

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028462.D
 Acq On : 30 Apr 2022 06:56
 Operator : JC/MD
 Sample : N2600-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-15D

Quant Time: Apr 30 09:25:17 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

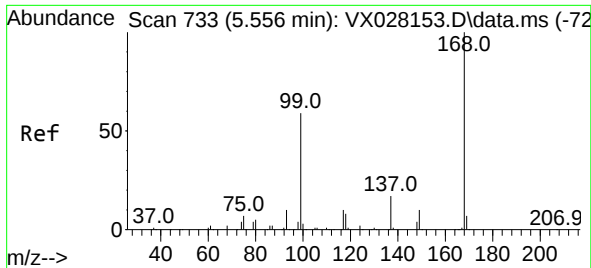
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	368973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	662953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	684565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	314744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	278471	57.882	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.760%
35) Dibromofluoromethane	5.391	113	245470	52.798	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.600%
50) Toluene-d8	8.653	98	944410	52.888	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.780%
62) 4-Bromofluorobenzene	11.079	95	341026	49.947	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.900%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	352	Below Cal		96
5) Bromomethane	1.611	94	759	Below Cal		94
6) Chloroethane	1.672	64	567	Below Cal	#	88
10) Methyl Iodide	2.465	142	163	5.270	ug/l #	41
11) Tert butyl alcohol	2.947	59	3761	Below Cal	#	72
16) Acetone	2.380	43	13413	7.775	ug/l	93
18) Methyl Acetate	2.703	43	2221	0.519	ug/l #	86
20) Methylene Chloride	2.794	84	21155	5.926	ug/l	98
25) 2-Butanone	4.568	43	2561	0.899	ug/l	93
29) Tetrahydrofuran	5.025	42	395	0.213	ug/l #	76
31) Cyclohexane	5.556	56	7376	1.258	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28165	4.644	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38368	5.604	ug/l #	15
43) Isopropyl Acetate	6.348	43	25628	2.559	ug/l	95
48) Methyl methacrylate	7.598	41	7750	1.686	ug/l #	7
49) 1,4-Dioxane	7.793	88	336	2.732	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	95520	14.863	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	50271	6.724	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	33079	4.090	ug/l #	43
59) 2-Hexanone	9.482	43	383732	77.082	ug/l #	45
74) N-amyl acetate	10.640	43	15973	2.136	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	172311	27.817	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	172311	82.666	ug/l #	15

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

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Quant Title : SW846 8260
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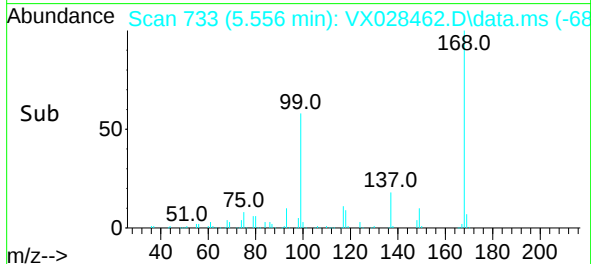
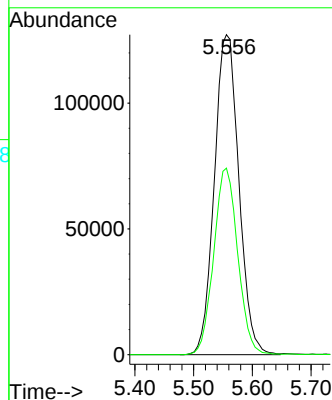
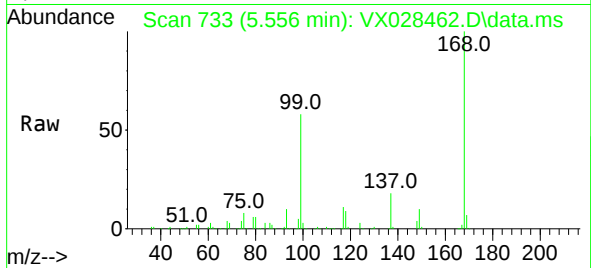




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

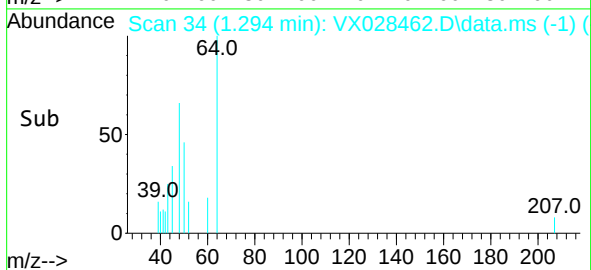
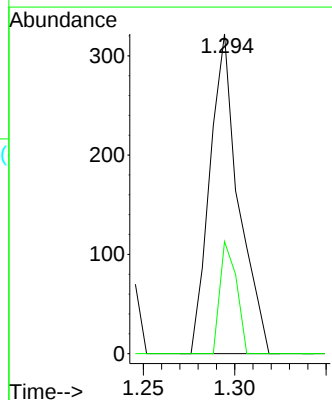
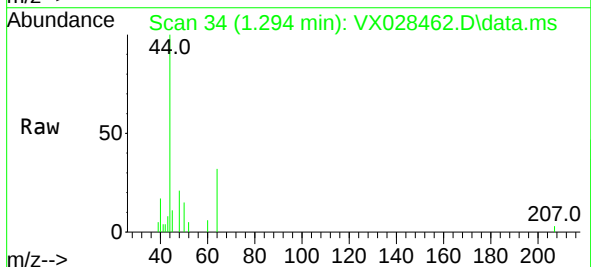
Instrument :
MSVOA_X
ClientSampleId :
MH-15D

Tgt Ion:168 Resp: 368973
Ion Ratio Lower Upper
168 100
99 58.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 35.1 26.4 39.6

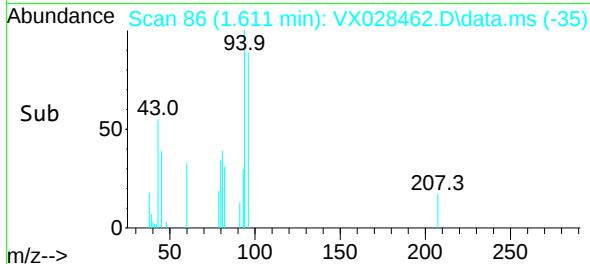
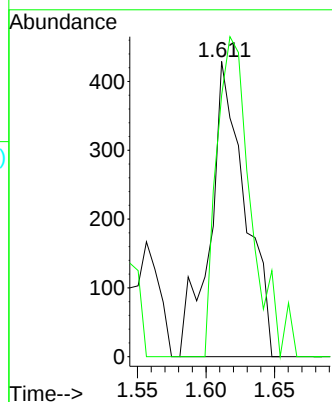
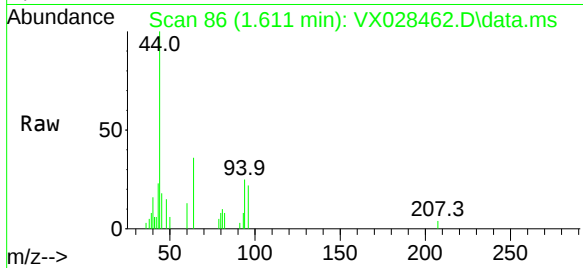




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

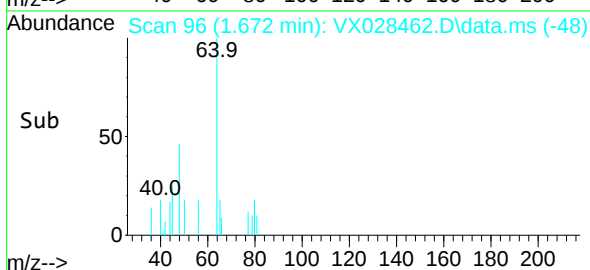
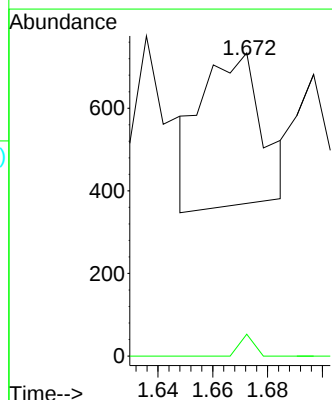
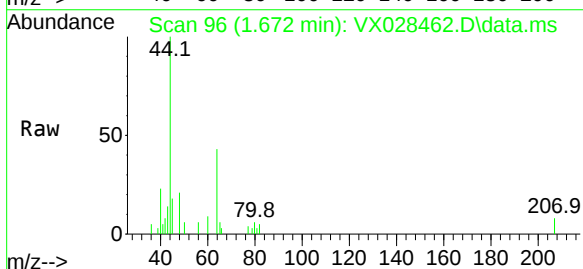
Instrument :
MSVOA_X
ClientSampleId :
MH-15D

