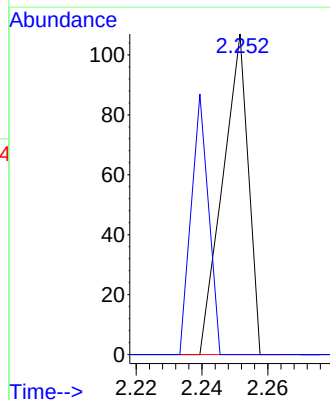
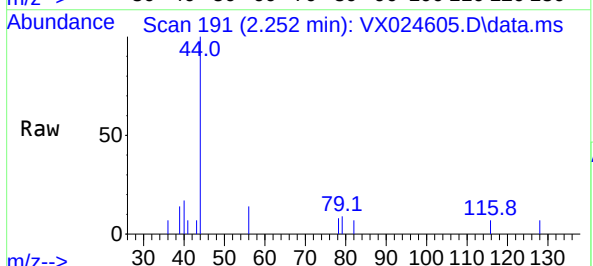
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

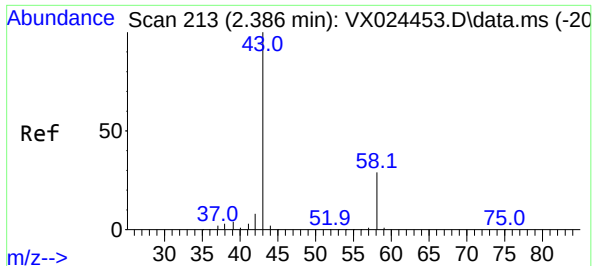
Tgt Ion: 59 Resp: 2682
Ion Ratio Lower Upper
59 100
57 0.9 7.8 11.8#



#13
Acrolein
Concen: 10.497 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 55.2 56.4 84.6#

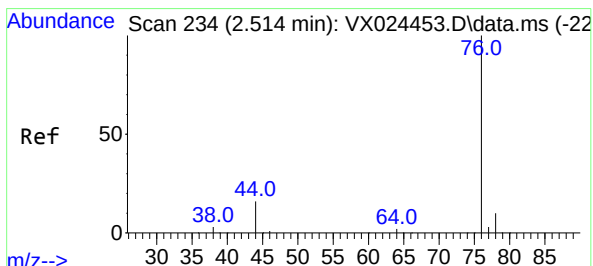
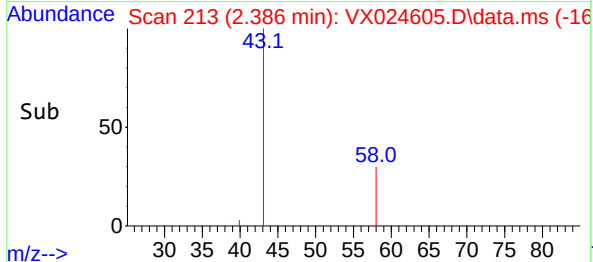
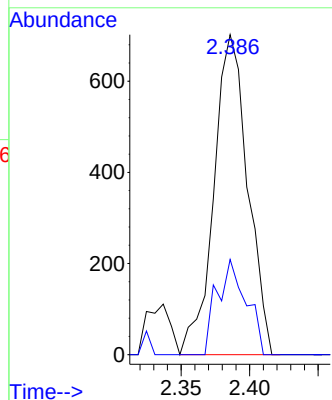
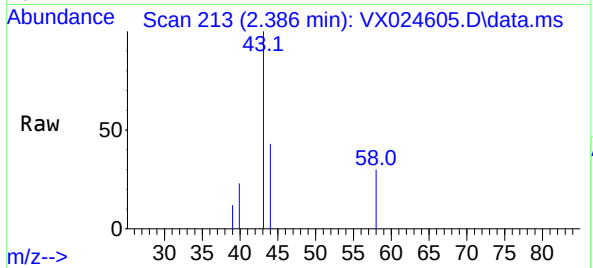




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

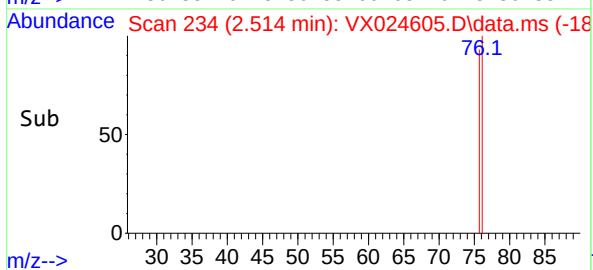
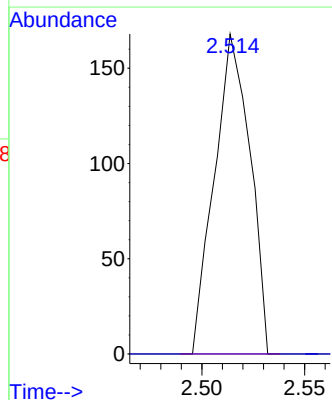
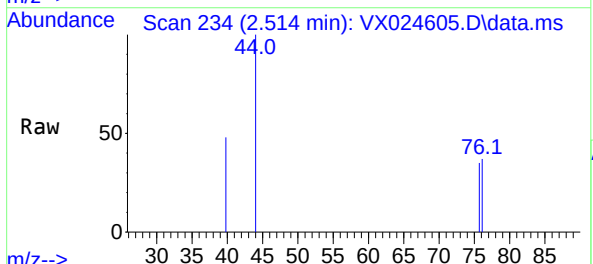
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

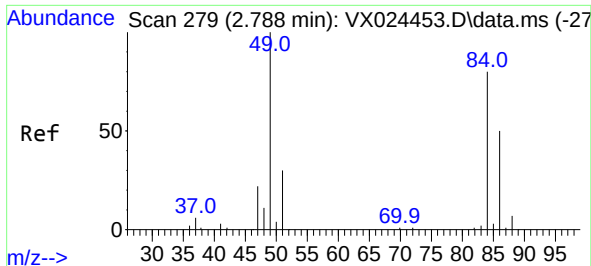
Tgt Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8



#17
Carbon Disulfide
Concen: 0.279 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 76 Resp: 202
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



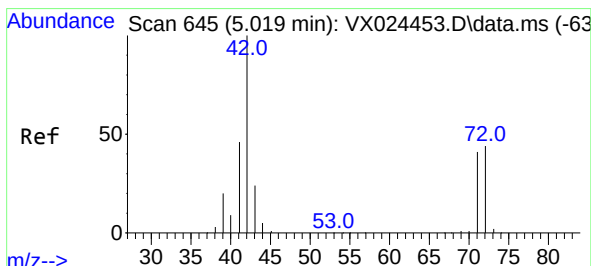
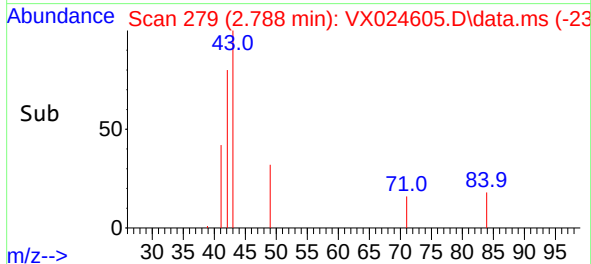
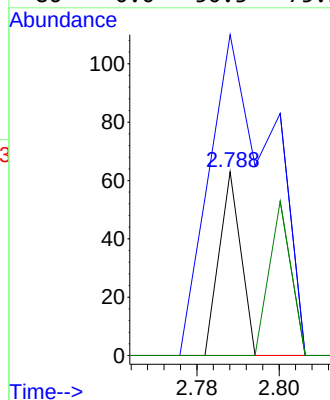
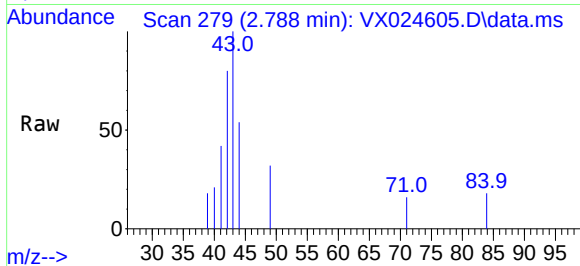


