

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028461.D
 Acq On : 30 Apr 2022 06:32
 Operator : JC/MD
 Sample : N2600-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-15S

Quant Time: Apr 30 09:25:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

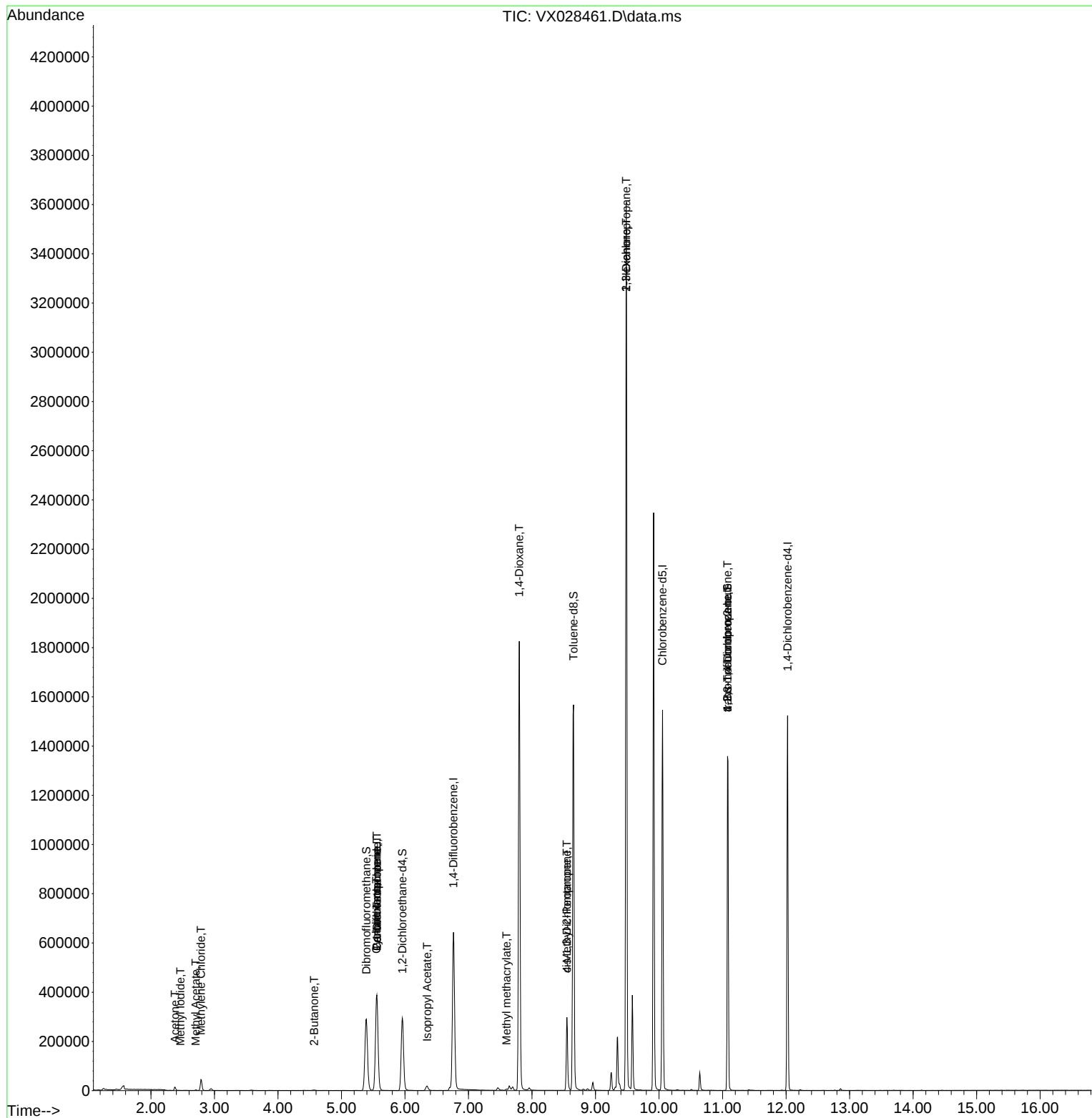
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	377077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	672704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	698711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	316690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	284031	57.769	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 115.540%	
35) Dibromofluoromethane	5.391	113	254609	53.970	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.940%	
50) Toluene-d8	8.653	98	965643	53.293	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.580%	
62) 4-Bromofluorobenzene	11.079	95	354445	51.160	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.320%	
Target Compounds						Qvalue
3) Chloromethane	1.301	50	331	Below Cal	#	42
5) Bromomethane	1.612	94	679	Below Cal		94
6) Chloroethane	1.666	64	315	Below Cal	#	70
8) Diethyl Ether	2.124	74	95	Below Cal	#	1
10) Methyl Iodide	2.465	142	218	5.281	ug/l #	41
11) Tert butyl alcohol	2.941	59	4429	Below Cal	#	72
16) Acetone	2.380	43	13920	7.918	ug/l	99
18) Methyl Acetate	2.703	43	2803	0.641	ug/l	96
20) Methylene Chloride	2.788	84	20479	5.614	ug/l	94
25) 2-Butanone	4.568	43	2804	0.963	ug/l	100
31) Cyclohexane	5.550	56	7585	1.266	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28312	4.601	ug/l #	49
38) Carbon Tetrachloride	5.556	117	38799	5.585	ug/l #	15
43) Isopropyl Acetate	6.348	43	24599	2.421	ug/l	99
48) Methyl methacrylate	7.598	41	6846	1.467	ug/l #	7
49) 1,4-Dioxane	7.799	88	304	2.436	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	94185	14.443	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	51433	6.779	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	34530	4.207	ug/l #	42
59) 2-Hexanone	9.482	43	379883	75.203	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	177012	28.401	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	177012	84.399	ug/l #	15

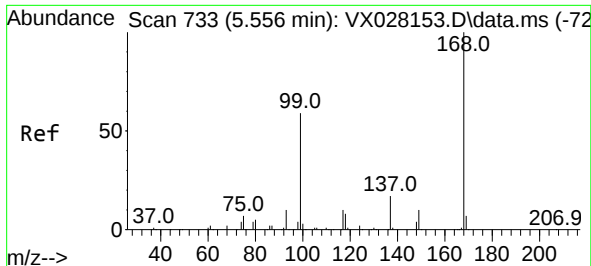
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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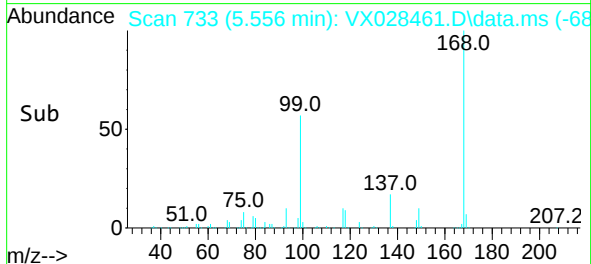
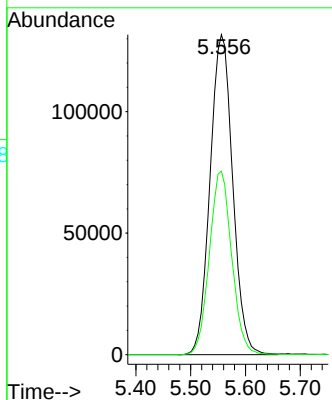
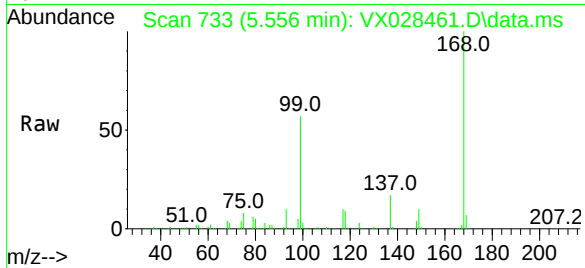




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

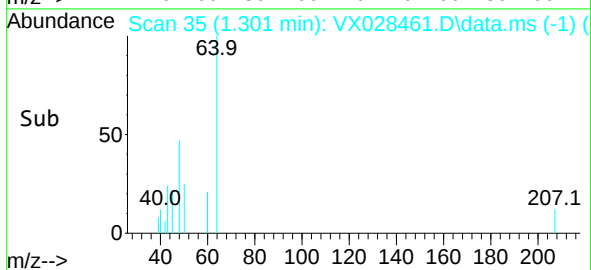
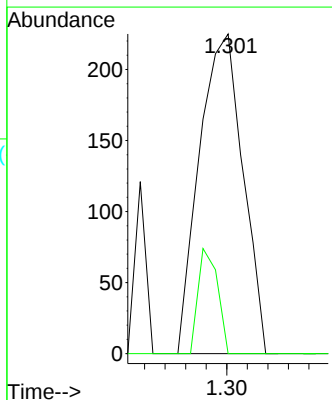
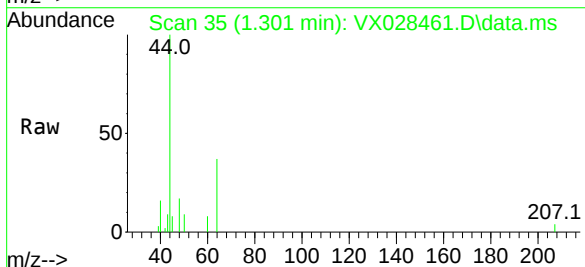
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

