

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
 Data File : VX028362.D
 Acq On : 26 Apr 2022 20:05
 Operator : JC/MD
 Sample : N2559-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-10D

Quant Time: Apr 27 02:08:25 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)

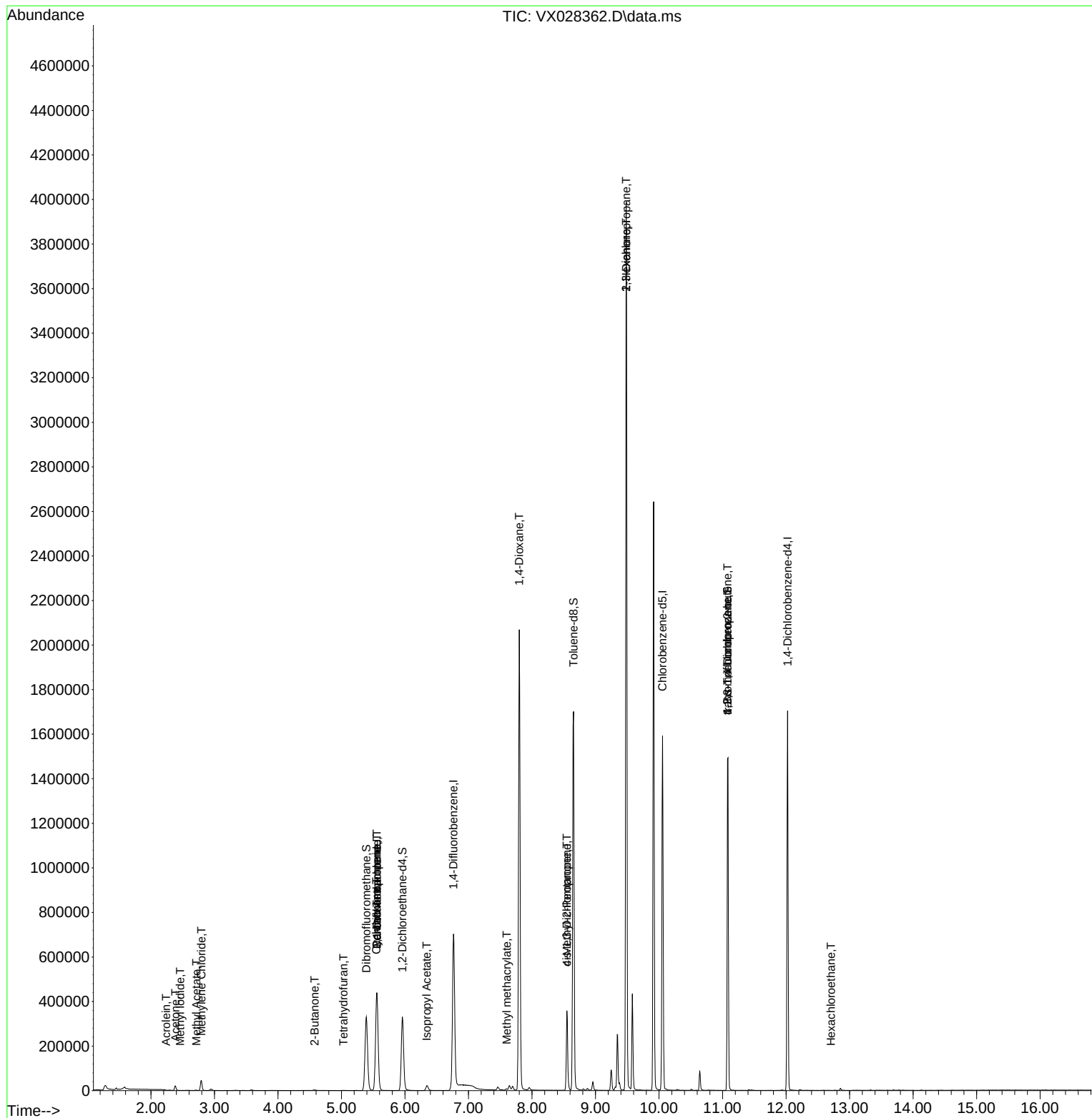
Internal Standards						
1) Pentafluorobenzene	5.556	168	434641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	744298	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	741696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	357682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	310454	54.781	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.560%			
35) Dibromofluoromethane	5.391	113	282437	54.110	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.220%			
50) Toluene-d8	8.653	98	1054405	52.594	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.180%			
62) 4-Bromofluorobenzene	11.079	95	393047	51.275	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.560%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	1284	Below Cal	#	74
5) Bromomethane	1.611	94	1193	Below Cal	#	62
6) Chloroethane	1.679	64	566	Below Cal	#	62
8) Diethyl Ether	2.136	74	55	Below Cal	#	7
10) Methyl Iodide	2.459	142	200	5.272	ug/l #	75
11) Tert butyl alcohol	2.947	59	4013	Below Cal	#	72
13) Acrolein	2.239	56	272	0.392	ug/l #	61
16) Acetone	2.386	43	21680	11.191	ug/l #	85
18) Methyl Acetate	2.715	43	2682	0.532	ug/l #	89
20) Methylene Chloride	2.794	84	21376	5.084	ug/l	97
25) 2-Butanone	4.574	43	3218	0.959	ug/l #	82
29) Tetrahydrofuran	5.032	42	512	0.234	ug/l #	62
31) Cyclohexane	5.550	56	8495	1.230	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	30327	4.454	ug/l #	50
38) Carbon Tetrachloride	5.556	117	42004	5.465	ug/l #	15
43) Isopropyl Acetate	6.342	43	30500	2.713	ug/l	98
48) Methyl methacrylate	7.604	41	8382	1.624	ug/l #	7
49) 1,4-Dioxane	7.799	88	368	2.665	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	113923	15.789	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	62060	7.393	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	38211	4.208	ug/l #	43
59) 2-Hexanone	9.482	43	427383	76.468	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	196589	27.927	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	196589	82.991	ug/l #	15
90) Hexachloroethane	12.707	117	23	1.819	ug/l #	10

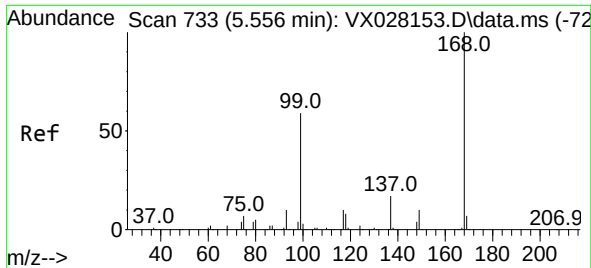
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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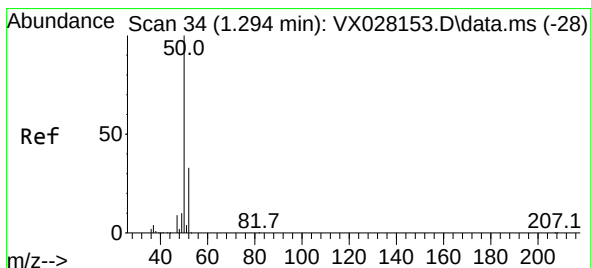
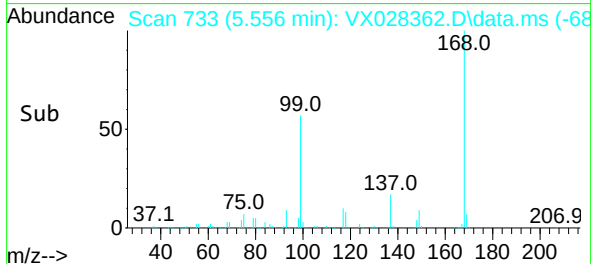
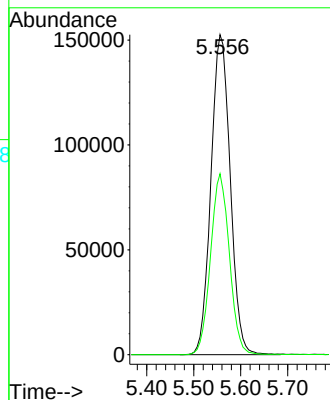
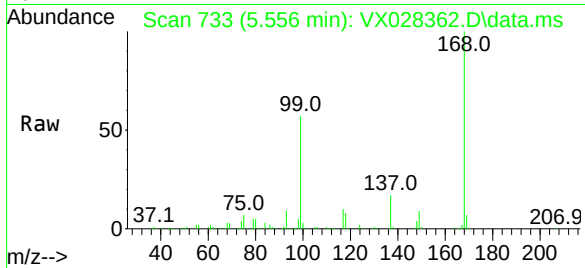




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

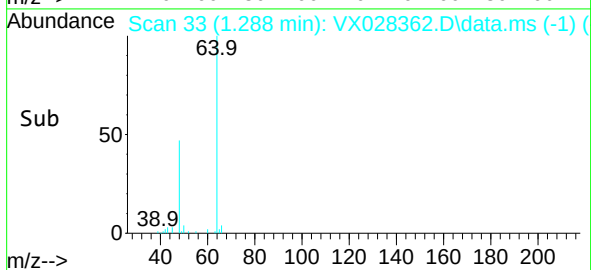
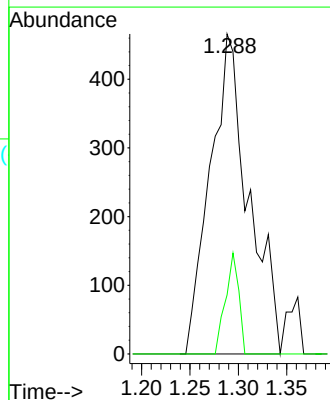
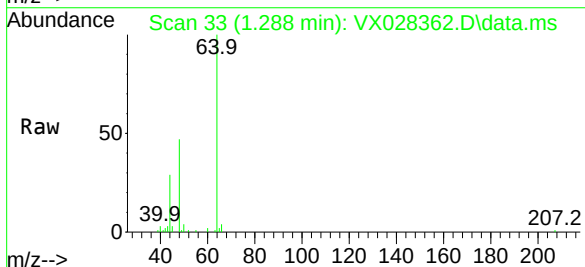
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