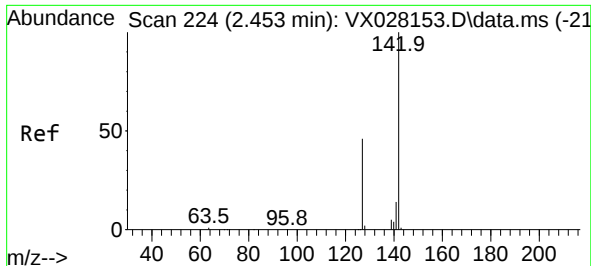
Tgt Ion: 94 Resp: 759
Ion Ratio Lower Upper
94 100
96 88.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

Tgt Ion: 64 Resp: 567
Ion Ratio Lower Upper
64 100
66 25.0 25.3 37.9#





#10

Methyl Iodide

Concen: 5.270 ug/l

RT: 2.465 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

Instrument :

MSVOA_X

ClientSampleId :

MH-15D

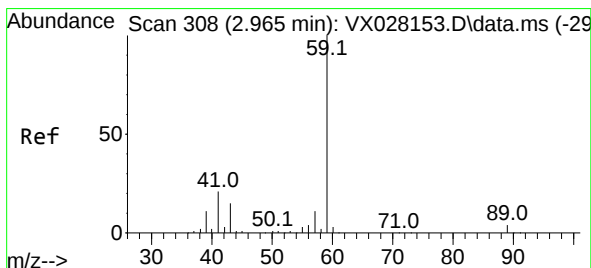
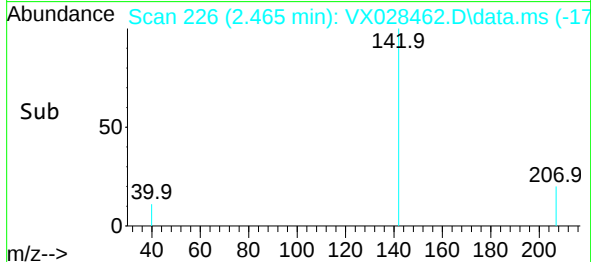
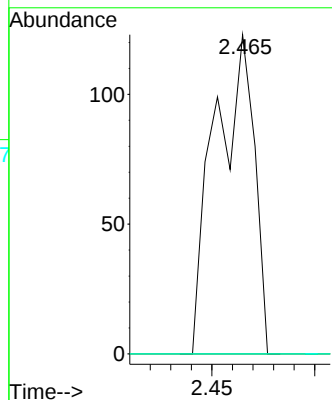
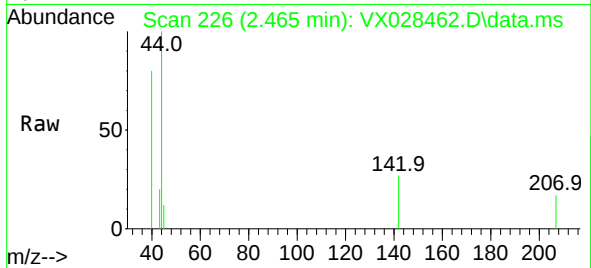
Tgt Ion:142 Resp: 163

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: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX028462.D

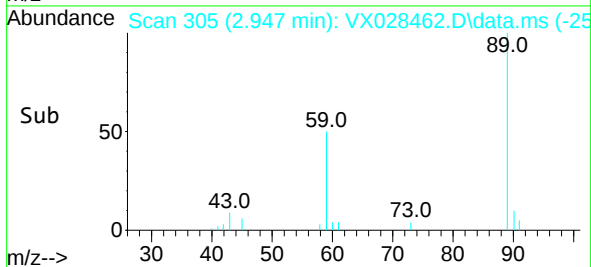
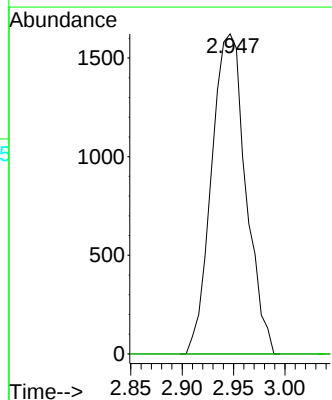
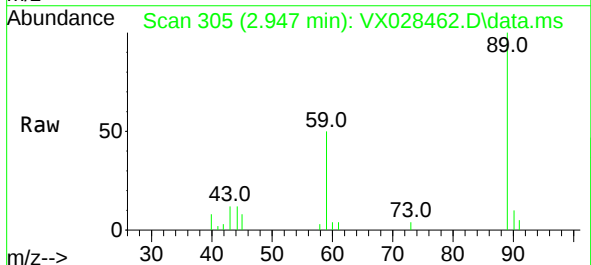
Acq: 30 Apr 2022 06:56

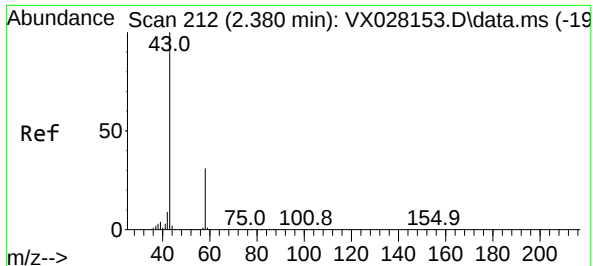
Tgt Ion: 59 Resp: 3761

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

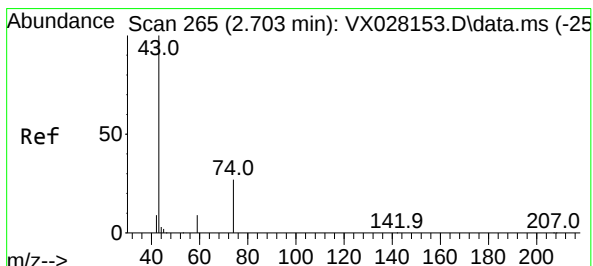
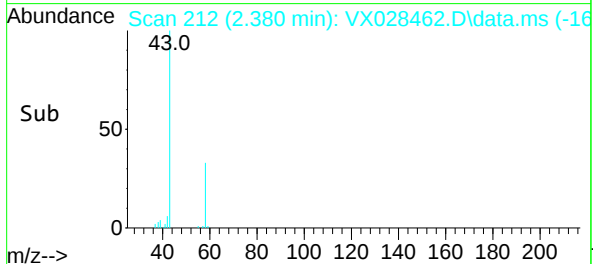
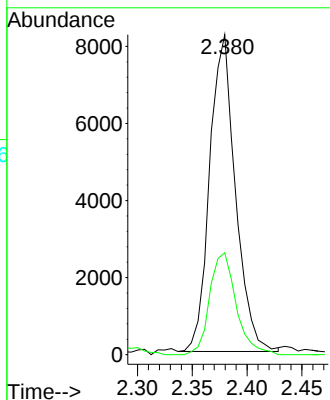
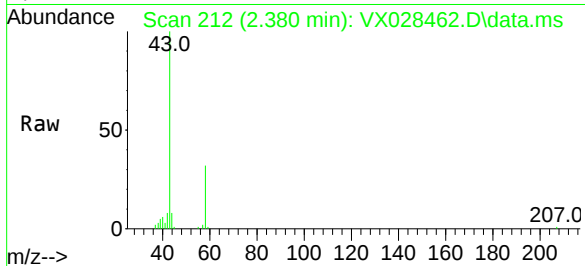




#16
Acetone
Concen: 7.775 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

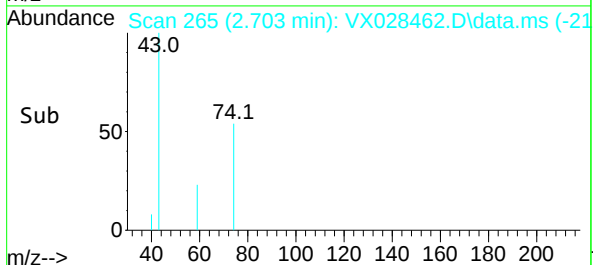
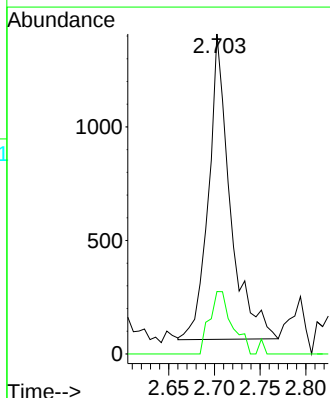
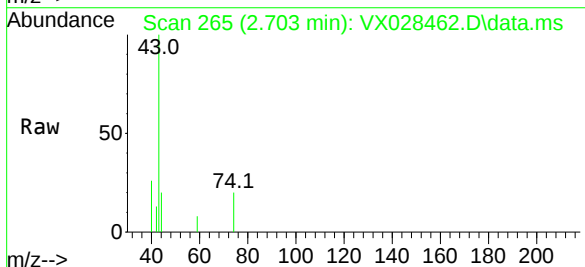
Instrument :
MSVOA_X
Client Sample Id :
MH-15D