Tgt Ion:168 Resp: 377077
Ion Ratio Lower Upper
168 100
99 57.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

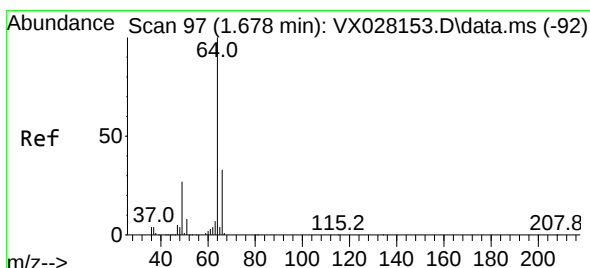
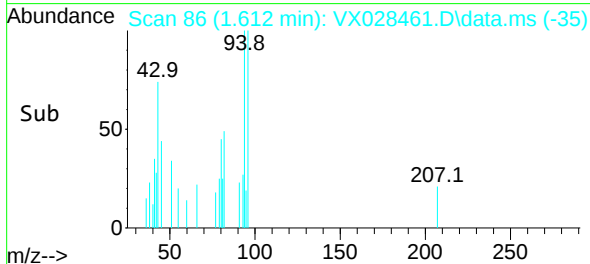
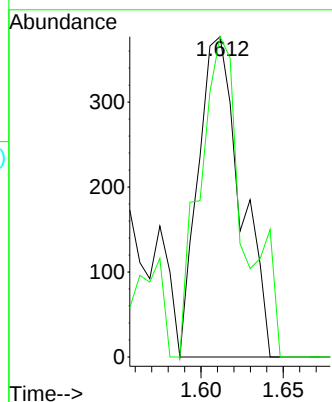
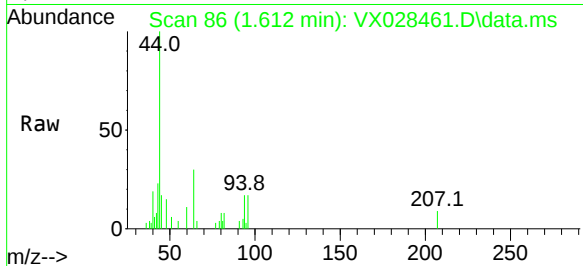




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

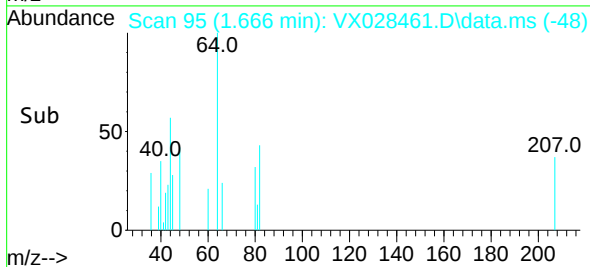
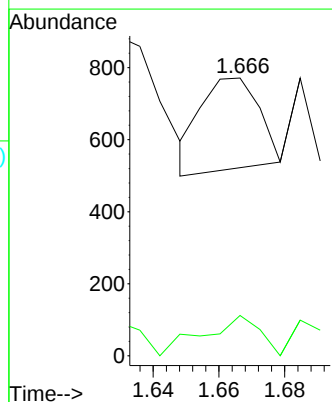
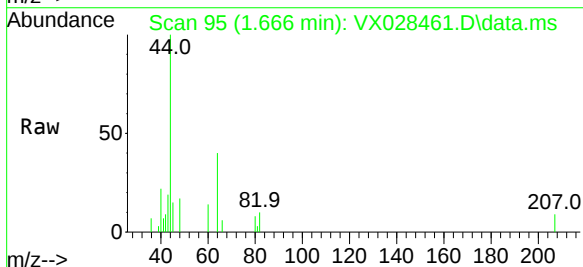
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

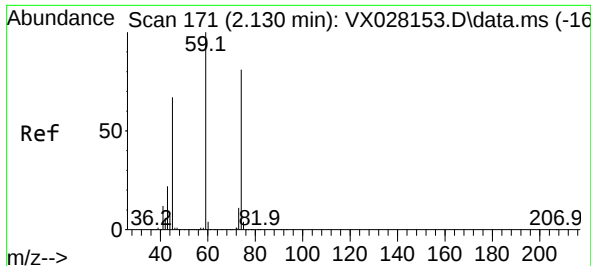
Tgt Ion: 94 Resp: 679
Ion Ratio Lower Upper
94 100
96 100.0 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 64 Resp: 315
Ion Ratio Lower Upper
64 100
66 48.1 25.3 37.9#

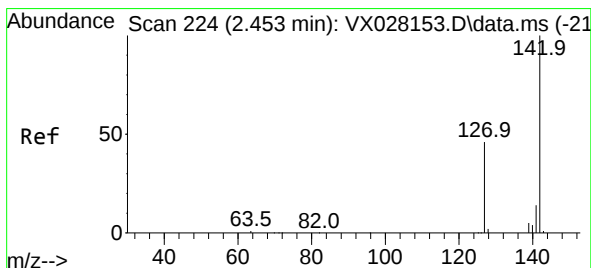
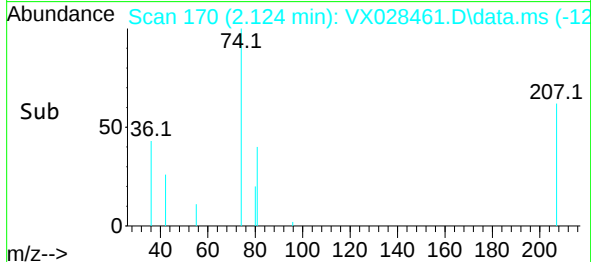
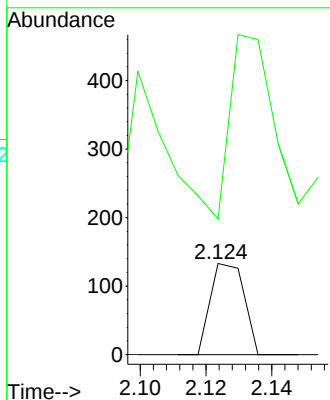
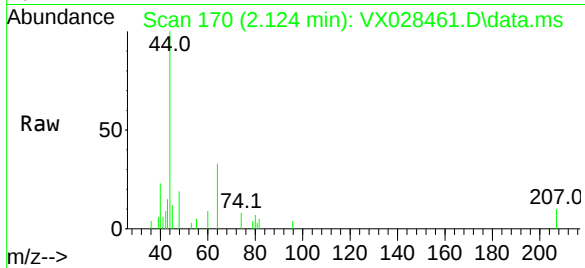




#8
Diethyl Ether
Concen: Below Cal
RT: 2.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

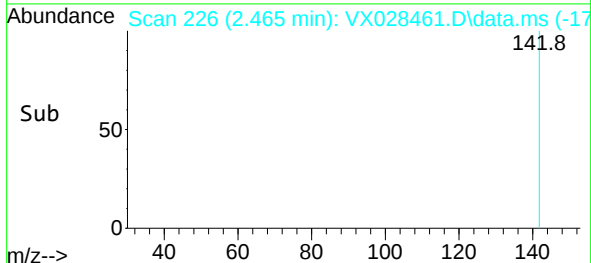
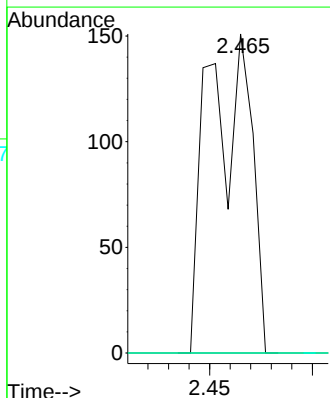
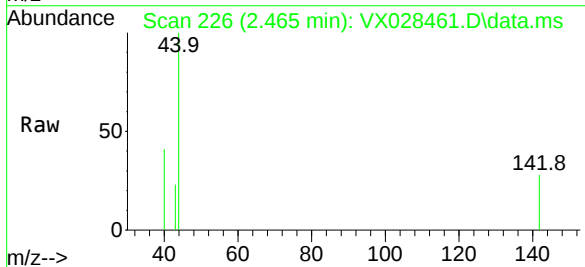
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