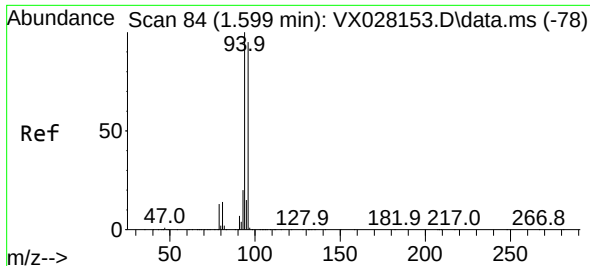
Tgt Ion:168 Resp: 434641
Ion Ratio Lower Upper
168 100
99 56.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 50 Resp: 1284
Ion Ratio Lower Upper
50 100
52 18.5 26.4 39.6#

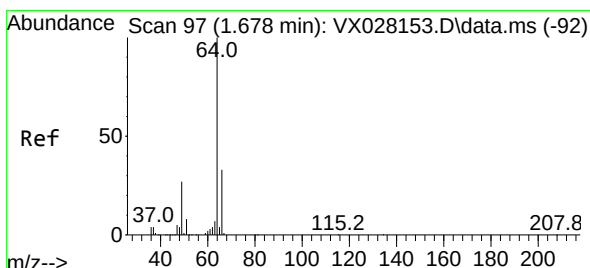
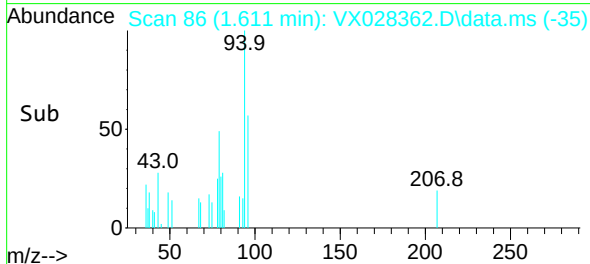
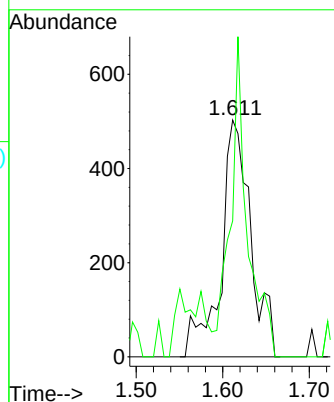
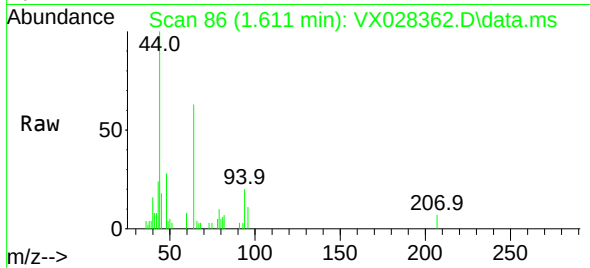




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

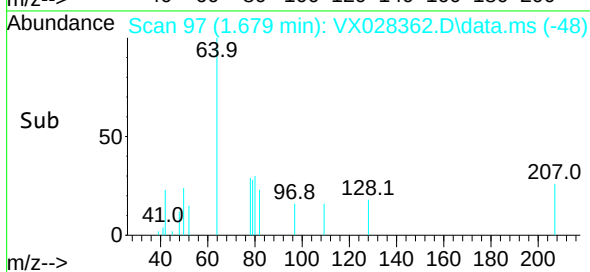
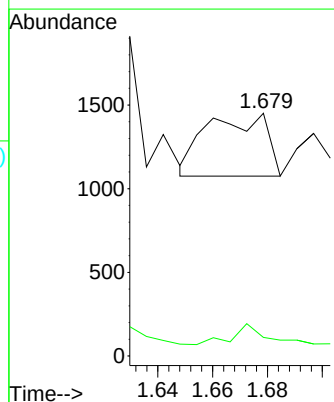
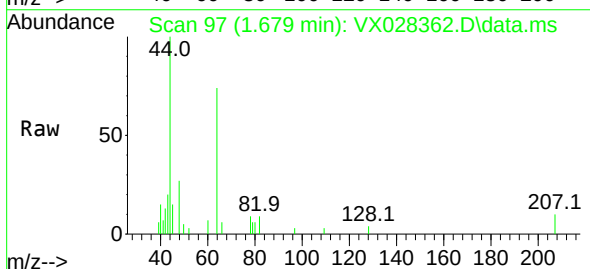
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

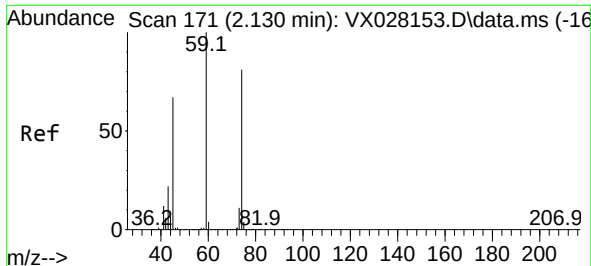
Tgt Ion: 94 Resp: 1193
Ion Ratio Lower Upper
94 100
96 57.5 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 64 Resp: 566
Ion Ratio Lower Upper
64 100
66 10.6 25.3 37.9#

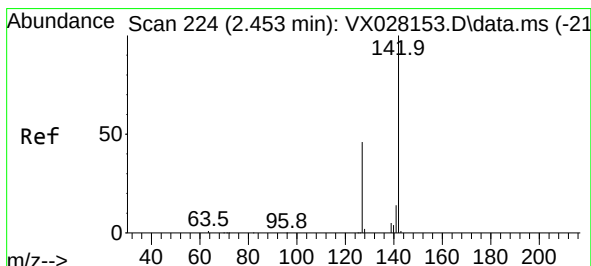
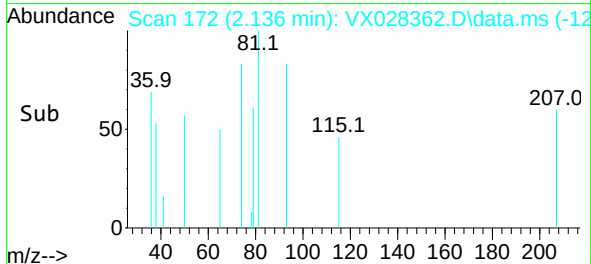
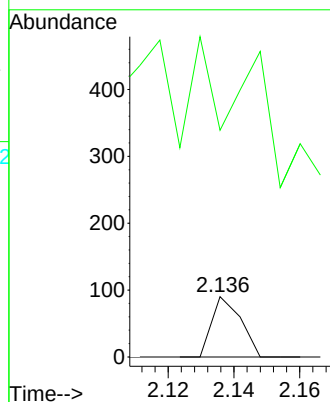
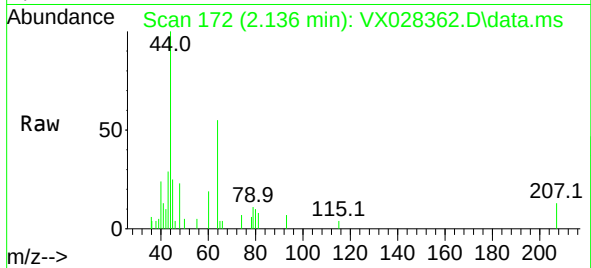




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

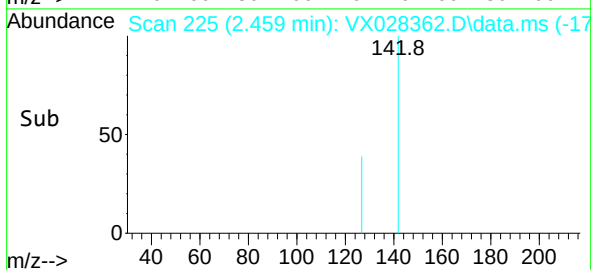
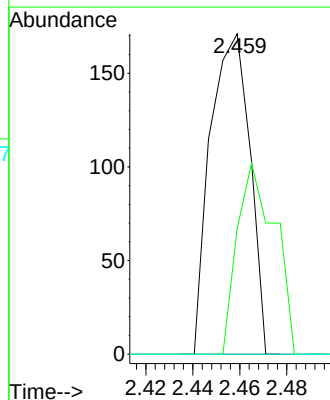
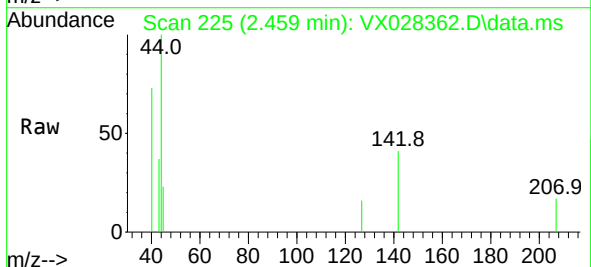
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

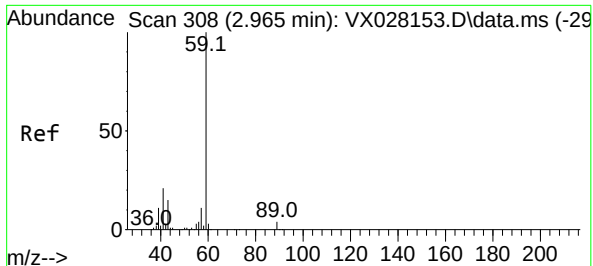
Tgt Ion: 74 Resp: 55
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.272 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion:142 Resp: 200
Ion Ratio Lower Upper
142 100
127 56.5 33.9 50.9#
141 0.0 11.4 17.2#

