

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083021\
 Data File : VX024020.D
 Acq On : 30 Aug 2021 17:27
 Operator : JC/MD
 Sample : M3583-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117T-20210827

Quant Time: Aug 31 03:12:33 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)

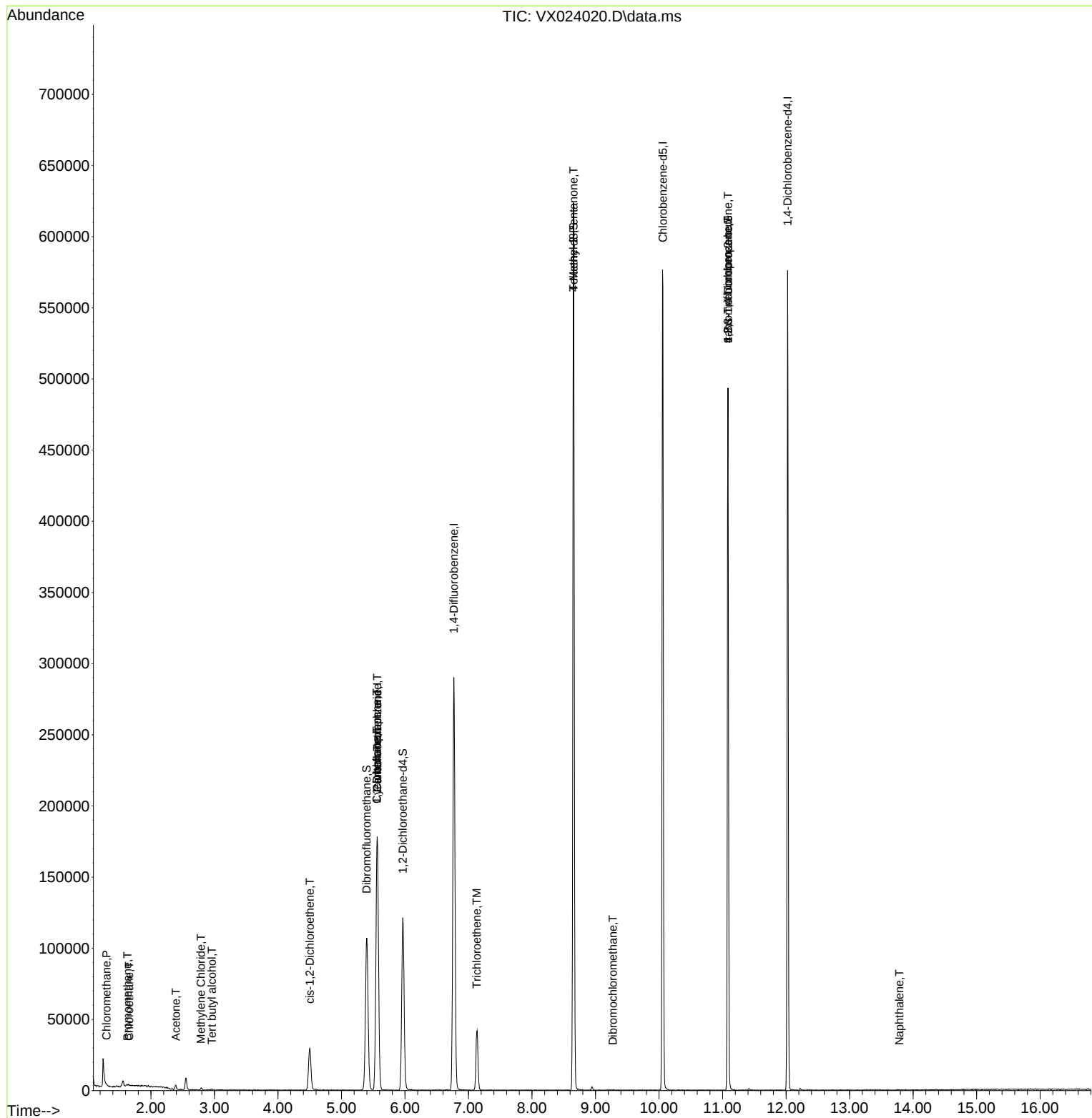
Internal Standards						
1) Pentafluorobenzene	5.562	168	165766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	280426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	259332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	120154	51.934	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.860%			
35) Dibromofluoromethane	5.397	113	92938	50.073	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.140%			
50) Toluene-d8	8.653	98	344873	48.819	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.085	95	125803	48.375	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.760%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	526	0.274	ug/l	91
5) Bromomethane	1.630	94	476	0.404	ug/l	97
6) Chloroethane	1.654	64	427	2.478	ug/l #	58
11) Tert butyl alcohol	2.959	59	342	0.731	ug/l #	73
16) Acetone	2.392	43	3276	3.167	ug/l #	84
20) Methylene Chloride	2.788	84	694	0.351	ug/l #	88
27) cis-1,2-Dichloroethene	4.501	96	18202	9.002	ug/l	96
31) Cyclohexane	5.556	56	3974	1.337	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	13379	5.152	ug/l #	50
38) Carbon Tetrachloride	5.562	117	17083	6.308	ug/l #	16
44) Trichloroethene	7.129	130	16268	7.669	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1879	0.582	ug/l #	1
60) Dibromochloromethane	9.275	129	92	1.727	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	67888	25.926	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	67888	76.262	ug/l #	12
95) Naphthalene	13.786	128	25	1.285	ug/l #	69

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

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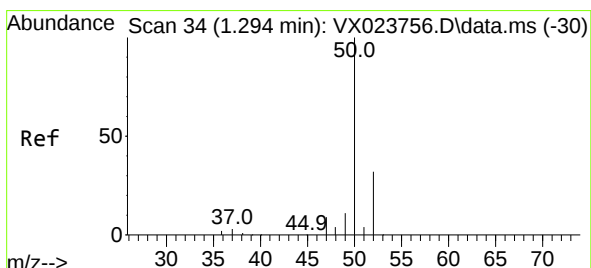
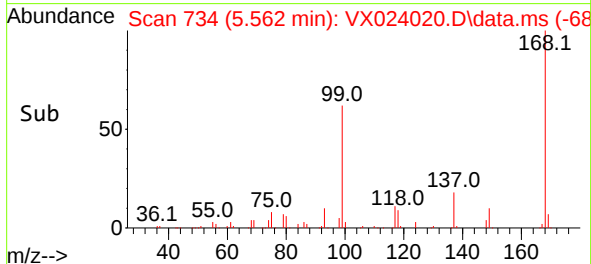
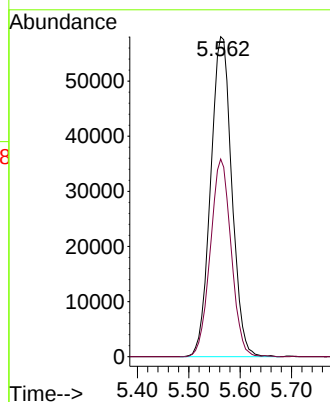
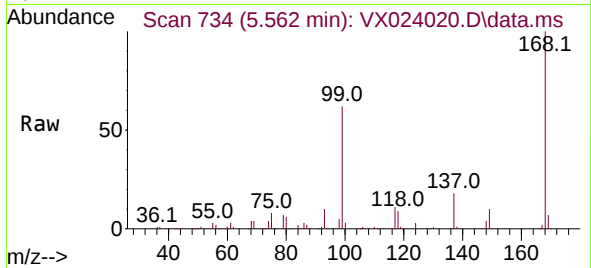




