

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090221\
 Data File : VX024078.D
 Acq On : 02 Sep 2021 18:22
 Operator : JC/MD
 Sample : M3620-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-GW-660-662

Quant Time: Sep 03 05:40:36 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)

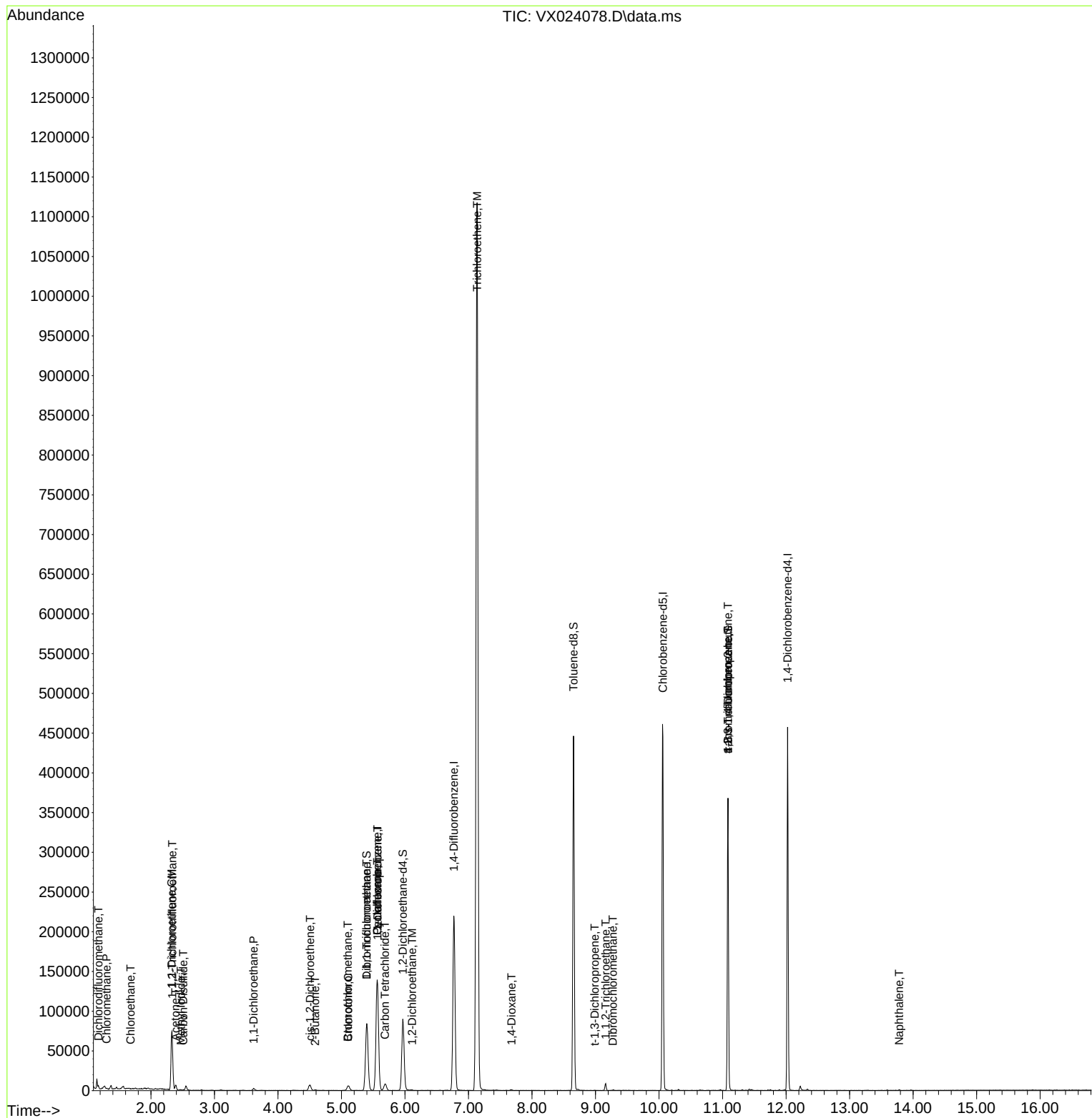
Internal Standards						
1) Pentafluorobenzene	5.562	168	129660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	218774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	208592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	89229	49.308	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.620%
35) Dibromofluoromethane	5.397	113	68548	47.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.680%
50) Toluene-d8	8.653	98	253975	46.083	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.160%
62) 4-Bromofluorobenzene	11.085	95	89562	44.145	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	1571	1.148	ug/l	98
3) Chloromethane	1.300	50	439	0.292	ug/l	93
6) Chloroethane	1.678	64	92	2.289	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	15666	12.037	ug/l	96
10) Methyl Iodide	2.471	142	1067	0.589	ug/l #	86
12) 1,1-Dichloroethene	2.325	96	14304	11.495	ug/l	98
16) Acetone	2.386	43	7208	8.908	ug/l #	83
17) Carbon Disulfide	2.507	76	853	0.287	ug/l #	75
24) 1,1-Dichloroethane	3.617	63	2708	1.065	ug/l #	81
25) 2-Butanone	4.586	43	1156	0.943	ug/l #	76
27) cis-1,2-Dichloroethene	4.507	96	4209	2.661	ug/l	90
28) Bromochloromethane	5.098	49	641	0.555	ug/l #	9
30) Chloroform	5.105	83	7253	2.695	ug/l	86
31) Cyclohexane	5.562	56	3283	1.412	ug/l #	48
32) 1,1,1-Trichloroethane	5.397	97	2195	0.952	ug/l #	50
36) 1,1-Dichloropropene	5.568	75	10451	5.158	ug/l #	45
38) Carbon Tetrachloride	5.684	117	7547	3.572	ug/l	87
42) 1,2-Dichloroethane	6.111	62	864	0.367	ug/l #	73
44) Trichloroethene	7.135	130	421911	254.944	ug/l	100
49) 1,4-Dioxane	7.677	88	656	16.334	ug/l #	92
53) t-1,3-Dichloropropene	8.988	75	56	2.158	ug/l #	44
55) 1,1,2-Trichloroethane	9.159	97	2061	1.290	ug/l	98
60) Dibromochloromethane	9.275	129	50	1.715	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	49756	24.011	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49756	70.630	ug/l #	12
95) Naphthalene	13.780	128	817	1.405	ug/l #	76

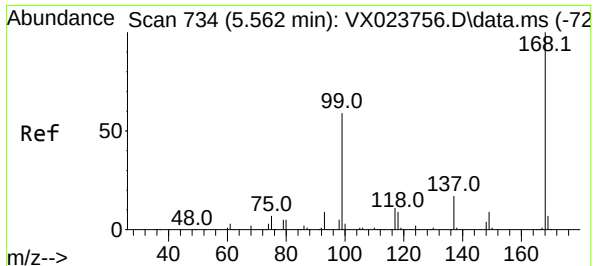
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 11:57:51 2021
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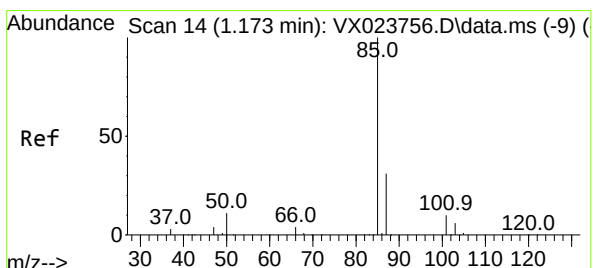
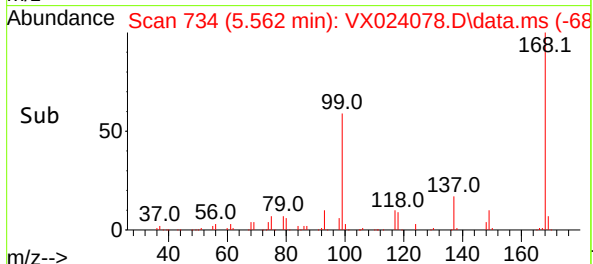
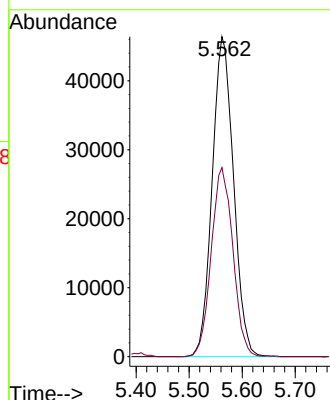
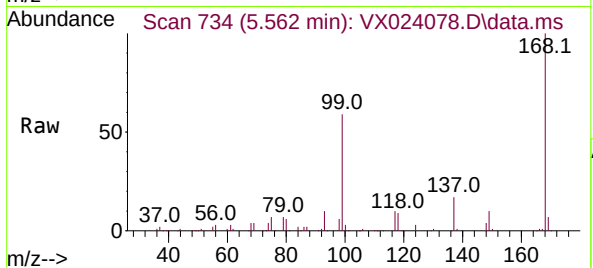




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

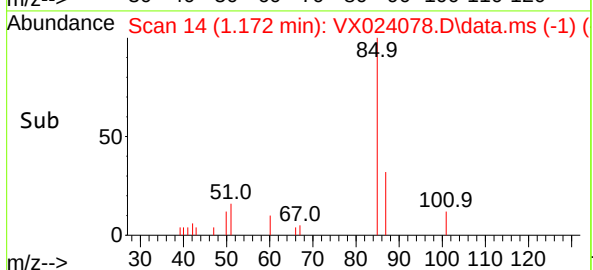
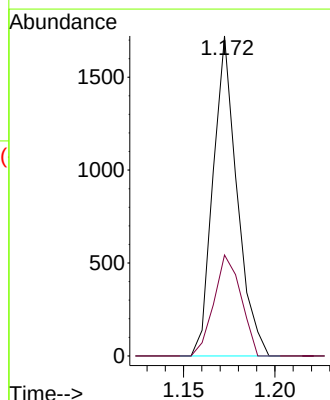
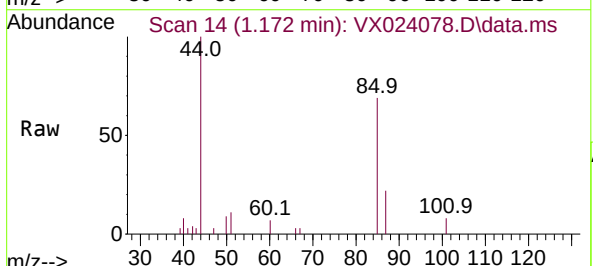
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

