

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083121\
 Data File : VX024045.D
 Acq On : 31 Aug 2021 15:36
 Operator : JC/MD
 Sample : M3584-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20210827

Quant Time: Sep 01 05:03:24 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)

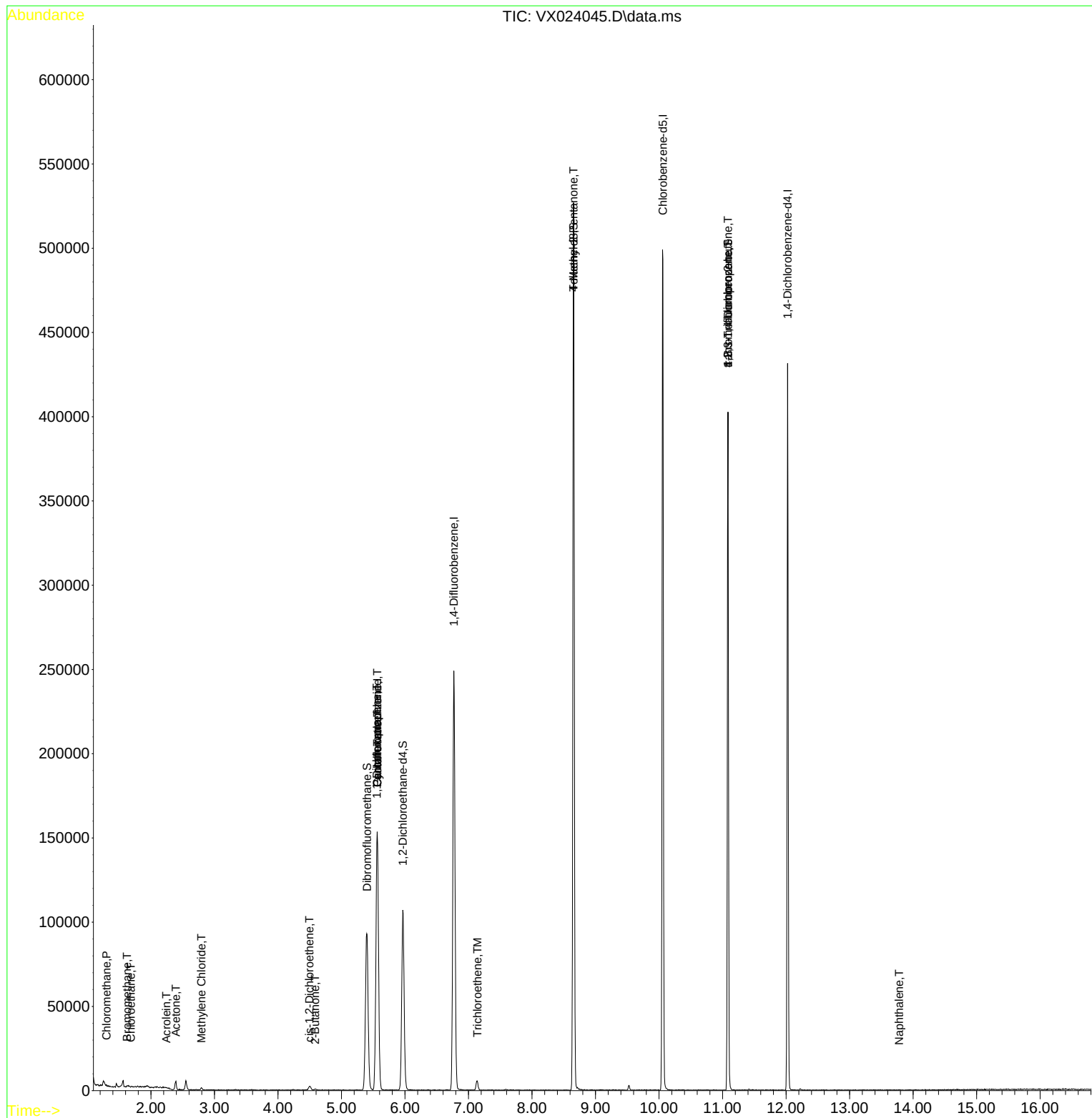
Internal Standards						
1) Pentafluorobenzene	5.562	168	141735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	242666	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	222594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105590	53.378	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.760%		
35) Dibromofluoromethane	5.404	113	81073	50.477	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.960%		
50) Toluene-d8	8.653	98	296145	48.444	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.880%		
62) 4-Bromofluorobenzene	11.085	95	100091	44.477	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 88.960%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	363	0.221	ug/l #	82
5) Bromomethane	1.624	94	485	0.482	ug/l #	64
6) Chloroethane	1.685	64	83	2.277	ug/l #	43
13) Acrolein	2.239	56	139	0.584	ug/l #	67
16) Acetone	2.392	43	5373	6.075	ug/l #	86
20) Methylene Chloride	2.794	84	525	0.311	ug/l #	73
25) 2-Butanone	4.587	43	665	0.496	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	1518	0.878	ug/l	97
31) Cyclohexane	5.562	56	3286	1.293	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	11805	5.253	ug/l #	45
38) Carbon Tetrachloride	5.562	117	14609	6.234	ug/l #	16
44) Trichloroethene	7.141	130	2271	1.237	ug/l	73
51) 4-Methyl-2-Pentanone	8.653	43	1527	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	53515	27.802	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53515	81.782	ug/l #	12
95) Naphthalene	13.780	128	113	1.301	ug/l #	69

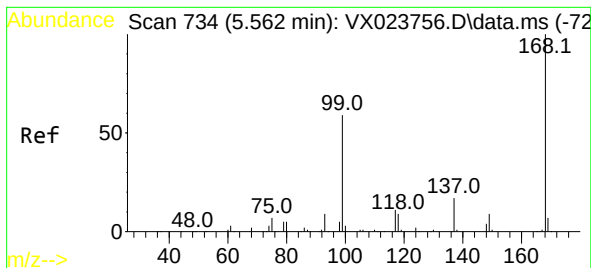
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX024045.D

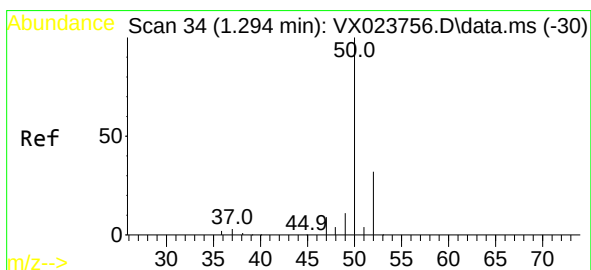
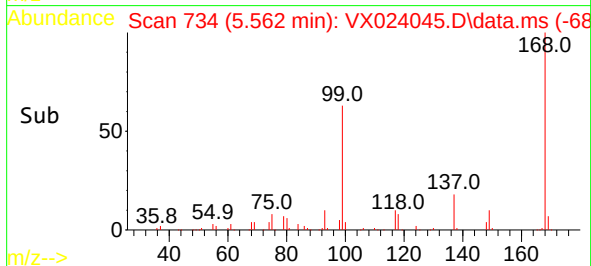
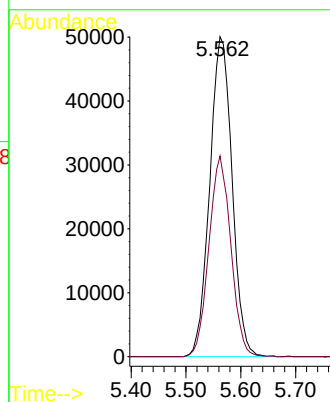
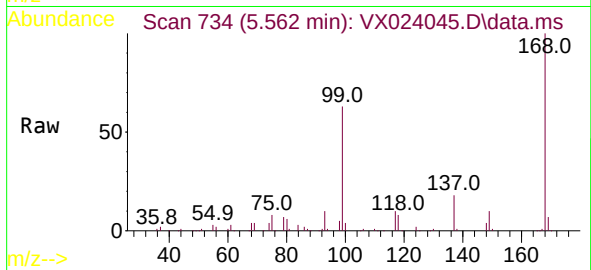
Acq: 31 Aug 2021 15:36