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

Tgt Ion: 84 Resp: 23

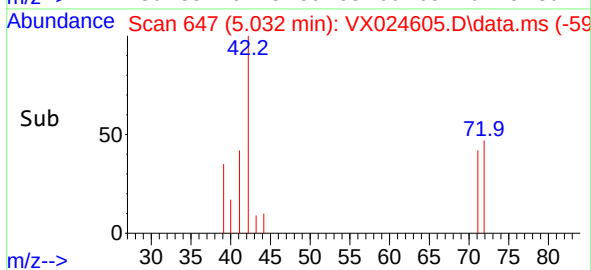
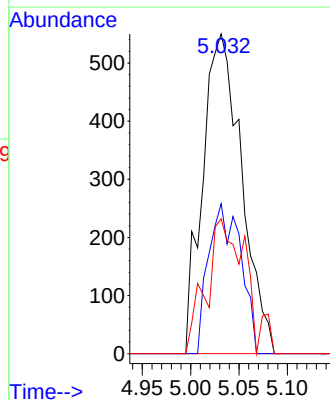
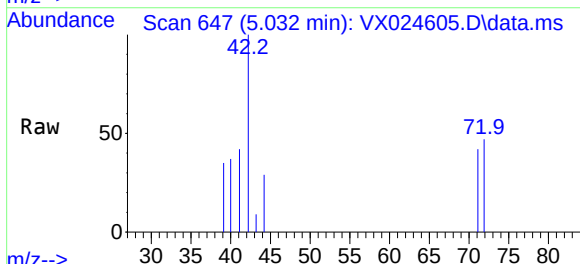
Ion	Ratio	Lower	Upper
84	100		
49	174.6	88.6	132.8#
51	0.0	27.0	40.6#
86	0.0	50.3	75.5#

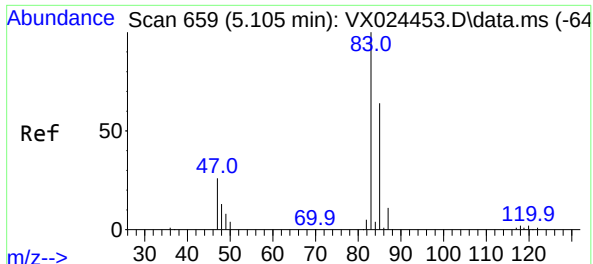


#29
Tetrahydrofuran
Concen: 1.501 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 42 Resp: 1542

Ion	Ratio	Lower	Upper
42	100		
72	38.6	41.7	62.5#
71	42.8	38.4	57.6





#30

Chloroform

Concen: 0.380 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX024605.D

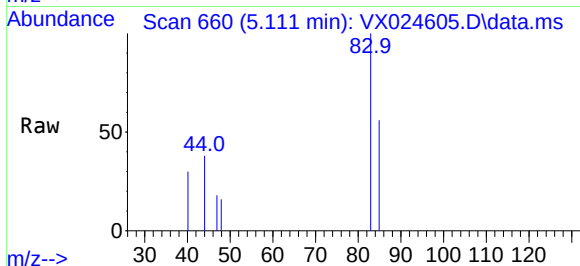
Acq: 06 Oct 2021 05:43

Tgt Ion: 83 Resp: 1324

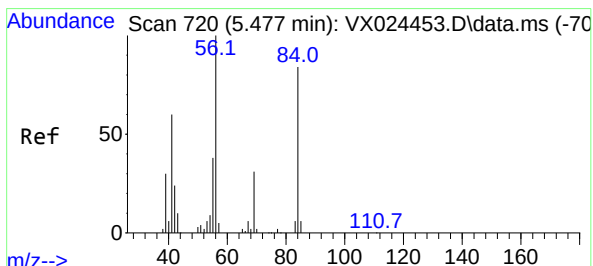
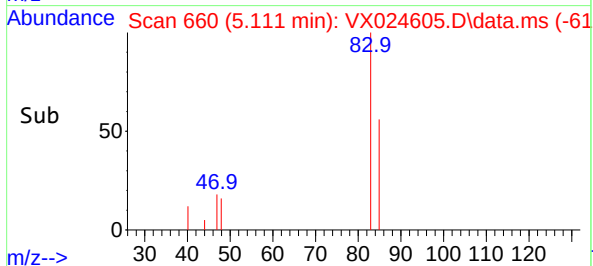
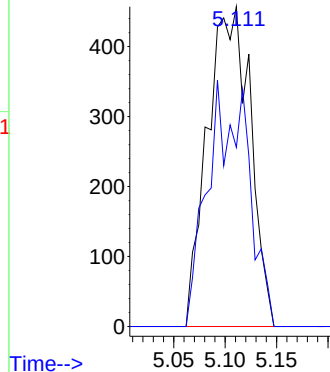
Ion Ratio Lower Upper

83 100

85 56.0 52.0 78.0



Abundance



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024605.D

Acq: 06 Oct 2021 05:43

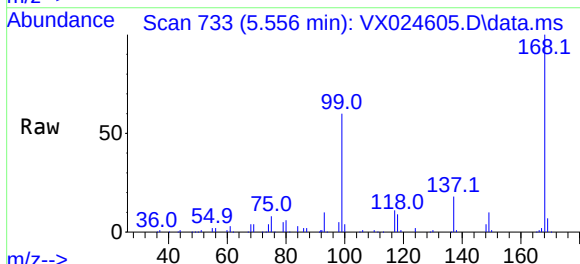
Tgt Ion: 56 Resp: 3023

Ion Ratio Lower Upper

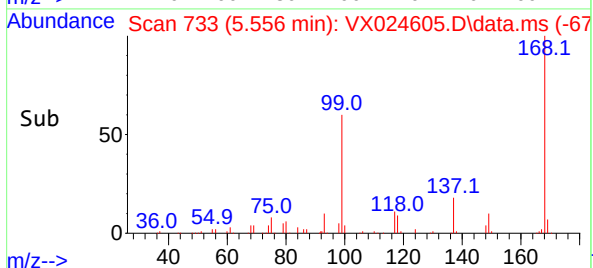
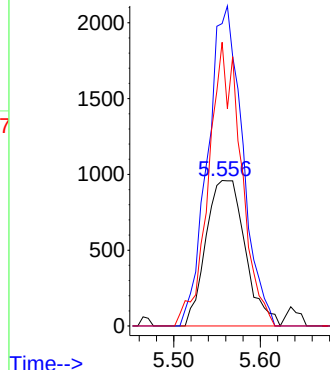
56 100

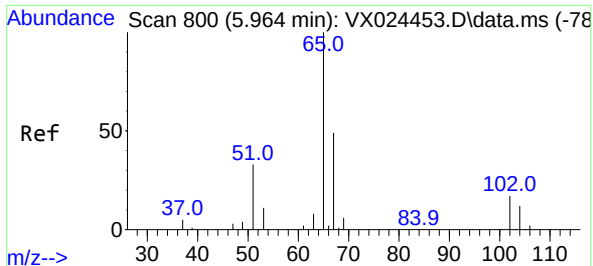
69 207.8 25.3 37.9#

84 194.9 71.4 107.0#



Abundance



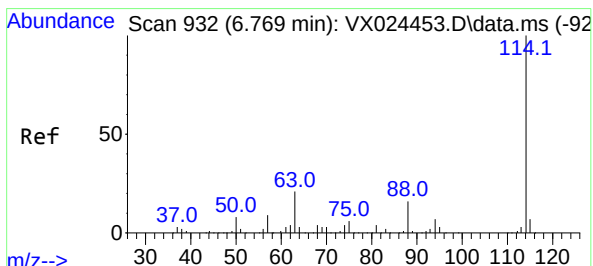
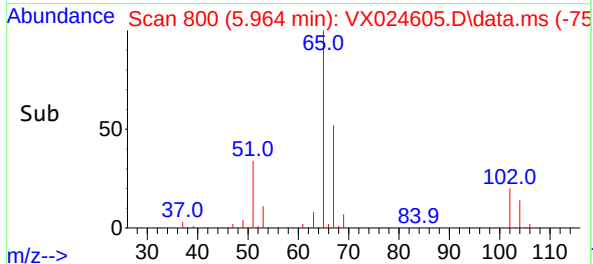
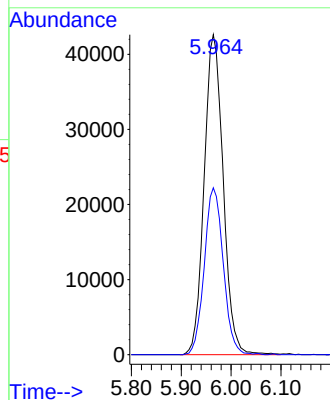
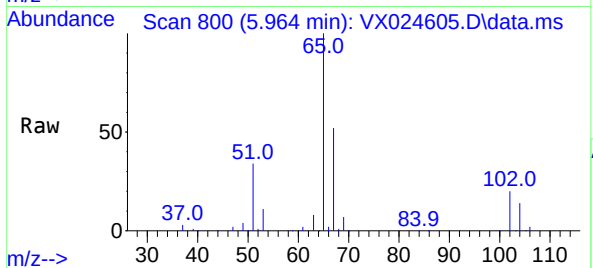


