

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024214.D
 Acq On : 14 Sep 2021 17:52
 Operator : JC/MD
 Sample : M3729-09DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-DUP-20210909DL

Quant Time: Sep 15 01:57:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	135005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	218914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95192	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	99693	51.785	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.580%	
35) Dibromofluoromethane	5.397	113	77750	50.223	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.440%	
50) Toluene-d8	8.653	98	283149	50.207	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	11.085	95	105061	47.869	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.740%	

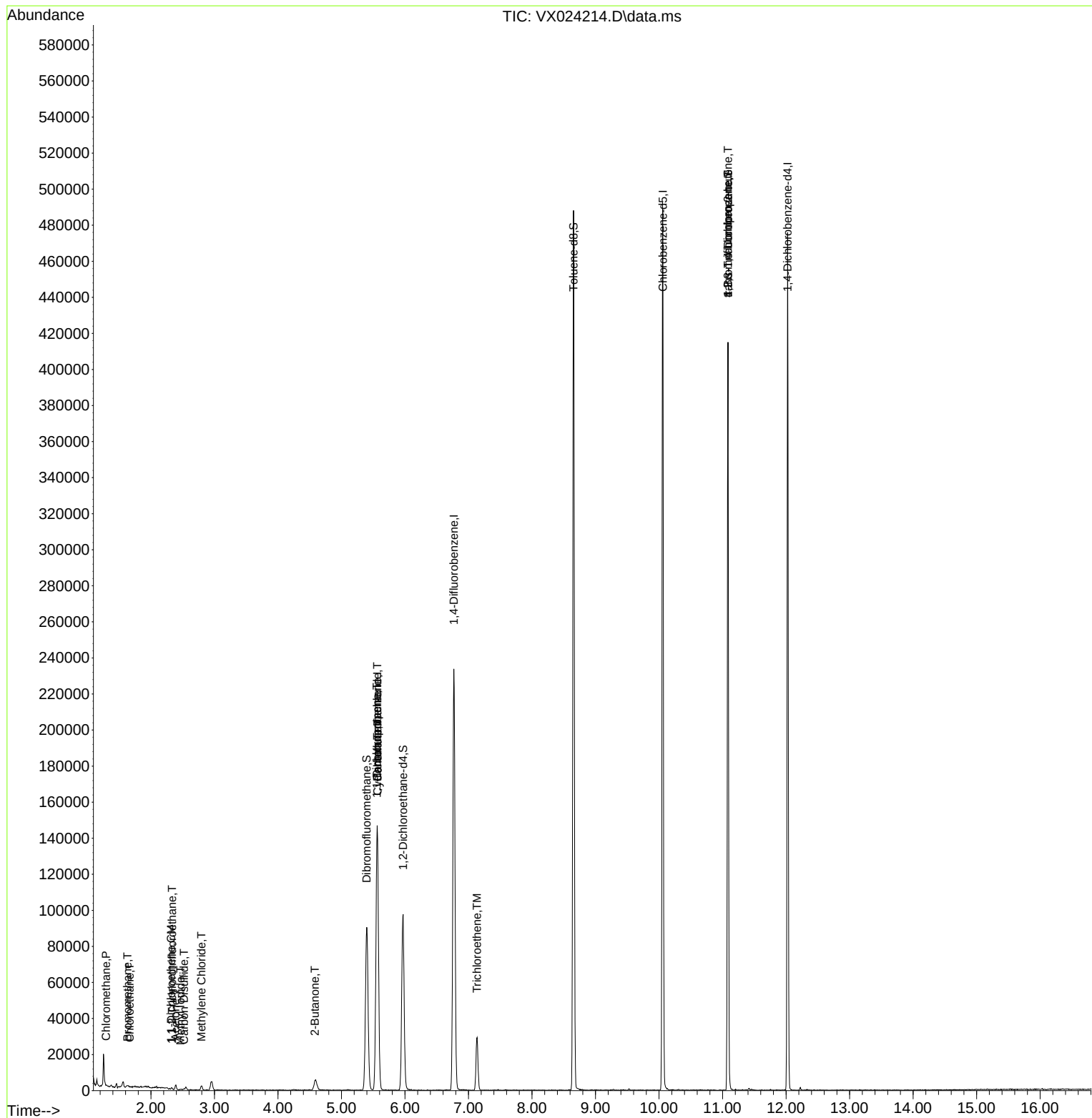
Target Compounds				Qvalue		
3) Chloromethane	1.294	50	462	0.341	ug/l #	83
5) Bromomethane	1.630	94	698	0.869	ug/l #	40
6) Chloroethane	1.666	64	270	2.238	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	271	0.204	ug/l #	74
10) Methyl Iodide	2.465	142	467	0.254	ug/l #	82
11) Tert butyl alcohol	2.947	59	3298	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	290	0.233	ug/l #	35
16) Acetone	2.386	43	2928	3.567	ug/l #	81
17) Carbon Disulfide	2.520	76	664	0.213	ug/l #	75
20) Methylene Chloride	2.794	84	1153	0.731	ug/l #	86
25) 2-Butanone	4.580	43	345	0.285	ug/l	96
31) Cyclohexane	5.568	56	2900	1.288	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	10836	5.106	ug/l #	51
38) Carbon Tetrachloride	5.562	117	14334	6.001	ug/l #	17
44) Trichloroethene	7.135	130	11234	6.569	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	56187	25.670	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56187	75.495	ug/l #	12

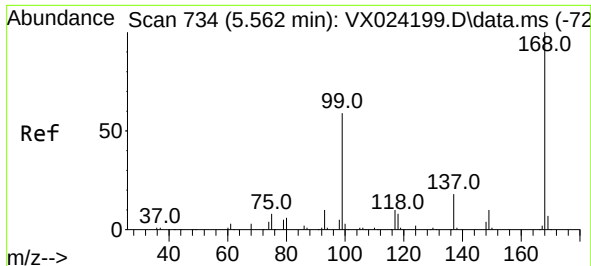
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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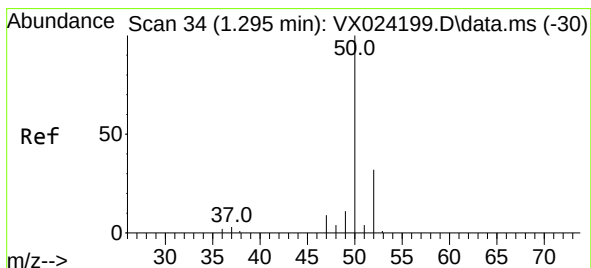
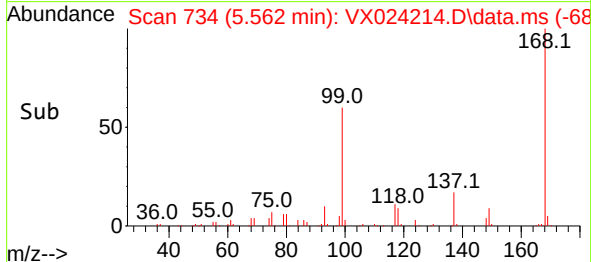
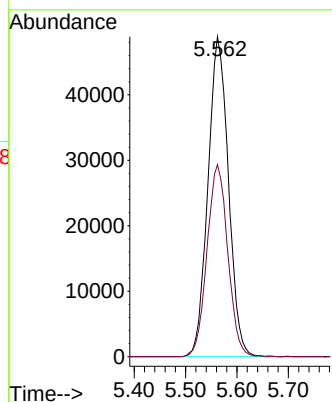
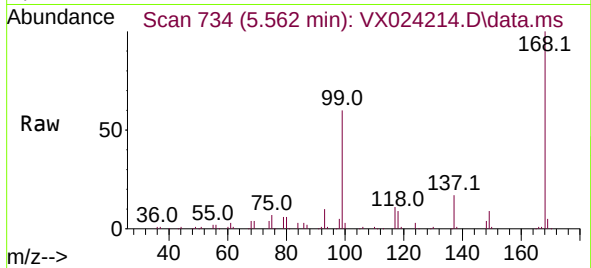




