

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028664.D
 Acq On : 13 May 2022 01:25
 Operator : JC/MD
 Sample : N2775-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-35D

Quant Time: May 13 02:51:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

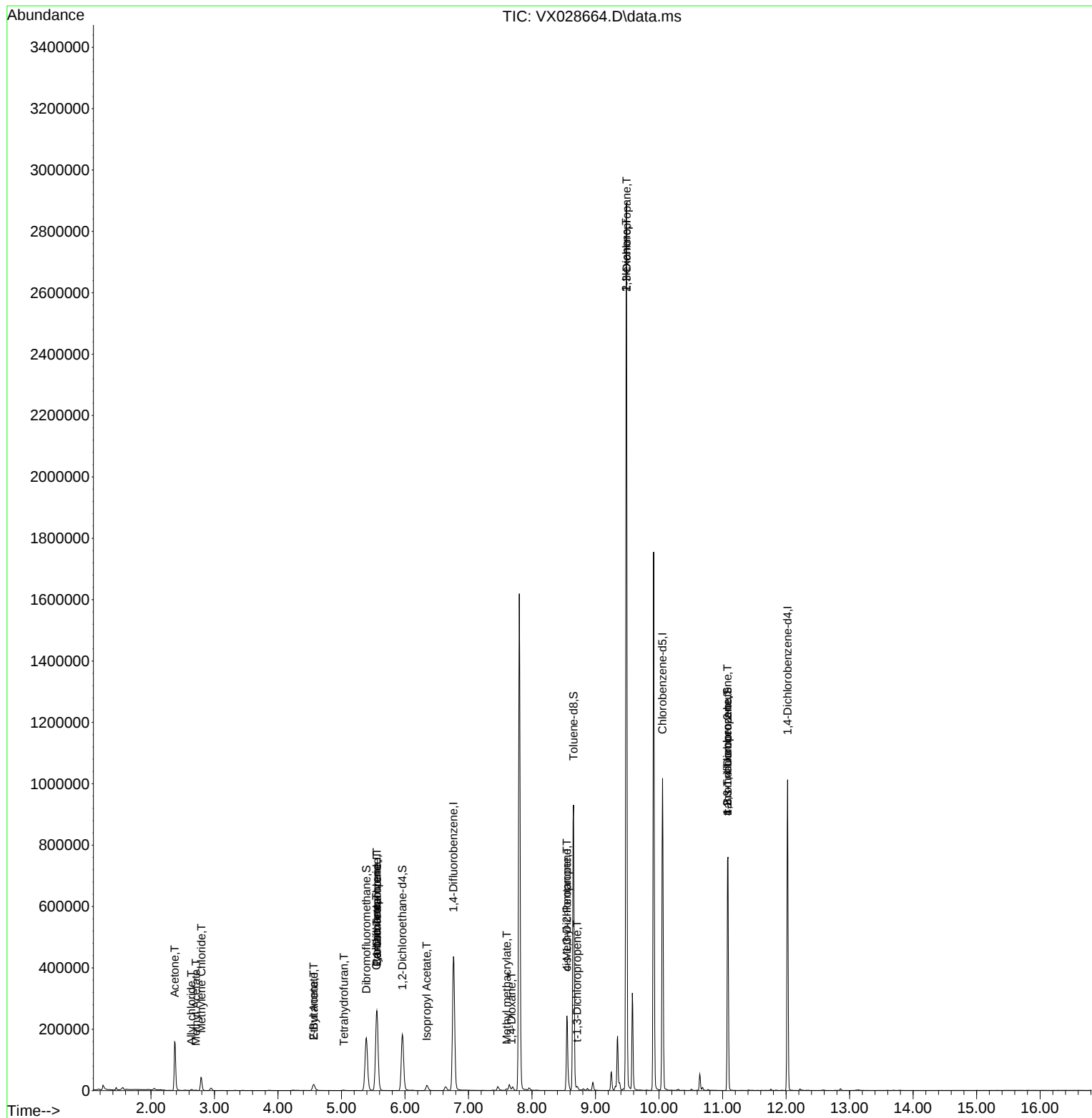
Internal Standards						
1) Pentafluorobenzene	5.556	168	237638	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	448848	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	175484	53.871	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.740%			
35) Dibromofluoromethane	5.391	113	146878	49.945	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.900%			
50) Toluene-d8	8.653	98	551081	49.704	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.400%			
62) 4-Bromofluorobenzene	11.079	95	203529	49.147	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.300%			
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	512	Below Cal		91
6) Chloroethane	1.672	64	235	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	5487	Below Cal	#	74
14) Allyl chloride	2.635	41	3374	0.855	ug/l #	42
16) Acetone	2.373	43	168155	120.280	ug/l	91
18) Methyl Acetate	2.709	43	1447	0.413	ug/l	90
20) Methylene Chloride	2.794	84	19145	6.527	ug/l	93
25) 2-Butanone	4.562	43	34047	15.515	ug/l	93
29) Tetrahydrofuran	5.037	42	1197	0.839	ug/l #	85
31) Cyclohexane	5.550	56	5828	1.289	ug/l #	29
36) 1,1-Dichloropropene	5.556	75	20417	4.622	ug/l #	49
37) Ethyl Acetate	4.562	43	34047	7.380	ug/l #	65
38) Carbon Tetrachloride	5.556	117	26649	5.995	ug/l #	15
43) Isopropyl Acetate	6.342	43	22905	3.174	ug/l	93
48) Methyl methacrylate	7.604	41	7463	2.140	ug/l #	7
49) 1,4-Dioxane	7.677	88	76	0.873	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	88159	18.544	ug/l #	41
53) t-1,3-Dichloropropene	8.708	75	43	1.649	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38856	7.864	ug/l #	73
57) 1,3-Dichloropropane	9.488	76	26316	4.686	ug/l #	43
59) 2-Hexanone	9.482	43	333284	90.232	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	108008	23.813	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	108008	69.412	ug/l #	15

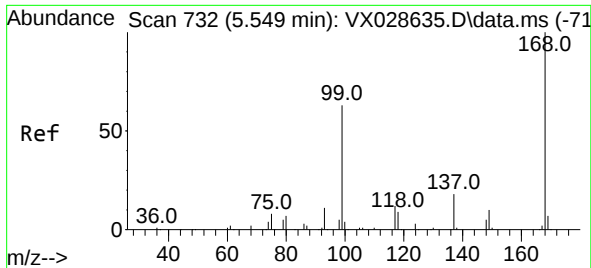
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 13 02:51:57 2022
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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

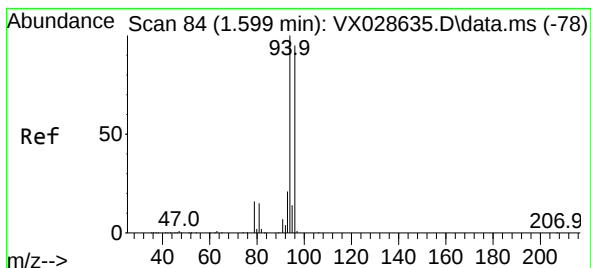
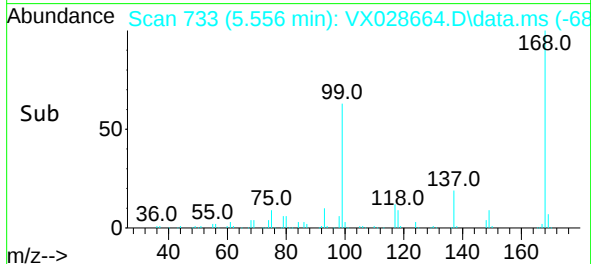
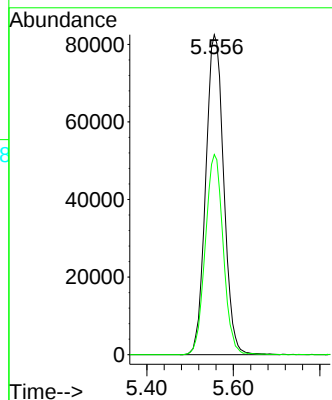
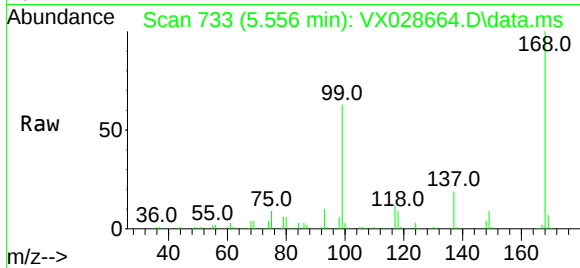