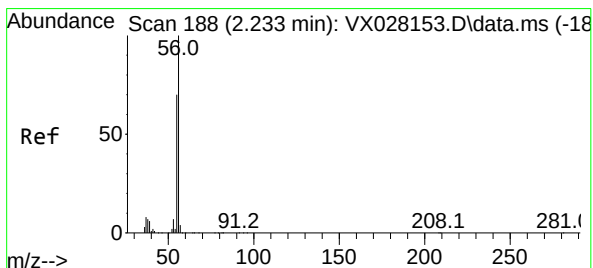
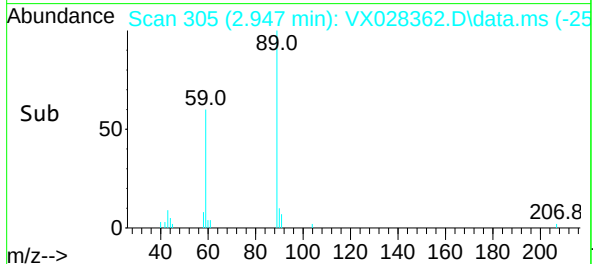
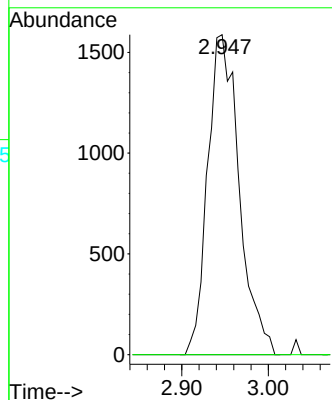
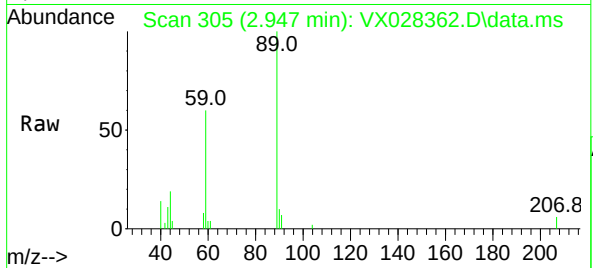




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

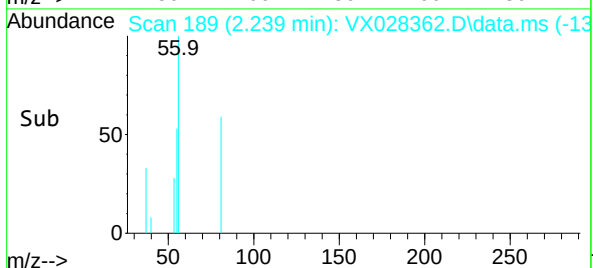
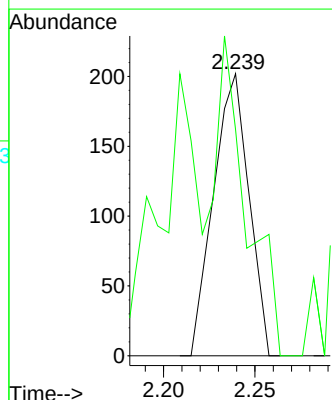
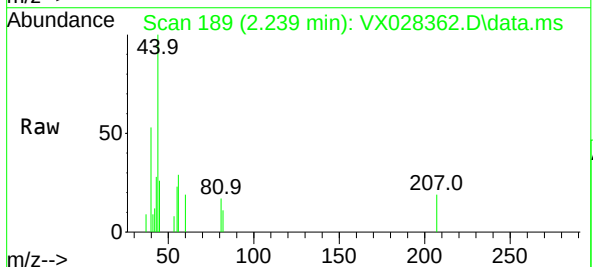
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

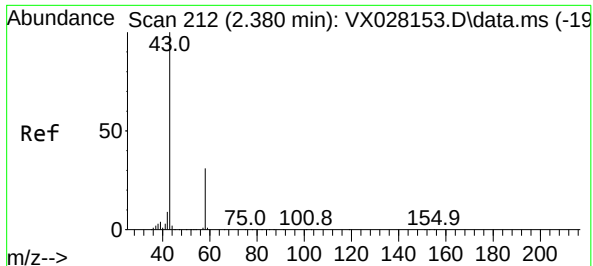
Tgt Ion: 59 Resp: 4013
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.392 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 100.7 55.0 82.6#

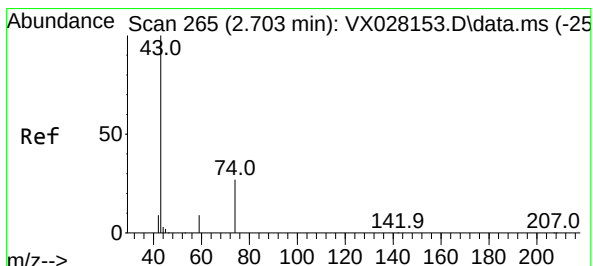
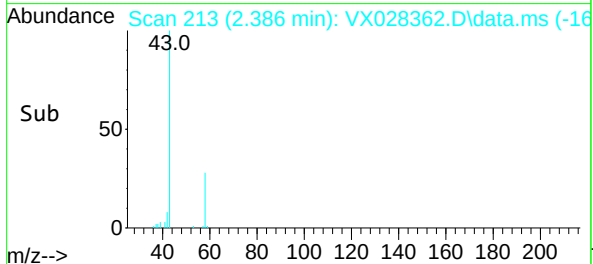
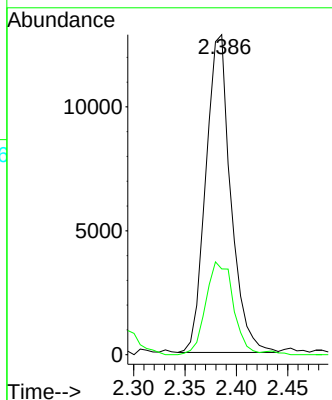
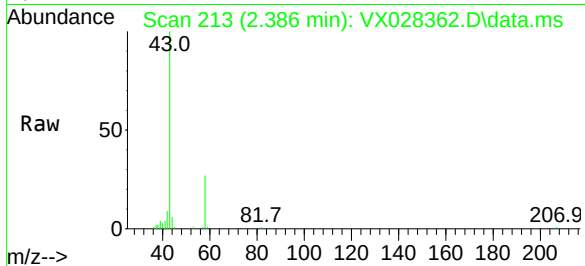




#16
Acetone
Concen: 11.191 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

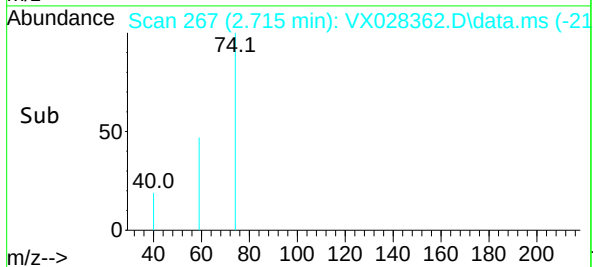
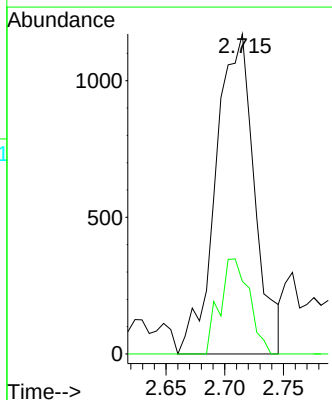
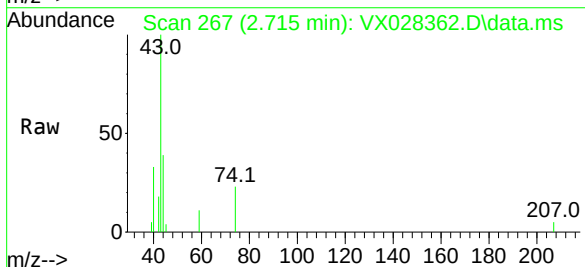
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MSVOA_X
ClientSampleId :
MH-10D

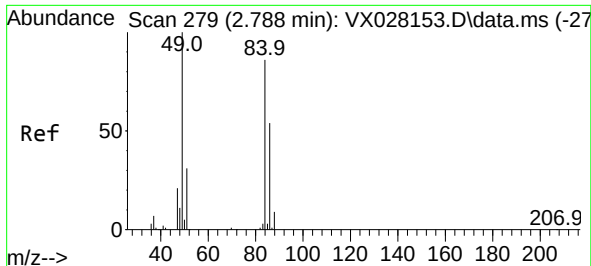
Tgt Ion: 43 Resp: 21680
Ion Ratio Lower Upper
43 100
58 27.0 28.8 43.2#



#18
Methyl Acetate
Concen: 0.532 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 43 Resp: 2682
Ion Ratio Lower Upper
43 100
74 22.6 22.8 34.2#