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

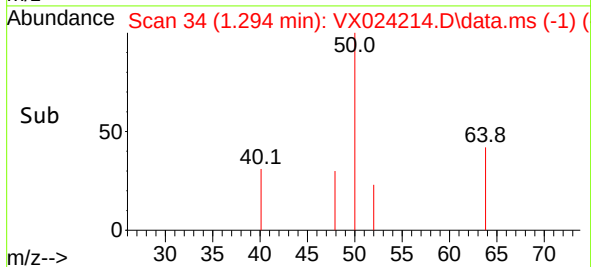
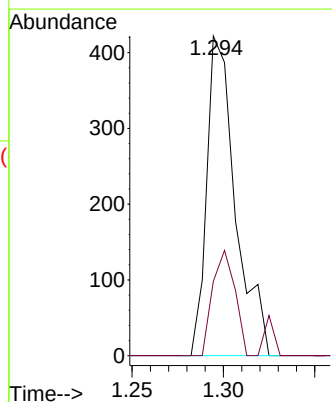
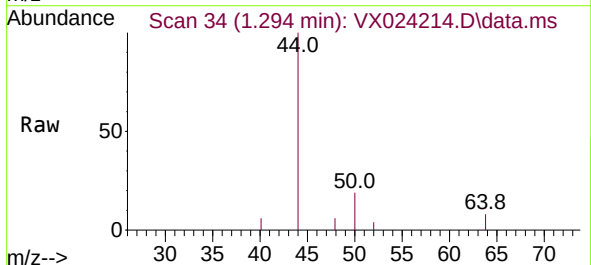
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

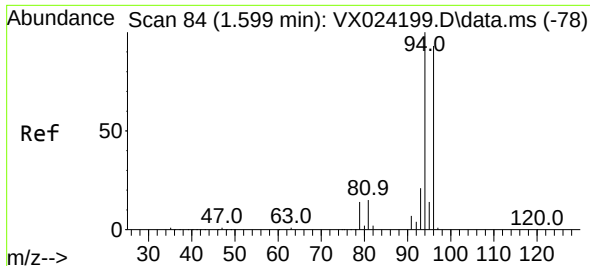
Tgt Ion:168 Resp: 135005
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#3
Chloromethane
Concen: 0.341 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 50 Resp: 462
Ion Ratio Lower Upper
50 100
52 23.2 26.4 39.6#

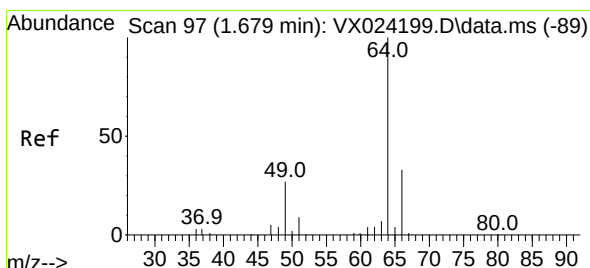
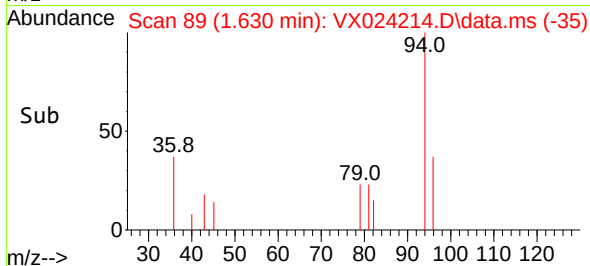
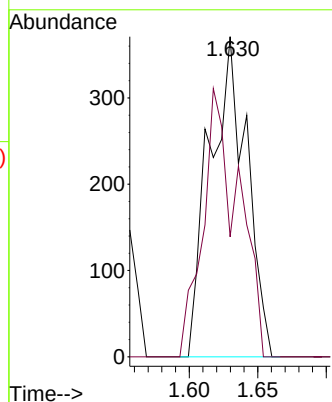
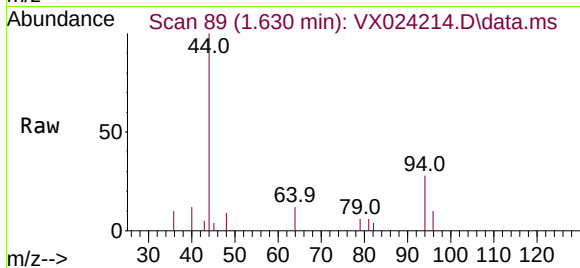




#5
Bromomethane
Concen: 0.869 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

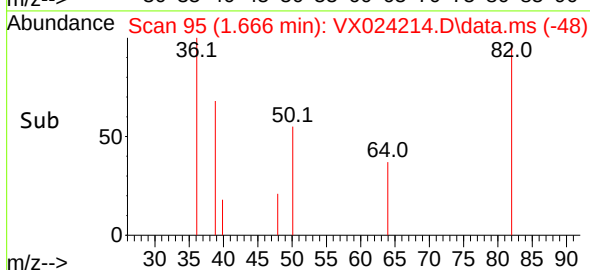
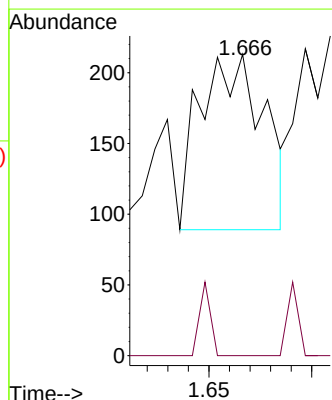
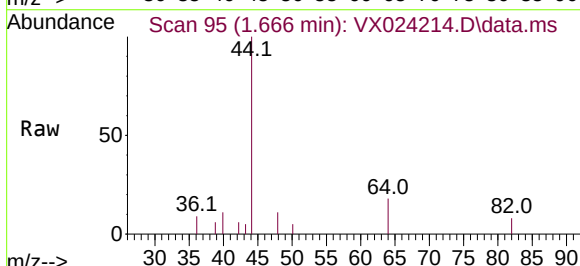
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

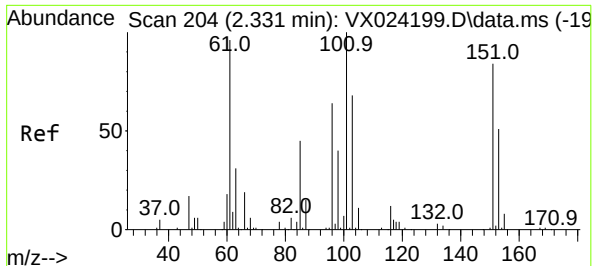
Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 37.5 76.4 114.6#



#6
Chloroethane
Concen: 2.238 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