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

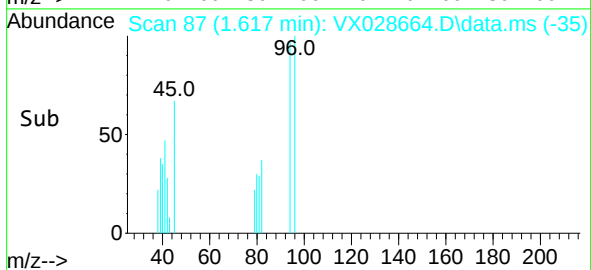
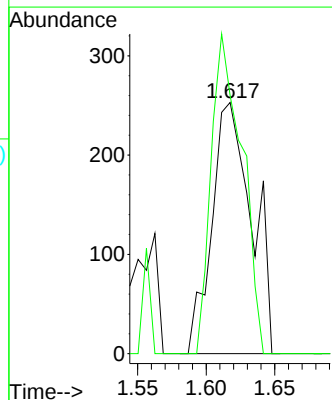
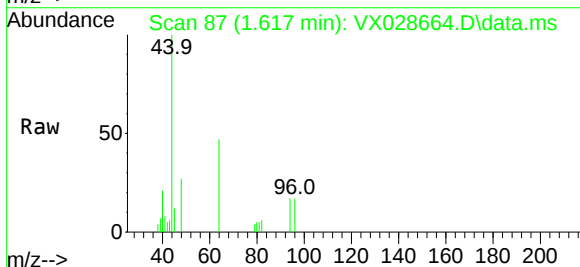
Instrument :
MSVOA_X
ClientSampleId :
MH-35D

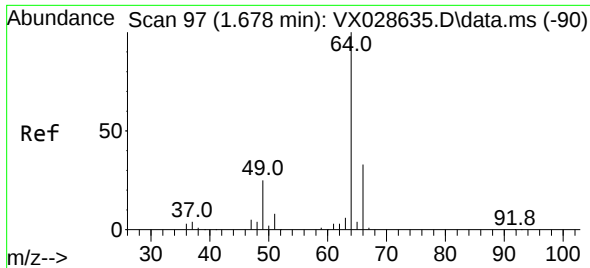
Tgt Ion:168 Resp: 237638
Ion Ratio Lower Upper
168 100
99 62.6 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 102.8 75.3 112.9

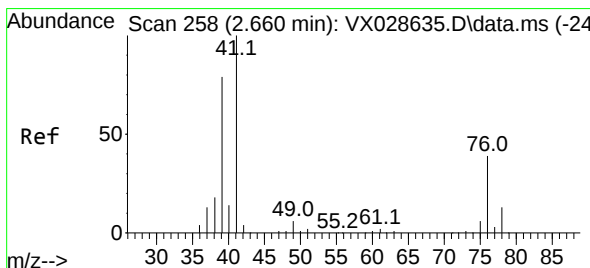
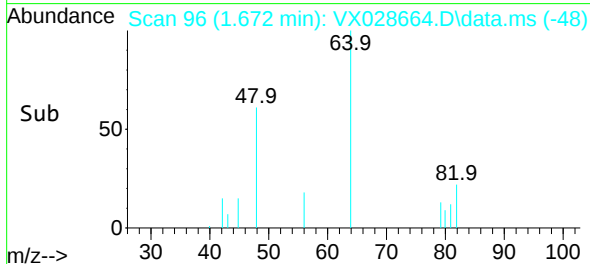
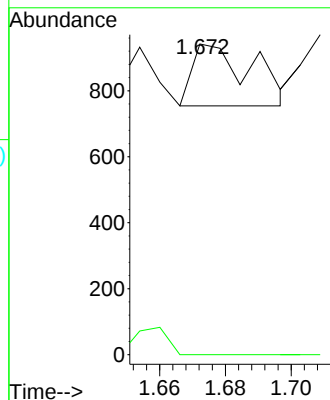
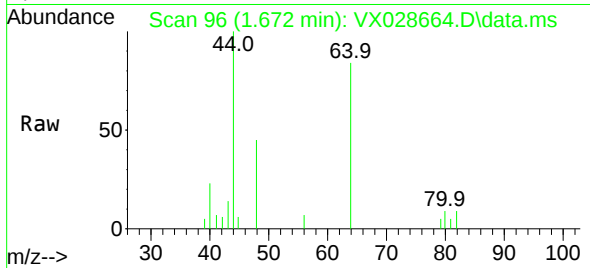




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

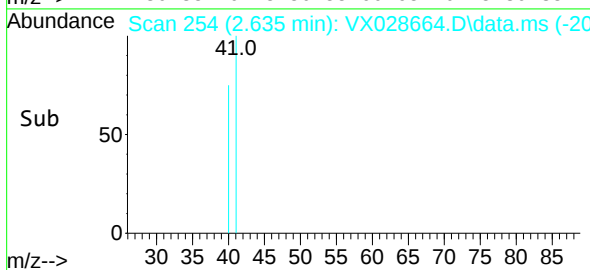
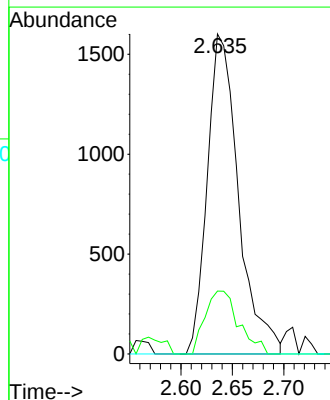
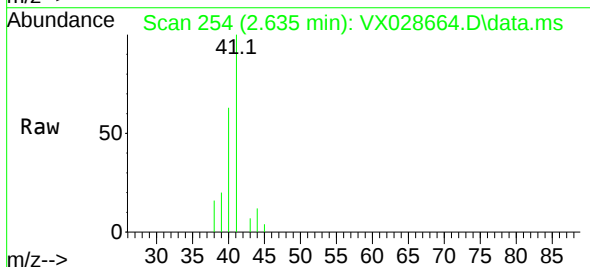
Instrument :
MSVOA_X
ClientSampleId :
MH-35D

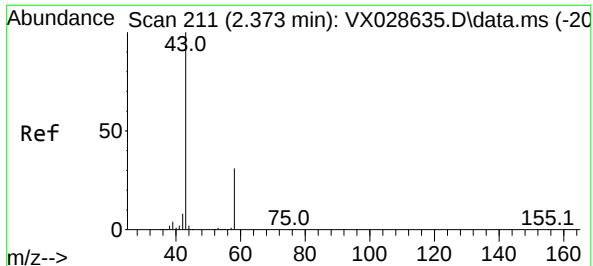
Tgt Ion: 64 Resp: 235
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#14
Allyl chloride
Concen: 0.855 ug/l
RT: 2.635 min Scan# 254
Delta R.T. -0.025 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Tgt Ion: 41 Resp: 3374
Ion Ratio Lower Upper
41 100
39 21.3 50.4 75.6#
76 0.0 32.7 49.1#

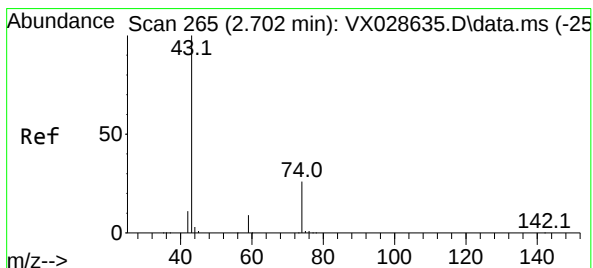
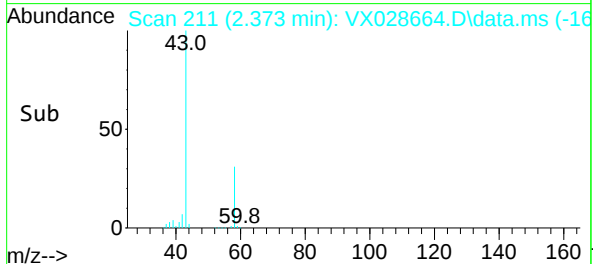
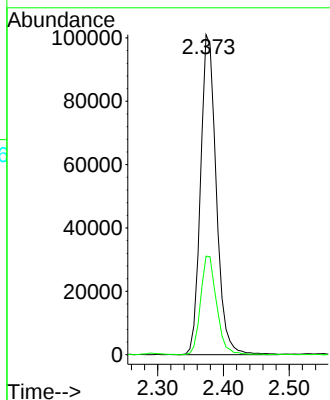
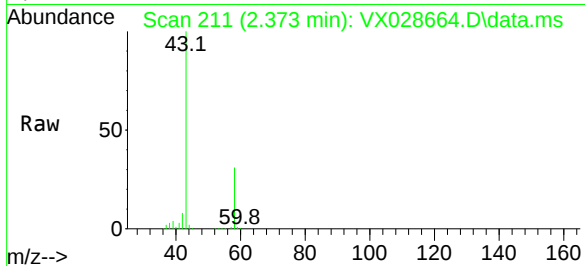




#16
Acetone
Concen: 120.280 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

