

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028600.D
 Acq On : 10 May 2022 17:32
 Operator : JC/MD
 Sample : N2745-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-31D

Quant Time: May 11 07:02:38 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)

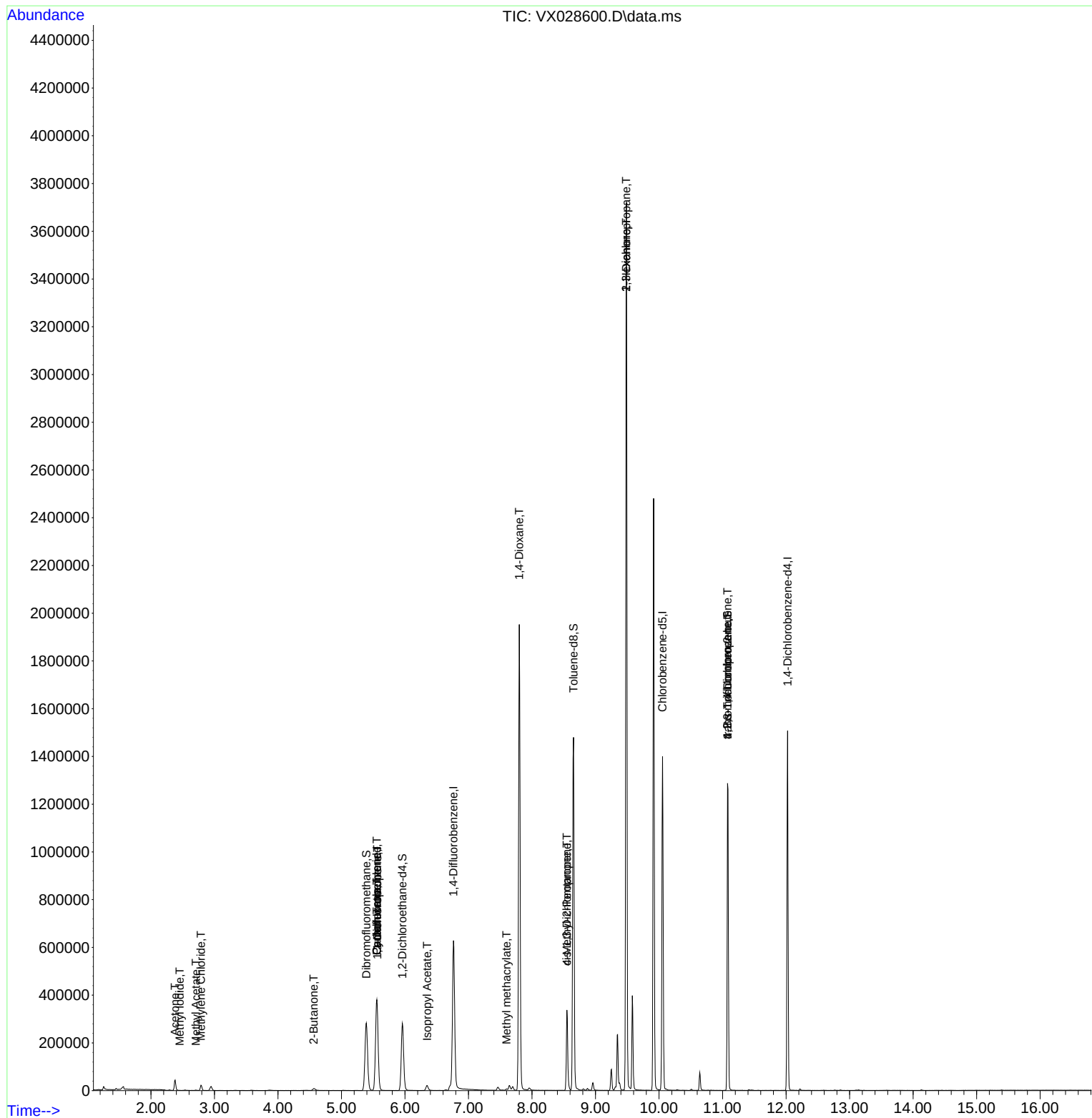
Internal Standards						
1) Pentafluorobenzene	5.556	168	383437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	662006	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	656867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	315934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	265982	53.201	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.400%	
35) Dibromofluoromethane	5.391	113	245923	52.971	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.940%	
50) Toluene-d8	8.653	98	913213	51.214	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	11.079	95	340737	49.977	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	350	Below Cal	#	87
5) Bromomethane	1.611	94	732	Below Cal		96
6) Chloroethane	1.685	64	112	Below Cal		96
8) Diethyl Ether	2.148	74	20	Below Cal	#	7
10) Methyl Iodide	2.453	142	193	5.275	ug/l #	78
11) Tert butyl alcohol	2.947	59	9053	Below Cal	#	74
16) Acetone	2.380	43	45511	28.567	ug/l	93
18) Methyl Acetate	2.709	43	2327	0.523	ug/l	92
20) Methylene Chloride	2.788	84	10510	2.833	ug/l	97
25) 2-Butanone	4.562	43	9866	3.332	ug/l	95
31) Cyclohexane	5.556	56	7070	1.161	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	27524	4.545	ug/l #	49
38) Carbon Tetrachloride	5.556	117	36956	5.406	ug/l #	15
43) Isopropyl Acetate	6.348	43	28491	2.849	ug/l	98
48) Methyl methacrylate	7.598	41	7901	1.721	ug/l #	7
49) 1,4-Dioxane	7.799	88	412	3.354	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	109692	17.093	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	57313	7.677	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	35492	4.395	ug/l #	43
59) 2-Hexanone	9.482	43	406970	81.867	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	169886	27.323	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169886	81.195	ug/l #	15

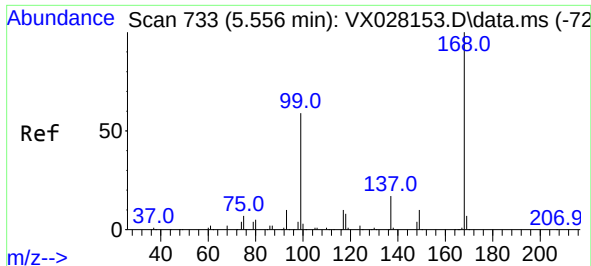
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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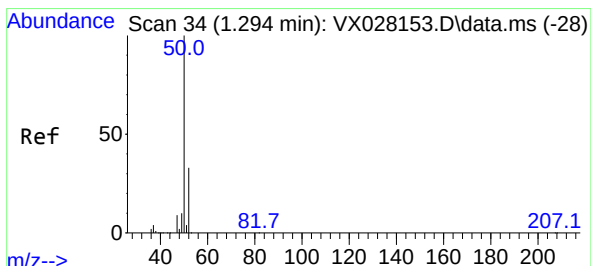
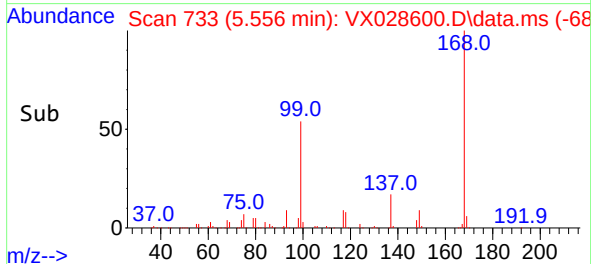
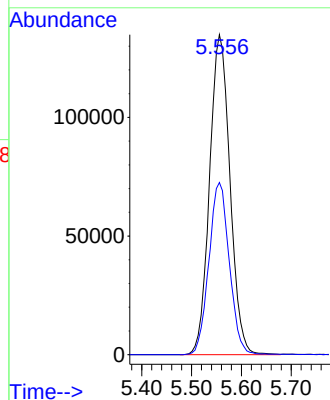
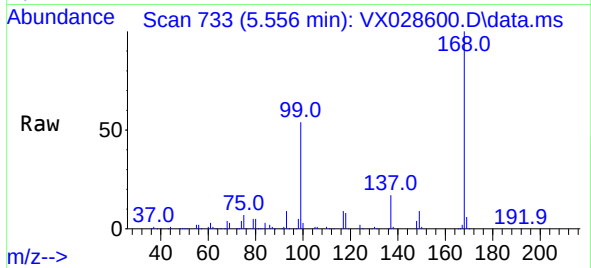