Tgt Ion:168 Resp: 141735

Ion Ratio Lower Upper

168 100

99 62.7 45.8 68.6



#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.007 min

Lab File: VX024045.D

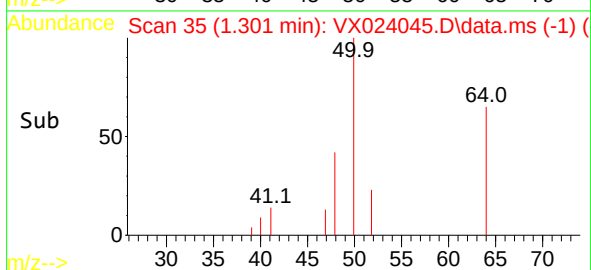
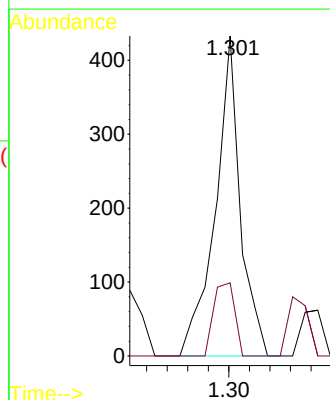
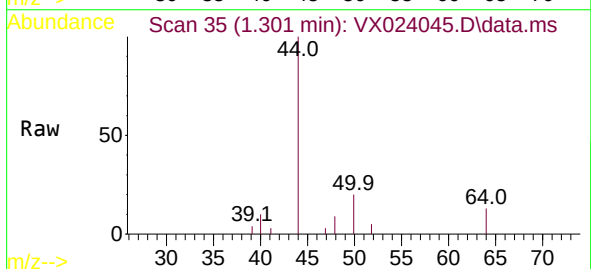
Acq: 31 Aug 2021 15:36

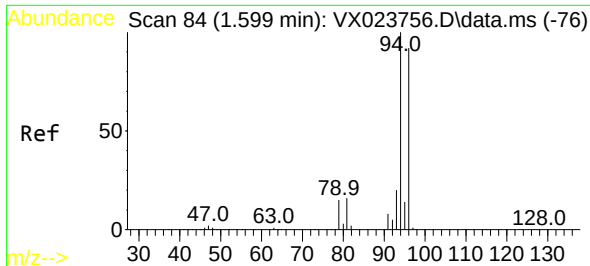
Tgt Ion: 50 Resp: 363

Ion Ratio Lower Upper

50 100

52 22.9 26.4 39.6#

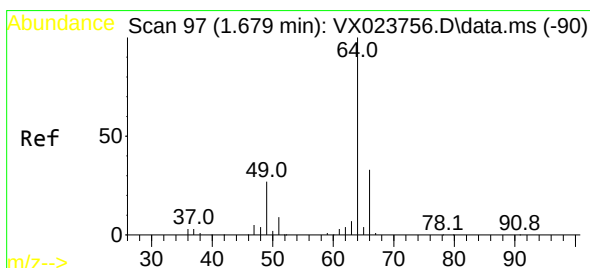
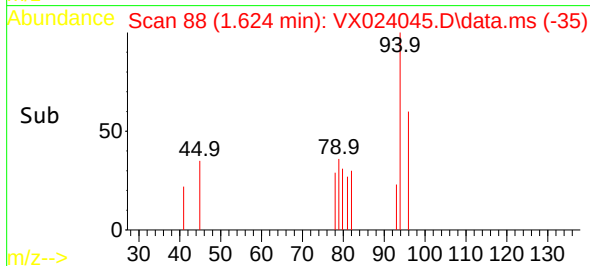
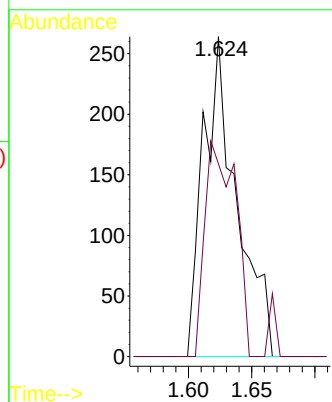
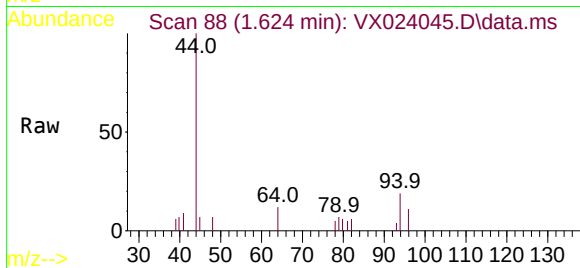




#5
Bromomethane
Concen: 0.482 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

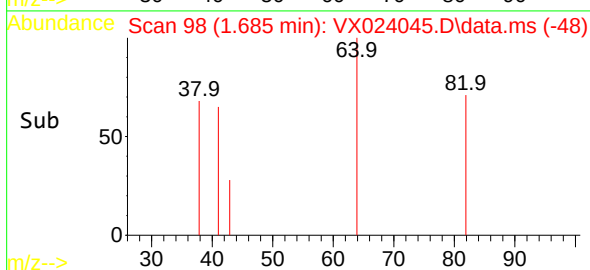
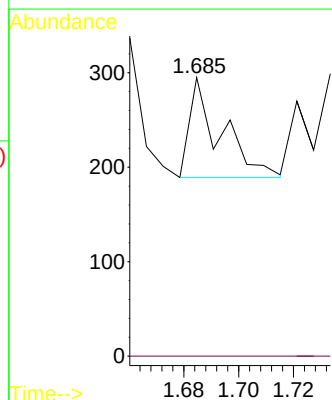
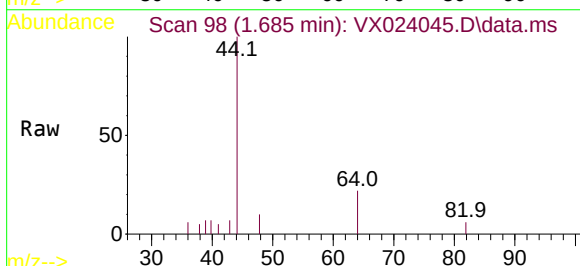
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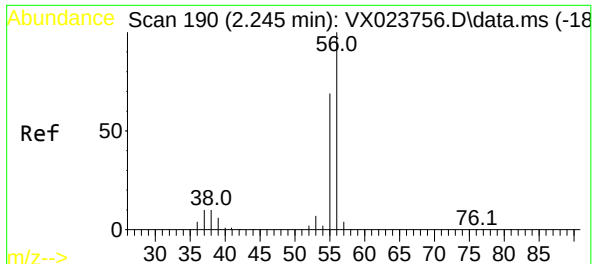
Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 60.2 76.4 114.6#