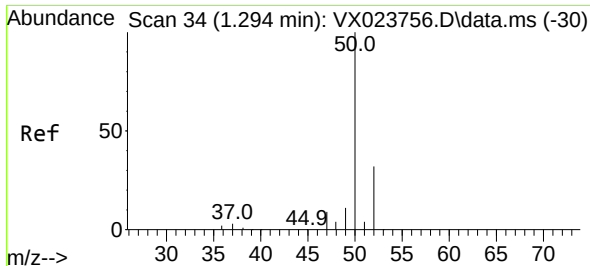
Tgt Ion:168 Resp: 129660
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.148 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 85 Resp: 1571
Ion Ratio Lower Upper
85 100
87 31.5 16.4 49.2

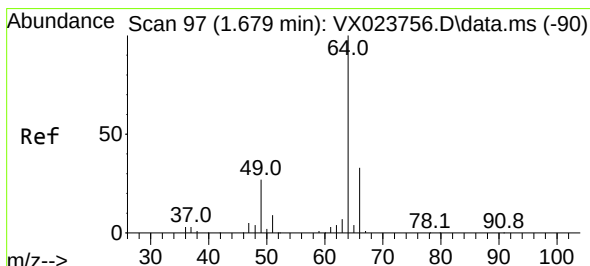
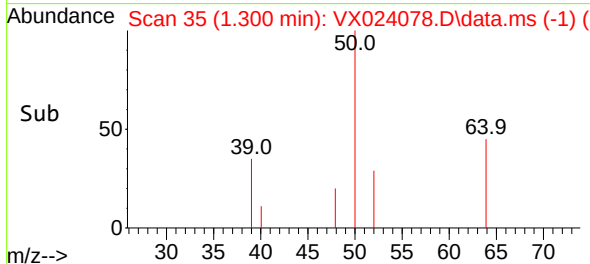
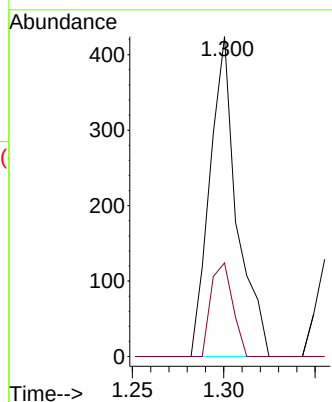
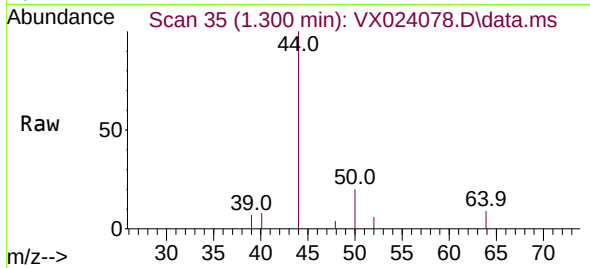




#3
Chloromethane
Concen: 0.292 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

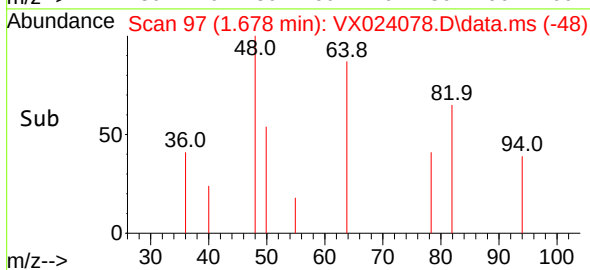
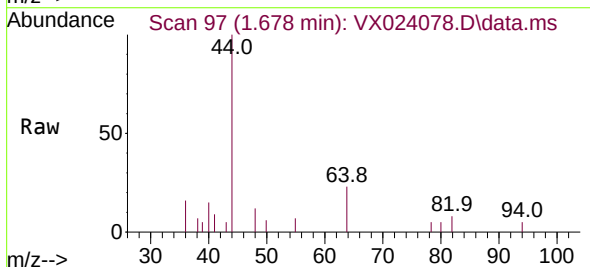
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

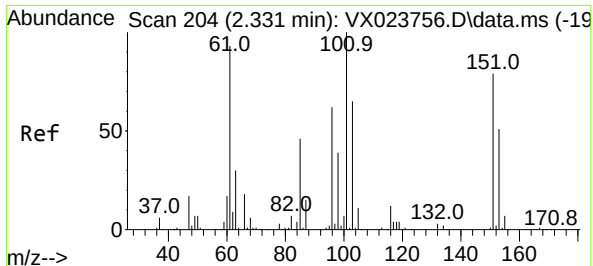
Tgt Ion: 50 Resp: 439
Ion Ratio Lower Upper
50 100
52 29.2 26.4 39.6



#6
Chloroethane
Concen: 2.289 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

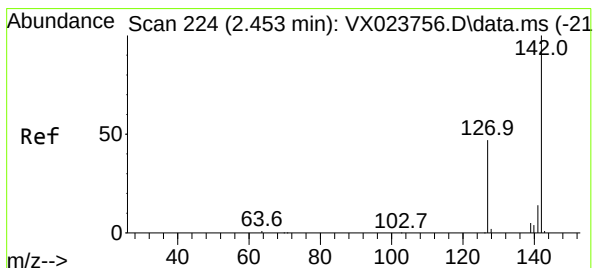
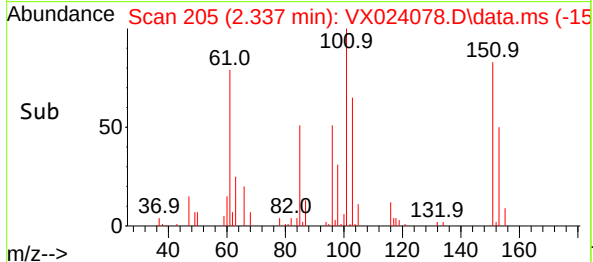
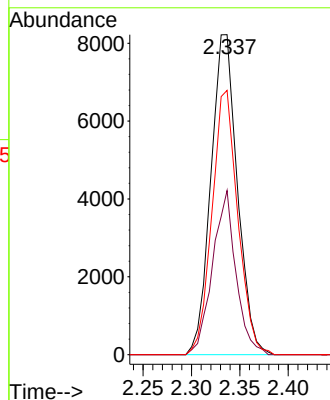
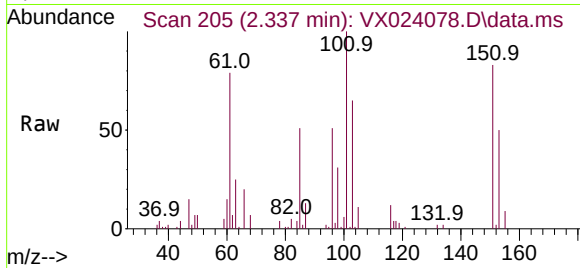




#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.037 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

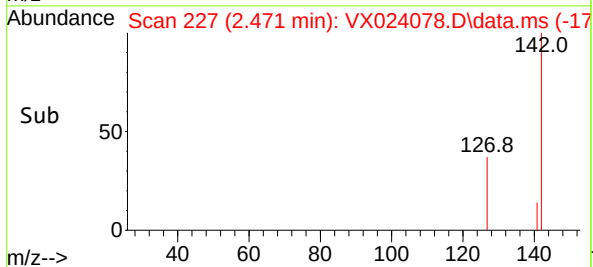
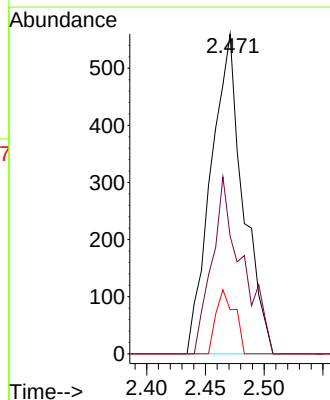
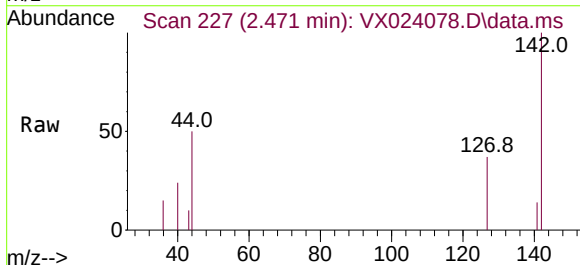
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

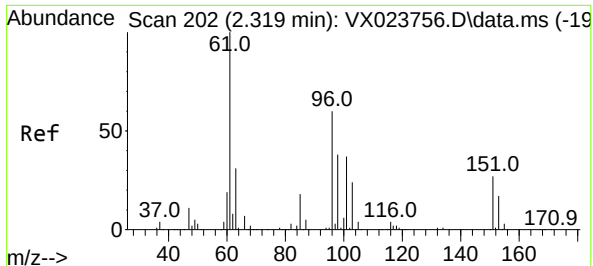
Tgt Ion:101 Resp: 15666
Ion Ratio Lower Upper
101 100
85 45.3 34.9 52.3
151 80.4 61.4 92.2



#10
Methyl Iodide
Concen: 0.589 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion:142 Resp: 1067
Ion Ratio Lower Upper
142 100
127 51.7 33.3 49.9#
141 11.5 11.4 17.0