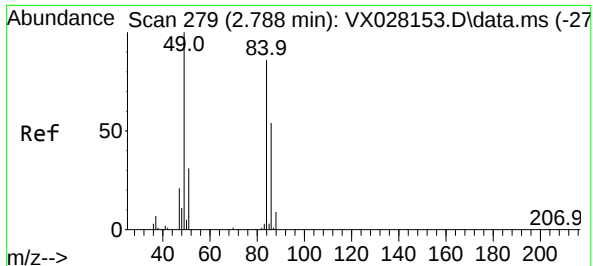
Tgt Ion: 43 Resp: 13413
Ion Ratio Lower Upper
43 100
58 32.2 28.8 43.2



#18
Methyl Acetate
Concen: 0.519 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

Tgt Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 21.2 22.8 34.2#

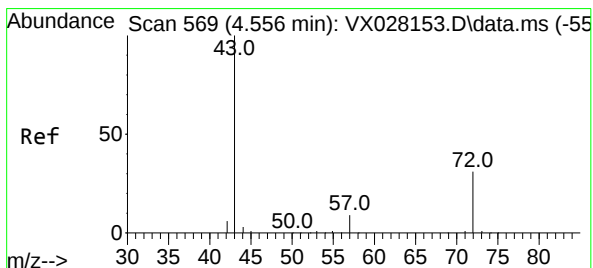
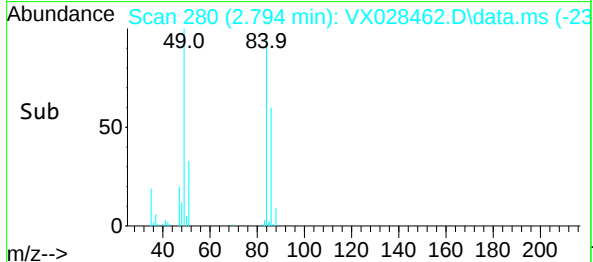
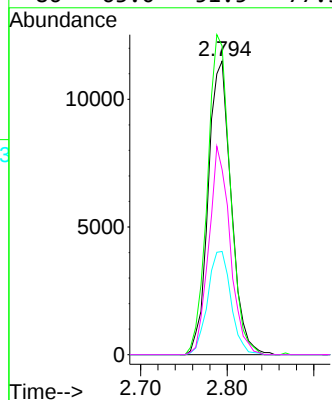
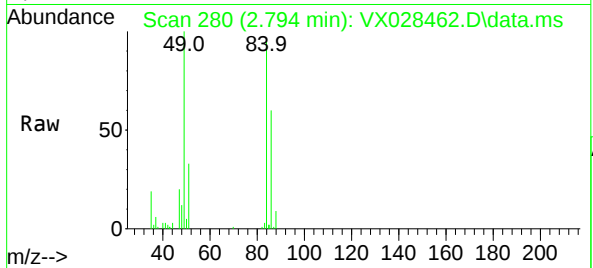




#20
Methylene Chloride
Concen: 5.926 ug/l
RT: 2.794 min Scan# 21155
Delta R.T. 0.006 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

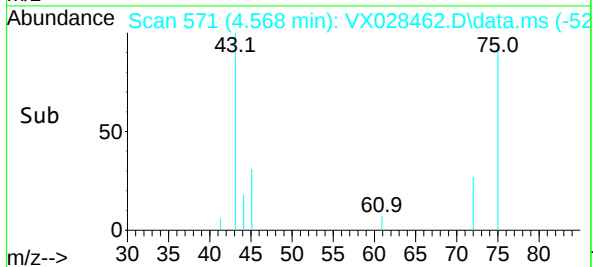
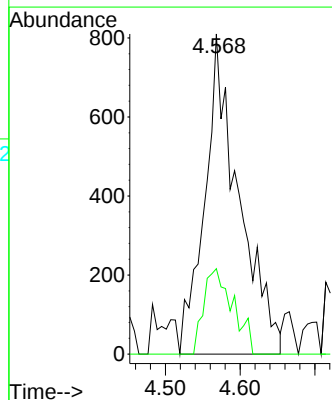
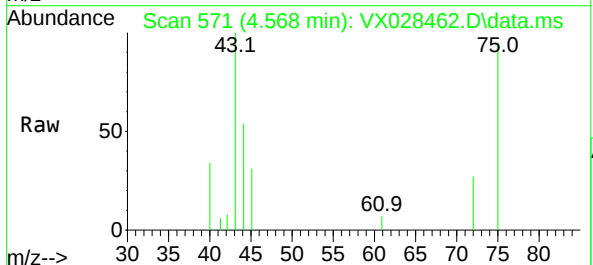
Instrument :
MSVOA_X
ClientSampleId :
MH-15D

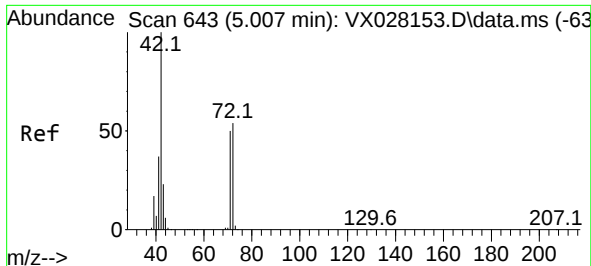
Tgt Ion:	84	Resp:	21155
Ion	Ratio	Lower	Upper
84	100		
49	105.2	85.5	128.3
51	35.2	26.6	39.8
86	63.0	51.5	77.3



#25
2-Butanone
Concen: 0.899 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

Tgt Ion:	43	Resp:	2561
Ion	Ratio	Lower	Upper
43	100		
72	26.7	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.213 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

Instrument :

MSVOA_X

ClientSampleId :

MH-15D

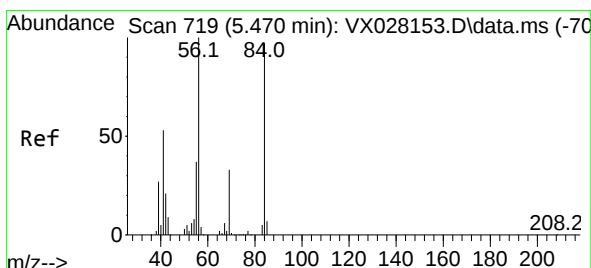
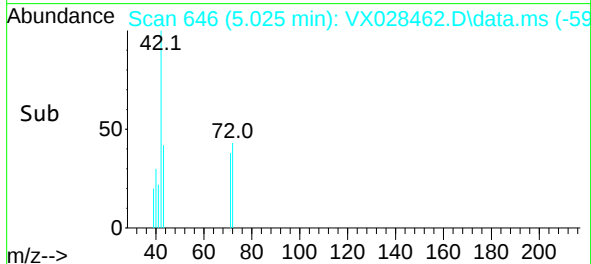
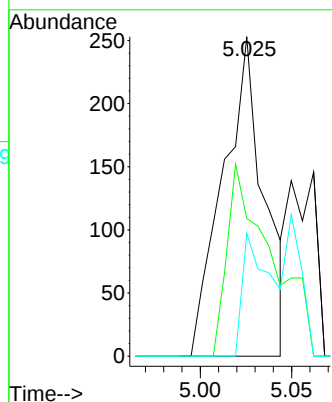
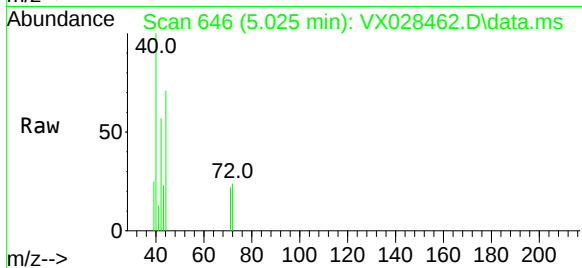
Tgt Ion: 42 Resp: 395

