

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023913.D
 Acq On : 23 Aug 2021 21:11
 Operator : JC/MD
 Sample : M3520-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-GW-460-462

Quant Time: Aug 24 07:17:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

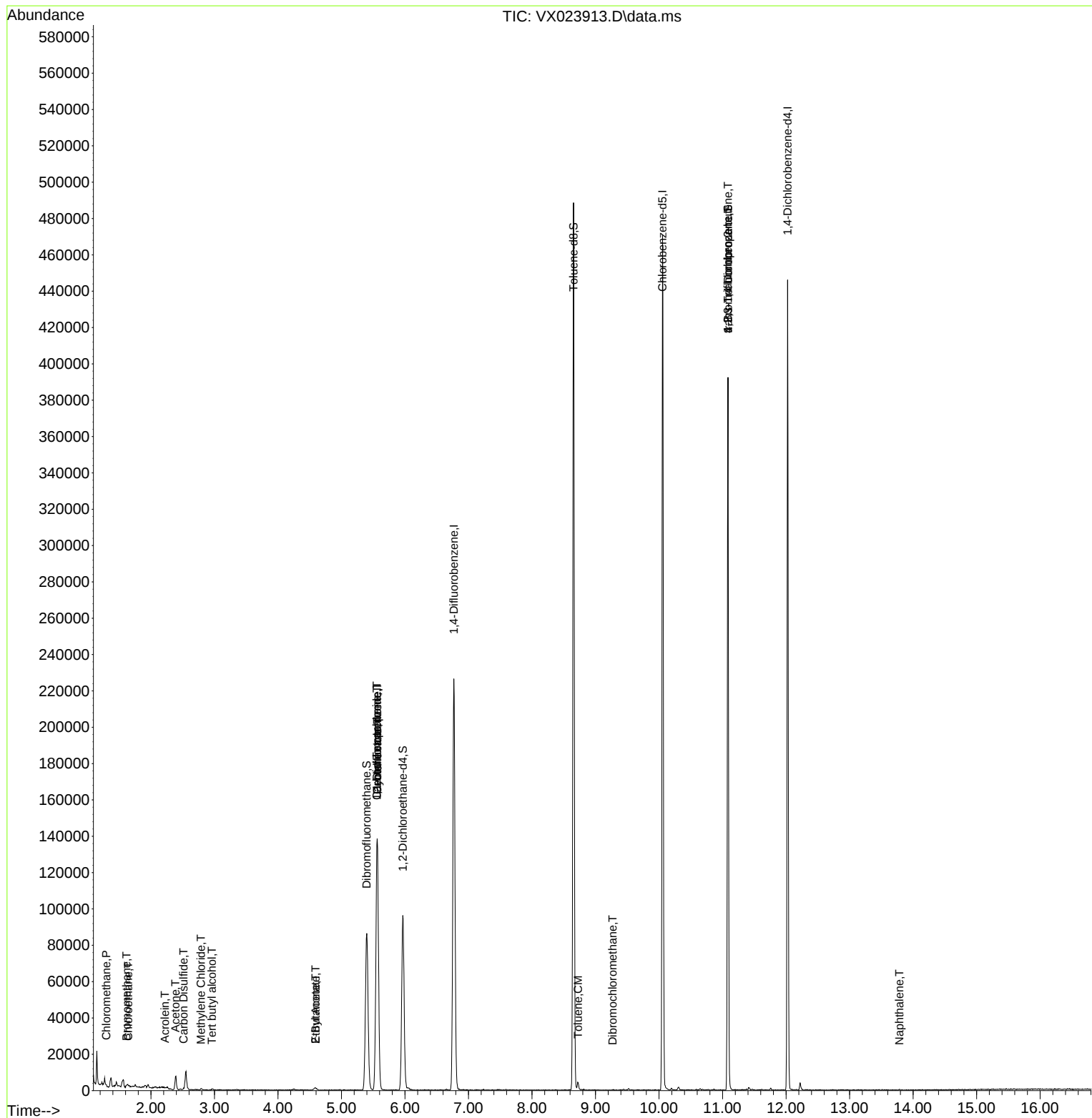
Internal Standards						
1) Pentafluorobenzene	5.562	168	130867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95152	52.096	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.200%			
35) Dibromofluoromethane	5.397	113	73933	50.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.240%			
50) Toluene-d8	8.653	98	271382	48.339	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.680%			
62) 4-Bromofluorobenzene	11.085	95	95323	46.123	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.240%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	449	0.296	ug/l #	85
5) Bromomethane	1.618	94	636	0.684	ug/l	98
6) Chloroethane	1.642	64	19	2.232	ug/l #	1
11) Tert butyl alcohol	2.959	59	387	1.048	ug/l #	73
13) Acrolein	2.221	56	75	0.341	ug/l #	52
16) Acetone	2.386	43	8089	9.905	ug/l #	86
17) Carbon Disulfide	2.514	76	961	0.321	ug/l #	75
20) Methylene Chloride	2.788	84	339	0.217	ug/l	88
25) 2-Butanone	4.593	43	2091	1.690	ug/l	98
31) Cyclohexane	5.562	56	2960	1.261	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	10375	5.027	ug/l #	50
37) Ethyl Acetate	4.593	43	2091	0.824	ug/l #	64
38) Carbon Tetrachloride	5.556	117	13728	6.379	ug/l #	17
52) Toluene	8.726	92	1356	0.343	ug/l	92
60) Dibromochloromethane	9.269	129	26	1.702	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	51716	25.219	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51716	74.182	ug/l #	12
95) Naphthalene	13.786	128	400	1.343	ug/l #	82

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

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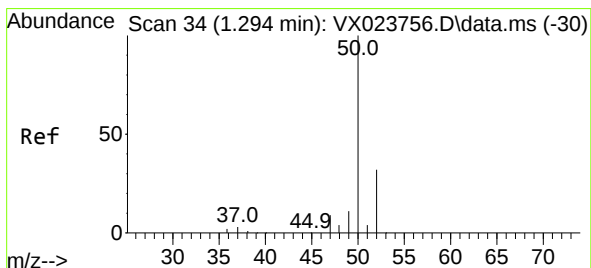
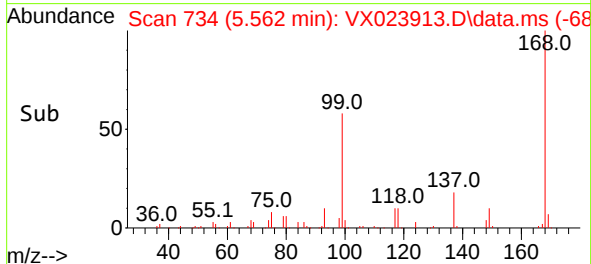
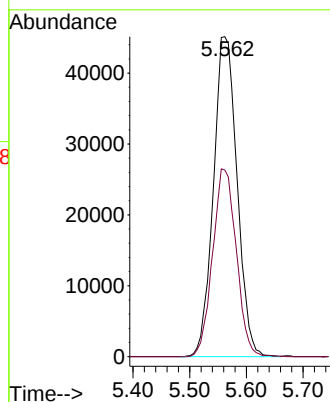
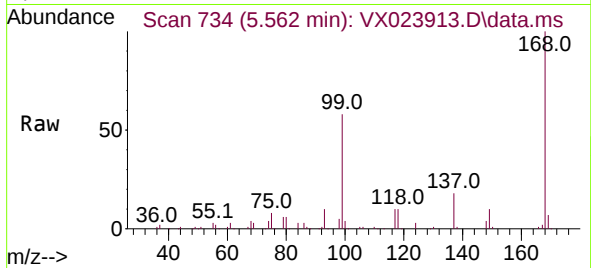