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

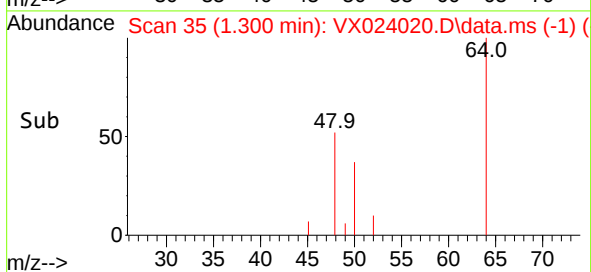
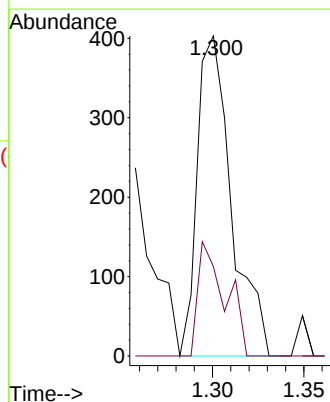
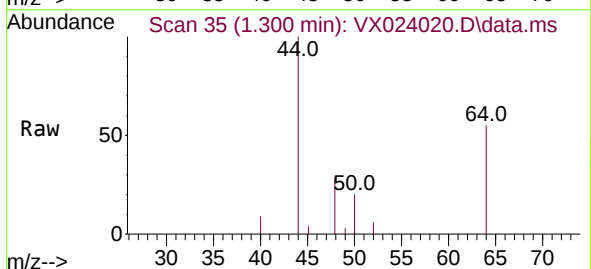
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20210827

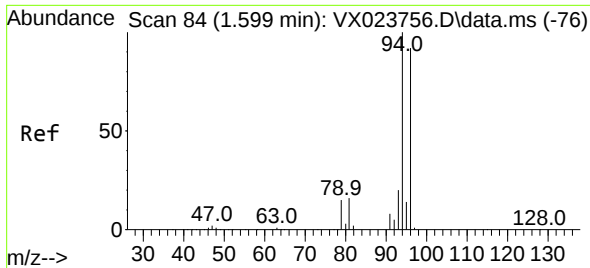
Tgt Ion:168 Resp: 165766
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#3
Chloromethane
Concen: 0.274 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 28.0 26.4 39.6

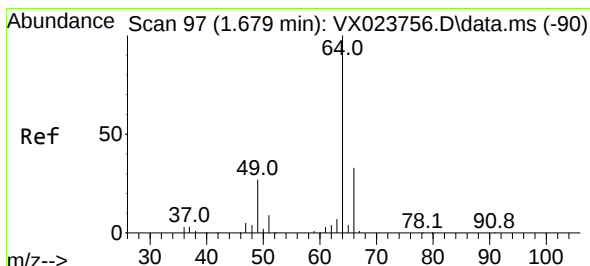
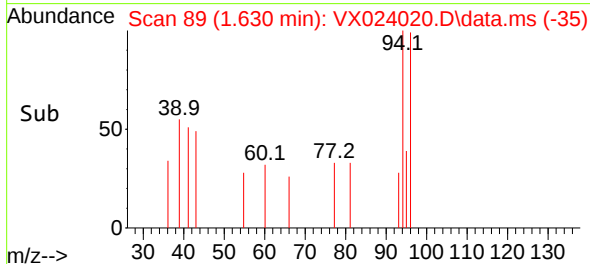
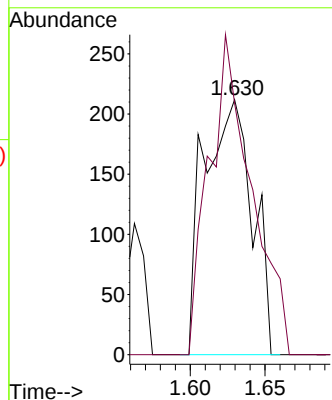
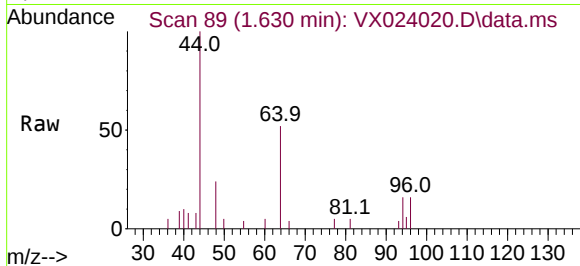




#5
Bromomethane
Concen: 0.404 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

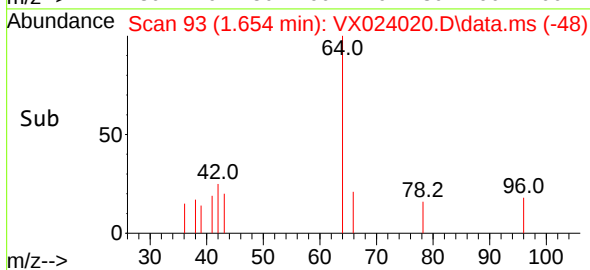
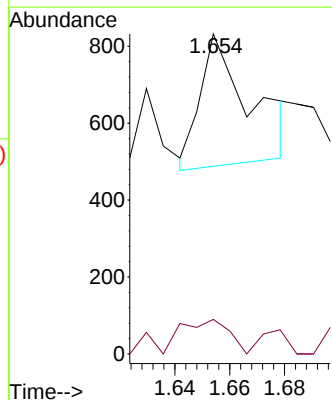
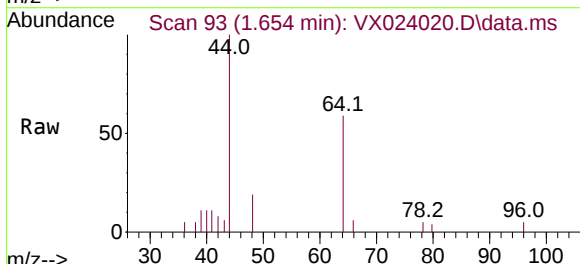
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20210827

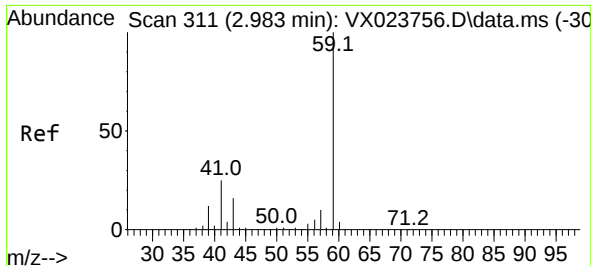
Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 98.6 76.4 114.6



#6
Chloroethane
Concen: 2.478 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 64 Resp: 427
Ion Ratio Lower Upper
64 100
66 8.4 25.4 38.0#