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

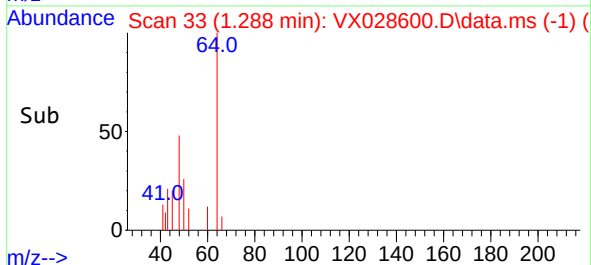
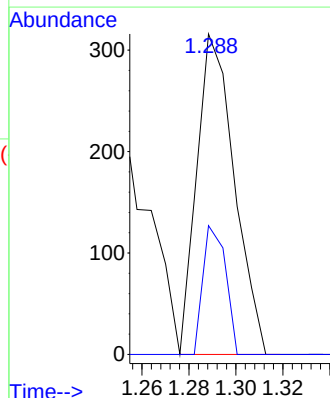
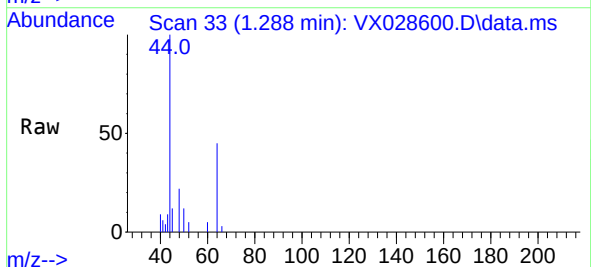
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

Tgt Ion:168 Resp: 383437
Ion Ratio Lower Upper
168 100
99 53.8 41.7 62.5

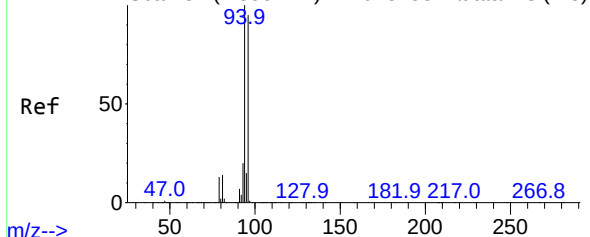


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 40.2 26.4 39.6#



Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)

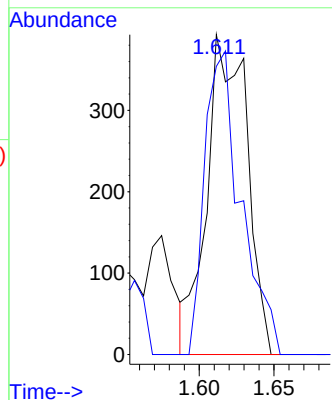
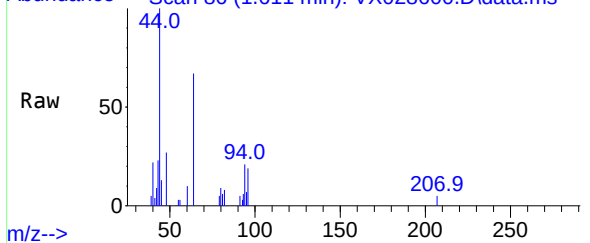


#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

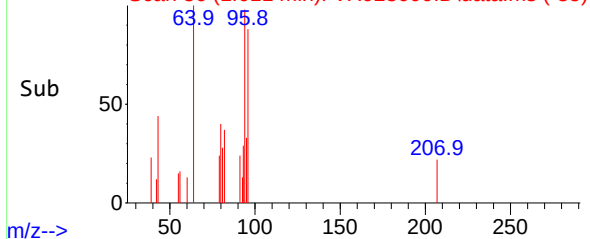
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

Tgt Ion: 94 Resp: 732
Ion Ratio Lower Upper
94 100
96 90.1 75.3 112.9

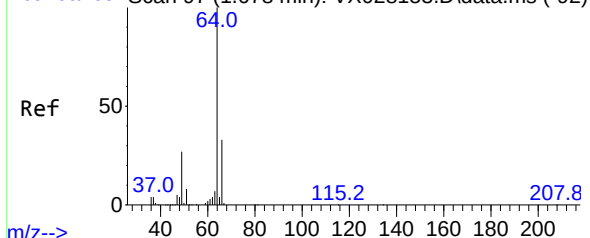
Abundance Scan 86 (1.611 min): VX028600.D\data.ms



Abundance Scan 86 (1.611 min): VX028600.D\data.ms (-35)



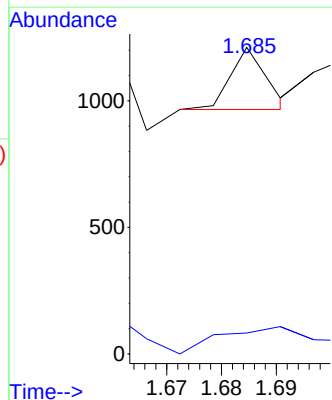
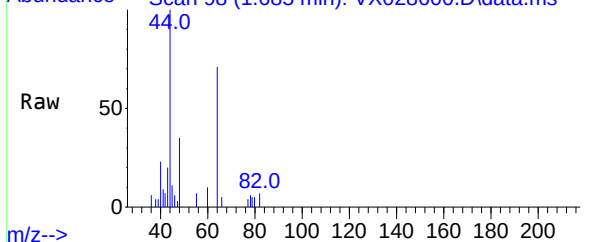
Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



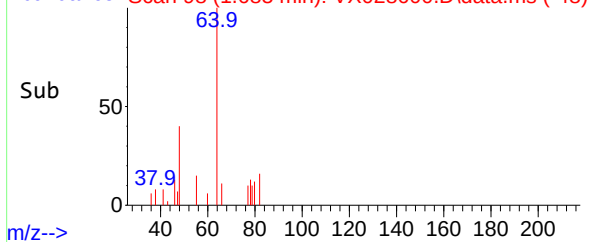
#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

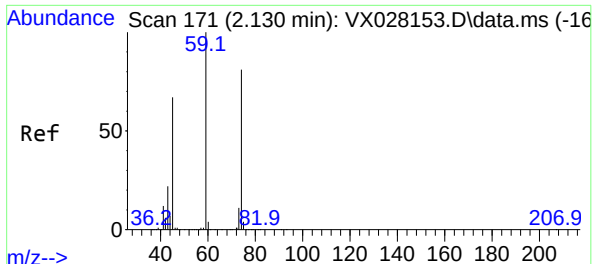
Tgt Ion: 64 Resp: 112
Ion Ratio Lower Upper
64 100
66 33.9 25.3 37.9

Abundance Scan 98 (1.685 min): VX028600.D\data.ms



Abundance Scan 98 (1.685 min): VX028600.D\data.ms (-48)

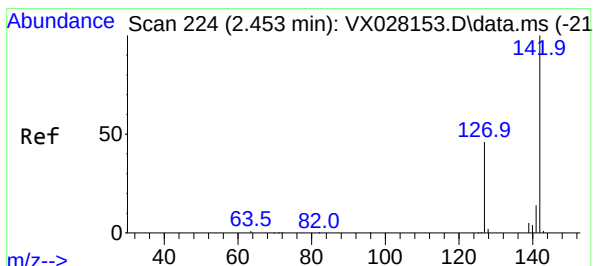
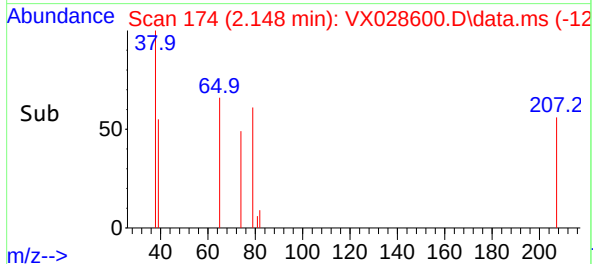
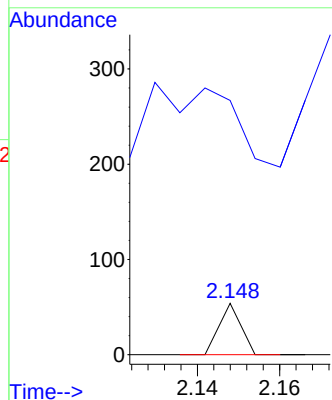
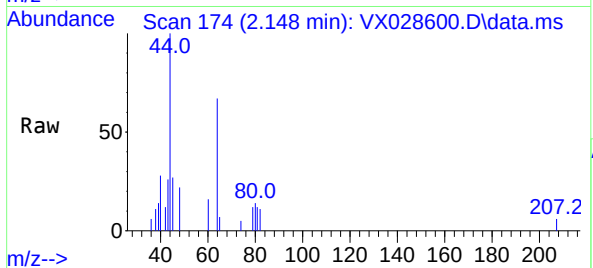




#8
Diethyl Ether
Concen: Below Cal
RT: 2.148 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