#6
Chloroethane
Concen: 2.277 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

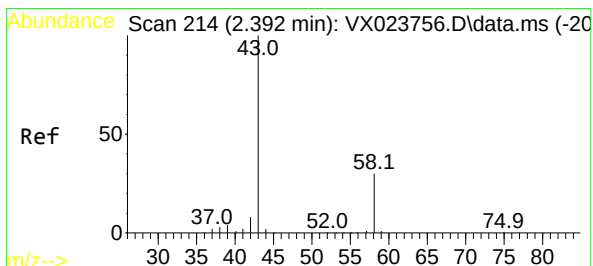
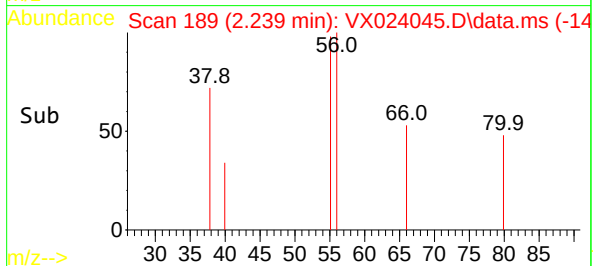
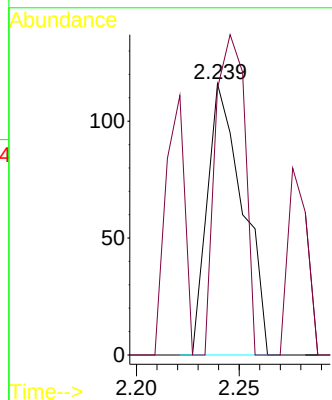
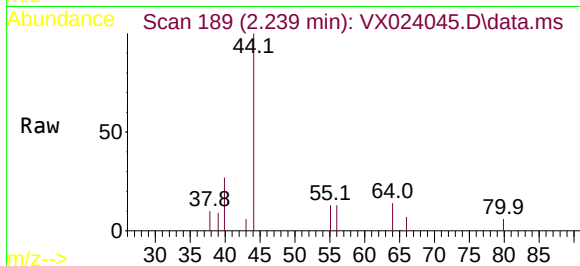




#13
Acrolein
Concen: 0.584 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

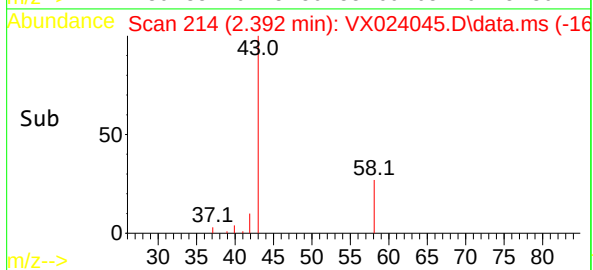
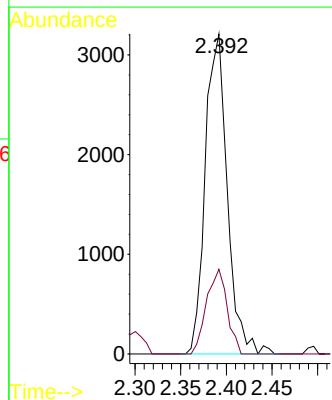
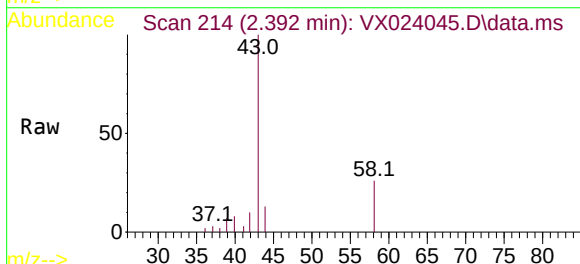
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20210827

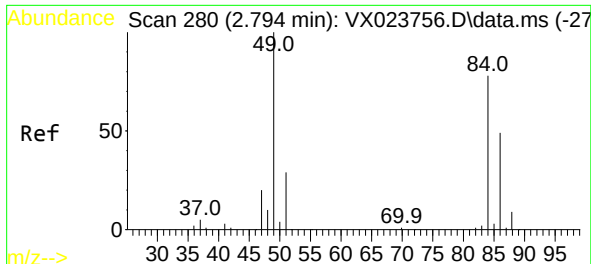
Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 97.8 56.4 84.6#



#16
Acetone
Concen: 6.075 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

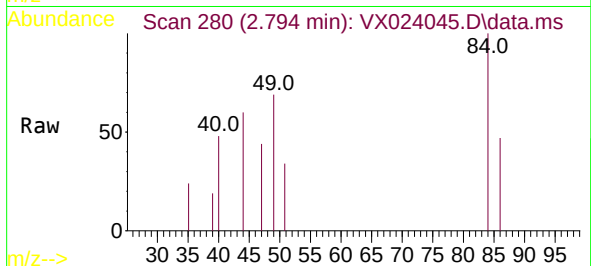
Tgt Ion: 43 Resp: 5373
Ion Ratio Lower Upper
43 100
58 26.4 27.8 41.8#



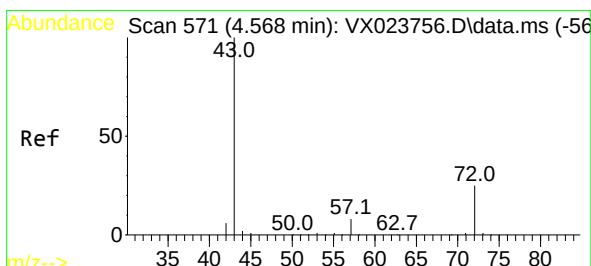
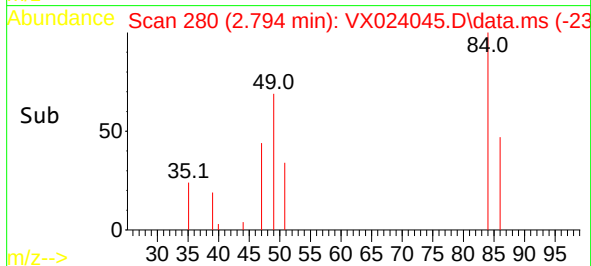
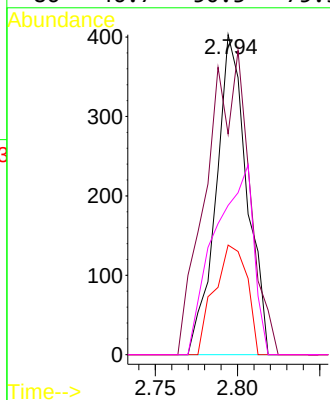


#20
Methylene Chloride
Concen: 0.311 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20210827

