

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028459.D
 Acq On : 30 Apr 2022 05:46
 Operator : JC/MD
 Sample : N2588-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1

Quant Time: Apr 30 09:24:31 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

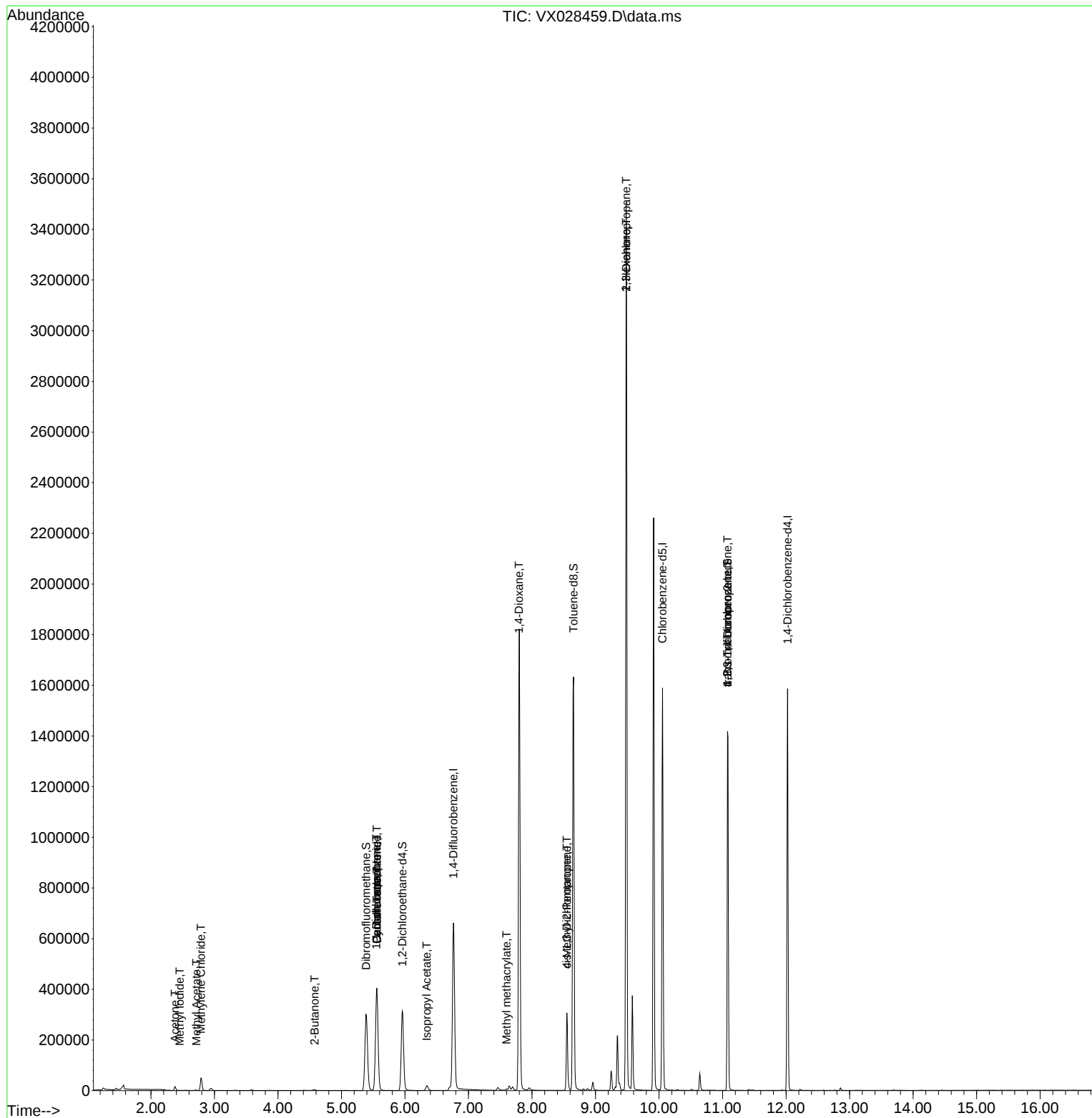
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	386732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	685932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	716581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	335336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	293087	58.123	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.240%
35) Dibromofluoromethane	5.385	113	259707	53.989	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.980%
50) Toluene-d8	8.653	98	1013529	54.857	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.720%
62) 4-Bromofluorobenzene	11.079	95	376179	53.250	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.500%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	346	Below Cal		97
5) Bromomethane	1.611	94	946	Below Cal		99
6) Chloroethane	1.654	64	506	Below Cal		90
8) Diethyl Ether	2.135	74	182	Below Cal	#	42
10) Methyl Iodide	2.453	142	242	5.285	ug/l #	85
11) Tert butyl alcohol	2.940	59	5085	Below Cal	#	72
16) Acetone	2.379	43	15787	8.904	ug/l	94
18) Methyl Acetate	2.715	43	2490	0.555	ug/l	97
20) Methylene Chloride	2.788	84	23489	6.278	ug/l	98
25) 2-Butanone	4.574	43	3725	1.247	ug/l	99
31) Cyclohexane	5.556	56	7831	1.275	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	28657	4.567	ug/l #	49
38) Carbon Tetrachloride	5.556	117	38599	5.449	ug/l #	17
43) Isopropyl Acetate	6.342	43	25887	2.498	ug/l	96
48) Methyl methacrylate	7.598	41	7218	1.517	ug/l #	7
49) 1,4-Dioxane	7.793	88	421	3.308	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	96270	14.478	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	50517	6.530	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	33518	4.005	ug/l #	43
59) 2-Hexanone	9.482	43	379030	73.587	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	184416	27.943	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	184416	83.040	ug/l #	15

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

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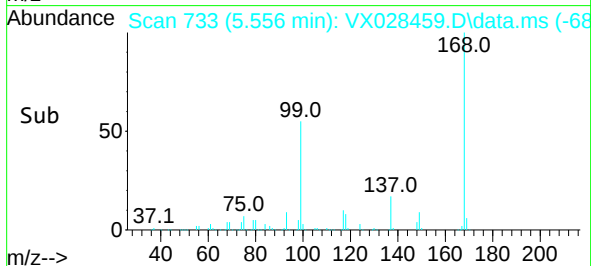
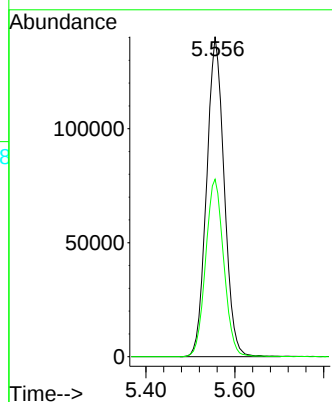
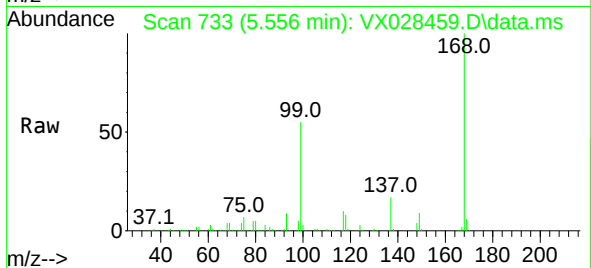




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

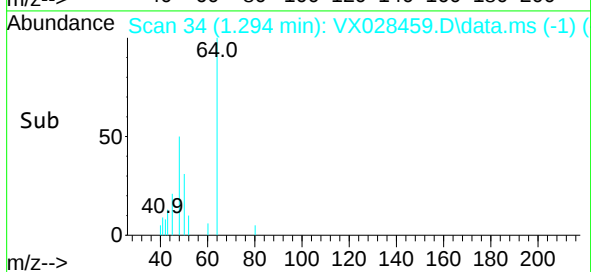
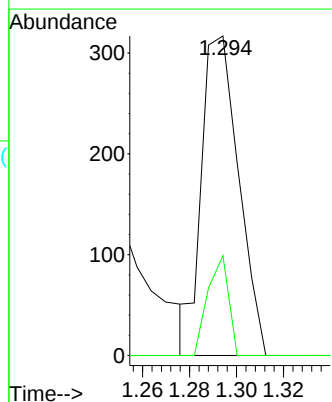
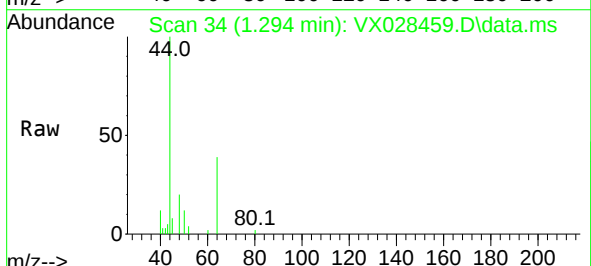
Instrument :
MSVOA_X
ClientSampleId :
MH-1