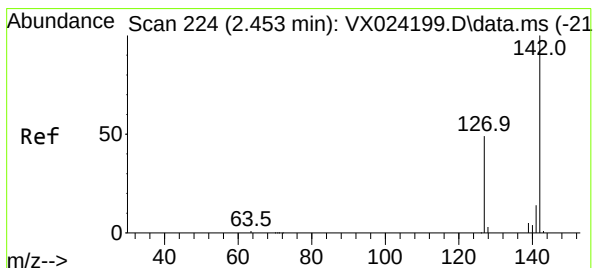
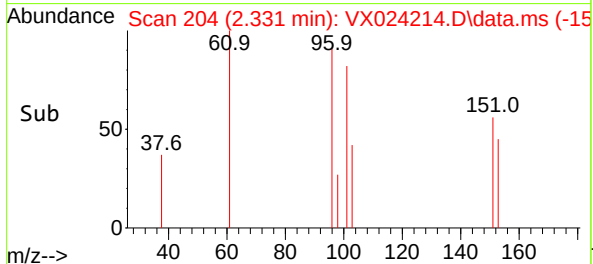
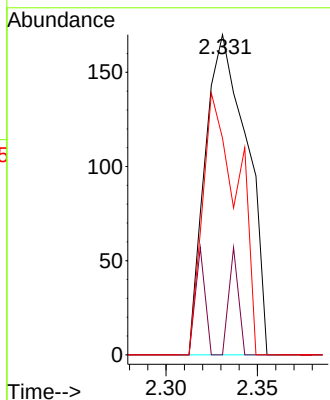
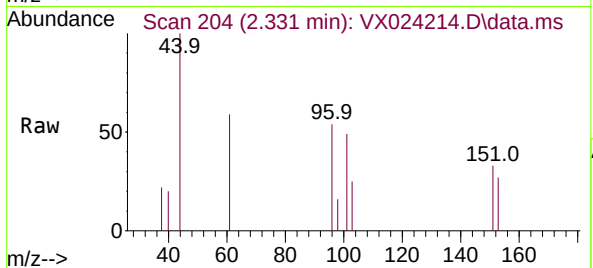




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.204 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

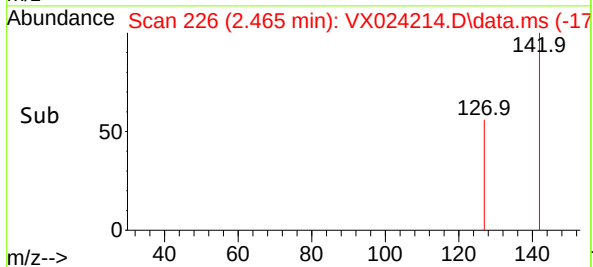
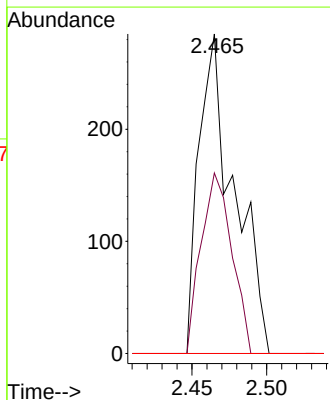
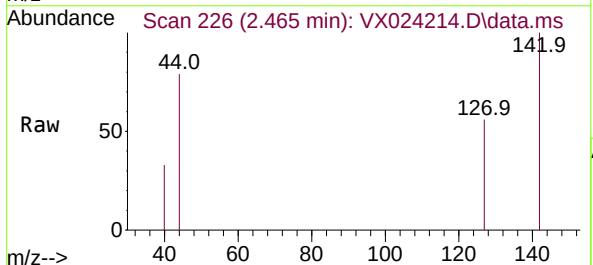
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

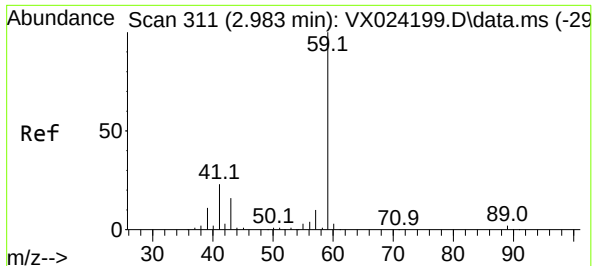
Tgt Ion:101 Resp: 271
Ion Ratio Lower Upper
101 100
85 7.7 34.9 52.3#
151 68.3 61.4 92.2



#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion:142 Resp: 467
Ion Ratio Lower Upper
142 100
127 49.3 33.3 49.9
141 0.0 11.4 17.0#



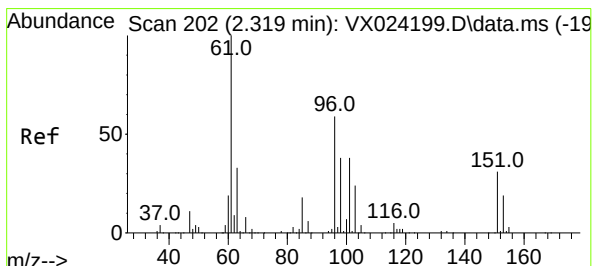
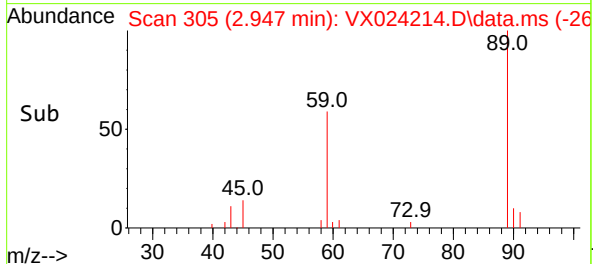
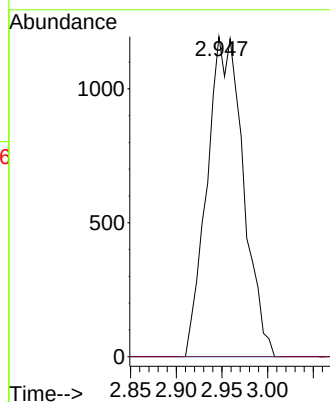
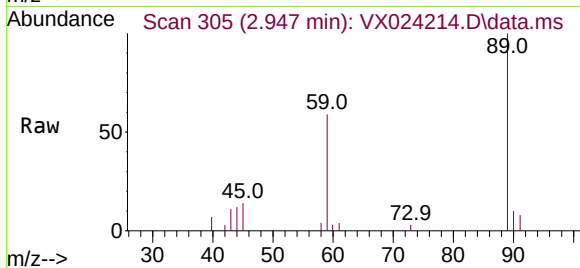


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

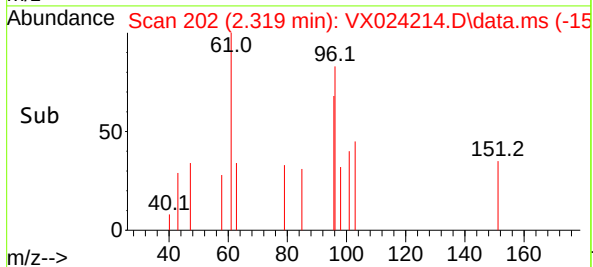
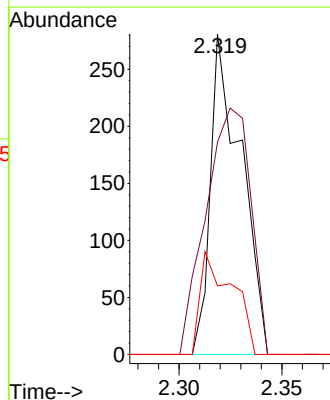
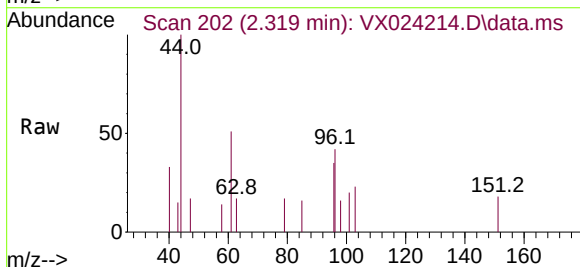
Tgt Ion: 59 Resp: 3298
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