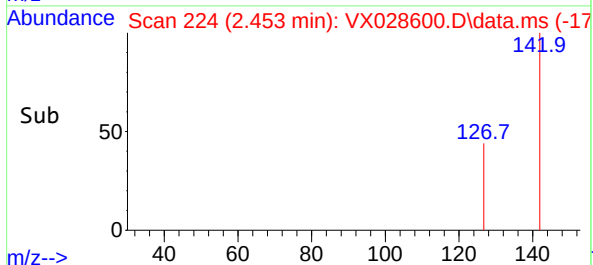
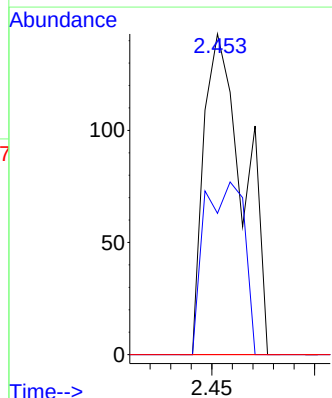
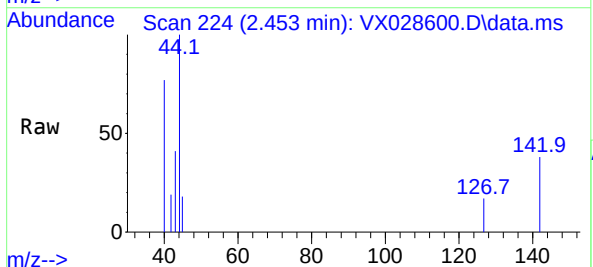
Instrument :
MSVOA_X
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MH-31D

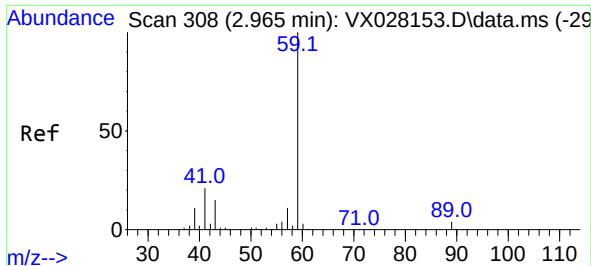
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.275 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 142 Resp: 193
Ion Ratio Lower Upper
142 100
127 53.4 33.9 50.9#
141 0.0 11.4 17.2#

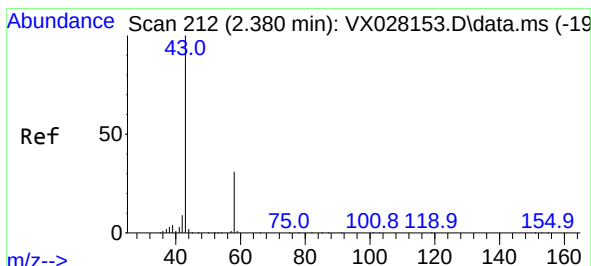
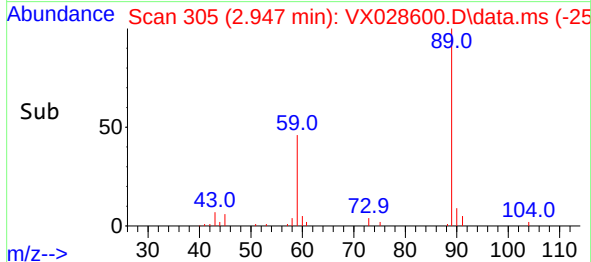
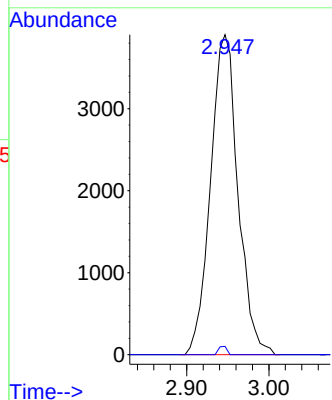
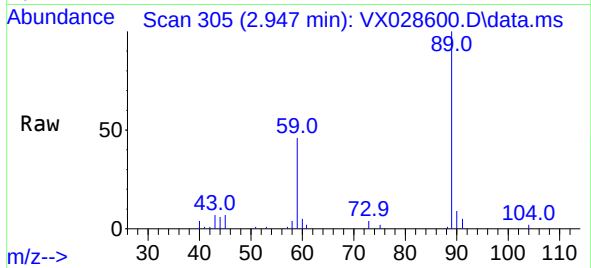




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

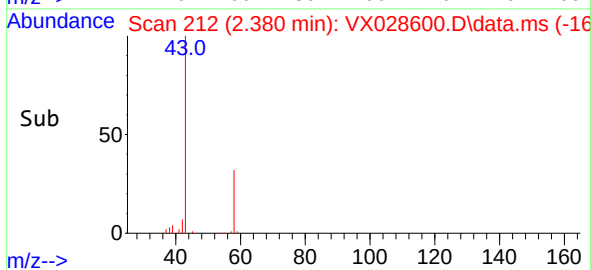
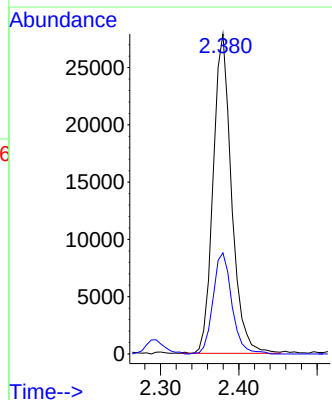
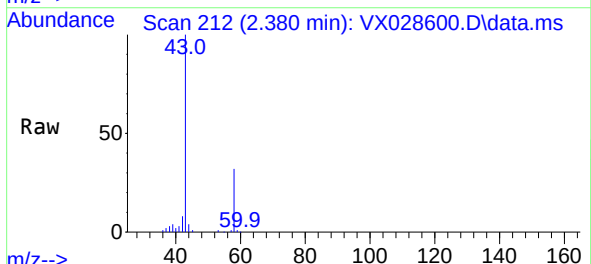
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

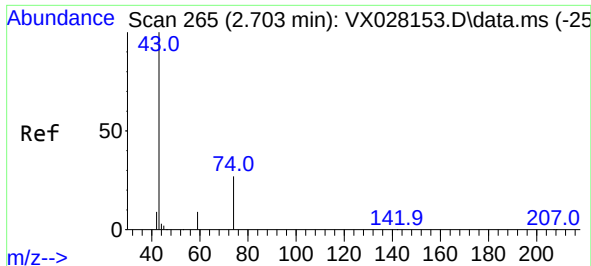
Tgt Ion: 59 Resp: 9053
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#



#16
Acetone
Concen: 28.567 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 43 Resp: 45511
Ion Ratio Lower Upper
43 100
58 31.7 28.8 43.2

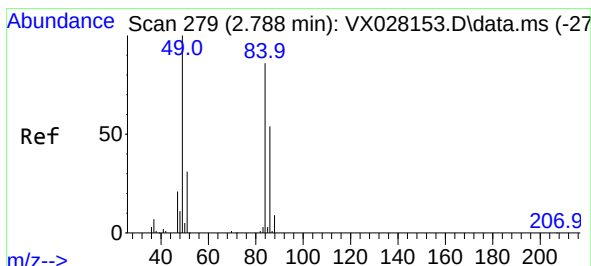
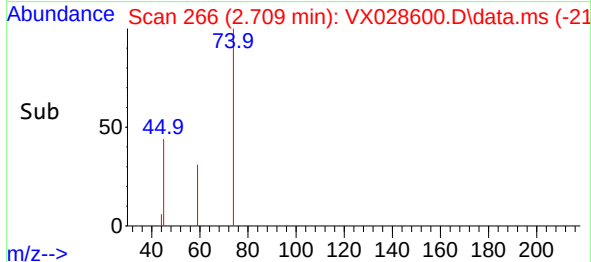
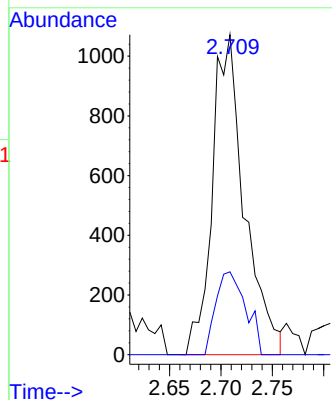
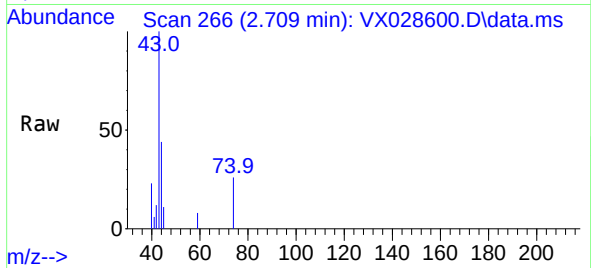