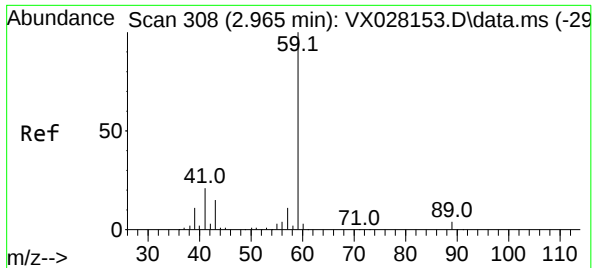
Tgt Ion: 74 Resp: 95
Ion Ratio Lower Upper
74 100
45 341.1 42.0 126.0#



#10
Methyl Iodide
Concen: 5.281 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 142 Resp: 218
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#

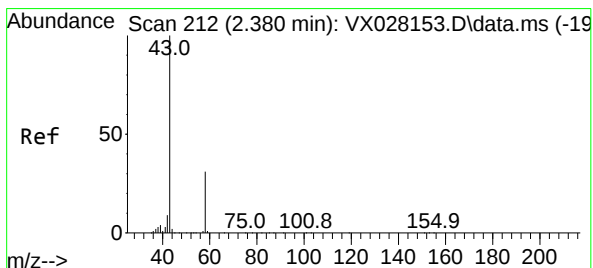
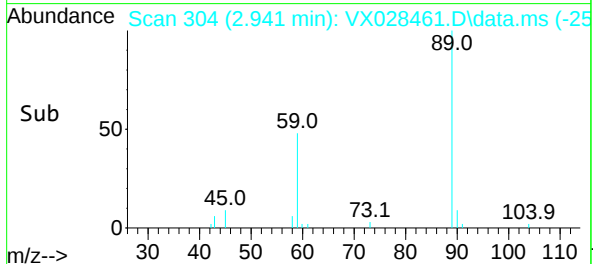
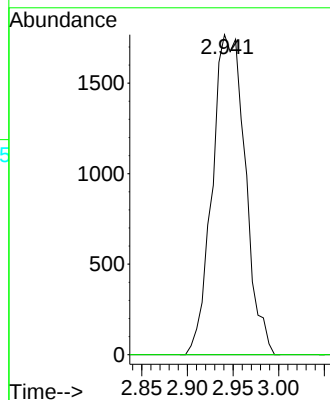
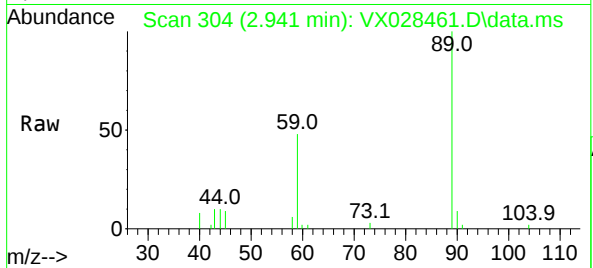




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

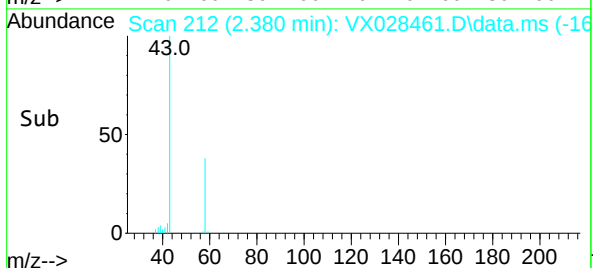
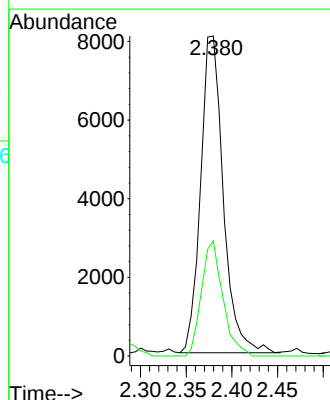
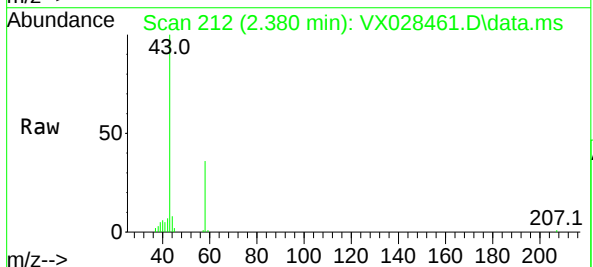
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

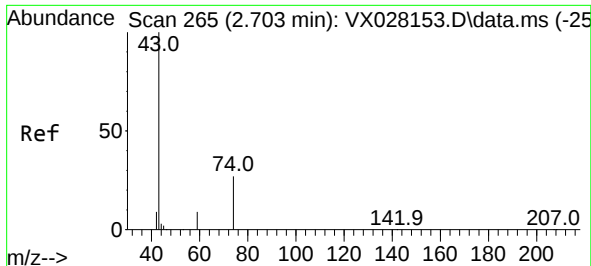
Tgt Ion: 59 Resp: 4429
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.918 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 43 Resp: 13920
Ion Ratio Lower Upper
43 100
58 36.3 28.8 43.2

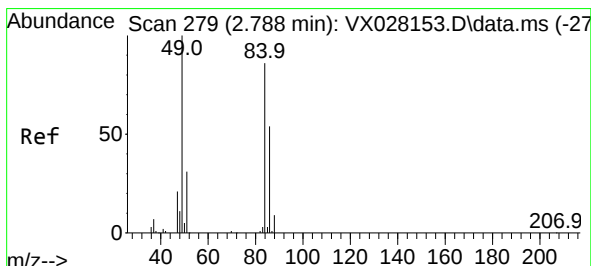
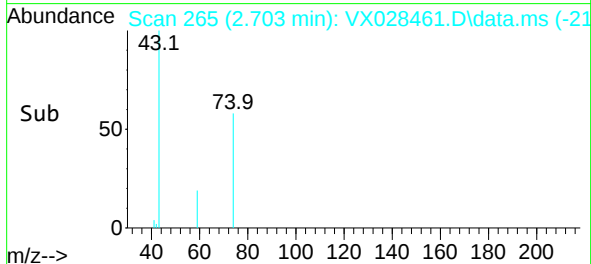
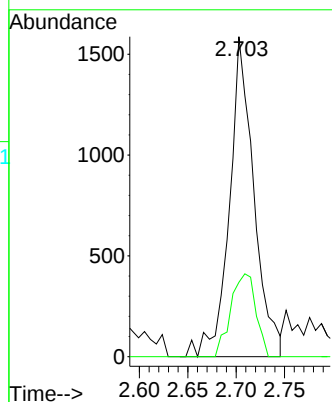
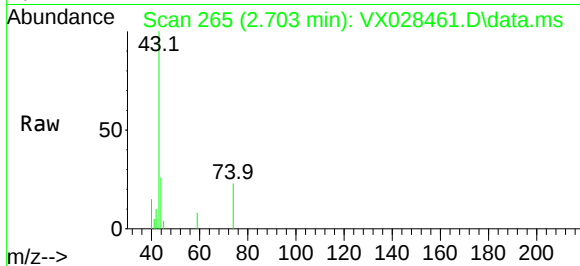




#18
Methyl Acetate
Concen: 0.641 ug/l
RT: 2.703 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

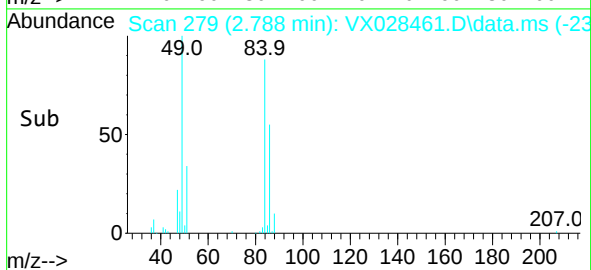
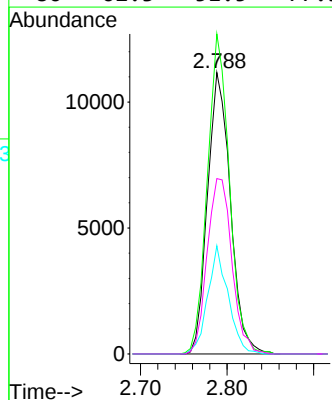
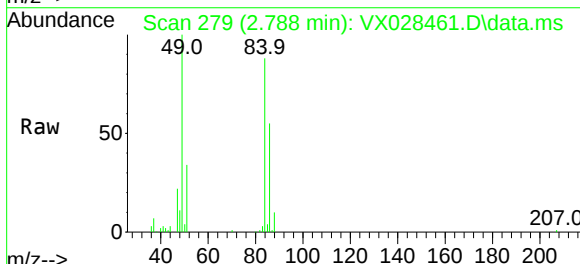
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