#12

1,1-Dichloroethene

Concen: 11.495 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024078.D

Acq: 02 Sep 2021 18:22

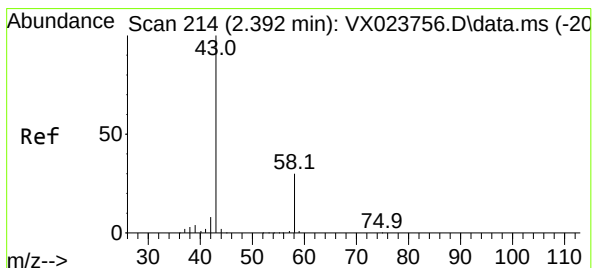
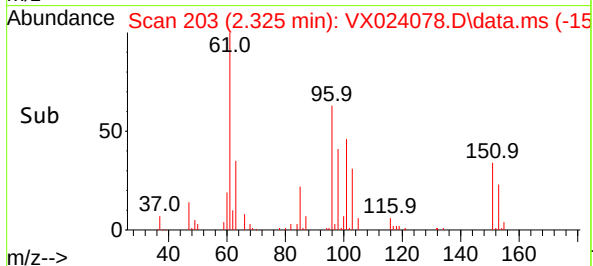
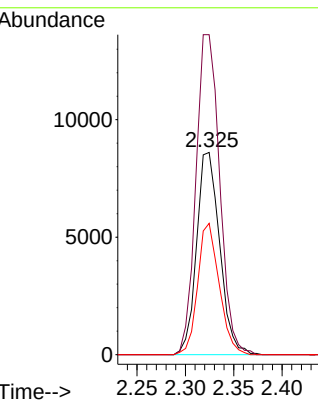
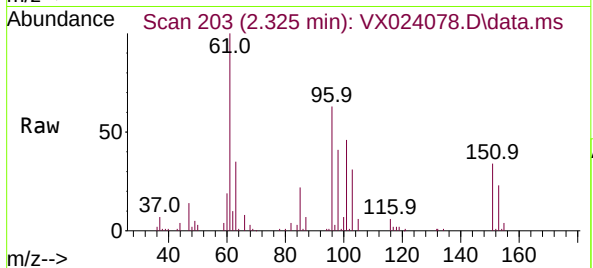
Tgt Ion: 96 Resp: 14304

Ion Ratio Lower Upper

96 100

61 158.2 124.6 187.0

98 64.9 50.6 76.0



#16

Acetone

Concen: 8.908 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX024078.D

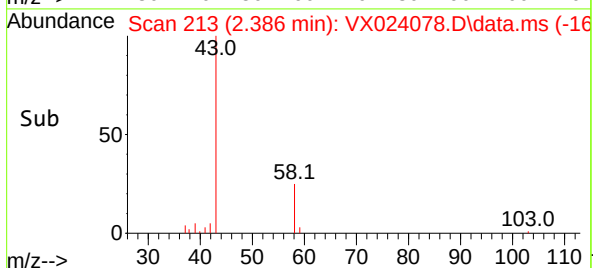
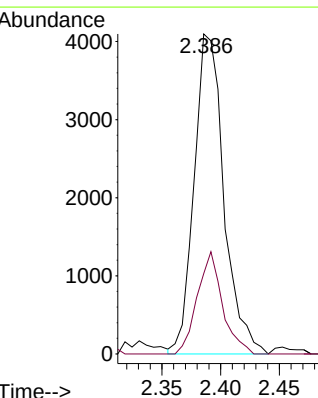
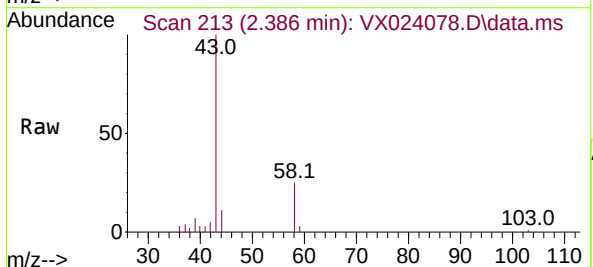
Acq: 02 Sep 2021 18:22

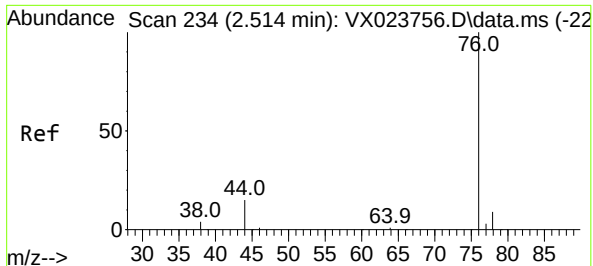
Tgt Ion: 43 Resp: 7208

Ion Ratio Lower Upper

43 100

58 25.1 27.8 41.8#





#17

Carbon Disulfide

Concen: 0.287 ug/l

RT: 2.507 min Scan# 233

Delta R.T. -0.006 min

Lab File: VX024078.D

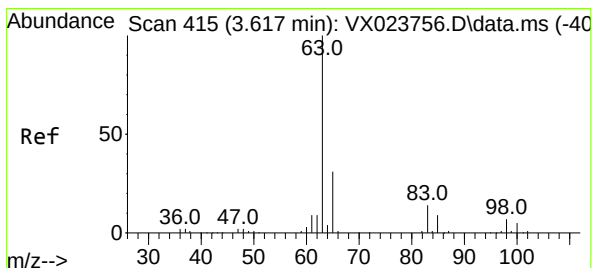
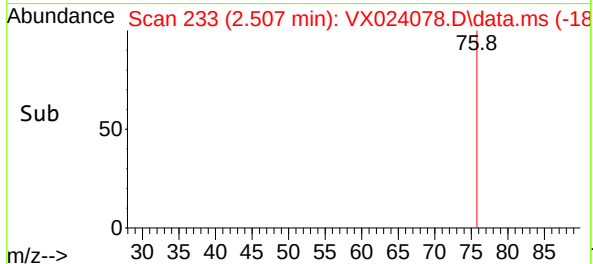
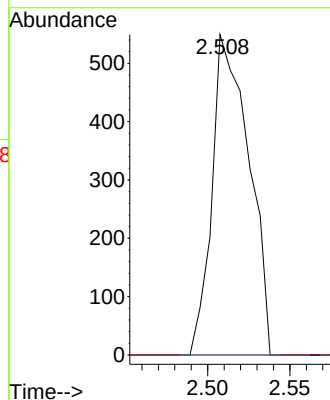
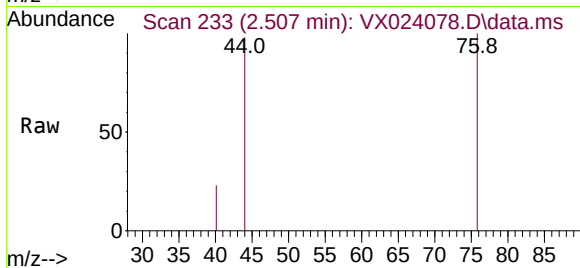
Acq: 02 Sep 2021 18:22

Tgt Ion: 76 Resp: 853

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#24

1,1-Dichloroethane

Concen: 1.065 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX024078.D

Acq: 02 Sep 2021 18:22

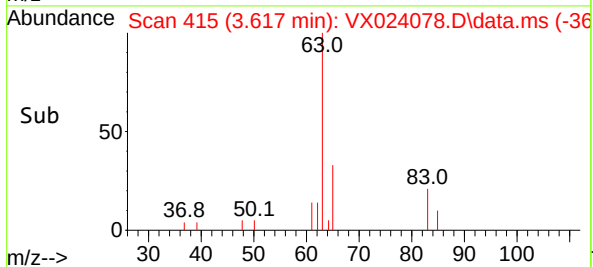
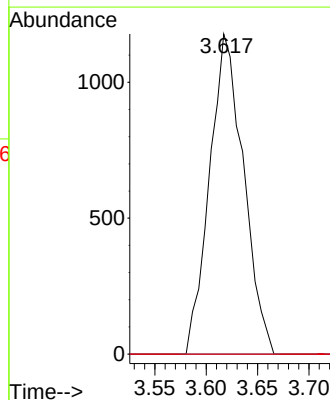
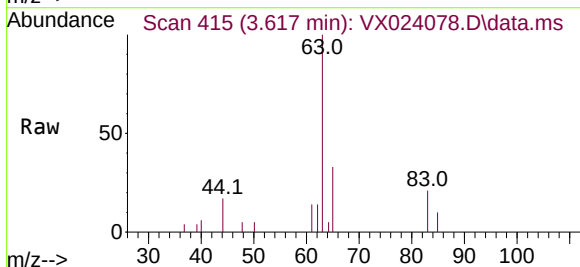
Tgt Ion: 63 Resp: 2708

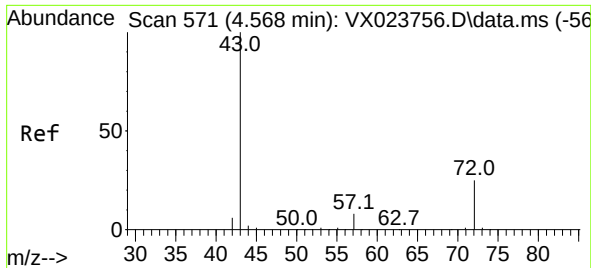
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#

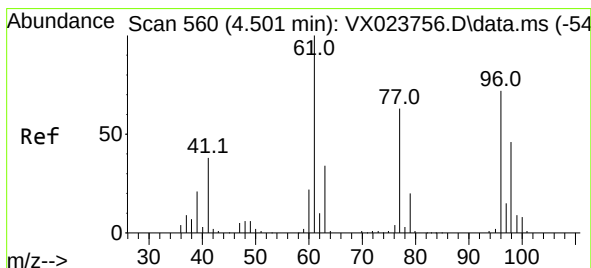
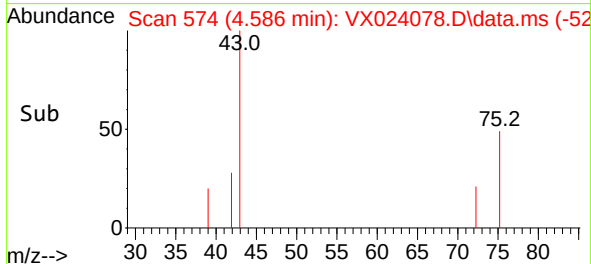
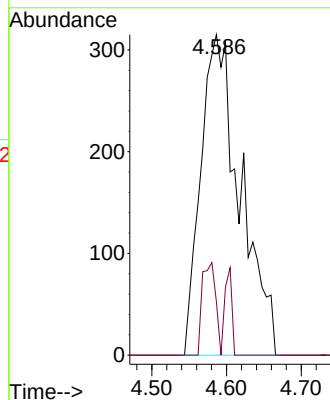
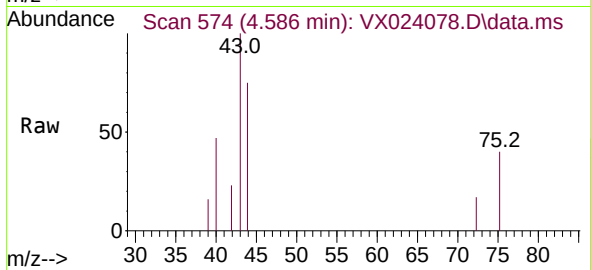