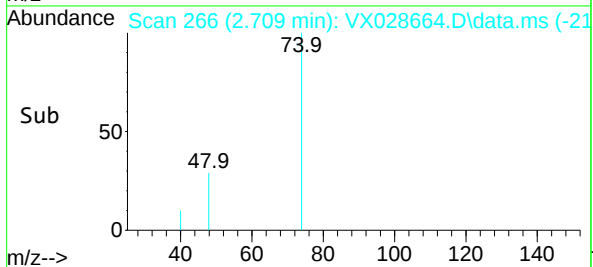
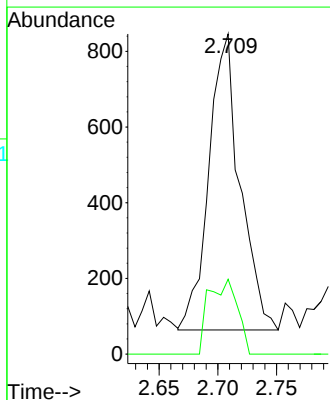
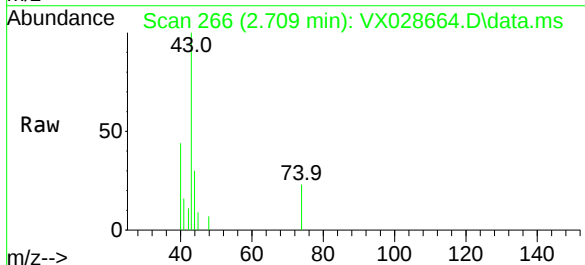
Instrument :
MSVOA_X
ClientSampleId :
MH-35D

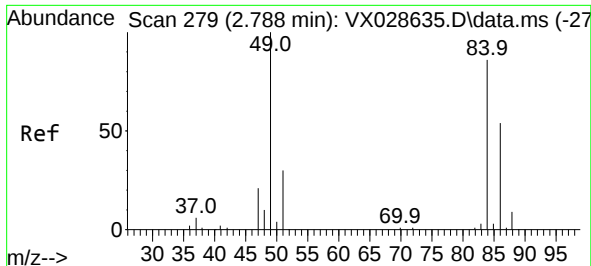
Tgt Ion: 43 Resp: 168155
Ion Ratio Lower Upper
43 100
58 30.8 28.8 43.2



#18
Methyl Acetate
Concen: 0.413 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.007 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
74 23.2 22.8 34.2





#20

Methylene Chloride

Concen: 6.527 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

Instrument :

MSVOA_X

ClientSampleId :

MH-35D

Tgt Ion: 84 Resp: 19145

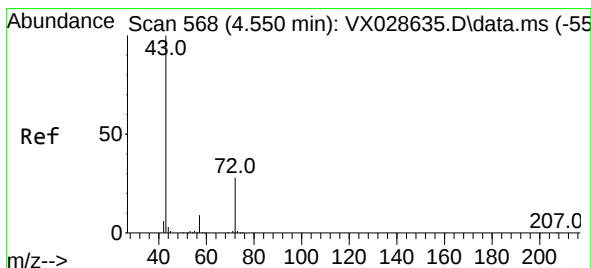
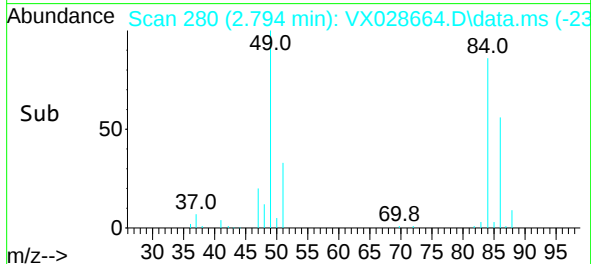
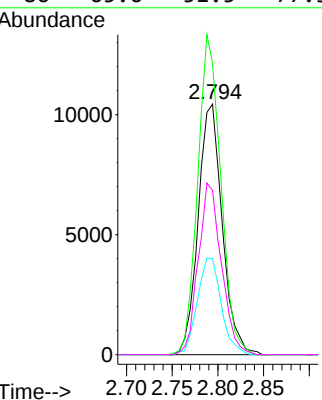
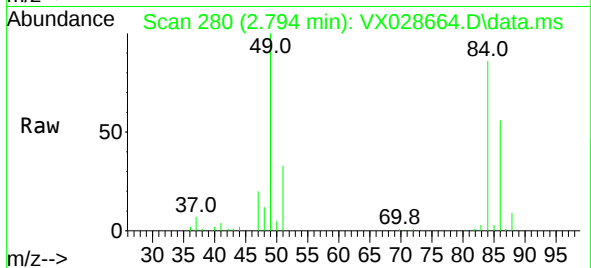
Ion Ratio Lower Upper

84 100

49 116.3 85.5 128.3

51 38.4 26.6 39.8

86 65.6 51.5 77.3



#25

2-Butanone

Concen: 15.515 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX028664.D

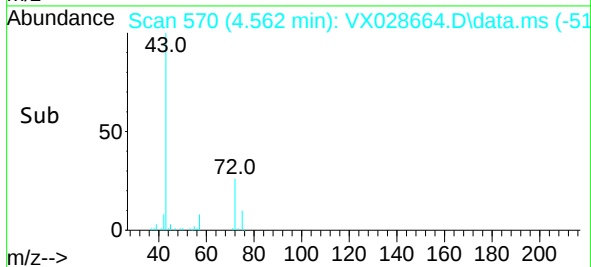
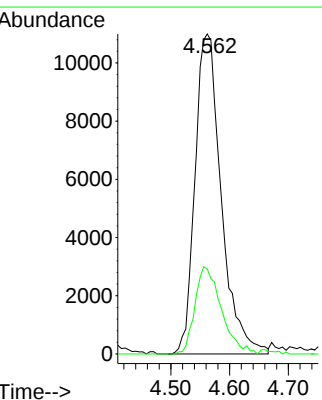
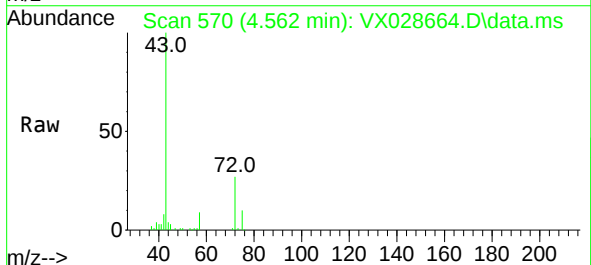
Acq: 13 May 2022 01:25

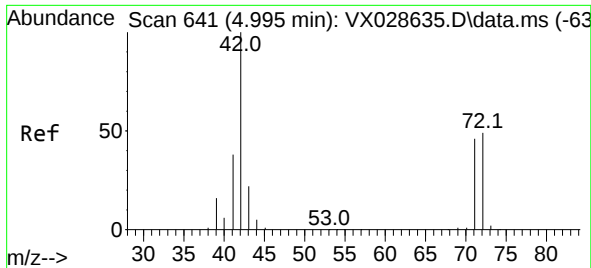
Tgt Ion: 43 Resp: 34047

Ion Ratio Lower Upper

43 100

72 26.6 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.839 ug/l

RT: 5.037 min Scan# 641

Delta R.T. 0.042 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

Instrument :

MSVOA_X

ClientSampleId :

MH-35D

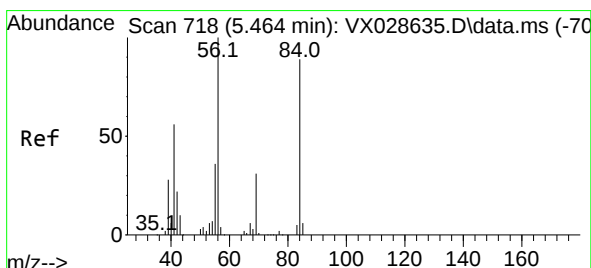
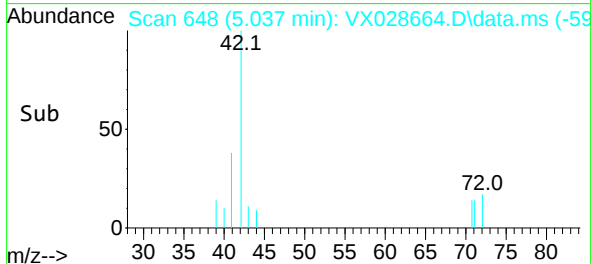
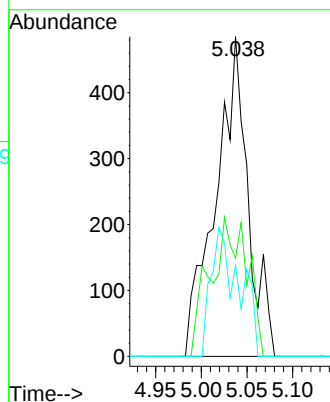
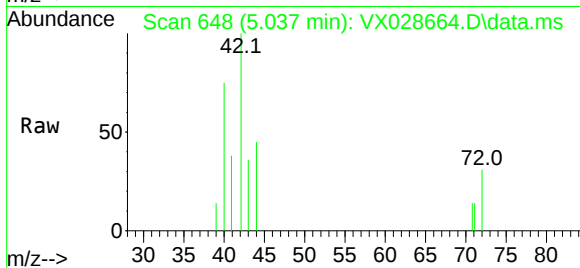
Tgt Ion: 42 Resp: 1197