#33

1,2-Dichloroethane-d4
Concen: 48.284 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

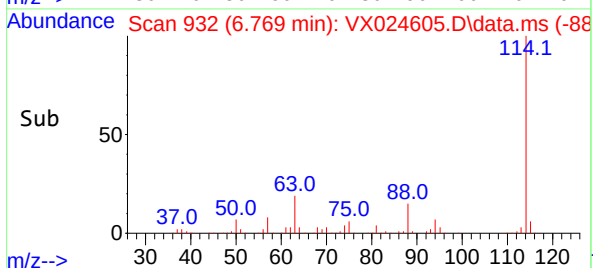
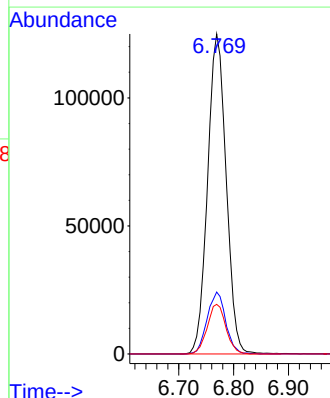
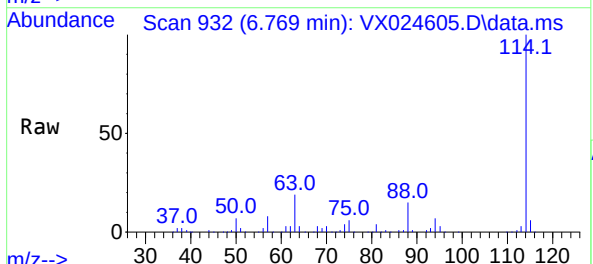
Tgt Ion: 65 Resp: 113065
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

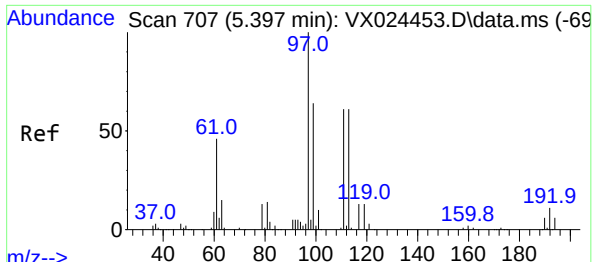


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 114 Resp: 293247
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 15.5 0.0 32.8



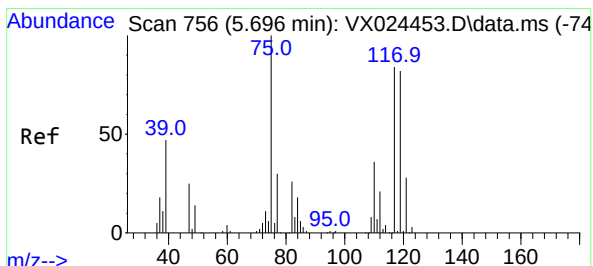
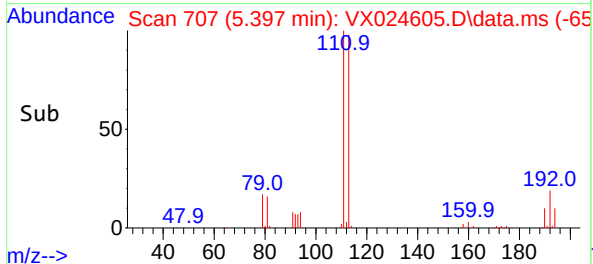
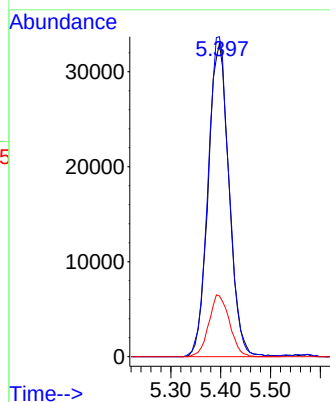
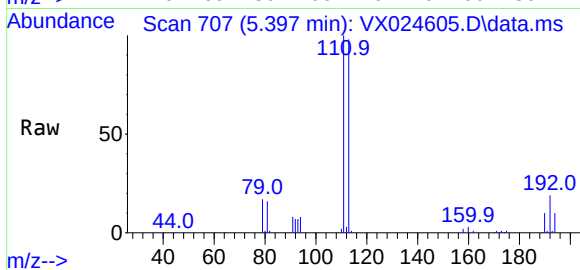


#35
Dibromofluoromethane
Concen: 49.201 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

Tgt Ion:113 Resp: 95850

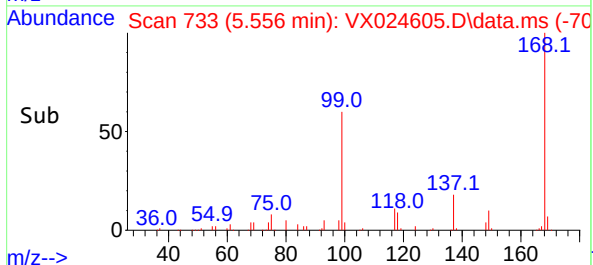
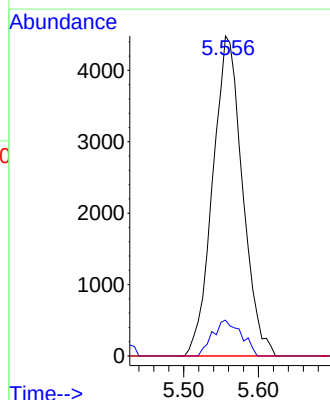
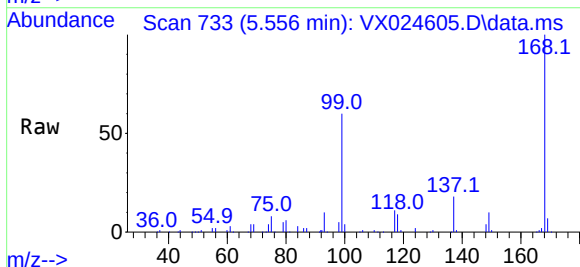
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	19.4	16.7	25.1

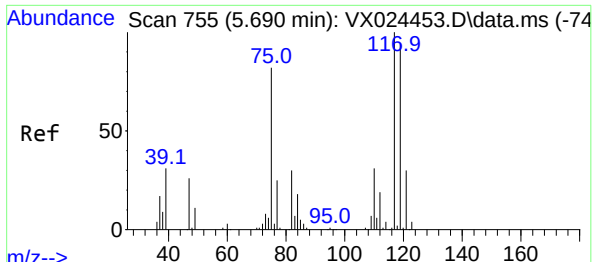


#36
1,1-Dichloropropene
Concen: 4.409 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 75 Resp: 12394

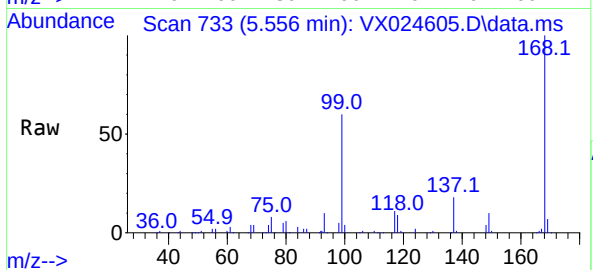
Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.4#
77	0.0	25.3	37.9#