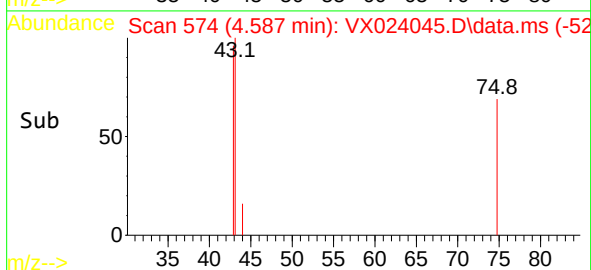
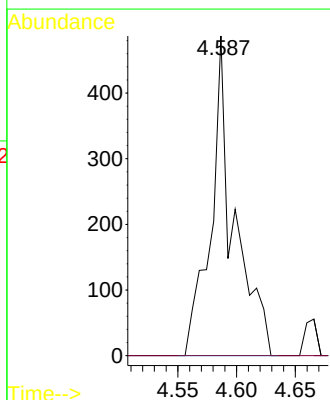
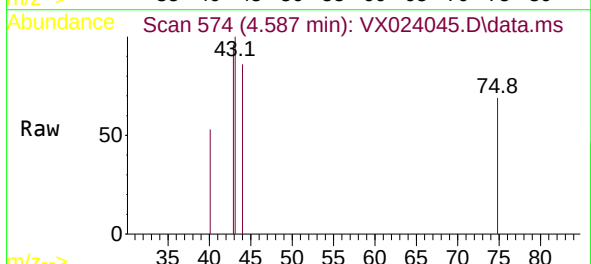


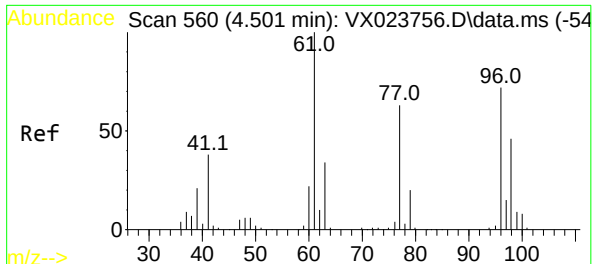
Tgt Ion:	84	Resp:	525
Ion	Ratio	Lower	Upper
84	100		
49	69.0	88.6	132.8#
51	34.2	27.0	40.6
86	46.7	50.3	75.5#



#25
2-Butanone
Concen: 0.496 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion:	43	Resp:	665
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#



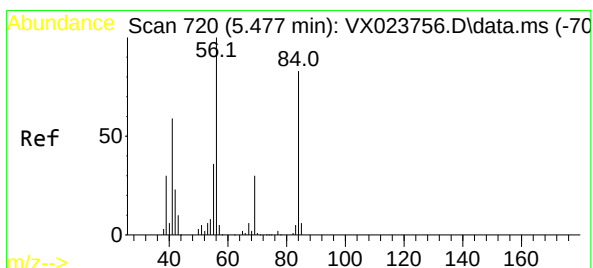
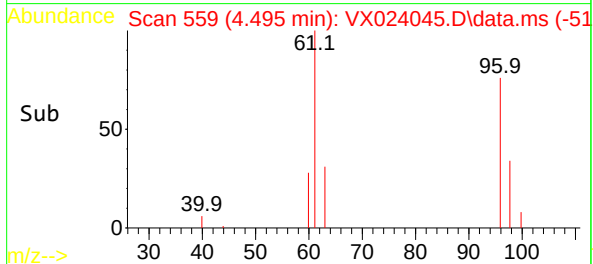
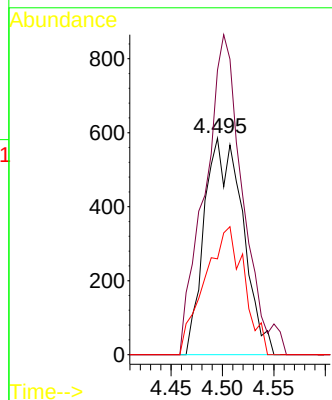
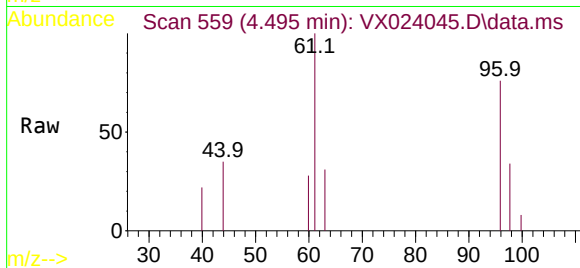


#27
cis-1,2-Dichloroethene
Concen: 0.878 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.006 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Instrument :
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ClientSampleId :
MH-140B-20210827

Tgt Ion: 96 Resp: 1518

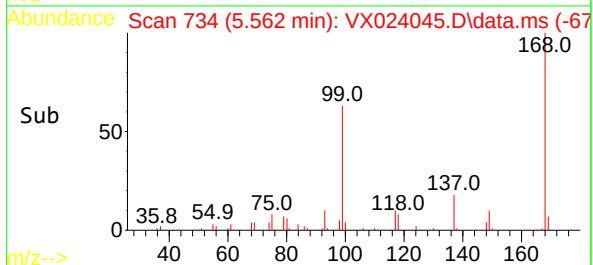
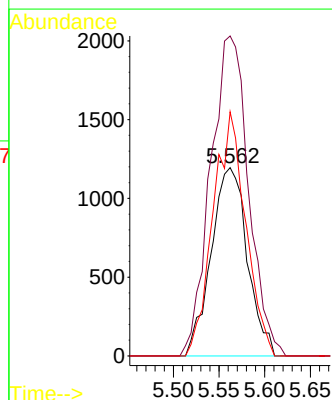
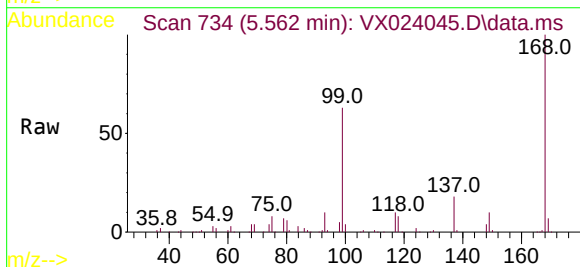
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	285.6
98	60.9	0.0	129.6

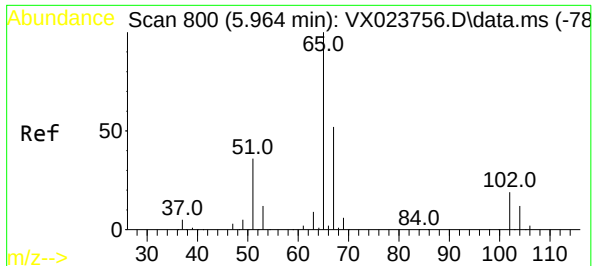


#31
Cyclohexane
Concen: 1.293 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion: 56 Resp: 3286