Ion Ratio Lower Upper

42 100

72 49.3 44.1 66.1

71 35.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

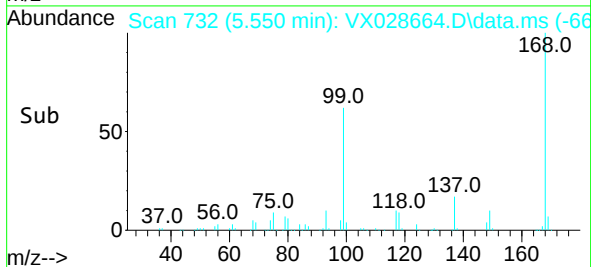
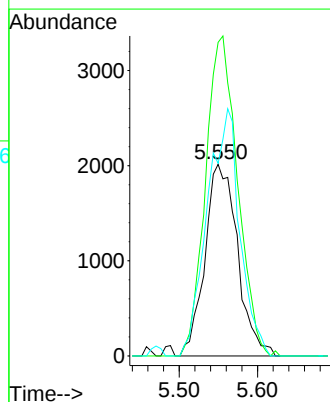
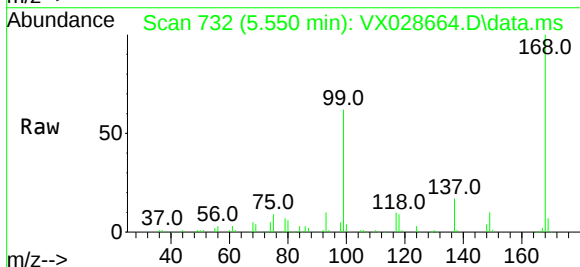
Tgt Ion: 56 Resp: 5828

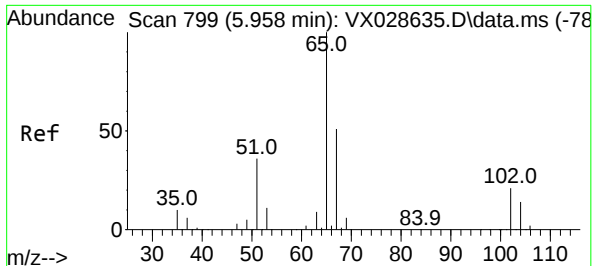
Ion Ratio Lower Upper

56 100

69 163.6 26.7 40.1#

84 112.1 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 53.871 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

Instrument :

MSVOA_X

ClientSampleId :

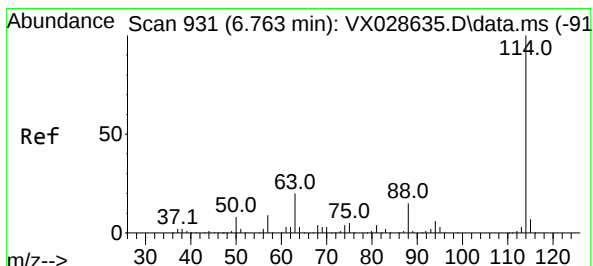
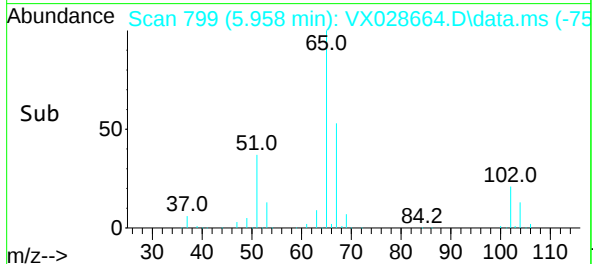
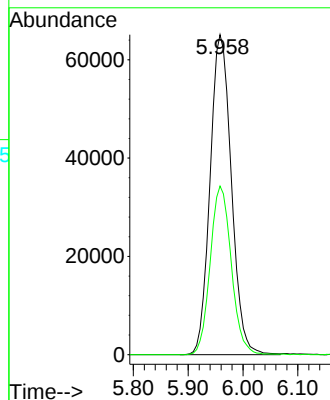
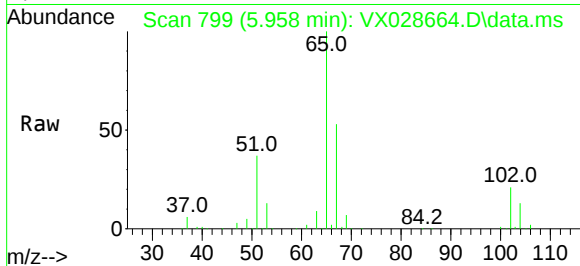
MH-35D

Tgt Ion: 65 Resp: 175484

Ion Ratio Lower Upper

65 100

67 52.2 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: VX028664.D

Acq: 13 May 2022 01:25

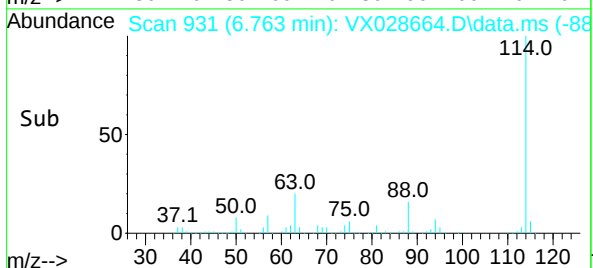
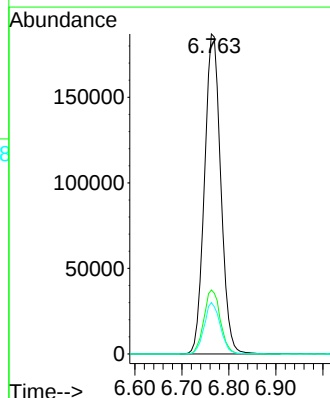
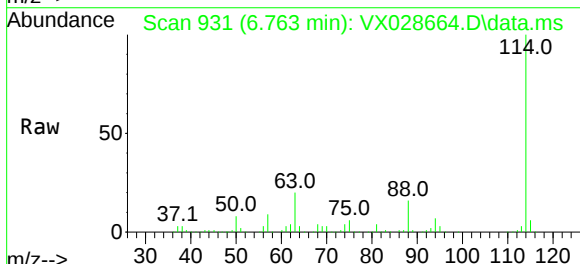
Tgt Ion: 114 Resp: 448848

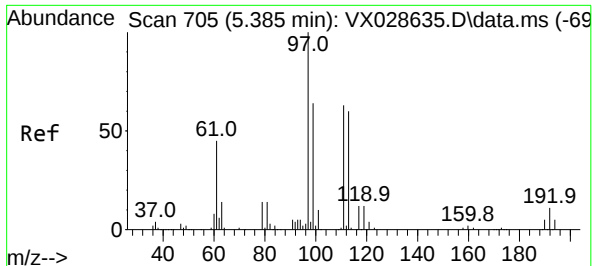
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.8

88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.945 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

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MSVOA_X

ClientSampleId :

MH-35D

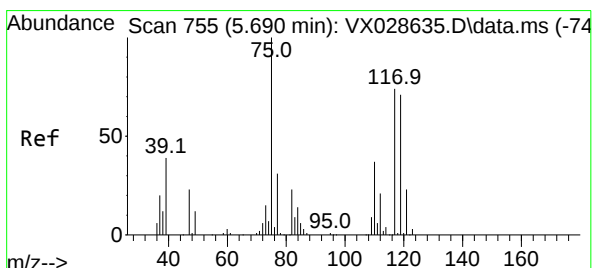
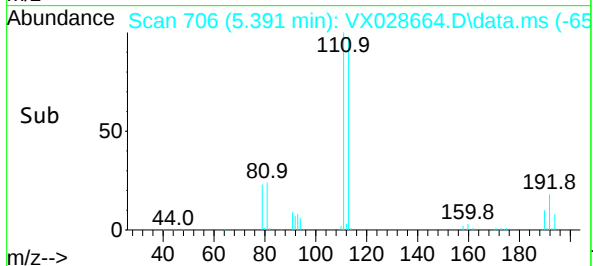
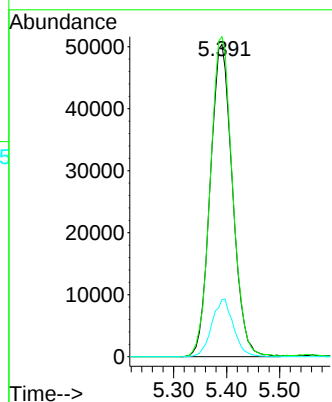
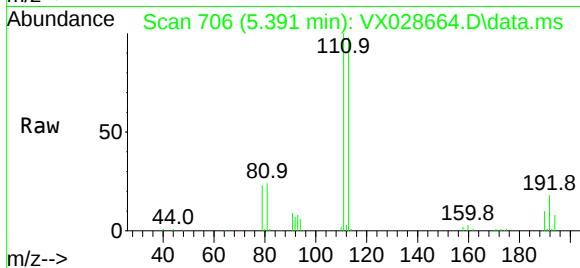
Tgt Ion:113 Resp: 146878

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 17.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.622 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