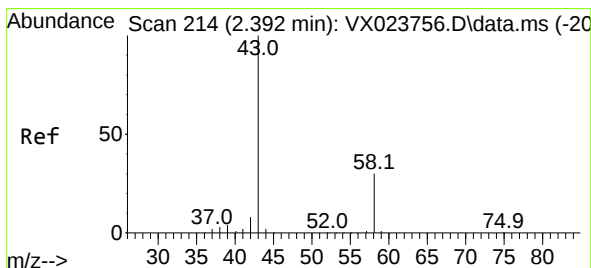
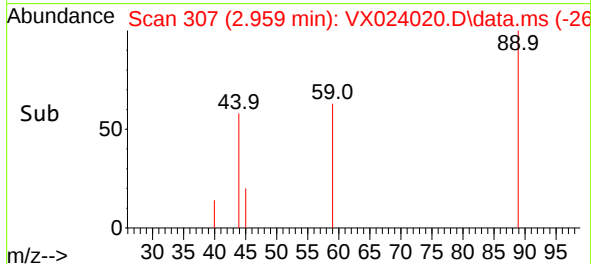
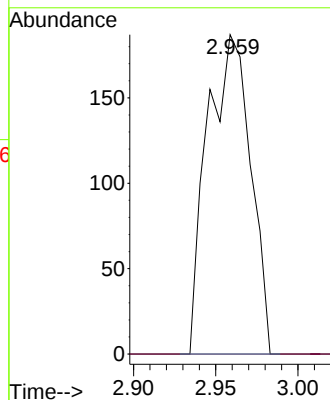
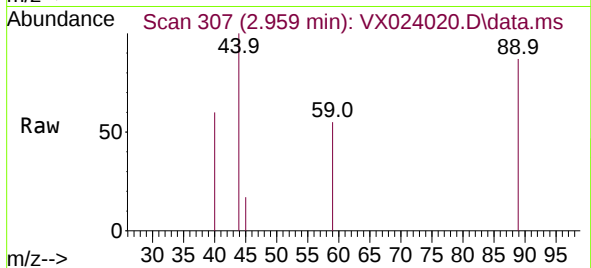


#11

Tert butyl alcohol
Concen: 0.731 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20210827

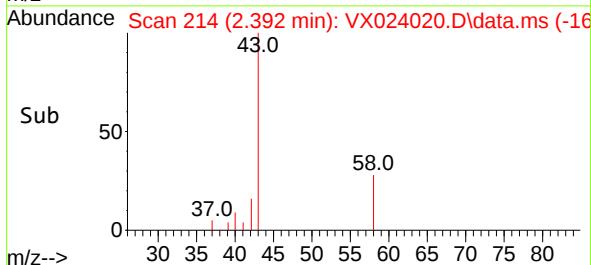
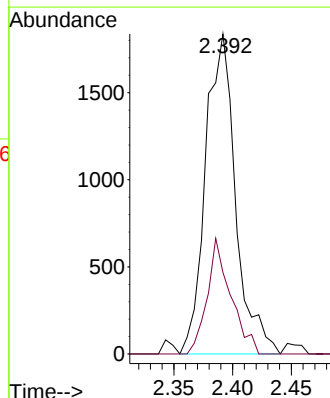
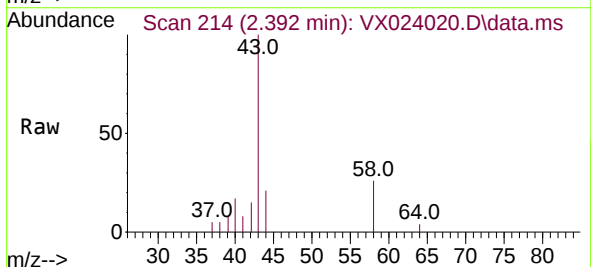
Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

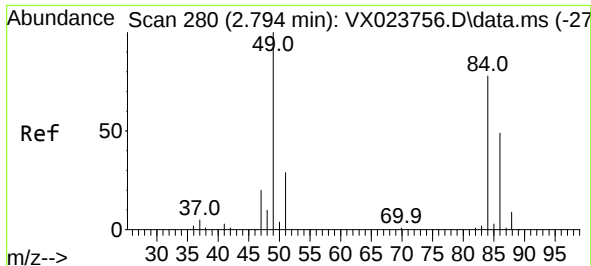


#16

Acetone
Concen: 3.167 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 43 Resp: 3276
Ion Ratio Lower Upper
43 100
58 25.5 27.8 41.8#





#20

Methylene Chloride

Concen: 0.351 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX024020.D

Acq: 30 Aug 2021 17:27

Tgt Ion: 84 Resp: 694

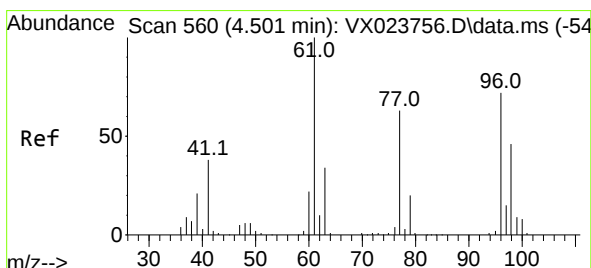
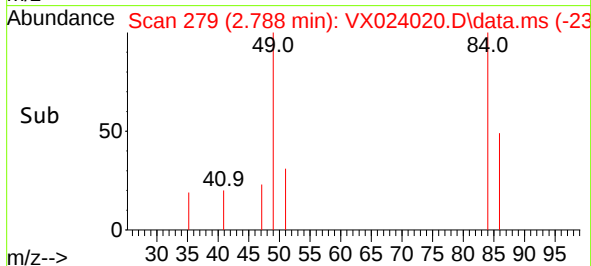
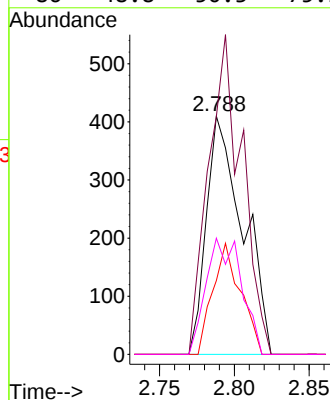
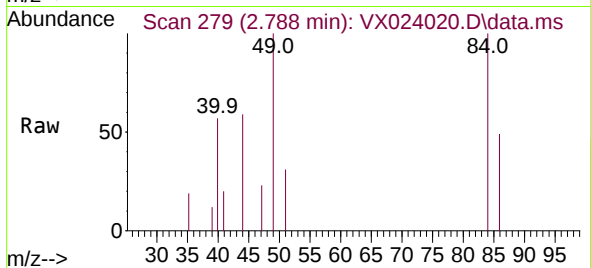
Ion Ratio Lower Upper