Ion Ratio Lower Upper

42 100

72 64.6 44.1 66.1

71 26.3 40.5 60.7#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

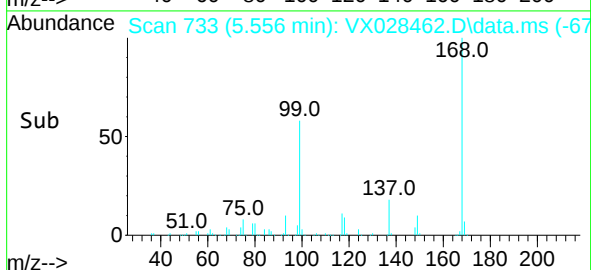
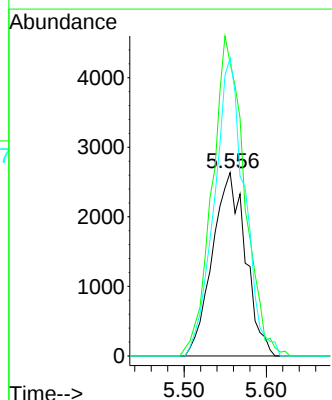
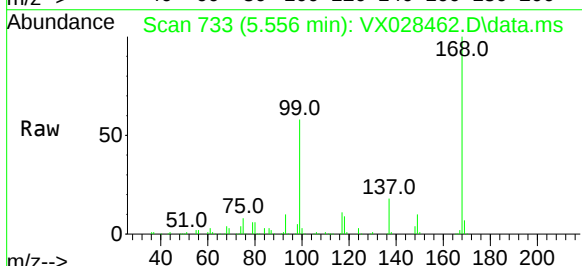
Tgt Ion: 56 Resp: 7376

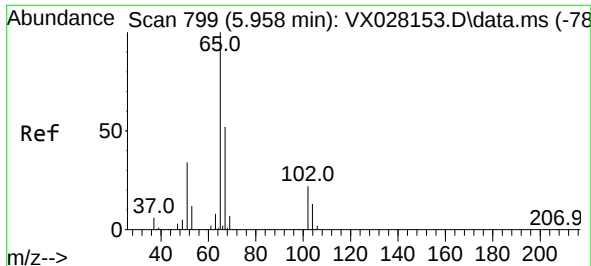
Ion Ratio Lower Upper

56 100

69 159.7 26.7 40.1#

84 162.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.882 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

Instrument :

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ClientSampleId :

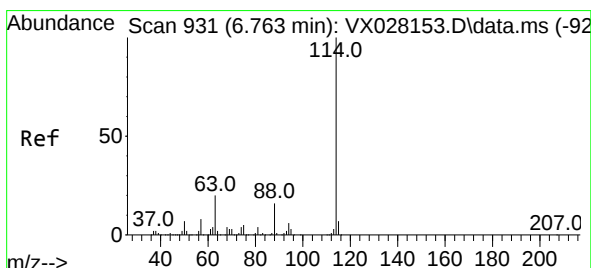
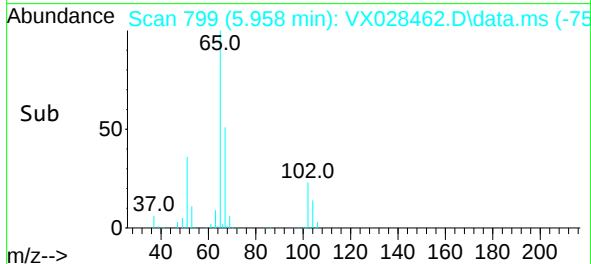
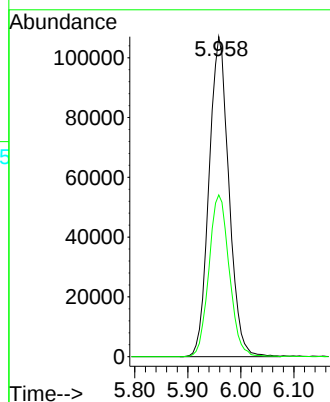
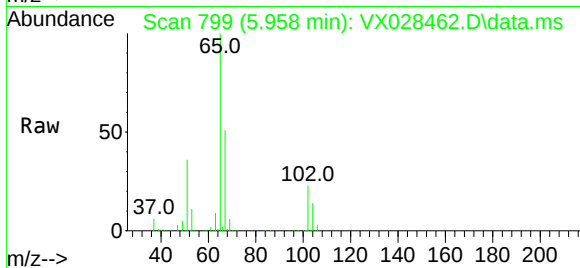
MH-15D

Tgt Ion: 65 Resp: 278471

Ion Ratio Lower Upper

65 100

67 51.8 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: VX028462.D

Acq: 30 Apr 2022 06:56

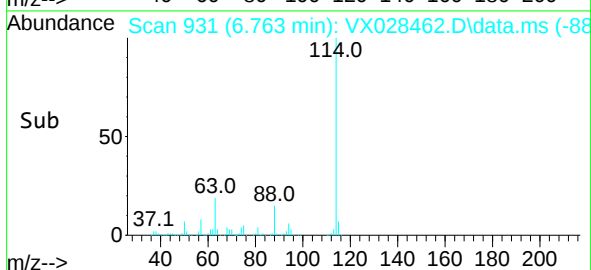
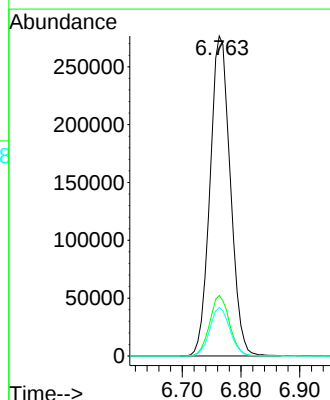
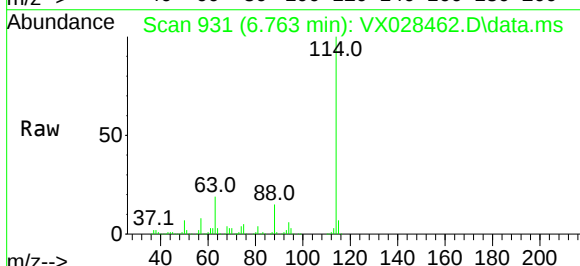
Tgt Ion: 114 Resp: 662953

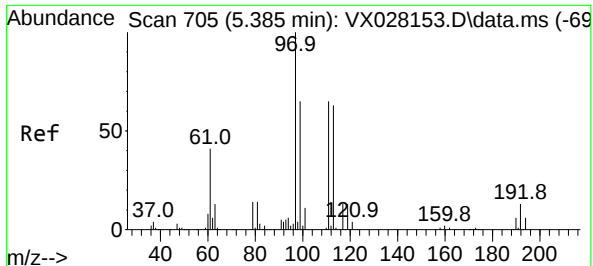
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.798 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

Instrument :

MSVOA_X

ClientSampleId :

MH-15D

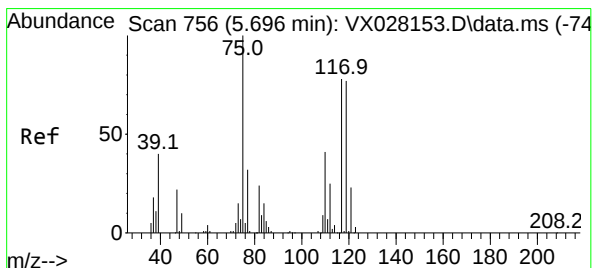
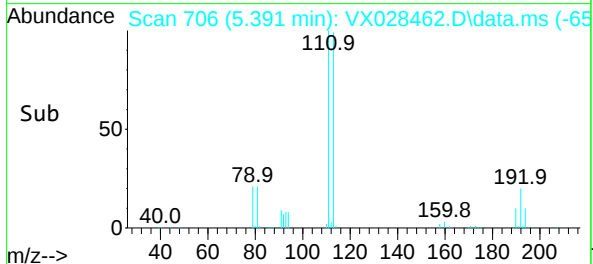
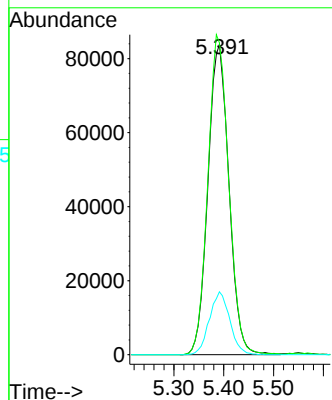
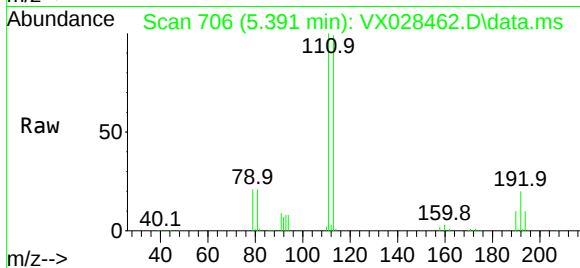
Tgt Ion:113 Resp: 245470