Tgt Ion:168 Resp: 386732
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion: 50 Resp: 346
Ion Ratio Lower Upper
50 100
52 31.2 26.4 39.6

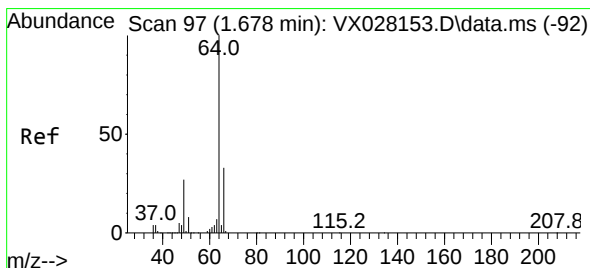
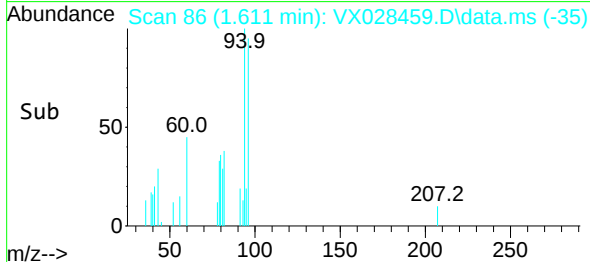
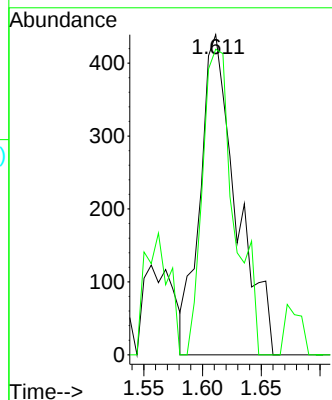
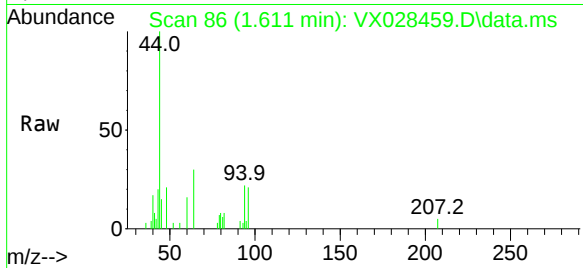




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

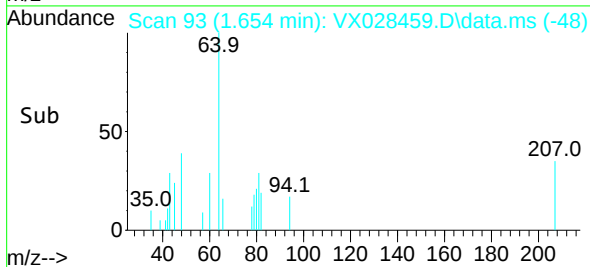
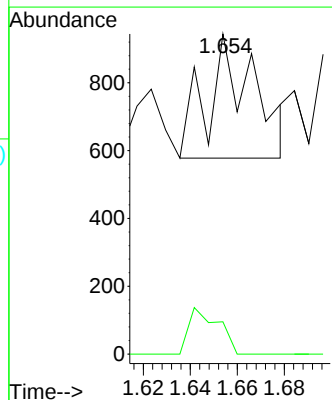
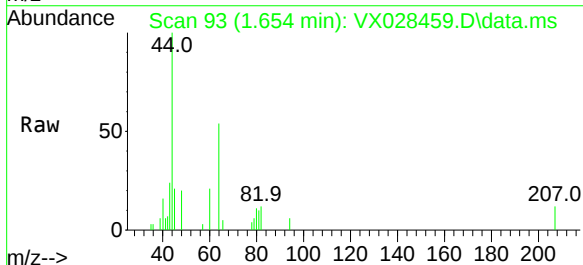
Instrument :
MSVOA_X
ClientSampleId :
MH-1

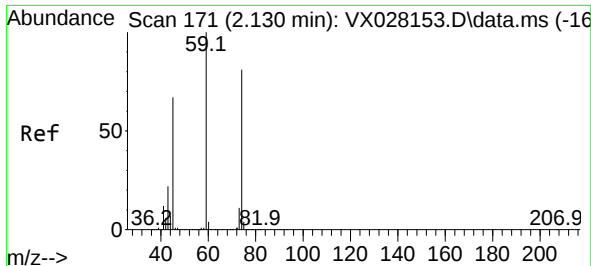
Tgt Ion: 94 Resp: 946
Ion Ratio Lower Upper
94 100
96 95.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion: 64 Resp: 506
Ion Ratio Lower Upper
64 100
66 26.0 25.3 37.9

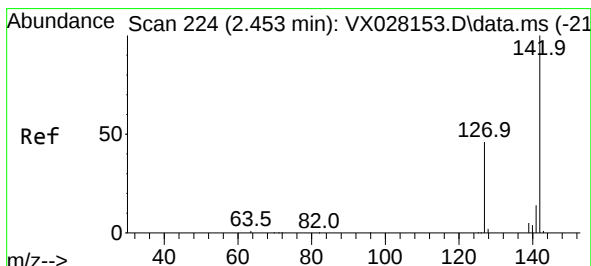
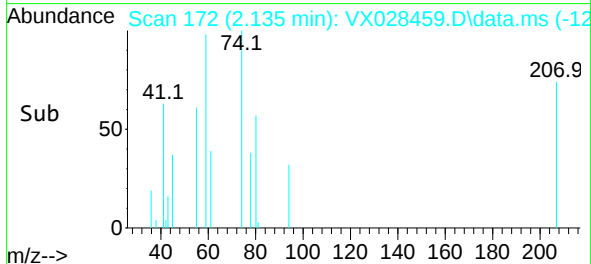
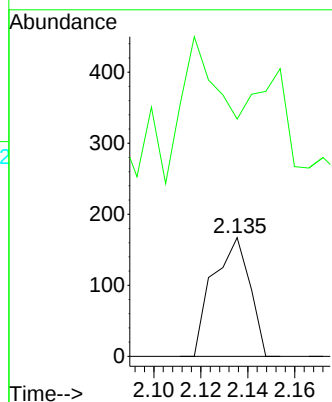
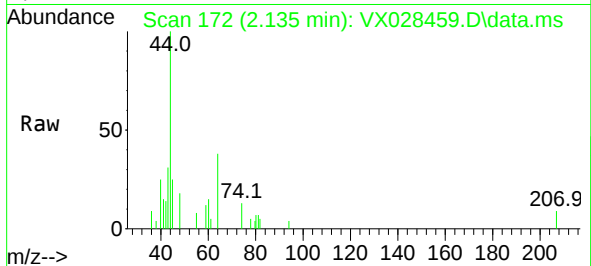




#8
Diethyl Ether
Concen: Below Cal
RT: 2.135 min Scan# 11
Delta R.T. 0.005 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

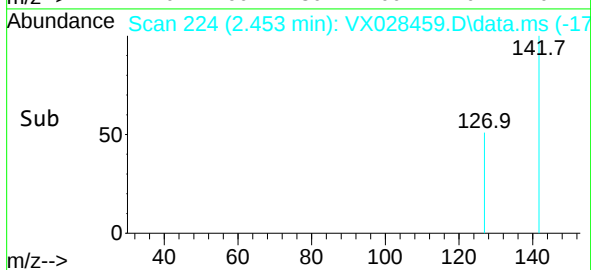
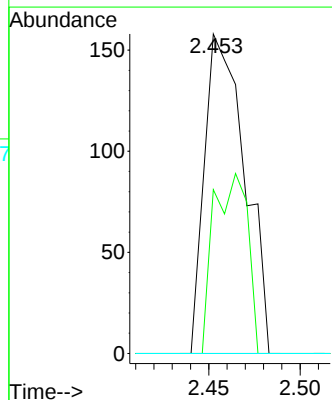
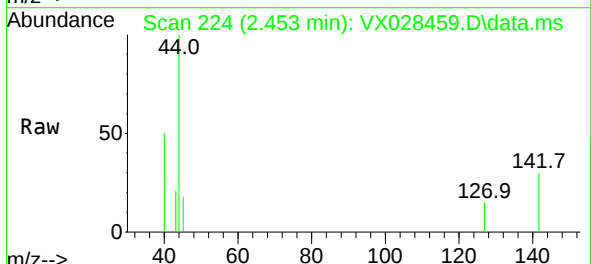
Instrument :
MSVOA_X
ClientSampleId :
MH-1