84 100

49 99.8 88.6 132.8

51 31.0 27.0 40.6

86 48.8 50.3 75.5#



#27

cis-1,2-Dichloroethene

Concen: 9.002 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX024020.D

Acq: 30 Aug 2021 17:27

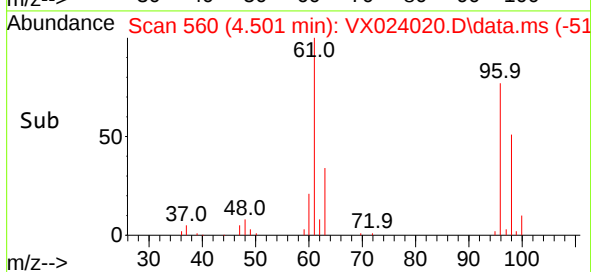
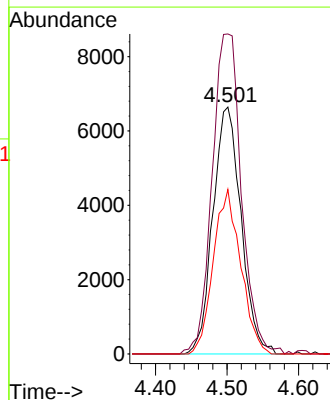
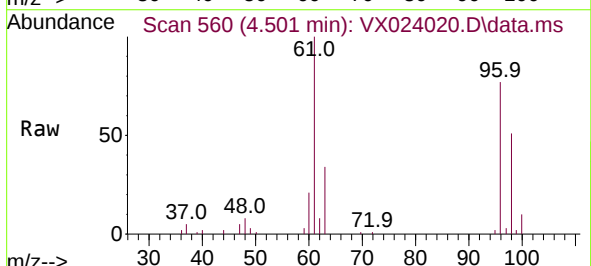
Tgt Ion: 96 Resp: 18202

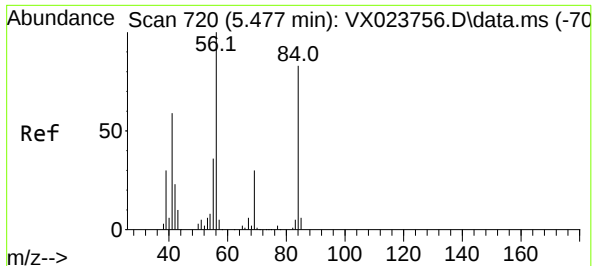
Ion Ratio Lower Upper

96 100

61 134.8 0.0 285.6

98 64.8 0.0 129.6

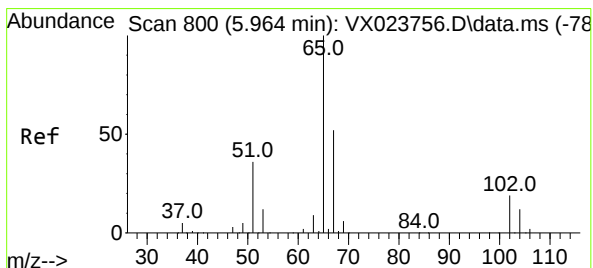
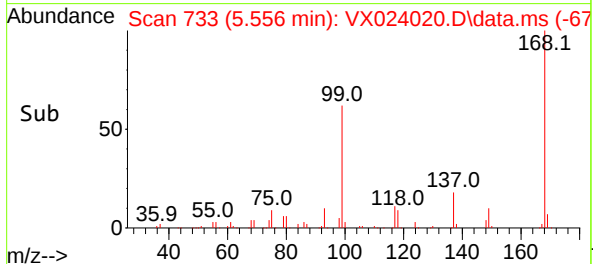
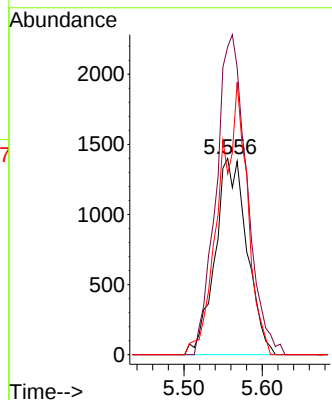
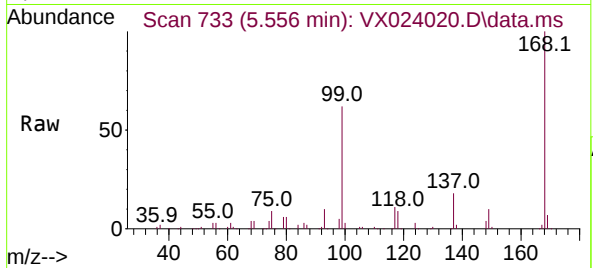




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

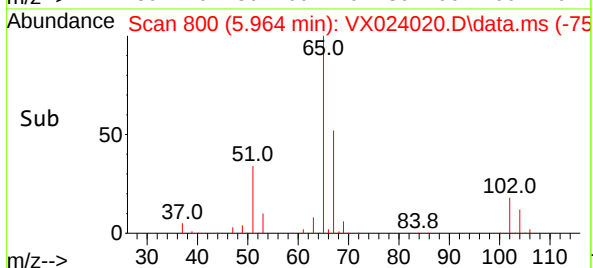
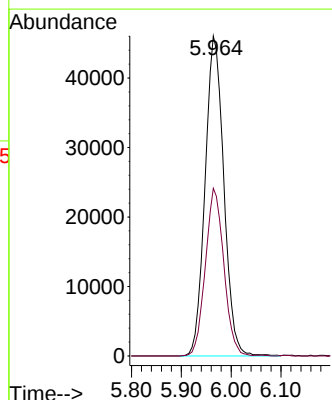
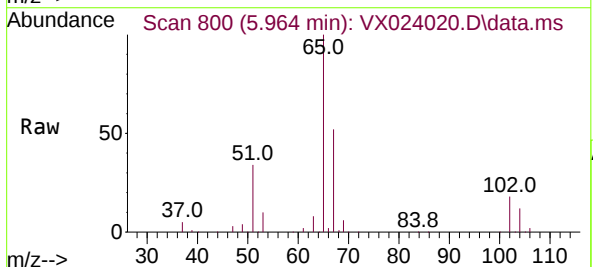
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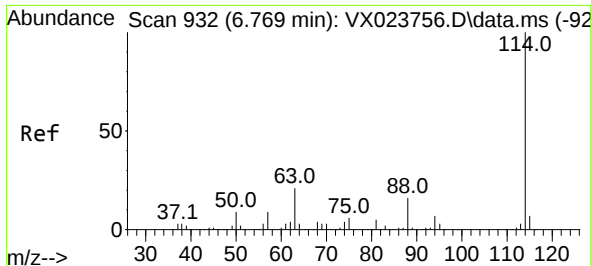
Tgt Ion: 56 Resp: 3974
Ion Ratio Lower Upper
56 100
69 157.0 25.3 37.9#
84 92.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.934 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 65 Resp: 120154
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