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

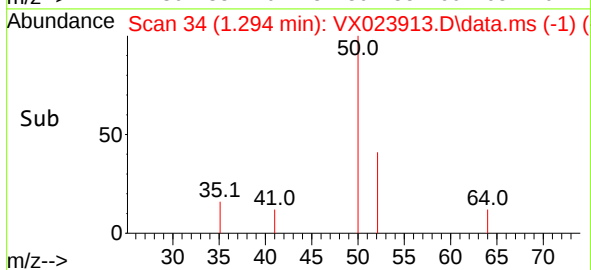
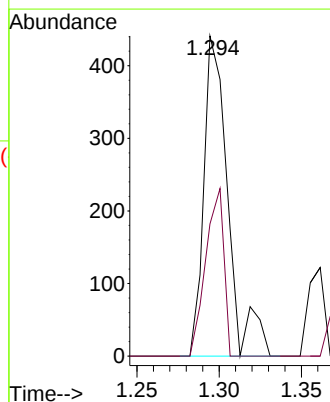
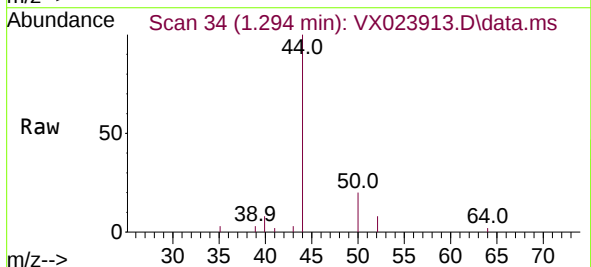
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

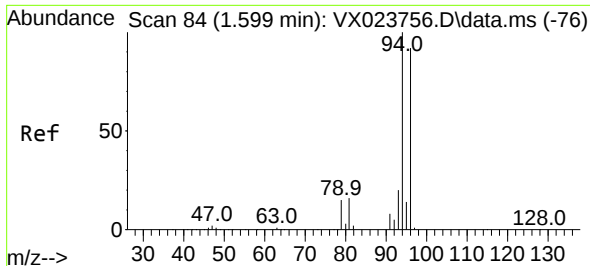
Tgt Ion:168 Resp: 130867
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#3
Chloromethane
Concen: 0.296 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 41.3 26.4 39.6#

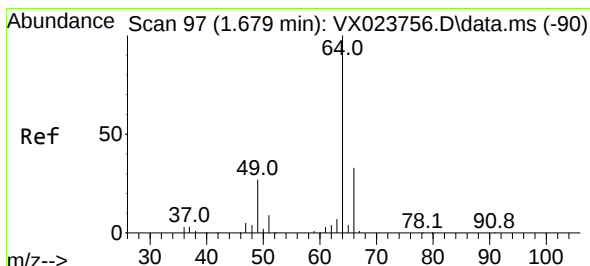
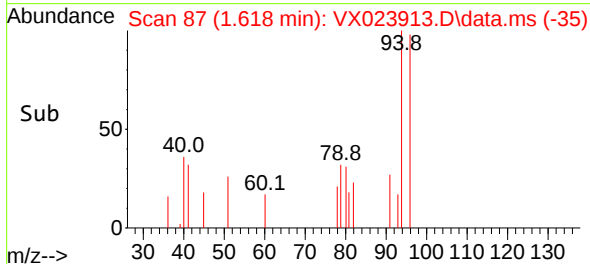
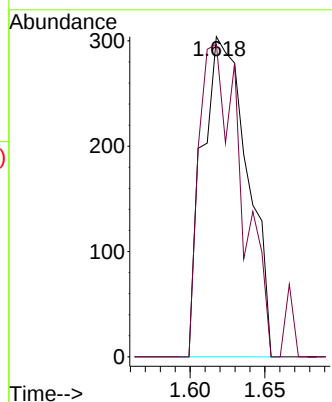
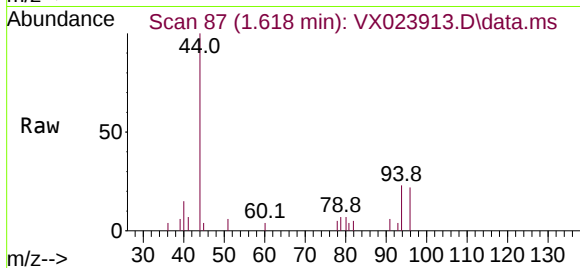




#5
Bromomethane
Concen: 0.684 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

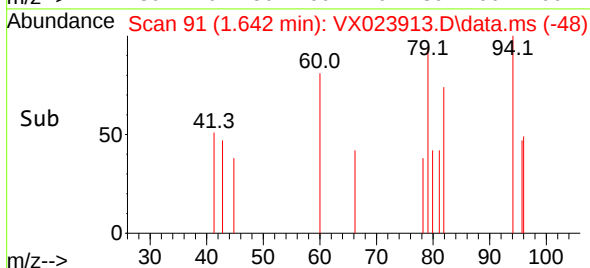
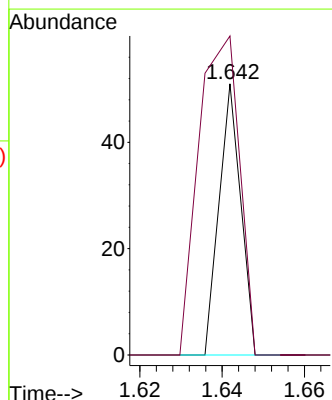
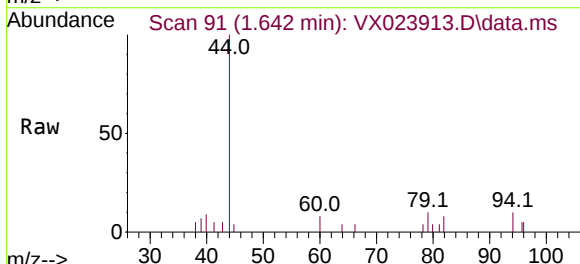
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

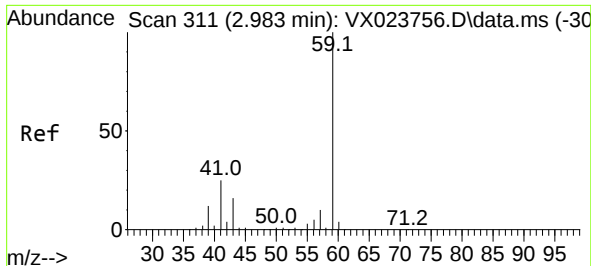
Tgt Ion: 94 Resp: 636
Ion Ratio Lower Upper
94 100
96 97.7 76.4 114.6



#6
Chloroethane
Concen: 2.232 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 117.6 25.4 38.0#