#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

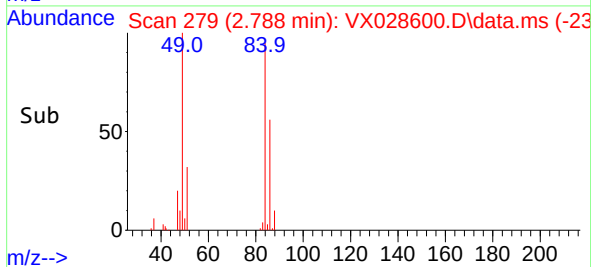
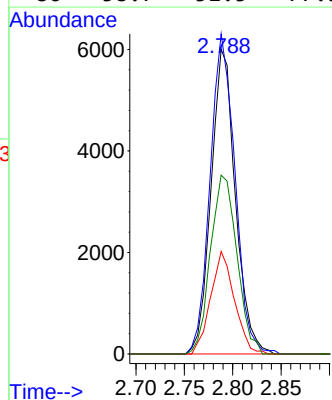
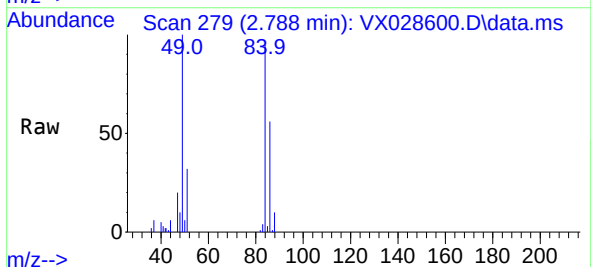
Instrument :
MSVOA_X
ClientSampleId :
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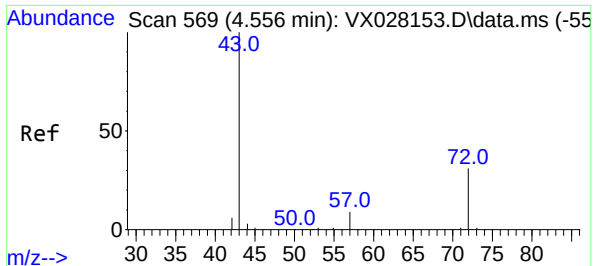
Tgt Ion: 43 Resp: 2327
Ion Ratio Lower Upper
43 100
74 24.1 22.8 34.2



#20
Methylene Chloride
Concen: 2.833 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 84 Resp: 10510
Ion Ratio Lower Upper
84 100
49 105.0 85.5 128.3
51 33.6 26.6 39.8
86 58.7 51.5 77.3





#25

2-Butanone

Concen: 3.332 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028600.D

Acq: 10 May 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

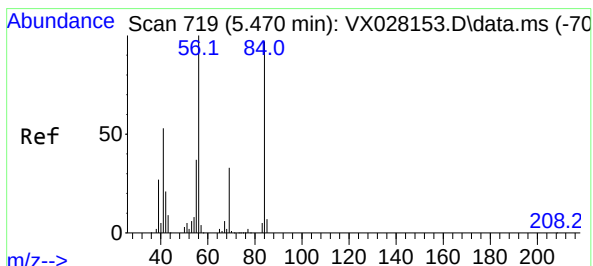
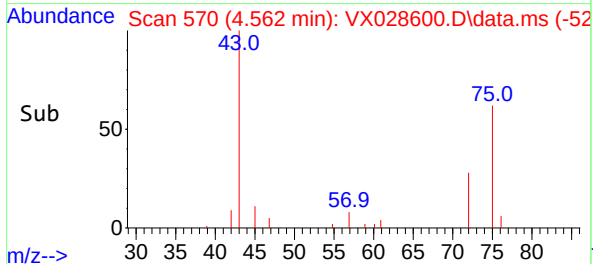
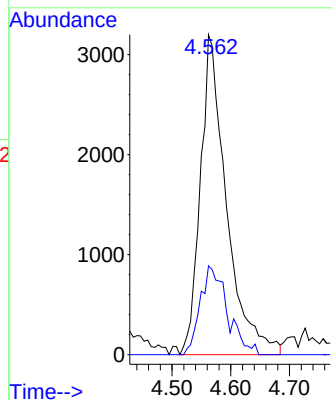
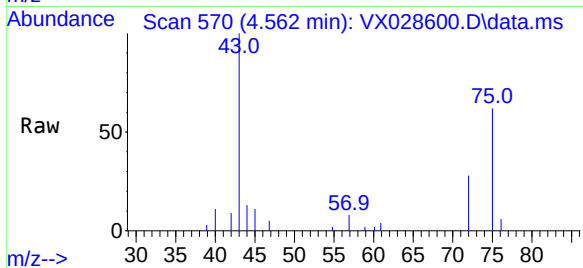
MH-31D

Tgt Ion: 43 Resp: 9866

Ion Ratio Lower Upper

43 100

72 27.8 24.4 36.6



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028600.D

Acq: 10 May 2022 17:32

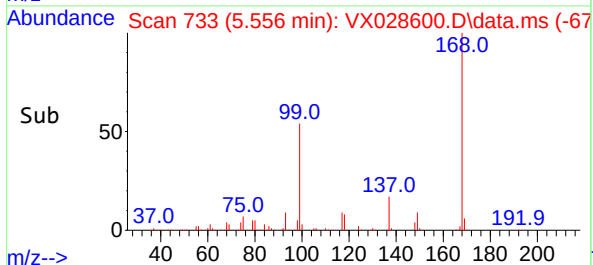
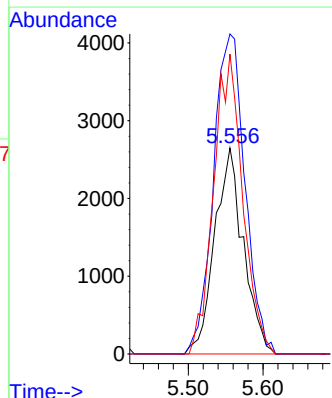
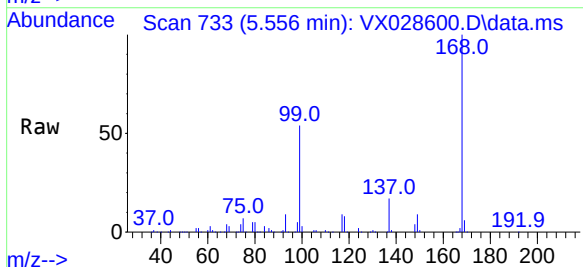
Tgt Ion: 56 Resp: 7070

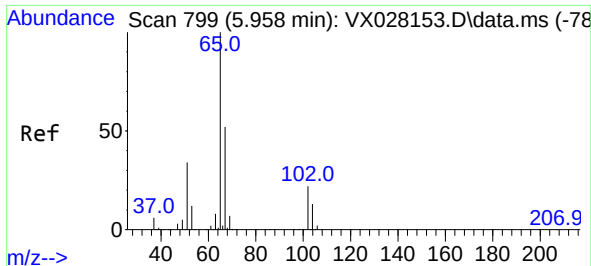
Ion Ratio Lower Upper

56 100

69 155.4 26.7 40.1#

84 145.6 77.2 115.8#

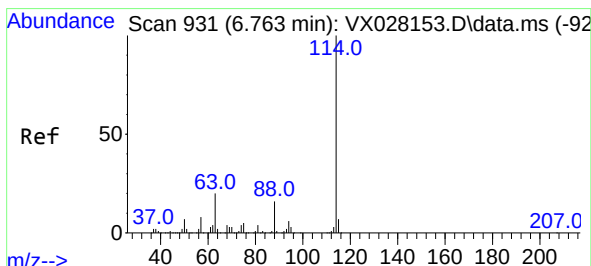
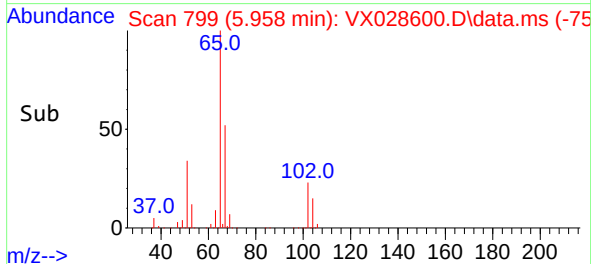
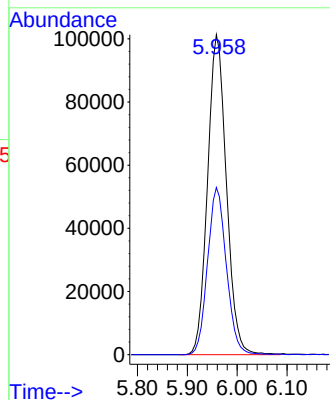
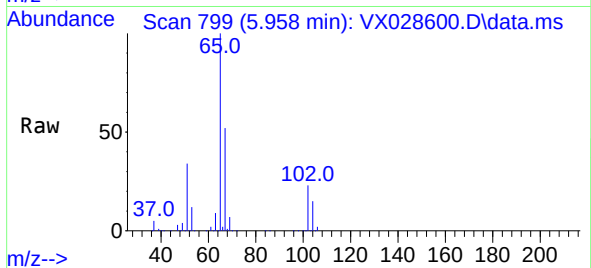




#33
1,2-Dichloroethane-d4
Concen: 53.201 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