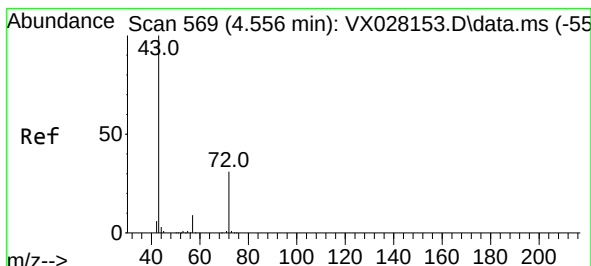
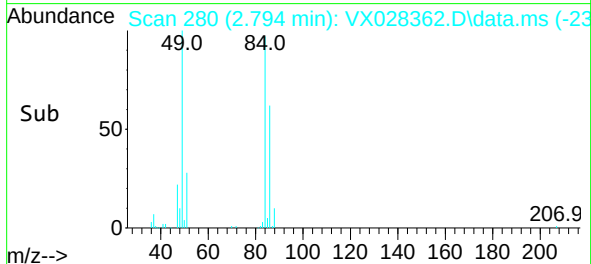
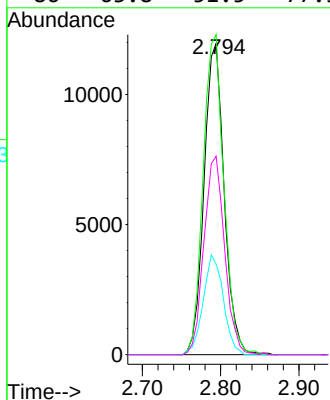
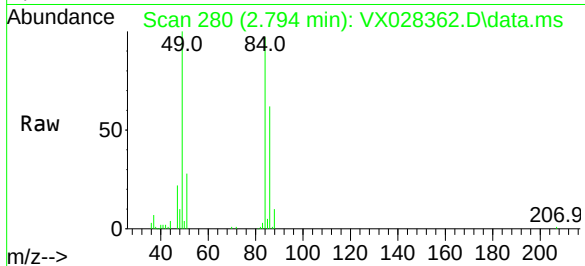




#20
Methylene Chloride
Concen: 5.084 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

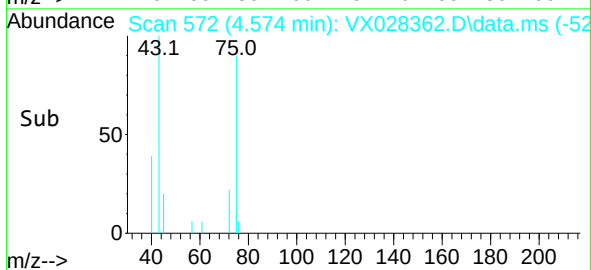
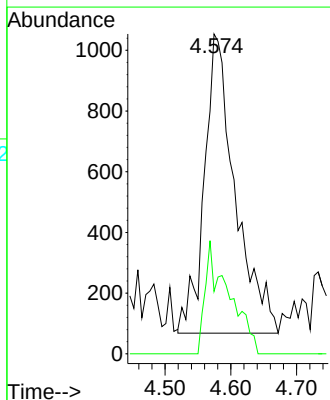
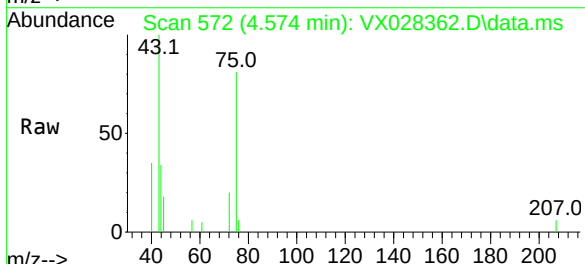
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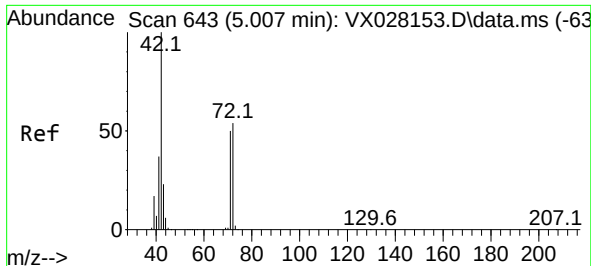
Tgt Ion:	84	Resp:	21376
Ion	Ratio	Lower	Upper
84	100		
49	102.8	85.5	128.3
51	29.1	26.6	39.8
86	63.8	51.5	77.3



#25
2-Butanone
Concen: 0.959 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion:	43	Resp:	3218
Ion	Ratio	Lower	Upper
43	100		
72	20.9	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX028362.D

Acq: 26 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

MH-10D

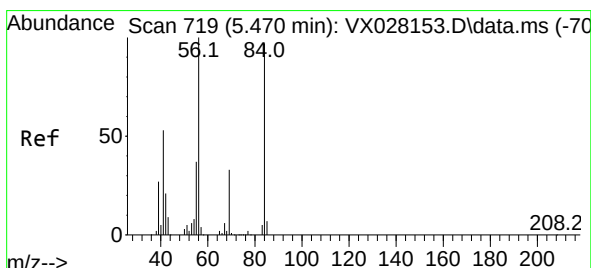
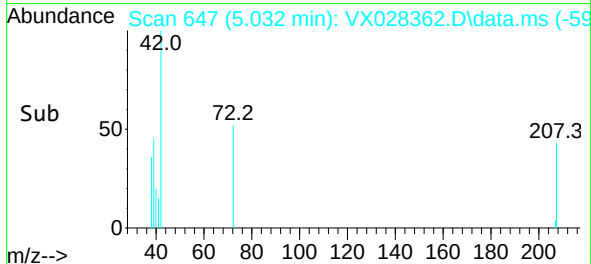
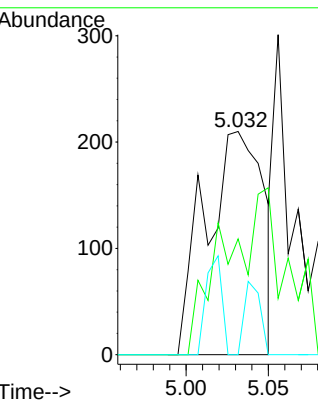
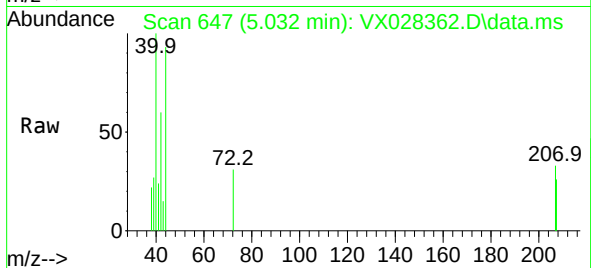
Tgt Ion: 42 Resp: 512

Ion Ratio Lower Upper

42 100

72 42.4 44.1 66.1#

71 9.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.230 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028362.D

Acq: 26 Apr 2022 20:05

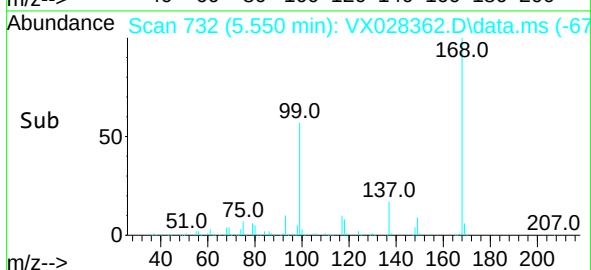
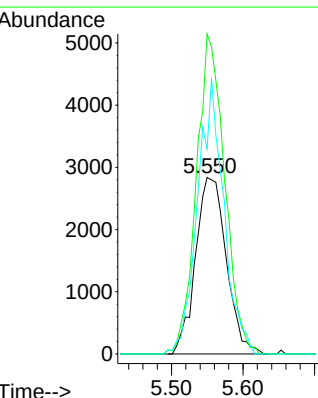
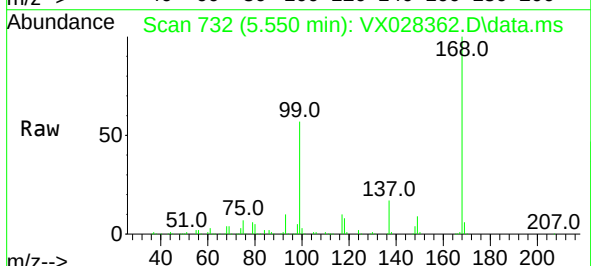
Tgt Ion: 56 Resp: 8495

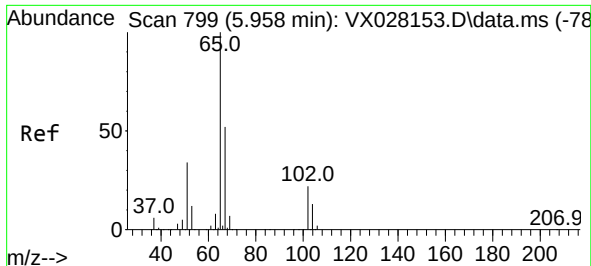
Ion Ratio Lower Upper

56 100

69 181.3 26.7 40.1#

84 116.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.781 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028362.D

Acq: 26 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

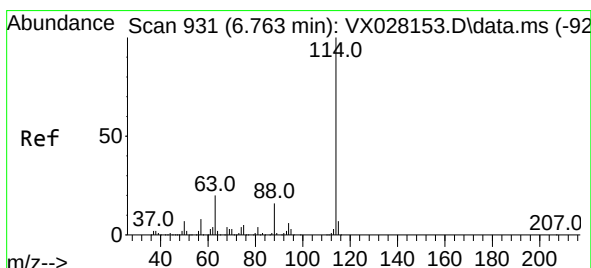
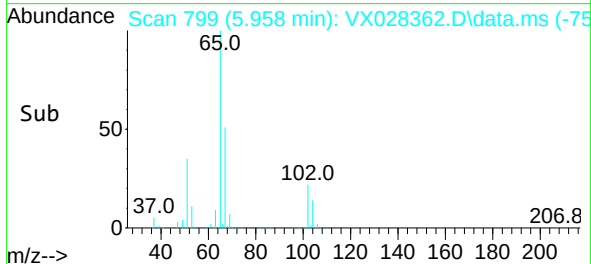
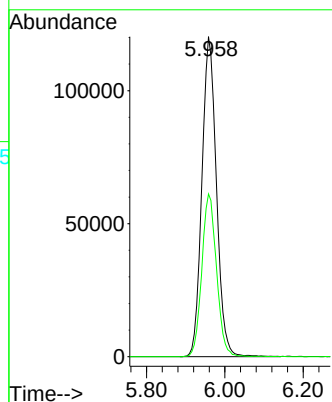
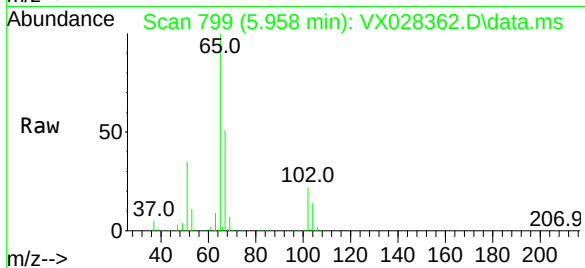
MH-10D