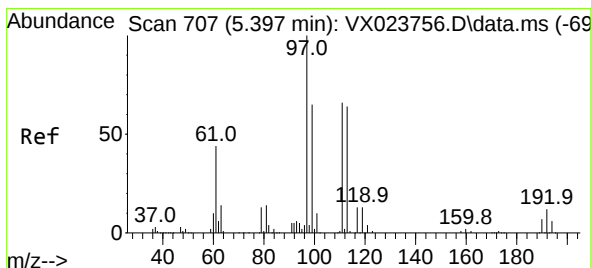
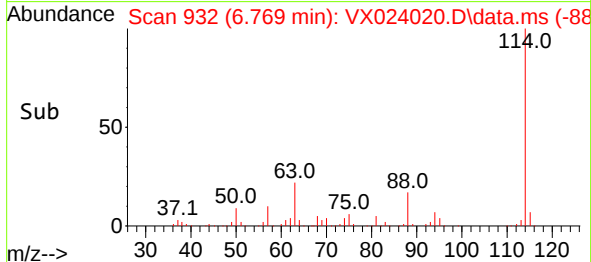
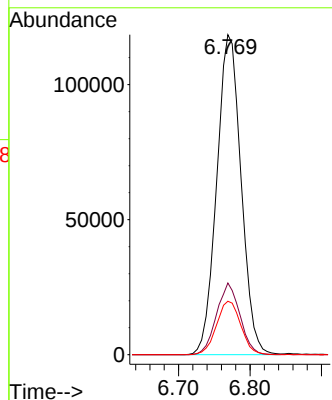
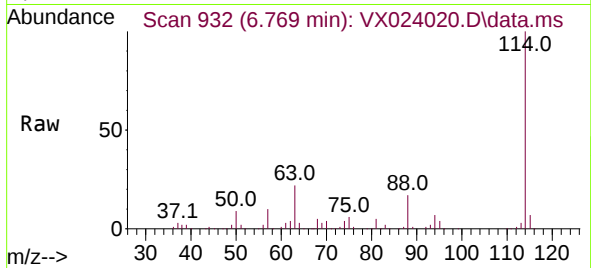




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

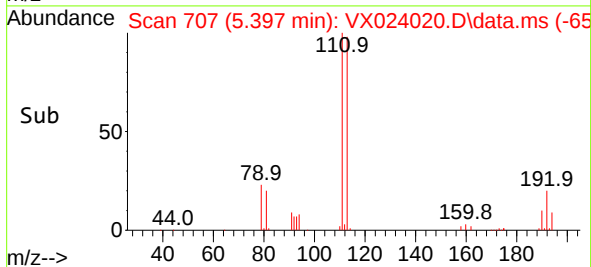
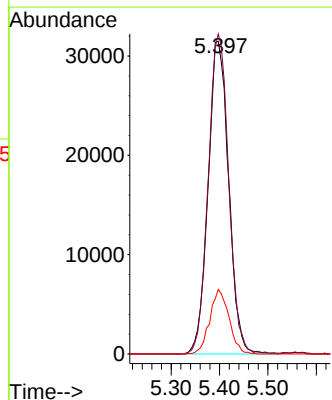
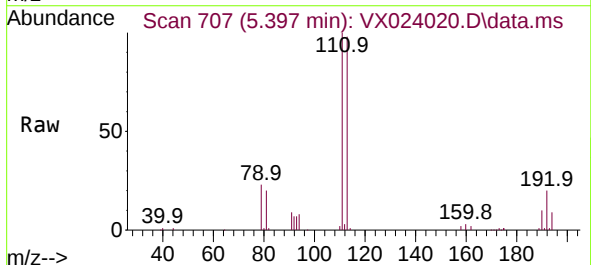
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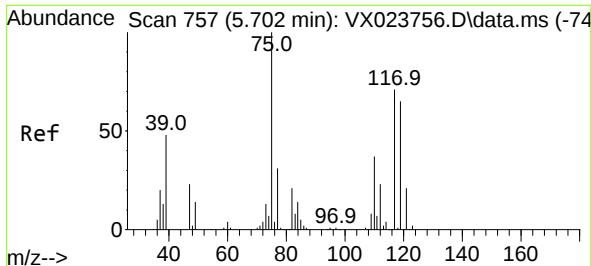
Tgt Ion:114 Resp: 280426
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.073 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion:113 Resp: 92938
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.152 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024020.D

Acq: 30 Aug 2021 17:27

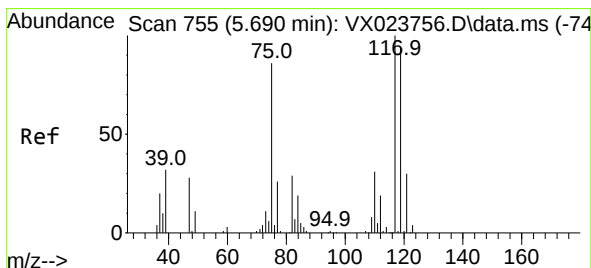
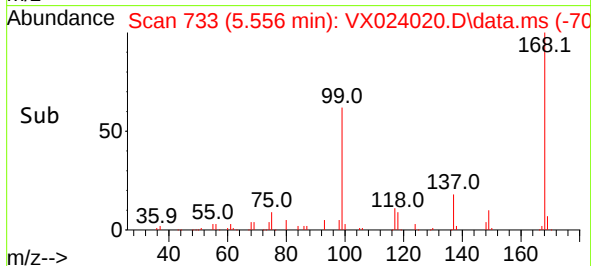
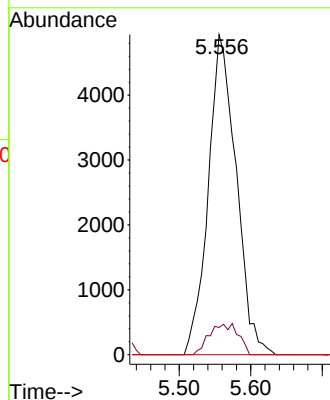
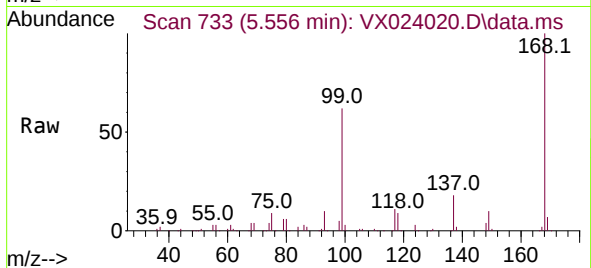
Tgt Ion: 75 Resp: 13379

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.308 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX024020.D

Acq: 30 Aug 2021 17:27

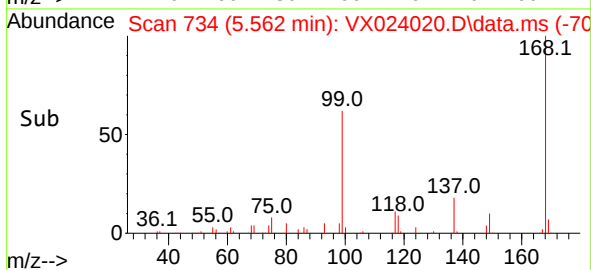
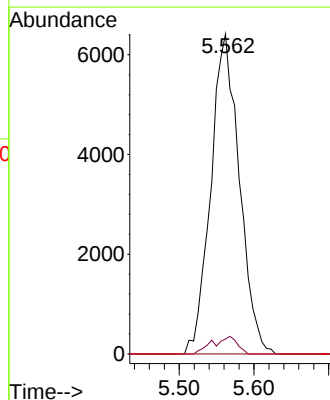
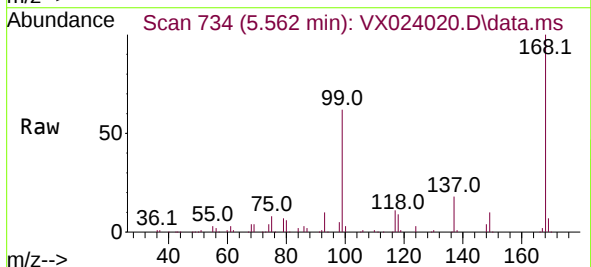
Tgt Ion: 117 Resp: 17083