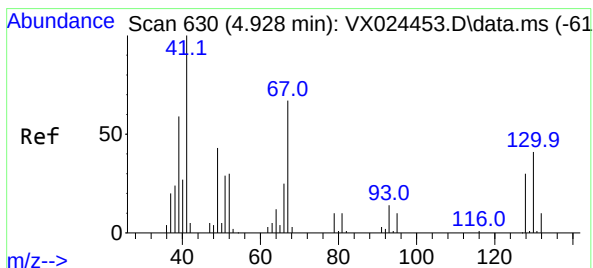
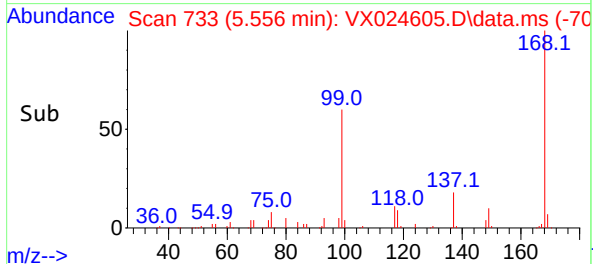
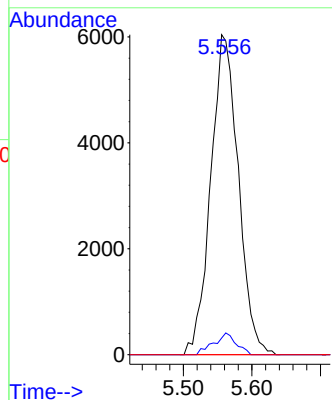


#38
Carbon Tetrachloride
Concen: 5.517 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

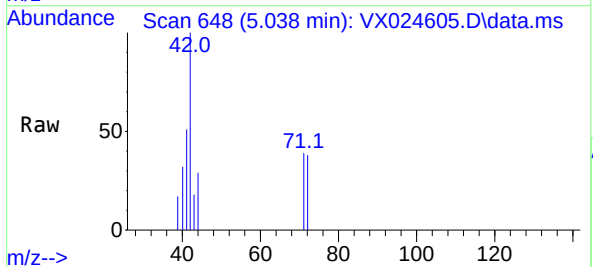
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW



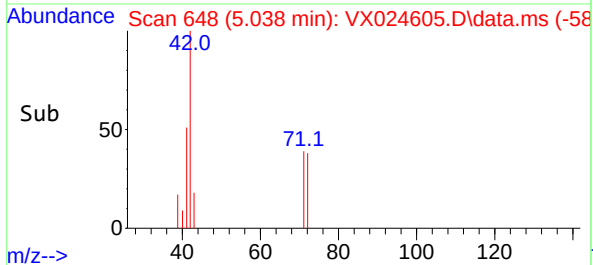
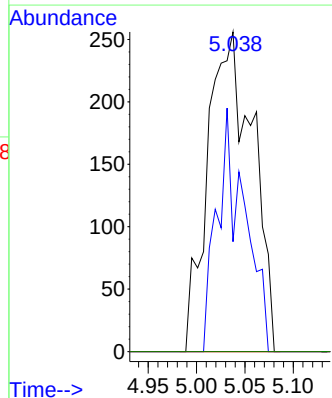
Tgt Ion:117 Resp: 16883
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

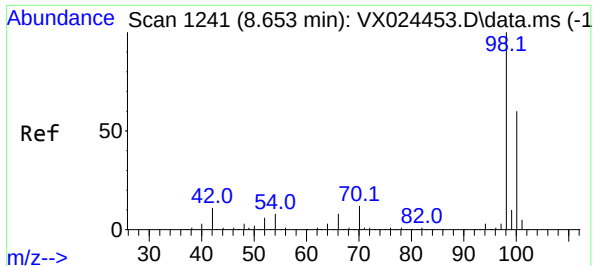


#41
Methacrylonitrile
Concen: 0.457 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43



Tgt Ion: 41 Resp: 828
Ion Ratio Lower Upper
41 100
39 46.7 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

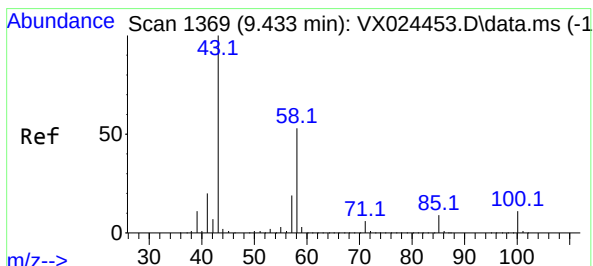
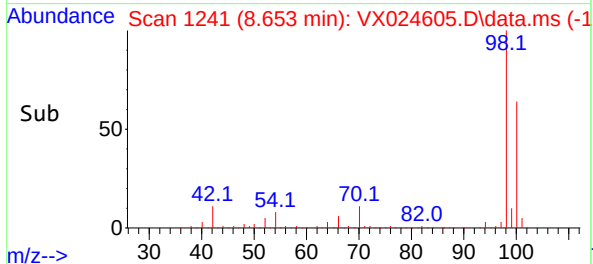
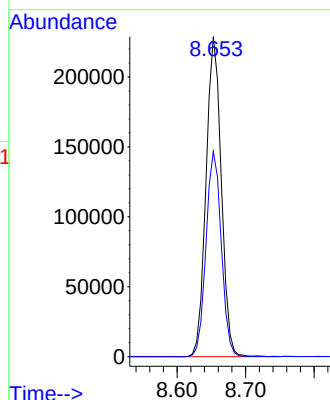
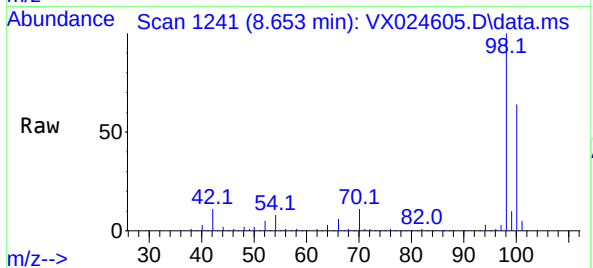




#50
Toluene-d8
Concen: 49.435 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

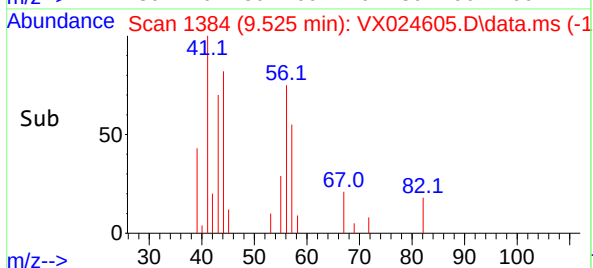
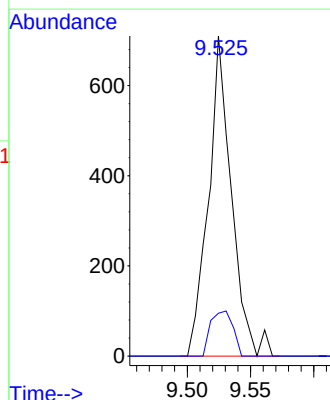
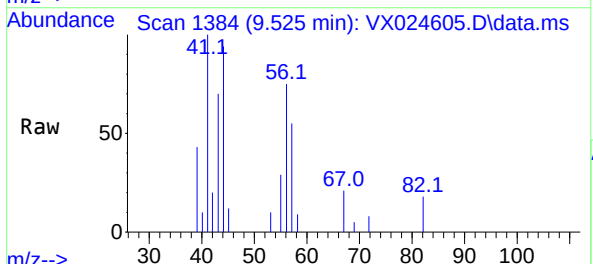
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