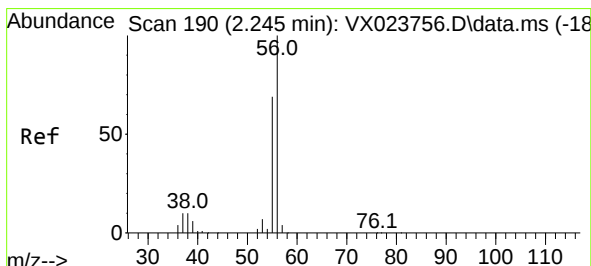
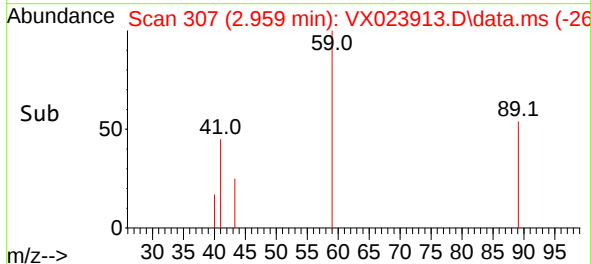
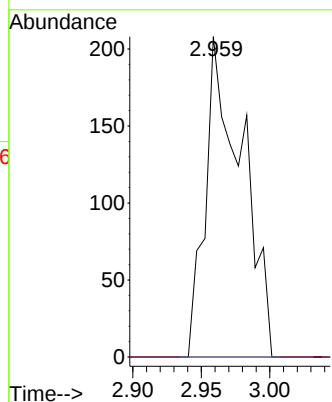
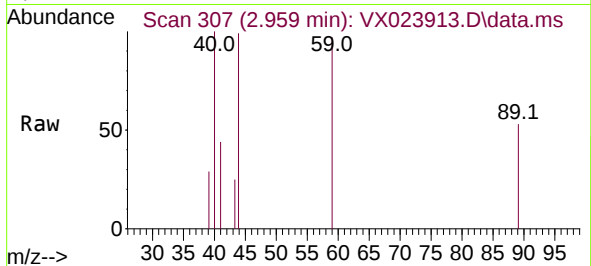




#11
Tert butyl alcohol
Concen: 1.048 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

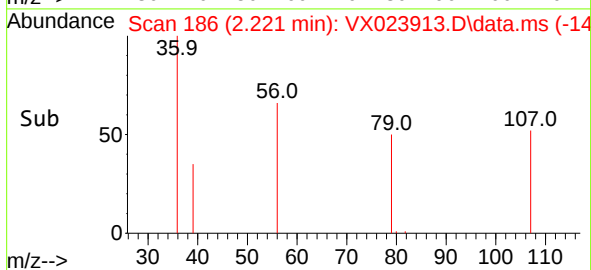
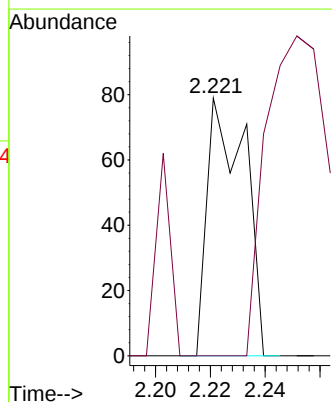
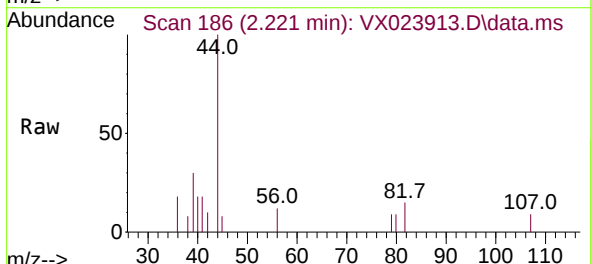
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

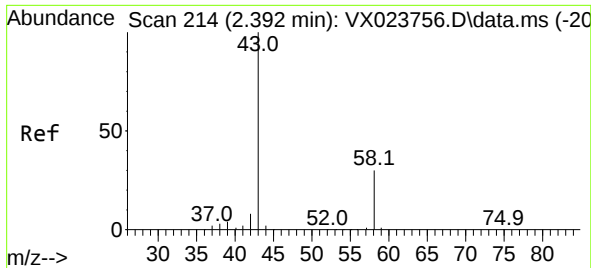
Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.341 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.024 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 30.7 56.4 84.6#

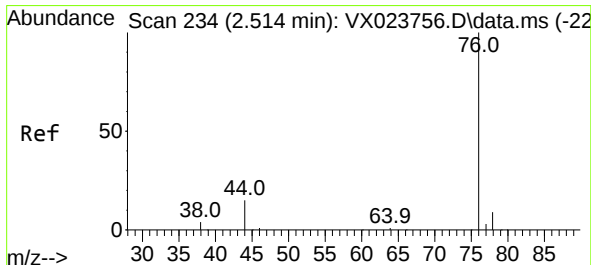
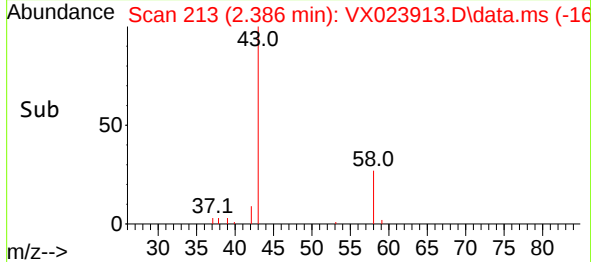
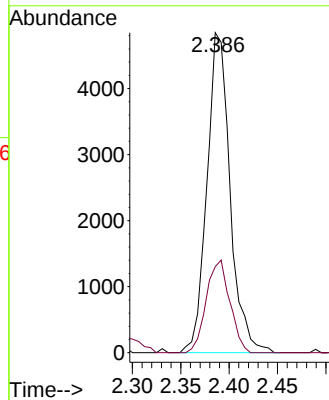
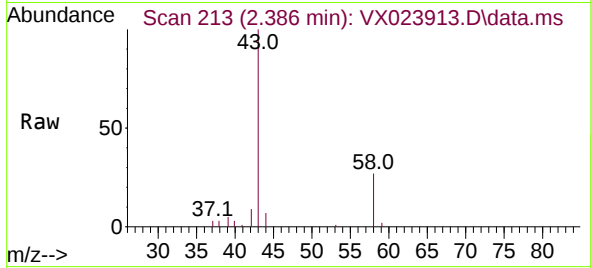




#16
Acetone
Concen: 9.905 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

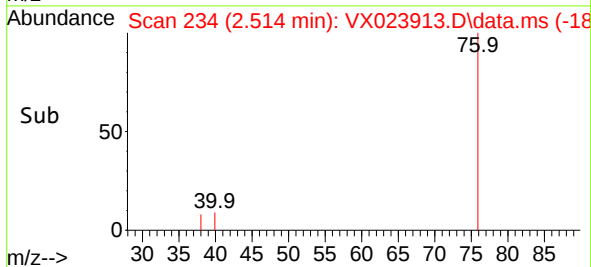
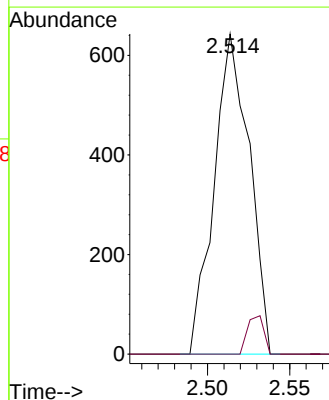
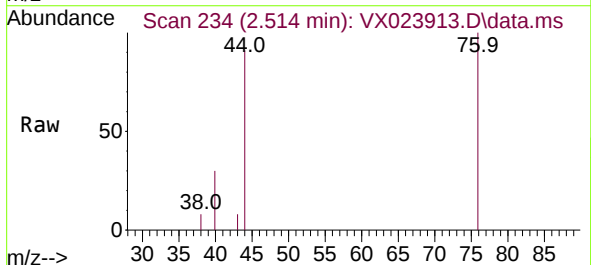
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

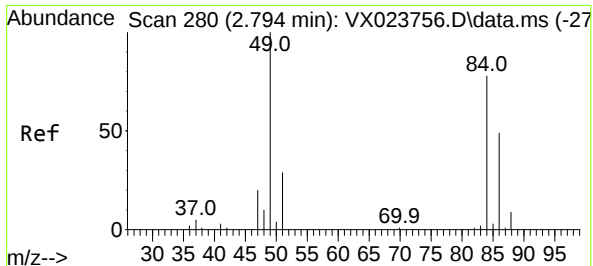
Tgt Ion: 43 Resp: 8089
Ion Ratio Lower Upper
43 100
58 26.9 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