Ion	Ratio	Lower	Upper
56	100		
69	170.0	25.3	37.9#
84	129.7	71.4	107.0#



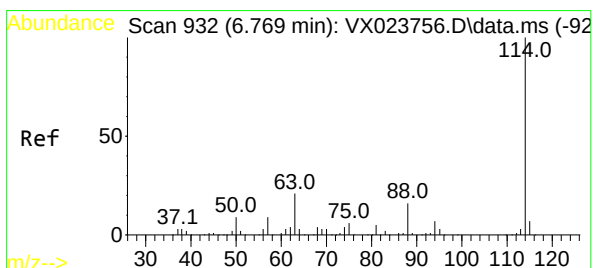
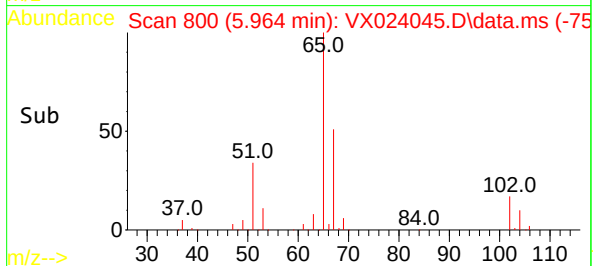
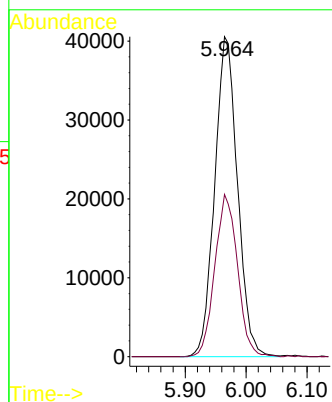
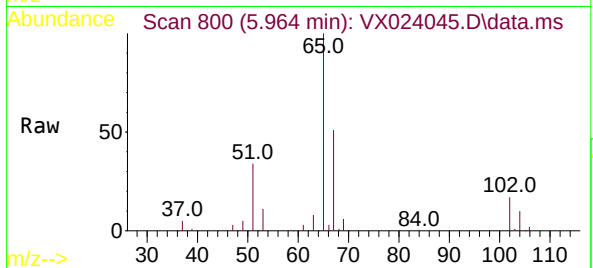


#33

1,2-Dichloroethane-d4
Concen: 53.378 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
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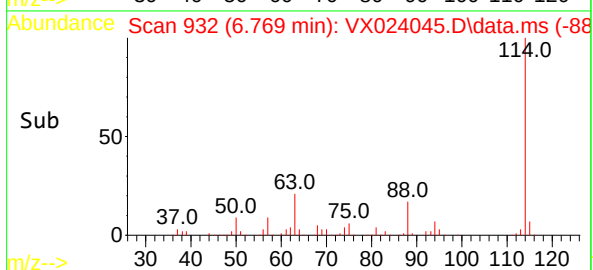
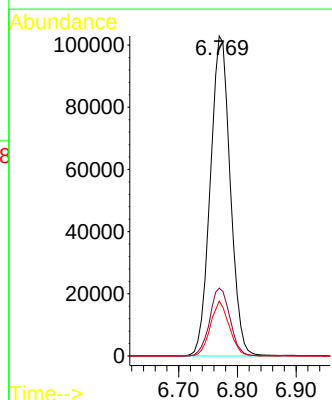
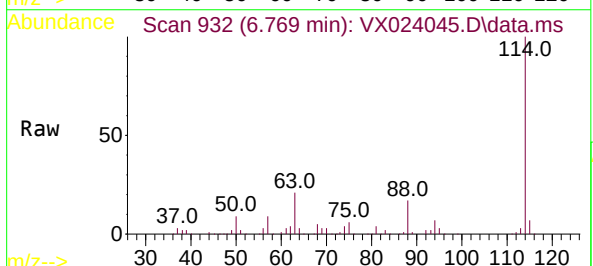
Tgt Ion: 65 Resp: 105590
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

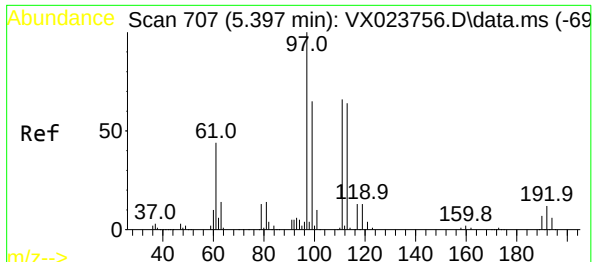


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion: 114 Resp: 242666
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 17.1 0.0 32.8

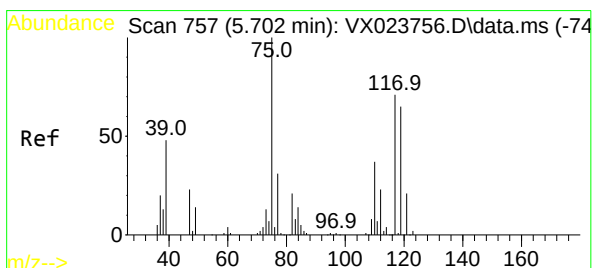
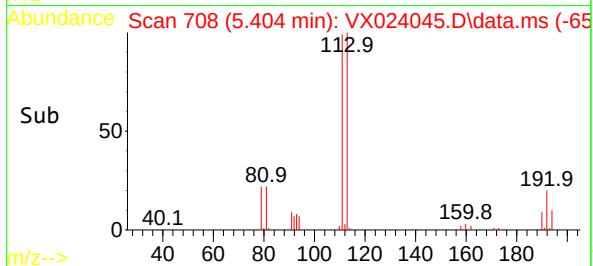
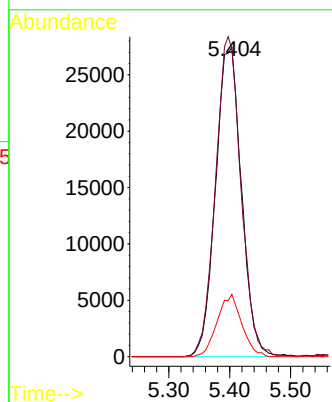
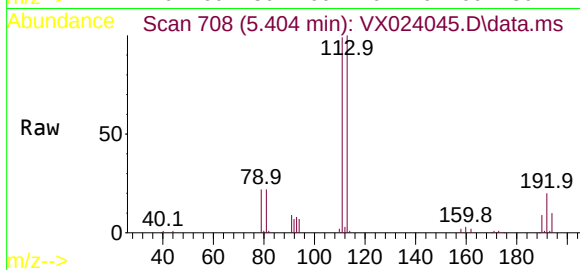




#35
Dibromofluoromethane
Concen: 50.477 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