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

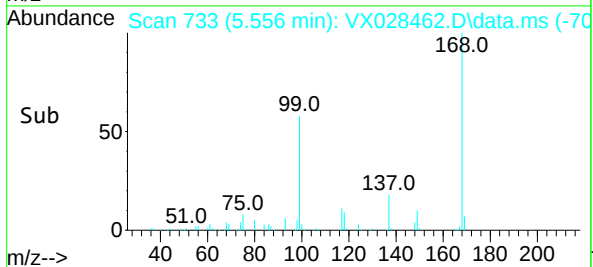
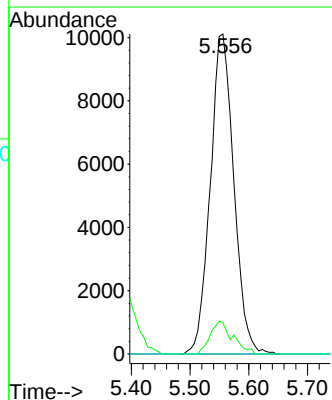
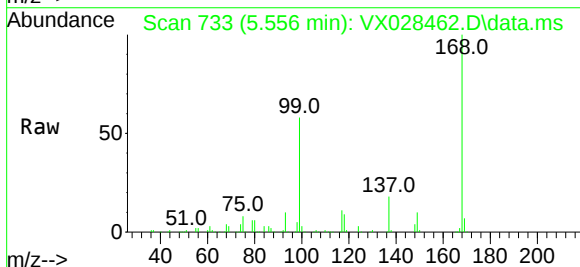
Tgt Ion: 75 Resp: 28165

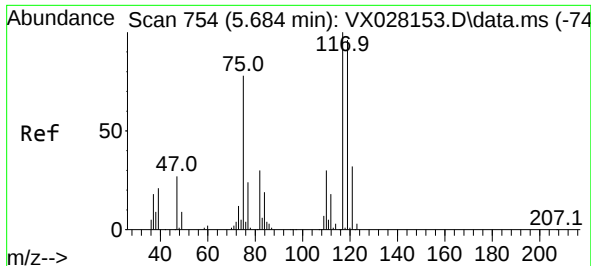
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#

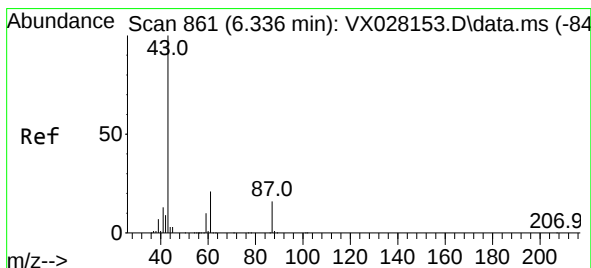
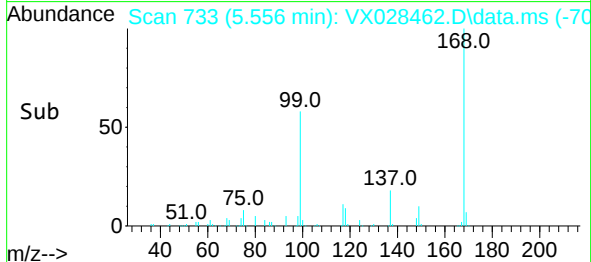
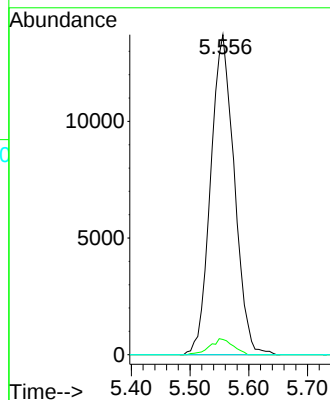
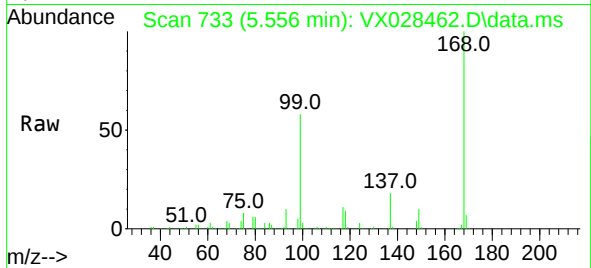




#38
Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

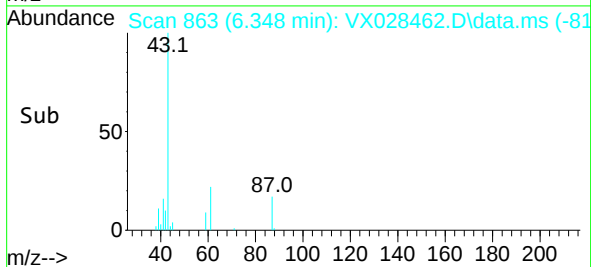
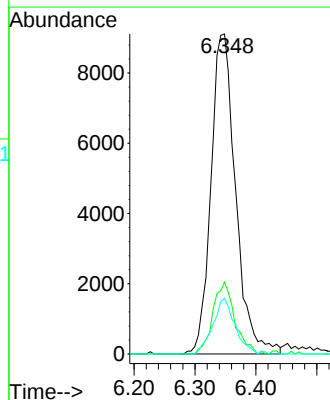
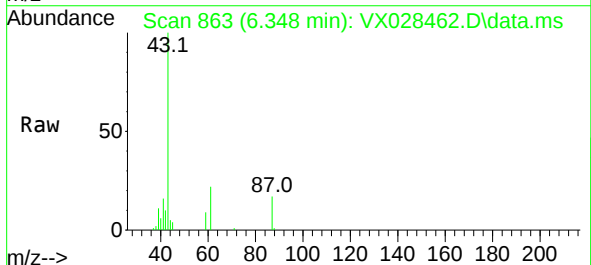
Instrument :
MSVOA_X
ClientSampleId :
MH-15D

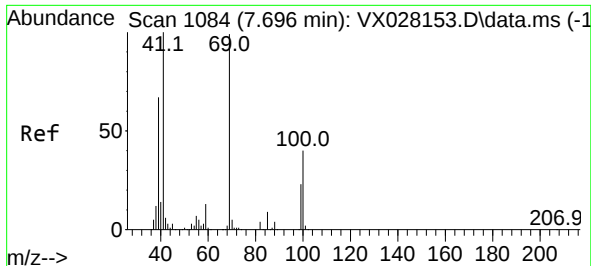
Tgt Ion:117 Resp: 38368
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.559 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

Tgt Ion: 43 Resp: 25628
Ion Ratio Lower Upper
43 100
61 20.0 18.5 27.7
87 15.5 13.0 19.6





#48

Methyl methacrylate

Concen: 1.686 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

Instrument :

MSVOA_X

ClientSampleId :

MH-15D

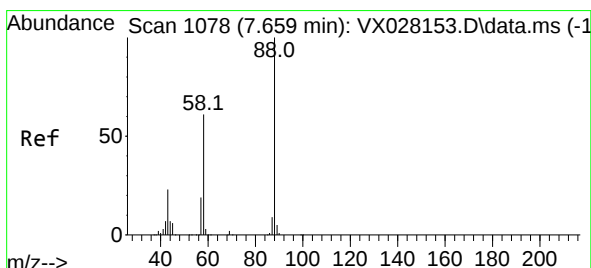
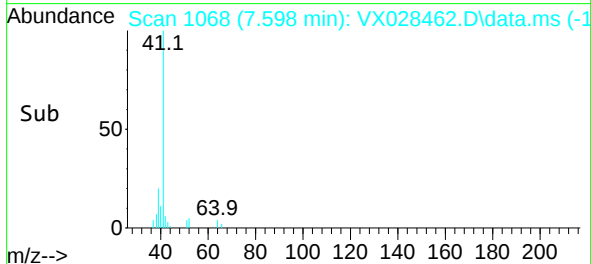
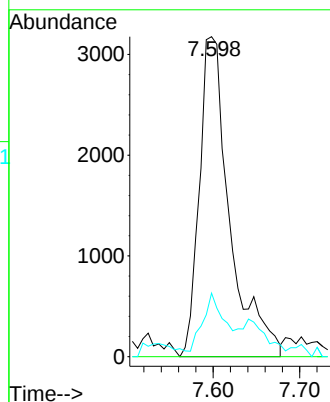
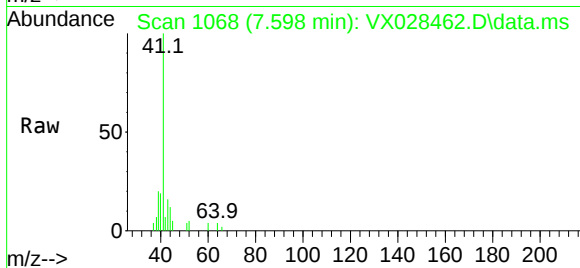
Tgt Ion: 41 Resp: 7750