#25
2-Butanone
Concen: 0.943 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

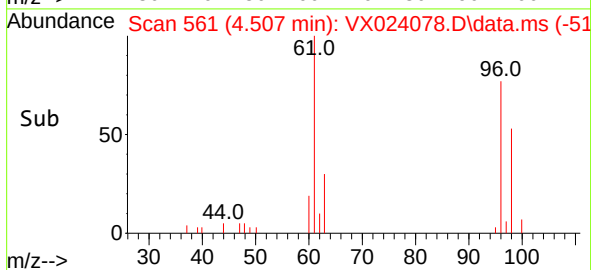
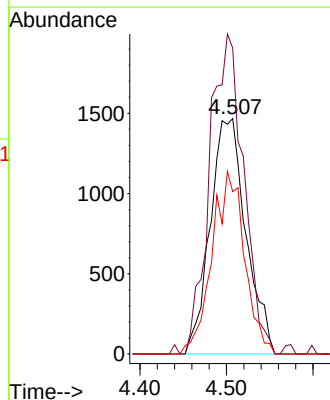
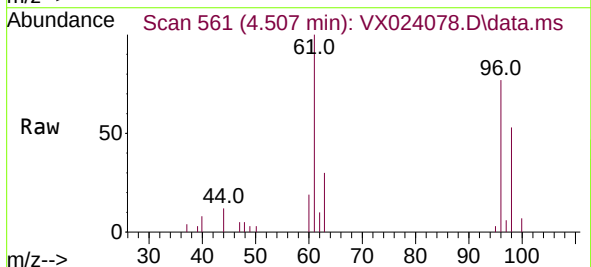
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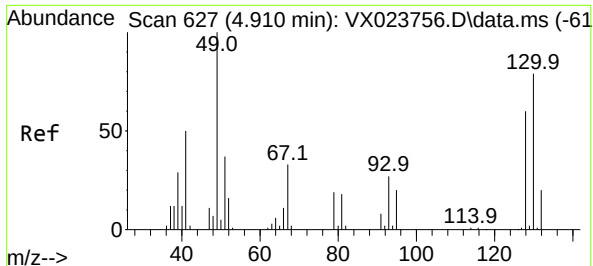
Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
72 16.8 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 2.661 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 96 Resp: 4209
Ion Ratio Lower Upper
96 100
61 129.4 0.0 285.6
98 70.3 0.0 129.6





#28

Bromochloromethane

Concen: 0.555 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.188 min

Lab File: VX024078.D

Acq: 02 Sep 2021 18:22

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW7-GW-660-662

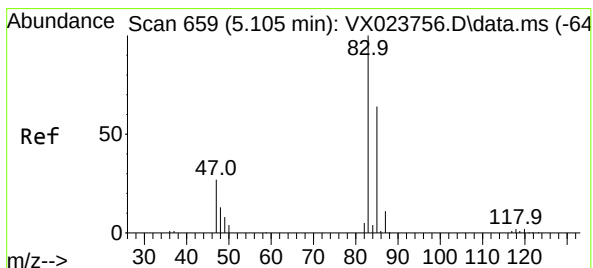
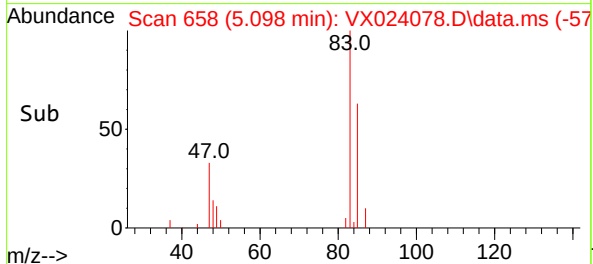
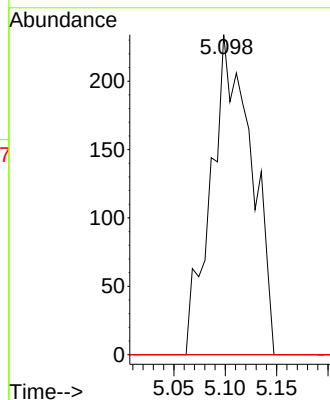
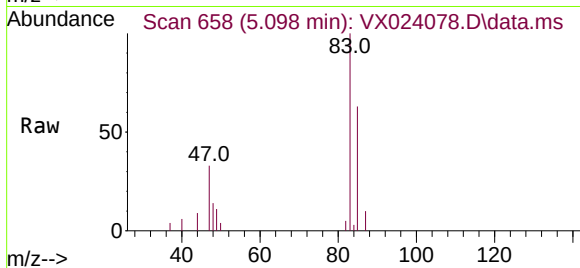
Tgt Ion: 49 Resp: 641

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 68.2 102.2#



#30

Chloroform

Concen: 2.695 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX024078.D

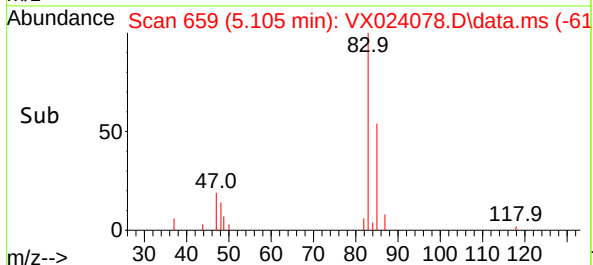
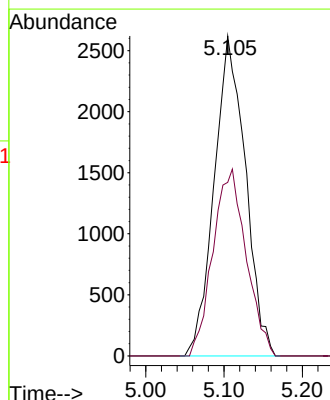
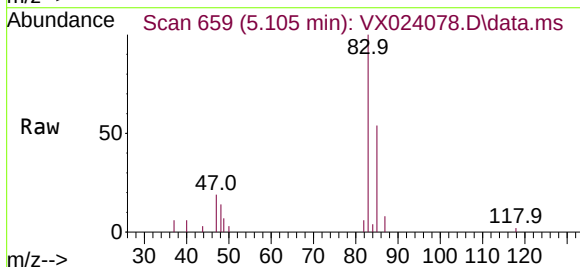
Acq: 02 Sep 2021 18:22

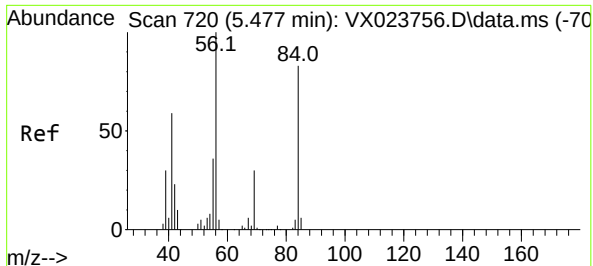
Tgt Ion: 83 Resp: 7253

Ion Ratio Lower Upper

83 100

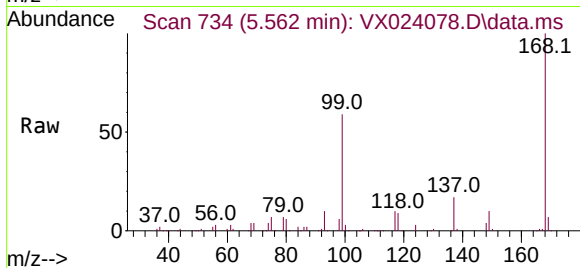
85 54.2 52.0 78.0



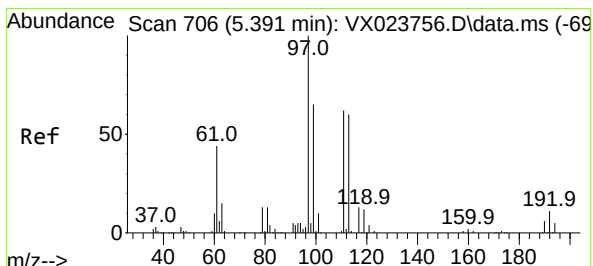
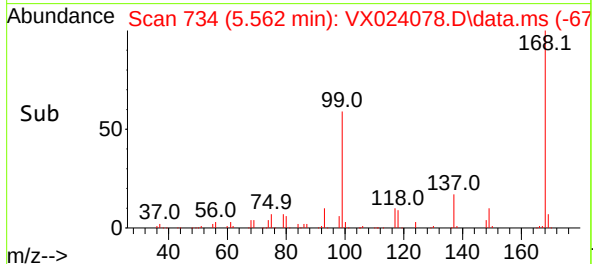
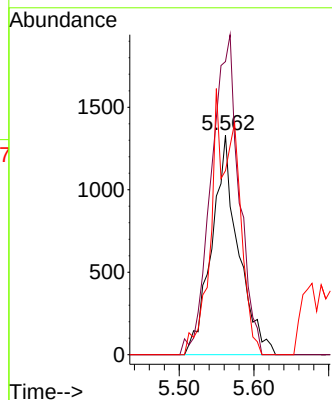


#31
Cyclohexane
Concen: 1.412 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