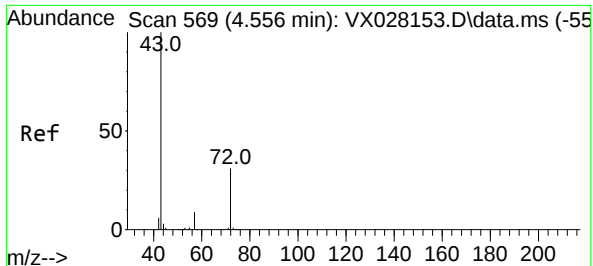
Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
74 26.4 22.8 34.2



#20
Methylene Chloride
Concen: 5.614 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 84 Resp: 20479
Ion Ratio Lower Upper
84 100
49 113.7 85.5 128.3
51 38.4 26.6 39.8
86 62.3 51.5 77.3





#25

2-Butanone

Concen: 0.963 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

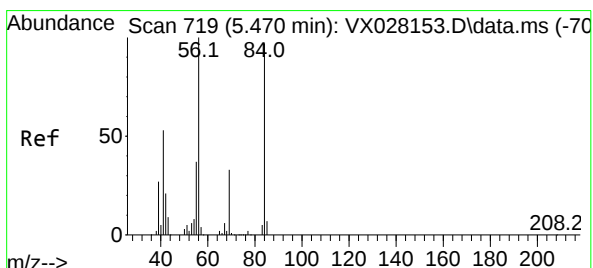
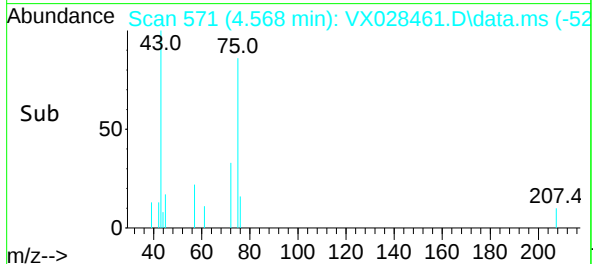
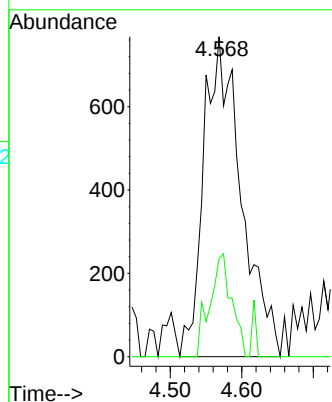
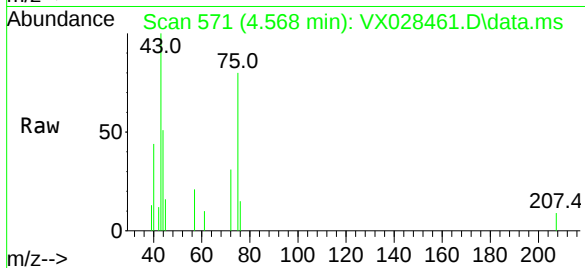
MH-15S

Tgt Ion: 43 Resp: 2804

Ion Ratio Lower Upper

43 100

72 30.7 24.4 36.6



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

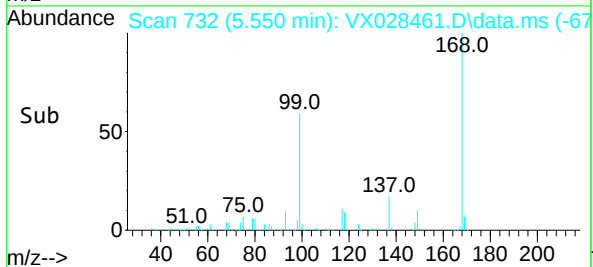
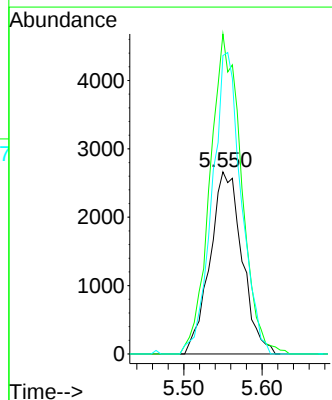
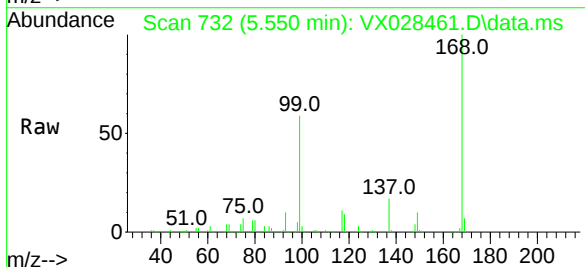
Tgt Ion: 56 Resp: 7585

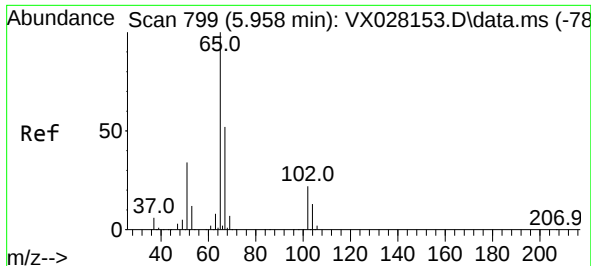
Ion Ratio Lower Upper

56 100

69 175.8 26.7 40.1#

84 164.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.769 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

Instrument :

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ClientSampleId :

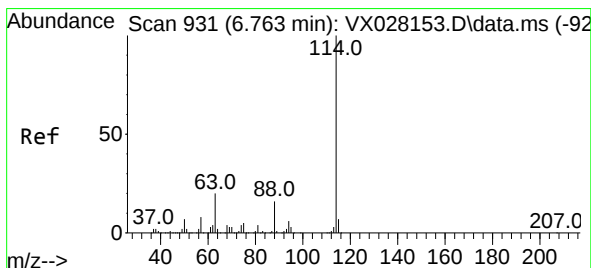
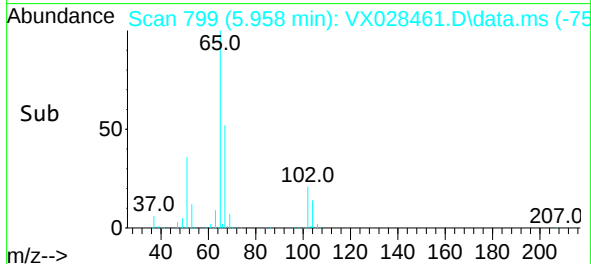
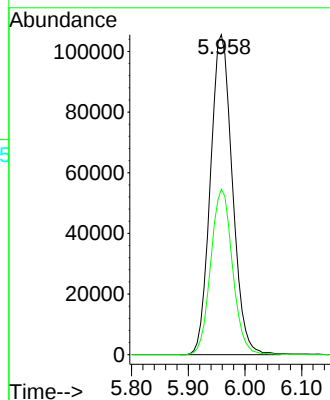
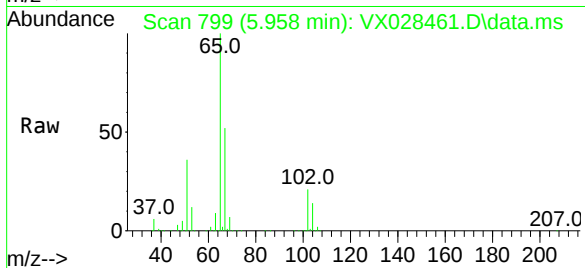
MH-15S

Tgt Ion: 65 Resp: 284031

Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

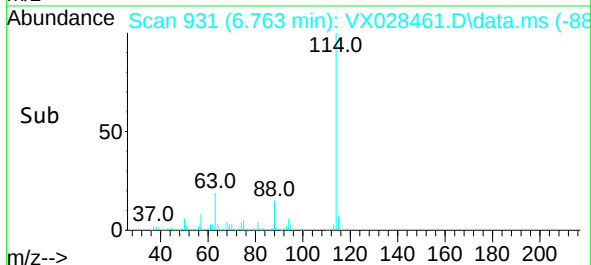
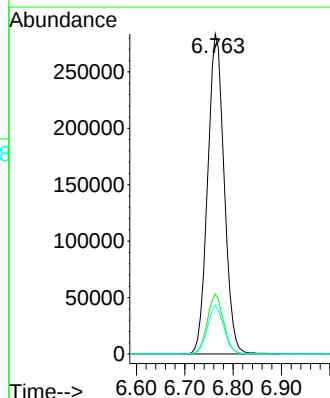
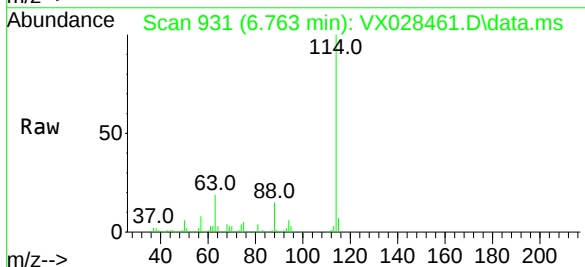
Tgt Ion: 114 Resp: 672704

