

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083021\
 Data File : VX024024.D
 Acq On : 30 Aug 2021 19:01
 Operator : JC/MD
 Sample : M3583-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-121.5T-20210827

Quant Time: Aug 31 03:13:09 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)

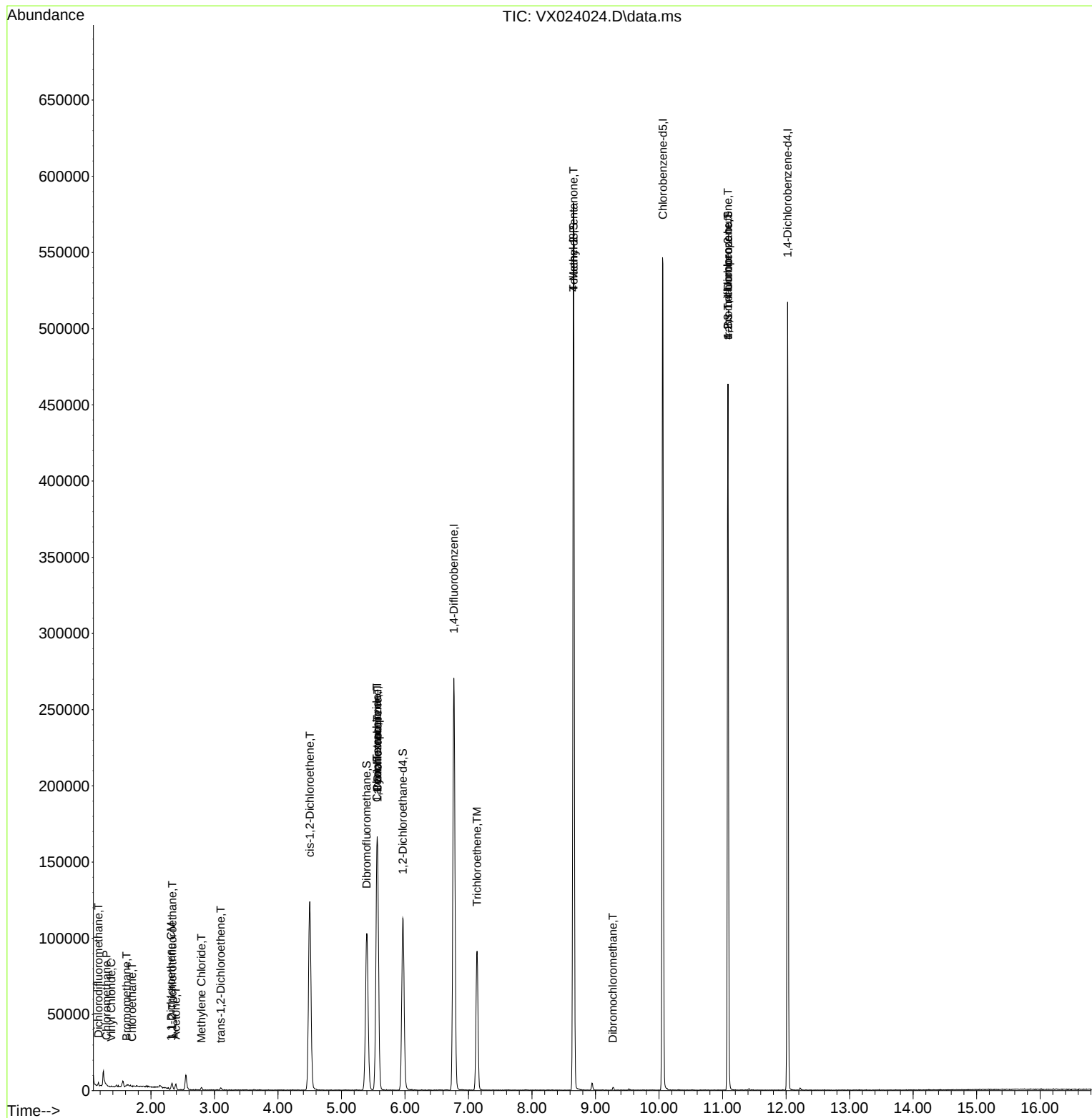
Internal Standards						
1) Pentafluorobenzene	5.562	168	155029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	265738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	244297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	114959	53.130	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.260%			
35) Dibromofluoromethane	5.397	113	87673	49.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.653	98	325150	48.571	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.140%			
62) 4-Bromofluorobenzene	11.085	95	117424	47.649	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	895	0.547	ug/l	89
3) Chloromethane	1.300	50	496	0.276	ug/l	92
4) Vinyl Chloride	1.373	62	696	0.397	ug/l #	84
5) Bromomethane	1.617	94	577	0.524	ug/l #	76
6) Chloroethane	1.703	64	212	2.356	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	2.337	101	1078	0.693	ug/l	89
12) 1,1-Dichloroethene	2.318	96	589	0.396	ug/l #	81
16) Acetone	2.392	43	3538	3.657	ug/l	96
20) Methylene Chloride	2.794	84	600	0.325	ug/l #	85
21) trans-1,2-Dichloroethene	3.099	96	679	0.427	ug/l #	82
27) cis-1,2-Dichloroethene	4.501	96	75867	40.120	ug/l	96
31) Cyclohexane	5.562	56	3797	1.366	ug/l #	7
36) 1,1-Dichloropropene	5.568	75	12634	5.134	ug/l #	44
38) Carbon Tetrachloride	5.556	117	16810	6.551	ug/l #	17
44) Trichloroethene	7.135	130	34665	17.245	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	1742	0.570	ug/l #	1
60) Dibromochloromethane	9.274	129	400	1.868	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	63306	26.722	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	63306	78.604	ug/l #	12

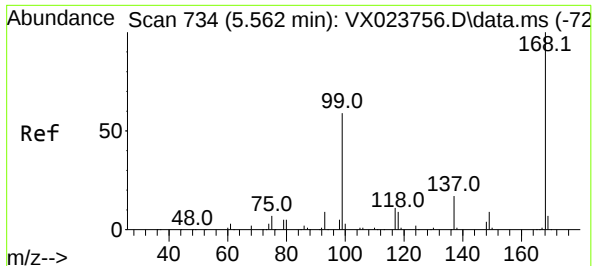
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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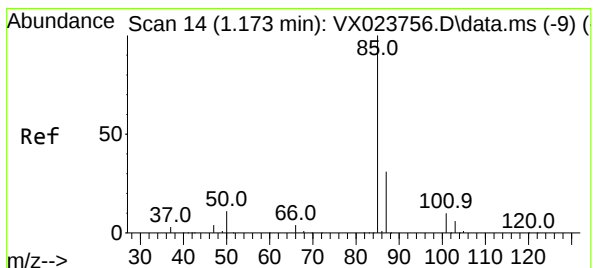
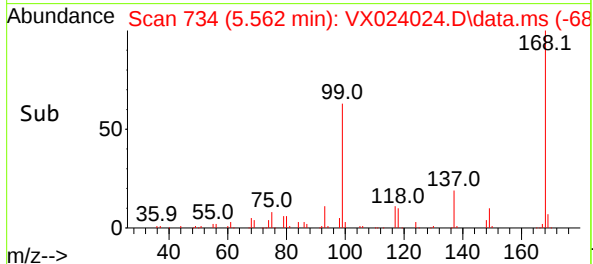
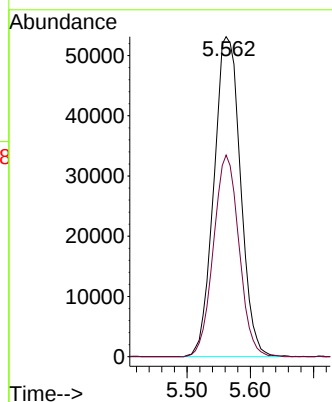
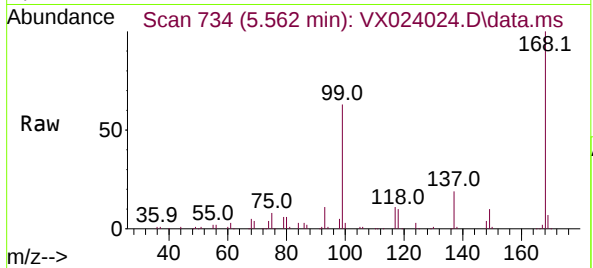