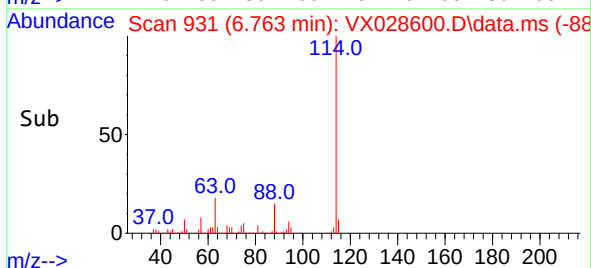
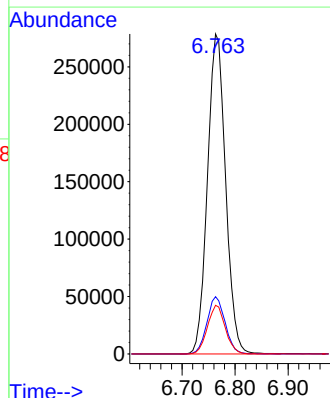
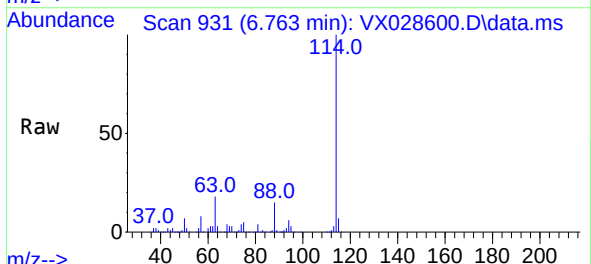
Instrument :
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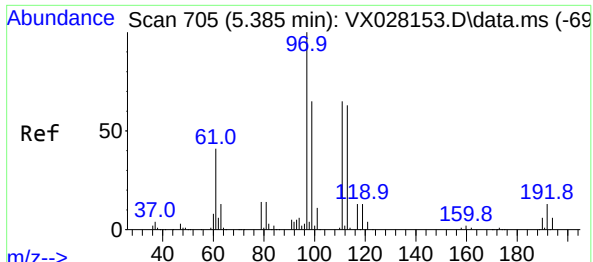
Tgt Ion: 65 Resp: 265982
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 114 Resp: 662006
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.8
88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.971 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028600.D

Acq: 10 May 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

MH-31D

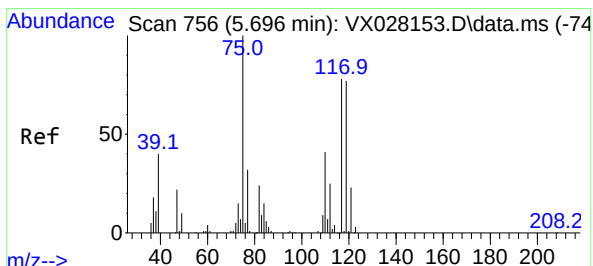
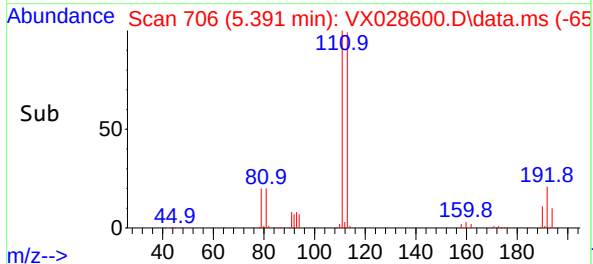
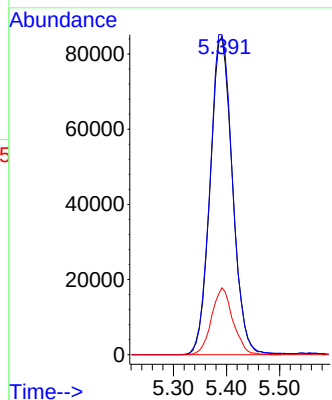
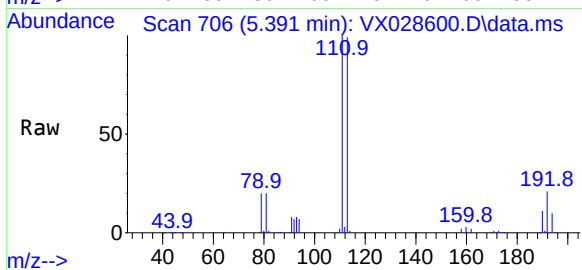
Tgt Ion:113 Resp: 245923

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 20.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.545 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX028600.D

Acq: 10 May 2022 17:32

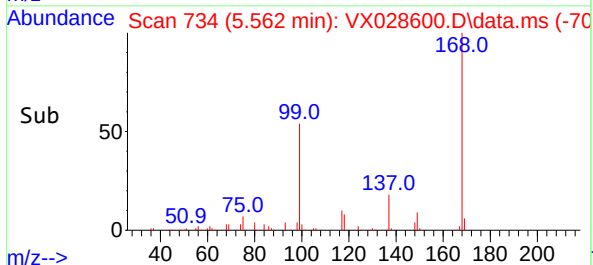
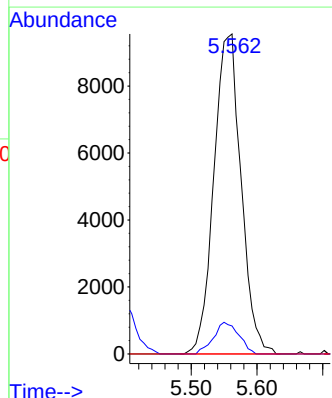
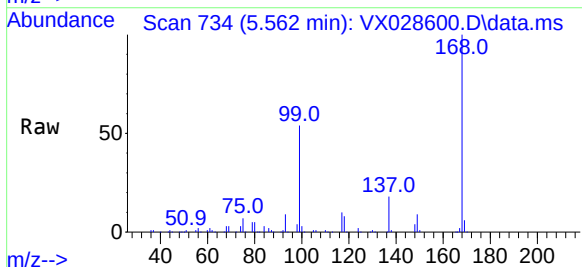
Tgt Ion: 75 Resp: 27524

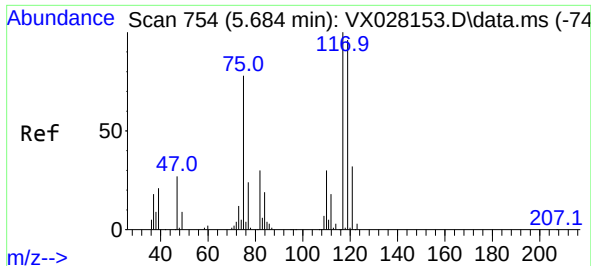
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#

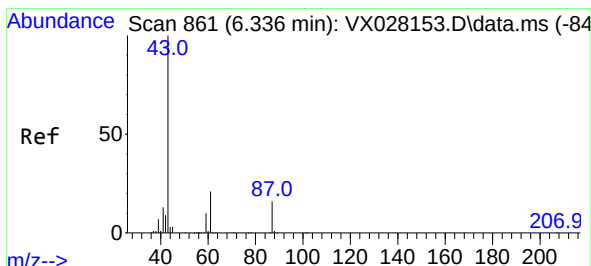
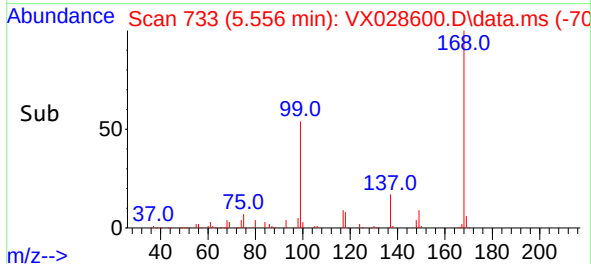
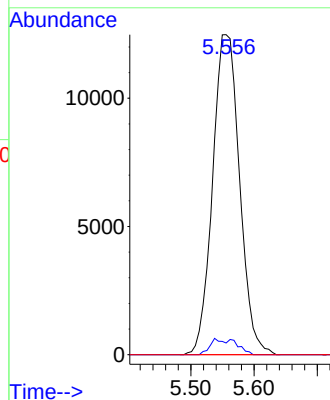
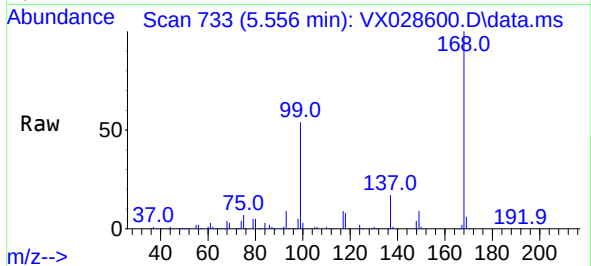