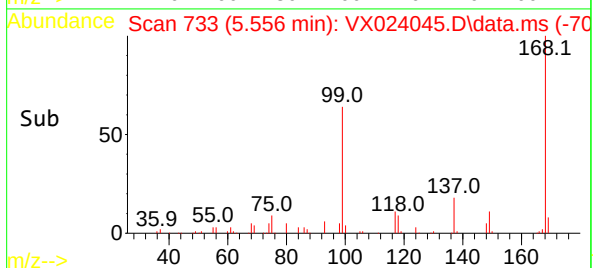
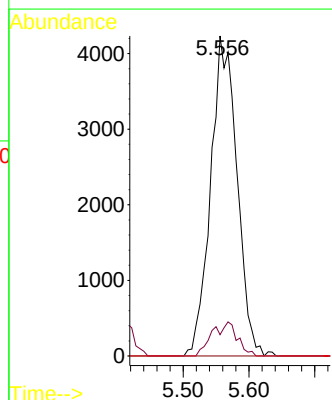
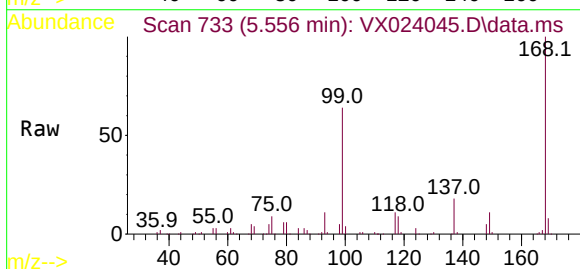
Instrument :
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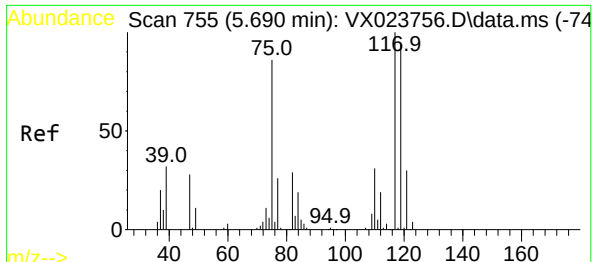
Tgt Ion:113 Resp: 81073
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.253 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

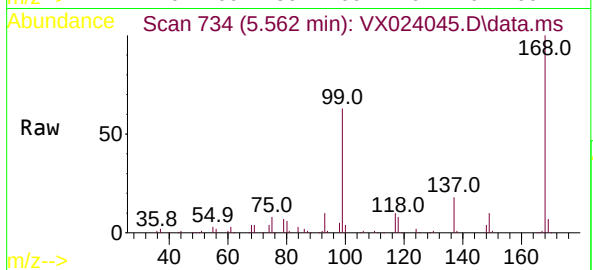
Tgt Ion: 75 Resp: 11805
Ion Ratio Lower Upper
75 100
110 4.4 18.1 54.4#
77 0.0 25.3 37.9#



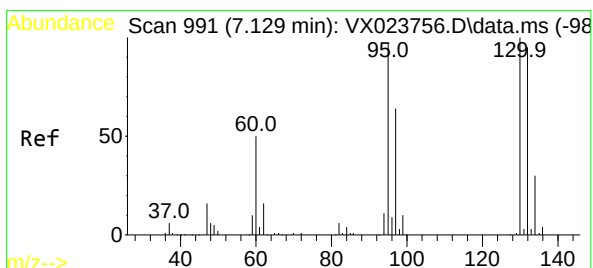
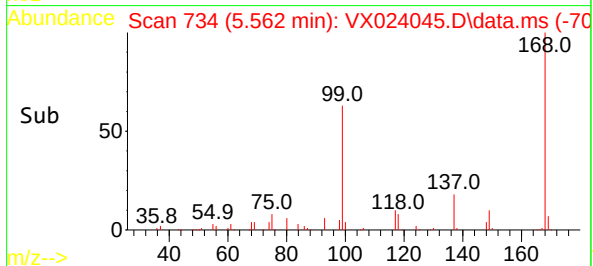
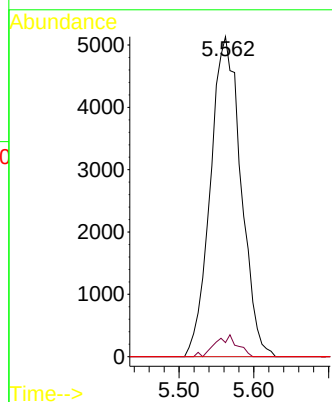


#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Instrument :
MSVOA_X
ClientSampleId :
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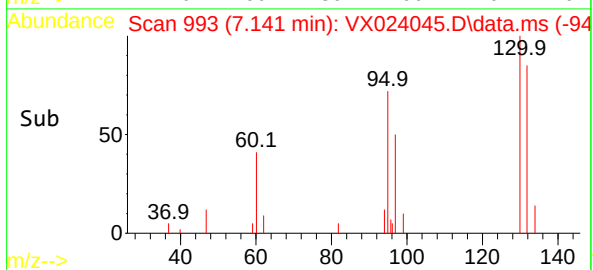
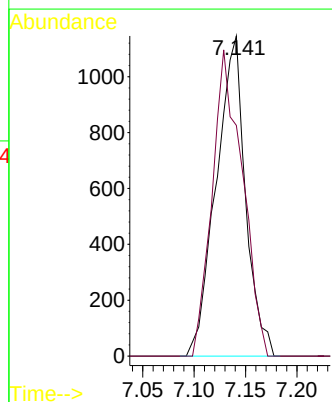
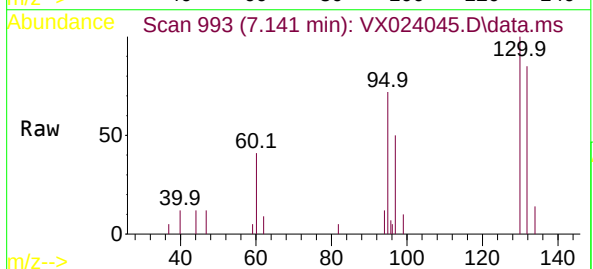


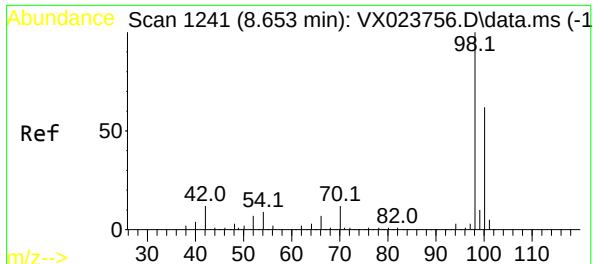
Tgt Ion:117 Resp: 14609
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 1.237 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion:130 Resp: 2271
Ion Ratio Lower Upper
130 100
95 72.1 0.0 198.0

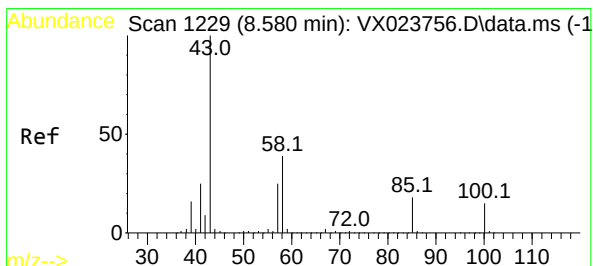
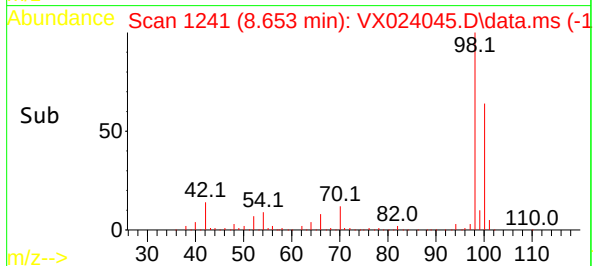
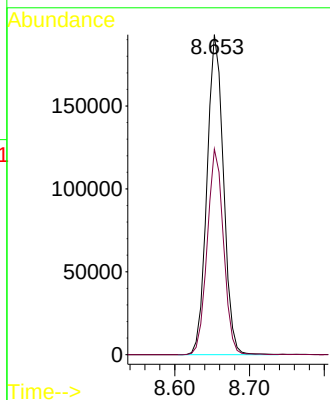
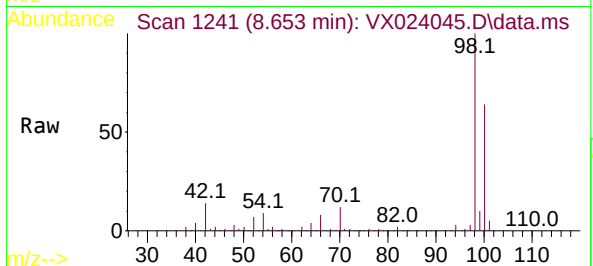