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

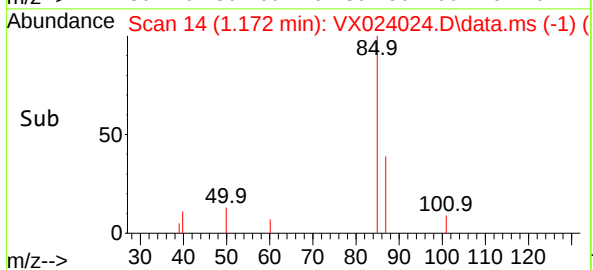
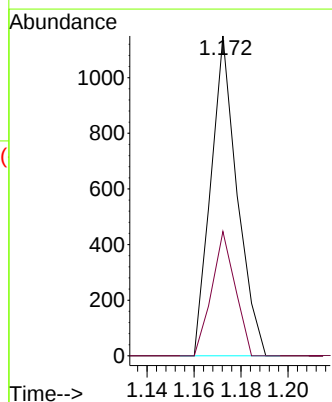
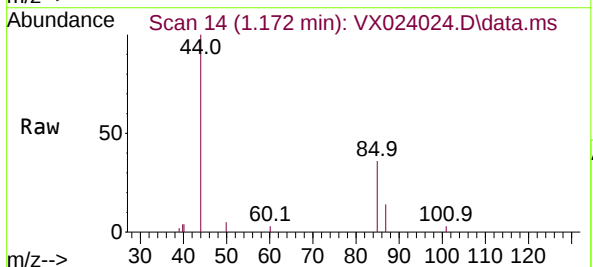
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MSVOA_X
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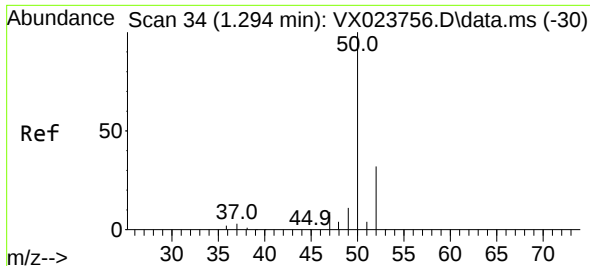
Tgt Ion:168 Resp: 155029
Ion Ratio Lower Upper
168 100
99 63.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.547 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 85 Resp: 895
Ion Ratio Lower Upper
85 100
87 38.9 16.4 49.2

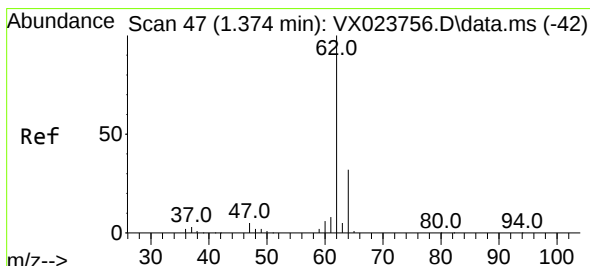
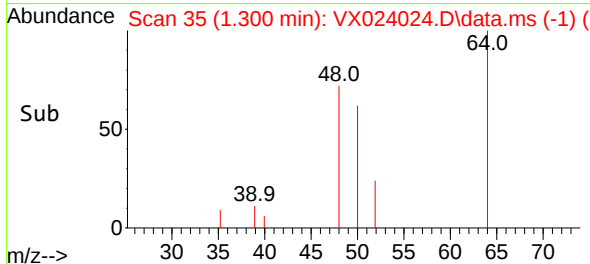
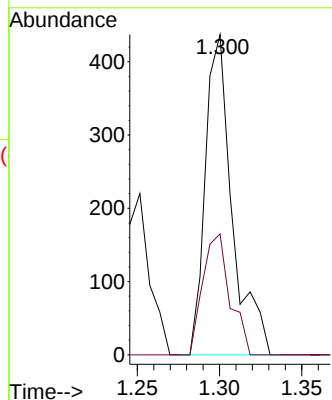
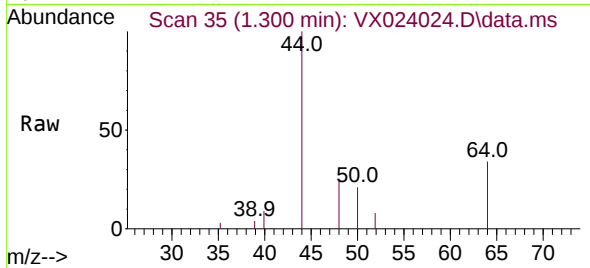




#3
Chloromethane
Concen: 0.276 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

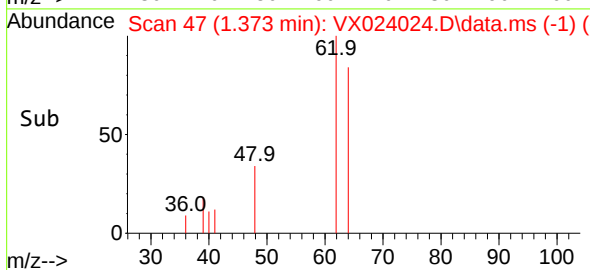
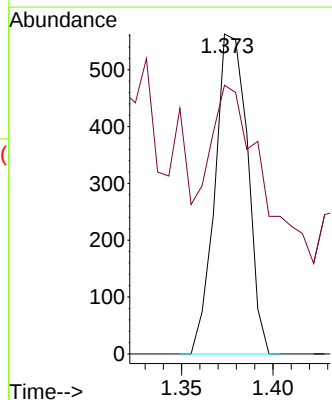
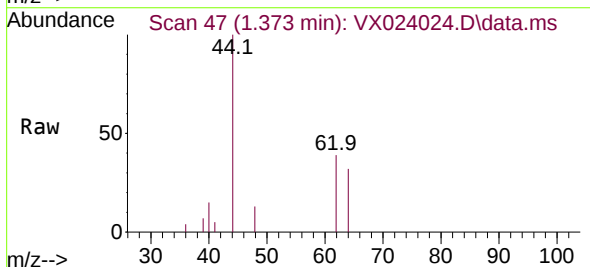
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5T-20210827

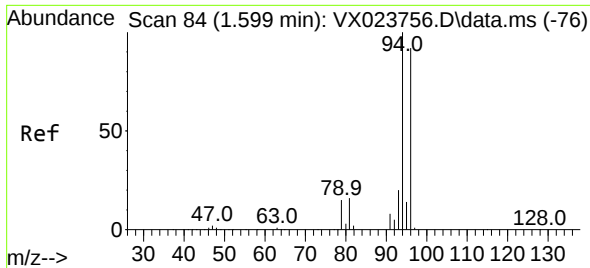
Tgt Ion: 50 Resp: 496
Ion Ratio Lower Upper
50 100
52 37.8 26.4 39.6



#4
Vinyl Chloride
Concen: 0.397 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 62 Resp: 696
Ion Ratio Lower Upper
62 100
64 41.0 25.7 38.5#

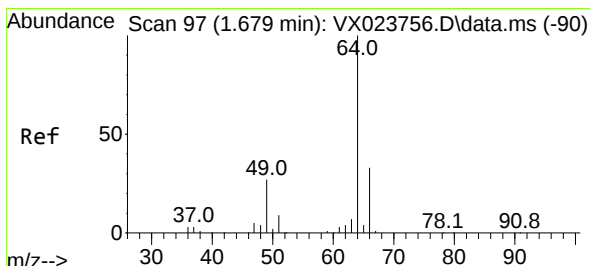
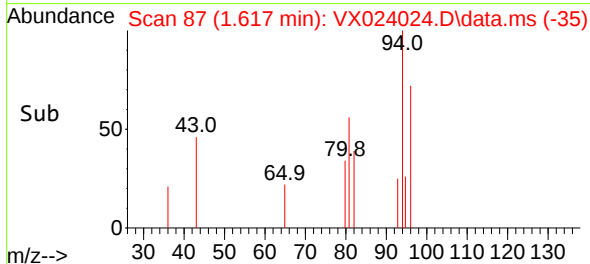
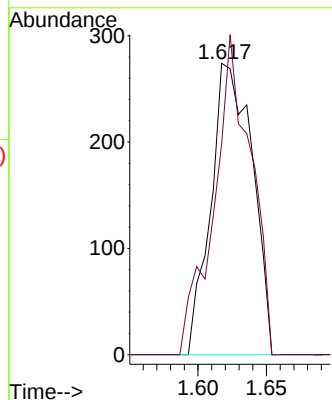
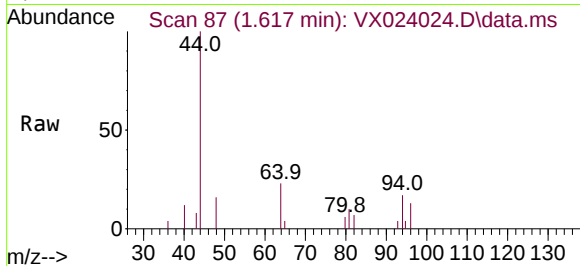