Tgt Ion: 65 Resp: 310454

Ion Ratio Lower Upper

65 100

67 51.3 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: VX028362.D

Acq: 26 Apr 2022 20:05

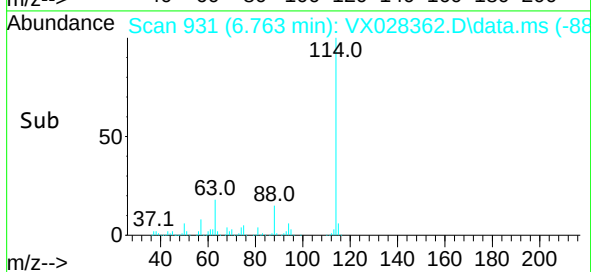
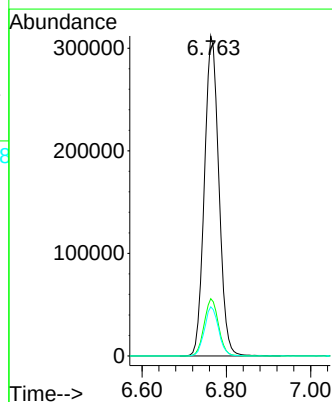
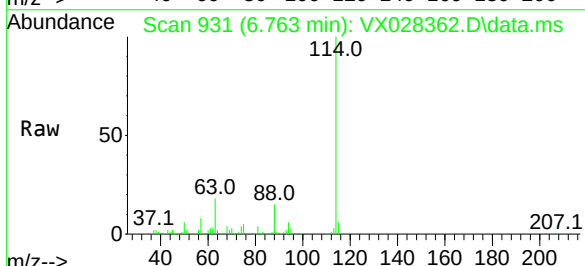
Tgt Ion: 114 Resp: 744298

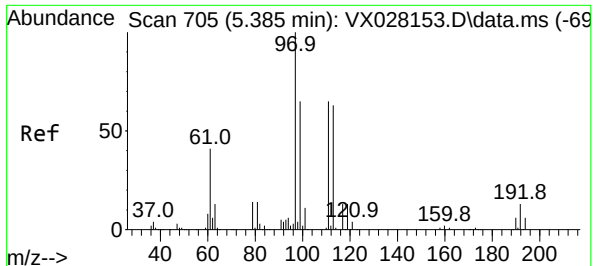
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 15.4 0.0 32.4

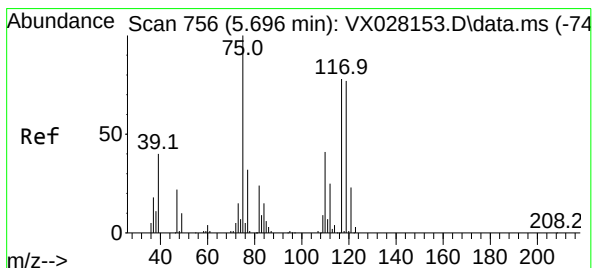
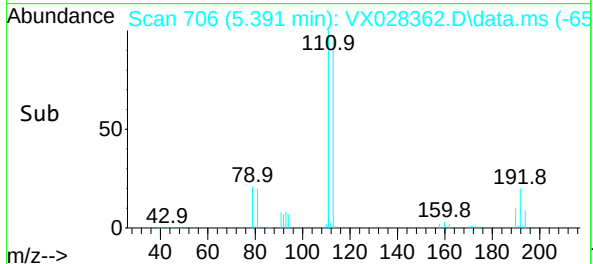
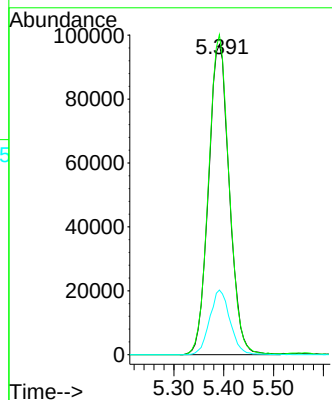
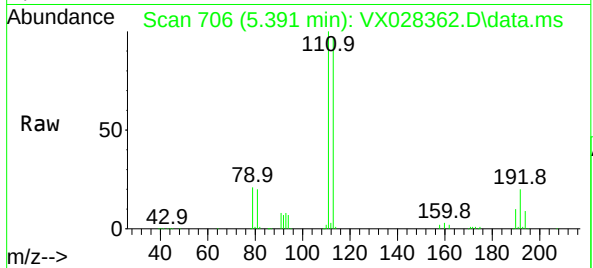




#35
Dibromofluoromethane
Concen: 54.110 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

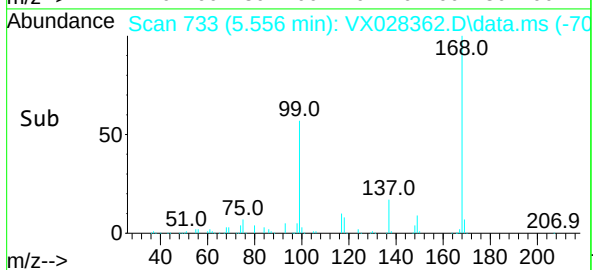
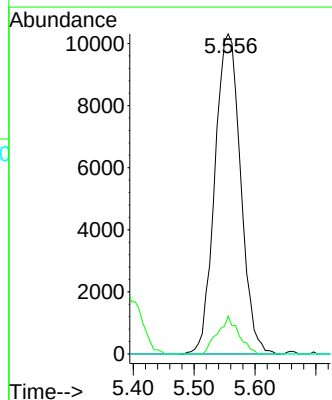
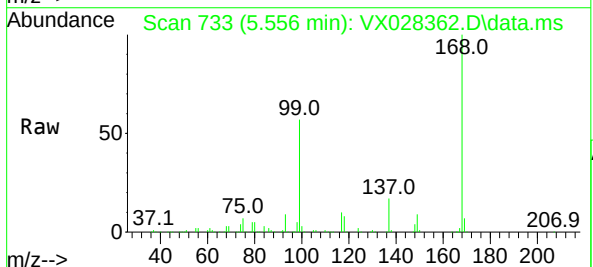
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

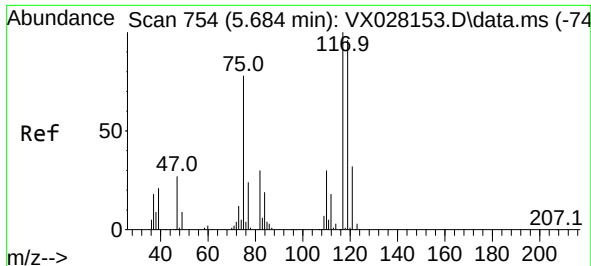
Tgt Ion:113 Resp: 282437
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.454 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 75 Resp: 30327
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#

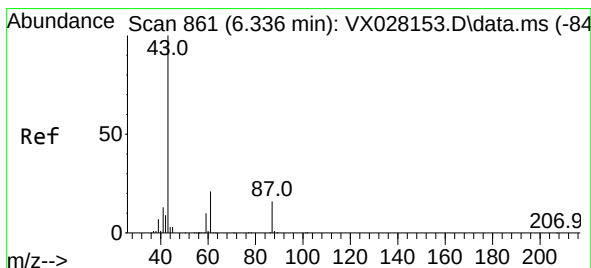
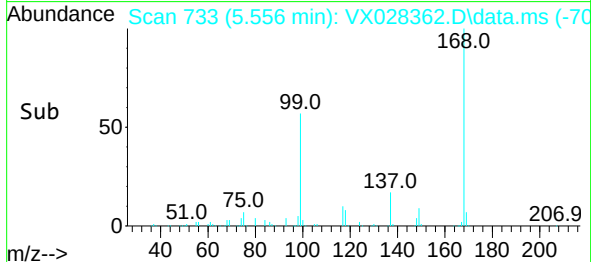
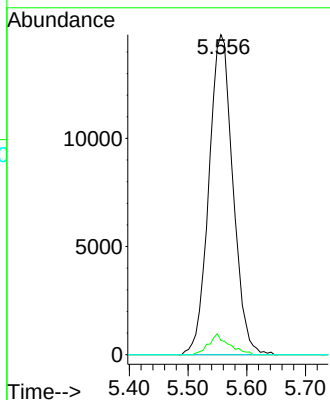
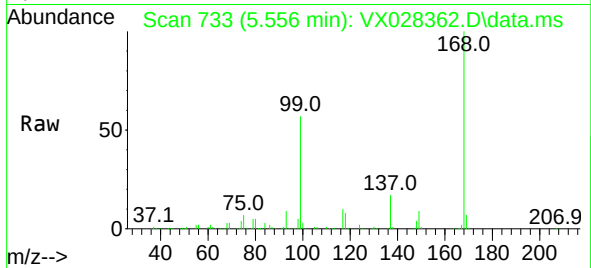