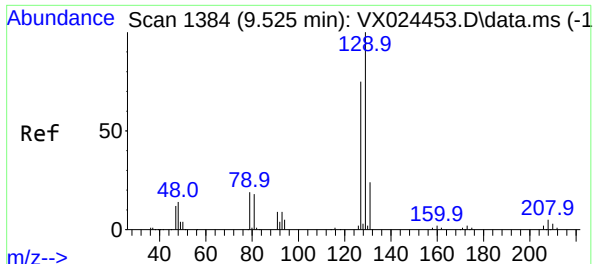
Tgt Ion: 98 Resp: 354455
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#59
2-Hexanone
Concen: 0.324 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.092 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
58 13.7 30.9 92.8#





#60

Dibromochloromethane

Concen: 1.195 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024605.D

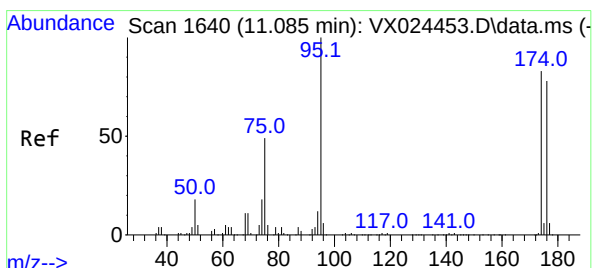
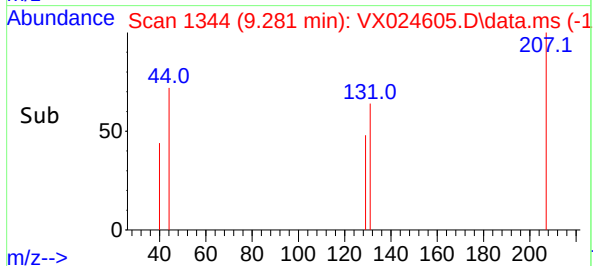
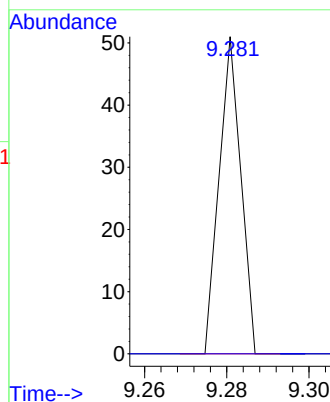
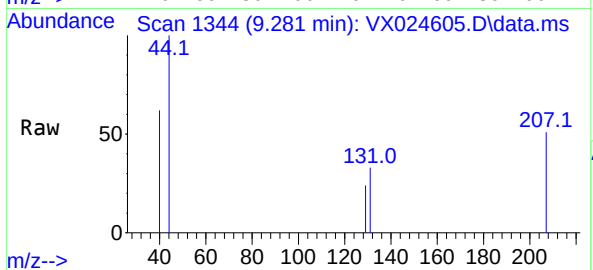
Acq: 06 Oct 2021 05:43

Tgt Ion:129 Resp: 19

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 47.557 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024605.D

Acq: 06 Oct 2021 05:43

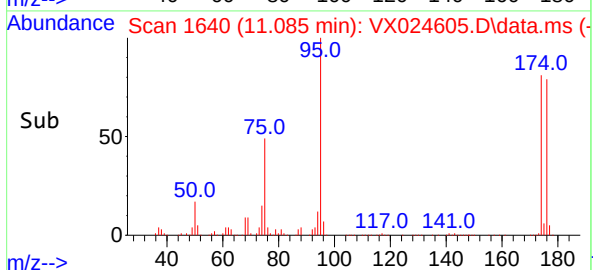
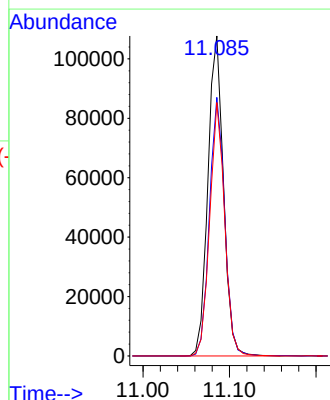
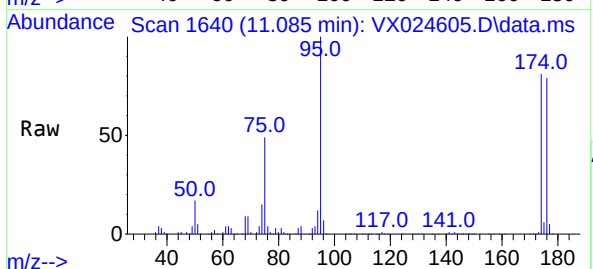
Tgt Ion: 95 Resp: 134070

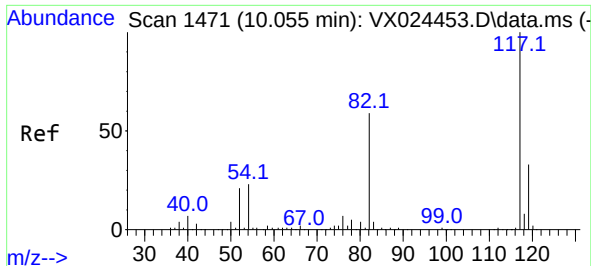
Ion Ratio Lower Upper

95 100

174 79.4 0.0 154.6

176 76.0 0.0 155.8

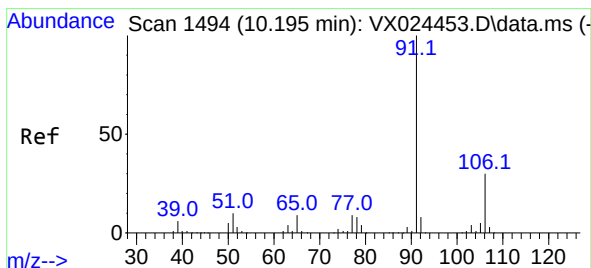
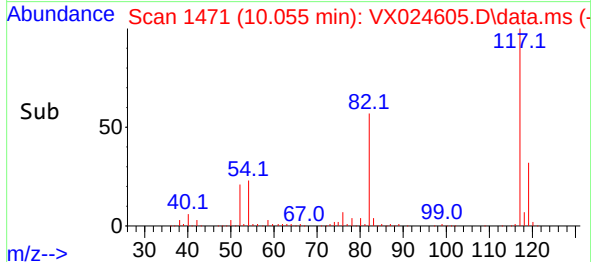
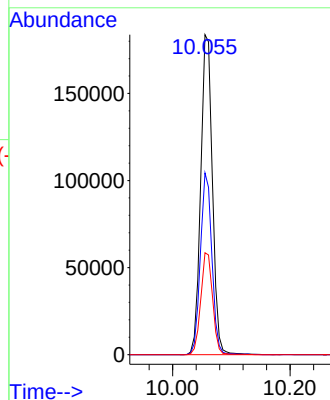
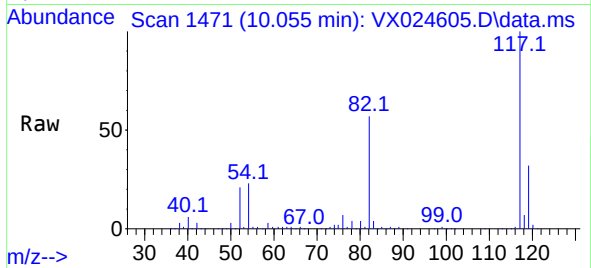




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

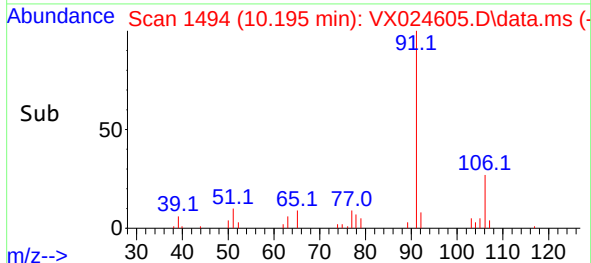
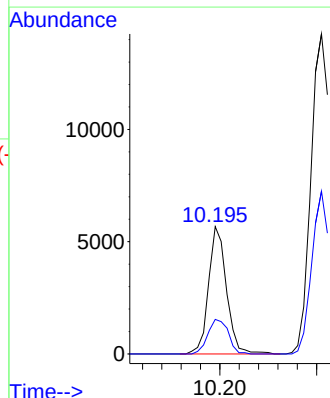
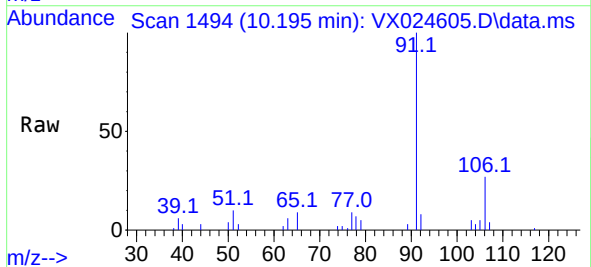
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