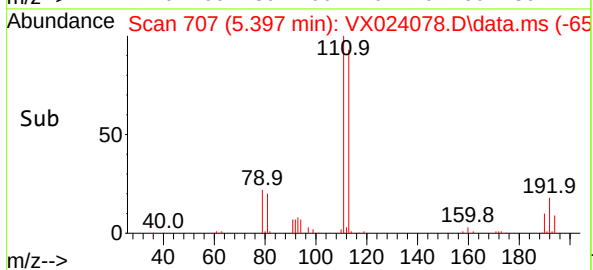
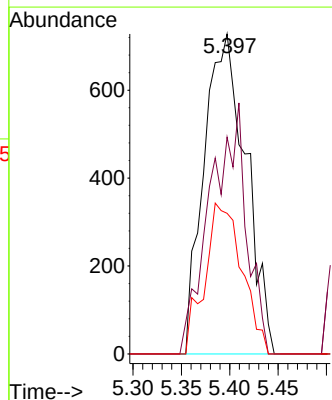
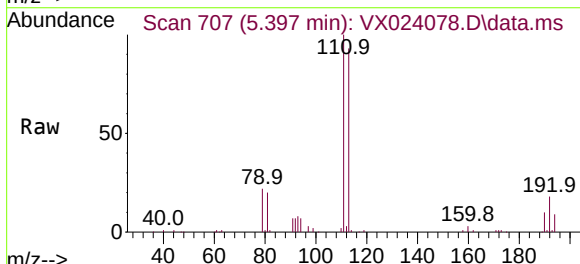


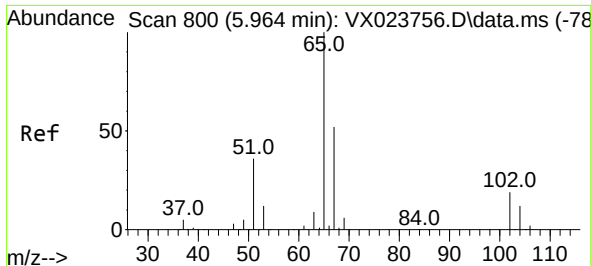
Tgt Ion: 56 Resp: 3283
Ion Ratio Lower Upper
56 100
69 133.5 25.3 37.9#
84 83.8 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.952 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 97 Resp: 2195
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 42.0 34.2 51.4

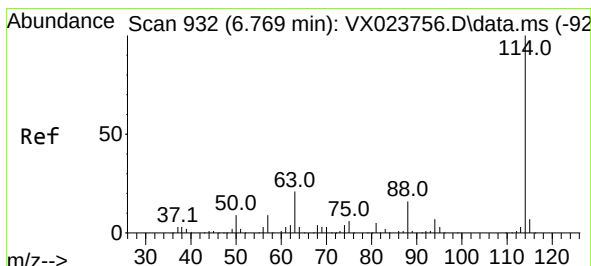
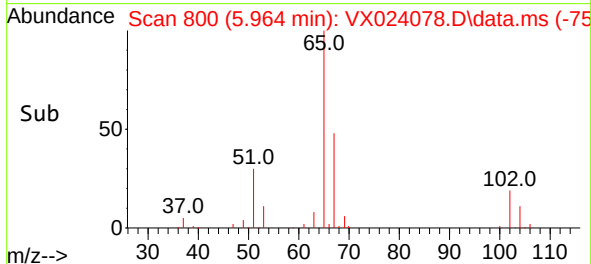
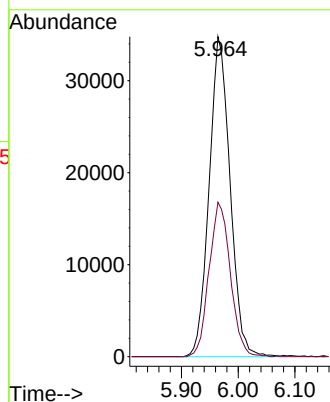
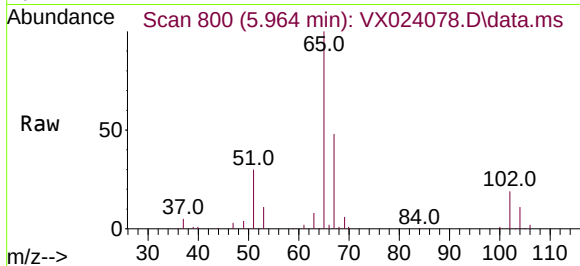




#33
 1,2-Dichloroethane-d4
 Concen: 49.308 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024078.D
 Acq: 02 Sep 2021 18:22

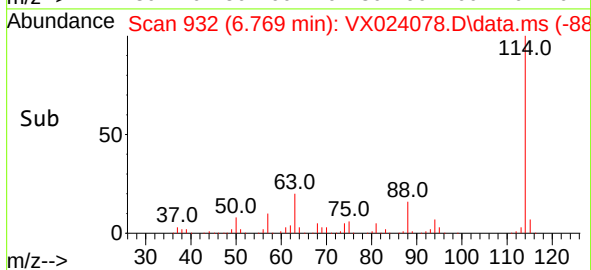
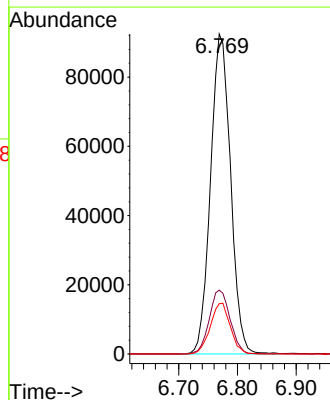
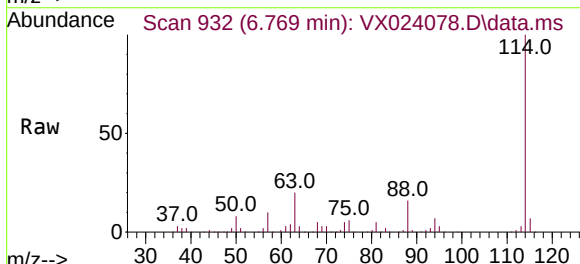
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-GW-660-662

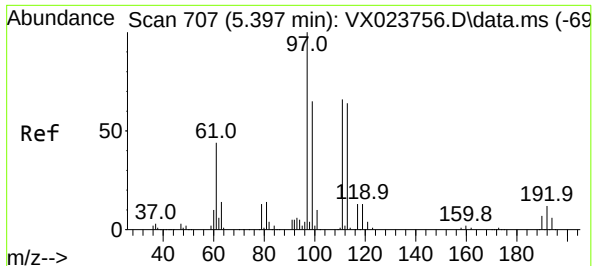
Tgt Ion: 65 Resp: 89229
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX024078.D
 Acq: 02 Sep 2021 18:22

Tgt Ion: 114 Resp: 218774
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.339 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024078.D

Acq: 02 Sep 2021 18:22

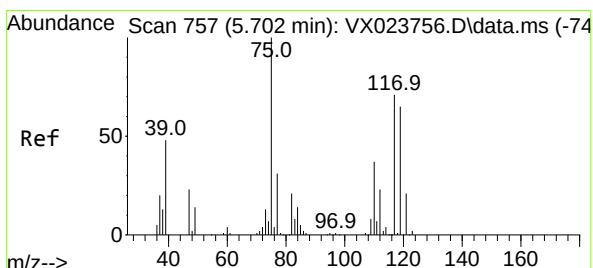
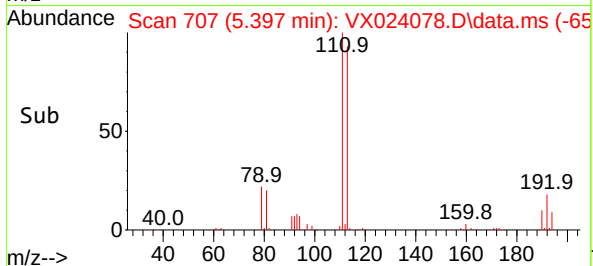
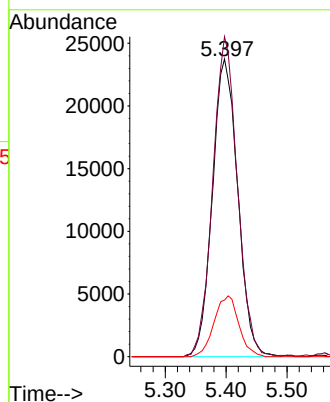
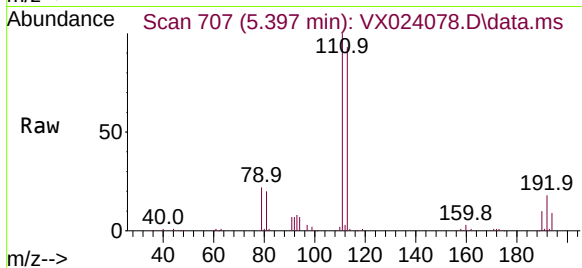
Tgt Ion:113 Resp: 68548

Ion Ratio Lower Upper

113 100

111 104.5 81.9 122.9

192 19.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024078.D

Acq: 02 Sep 2021 18:22

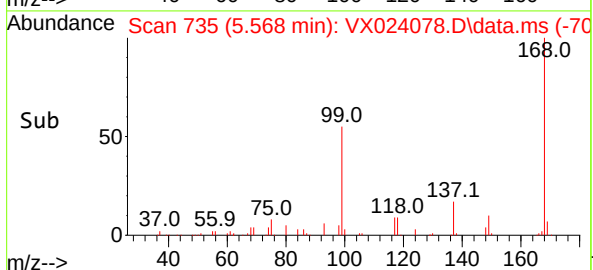
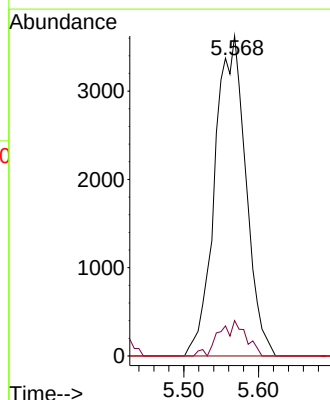
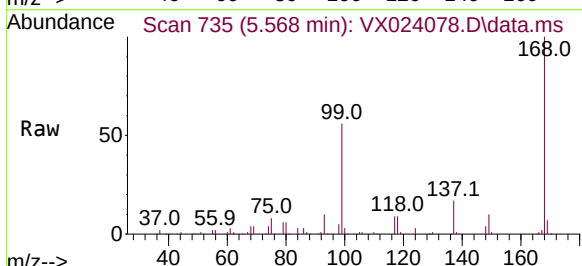
Tgt Ion: 75 Resp: 10451