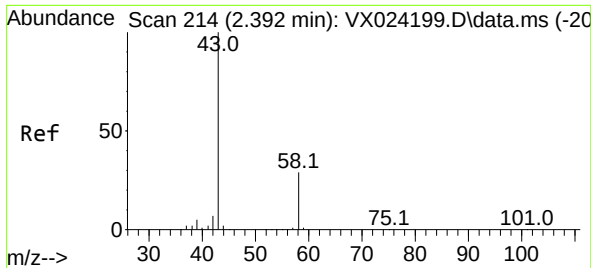


#12

1,1-Dichloroethene
Concen: 0.233 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 96 Resp: 290
Ion Ratio Lower Upper
96 100
61 66.2 124.6 187.0#
98 21.4 50.6 76.0#

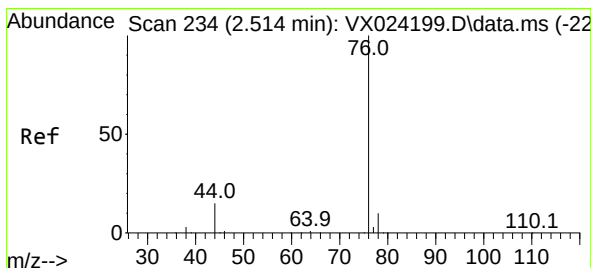
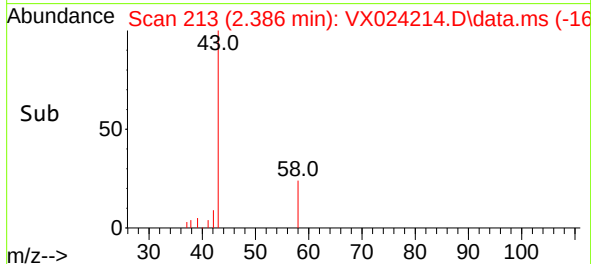
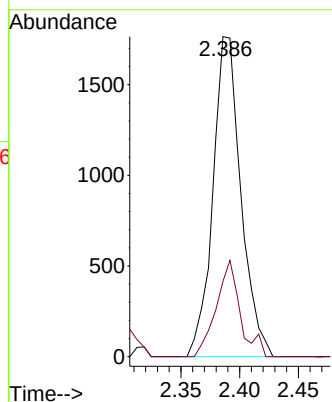
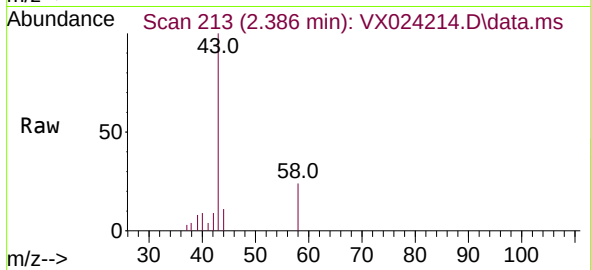




#16
Acetone
Concen: 3.567 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

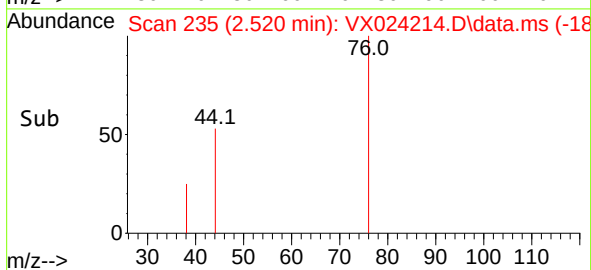
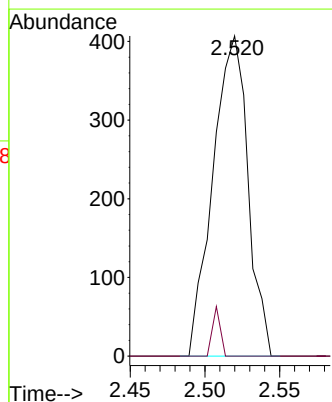
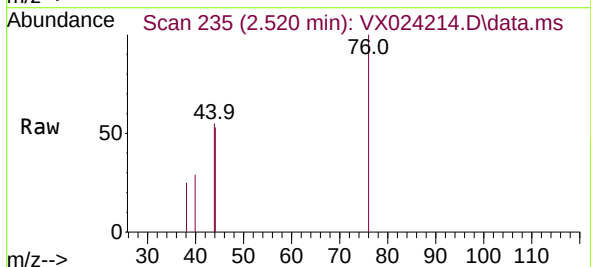
Instrument :
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ClientSampleId :
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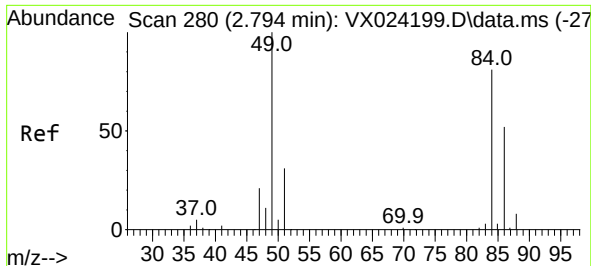
Tgt Ion: 43 Resp: 2928
Ion Ratio Lower Upper
43 100
58 23.5 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.213 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 76 Resp: 664
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.731 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024214.D

Acq: 14 Sep 2021 17:52

Tgt Ion: 84 Resp: 1153

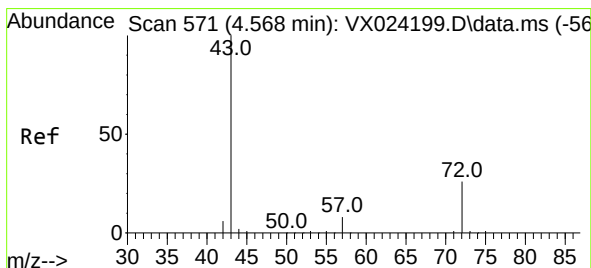
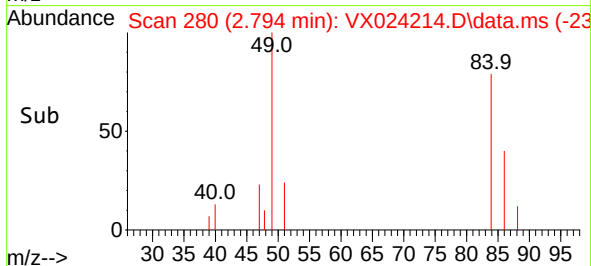
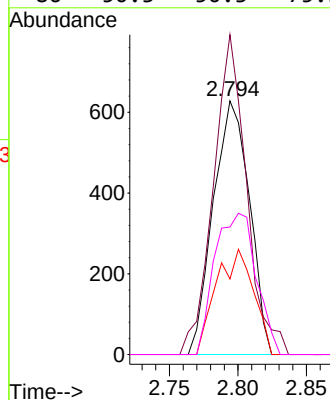
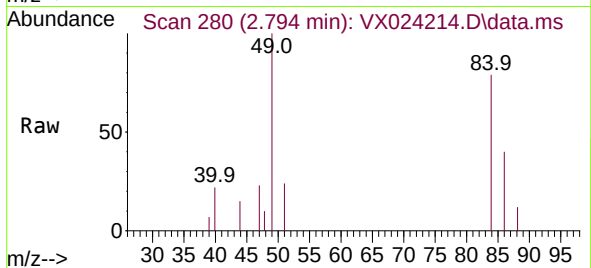
Ion Ratio Lower Upper