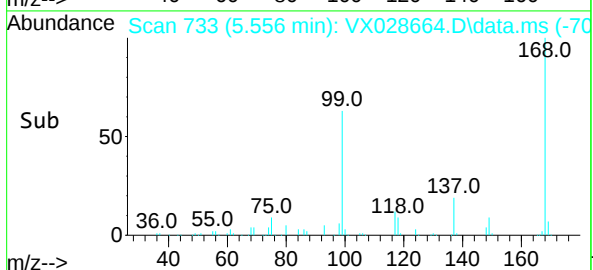
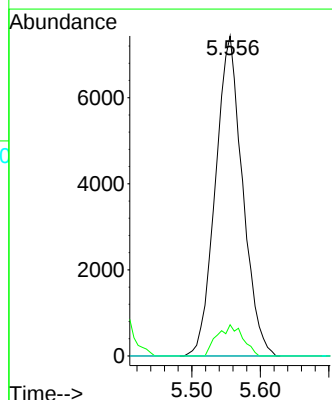
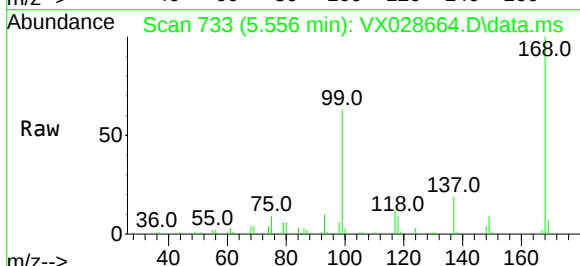
Tgt Ion: 75 Resp: 20417

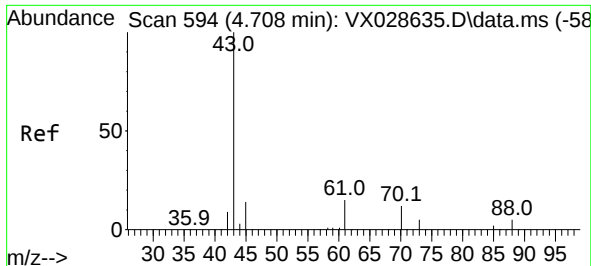
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 7.380 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

Instrument :

MSVOA_X

ClientSampleId :

MH-35D

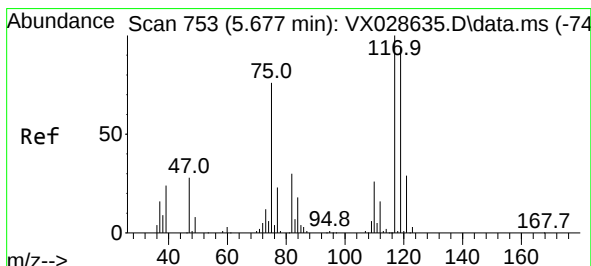
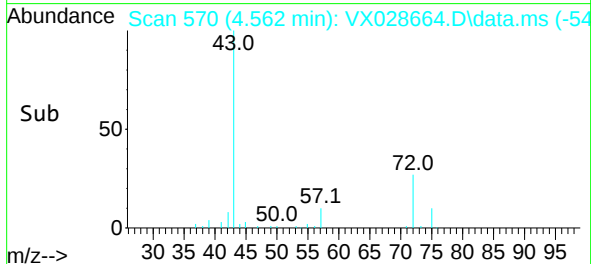
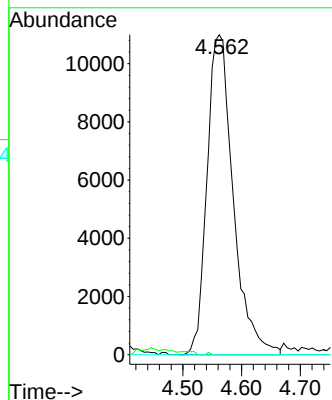
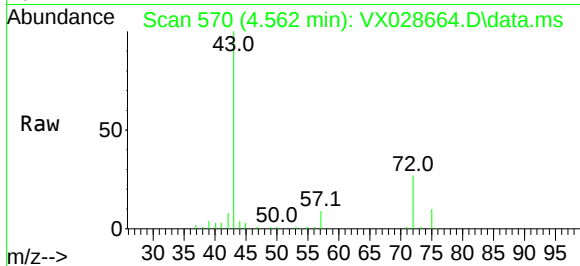
Tgt Ion: 43 Resp: 34047

Ion Ratio Lower Upper

43 100

61 0.1 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.995 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

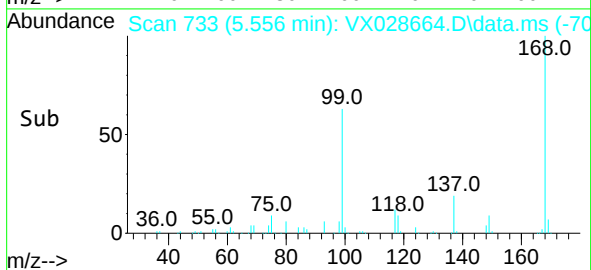
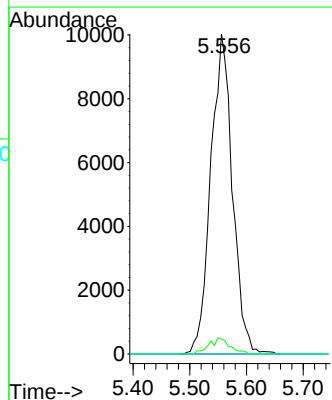
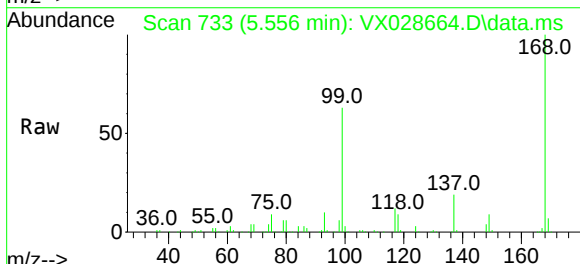
Tgt Ion: 117 Resp: 26649

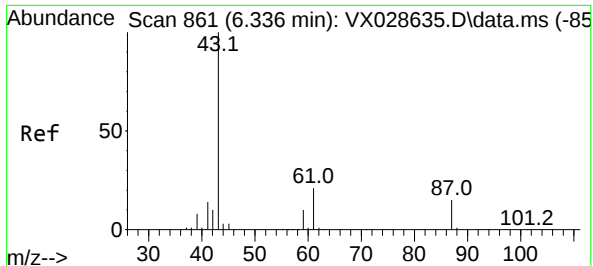
Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 24.2 36.2#

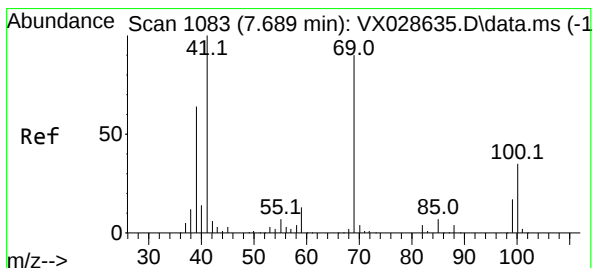
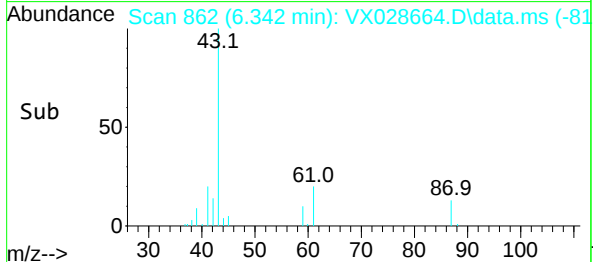
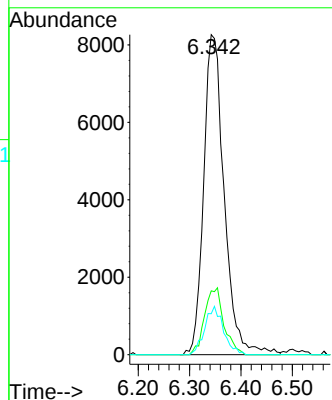
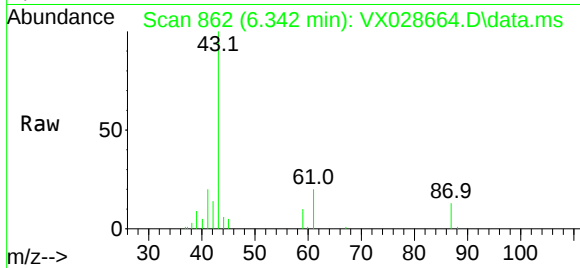




#43
Isopropyl Acetate
Concen: 3.174 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