#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

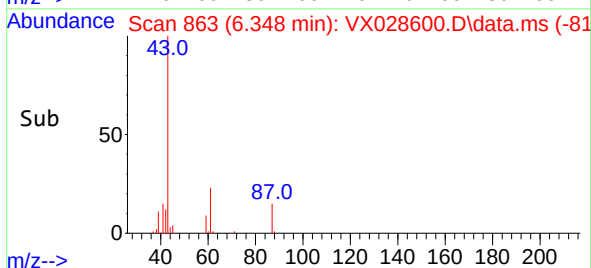
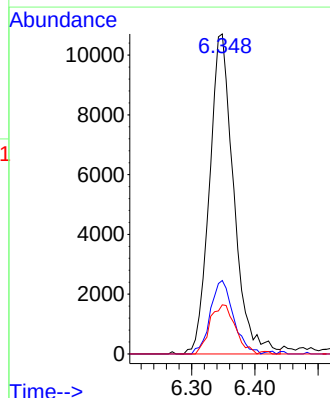
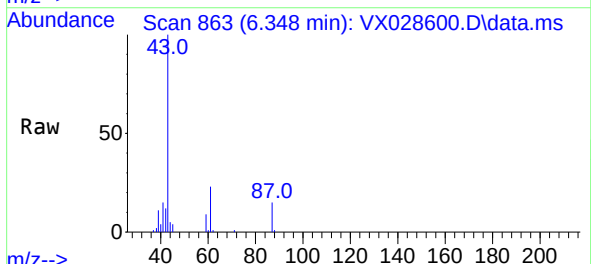
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

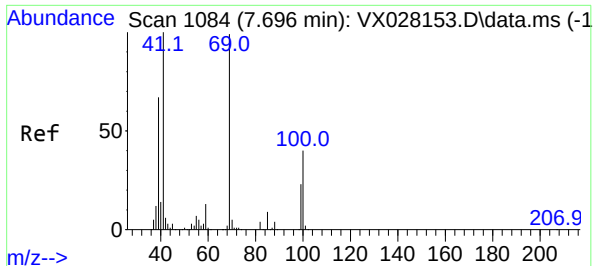
Tgt Ion:117 Resp: 36956
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.849 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 43 Resp: 28491
Ion Ratio Lower Upper
43 100
61 21.9 18.5 27.7
87 16.0 13.0 19.6

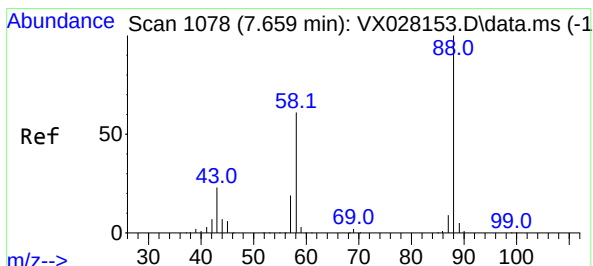
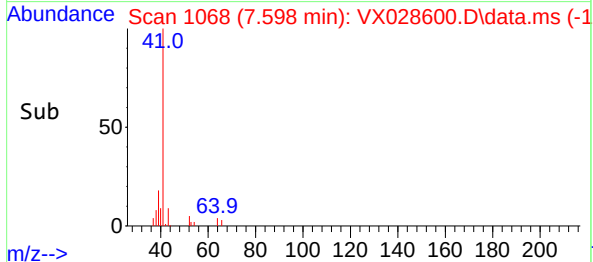
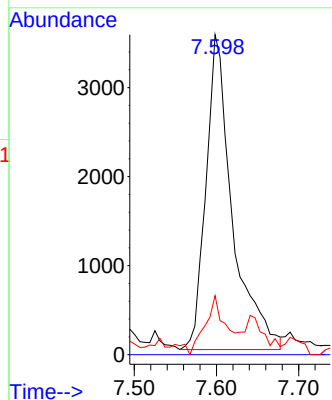
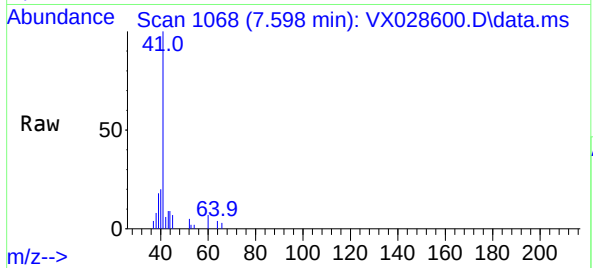




#48
Methyl methacrylate
Concen: 1.721 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

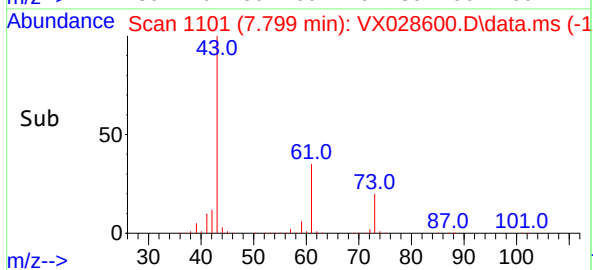
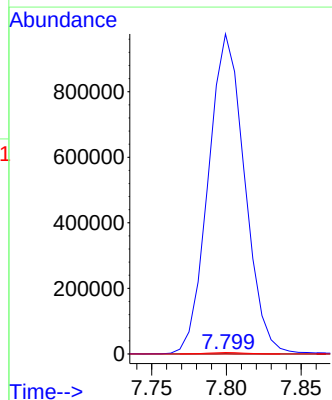
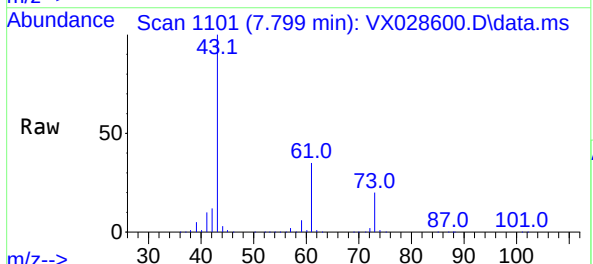
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

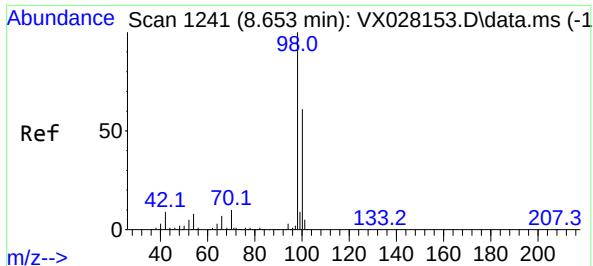
Tgt Ion: 41 Resp: 7901
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.354 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 88 Resp: 412
Ion Ratio Lower Upper
88 100
43 402400.7 21.9 32.9#
58 1846.1 53.7 80.5#

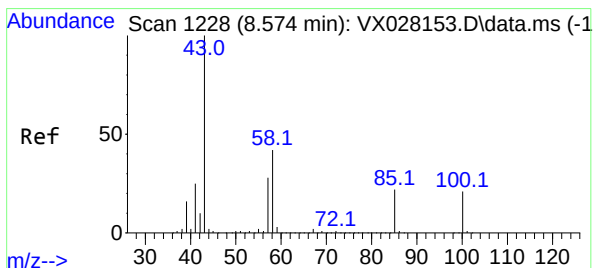
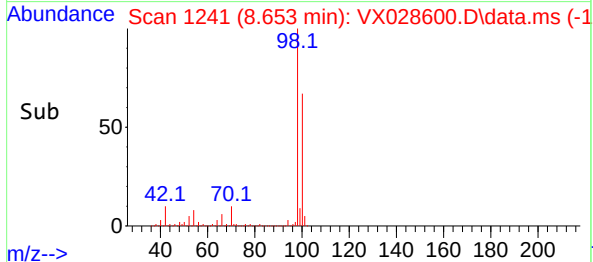
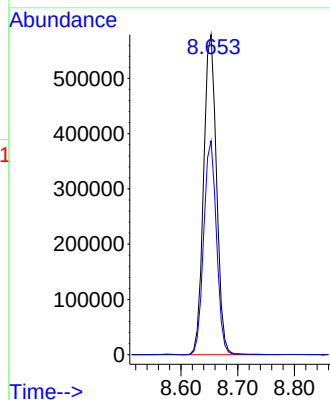
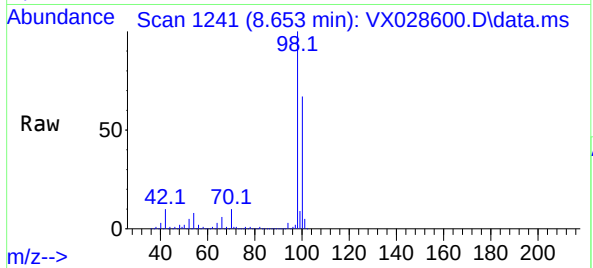




#50
Toluene-d8
Concen: 51.214 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