84 100

49 126.1 88.6 132.8

51 29.8 27.0 40.6

86 50.3 50.3 75.5#



#25

2-Butanone

Concen: 0.285 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX024214.D

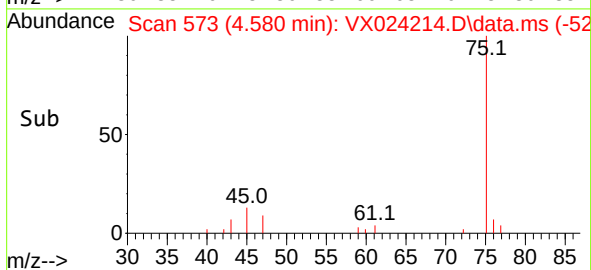
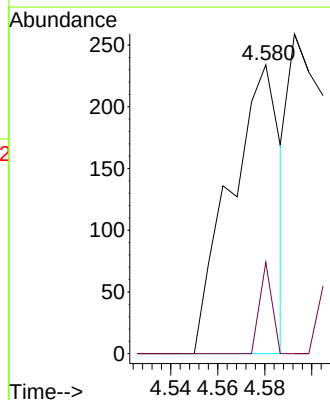
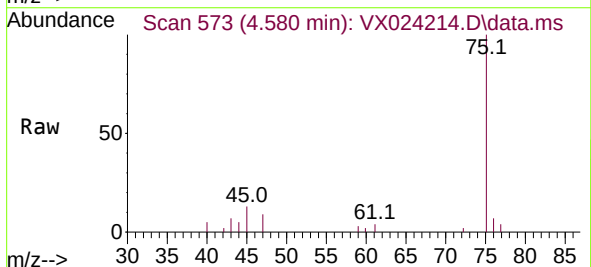
Acq: 14 Sep 2021 17:52

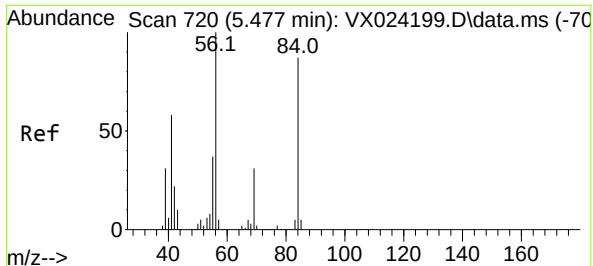
Tgt Ion: 43 Resp: 345

Ion Ratio Lower Upper

43 100

72 31.6 23.7 35.5

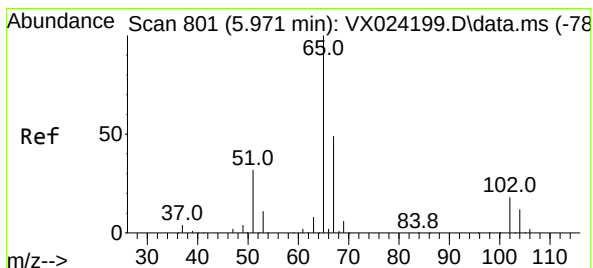
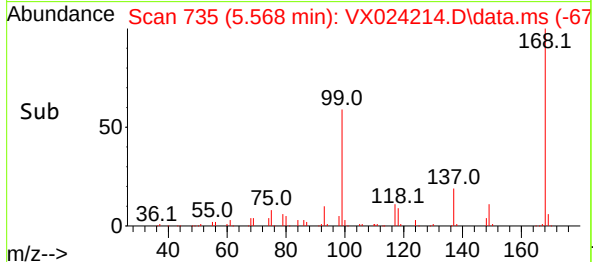
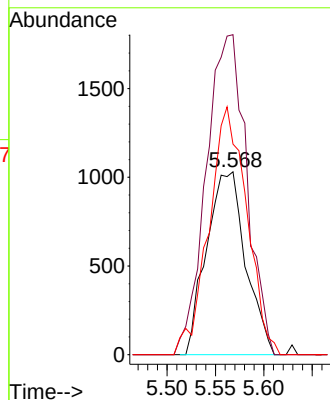
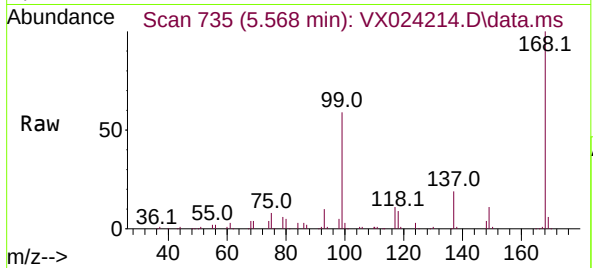




#31
Cyclohexane
Concen: 1.288 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

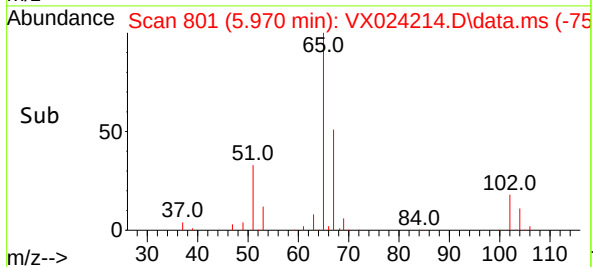
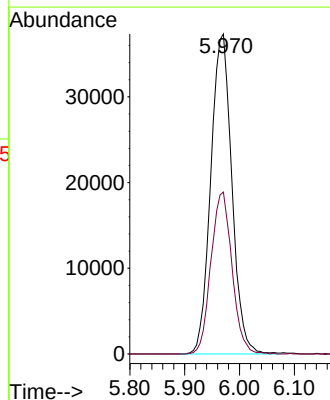
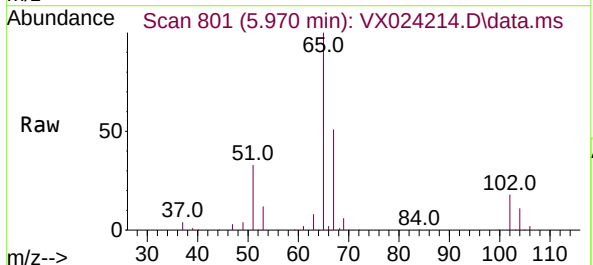
Instrument :
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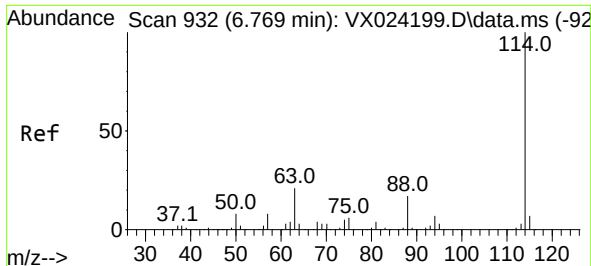
Tgt Ion: 56 Resp: 2900
Ion Ratio Lower Upper
56 100
69 175.0 25.3 37.9#
84 115.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.785 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 65 Resp: 99693
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