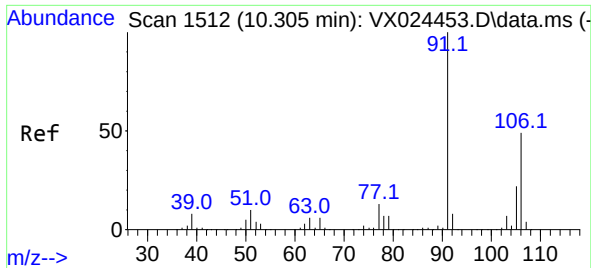
Tgt Ion:117 Resp: 254774
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 31.8 26.6 39.8



#67
Ethyl Benzene
Concen: 0.780 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 91 Resp: 7328
Ion Ratio Lower Upper
91 100
106 27.2 24.6 37.0

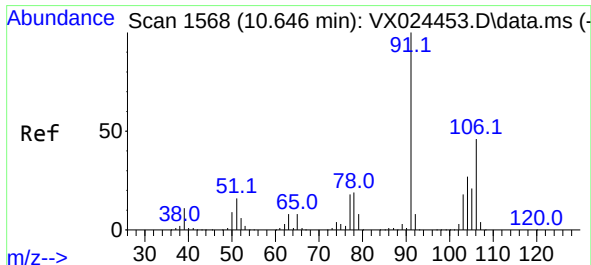
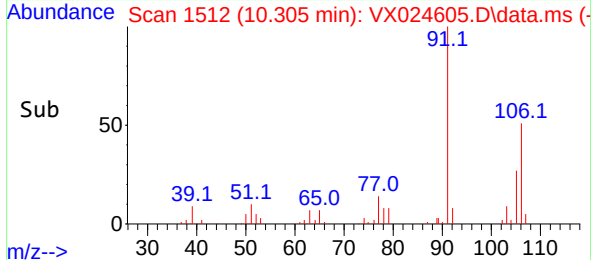
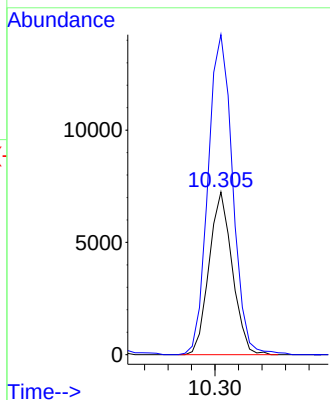
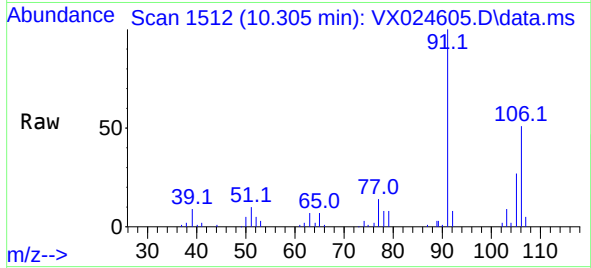




#68
m/p-Xylenes
Concen: 2.758 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

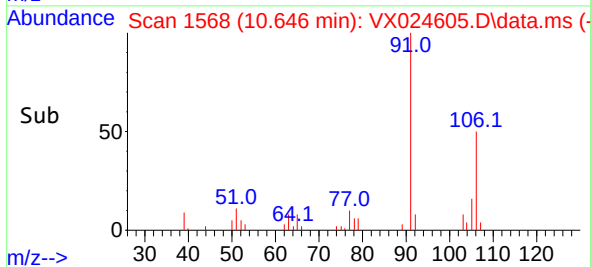
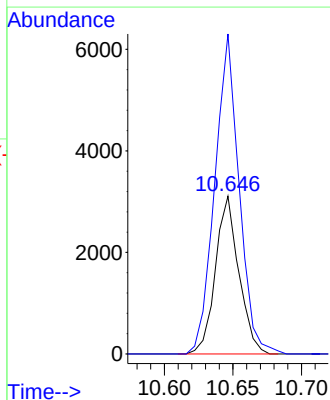
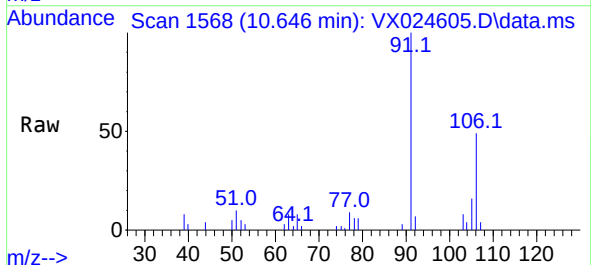
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

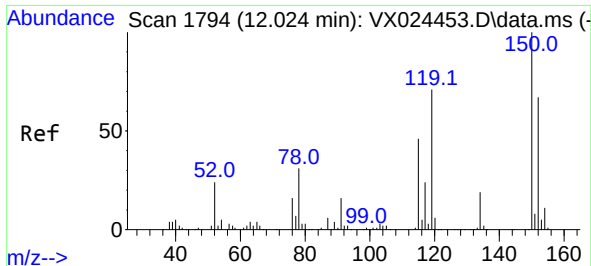
Tgt Ion:106 Resp: 9937
Ion Ratio Lower Upper
106 100
91 208.5 162.8 244.2



#69
o-Xylene
Concen: 1.036 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion:106 Resp: 3690
Ion Ratio Lower Upper
106 100
91 210.8 108.1 324.2

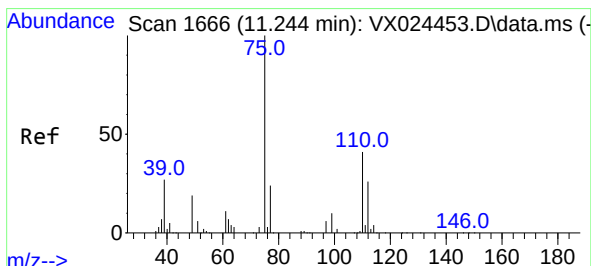
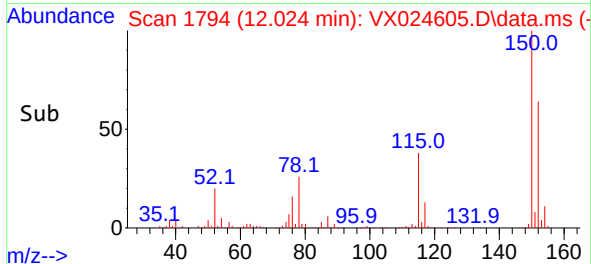
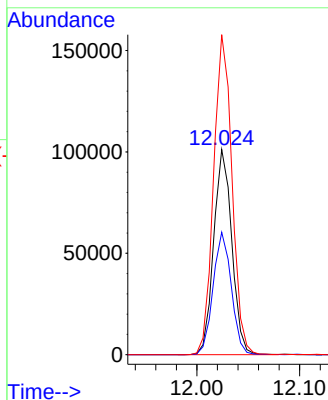
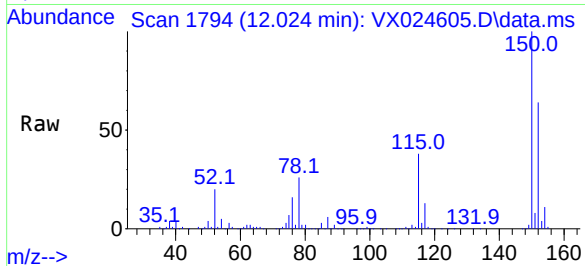