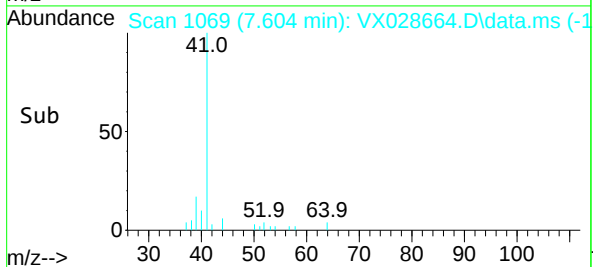
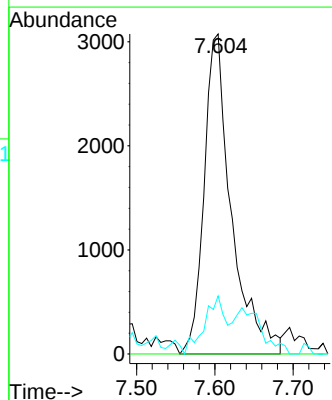
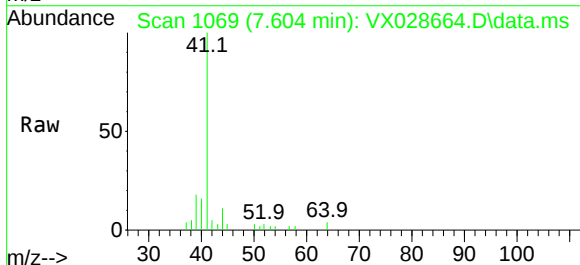
Instrument :
MSVOA_X
ClientSampleId :
MH-35D

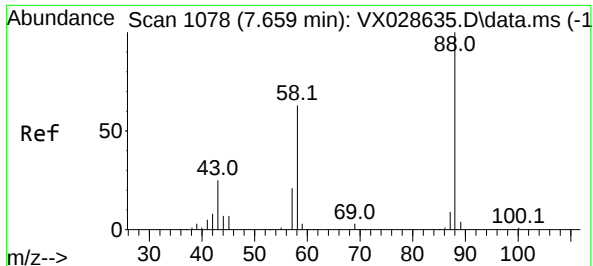
Tgt Ion: 43 Resp: 22905
Ion Ratio Lower Upper
43 100
61 19.6 18.5 27.7
87 13.9 13.0 19.6



#48
Methyl methacrylate
Concen: 2.140 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Tgt Ion: 41 Resp: 7463
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: 0.873 ug/l

RT: 7.677 min Scan# 1078

Delta R.T. 0.018 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

Instrument :

MSVOA_X

ClientSampleId :

MH-35D

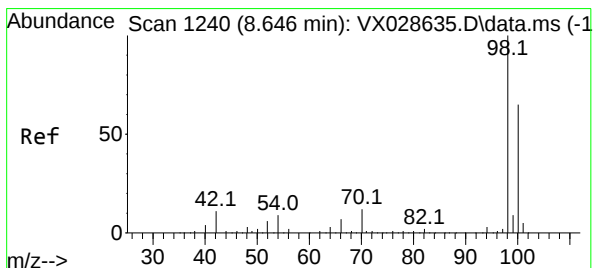
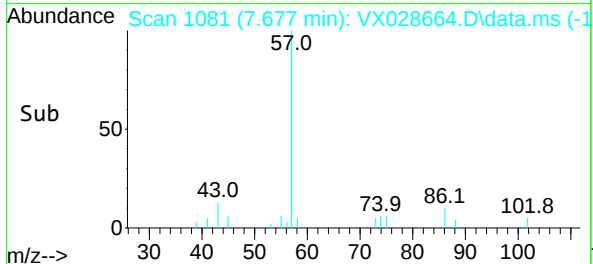
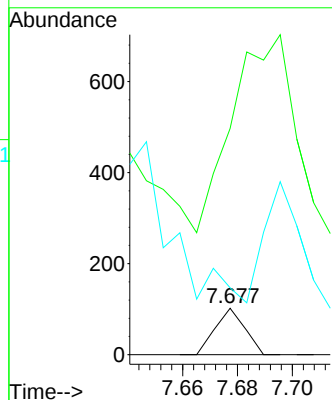
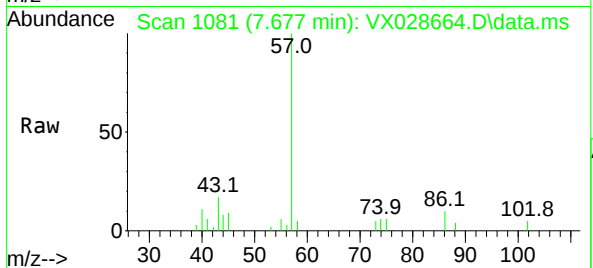
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 627.6 53.7 80.5#



#50

Toluene-d8

Concen: 49.704 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028664.D

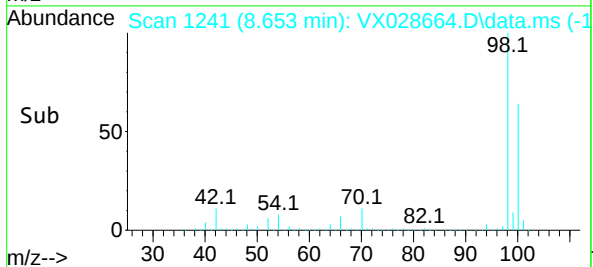
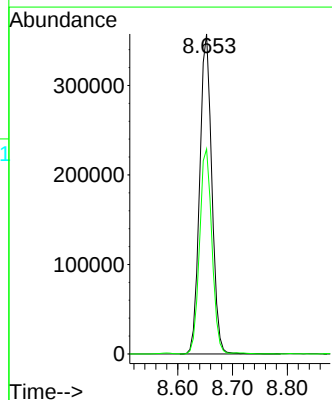
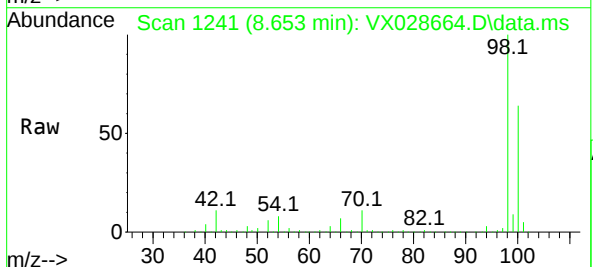
Acq: 13 May 2022 01:25

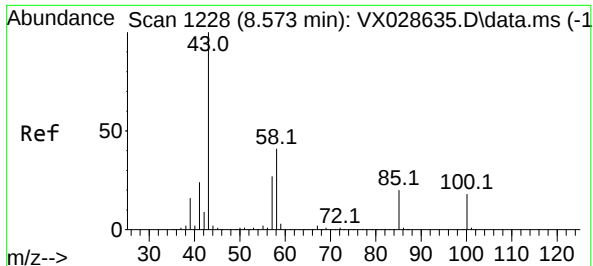
Tgt Ion: 98 Resp: 551081

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8

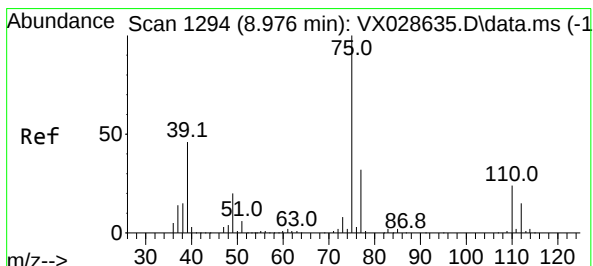
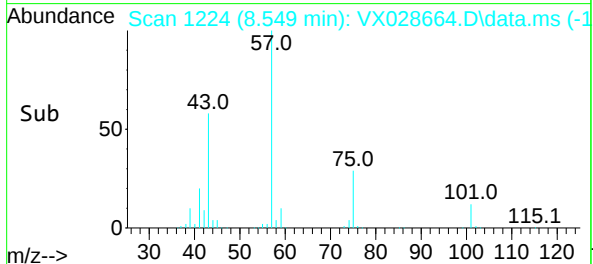
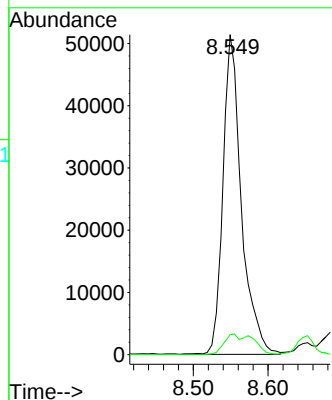
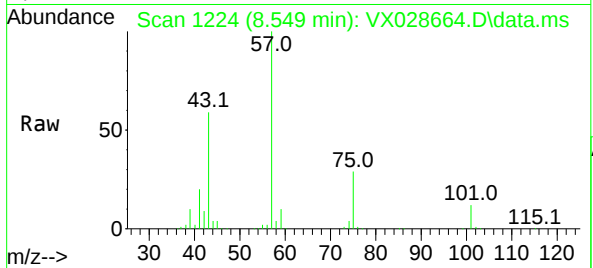




#51
4-Methyl-2-Pentanone
Concen: 18.544 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