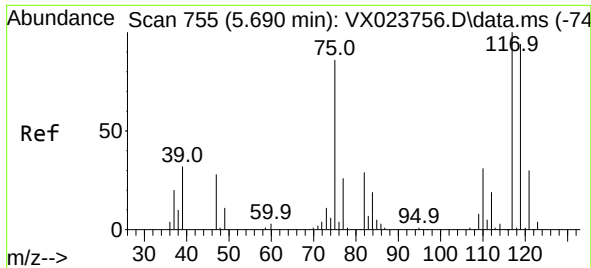
Ion Ratio Lower Upper

75 100

110 4.7 18.1 54.4#

77 0.0 25.3 37.9#

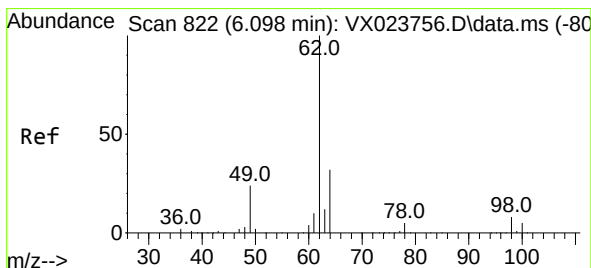
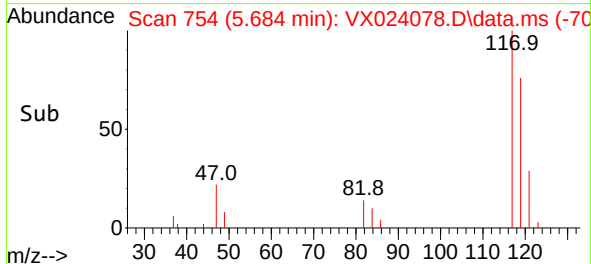
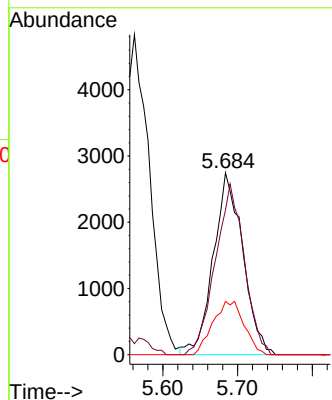
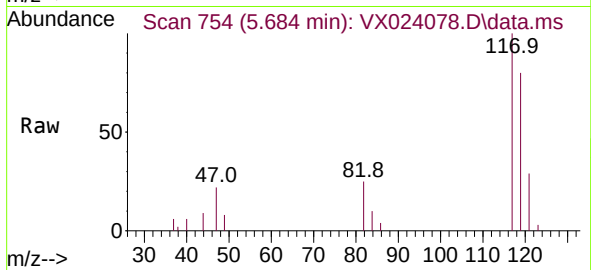




#38
Carbon Tetrachloride
Concen: 3.572 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

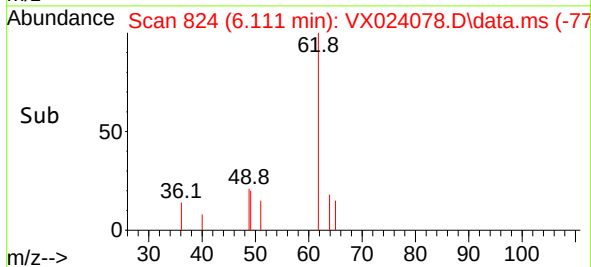
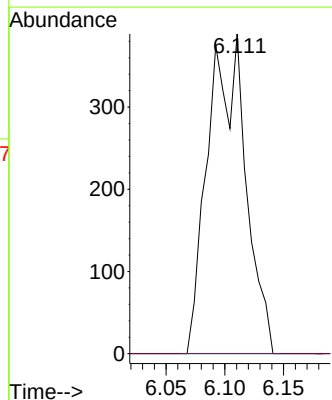
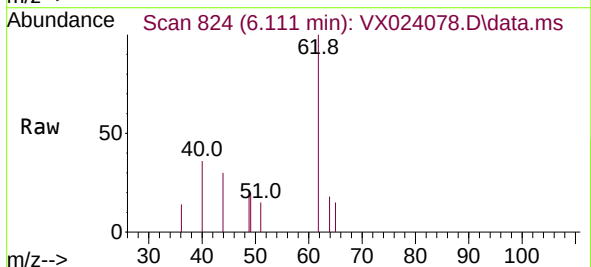
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

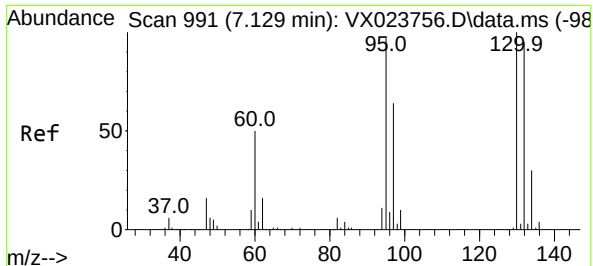
Tgt Ion:117 Resp: 7547
Ion Ratio Lower Upper
117 100
119 79.6 76.2 114.2
121 29.3 24.8 37.2



#42
1,2-Dichloroethane
Concen: 0.367 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.013 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 62 Resp: 864
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

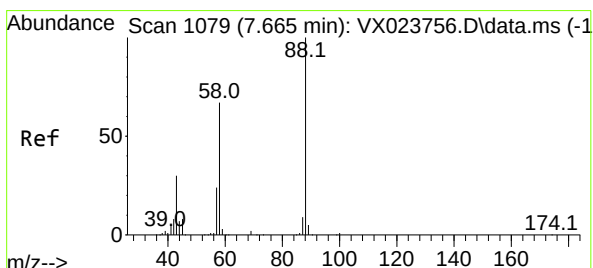
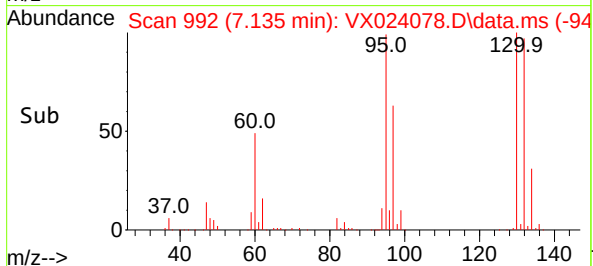
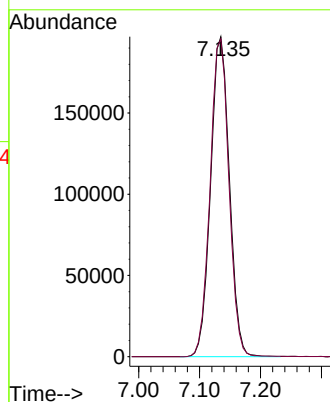
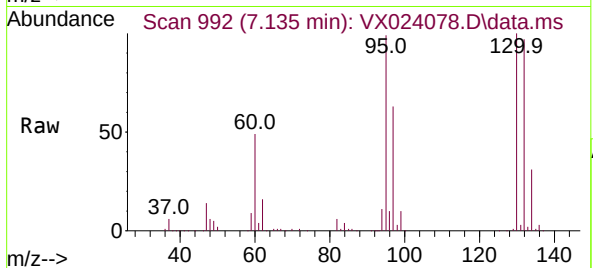




#44
Trichloroethene
Concen: 254.944 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

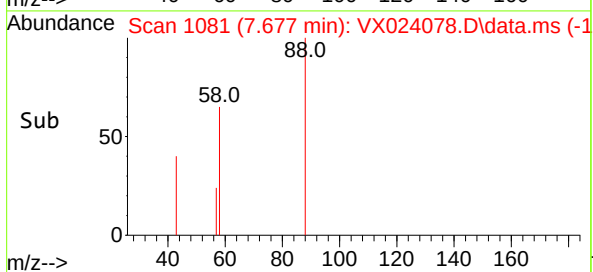
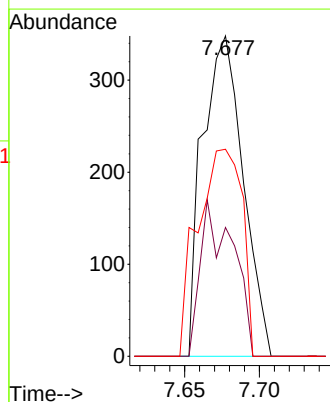
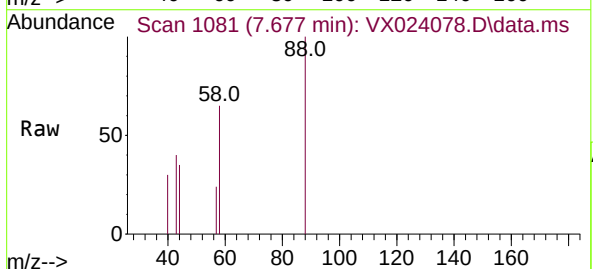
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

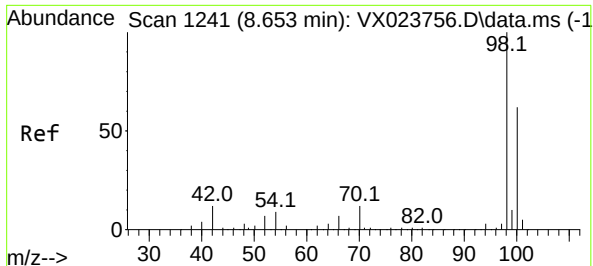
Tgt Ion:130 Resp: 421911
Ion Ratio Lower Upper
130 100
95 99.3 0.0 198.0



#49
1,4-Dioxane
Concen: 16.334 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 88 Resp: 656
Ion Ratio Lower Upper
88 100
43 39.2 23.2 34.8#
58 71.0 55.0 82.4