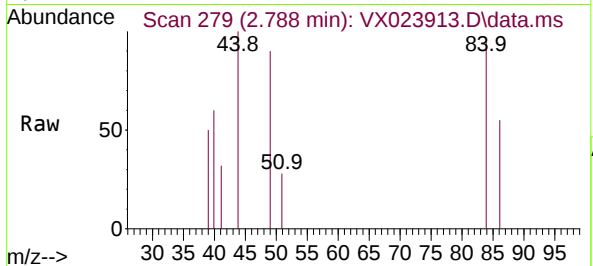
Tgt Ion: 76 Resp: 961
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



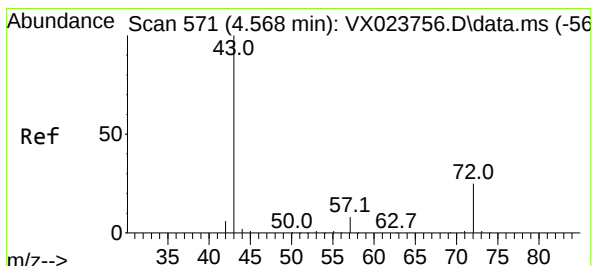
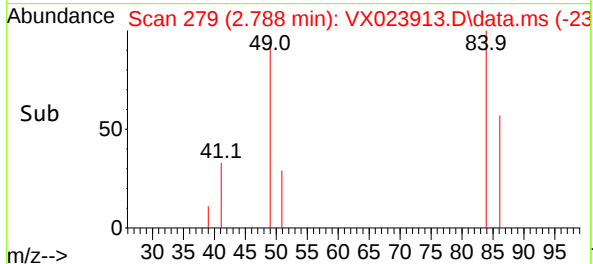
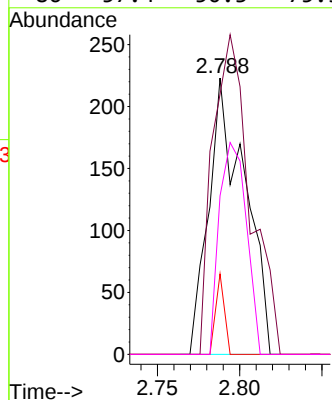


#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

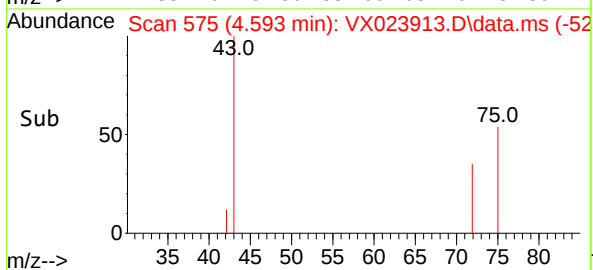
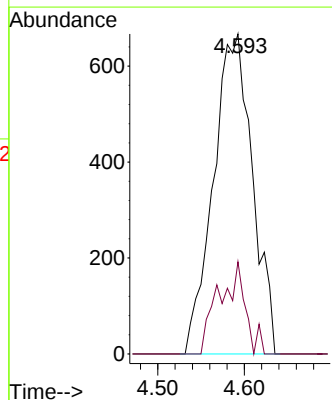
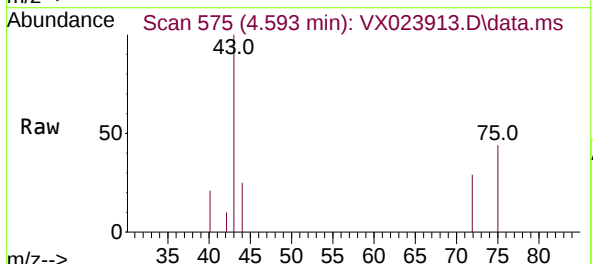


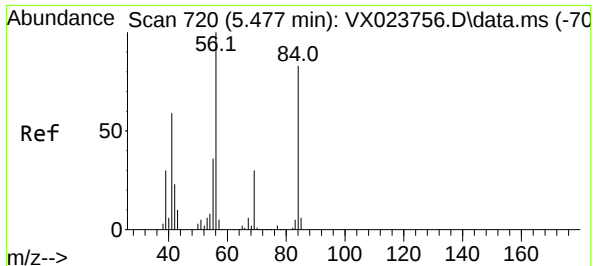
Tgt Ion: 84	Resp: 339
Ion Ratio	Lower Upper
84 100	
49 94.2	88.6 132.8
51 29.1	27.0 40.6
86 57.4	50.3 75.5



#25
2-Butanone
Concen: 1.690 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 43	Resp: 2091
Ion Ratio	Lower Upper
43 100	
72 28.8	23.7 35.5





#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023913.D

Acq: 23 Aug 2021 21:11

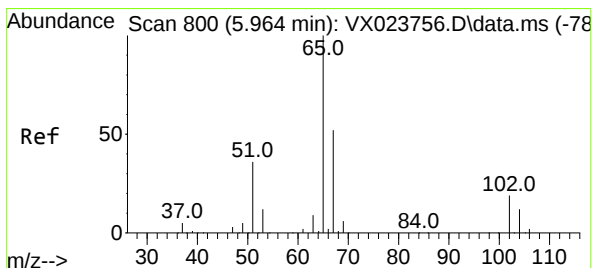
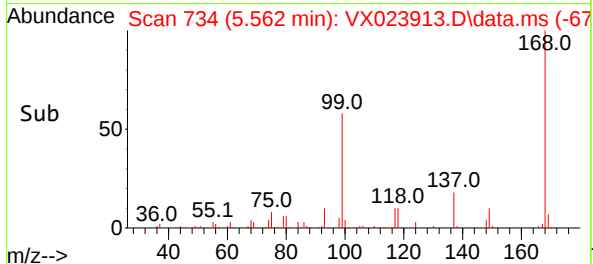
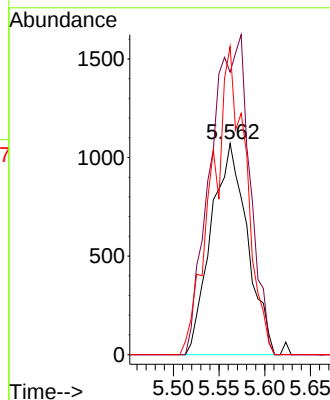
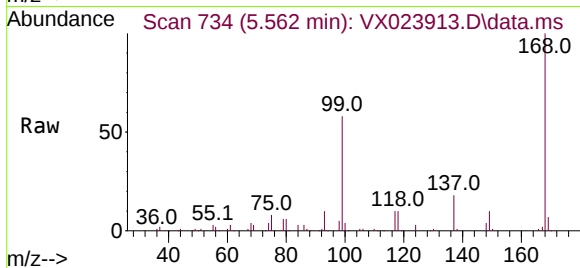
Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW7-GW-460-462

Tgt Ion:	56	Resp:	2960
Ion	Ratio	Lower	Upper
56	100		
69	133.8	25.3	37.9#
84	145.9	71.4	107.0#