#5
Bromomethane
Concen: 0.524 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

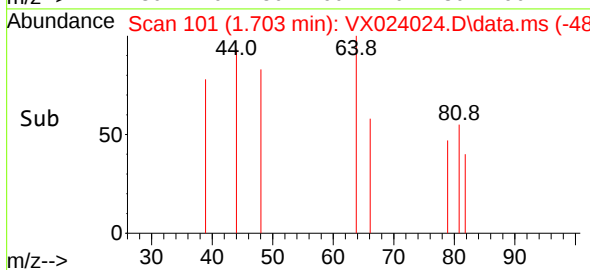
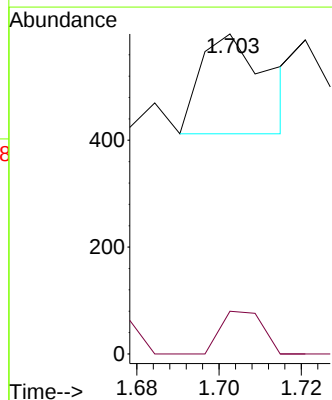
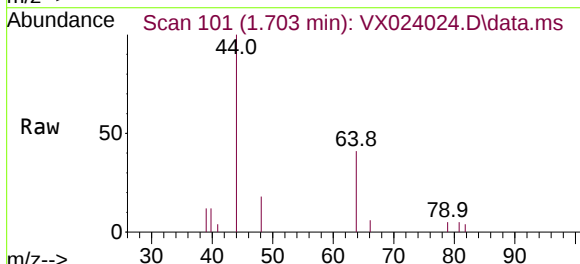
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5T-20210827

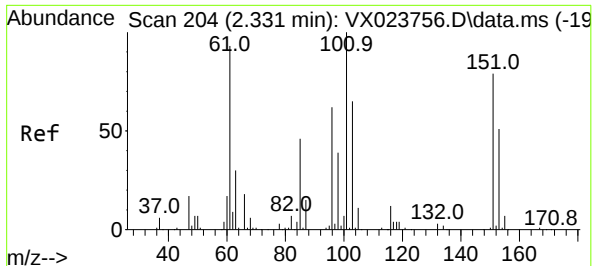
Tgt Ion: 94 Resp: 577
Ion Ratio Lower Upper
94 100
96 72.3 76.4 114.6#



#6
Chloroethane
Concen: 2.356 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 64 Resp: 212
Ion Ratio Lower Upper
64 100
66 42.8 25.4 38.0#

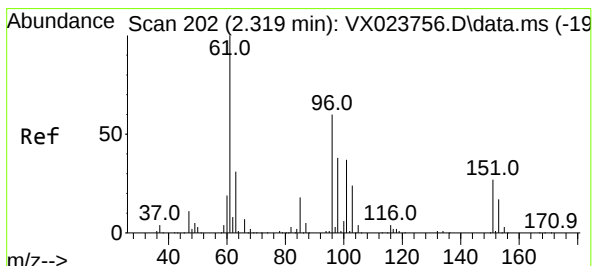
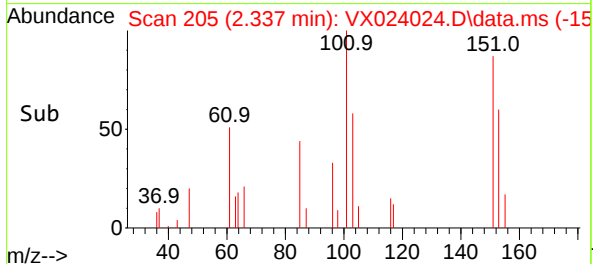
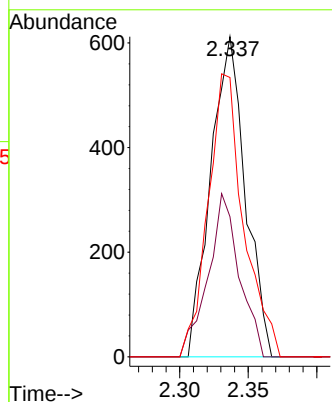
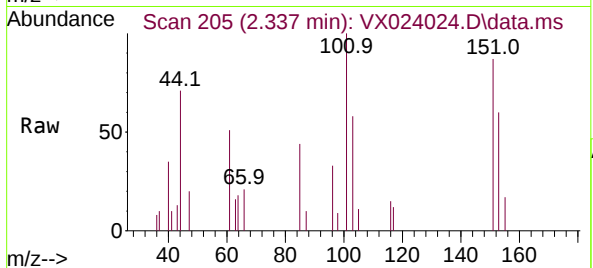




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.693 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

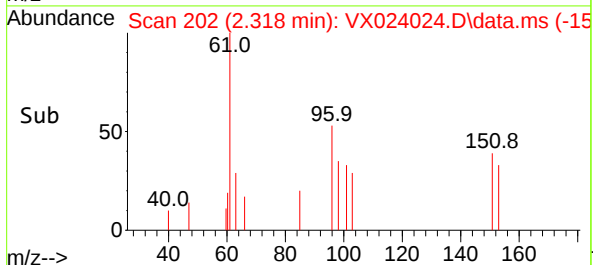
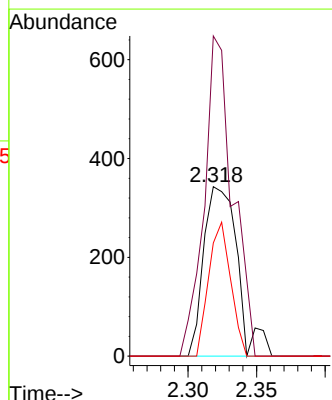
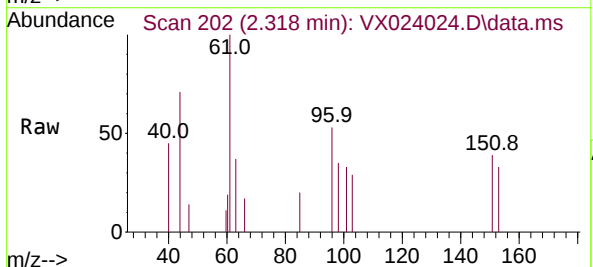
Instrument :
MSVOA_X
ClientSampleId :
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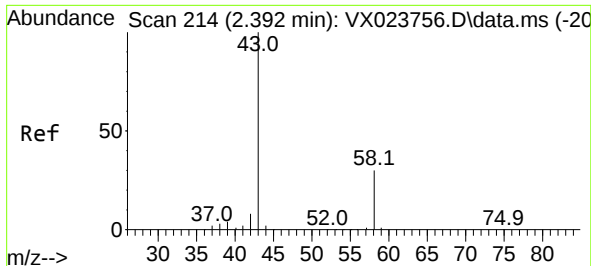
Tgt Ion:101 Resp: 1078
Ion Ratio Lower Upper
101 100
85 46.0 34.9 52.3
151 90.4 61.4 92.2



#12
1,1-Dichloroethene
Concen: 0.396 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.001 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 96 Resp: 589
Ion Ratio Lower Upper
96 100
61 188.9 124.6 187.0#
98 66.8 50.6 76.0