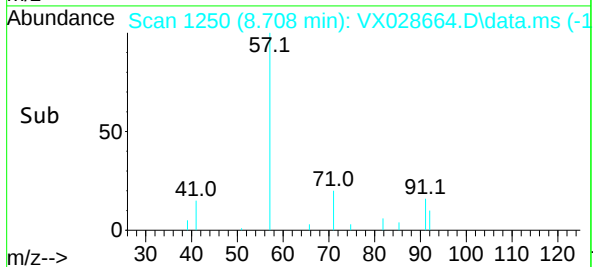
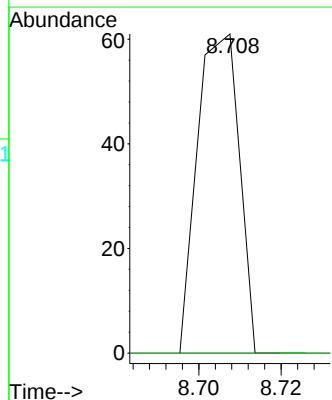
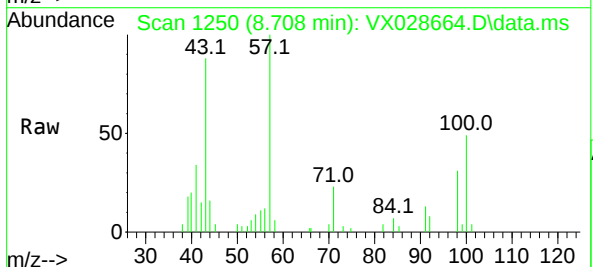
Instrument :
MSVOA_X
ClientSampleId :
MH-35D

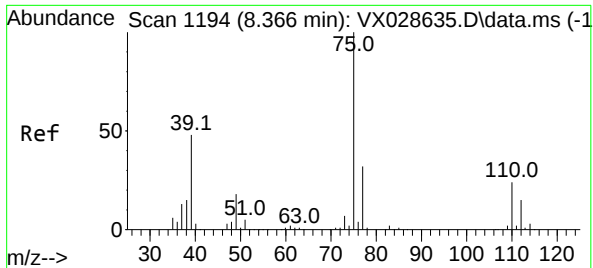
Tgt Ion: 43 Resp: 88159
Ion Ratio Lower Upper
43 100
58 6.5 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.649 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. -0.268 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

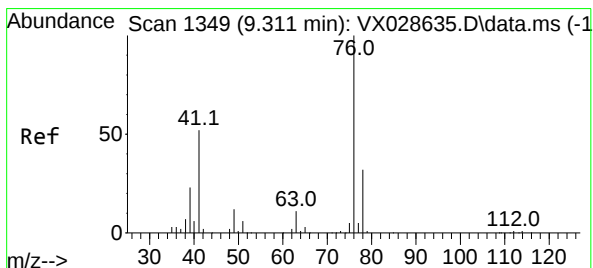
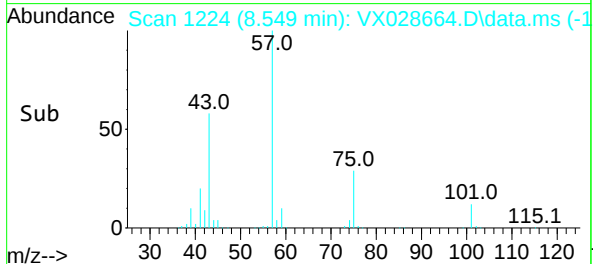
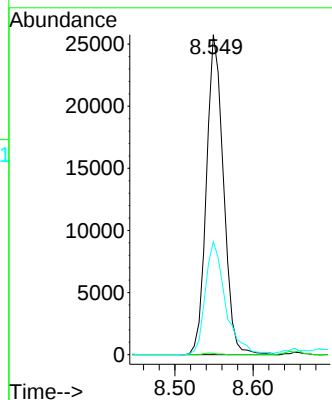
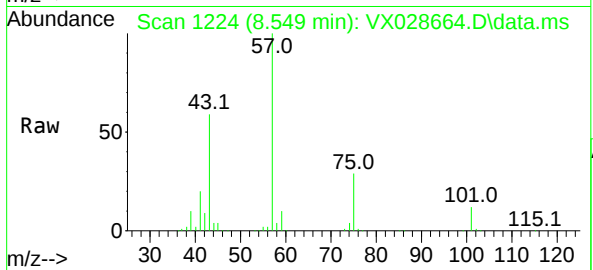




#54
 cis-1,3-Dichloropropene
 Concen: 7.864 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028664.D
 Acq: 13 May 2022 01:25

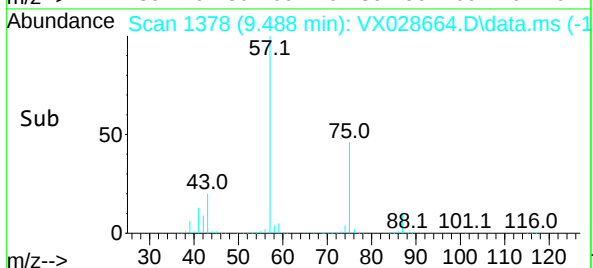
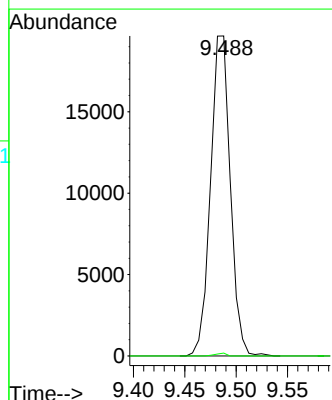
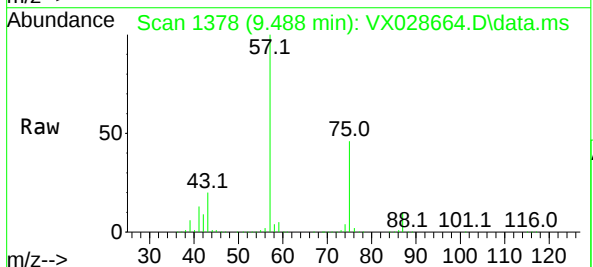
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-35D

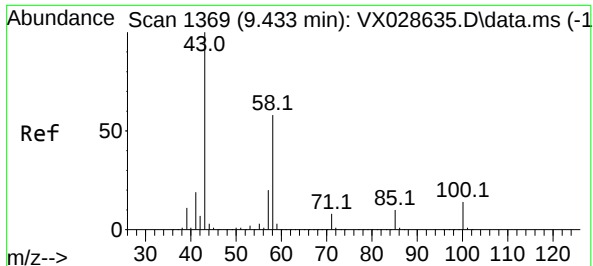
Tgt Ion: 75 Resp: 38856
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 35.3 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.686 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX028664.D
 Acq: 13 May 2022 01:25

Tgt Ion: 76 Resp: 26316
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 90.232 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

Instrument :

MSVOA_X

ClientSampleId :

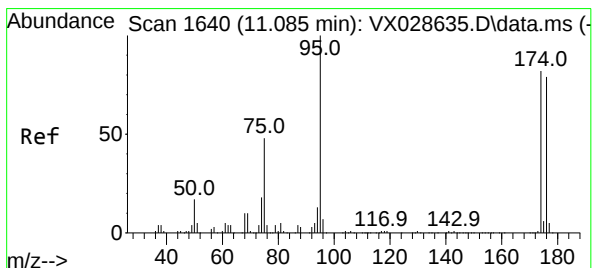
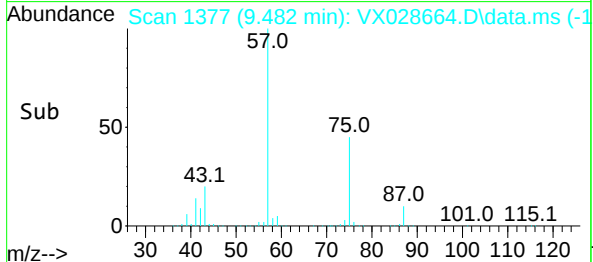
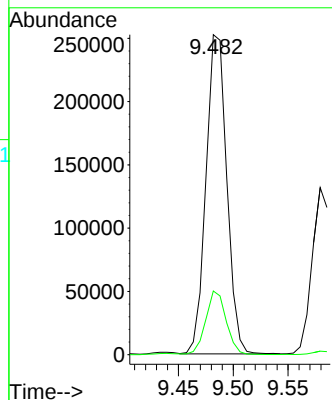
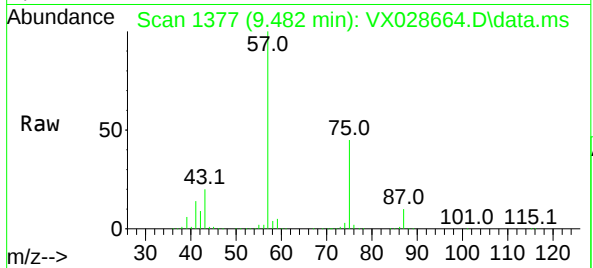
MH-35D

Tgt Ion: 43 Resp: 333284

Ion Ratio Lower Upper

43 100

58 19.7 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.147 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028664.D