#33

1,2-Dichloroethane-d4

Concen: 52.096 ug/l

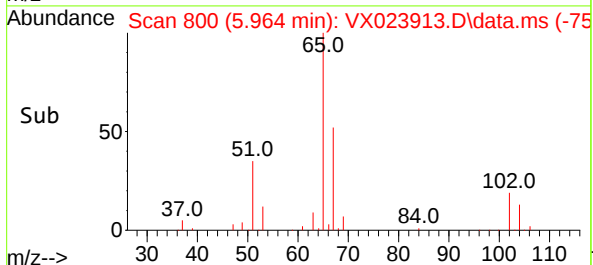
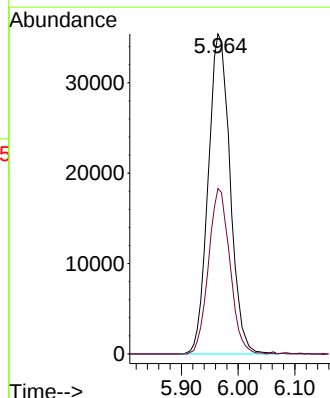
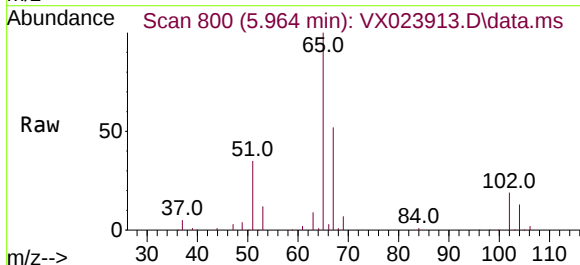
RT: 5.964 min Scan# 800

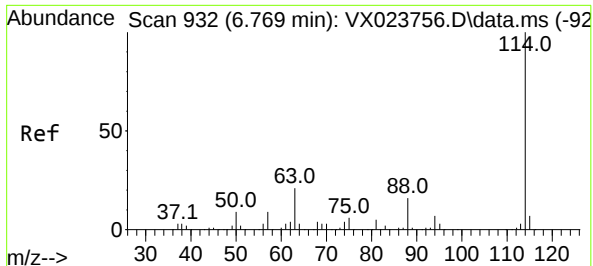
Delta R.T. 0.000 min

Lab File: VX023913.D

Acq: 23 Aug 2021 21:11

Tgt Ion:	65	Resp:	95152
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	105.4

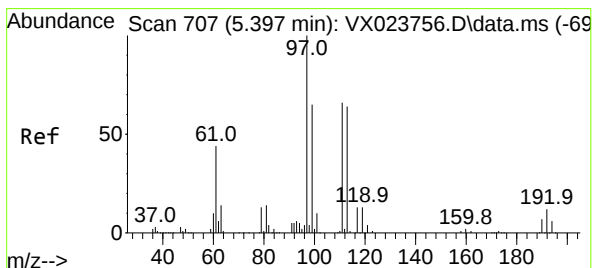
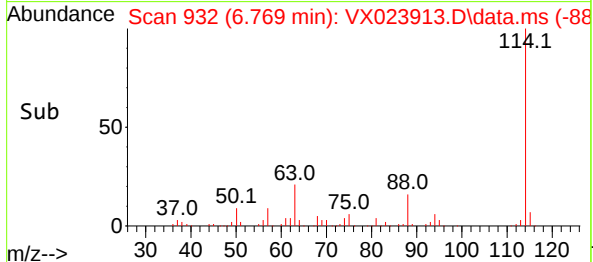
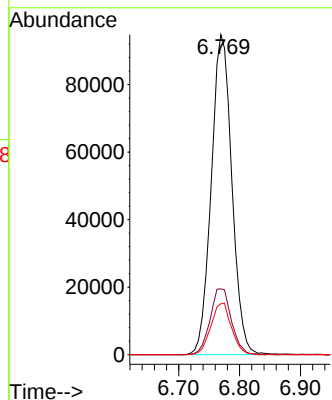
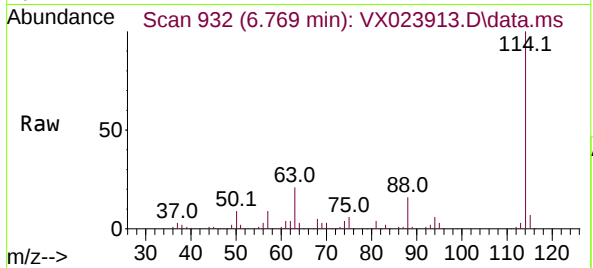




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

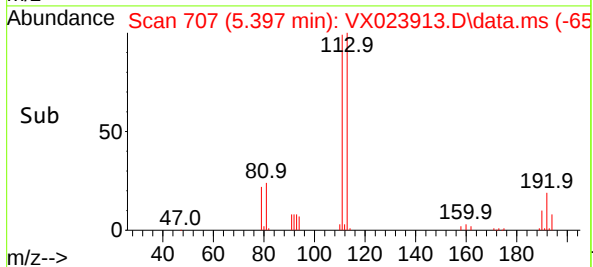
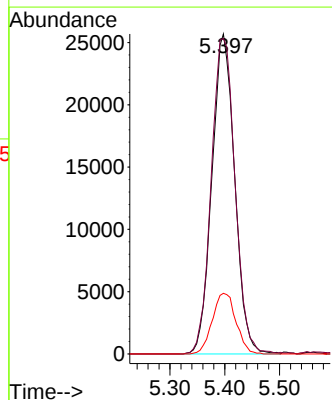
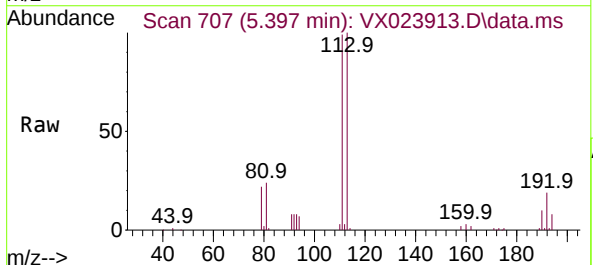
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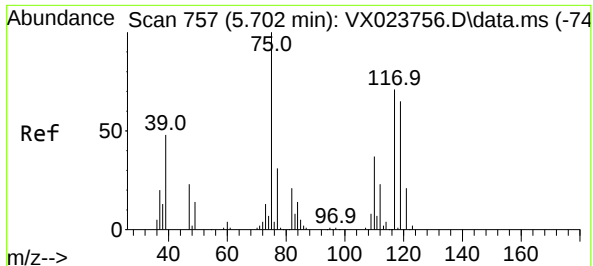
Tgt Ion:114 Resp: 222860
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.122 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion:113 Resp: 73933
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023913.D

Acq: 23 Aug 2021 21:11

Tgt Ion: 75 Resp: 10375

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

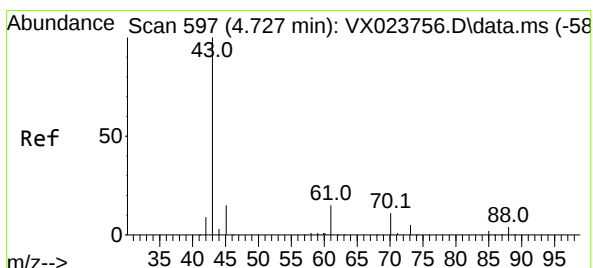
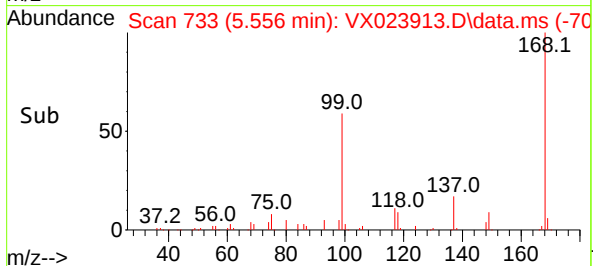
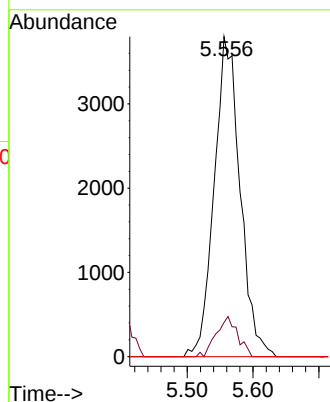
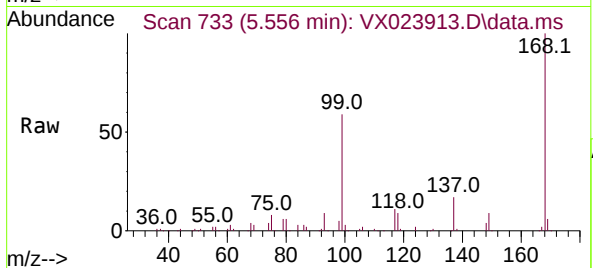
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW7-GW-460-462