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

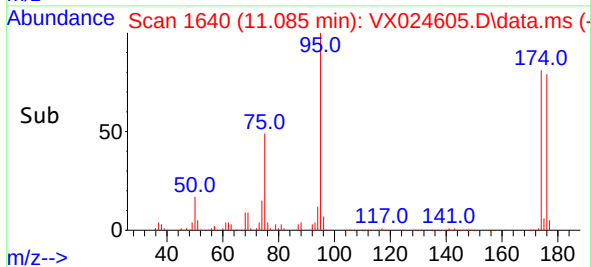
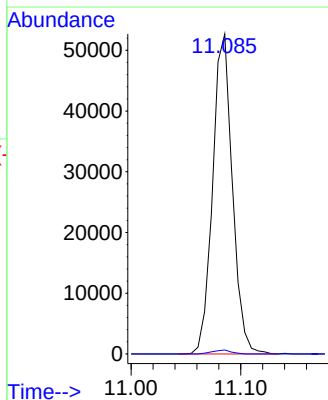
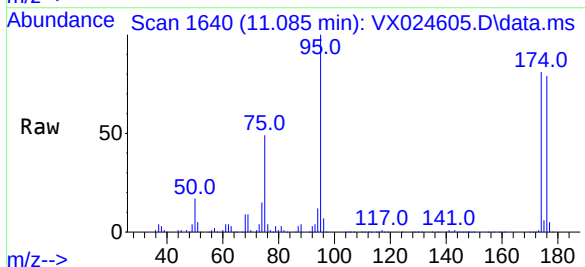
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

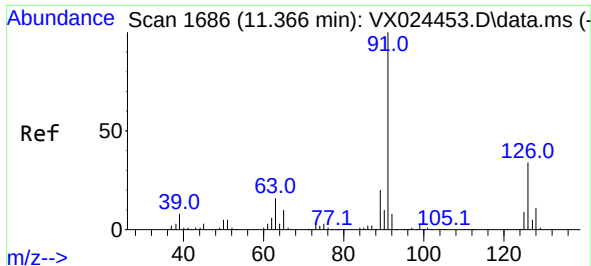
Tgt Ion:152 Resp: 123540
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 158.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 23.492 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

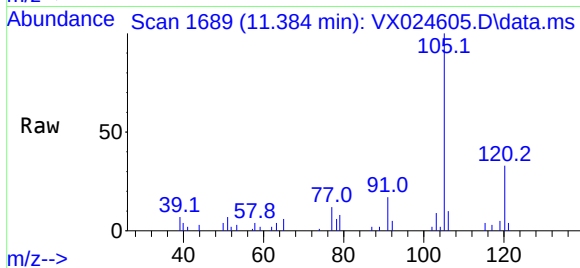
Tgt Ion: 75 Resp: 65907
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



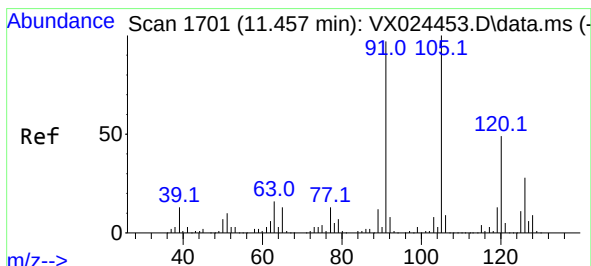
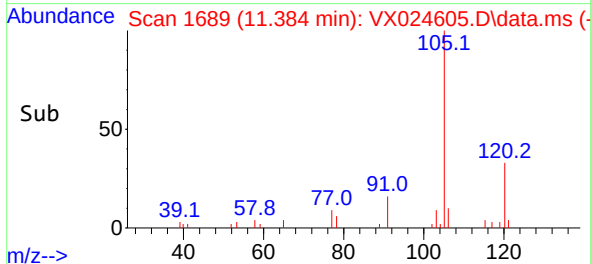
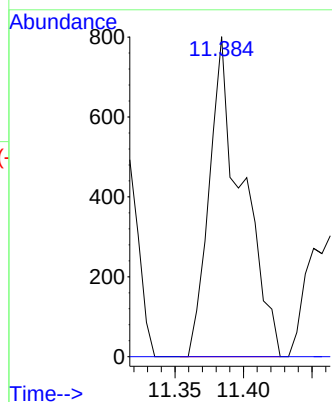


#79
2-Chlorotoluene
Concen: 0.217 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

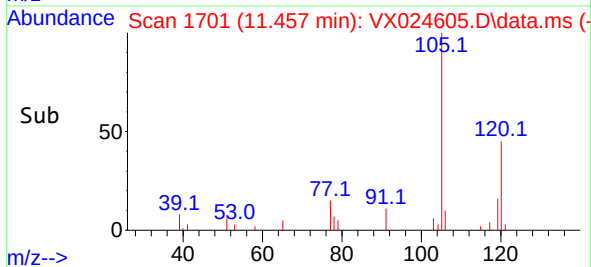
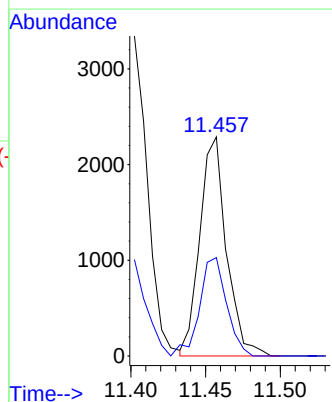
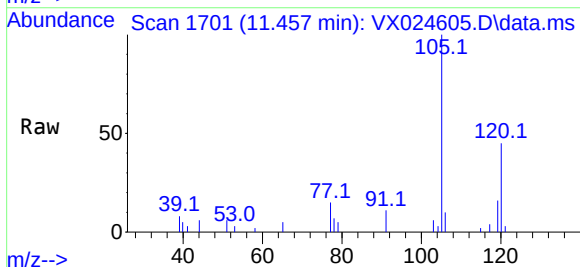


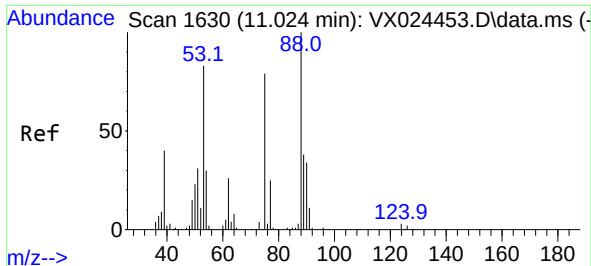
Tgt Ion: 91 Resp: 1347
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.380 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 105 Resp: 2833
Ion Ratio Lower Upper
105 100
120 45.6 23.8 71.5

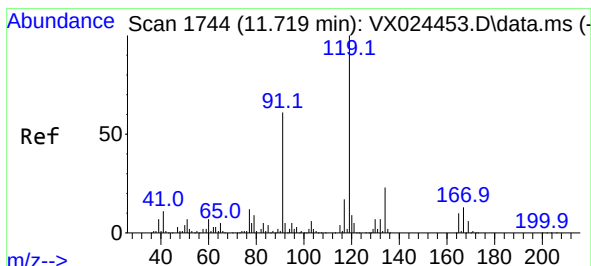
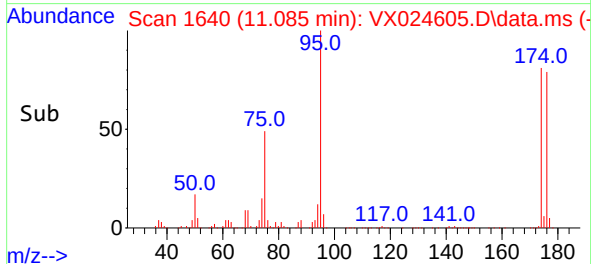
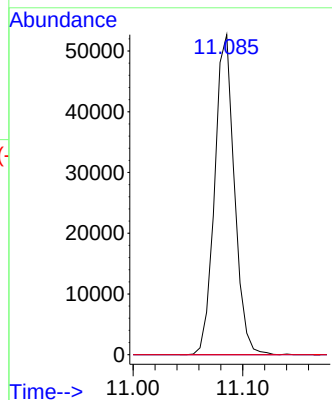
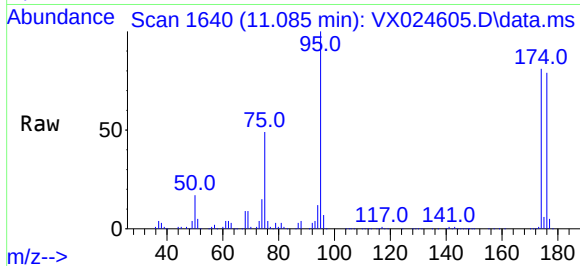