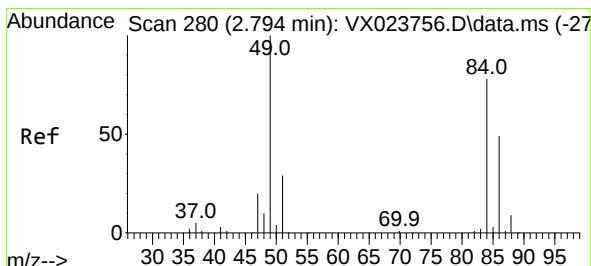
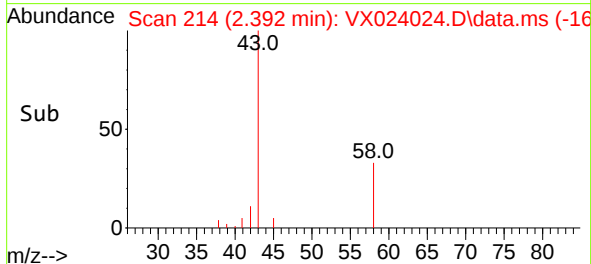
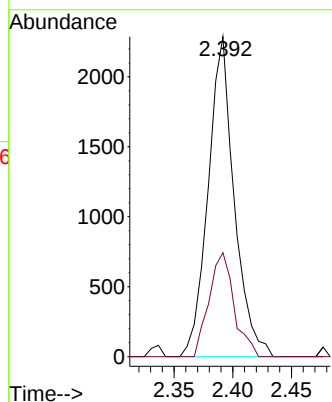
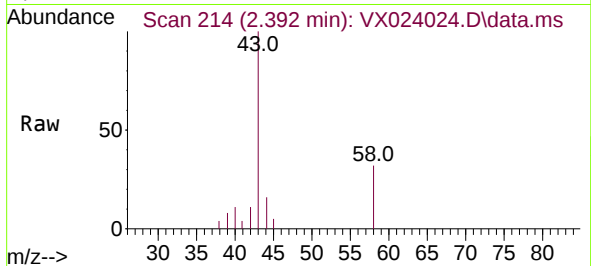




#16
Acetone
Concen: 3.657 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

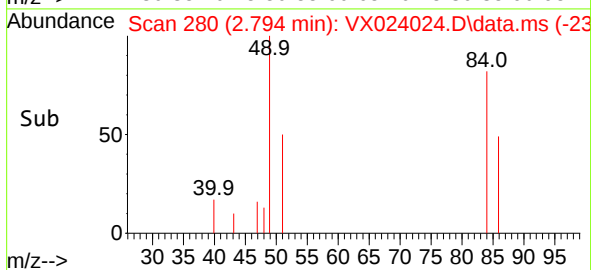
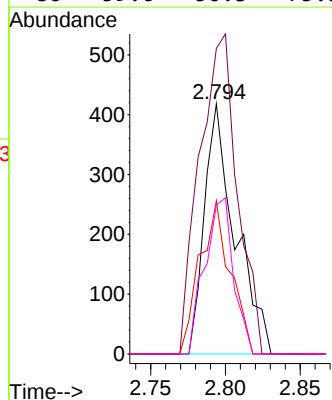
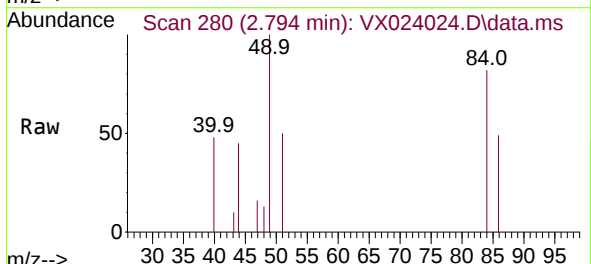
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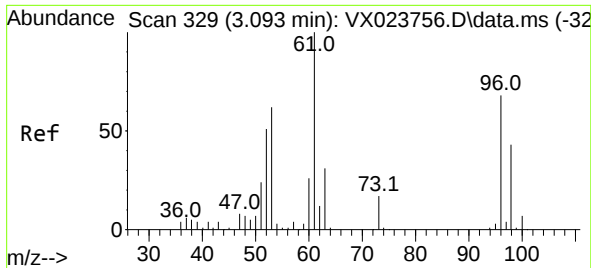
Tgt Ion: 43 Resp: 3538
Ion Ratio Lower Upper
43 100
58 32.5 27.8 41.8



#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 84 Resp: 600
Ion Ratio Lower Upper
84 100
49 122.2 88.6 132.8
51 61.2 27.0 40.6#
86 59.6 50.3 75.5

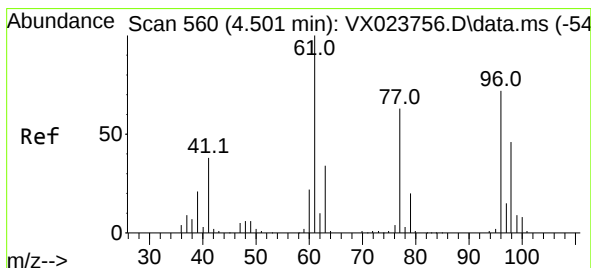
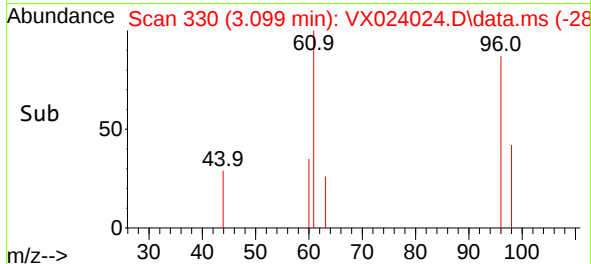
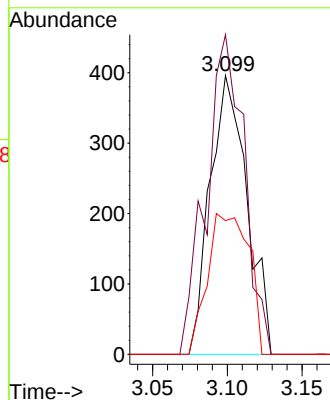
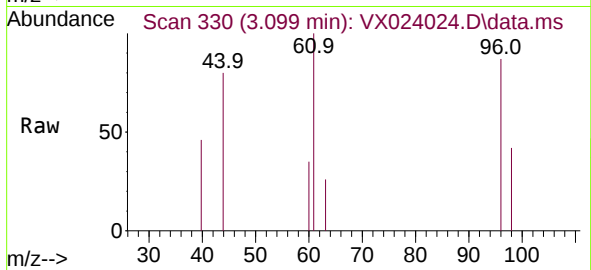




#21
trans-1,2-Dichloroethene
Concen: 0.427 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

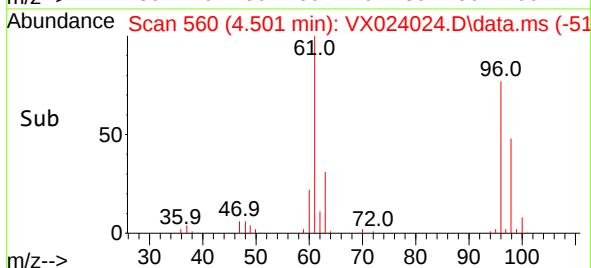
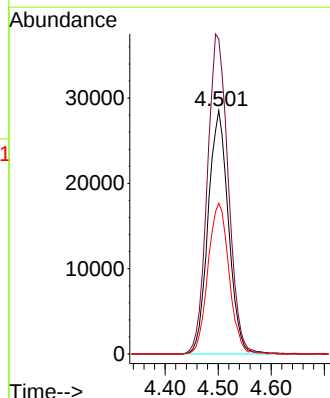
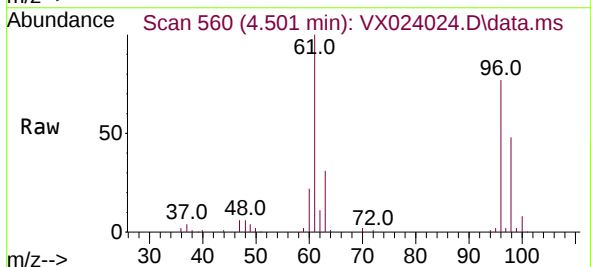
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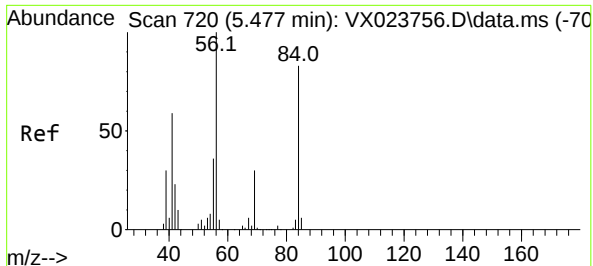
Tgt Ion: 96 Resp: 679
Ion Ratio Lower Upper
96 100
61 114.6 107.7 161.5
98 48.0 50.4 75.6#