#37

Ethyl Acetate

Concen: 0.824 ug/l

RT: 4.593 min Scan# 575

Delta R.T. -0.134 min

Lab File: VX023913.D

Acq: 23 Aug 2021 21:11

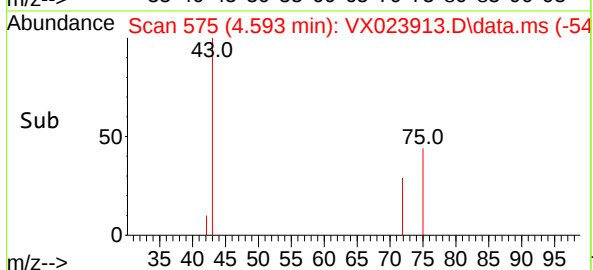
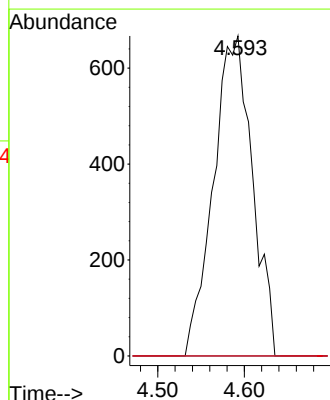
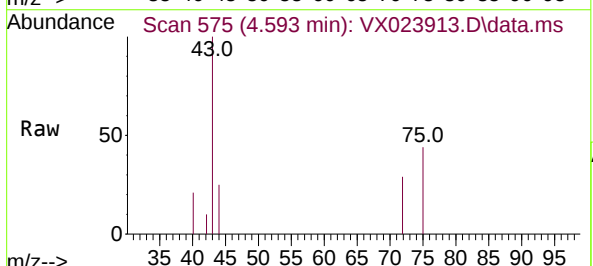
Tgt Ion: 43 Resp: 2091

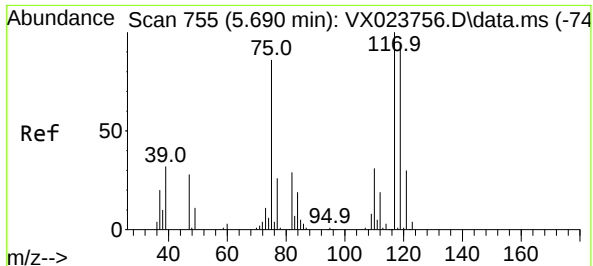
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

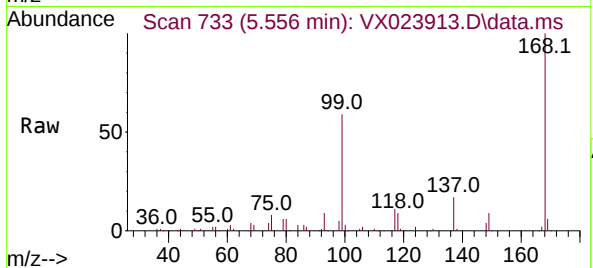
70 0.0 10.5 15.7#



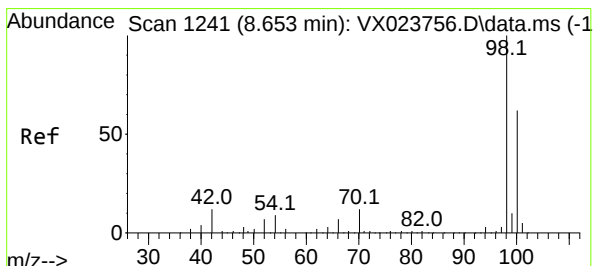
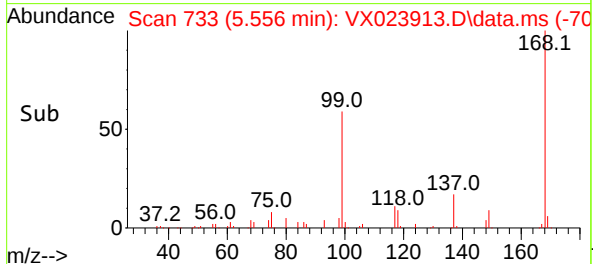
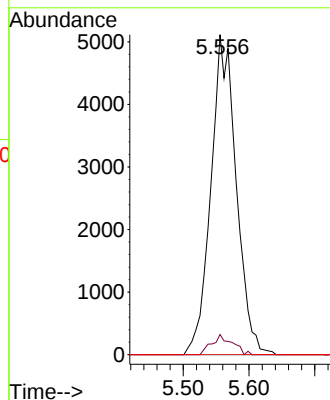


#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

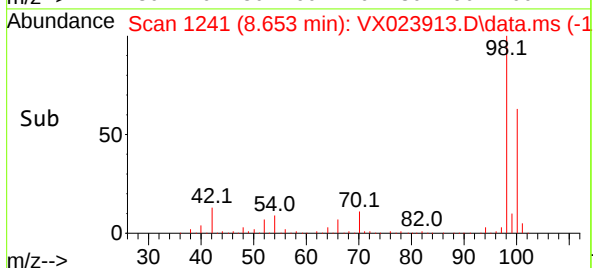
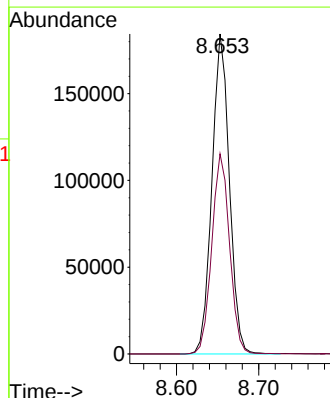
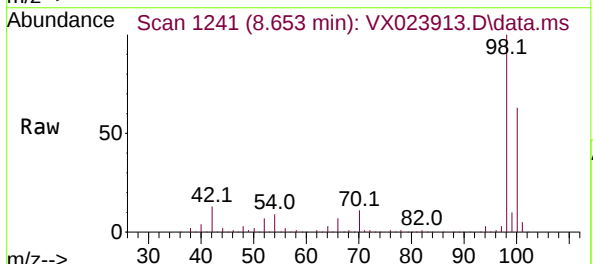


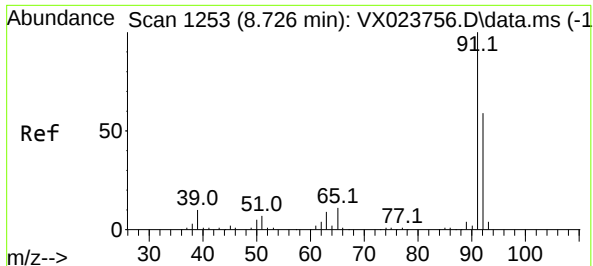
Tgt Ion:117 Resp: 13728
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.339 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 98 Resp: 271382
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