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: 2.732 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

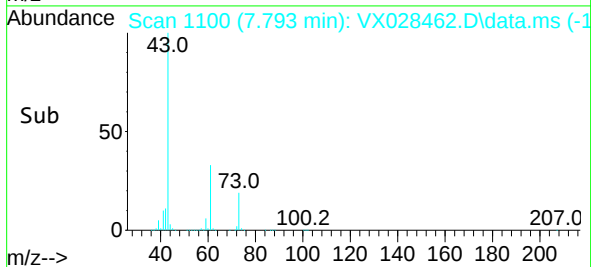
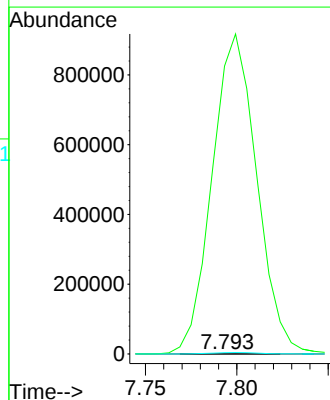
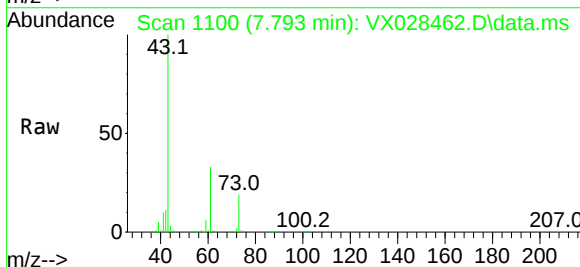
Tgt Ion: 88 Resp: 336

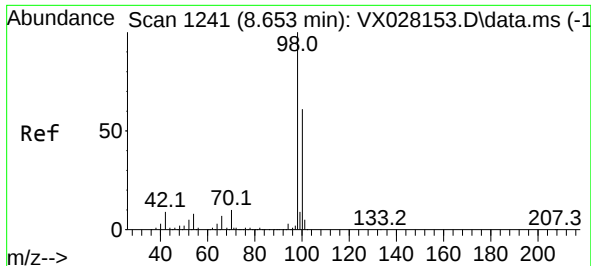
Ion Ratio Lower Upper

88 100

43 467164.0 21.9 32.9#

58 2194.0 53.7 80.5#

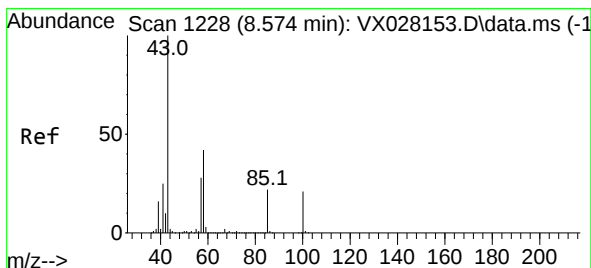
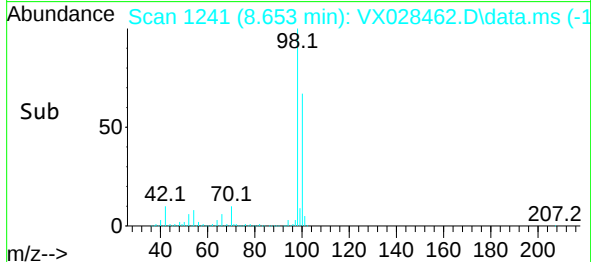
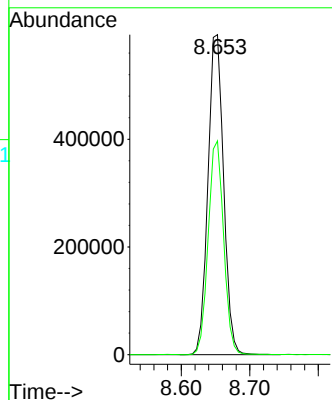
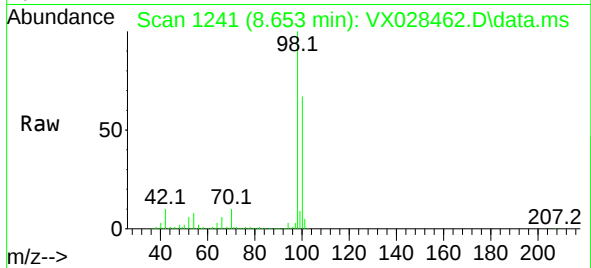




#50
Toluene-d8
Concen: 52.888 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

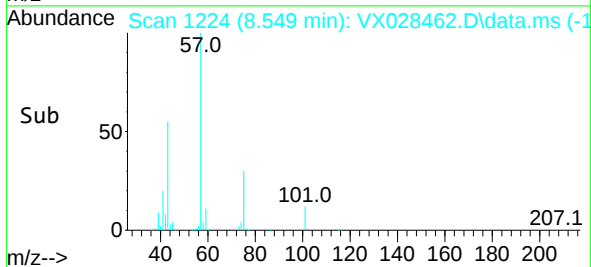
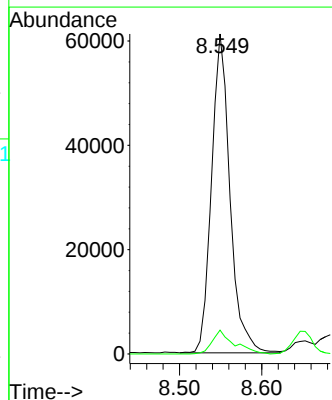
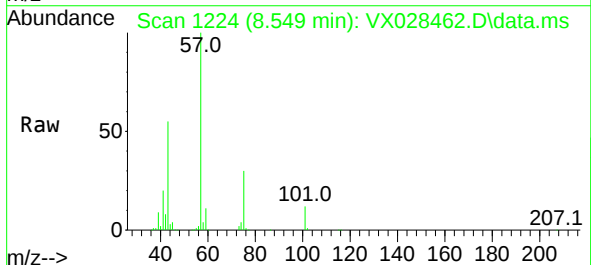
Instrument :
MSVOA_X
ClientSampleId :
MH-15D

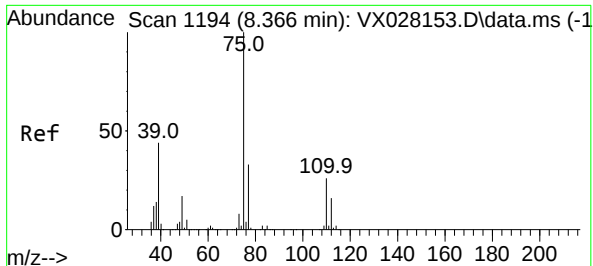
Tgt Ion: 98 Resp: 944410
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.863 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

Tgt Ion: 43 Resp: 95520
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#





#54

cis-1,3-Dichloropropene

Concen: 6.724 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

Instrument :

MSVOA_X

ClientSampleId :

MH-15D

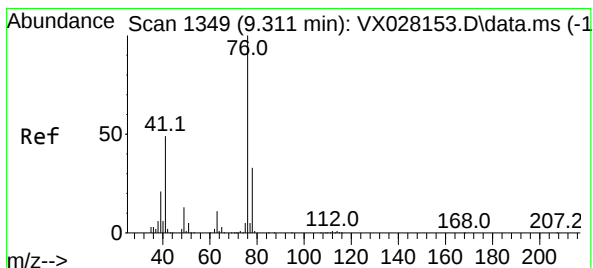
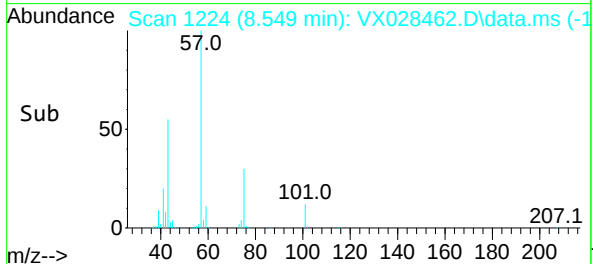
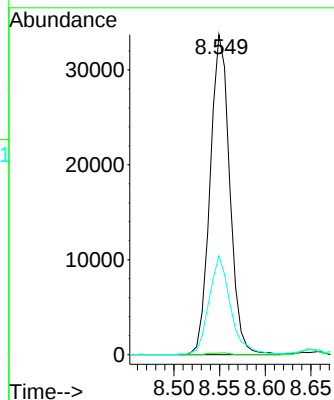
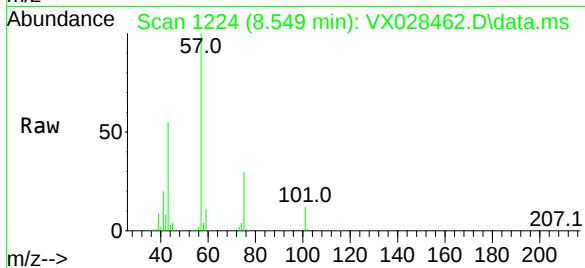
Tgt Ion: 75 Resp: 50271

Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 30.6 29.6 44.4



#57

1,3-Dichloropropane

Concen: 4.090 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028462.D

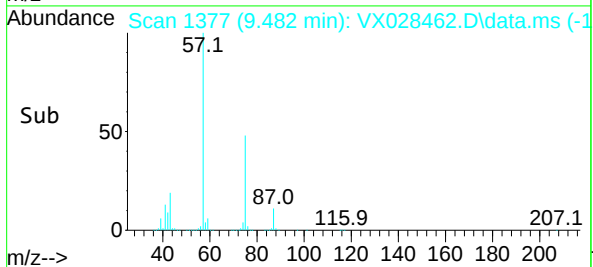
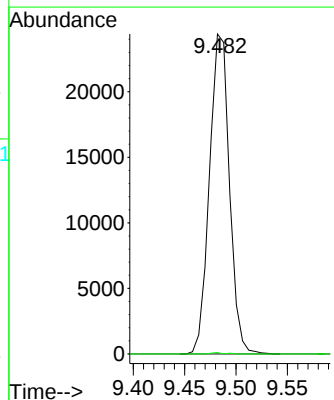
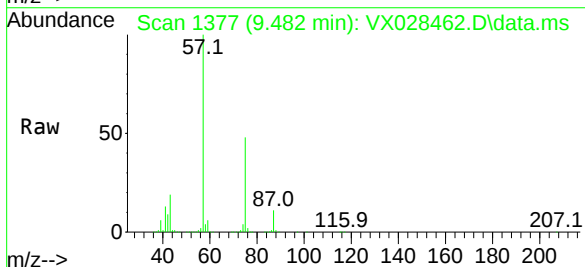
Acq: 30 Apr 2022 06:56

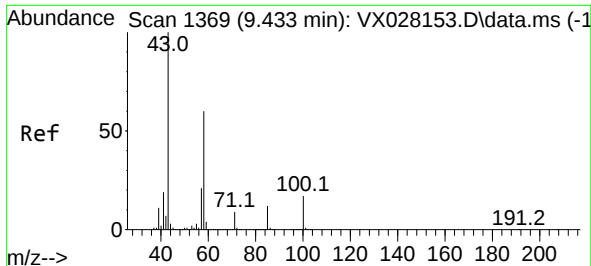
Tgt Ion: 76 Resp: 33079

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#





#59

2-Hexanone

Concen: 77.082 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

Instrument :

MSVOA_X

ClientSampleId :

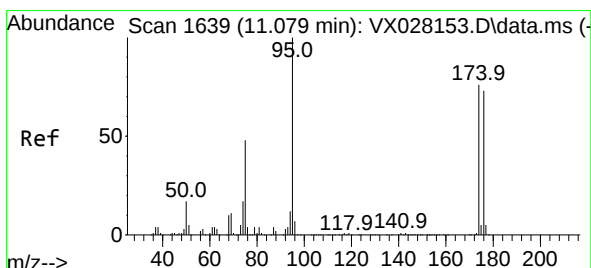
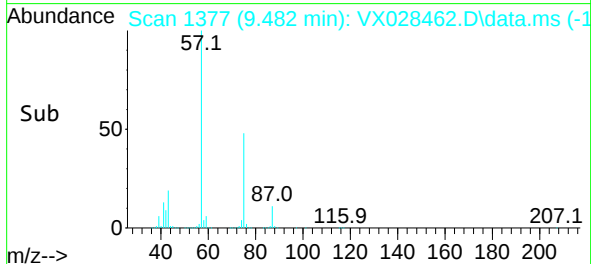
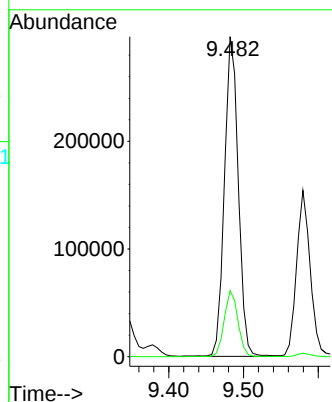
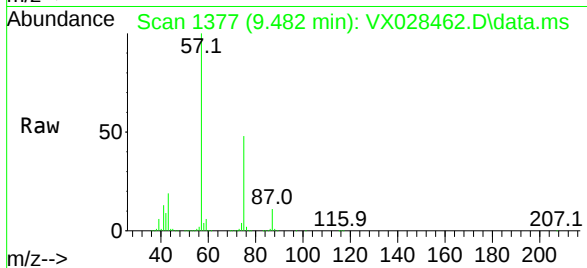
MH-15D

Tgt Ion: 43 Resp: 383732

Ion Ratio Lower Upper

43 100

58 20.6 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.947 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028462.D

Acq: 30 Apr 2022 06:56

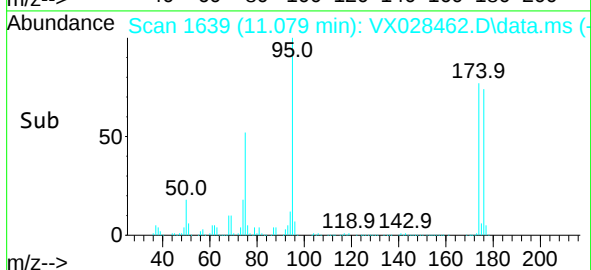
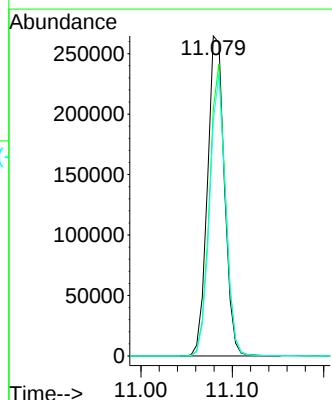
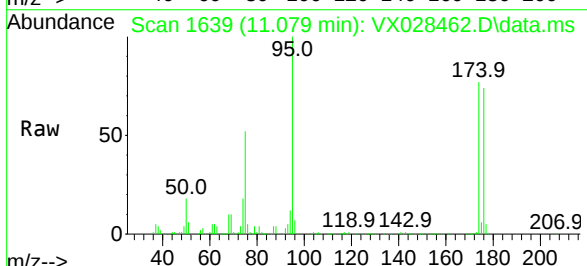
Tgt Ion: 95 Resp: 341026

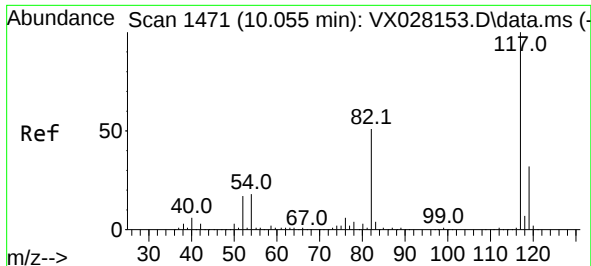
Ion Ratio Lower Upper

95 100

174 86.6 0.0 163.0

176 82.6 0.0 155.0

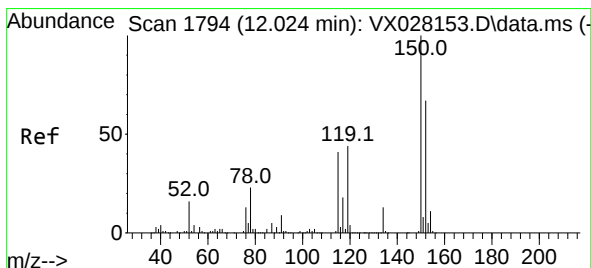
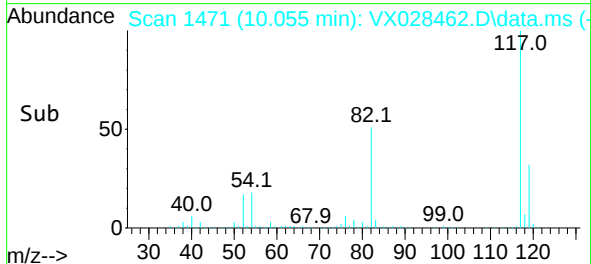
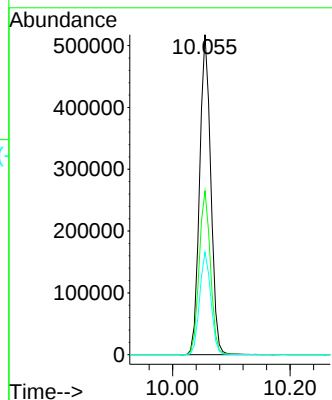
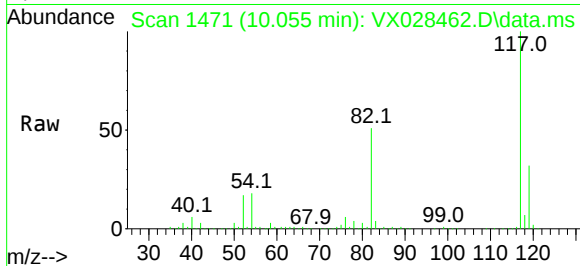