#81
trans-1,4-Dichloro-2-butene
Concen: 64.178 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

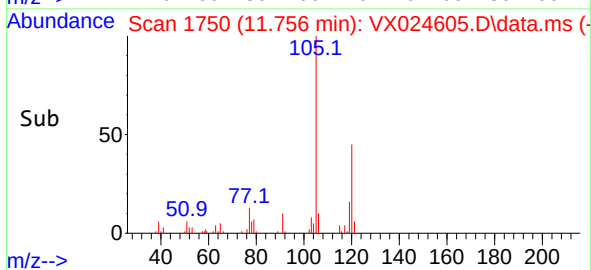
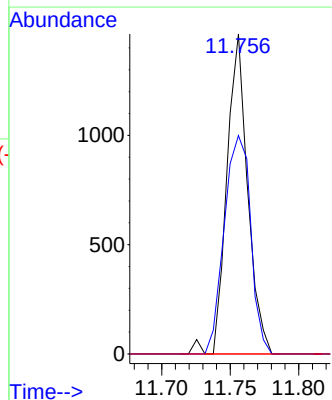
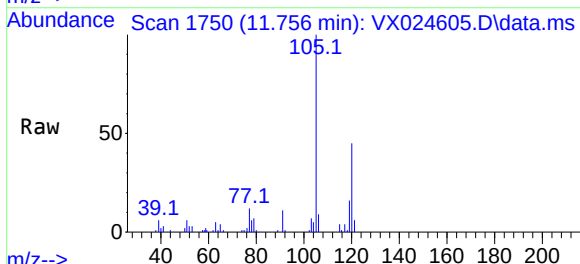
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

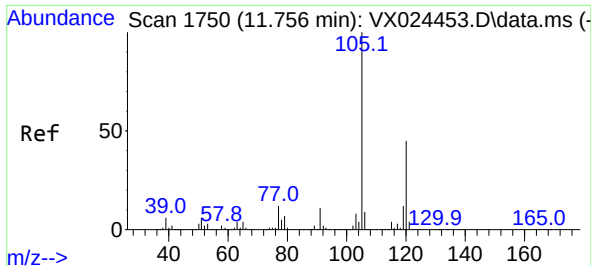
Tgt Ion: 75 Resp: 65907
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#83
tert-Butylbenzene
Concen: 0.207 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Tgt Ion: 119 Resp: 1551
Ion Ratio Lower Upper
119 100
91 86.3 27.9 83.7#
134 0.0 11.3 33.9#

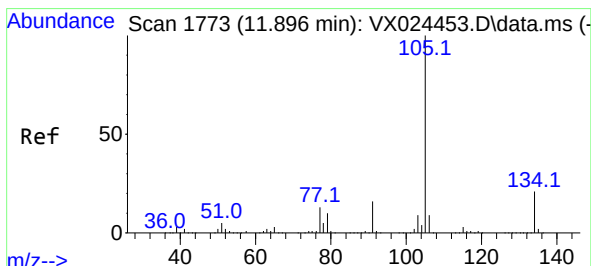
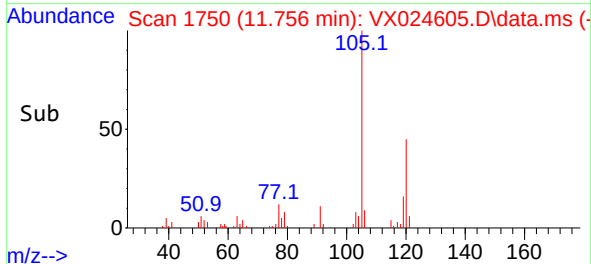
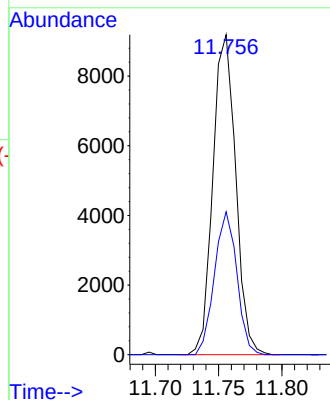
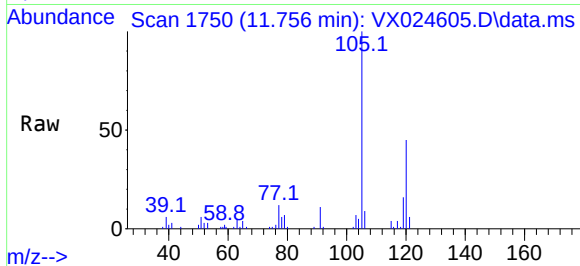




#84
1,2,4-Trimethylbenzene
Concen: 1.552 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

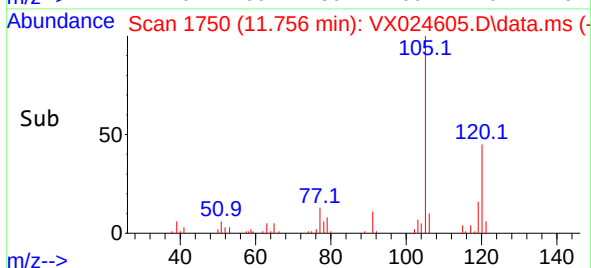
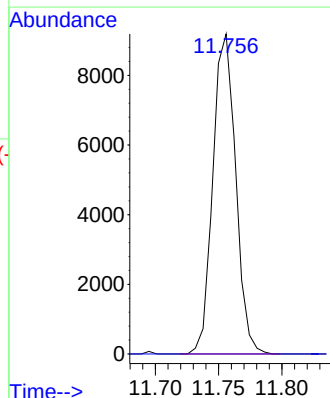
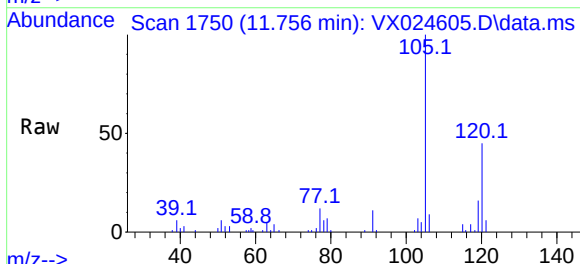
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW

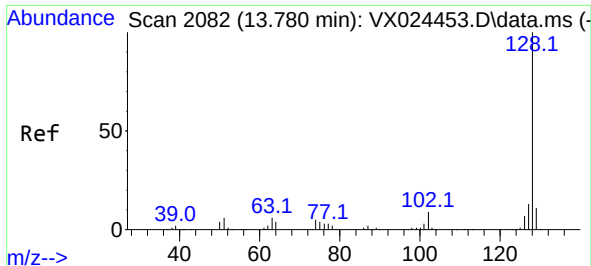
Tgt Ion:105 Resp: 11517
Ion Ratio Lower Upper
105 100
120 43.8 22.4 67.3



#85
sec-Butylbenzene
Concen: 1.252 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

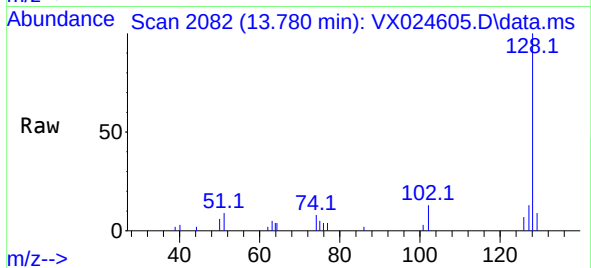
Tgt Ion:105 Resp: 11517
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#





#95
Naphthalene
Concen: 0.532 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024605.D
Acq: 06 Oct 2021 05:43

Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW11-GW



Tgt Ion:	128	Resp:	4591
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	9.1	8.8	13.2