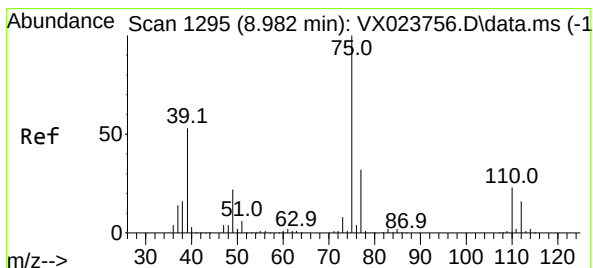
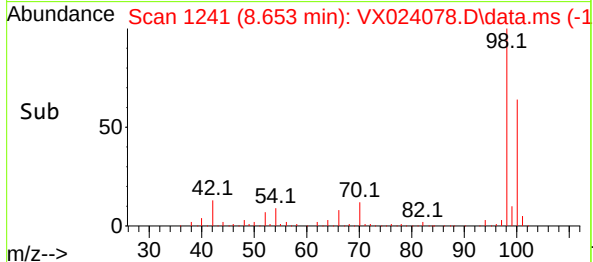
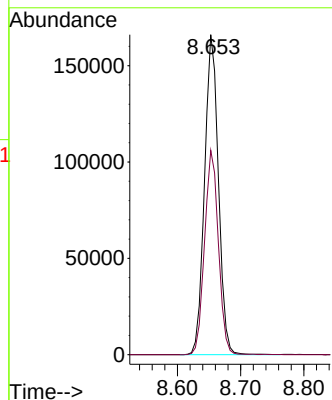
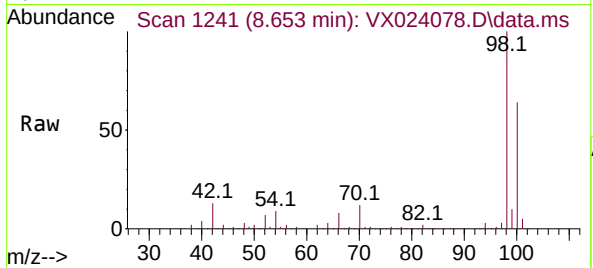




#50
Toluene-d8
Concen: 46.083 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

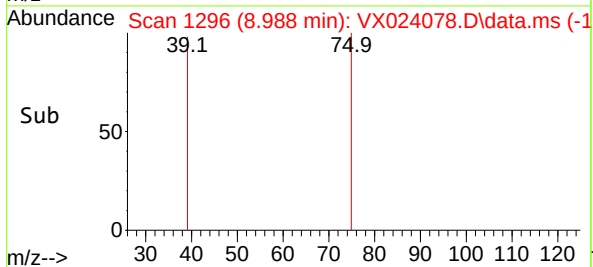
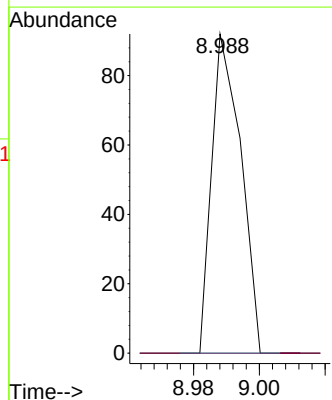
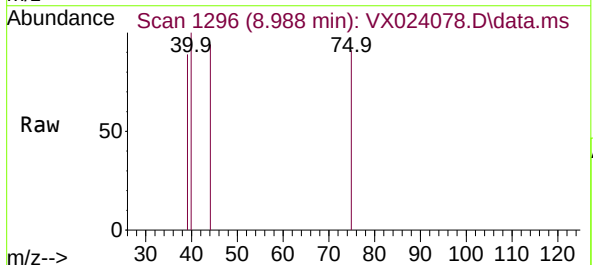
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

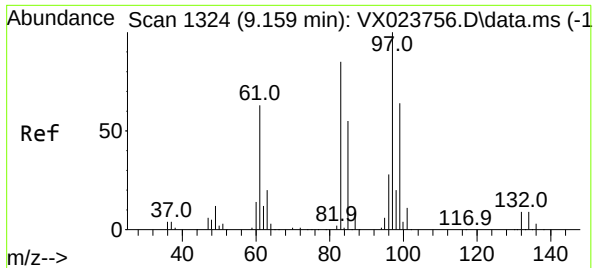
Tgt Ion: 98 Resp: 253975
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.158 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

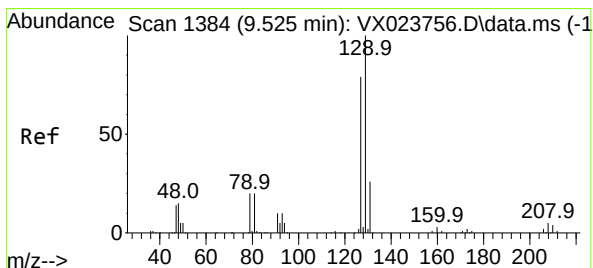
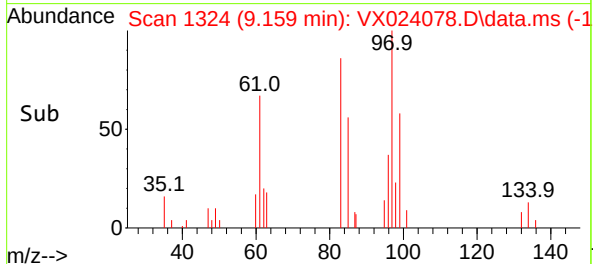
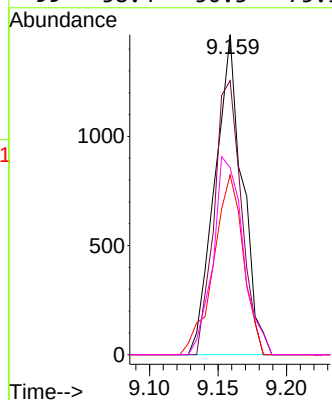
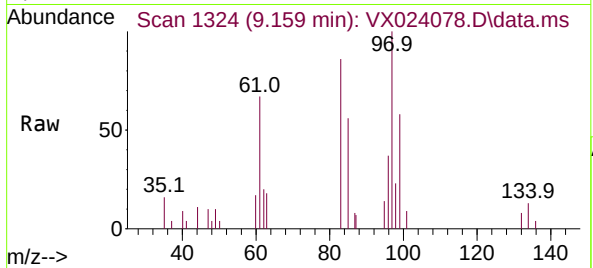




#55
1,1,2-Trichloroethane
Concen: 1.290 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

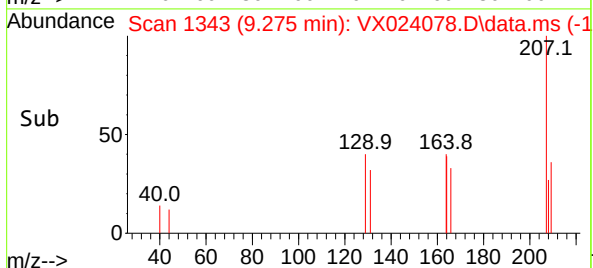
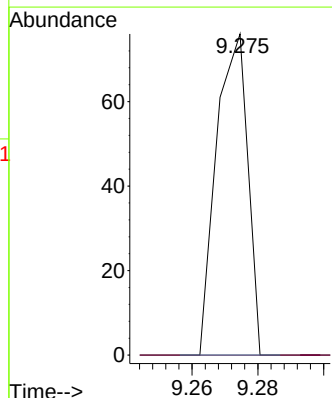
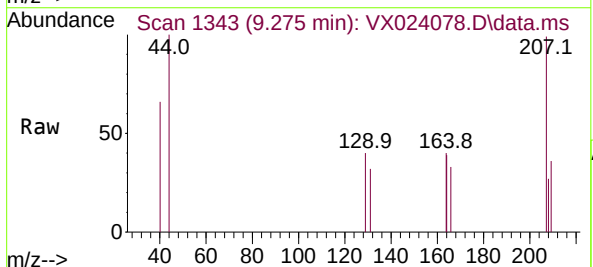
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

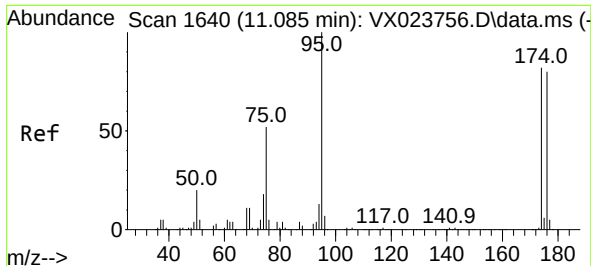
Tgt Ion:	97	Resp:	2061
Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.3	103.9
85	56.1	44.3	66.5
99	58.4	50.3	75.5



#60
Dibromochloromethane
Concen: 1.715 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion:	129	Resp:	50
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

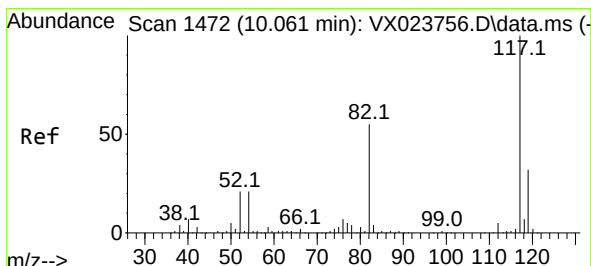
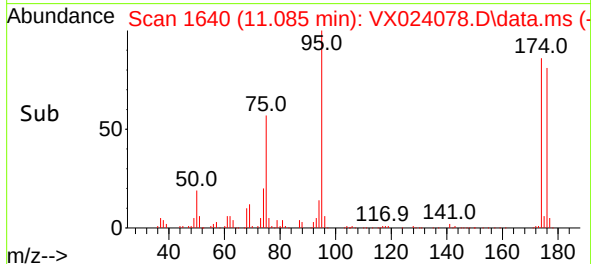
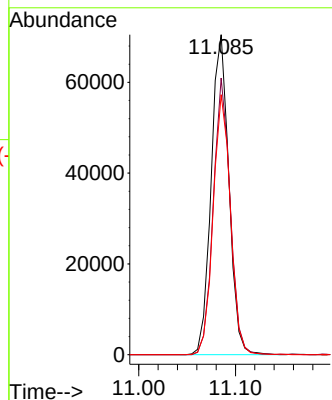
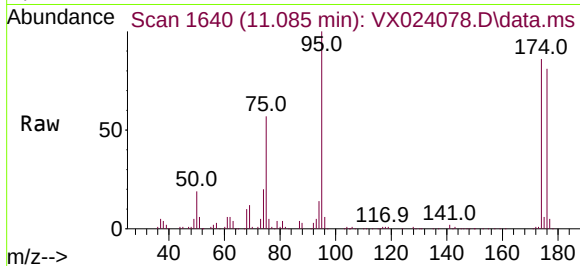