#50
Toluene-d8
Concen: 48.444 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

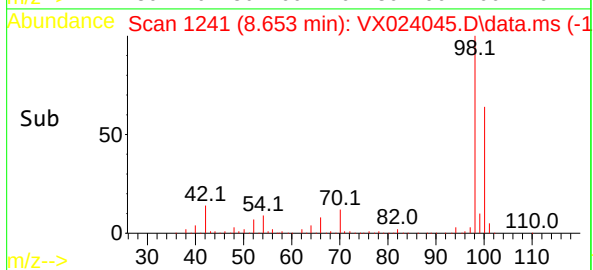
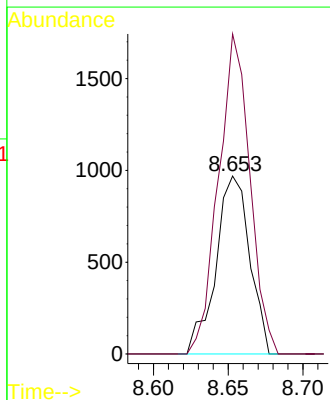
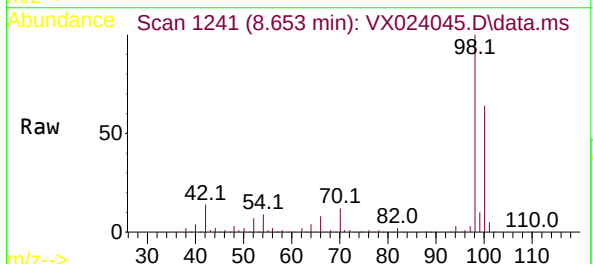
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20210827

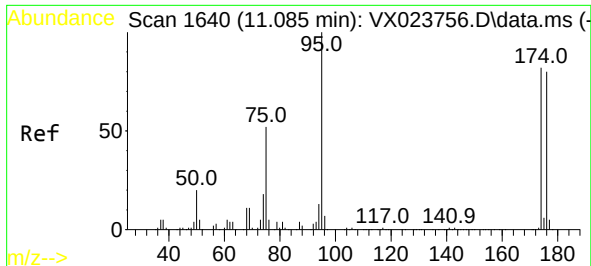
Tgt Ion: 98 Resp: 296145
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
58 166.8 35.4 53.0#

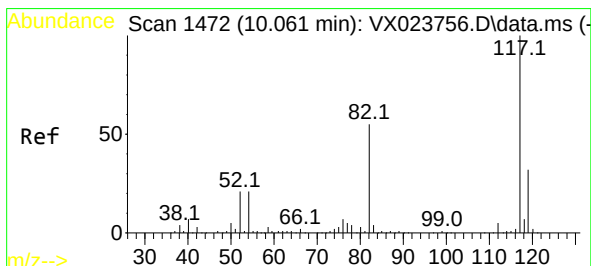
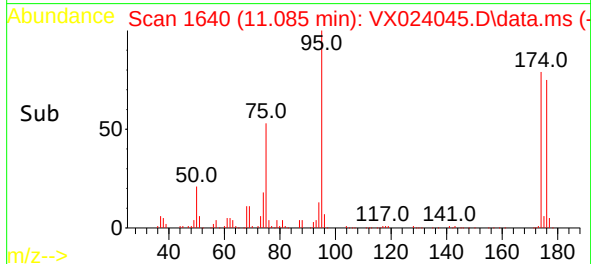
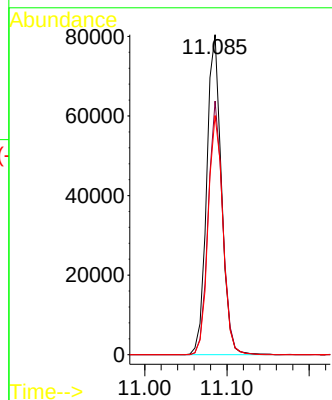
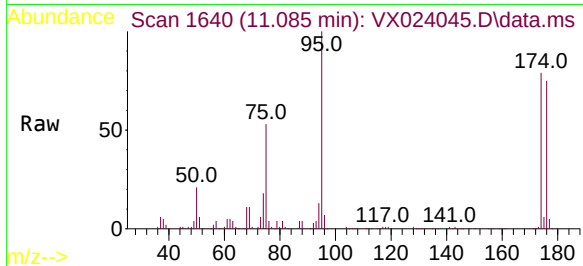




#62
4-Bromofluorobenzene
Concen: 44.477 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

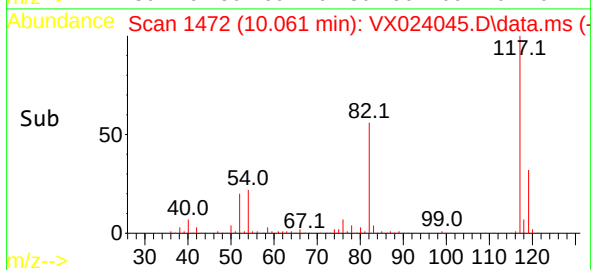
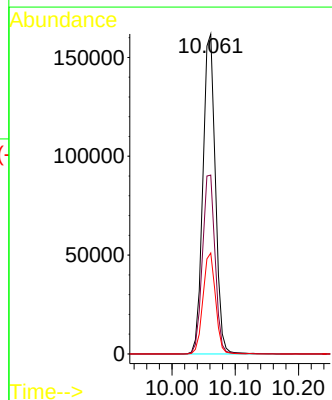
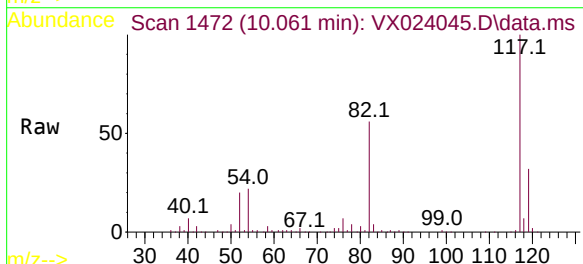
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20210827

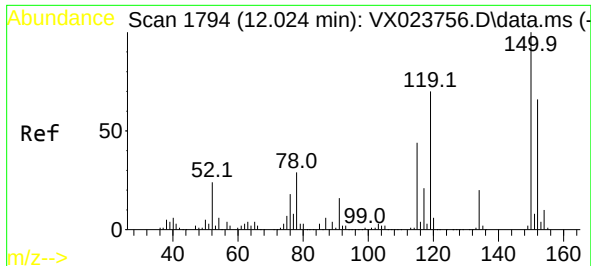
Tgt Ion: 95 Resp: 100091
Ion Ratio Lower Upper
95 100
174 77.9 0.0 154.6
176 75.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion: 117 Resp: 222594
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 31.5 26.6 39.8