#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

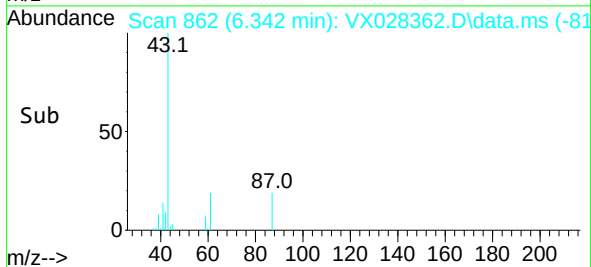
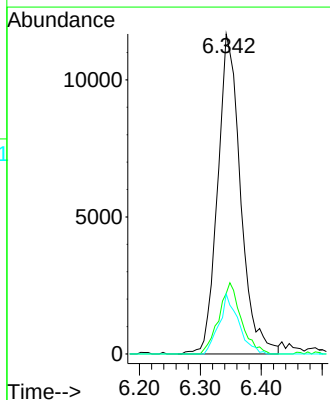
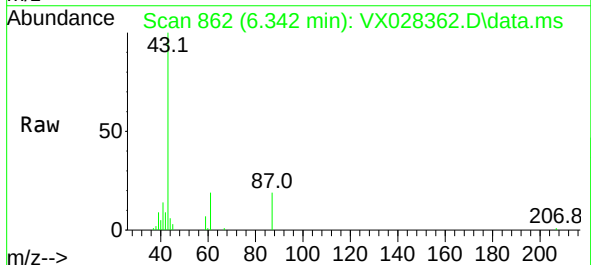
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

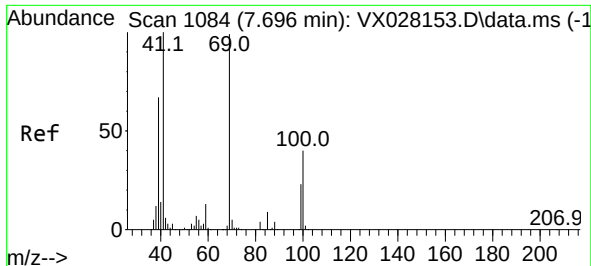
Tgt Ion:117 Resp: 42004
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.713 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 43 Resp: 30500
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 15.9 13.0 19.6





#48

Methyl methacrylate

Concen: 1.624 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.092 min

Lab File: VX028362.D

Acq: 26 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

MH-10D

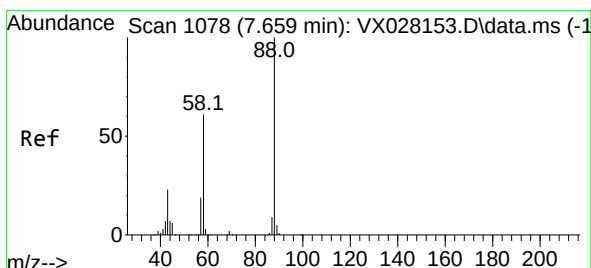
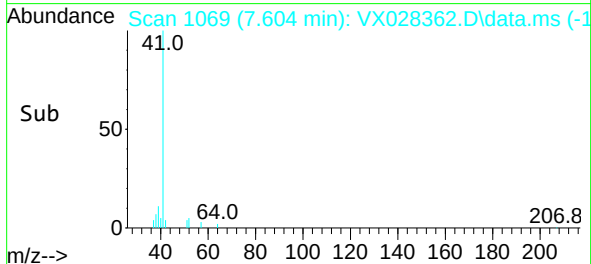
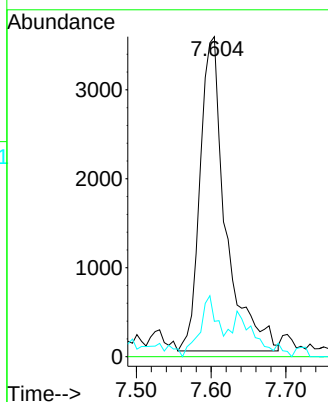
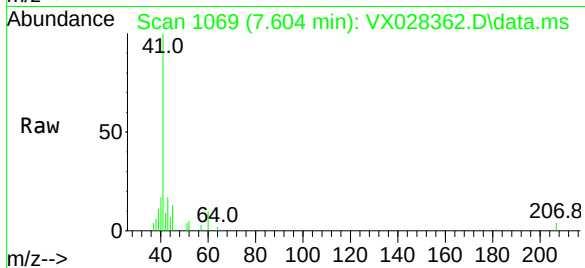
Tgt Ion: 41 Resp: 8382

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: 2.665 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028362.D

Acq: 26 Apr 2022 20:05

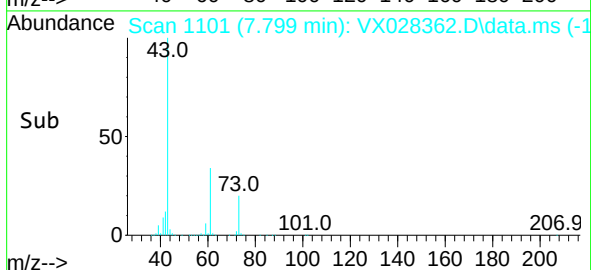
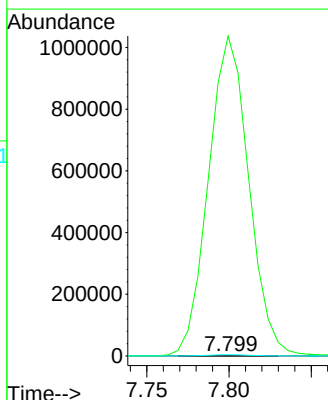
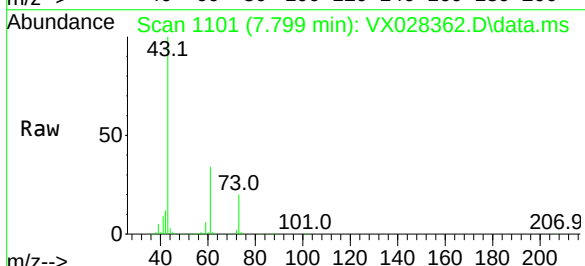
Tgt Ion: 88 Resp: 368

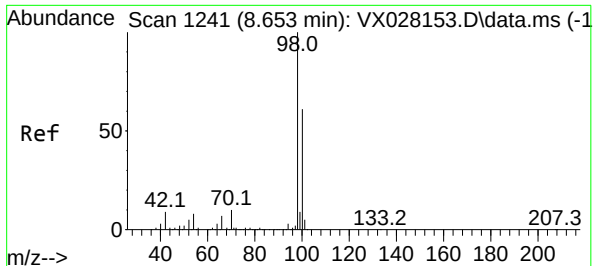
Ion Ratio Lower Upper

88 100

43 482937.0 21.9 32.9#

58 2034.8 53.7 80.5#

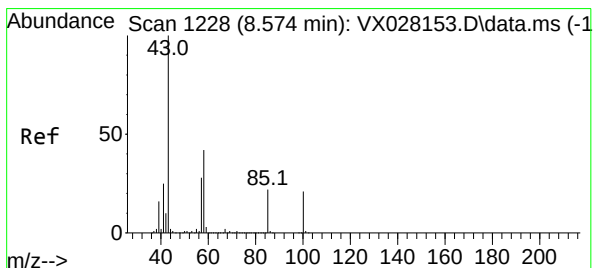
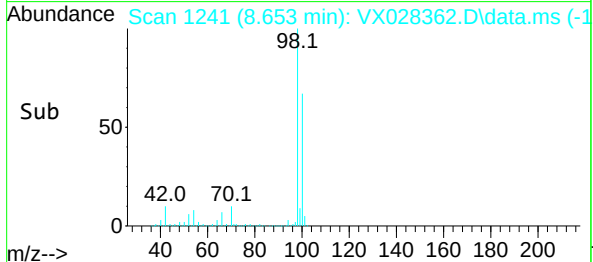
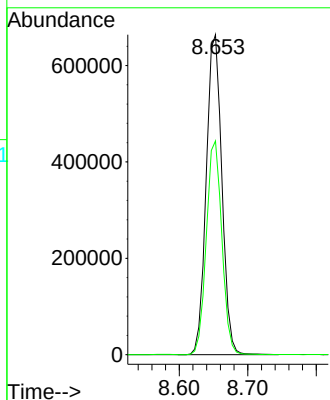
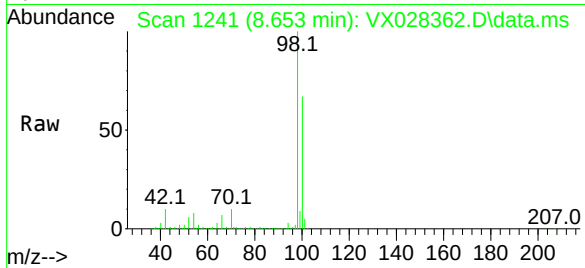




#50
Toluene-d8
Concen: 52.594 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

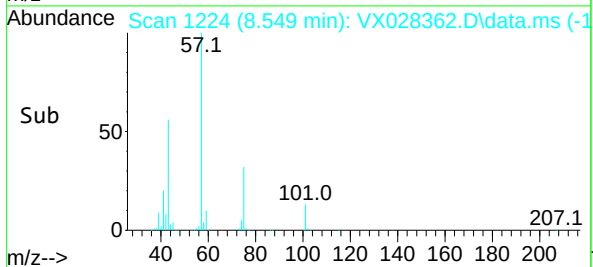
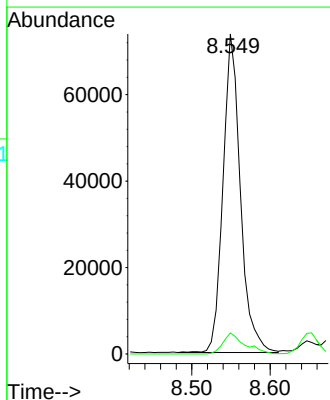
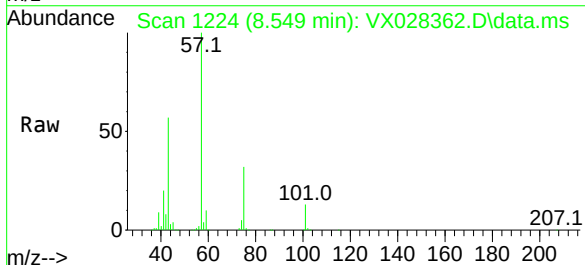
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