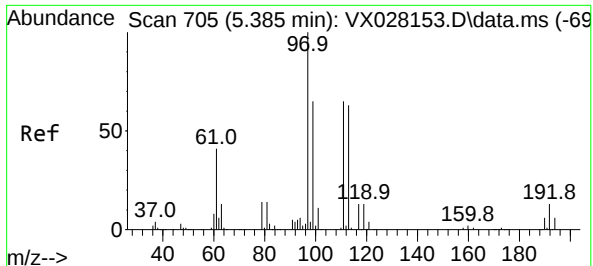
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.970 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

MH-15S

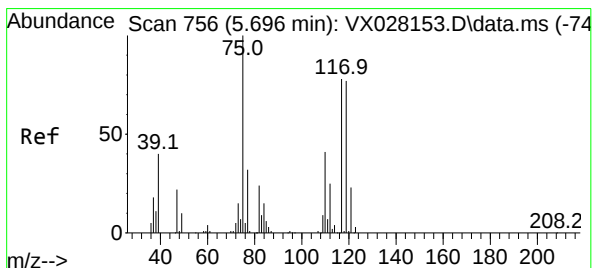
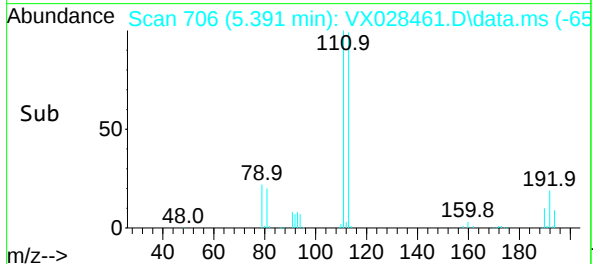
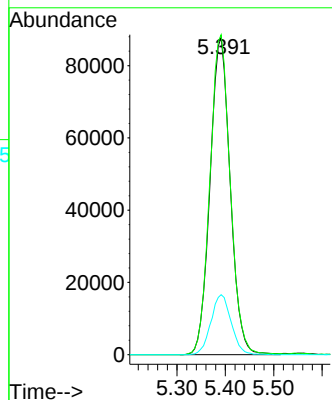
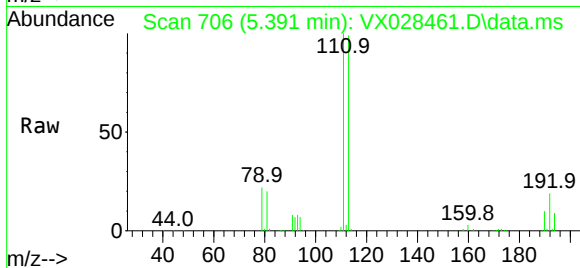
Tgt Ion:113 Resp: 254609

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 19.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.601 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

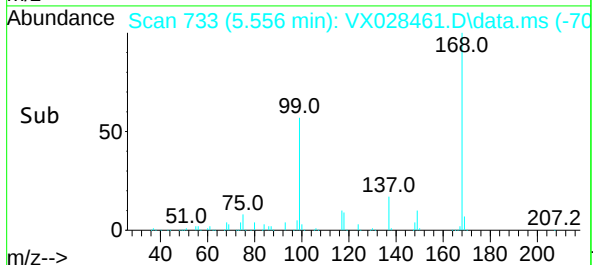
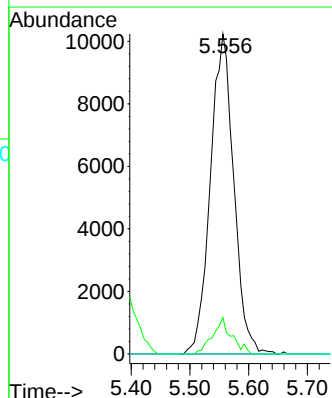
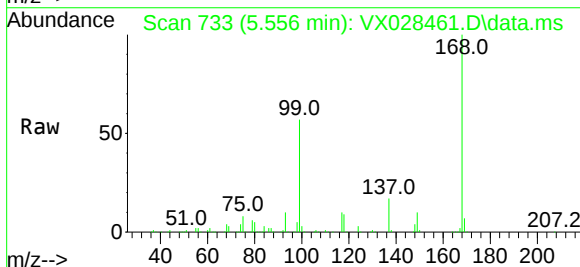
Tgt Ion: 75 Resp: 28312

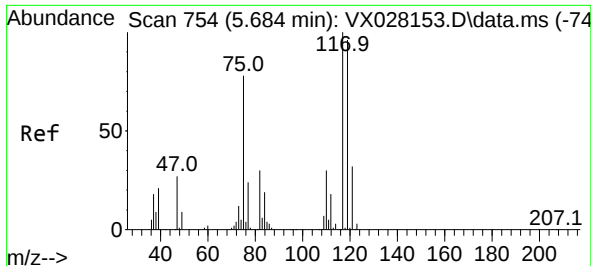
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#

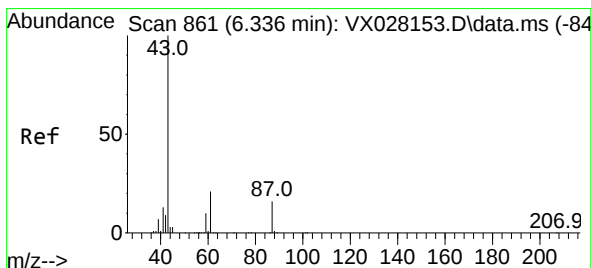
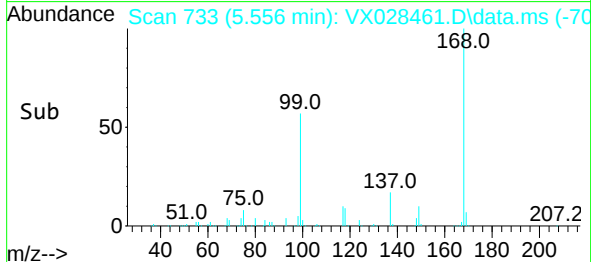
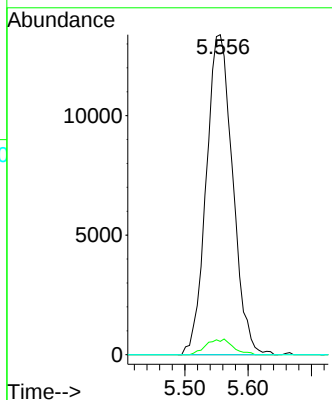
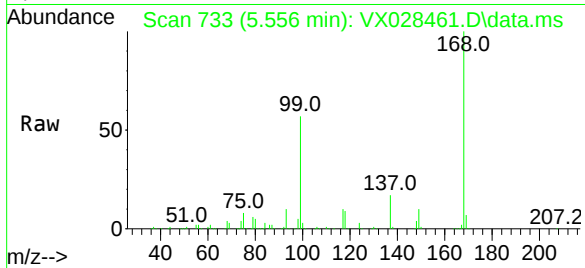




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

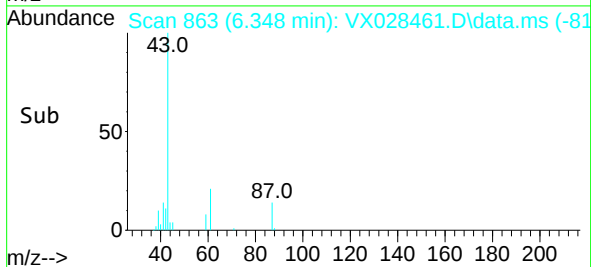
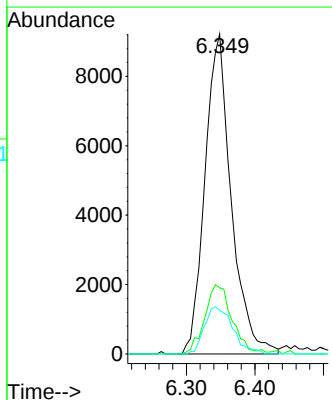
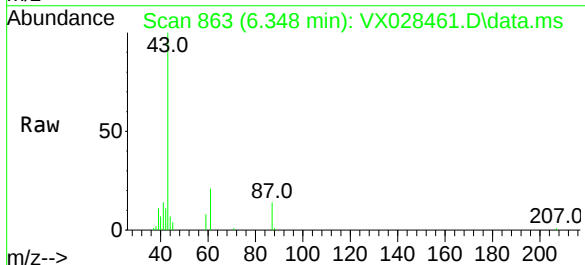
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