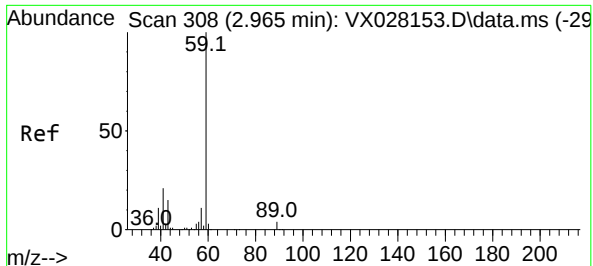
Tgt Ion: 74 Resp: 182
Ion Ratio Lower Upper
74 100
45 136.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.285 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion:142 Resp: 242
Ion Ratio Lower Upper
142 100
127 47.5 33.9 50.9
141 0.0 11.4 17.2#

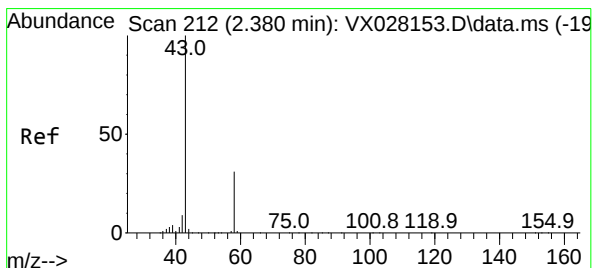
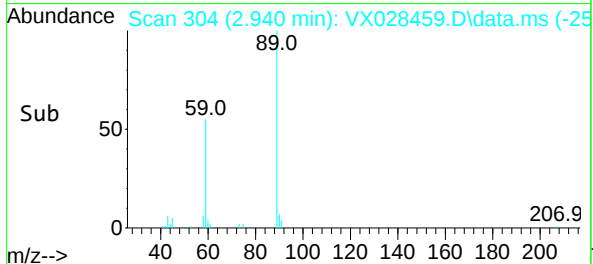
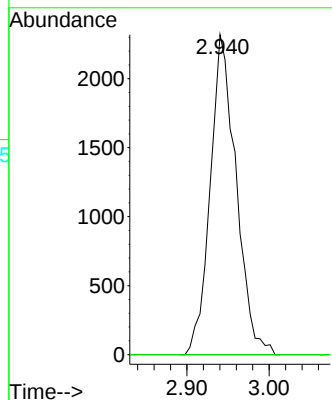
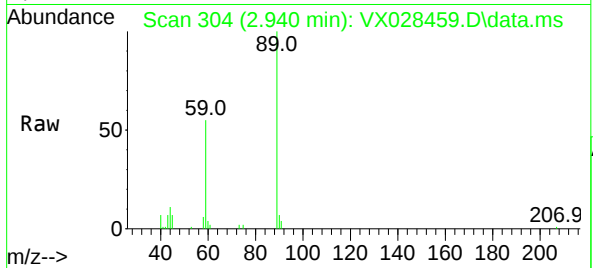




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

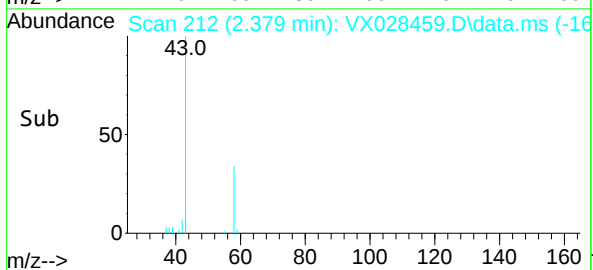
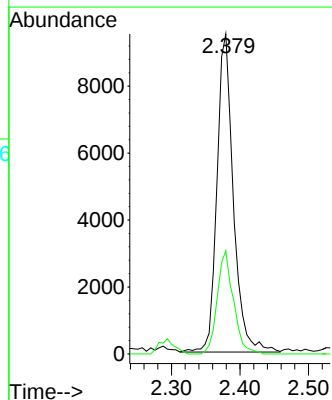
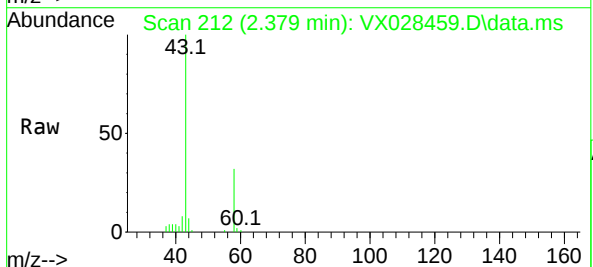
Instrument :
MSVOA_X
ClientSampleId :
MH-1

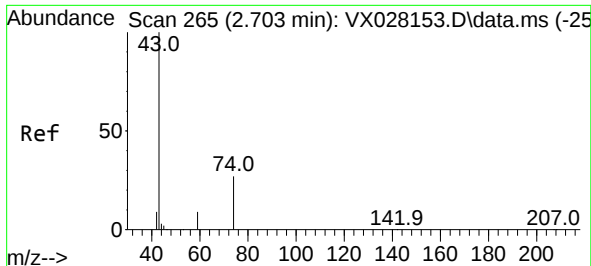
Tgt Ion: 59 Resp: 5085
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 8.904 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion: 43 Resp: 15787
Ion Ratio Lower Upper
43 100
58 32.5 28.8 43.2

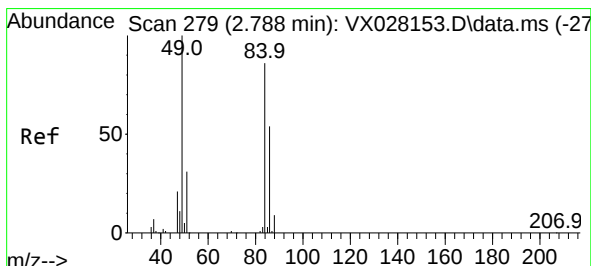
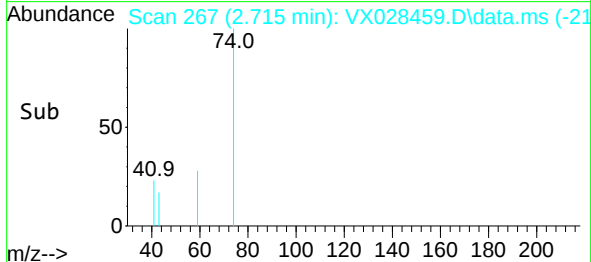
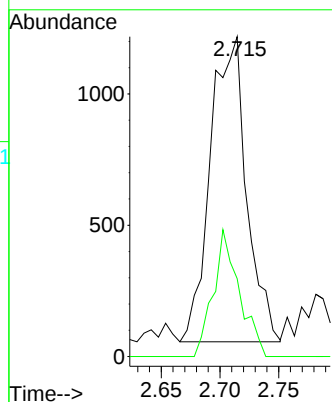
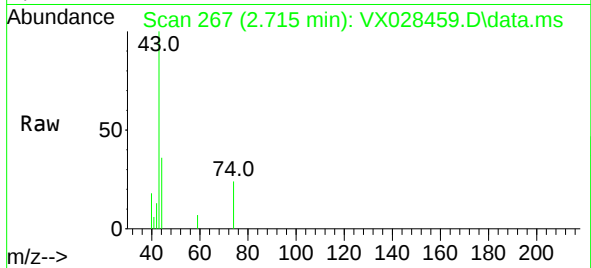




#18
Methyl Acetate
Concen: 0.555 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