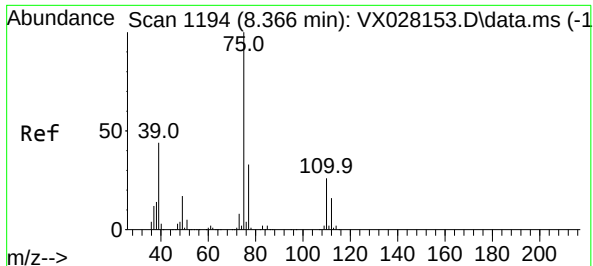
Tgt Ion: 98 Resp: 1054405
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.789 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 43 Resp: 113923
Ion Ratio Lower Upper
43 100
58 8.3 36.1 54.1#

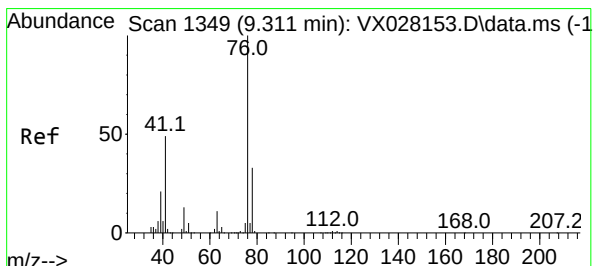
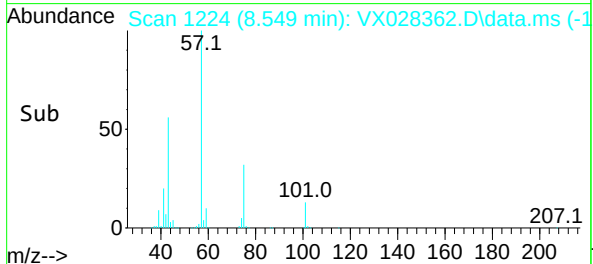
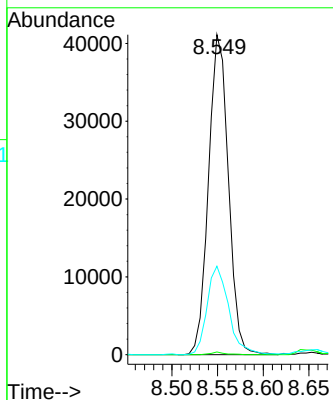
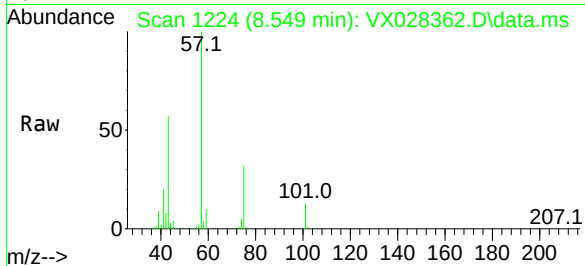




#54
 cis-1,3-Dichloropropene
 Concen: 7.393 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028362.D
 Acq: 26 Apr 2022 20:05

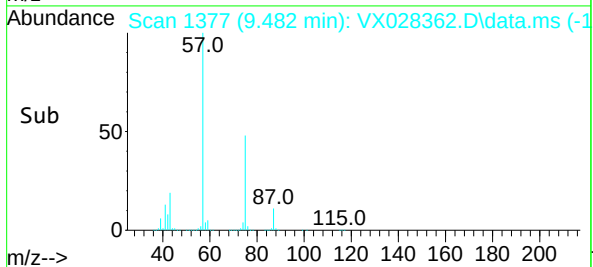
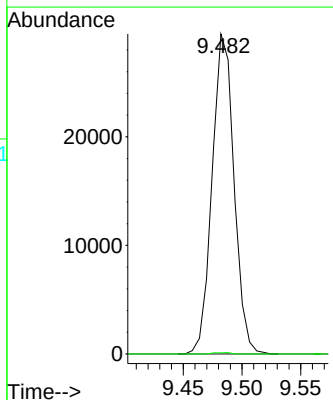
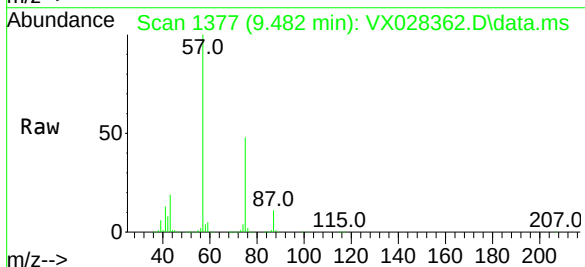
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-10D

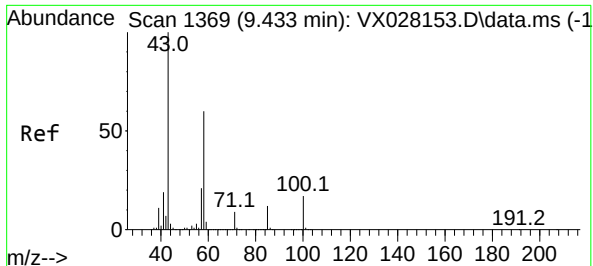
Tgt Ion: 75 Resp: 62060
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.8 37.2#
 39 27.7 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.208 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028362.D
 Acq: 26 Apr 2022 20:05

Tgt Ion: 76 Resp: 38211
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

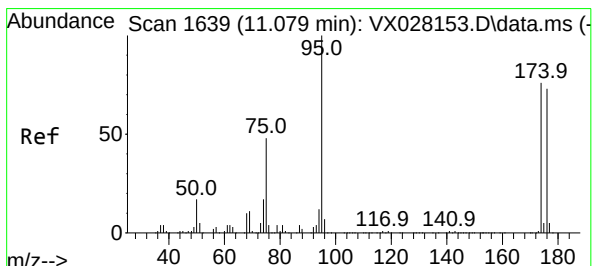
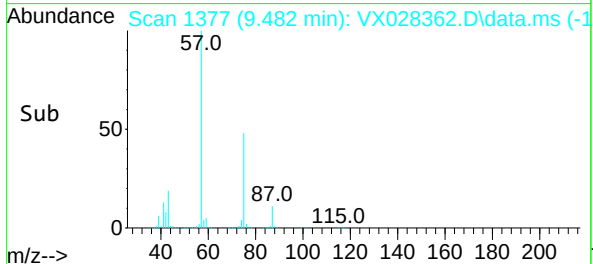
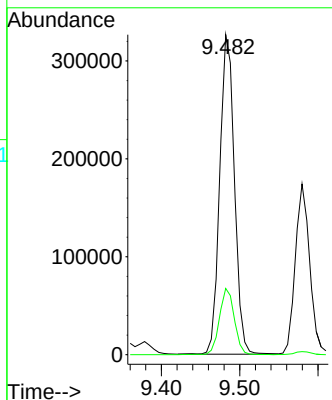
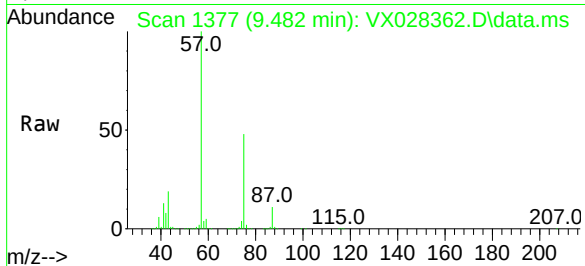




#59
2-Hexanone
Concen: 76.468 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

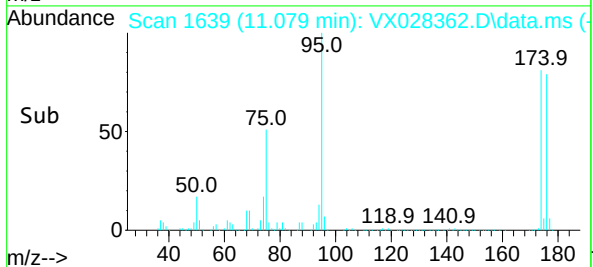
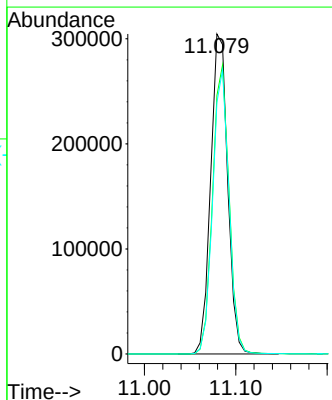
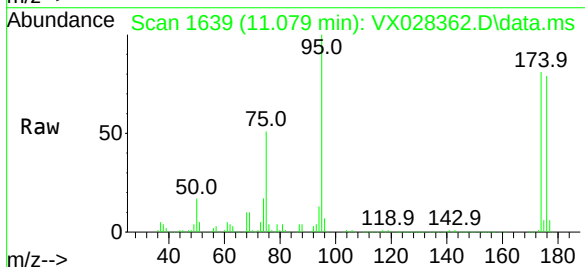
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