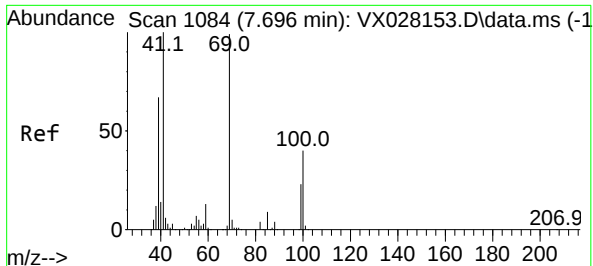
Tgt Ion:117 Resp: 38799
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.421 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 43 Resp: 24599
Ion Ratio Lower Upper
43 100
61 22.5 18.5 27.7
87 15.9 13.0 19.6

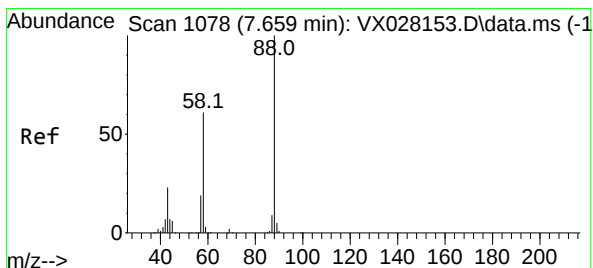
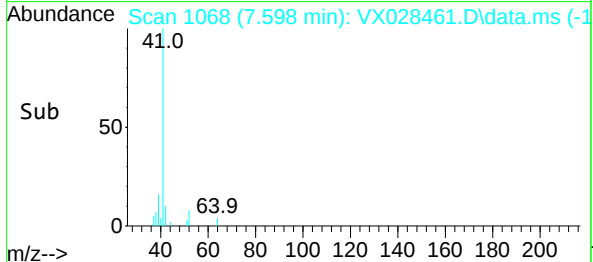
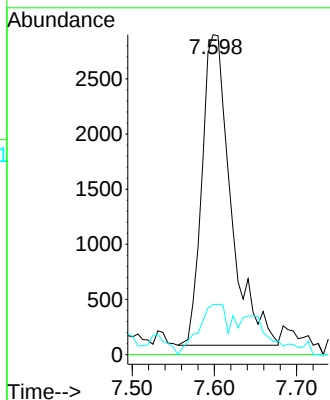
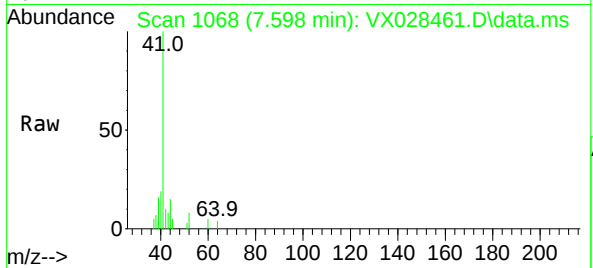




#48
Methyl methacrylate
Concen: 1.467 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

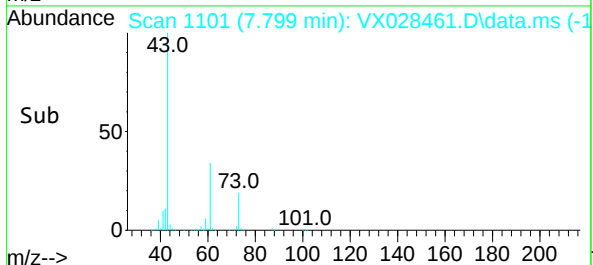
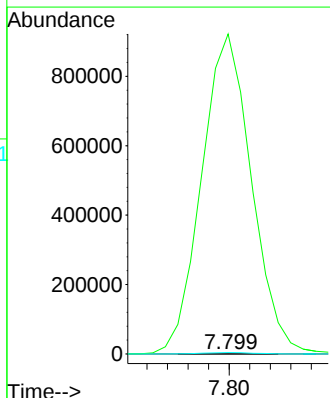
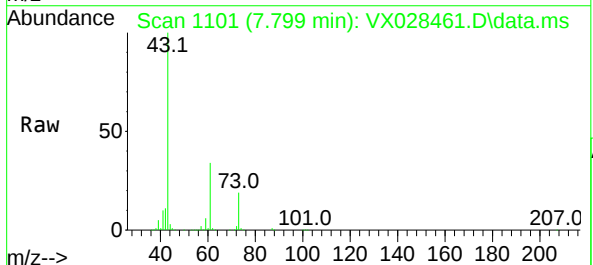
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

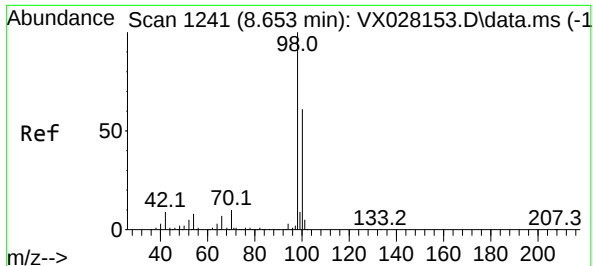
Tgt Ion: 41 Resp: 6846
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.436 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 88 Resp: 304
Ion Ratio Lower Upper
88 100
43 515041.1 21.9 32.9#
58 2388.8 53.7 80.5#

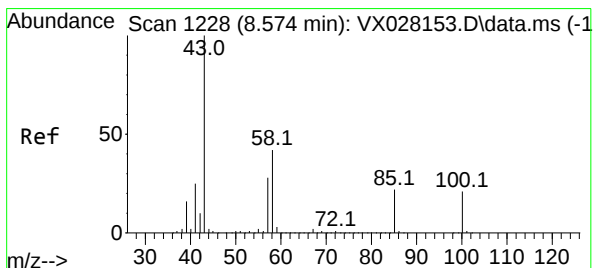
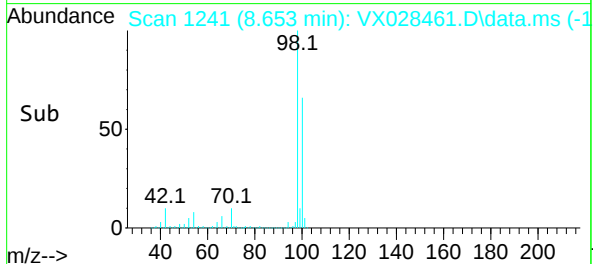
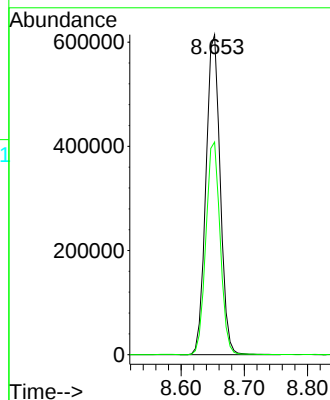
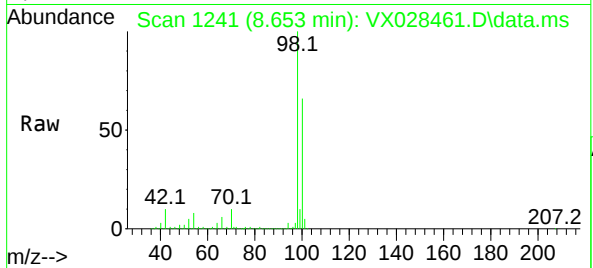




#50
Toluene-d8
Concen: 53.293 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