Acq: 13 May 2022 01:25

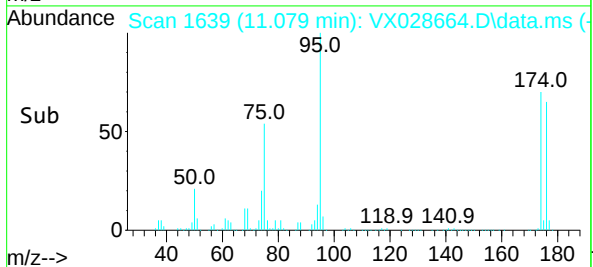
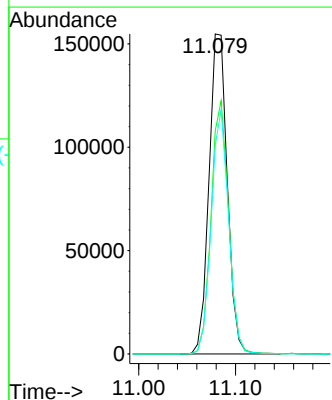
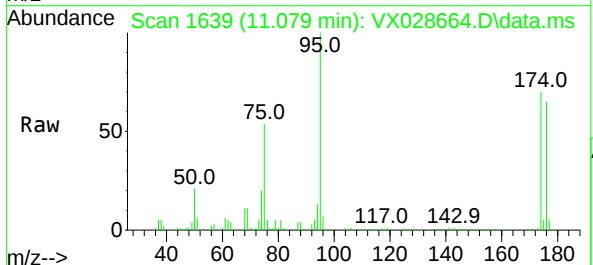
Tgt Ion: 95 Resp: 203529

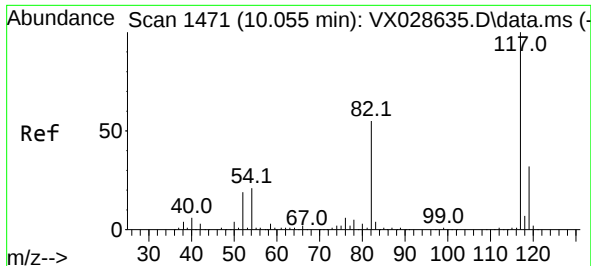
Ion Ratio Lower Upper

95 100

174 76.1 0.0 163.0

176 72.5 0.0 155.0

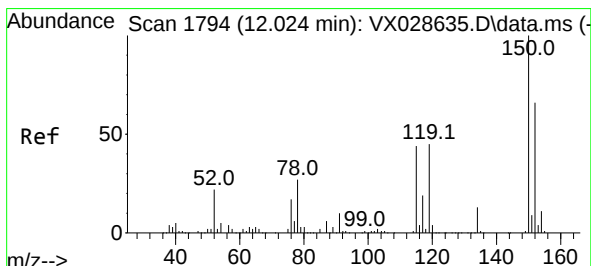
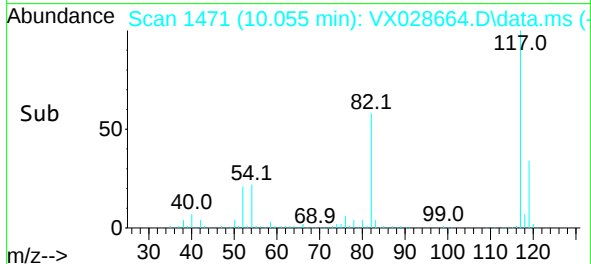
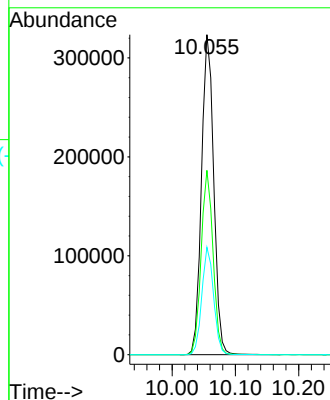
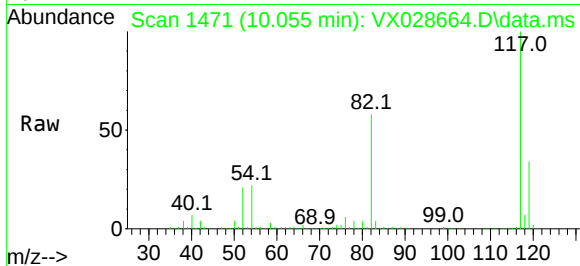




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

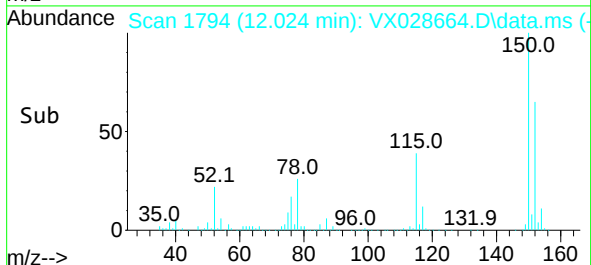
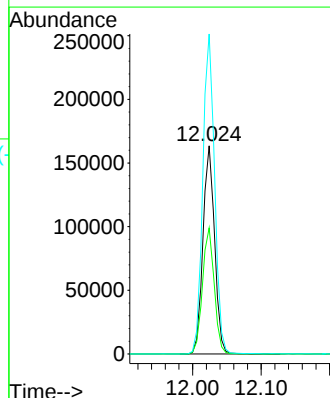
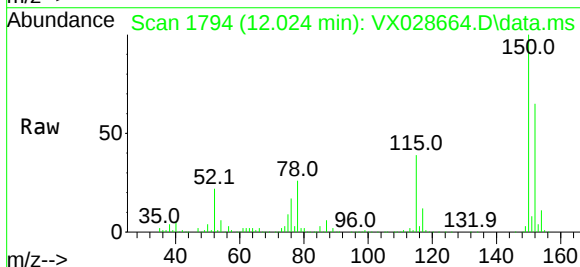
Instrument :
MSVOA_X
ClientSampleId :
MH-35D

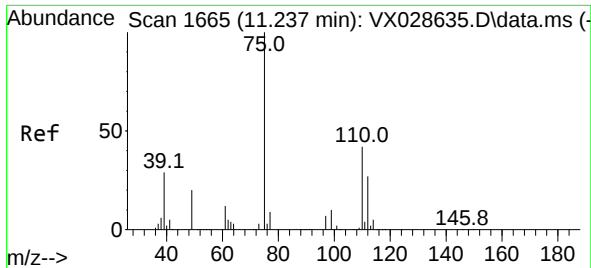
Tgt Ion:117 Resp: 435805
Ion Ratio Lower Upper
117 100
82 57.6 41.8 62.8
119 33.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Tgt Ion:152 Resp: 193673
Ion Ratio Lower Upper
152 100
115 61.2 37.5 112.7
150 155.9 0.0 338.2

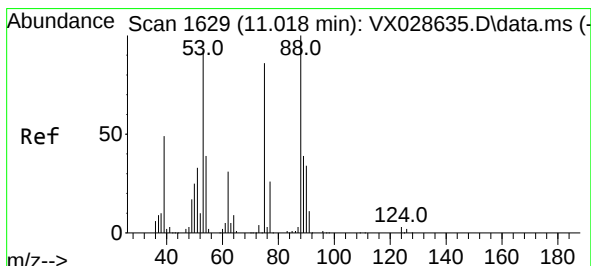
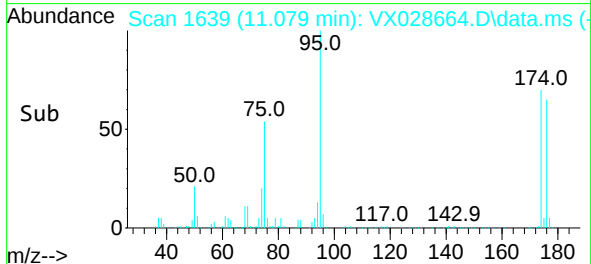
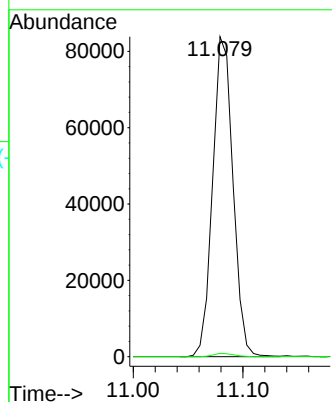
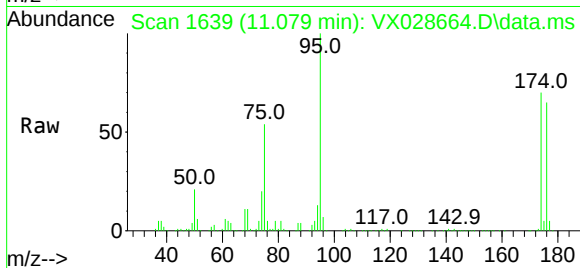




#76
1,2,3-Trichloropropane
Concen: 23.813 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Instrument :
MSVOA_X
ClientSampleId :
MH-35D

Tgt Ion: 75 Resp: 108008
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.412 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028664.D
Acq: 13 May 2022 01:25

Tgt Ion: 75 Resp: 108008
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