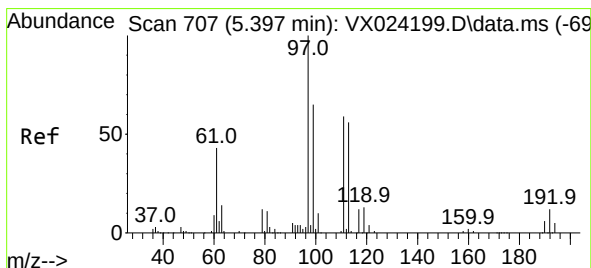
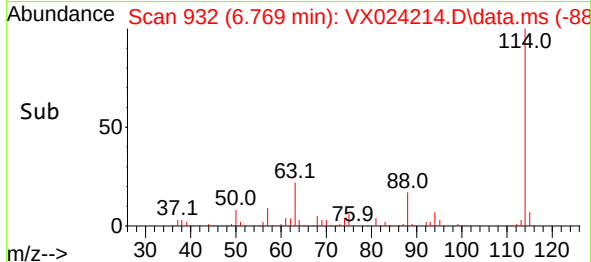
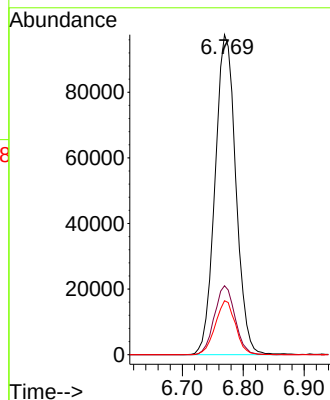
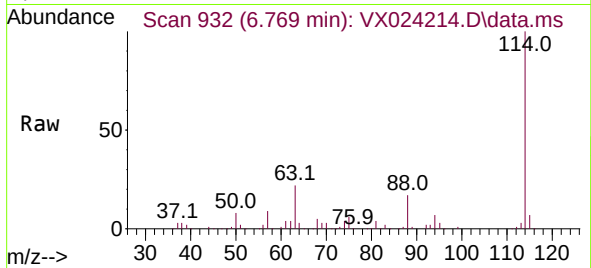




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

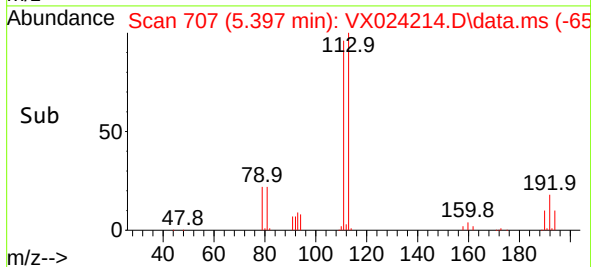
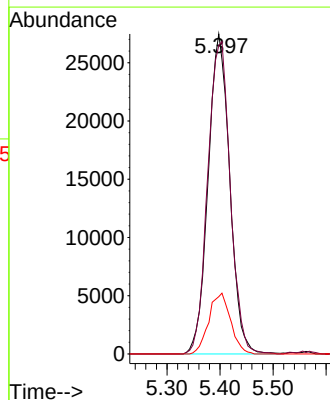
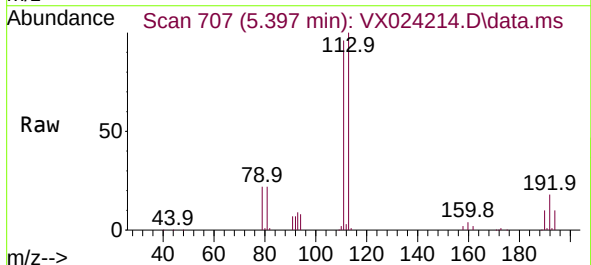
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

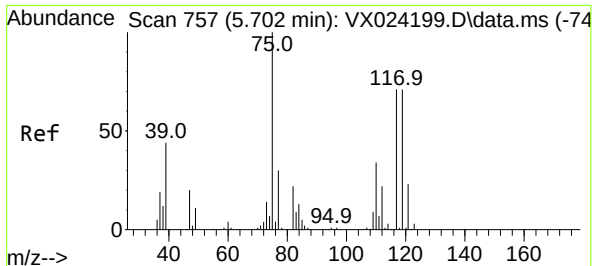
Tgt Ion:114 Resp: 230837
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.223 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion:113 Resp: 77750
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 19.2 16.7 25.1

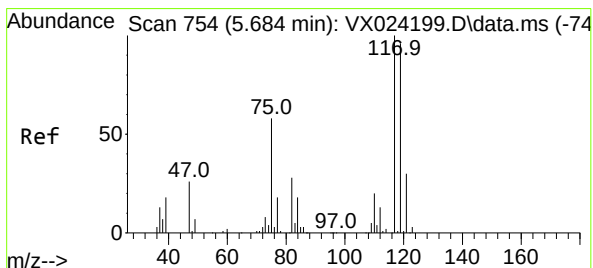
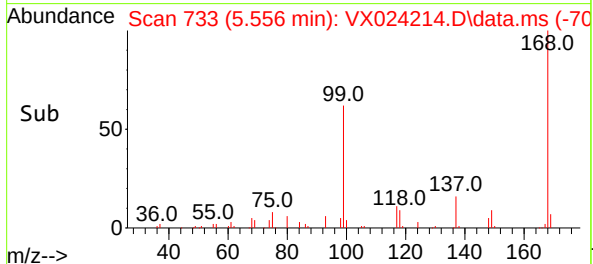
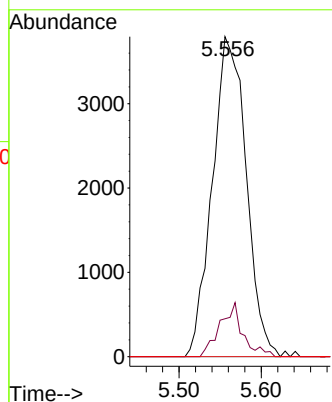
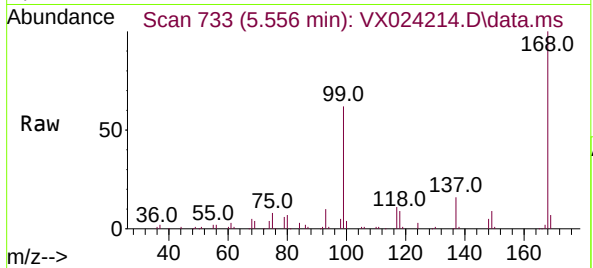




#36
1,1-Dichloropropene
Concen: 5.106 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

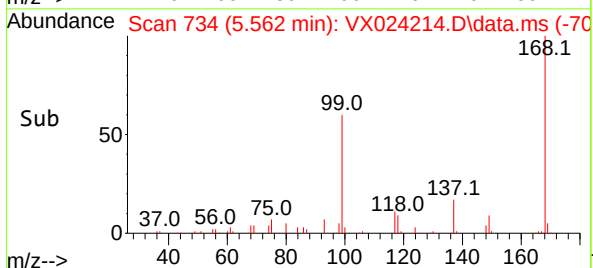
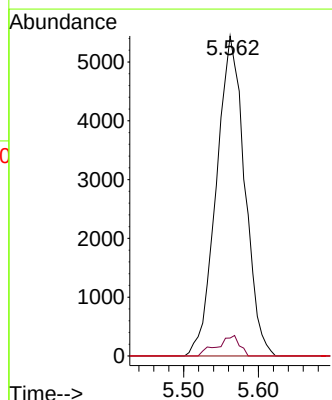
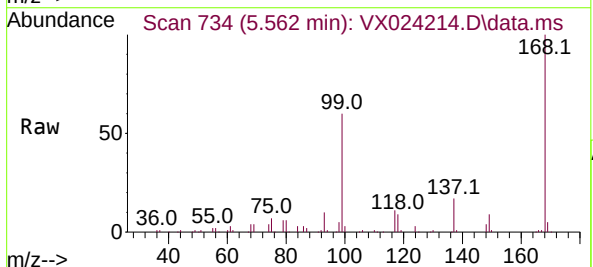
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