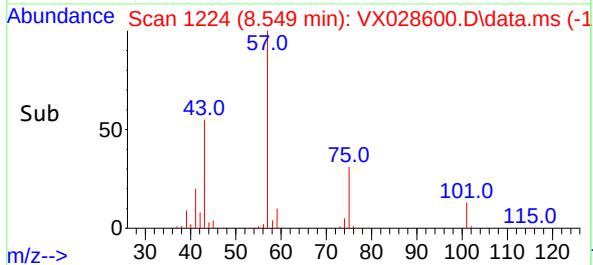
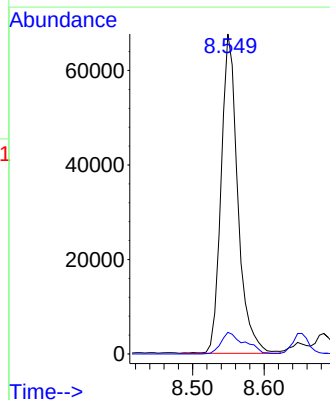
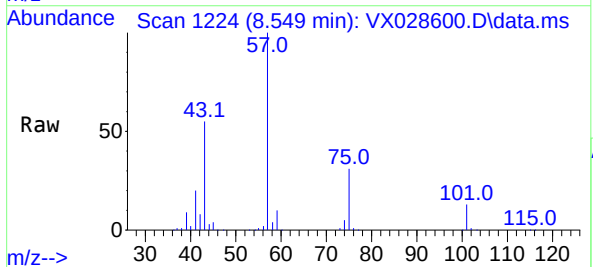
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

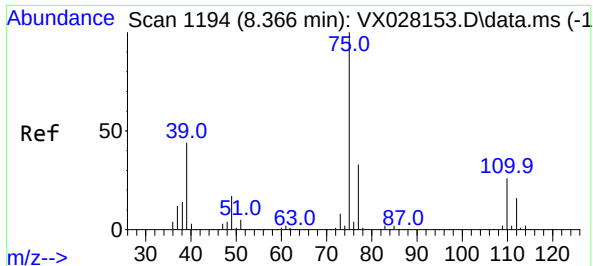
Tgt Ion: 98 Resp: 913213
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.093 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 43 Resp: 109692
Ion Ratio Lower Upper
43 100
58 9.5 36.1 54.1#

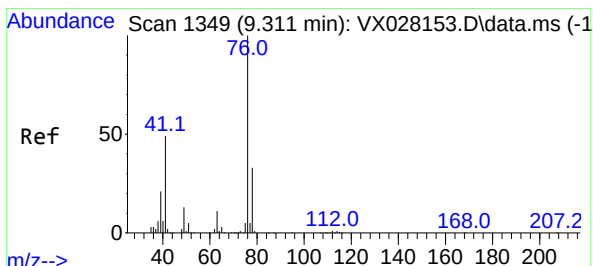
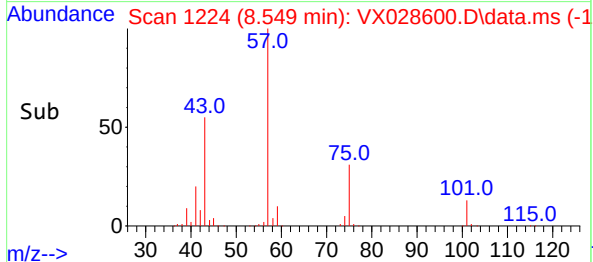
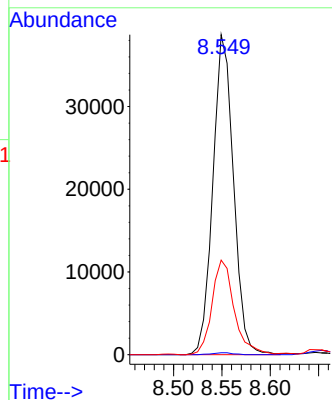
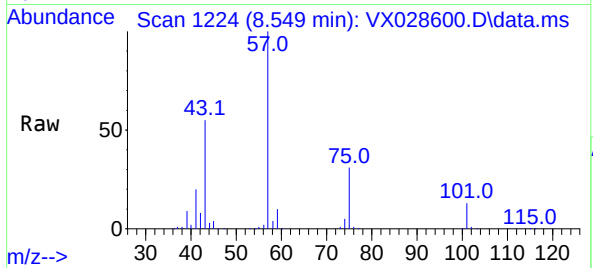




#54
cis-1,3-Dichloropropene
Concen: 7.677 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

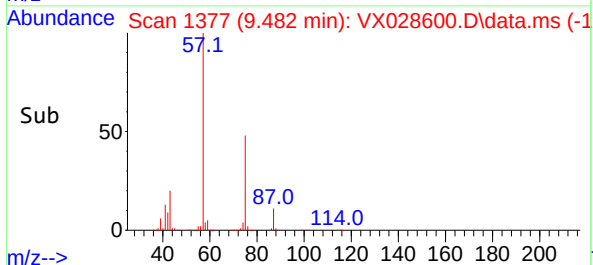
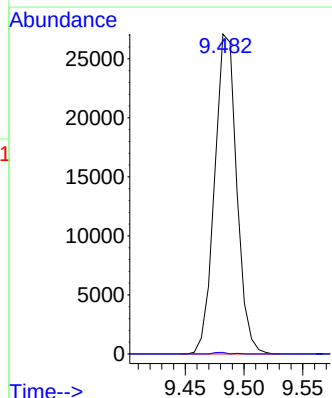
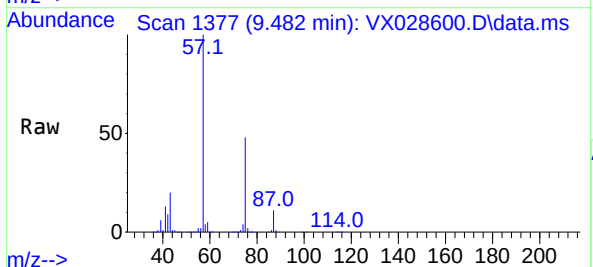
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

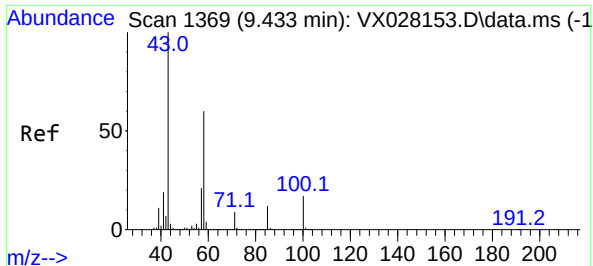
Tgt Ion: 75 Resp: 57313
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 29.5 29.6 44.4#



#57
1,3-Dichloropropane
Concen: 4.395 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 76 Resp: 35492
Ion Ratio Lower Upper
76 100
78 0.3 25.8 38.8#





#59

2-Hexanone

Concen: 81.867 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028600.D

Acq: 10 May 2022 17:32

Instrument :

MSVOA_X

ClientSampleId :

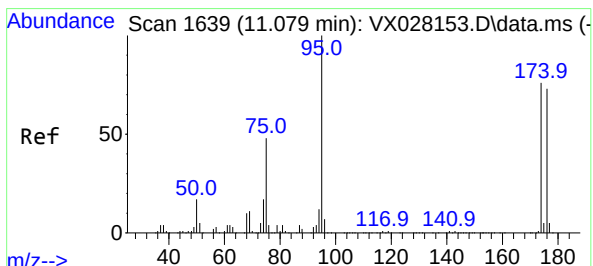
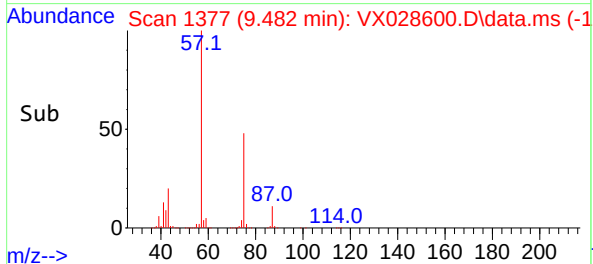
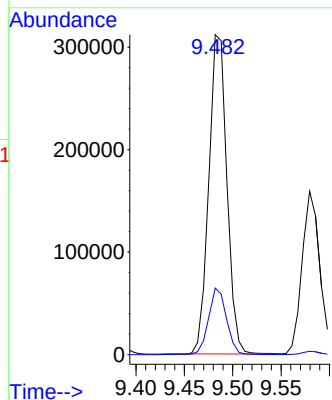
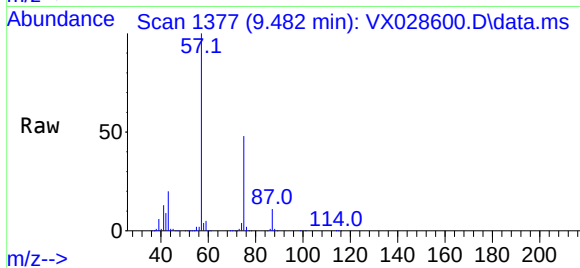
MH-31D

Tgt Ion: 43 Resp: 406970

Ion Ratio Lower Upper

43 100

58 20.7 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.977 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028600.D