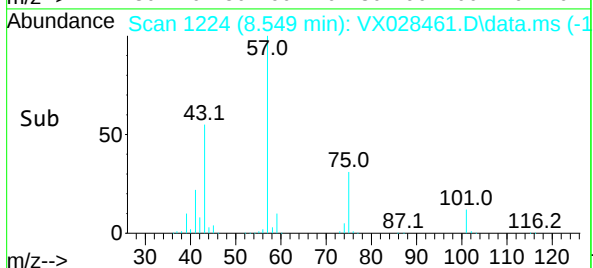
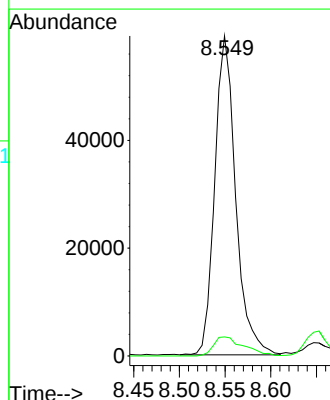
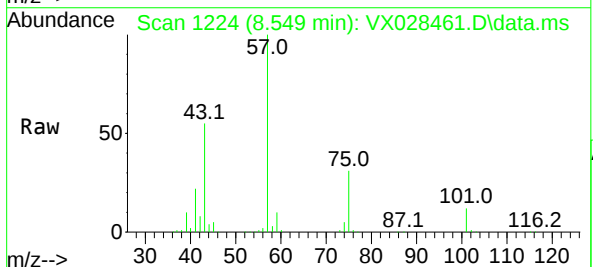
Instrument :
MSVOA_X
ClientSampleId :
MH-15S

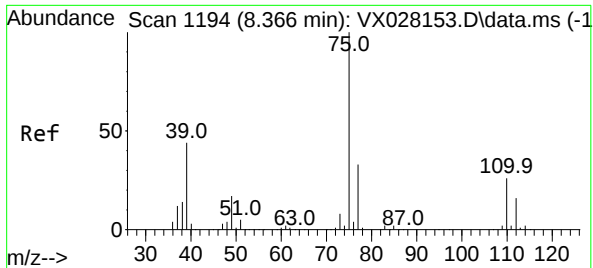
Tgt Ion: 98 Resp: 965643
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.443 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028461.D
Acq: 30 Apr 2022 06:32

Tgt Ion: 43 Resp: 94185
Ion Ratio Lower Upper
43 100
58 8.7 36.1 54.1#

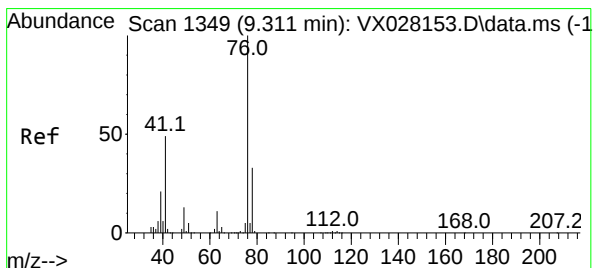
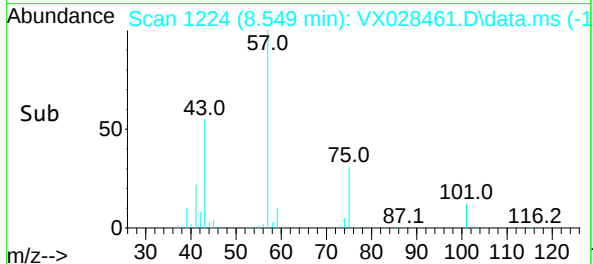
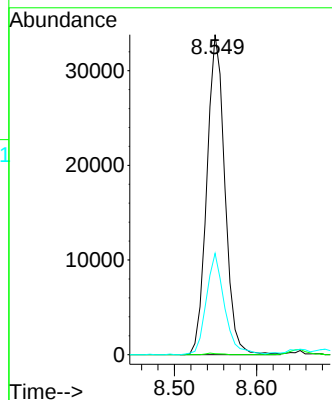
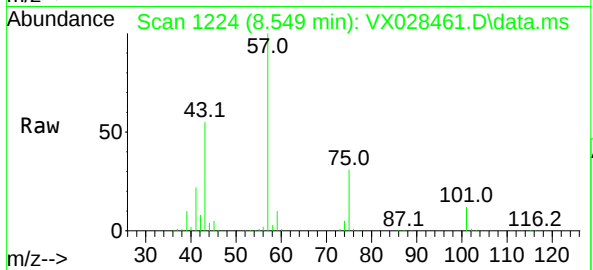




#54
 cis-1,3-Dichloropropene
 Concen: 6.779 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028461.D
 Acq: 30 Apr 2022 06:32

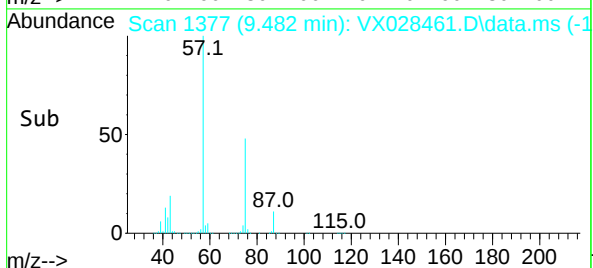
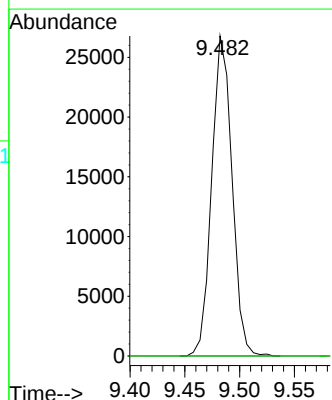
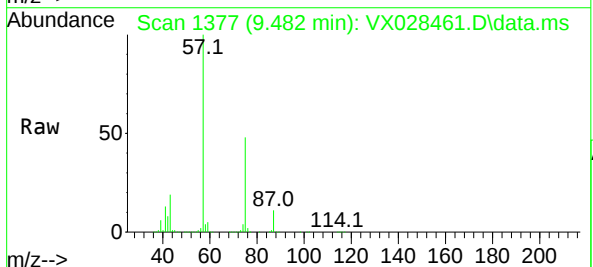
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-15S

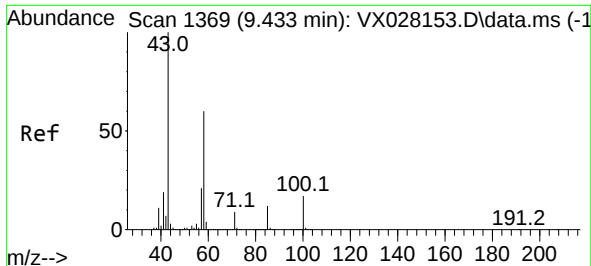
Tgt Ion: 75 Resp: 51433
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 31.6 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.207 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028461.D
 Acq: 30 Apr 2022 06:32

Tgt Ion: 76 Resp: 34530
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 75.203 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

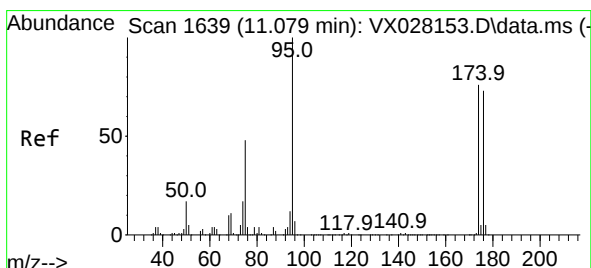
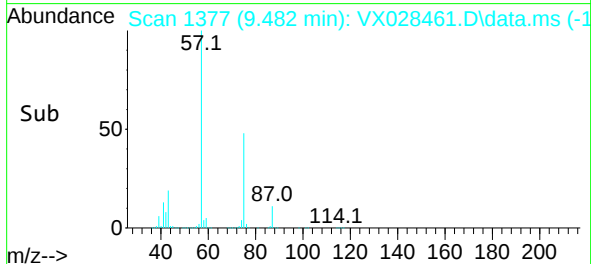
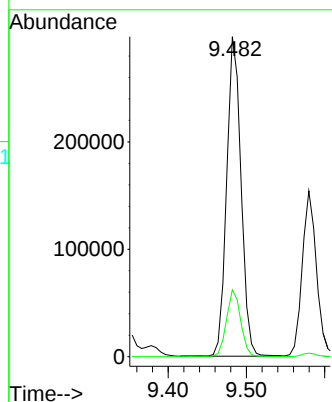
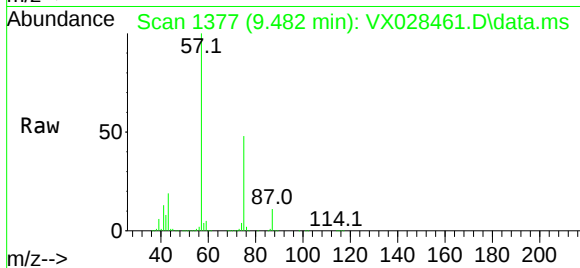
MH-15S

Tgt Ion: 43 Resp: 379883

Ion Ratio Lower Upper

43 100

58 20.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 51.160 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