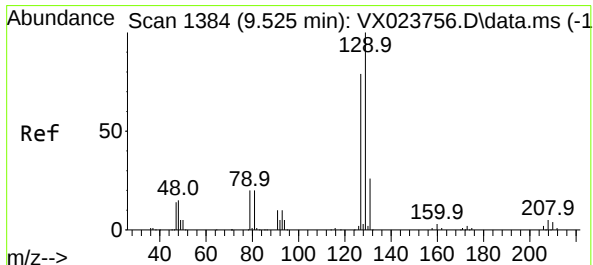
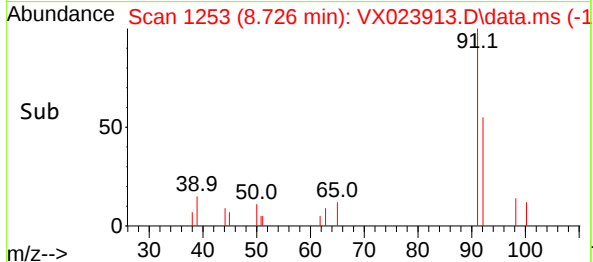
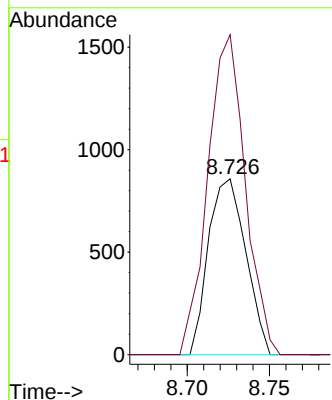
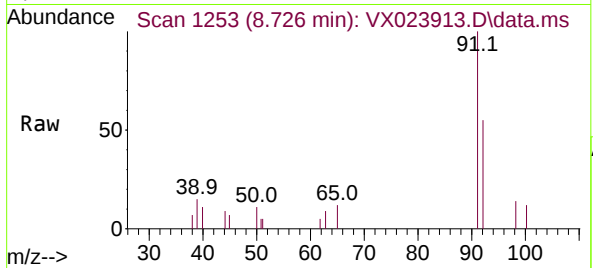




#52
Toluene
Concen: 0.343 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

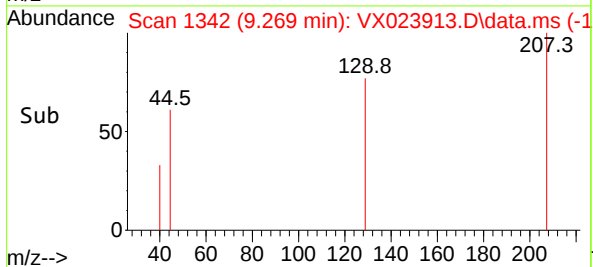
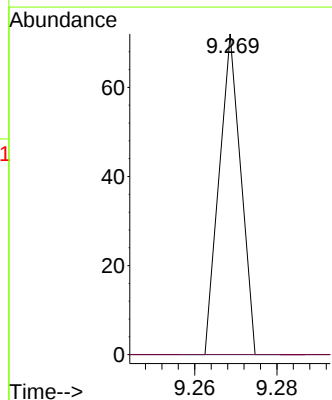
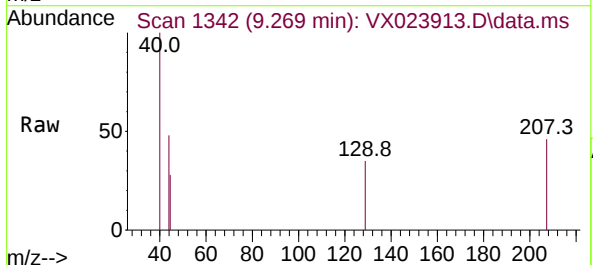
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

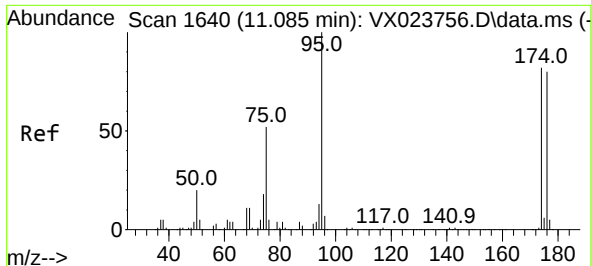
Tgt Ion: 92 Resp: 1356
Ion Ratio Lower Upper
92 100
91 182.7 137.1 205.7



#60
Dibromochloromethane
Concen: 1.702 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

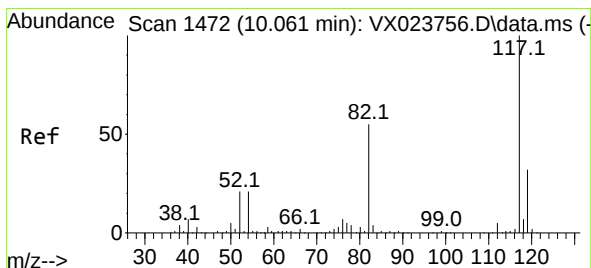
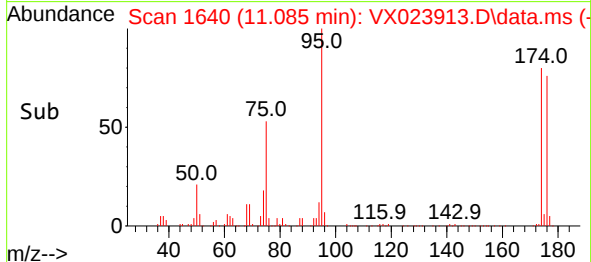
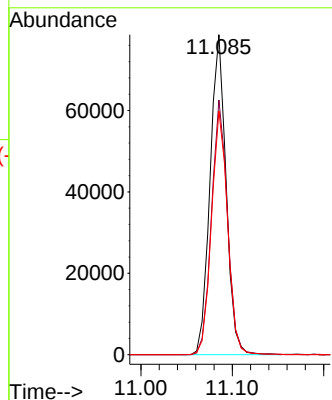
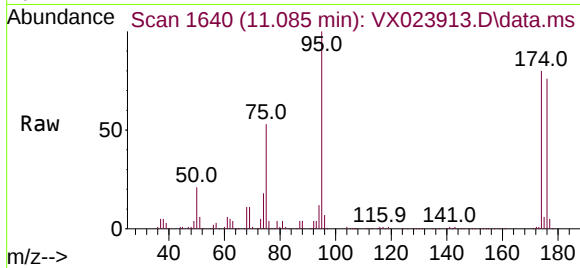




#62
4-Bromofluorobenzene
Concen: 46.123 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

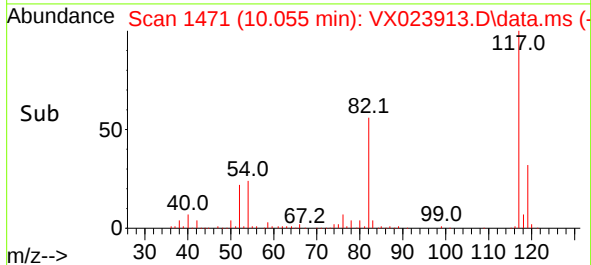
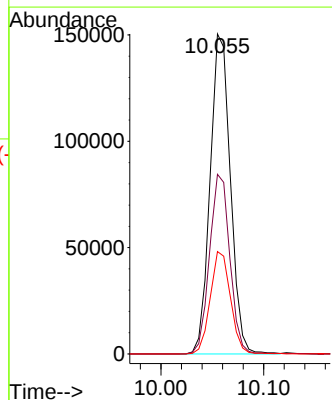
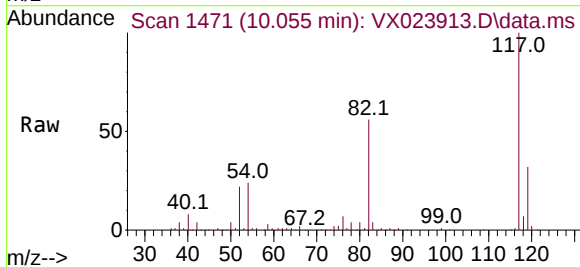
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