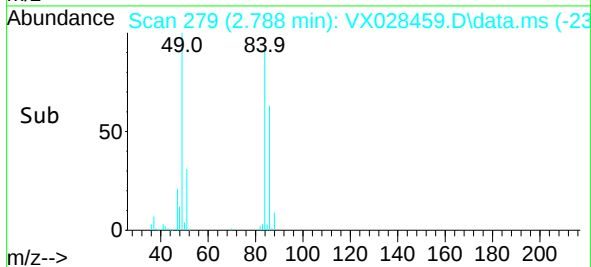
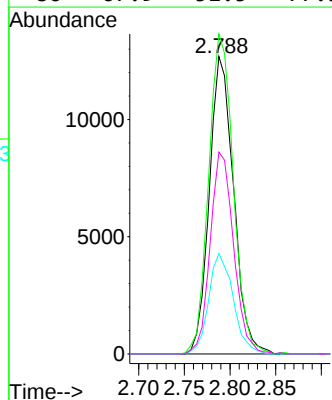
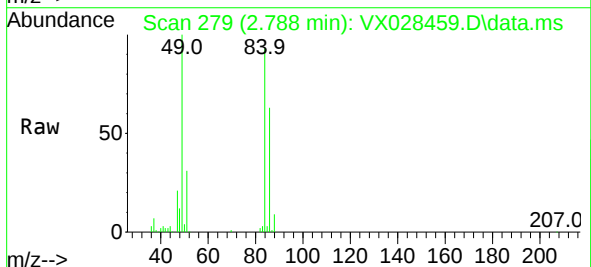
Instrument :
MSVOA_X
ClientSampleId :
MH-1

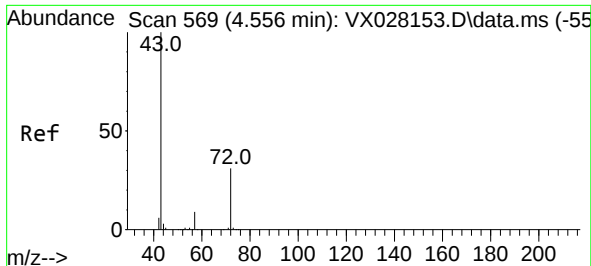
Tgt Ion: 43 Resp: 2490
Ion Ratio Lower Upper
43 100
74 29.8 22.8 34.2



#20
Methylene Chloride
Concen: 6.278 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion: 84 Resp: 23489
Ion Ratio Lower Upper
84 100
49 107.6 85.5 128.3
51 33.8 26.6 39.8
86 67.9 51.5 77.3





#25

2-Butanone

Concen: 1.247 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028459.D

Acq: 30 Apr 2022 05:46

Instrument :

MSVOA_X

ClientSampleId :

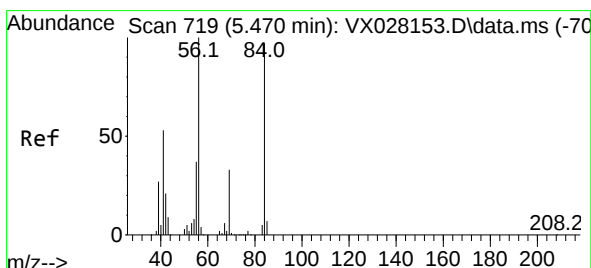
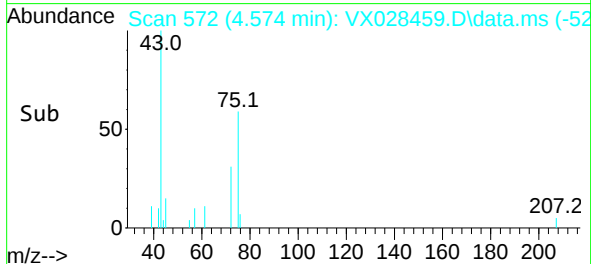
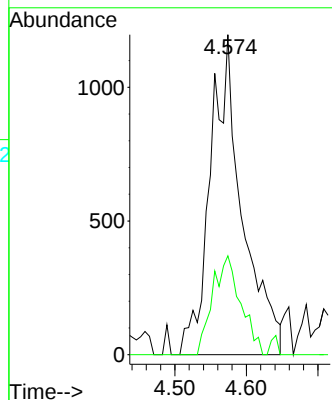
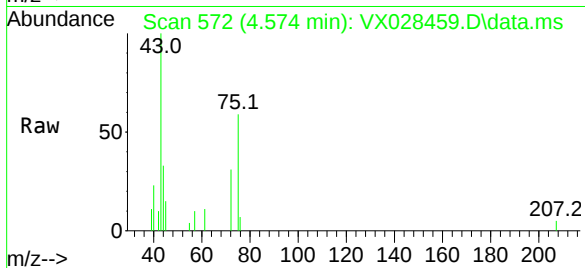
MH-1

Tgt Ion: 43 Resp: 3725

Ion Ratio Lower Upper

43 100

72 30.9 24.4 36.6



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028459.D

Acq: 30 Apr 2022 05:46

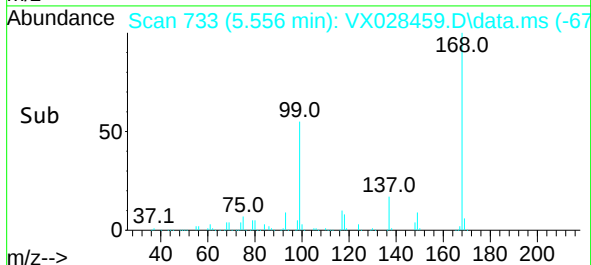
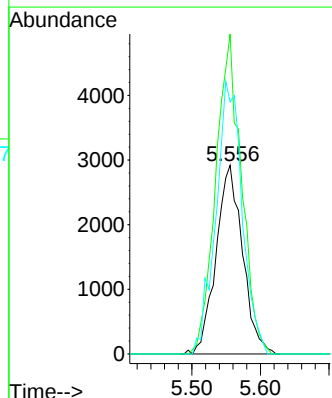
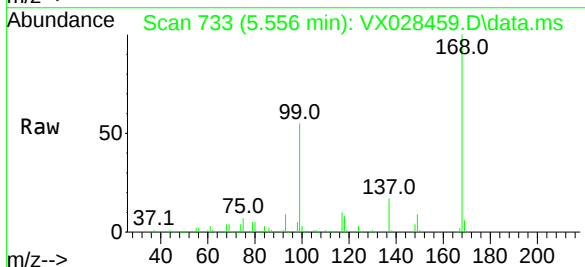
Tgt Ion: 56 Resp: 7831

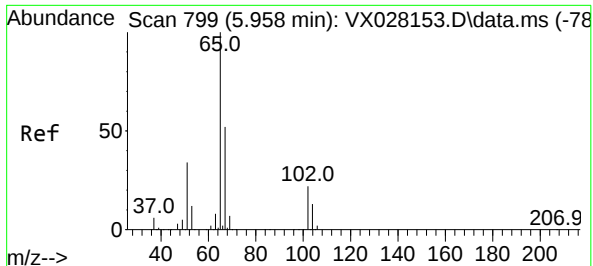
Ion Ratio Lower Upper

56 100

69 169.7 26.7 40.1#

84 133.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.123 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028459.D

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Instrument :

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ClientSampleId :

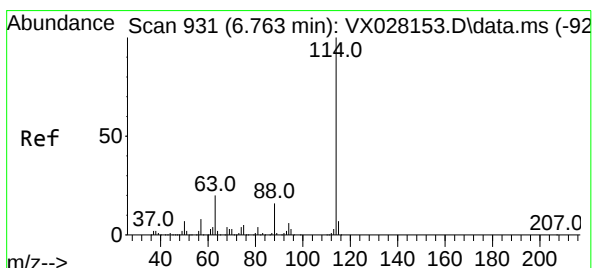
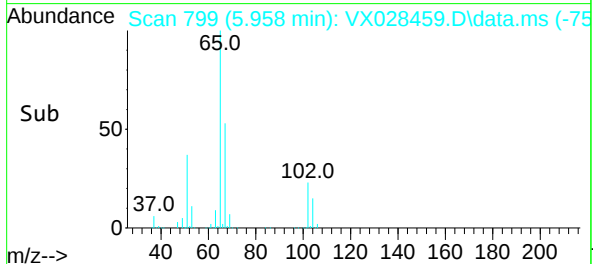
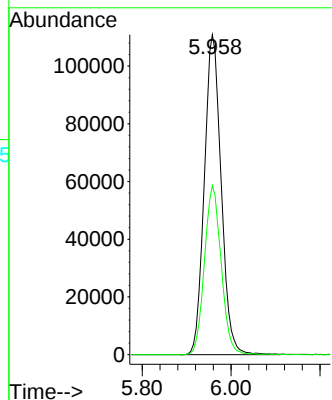
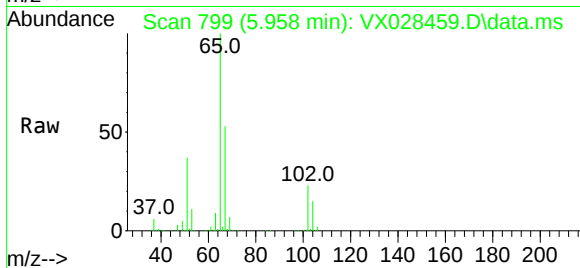
MH-1