#62
4-Bromofluorobenzene
Concen: 44.145 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

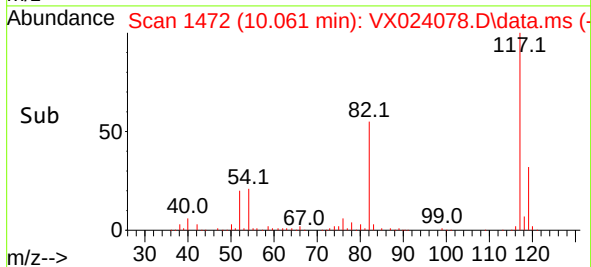
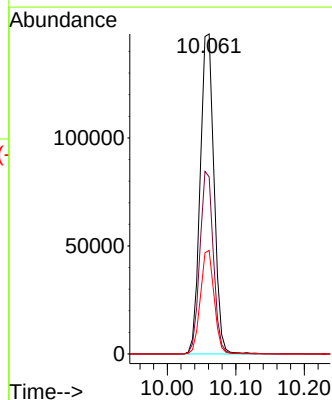
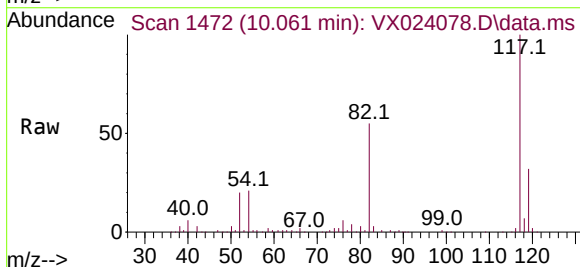
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

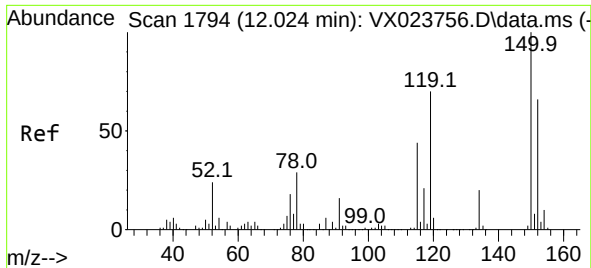
Tgt Ion: 95 Resp: 89562
Ion Ratio Lower Upper
95 100
174 82.6 0.0 154.6
176 79.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

Tgt Ion: 117 Resp: 208592
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 32.3 26.6 39.8

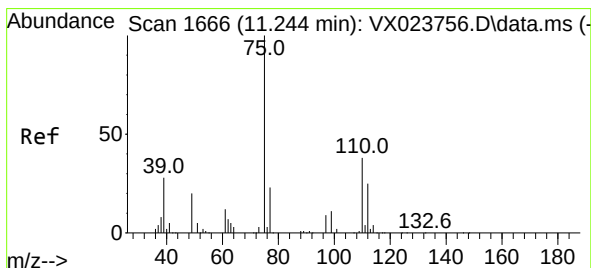
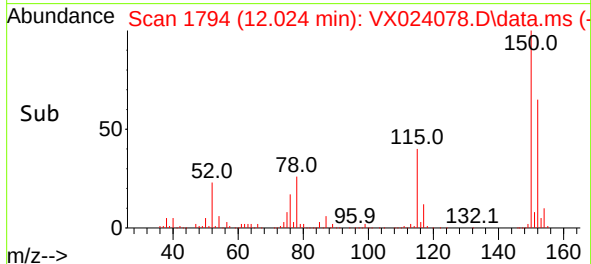
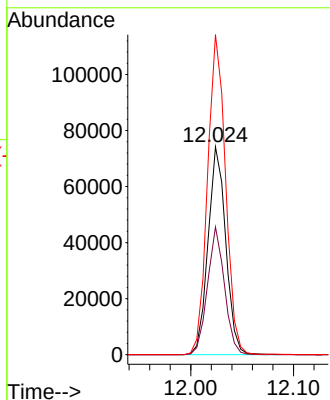
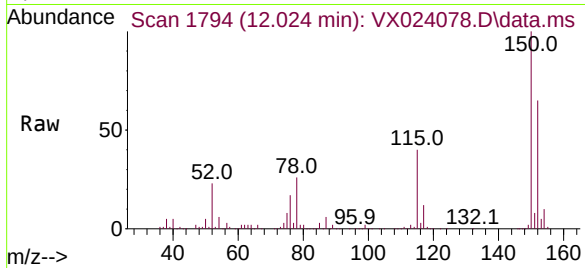




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

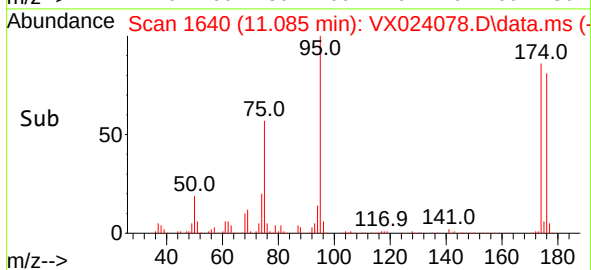
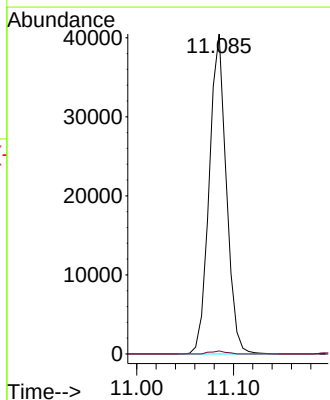
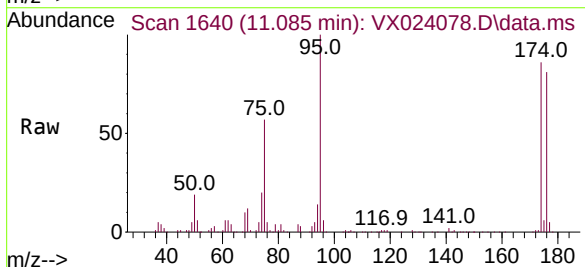
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662

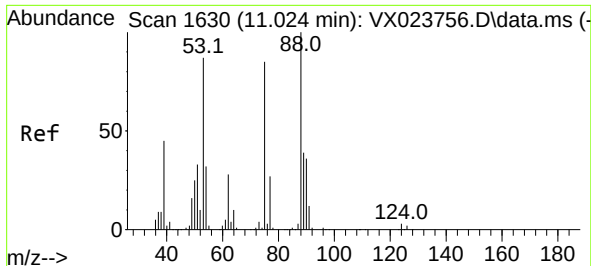
Tgt Ion:152 Resp: 88831
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 155.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.011 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

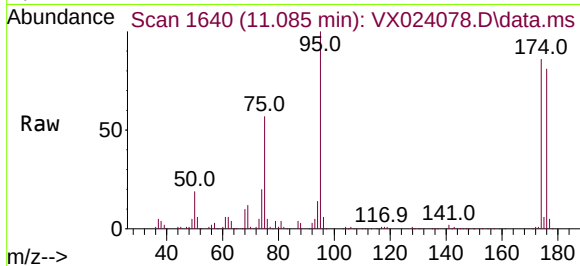
Tgt Ion: 75 Resp: 49756
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



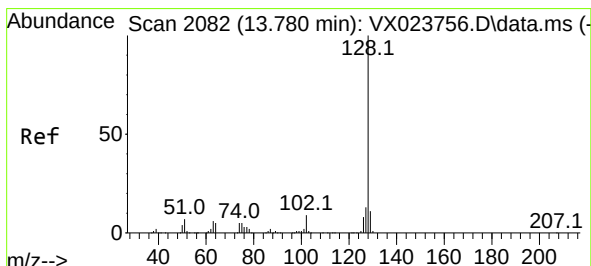
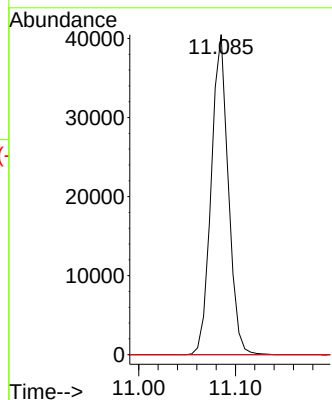
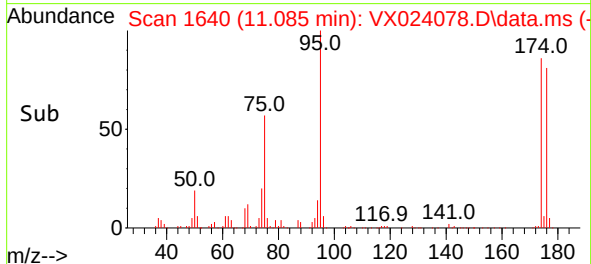


#81
trans-1,4-Dichloro-2-butene
Concen: 70.630 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22

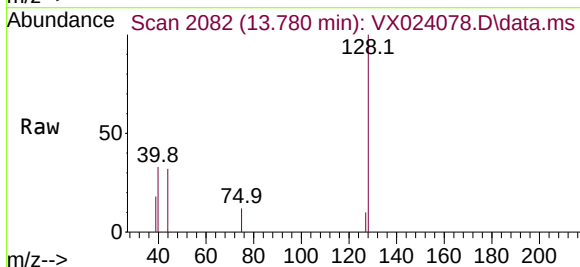
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-660-662



Tgt Ion: 75 Resp: 49756
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.405 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024078.D
Acq: 02 Sep 2021 18:22



Tgt Ion: 128 Resp: 817
Ion Ratio Lower Upper
128 100
127 4.9 10.3 15.5#
129 0.0 8.8 13.2#