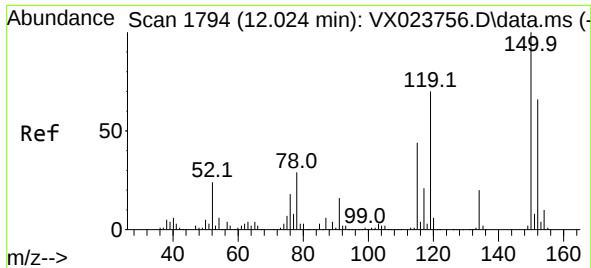
Tgt Ion:	95	Resp:	95323
Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	154.6
176	76.7	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion:	117	Resp:	206657
Ion	Ratio	Lower	Upper
117	100		
82	56.2	47.4	71.2
119	32.0	26.6	39.8

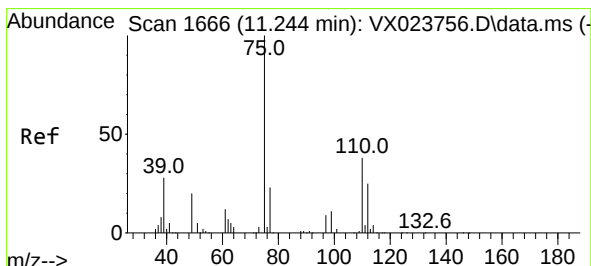
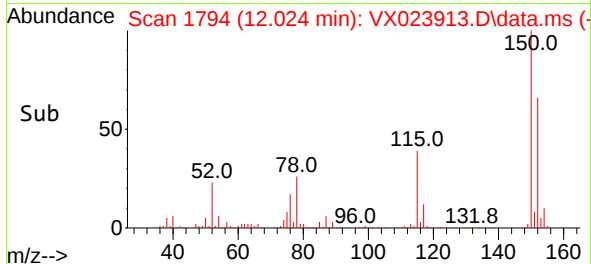
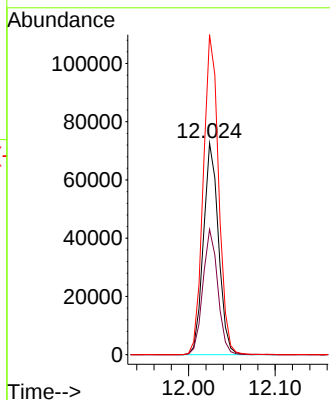
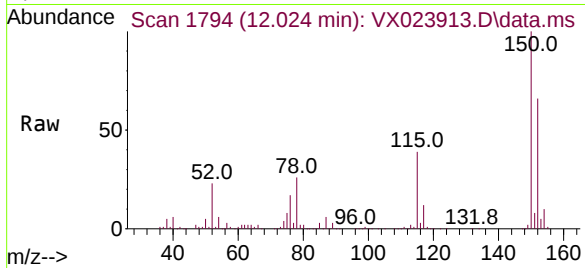




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

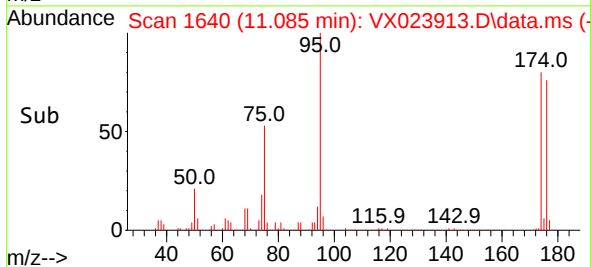
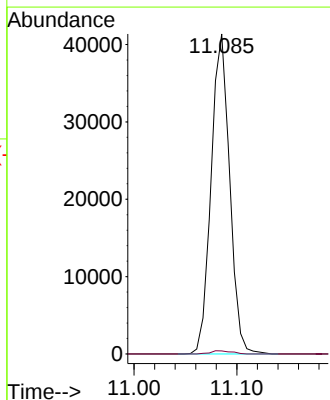
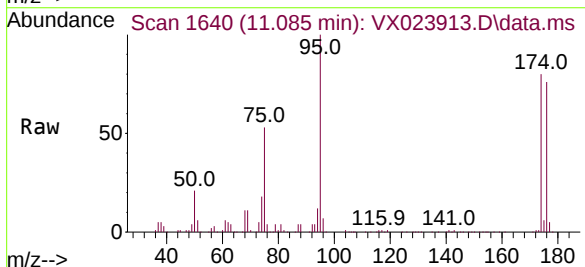
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

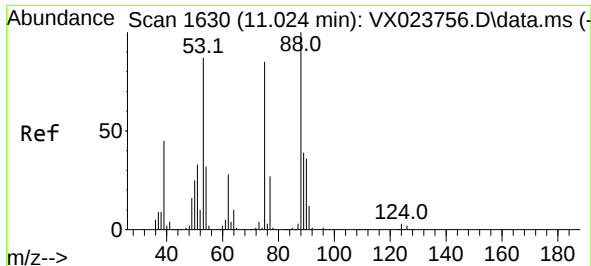
Tgt Ion:152 Resp: 87909
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 154.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.219 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 75 Resp: 51716
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

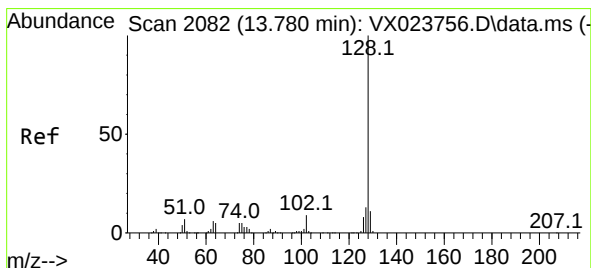
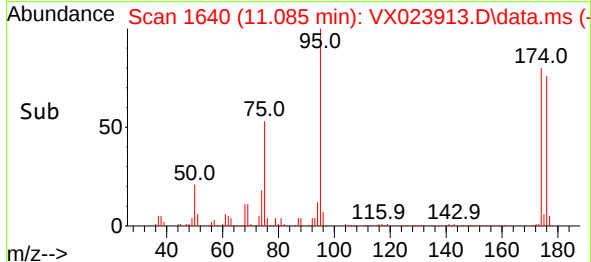
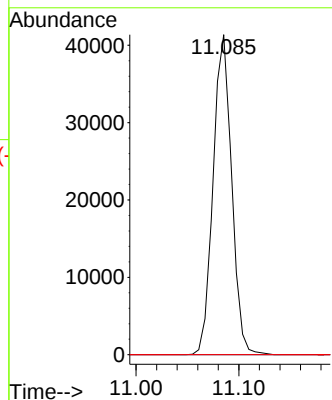
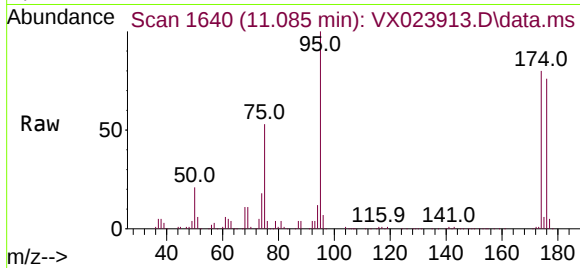




#81
trans-1,4-Dichloro-2-butene
Concen: 74.182 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-460-462

Tgt Ion: 75 Resp: 51716
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.343 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023913.D
Acq: 23 Aug 2021 21:11

Tgt Ion: 128 Resp: 400
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 10.5 8.8 13.2