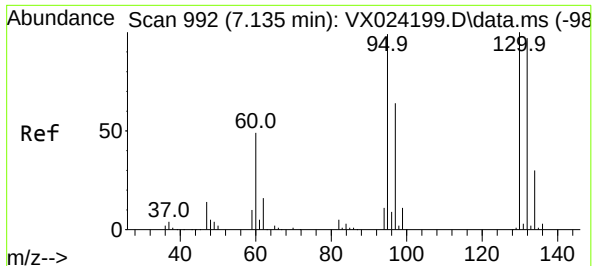
Tgt Ion: 75 Resp: 10836
Ion Ratio Lower Upper
75 100
110 11.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 117 Resp: 14334
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

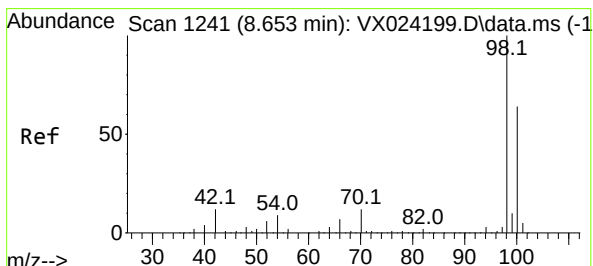
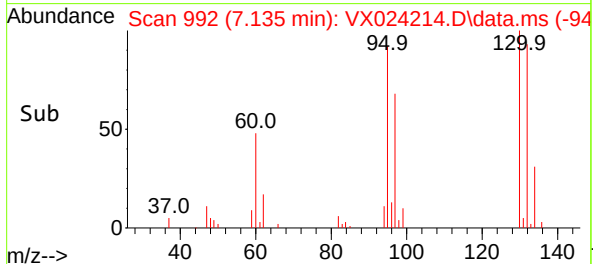
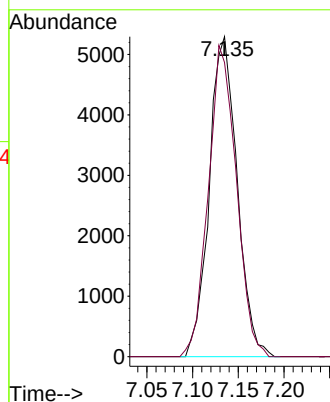
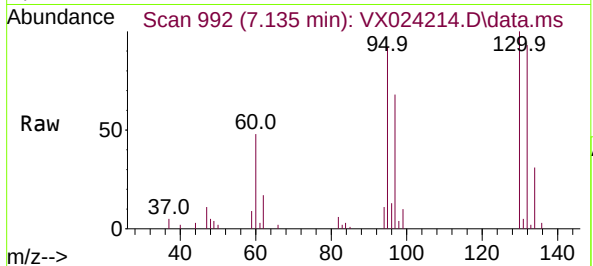




#44
Trichloroethene
Concen: 6.569 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

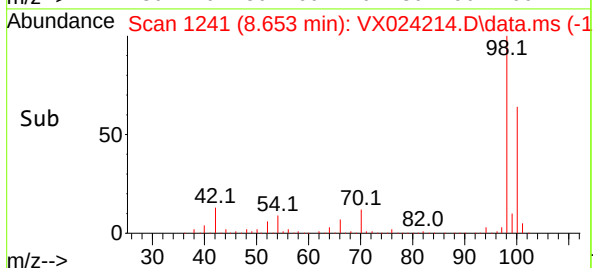
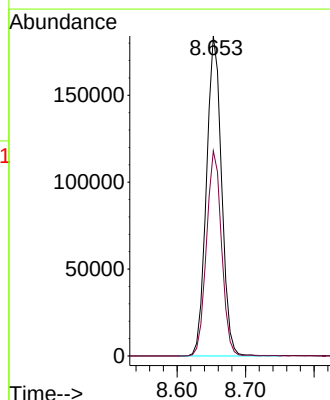
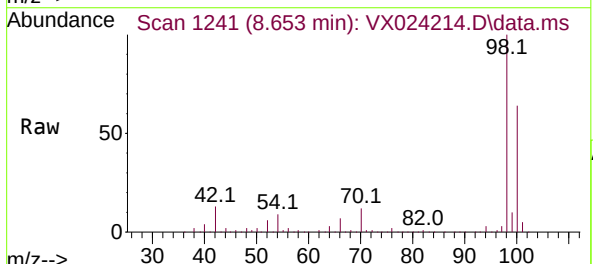
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

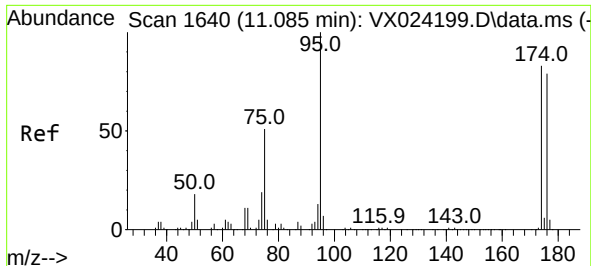
Tgt Ion:130 Resp: 11234
Ion Ratio Lower Upper
130 100
95 92.0 0.0 198.0



#50
Toluene-d8
Concen: 50.207 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 98 Resp: 283149
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

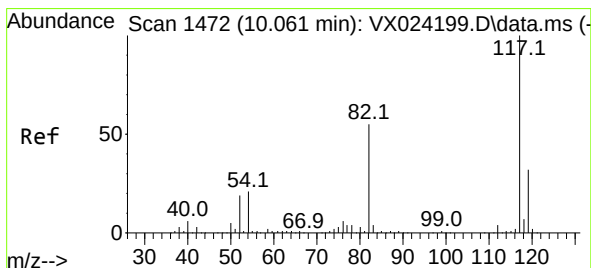
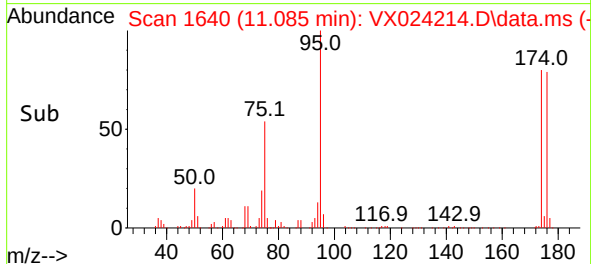
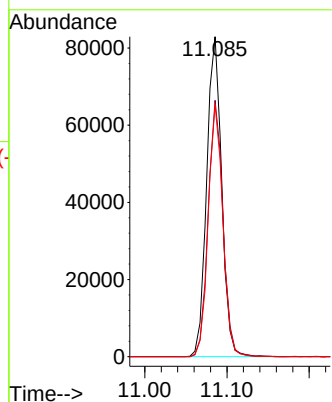
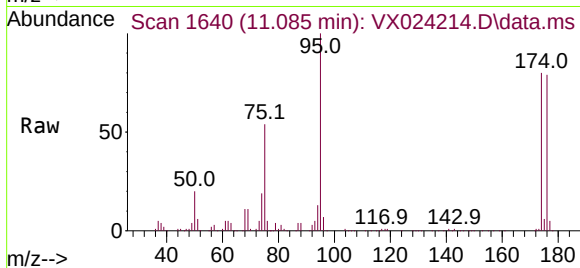