#27
cis-1,2-Dichloroethene
Concen: 40.120 ug/l
RT: 4.501 min Scan# 560
Delta R.T. -0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 96 Resp: 75867
Ion Ratio Lower Upper
96 100
61 135.5 0.0 285.6
98 64.2 0.0 129.6

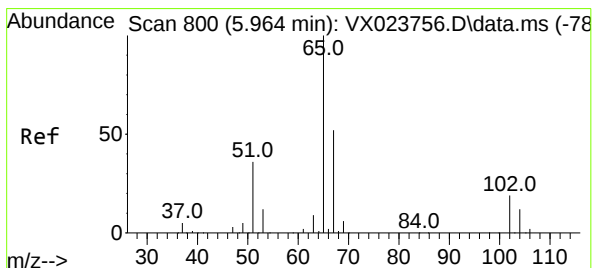
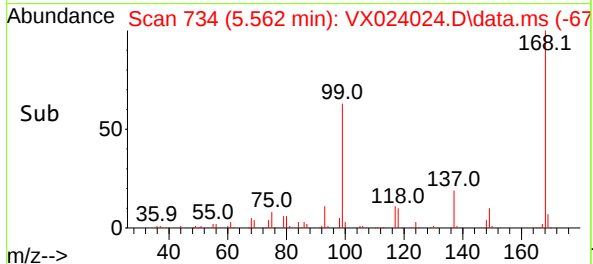
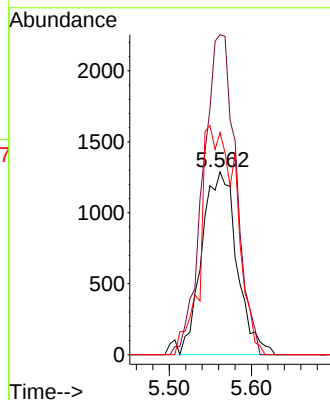
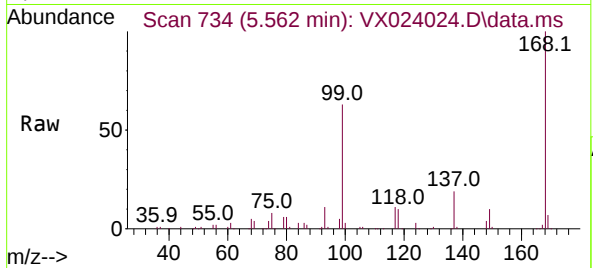




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

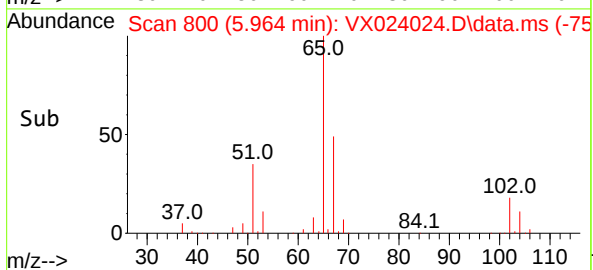
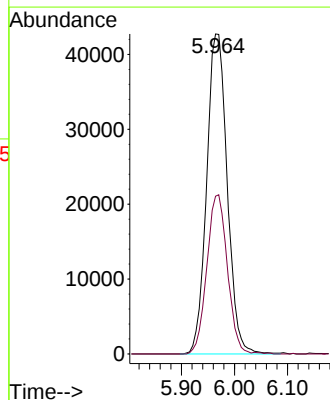
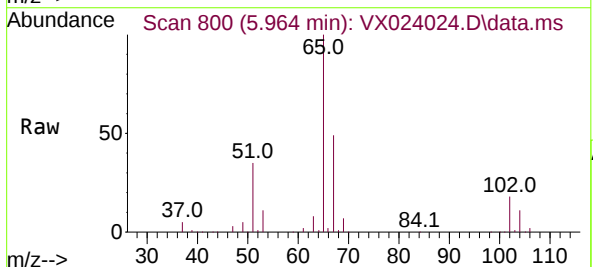
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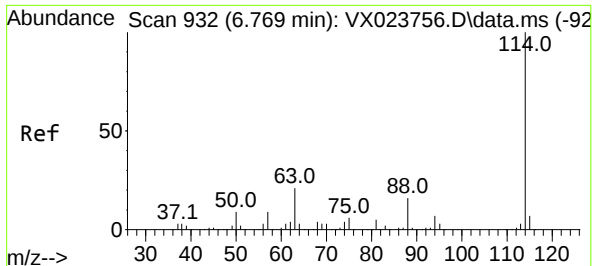
Tgt Ion: 56 Resp: 3797
Ion Ratio Lower Upper
56 100
69 175.1 25.3 37.9#
84 121.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.130 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 65 Resp: 114959
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

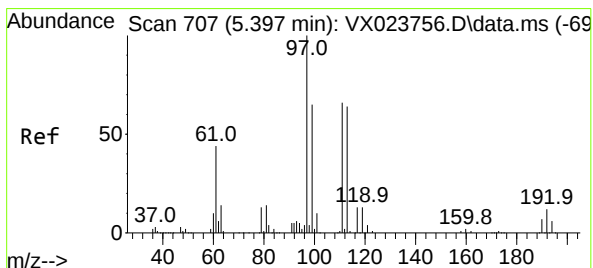
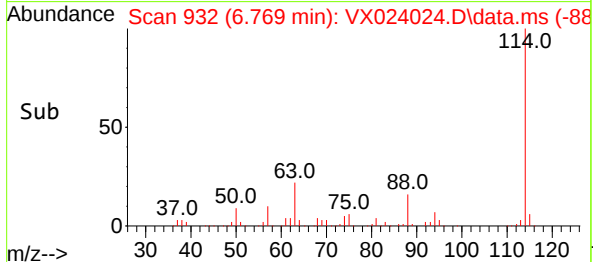
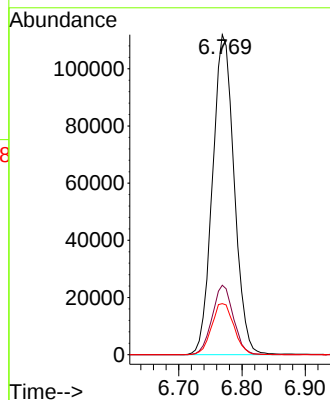
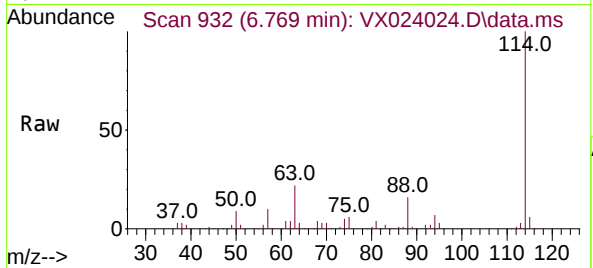




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

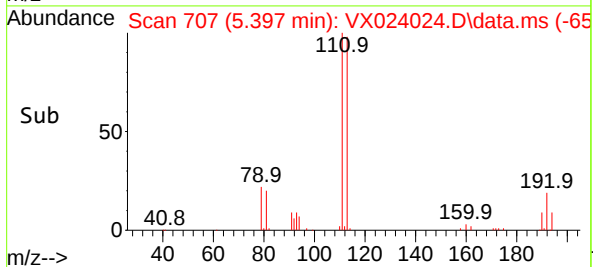
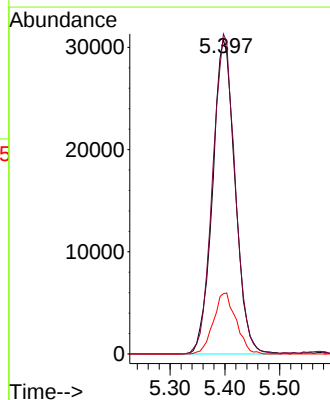
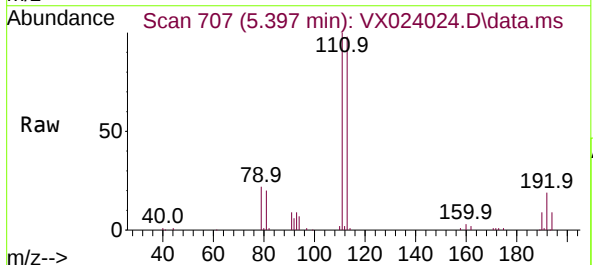
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5T-20210827