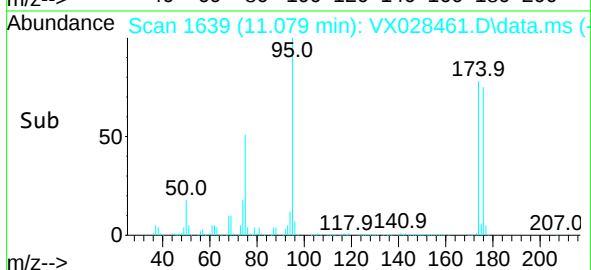
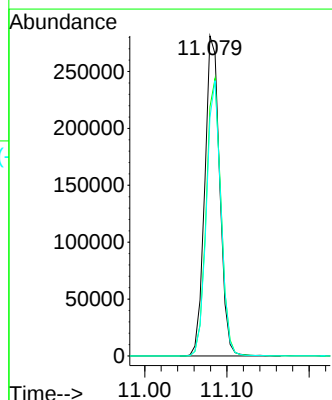
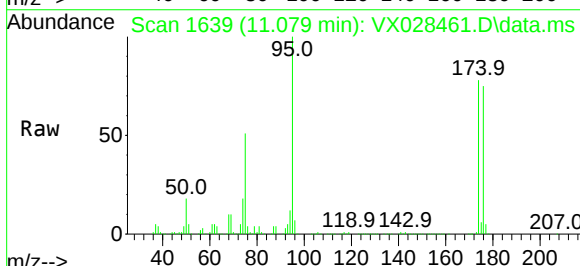
Tgt Ion: 95 Resp: 354445

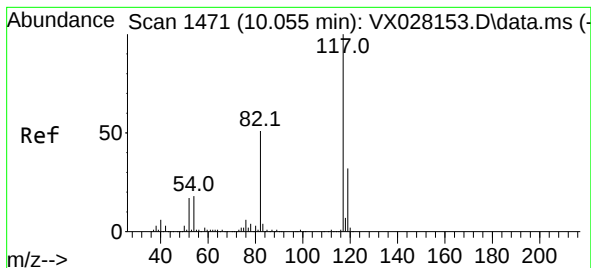
Ion Ratio Lower Upper

95 100

174 85.5 0.0 163.0

176 83.3 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

MH-15S

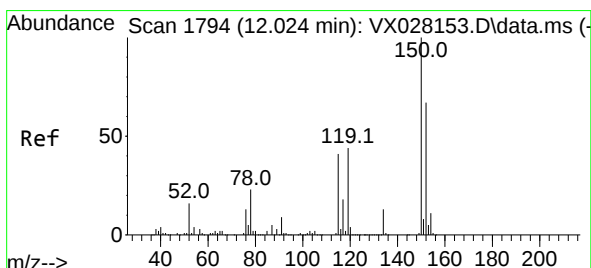
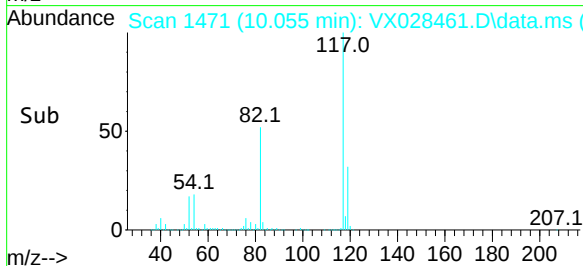
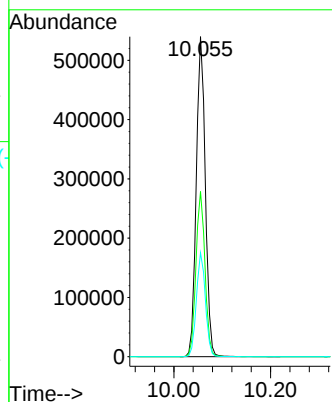
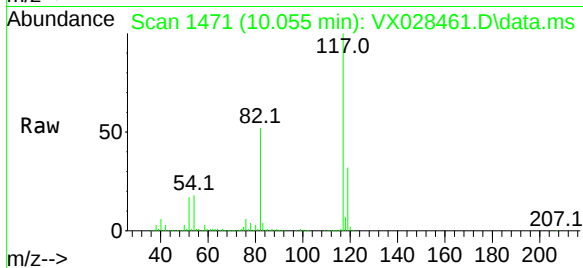
Tgt Ion:117 Resp: 698711

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

119 32.4 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

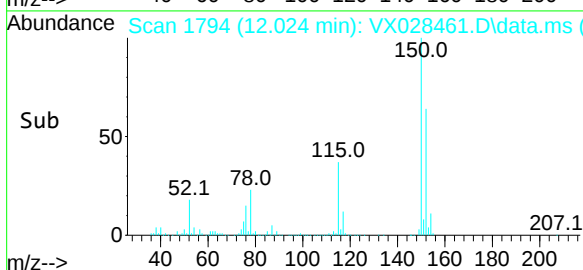
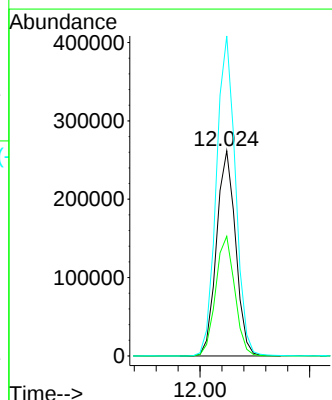
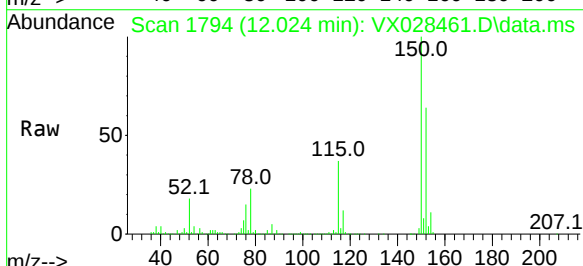
Tgt Ion:152 Resp: 316690

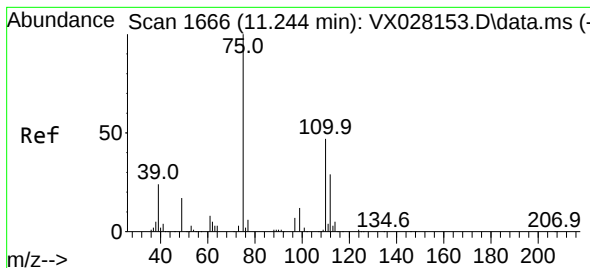
Ion Ratio Lower Upper

152 100

115 58.5 37.5 112.7

150 156.5 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 28.401 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

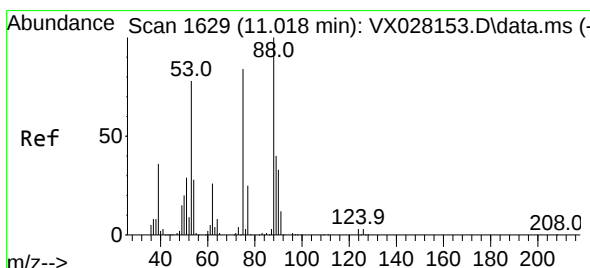
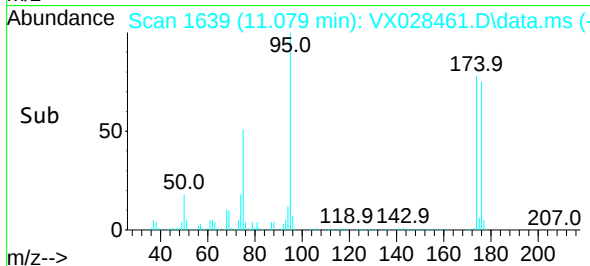
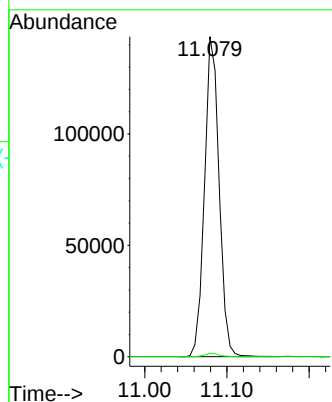
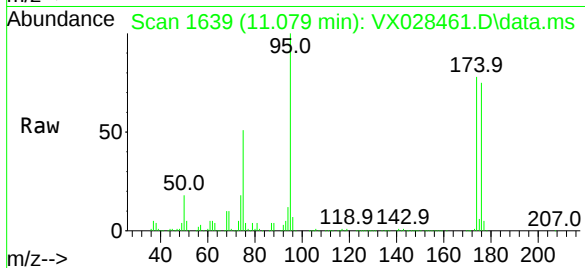
MH-15S

Tgt Ion: 75 Resp: 177012

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.399 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028461.D

Acq: 30 Apr 2022 06:32

Tgt Ion: 75 Resp: 177012

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