Acq: 10 May 2022 17:32

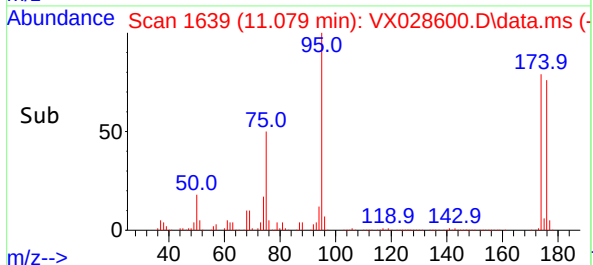
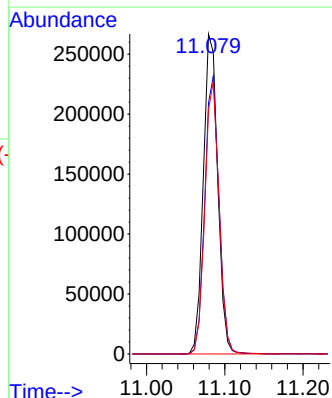
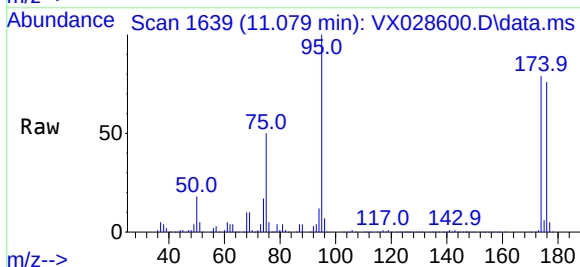
Tgt Ion: 95 Resp: 340737

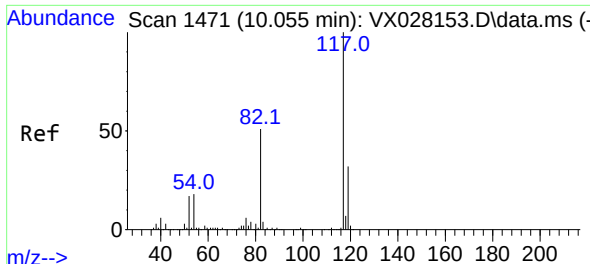
Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.0

176 84.1 0.0 155.0

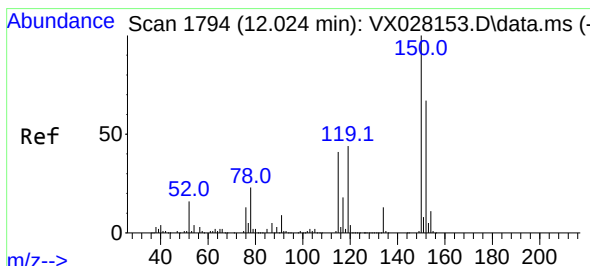
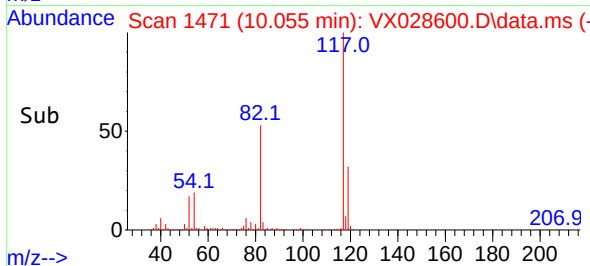
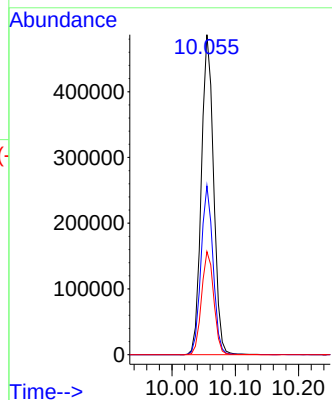
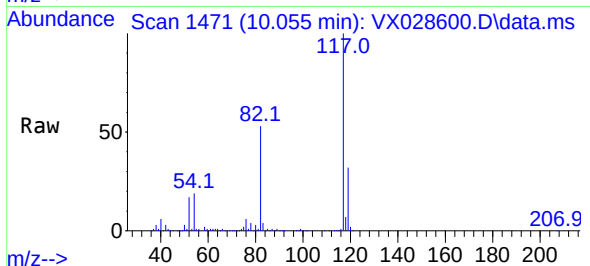




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

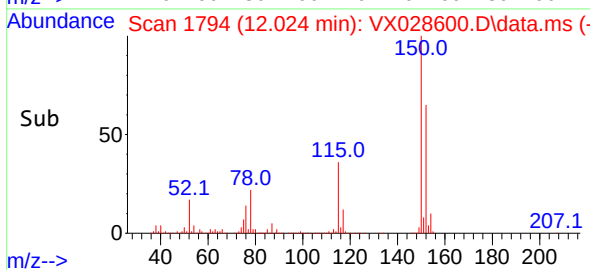
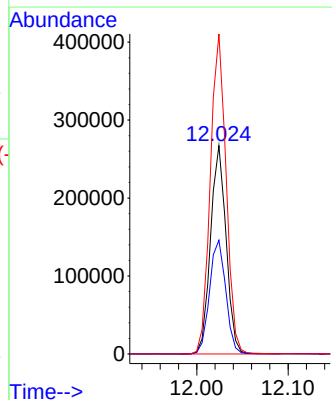
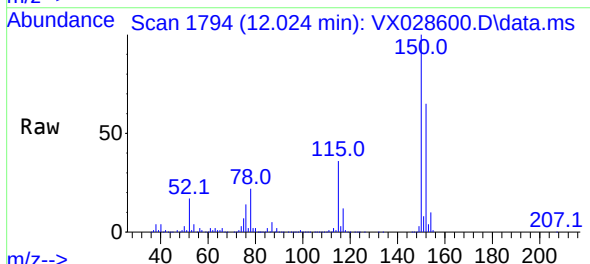
Instrument :
MSVOA_X
ClientSampleId :
MH-31D

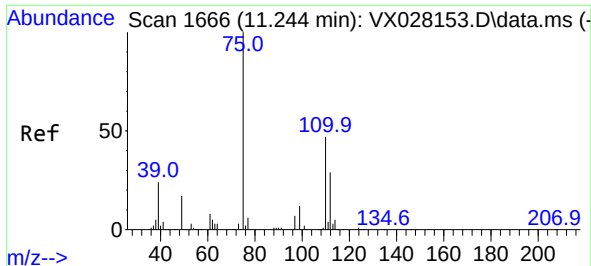
Tgt Ion:117 Resp: 656867
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion:152 Resp: 315934
Ion Ratio Lower Upper
152 100
115 56.8 37.5 112.7
150 155.5 0.0 338.2

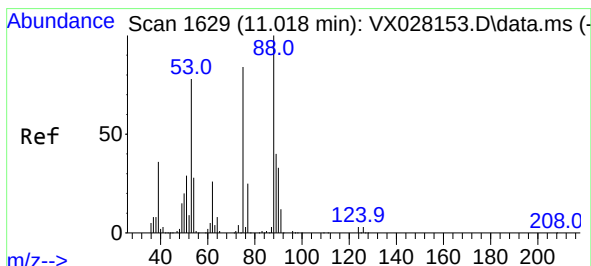
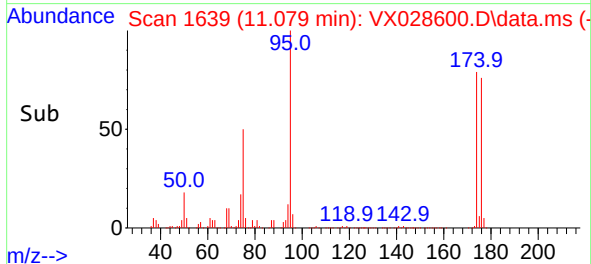
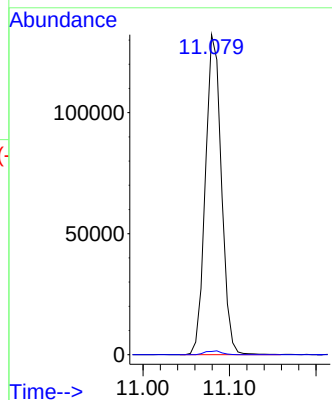
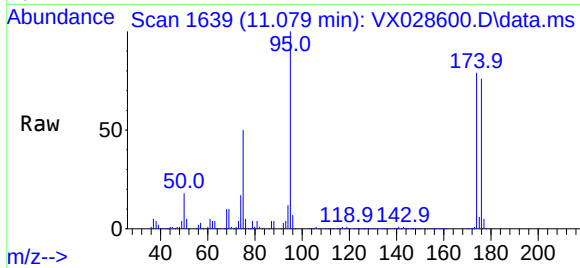




#76
1,2,3-Trichloropropane
Concen: 27.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Instrument :
MSVOA_X
ClientSampleId :
MH-31D

Tgt Ion: 75 Resp: 169886
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028600.D
Acq: 10 May 2022 17:32

Tgt Ion: 75 Resp: 169886
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