Tgt Ion: 65 Resp: 293087

Ion Ratio Lower Upper

65 100

67 52.3 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: VX028459.D

Acq: 30 Apr 2022 05:46

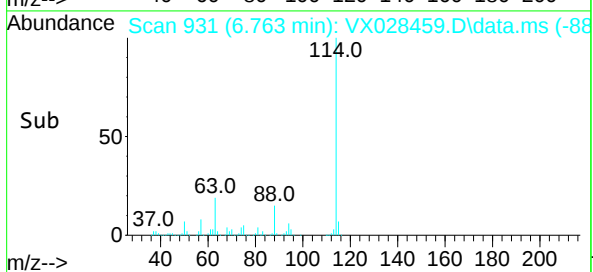
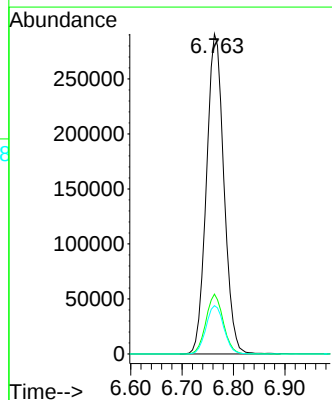
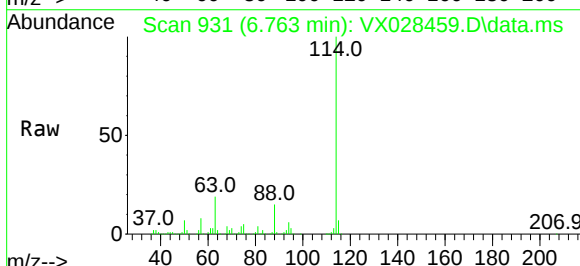
Tgt Ion: 114 Resp: 685932

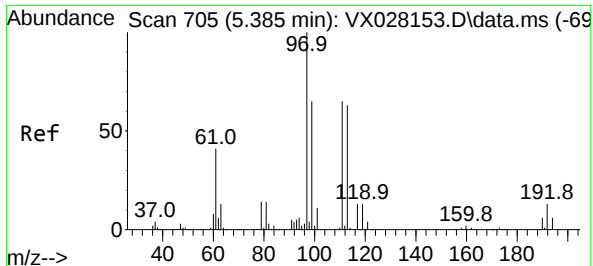
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 15.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.989 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX028459.D

Acq: 30 Apr 2022 05:46

Instrument :

MSVOA_X

ClientSampleId :

MH-1

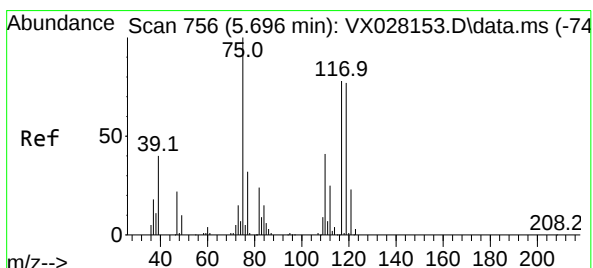
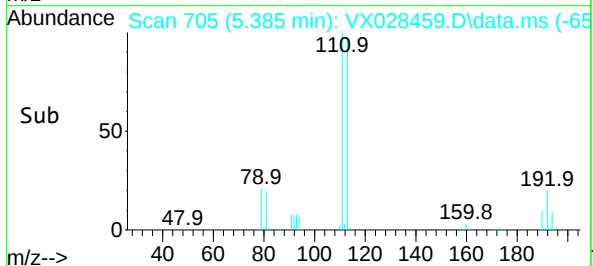
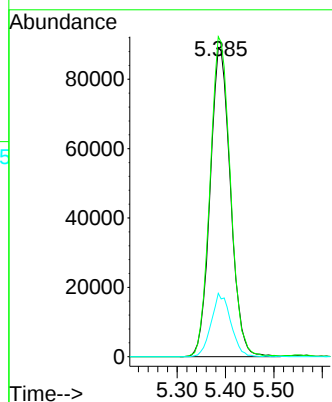
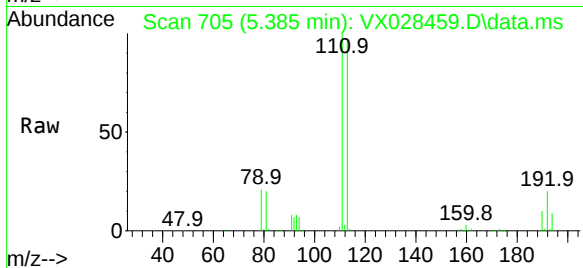
Tgt Ion:113 Resp: 259707

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.567 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028459.D

Acq: 30 Apr 2022 05:46

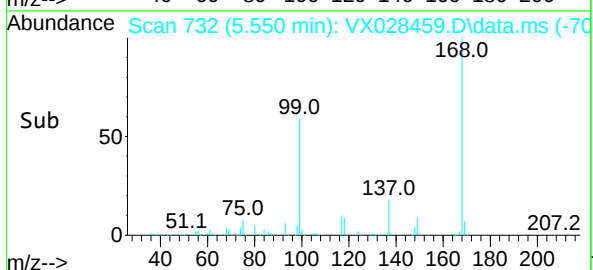
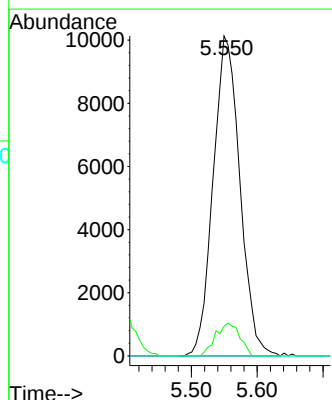
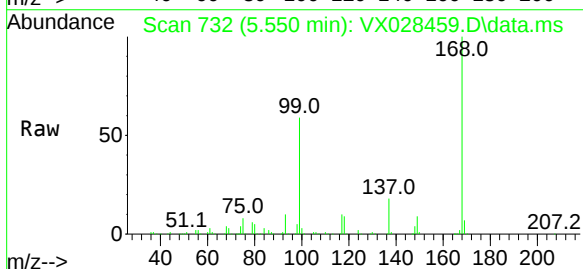
Tgt Ion: 75 Resp: 28657

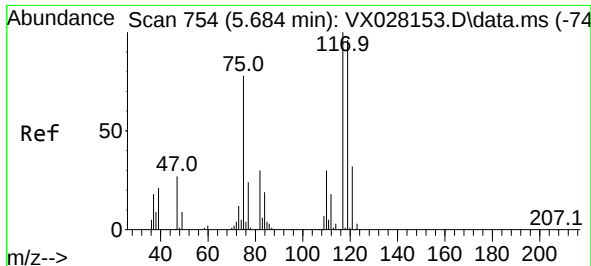
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 24.8 37.2#

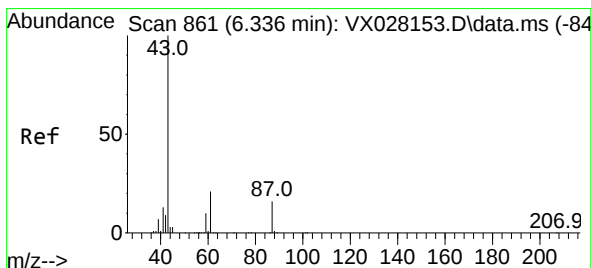
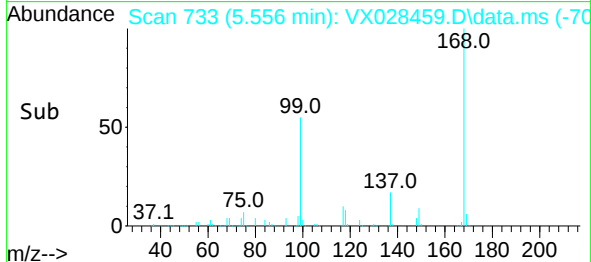
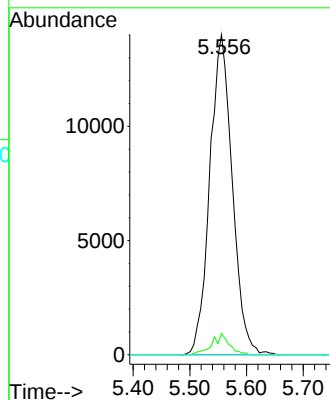
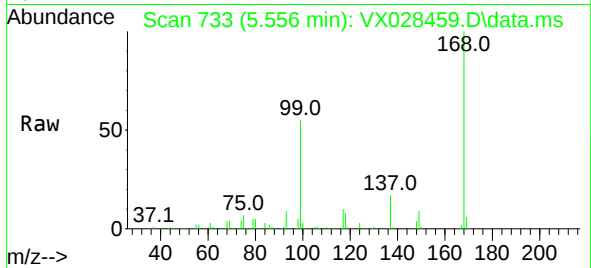