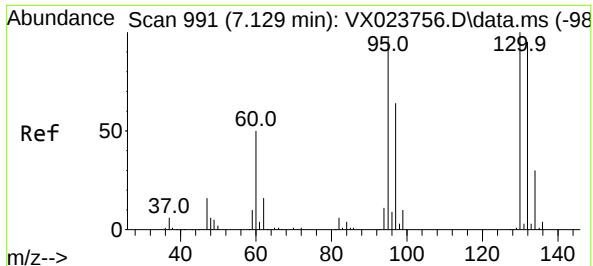
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

121 0.0 24.8 37.2#

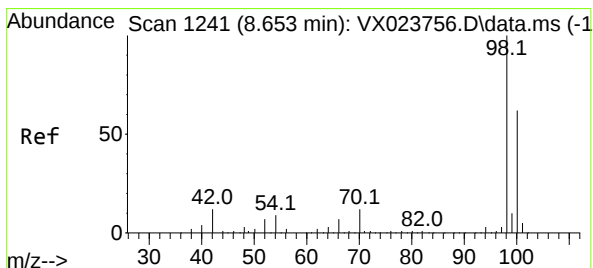
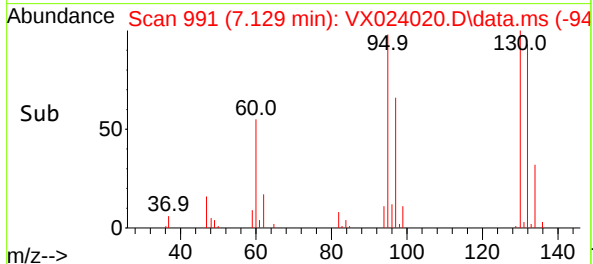
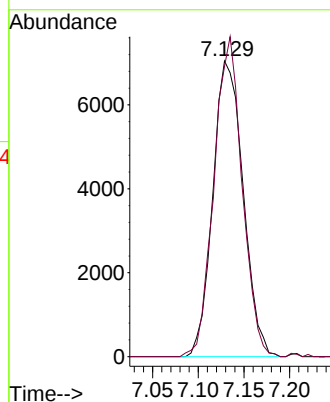
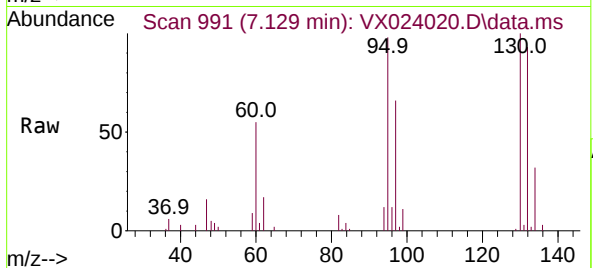




#44
Trichloroethene
Concen: 7.669 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

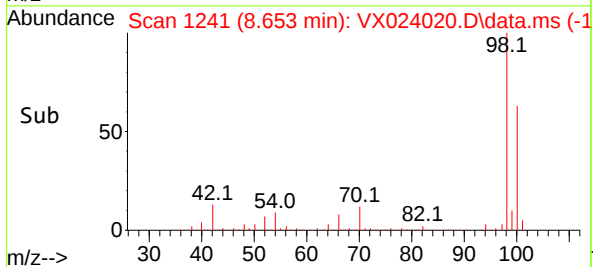
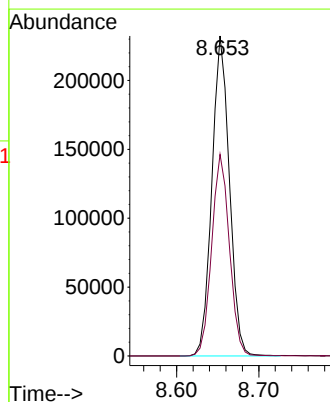
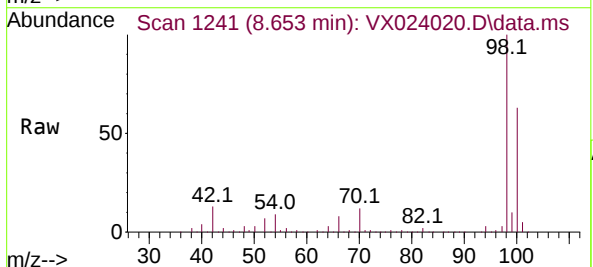
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20210827

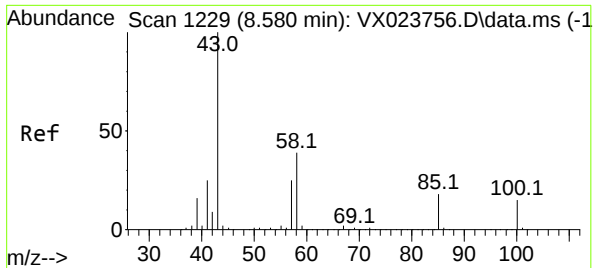
Tgt Ion:130 Resp: 16268
Ion Ratio Lower Upper
130 100
95 98.1 0.0 198.0



#50
Toluene-d8
Concen: 48.819 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 98 Resp: 344873
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

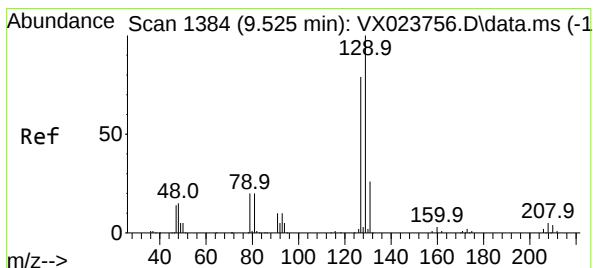
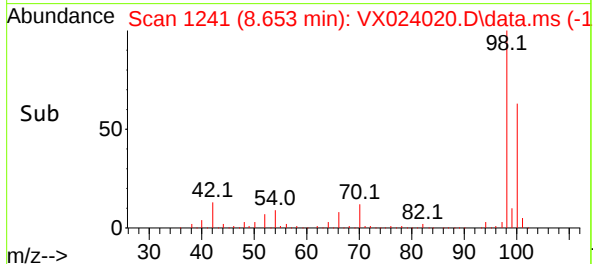
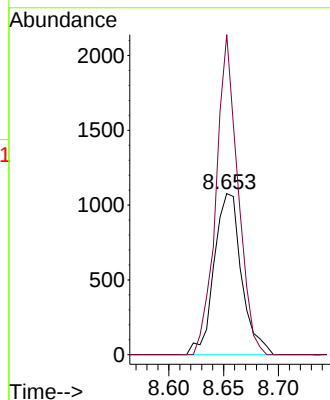
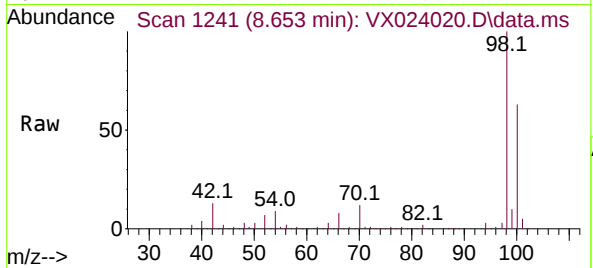