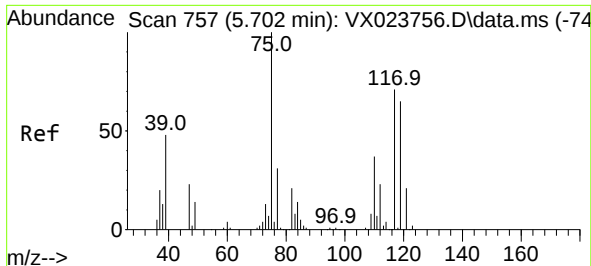
Tgt Ion:114 Resp: 265738
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion:113 Resp: 87673
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.134 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024024.D

Acq: 30 Aug 2021 19:01

Tgt Ion: 75 Resp: 12634

Ion Ratio Lower Upper

75 100

110 3.9 18.1 54.4#

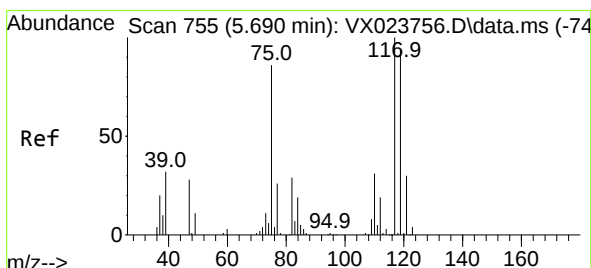
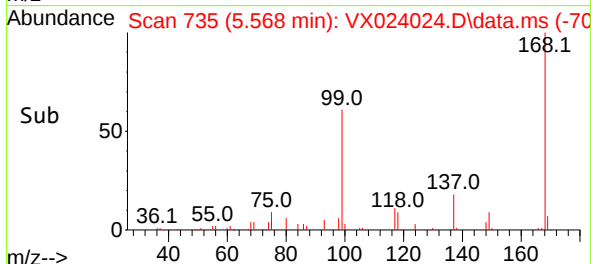
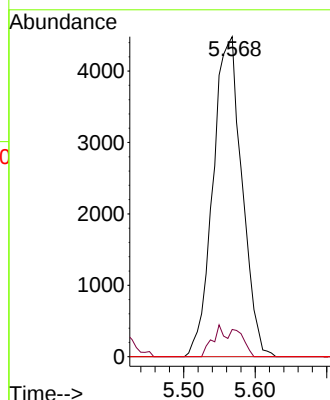
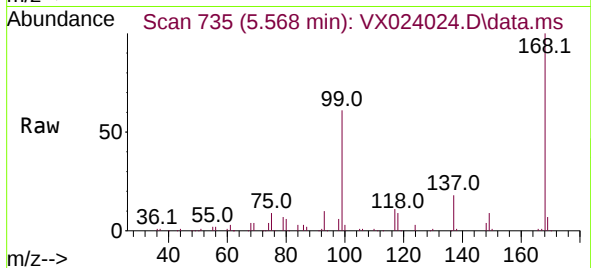
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5T-20210827



#38

Carbon Tetrachloride

Concen: 6.551 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX024024.D

Acq: 30 Aug 2021 19:01

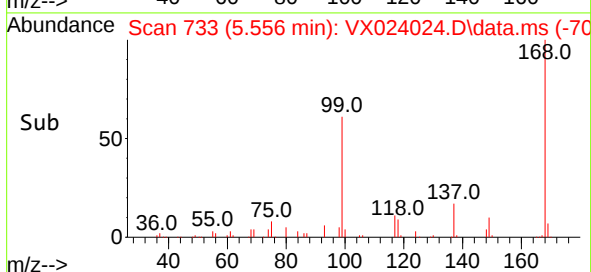
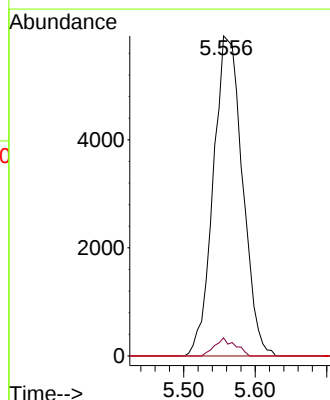
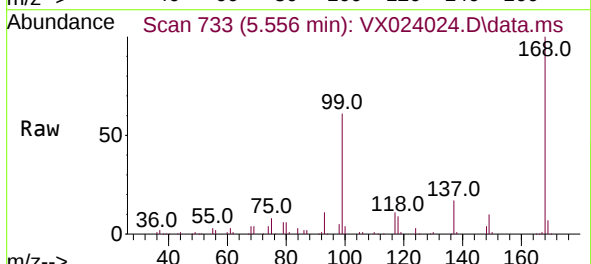
Tgt Ion: 117 Resp: 16810

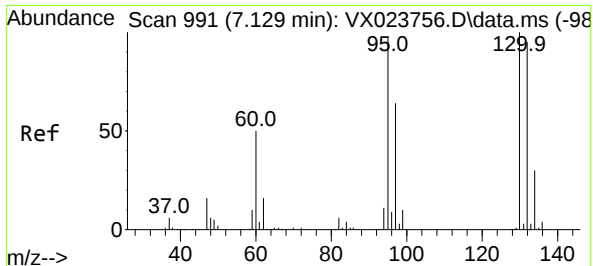
Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 24.8 37.2#

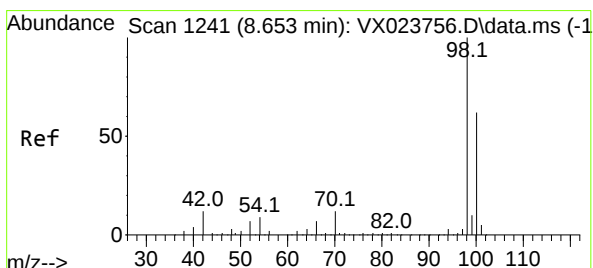
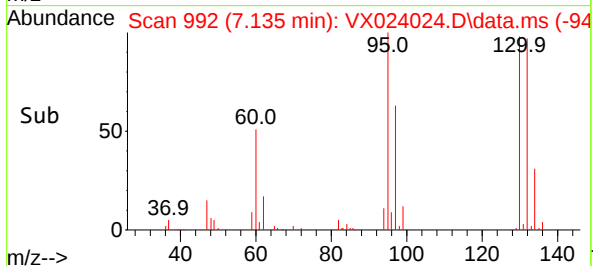
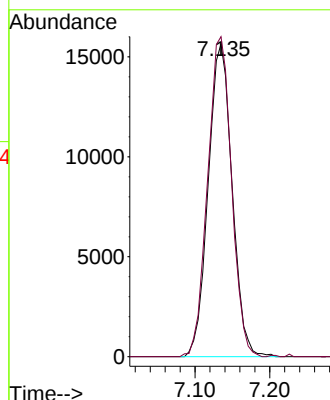
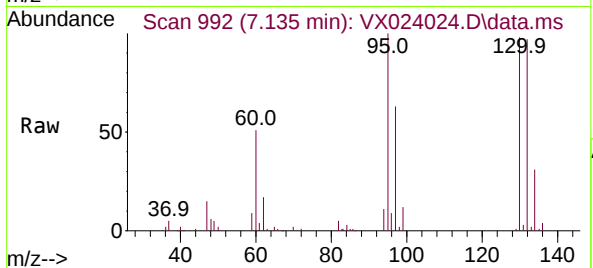




#44
Trichloroethene
Concen: 17.245 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