#38
Carbon Tetrachloride
Concen: 5.449 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

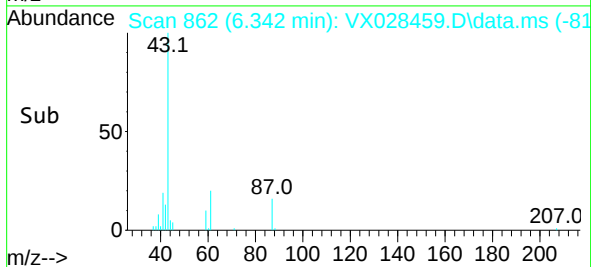
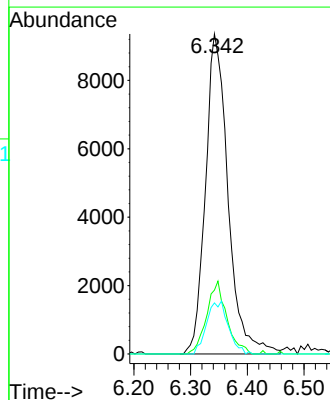
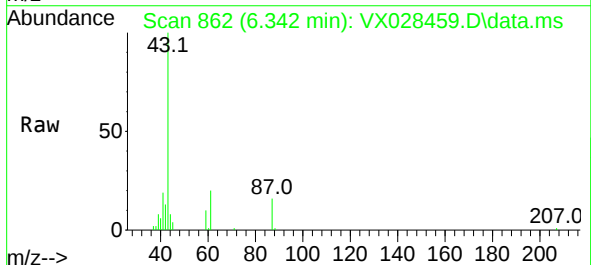
Instrument :
MSVOA_X
ClientSampleId :
MH-1

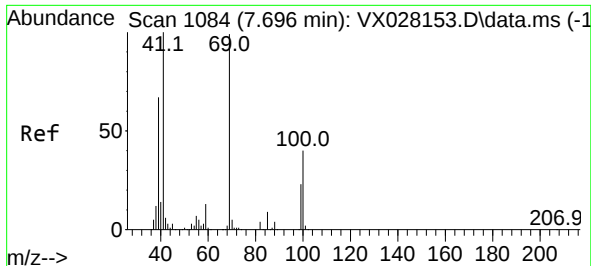
Tgt Ion:117 Resp: 38599
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.498 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

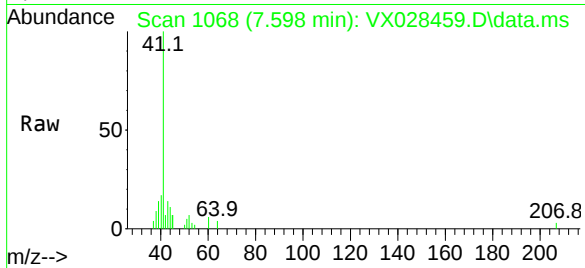
Tgt Ion: 43 Resp: 25887
Ion Ratio Lower Upper
43 100
61 20.2 18.5 27.7
87 15.7 13.0 19.6



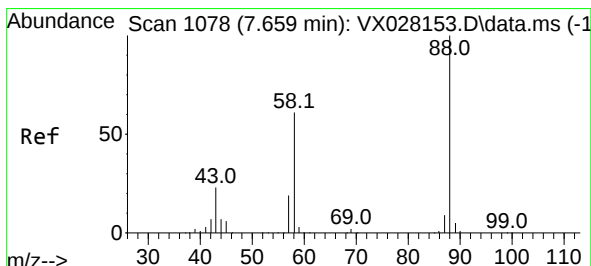
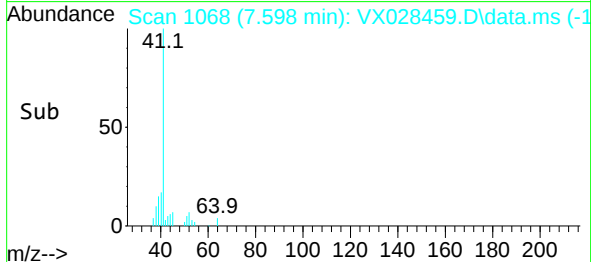
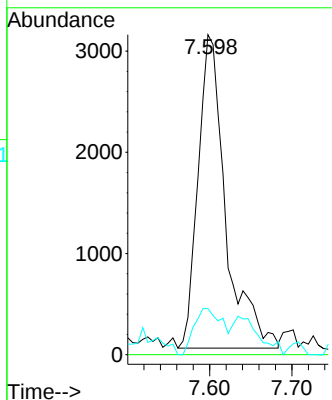


#48
Methyl methacrylate
Concen: 1.517 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Instrument :
MSVOA_X
ClientSampleId :
MH-1

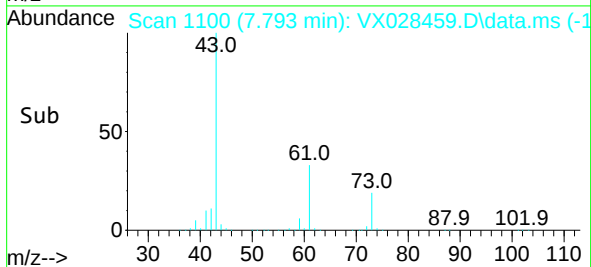
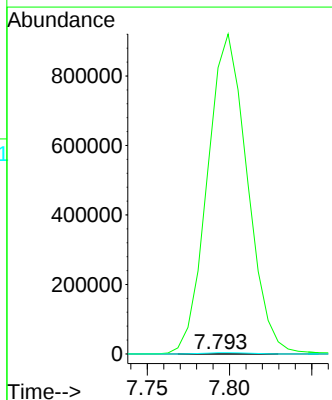
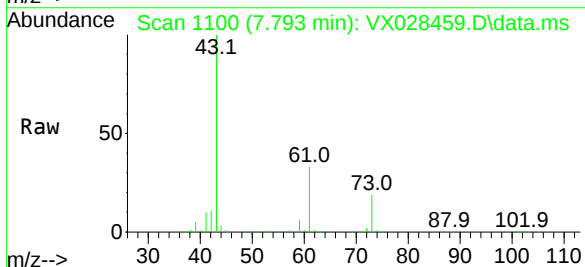


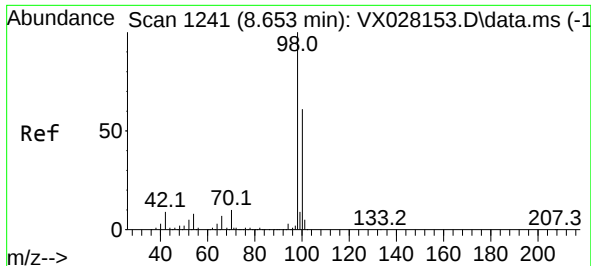
Tgt Ion: 41 Resp: 7218
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.308 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion: 88 Resp: 421
Ion Ratio Lower Upper
88 100
43 371363.7 21.9 32.9#
58 1686.0 53.7 80.5#