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

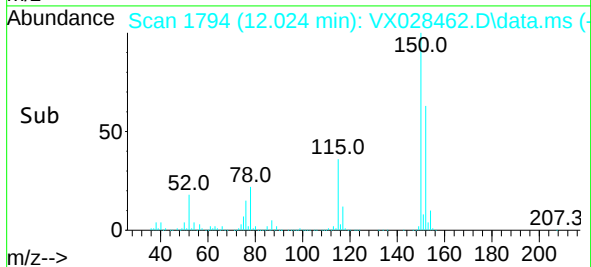
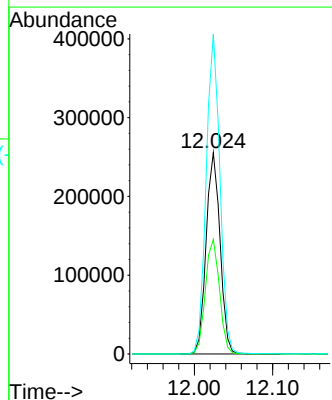
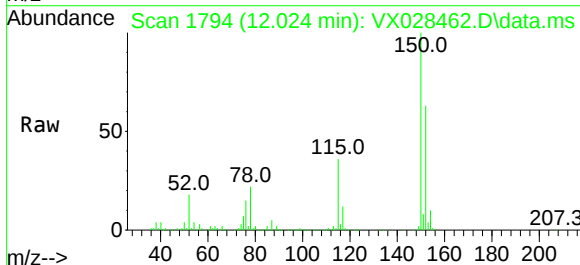
Instrument :
MSVOA_X
ClientSampleId :
MH-15D

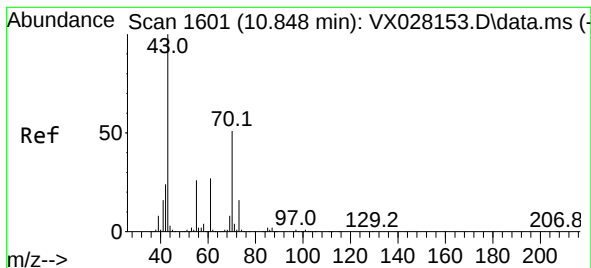
Tgt Ion:117 Resp: 684565
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028462.D
Acq: 30 Apr 2022 06:56

Tgt Ion:152 Resp: 314744
Ion Ratio Lower Upper
152 100
115 57.7 37.5 112.7
150 156.8 0.0 338.2





#74

N-amy1 acetate

Concen: 2.136 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.208 min

Lab File: VX028462.D

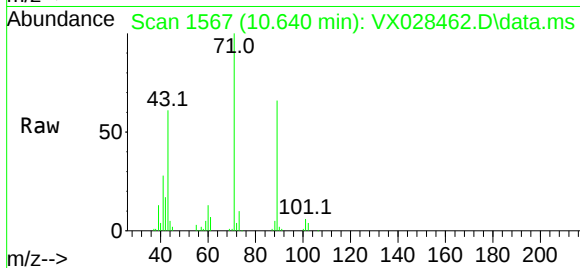
Acq: 30 Apr 2022 06:56

Instrument :

MSVOA_X

ClientSampleId :

MH-15D



Tgt Ion: 43 Resp: 15973

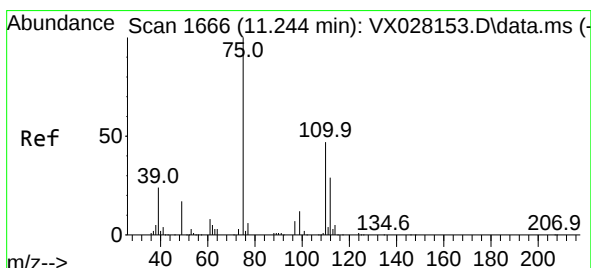
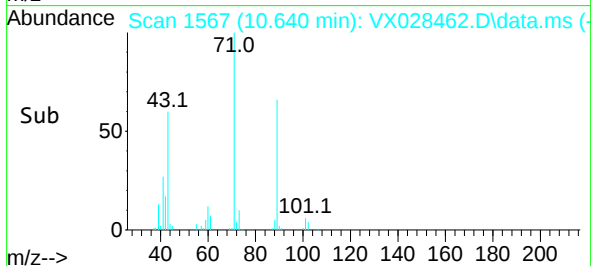
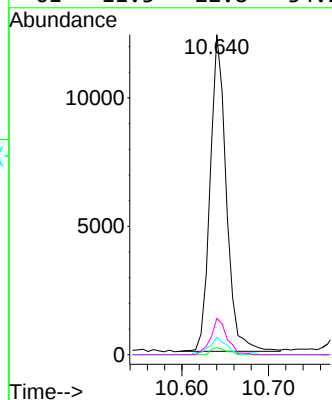
Ion Ratio Lower Upper

43 100

70 2.1 42.5 63.7#

55 5.7 23.1 34.7#

61 11.3 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 27.817 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028462.D

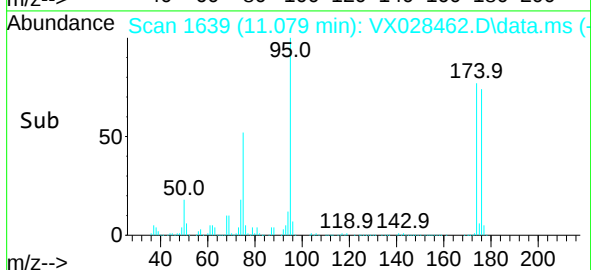
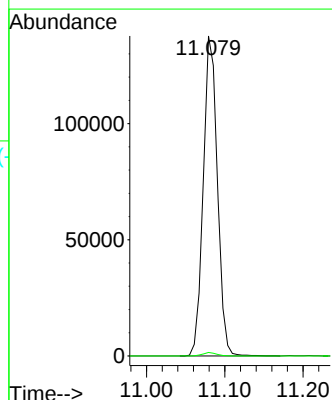
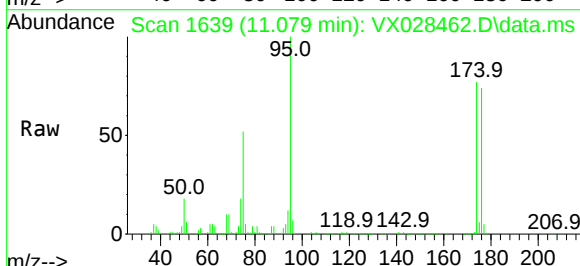
Acq: 30 Apr 2022 06:56

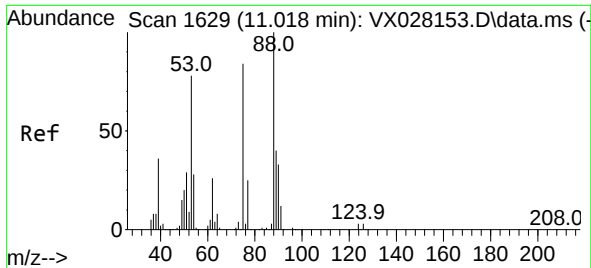
Tgt Ion: 75 Resp: 172311

Ion Ratio Lower Upper

75 100

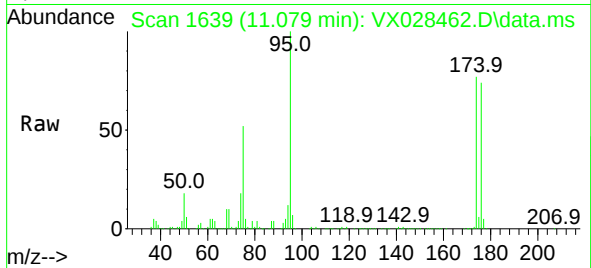
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.666 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028462.D
 Acq: 30 Apr 2022 06:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-15D



Tgt Ion: 75 Resp: 172311
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