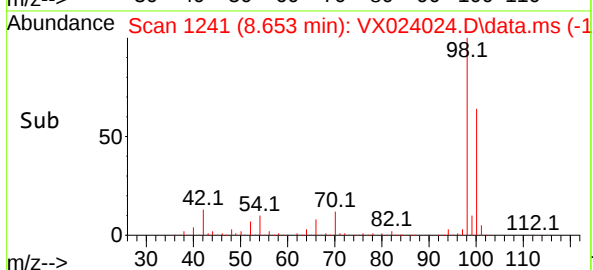
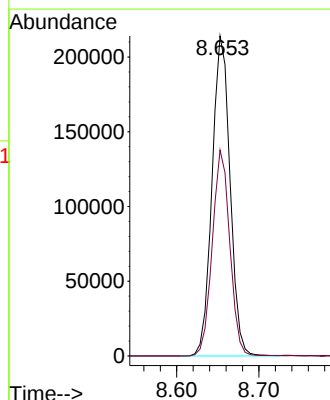
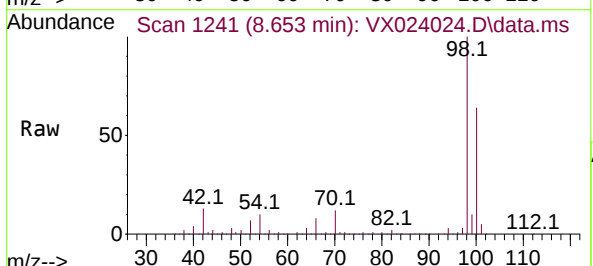
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5T-20210827

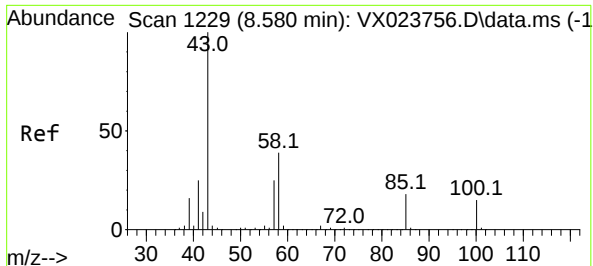
Tgt Ion:130 Resp: 34665
Ion Ratio Lower Upper
130 100
95 102.3 0.0 198.0



#50
Toluene-d8
Concen: 48.571 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 98 Resp: 325150
Ion Ratio Lower Upper
98 100
100 62.8 51.9 77.9

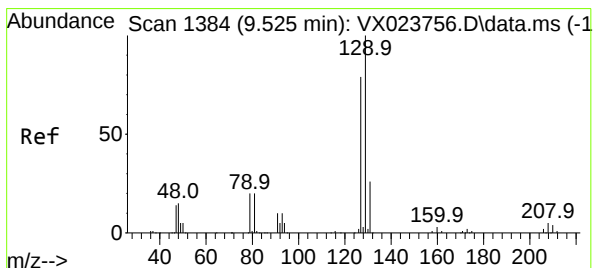
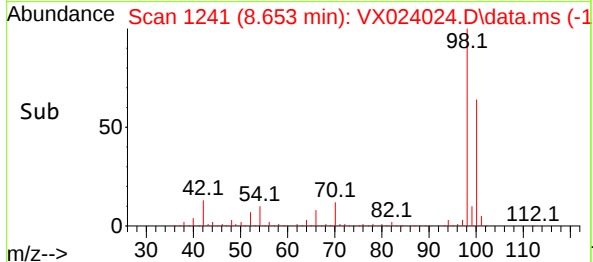
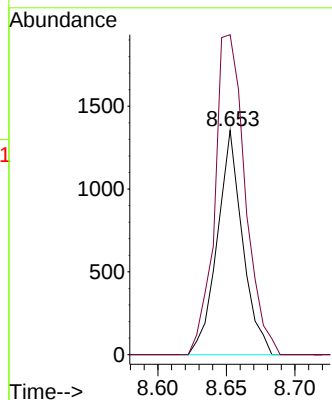
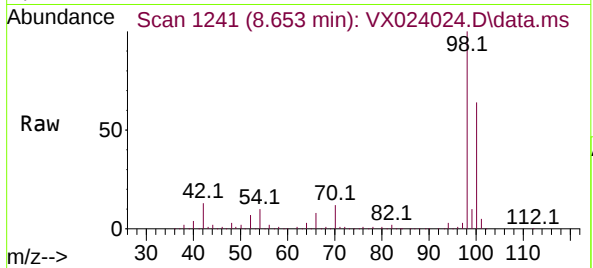




#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

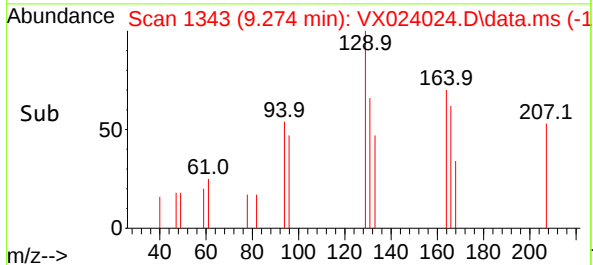
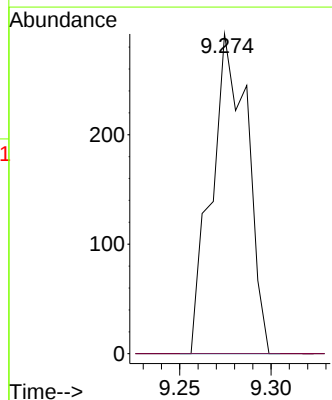
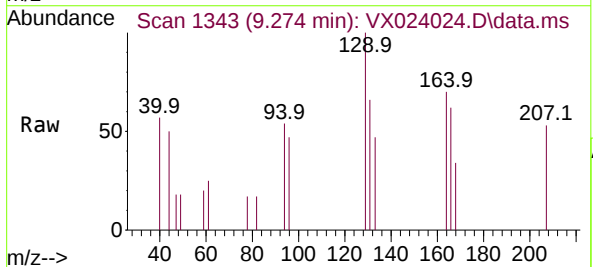
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5T-20210827

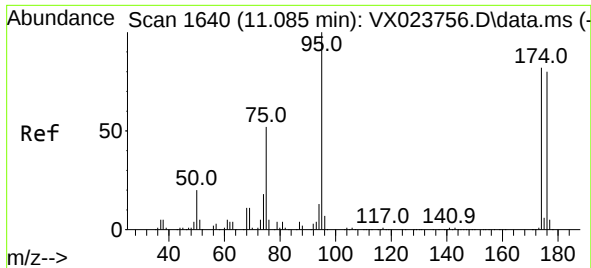
Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 171.5 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.868 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 129 Resp: 400
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

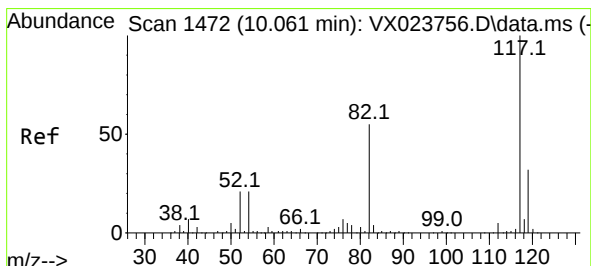
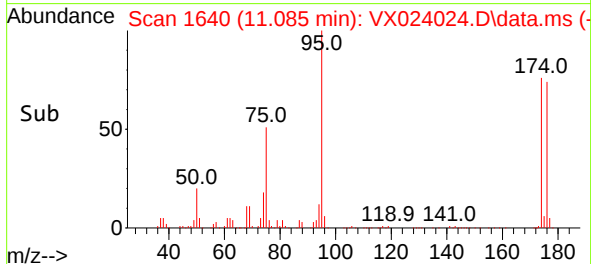
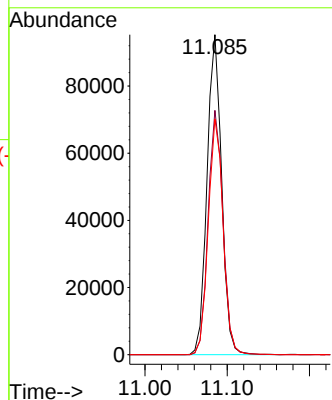
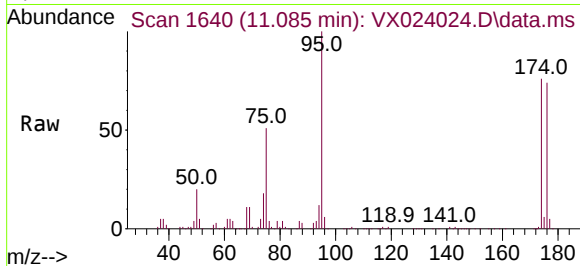