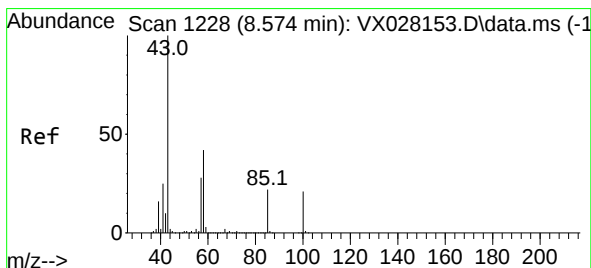
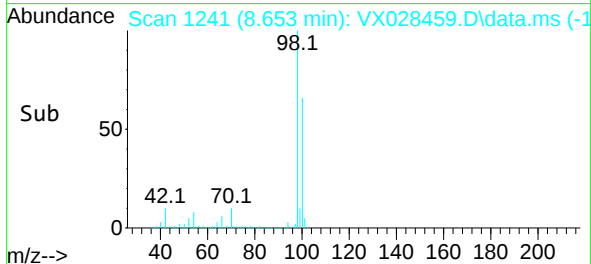
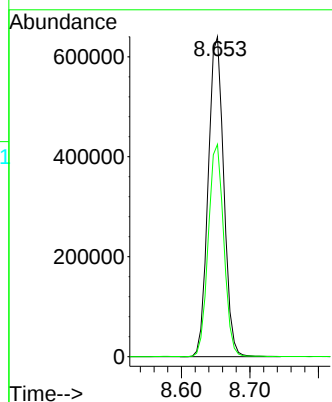
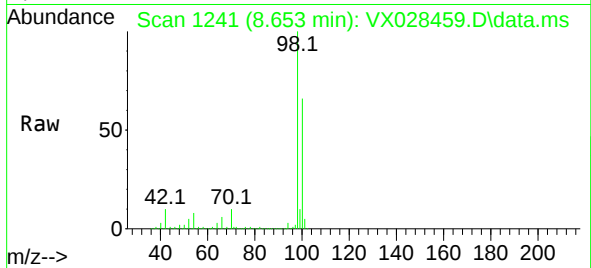




#50
Toluene-d8
Concen: 54.857 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

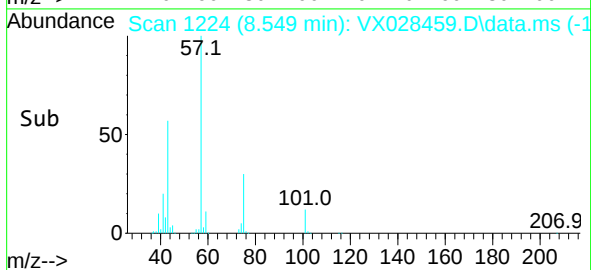
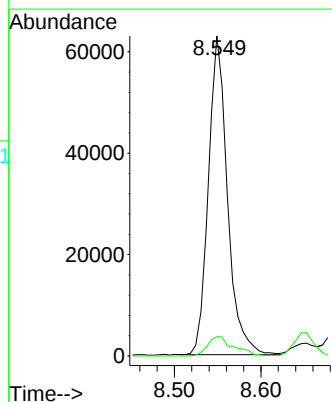
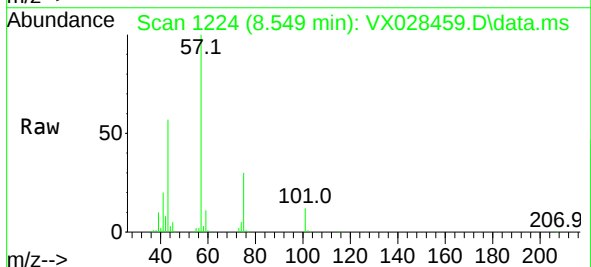
Instrument :
MSVOA_X
ClientSampleId :
MH-1

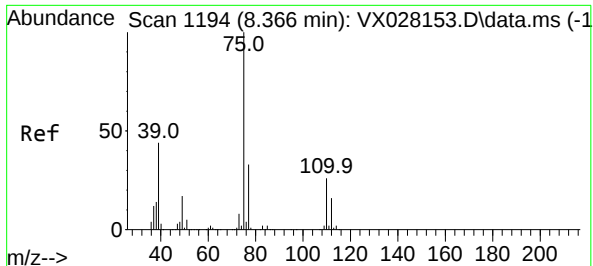
Tgt Ion: 98 Resp: 1013529
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.478 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion: 43 Resp: 96270
Ion Ratio Lower Upper
43 100
58 8.4 36.1 54.1#

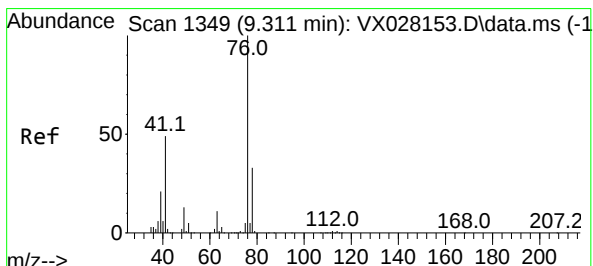
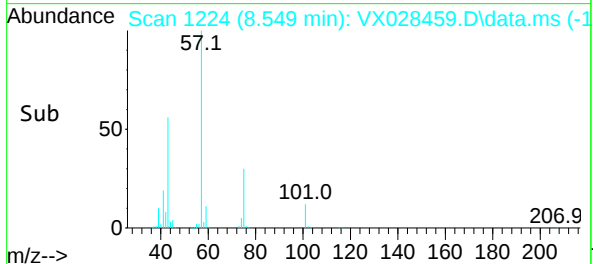
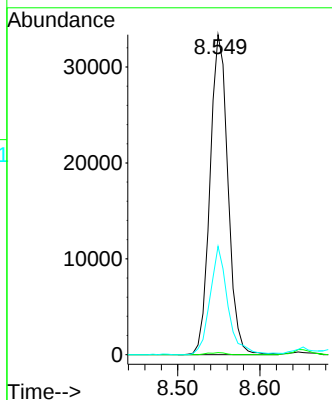
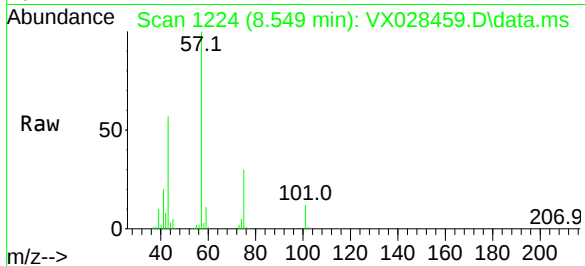




#54
 cis-1,3-Dichloropropene
 Concen: 6.530 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028459.D
 Acq: 30 Apr 2022 05:46

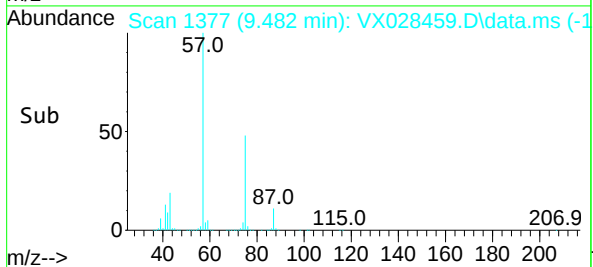
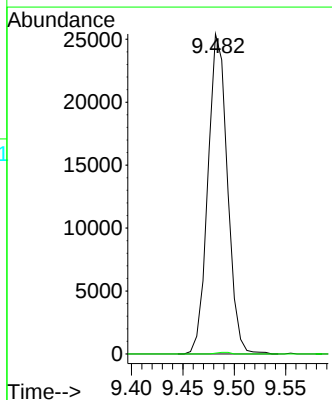
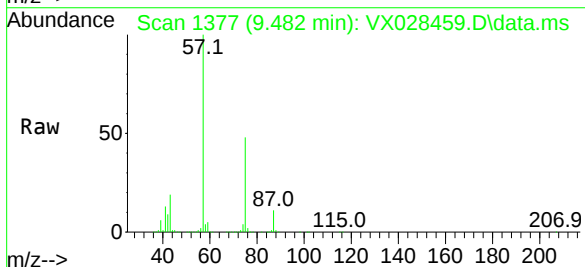
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1

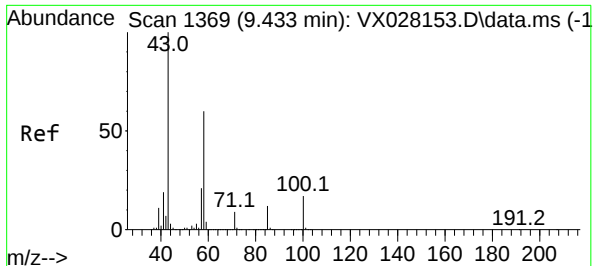
Tgt Ion: 75 Resp: 50517
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 33.8 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.005 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028459.D
 Acq: 30 Apr 2022 05:46

Tgt Ion: 76 Resp: 33518
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 73.587 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028459.D

Acq: 30 Apr 2022 05:46

Instrument :