#51
4-Methyl-2-Pentanone
Concen: 0.582 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

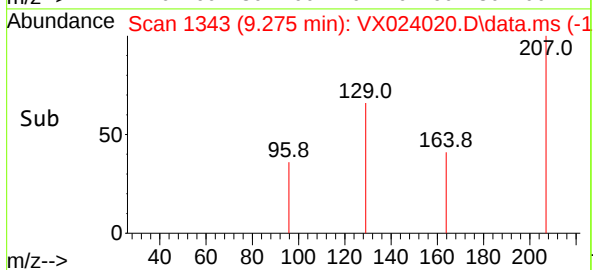
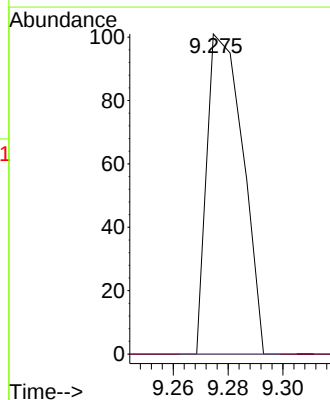
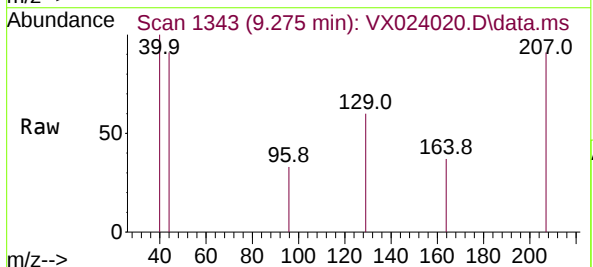
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20210827

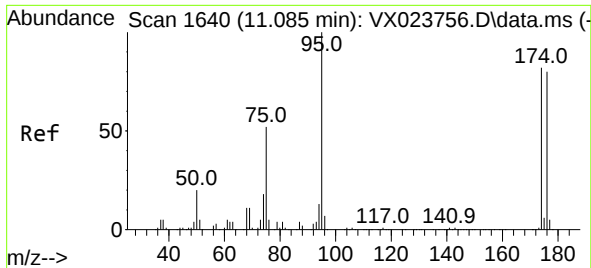
Tgt Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
58 158.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.727 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 129 Resp: 92
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

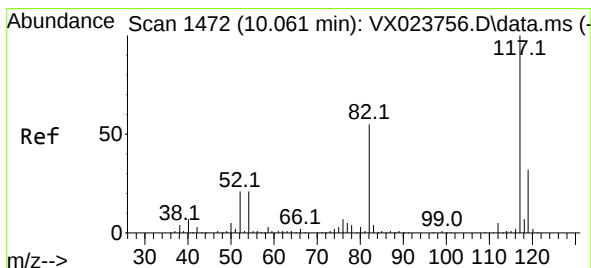
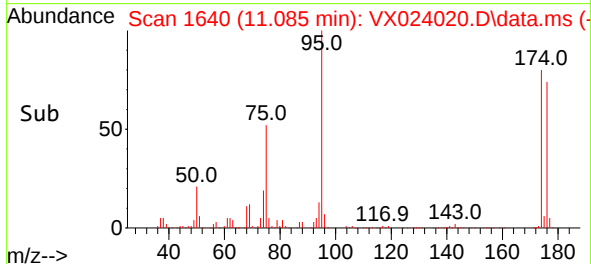
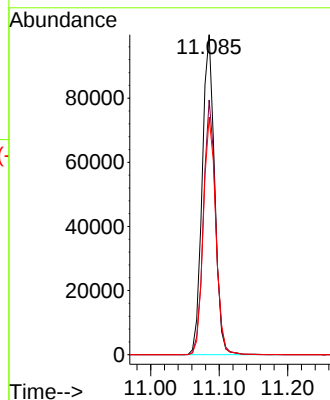
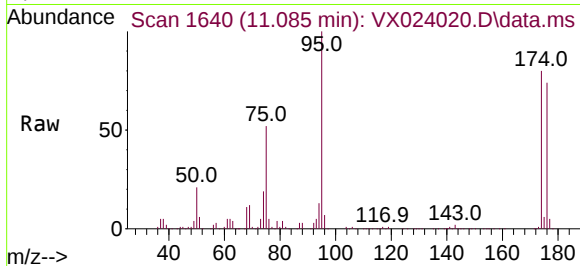




#62
4-Bromofluorobenzene
Concen: 48.375 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

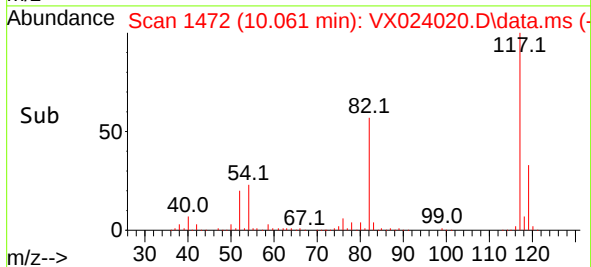
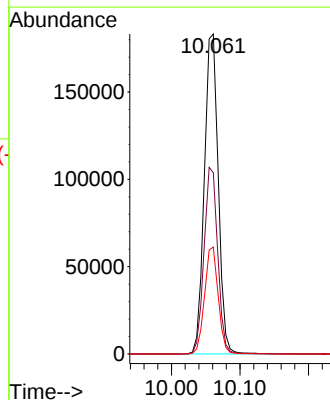
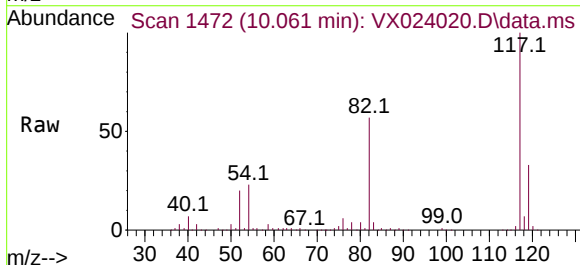
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20210827

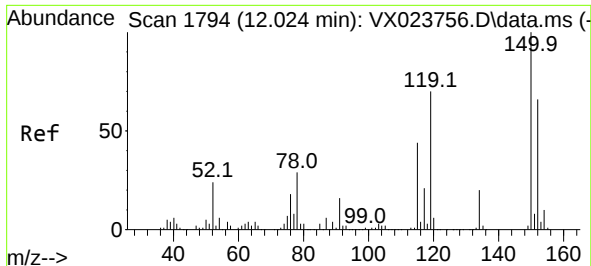
Tgt Ion: 95 Resp: 125803
Ion Ratio Lower Upper
95 100
174 78.3 0.0 154.6
176 74.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 117 Resp: 259332
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 33.4 26.6 39.8