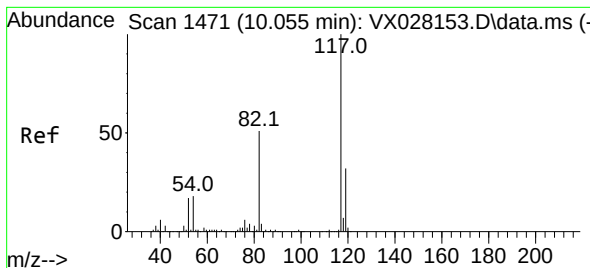
Tgt Ion: 43 Resp: 427383
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 51.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Tgt Ion: 95 Resp: 393047
Ion Ratio Lower Upper
95 100
174 87.9 0.0 163.0
176 85.4 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: VX028362.D

Acq: 26 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

MH-10D

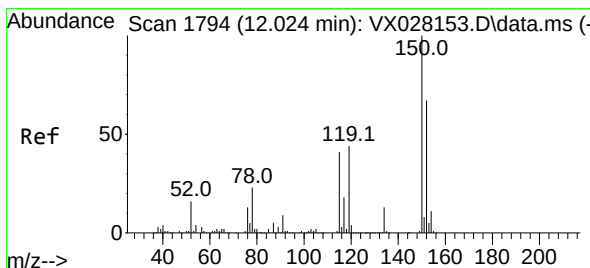
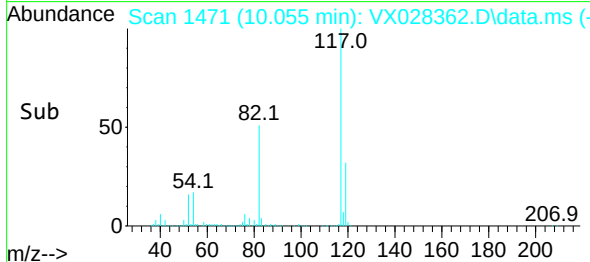
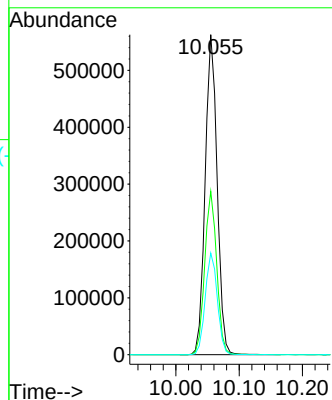
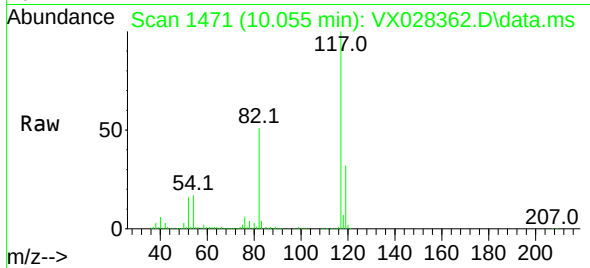
Tgt Ion:117 Resp: 741696

Ion Ratio Lower Upper

117 100

82 51.1 41.8 62.8

119 31.8 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: VX028362.D

Acq: 26 Apr 2022 20:05

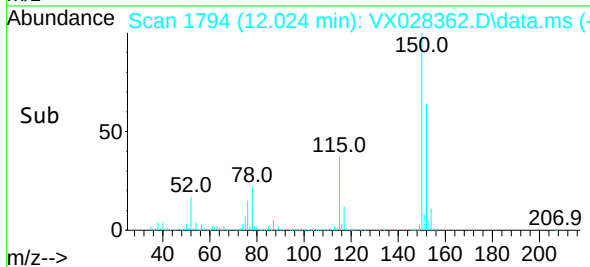
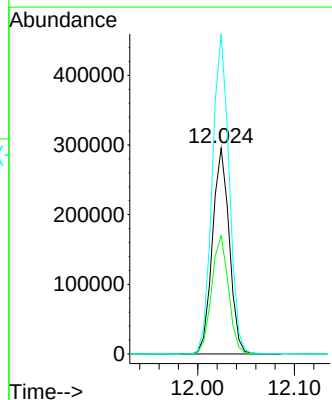
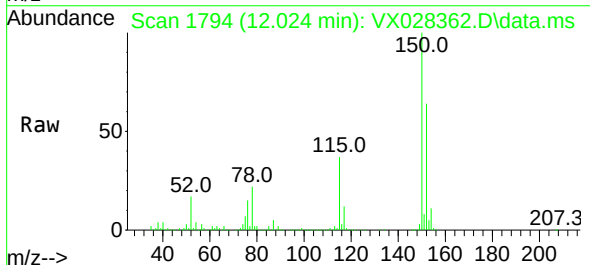
Tgt Ion:152 Resp: 357682

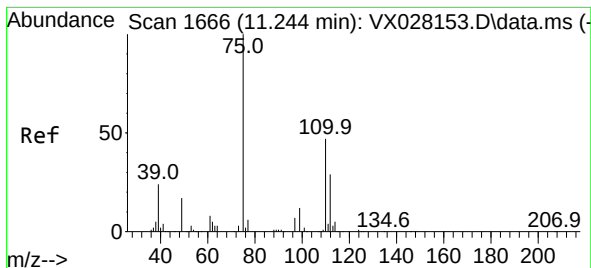
Ion Ratio Lower Upper

152 100

115 57.7 37.5 112.7

150 156.6 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 27.927 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028362.D

Acq: 26 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

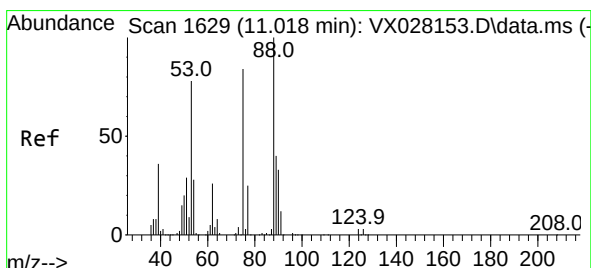
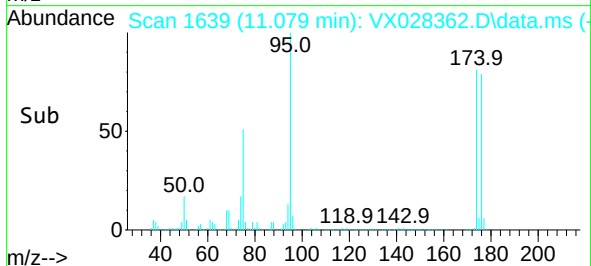
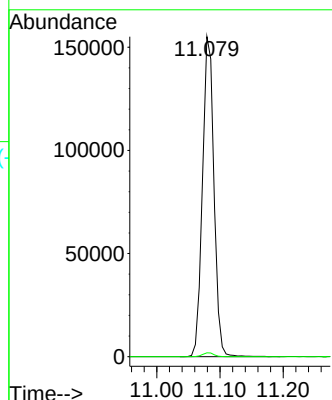
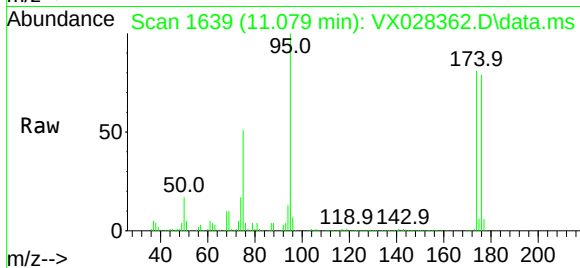
MH-10D

Tgt Ion: 75 Resp: 196589

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.991 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028362.D

Acq: 26 Apr 2022 20:05

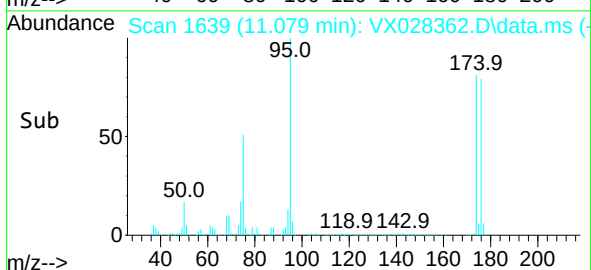
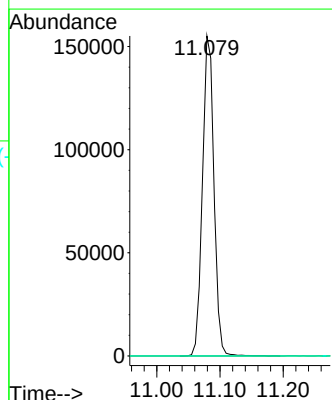
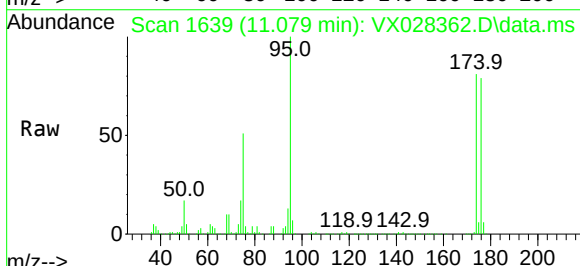
Tgt Ion: 75 Resp: 196589

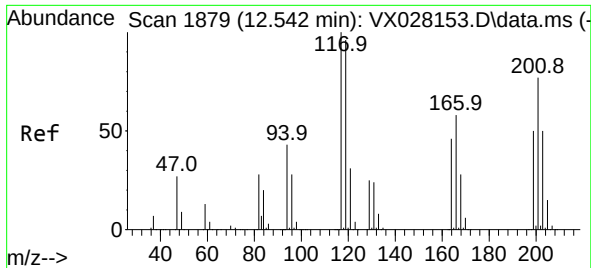
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#





#90
Hexachloroethane
Concen: 1.819 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.165 min
Lab File: VX028362.D
Acq: 26 Apr 2022 20:05

Instrument :
MSVOA_X
ClientSampleId :
MH-10D

Tgt Ion:117 Resp: 23
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