#62
4-Bromofluorobenzene
Concen: 47.649 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

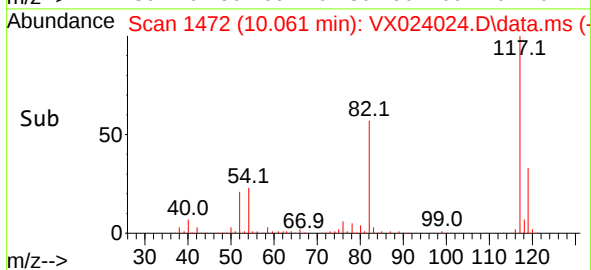
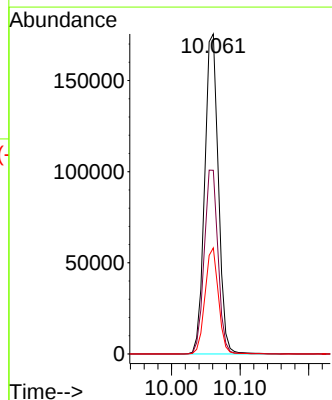
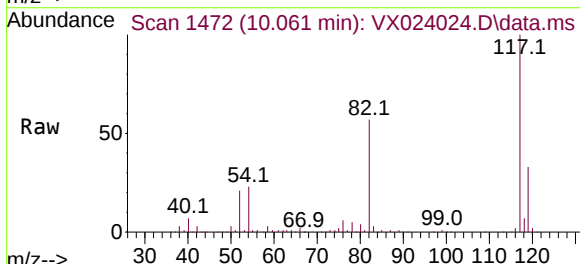
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5T-20210827

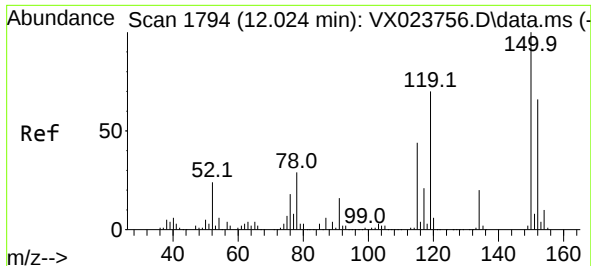
Tgt Ion: 95 Resp: 117424
Ion Ratio Lower Upper
95 100
174 77.8 0.0 154.6
176 75.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX024024.D
Acq: 30 Aug 2021 19:01

Tgt Ion: 117 Resp: 244297
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 33.2 26.6 39.8

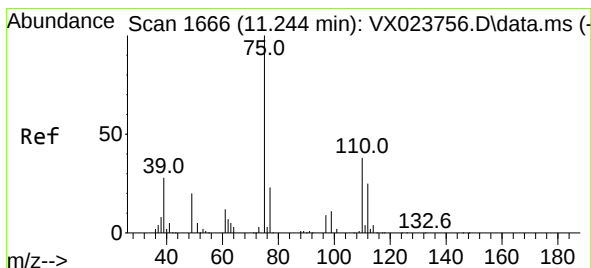
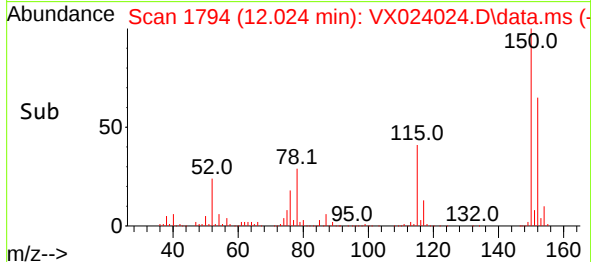
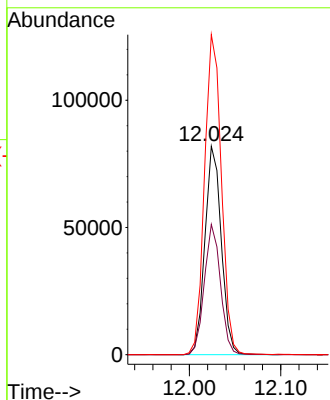
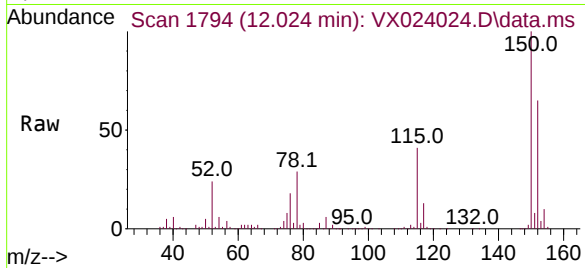




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX024024.D
 Acq: 30 Aug 2021 19:01

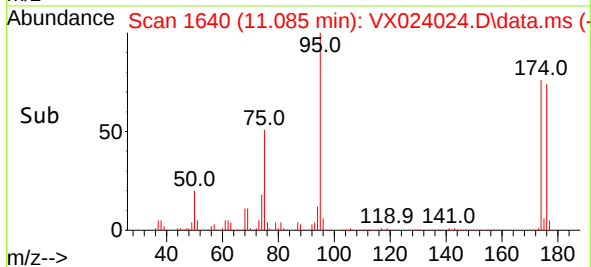
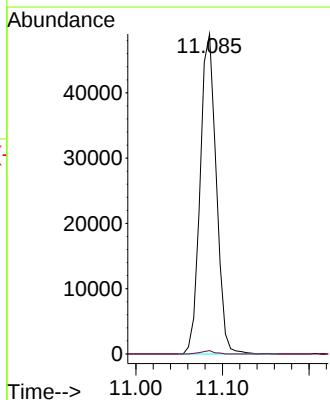
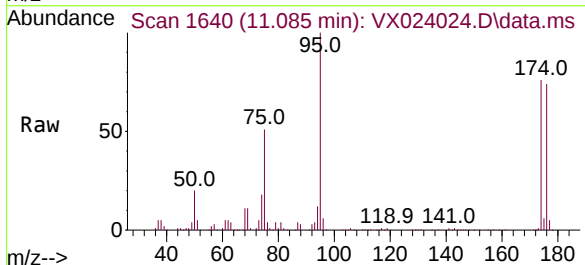
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-121.5T-20210827

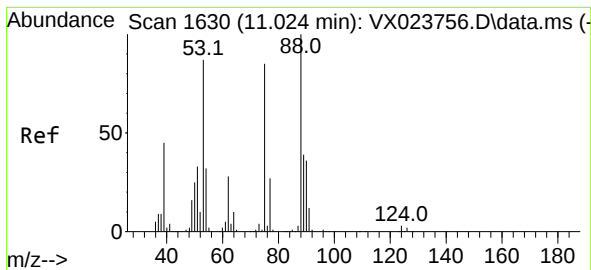
Tgt Ion:152 Resp: 101557
 Ion Ratio Lower Upper
 152 100
 115 61.8 41.1 123.3
 150 158.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.722 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024024.D
 Acq: 30 Aug 2021 19:01

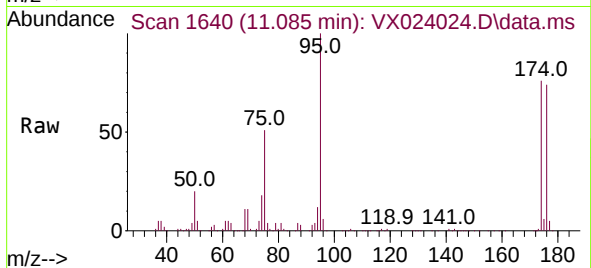
Tgt Ion: 75 Resp: 63306
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.604 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024024.D
 Acq: 30 Aug 2021 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-121.5T-20210827



Tgt Ion: 75 Resp: 63306
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