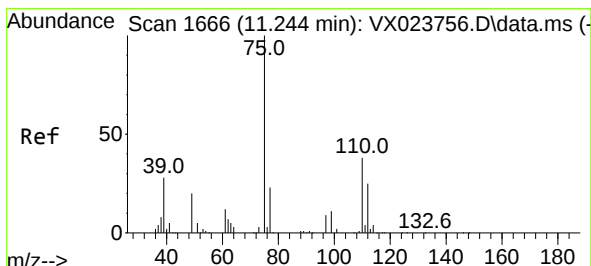
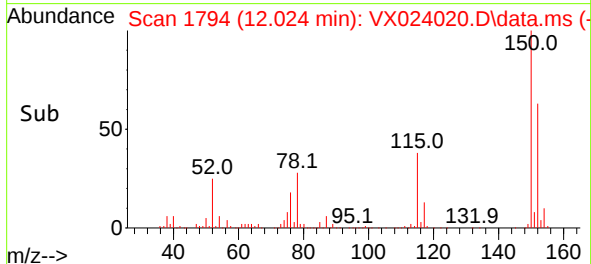
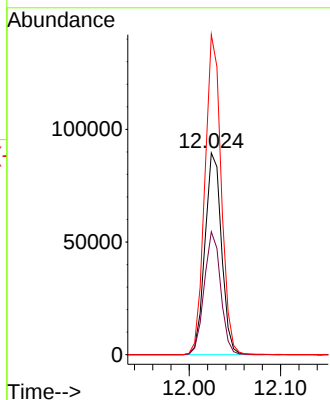
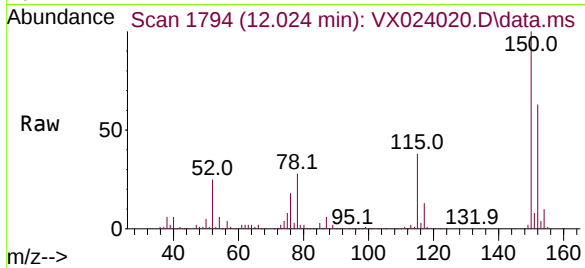




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024020.D
 Acq: 30 Aug 2021 17:27

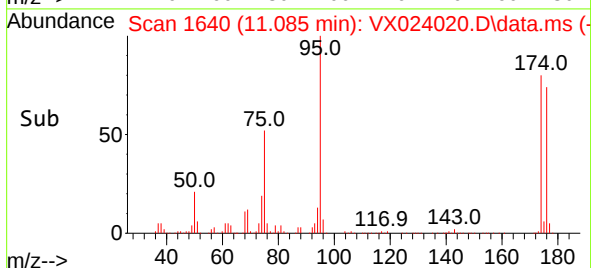
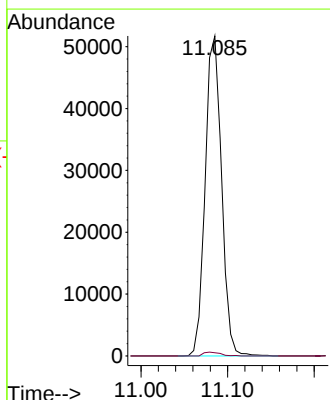
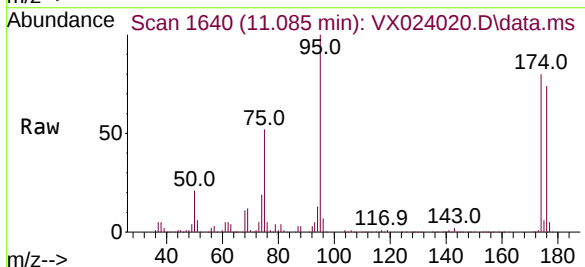
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117T-20210827

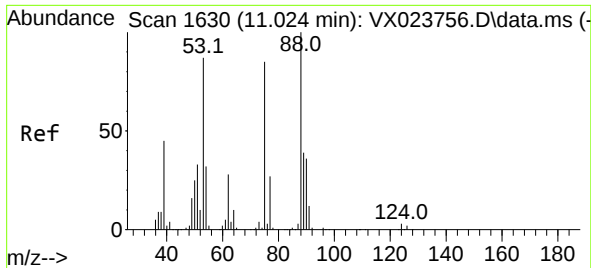
Tgt Ion:152 Resp: 112252
 Ion Ratio Lower Upper
 152 100
 115 60.5 41.1 123.3
 150 156.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.926 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024020.D
 Acq: 30 Aug 2021 17:27

Tgt Ion: 75 Resp: 67888
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

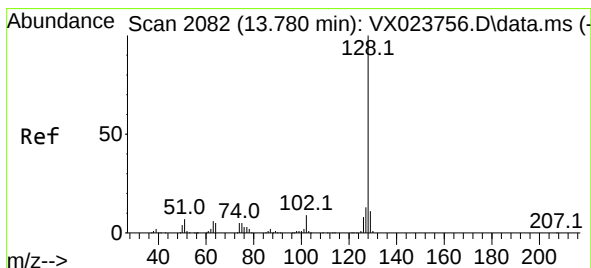
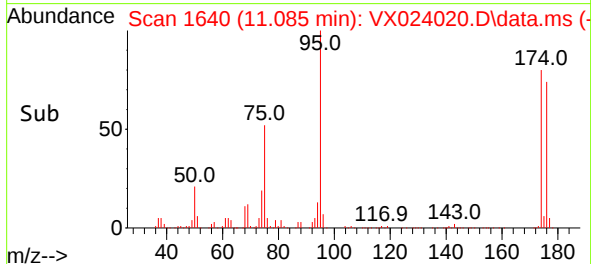
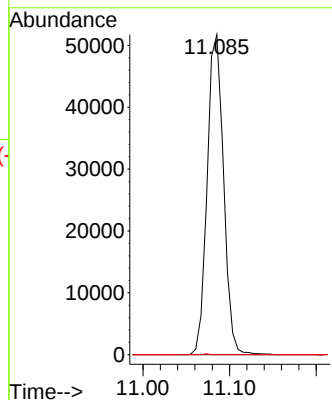
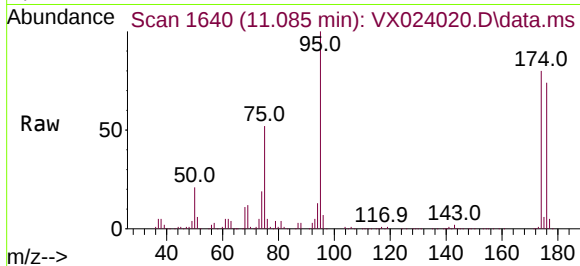




#81
trans-1,4-Dichloro-2-butene
Concen: 76.262 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20210827

Tgt Ion: 75 Resp: 67888
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.285 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024020.D
Acq: 30 Aug 2021 17:27

Tgt Ion: 128 Resp: 25
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