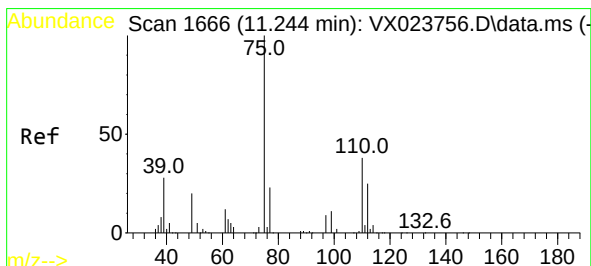
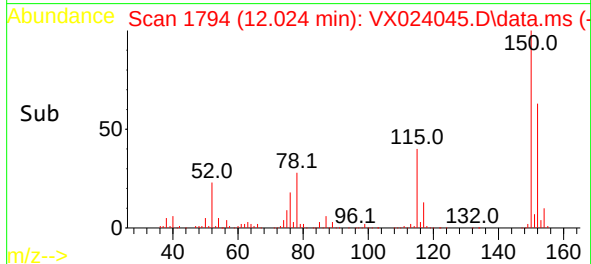
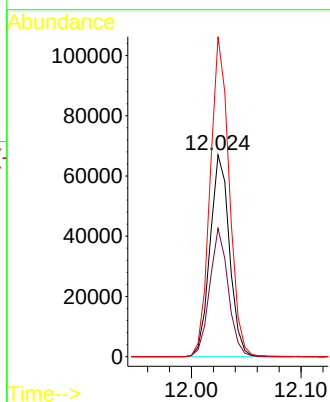
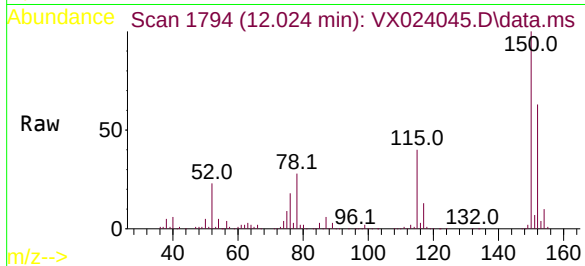




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024045.D
 Acq: 31 Aug 2021 15:36

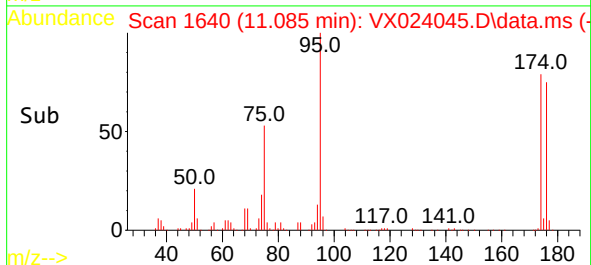
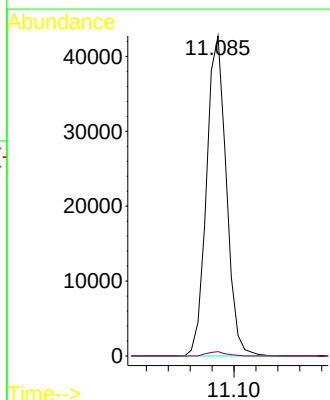
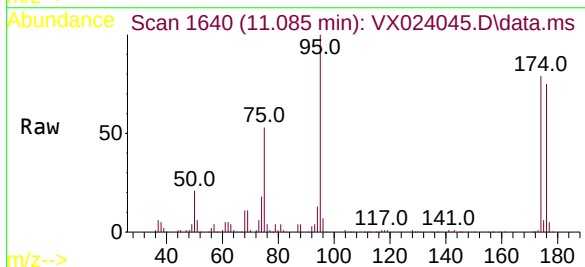
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20210827

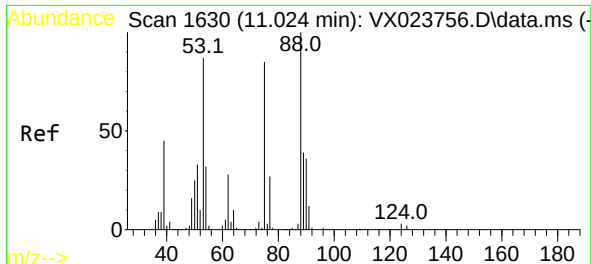
Tgt Ion:152 Resp: 82514
 Ion Ratio Lower Upper
 152 100
 115 60.6 41.1 123.3
 150 155.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.802 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024045.D
 Acq: 31 Aug 2021 15:36

Tgt Ion: 75 Resp: 53515
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

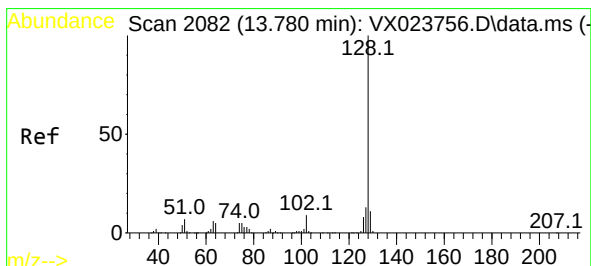
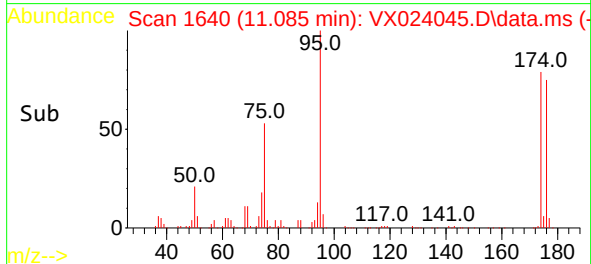
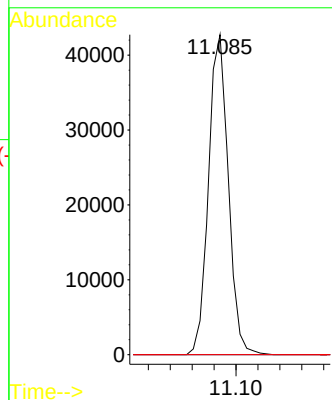
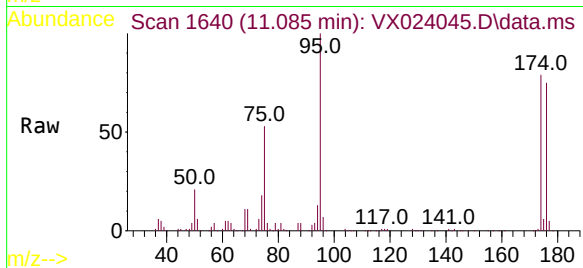




#81
trans-1,4-Dichloro-2-butene
Concen: 81.782 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20210827

Tgt Ion: 75 Resp: 53515
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.301 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024045.D
Acq: 31 Aug 2021 15:36

Tgt Ion: 128 Resp: 113
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