#62
4-Bromofluorobenzene
Concen: 47.869 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

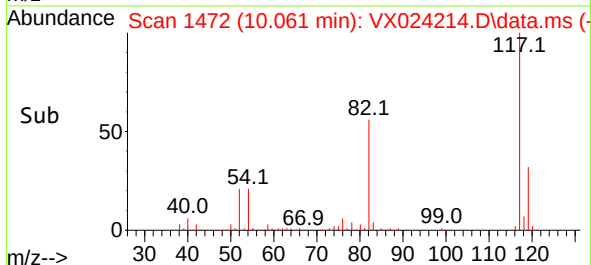
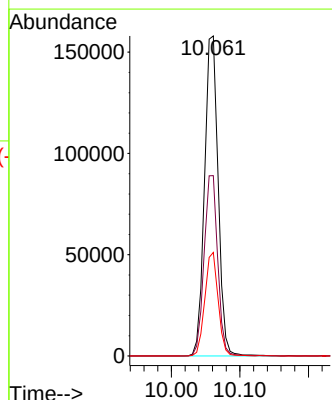
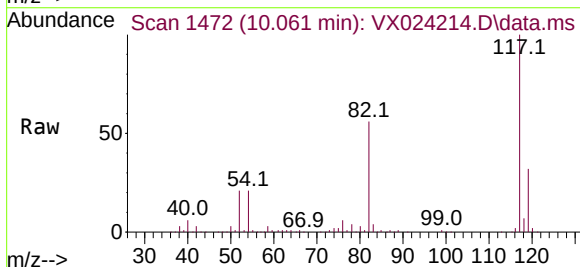
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-DUP-20210909DL

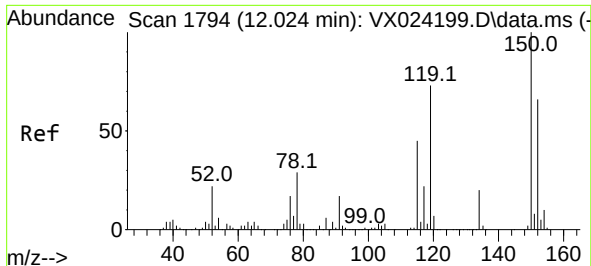
Tgt Ion: 95 Resp: 105061
Ion Ratio Lower Upper
95 100
174 79.1 0.0 154.6
176 76.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024214.D
Acq: 14 Sep 2021 17:52

Tgt Ion: 117 Resp: 218914
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 32.4 26.6 39.8

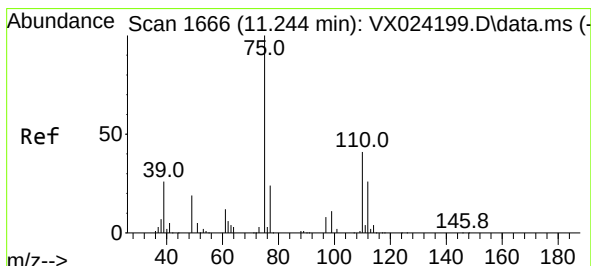
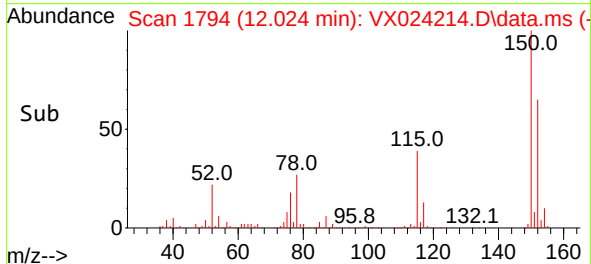
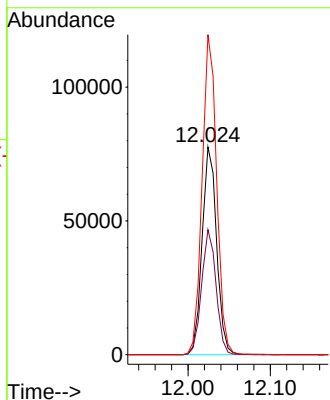
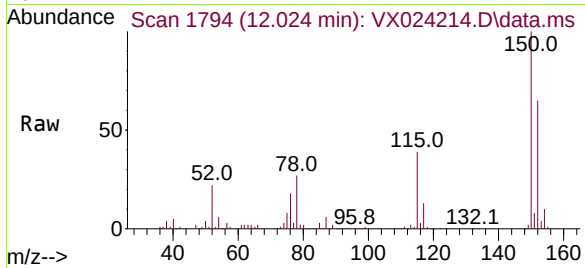




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024214.D
 Acq: 14 Sep 2021 17:52

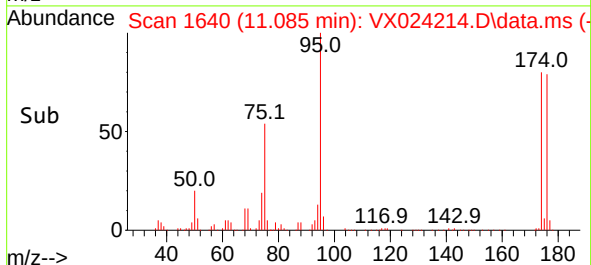
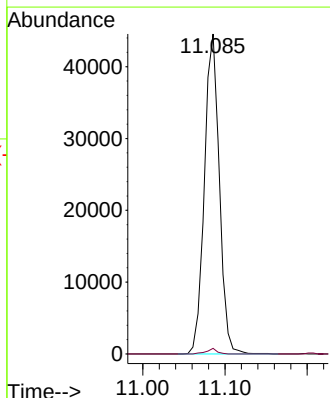
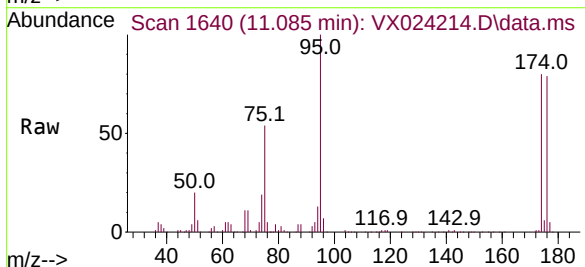
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-DUP-20210909DL

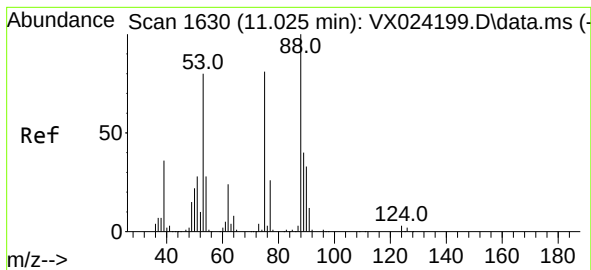
Tgt Ion:152 Resp: 95192
 Ion Ratio Lower Upper
 152 100
 115 59.9 41.1 123.3
 150 154.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.670 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024214.D
 Acq: 14 Sep 2021 17:52

Tgt Ion: 75 Resp: 56187
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.495 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX024214.D
 Acq: 14 Sep 2021 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-DUP-20210909DL

Tgt Ion: 75 Resp: 56187
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