MSVOA_X

ClientSampleId :

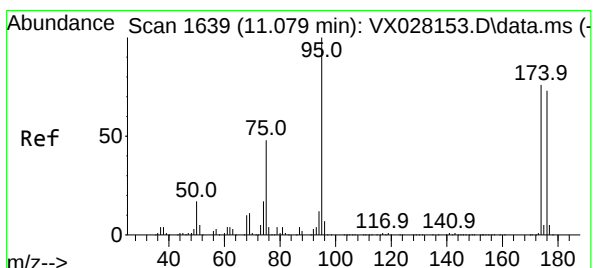
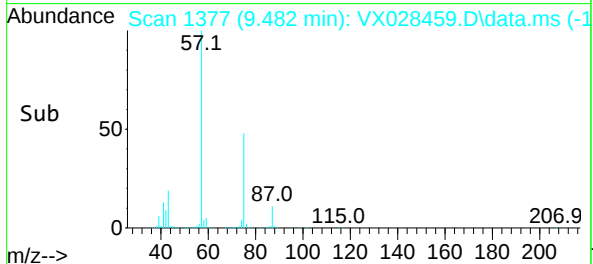
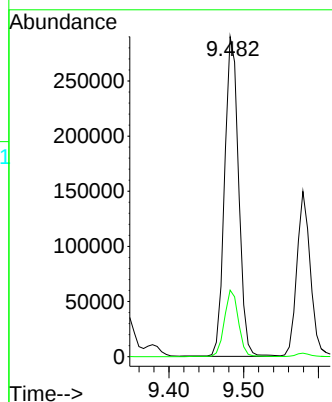
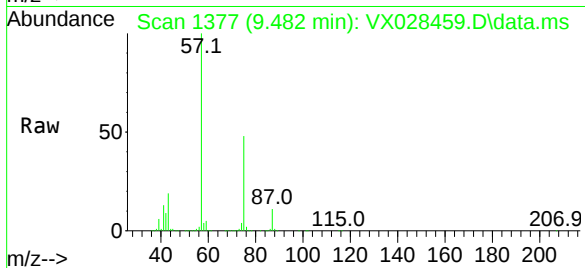
MH-1

Tgt Ion: 43 Resp: 379030

Ion Ratio Lower Upper

43 100

58 20.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 53.250 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX028459.D

Acq: 30 Apr 2022 05:46

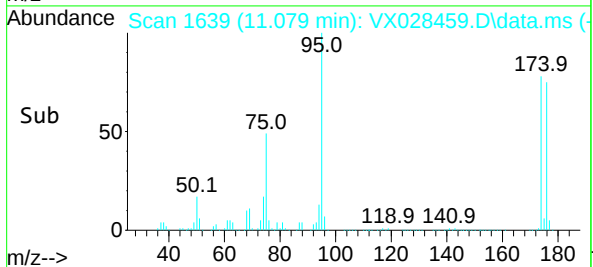
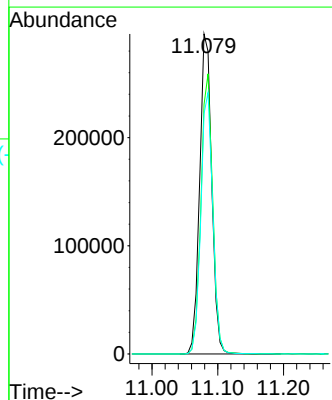
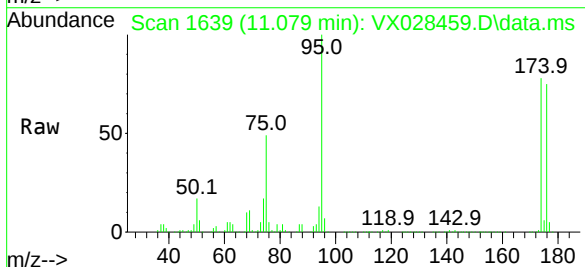
Tgt Ion: 95 Resp: 376179

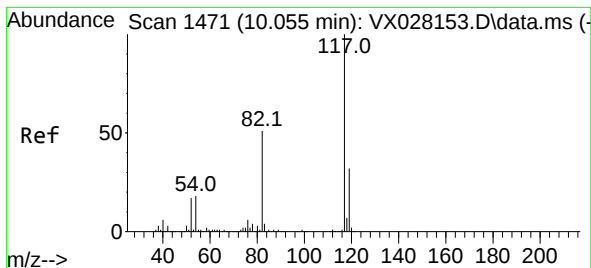
Ion Ratio Lower Upper

95 100

174 85.6 0.0 163.0

176 81.4 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: VX028459.D

Acq: 30 Apr 2022 05:46

Instrument :

MSVOA_X

ClientSampleId :

MH-1

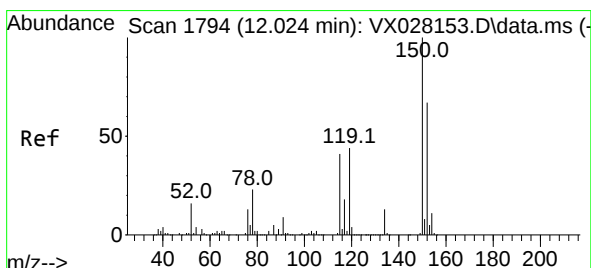
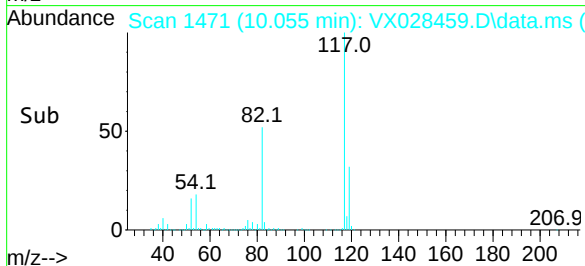
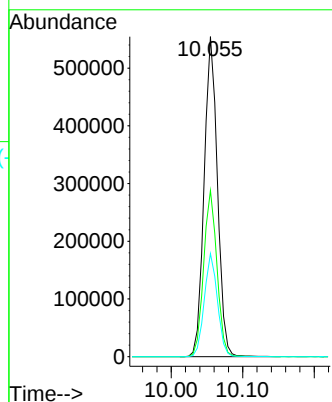
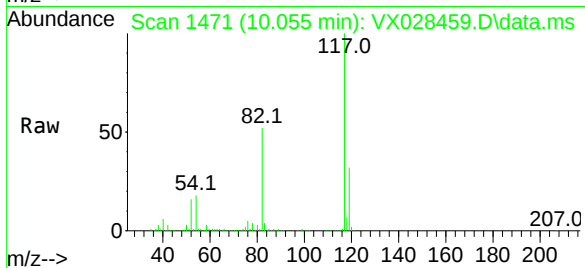
Tgt Ion:117 Resp: 716581

Ion Ratio Lower Upper

117 100

82 52.0 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: VX028459.D

Acq: 30 Apr 2022 05:46

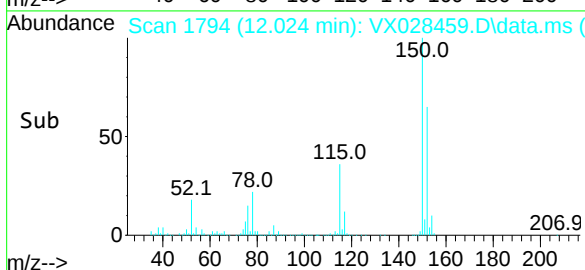
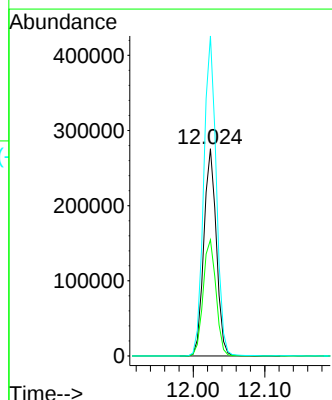
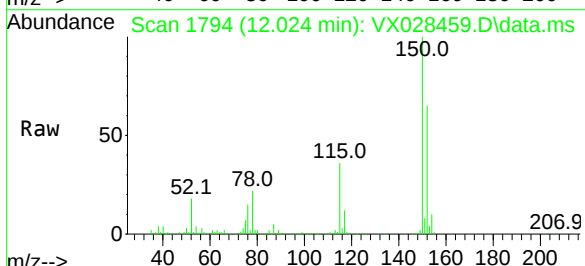
Tgt Ion:152 Resp: 335336

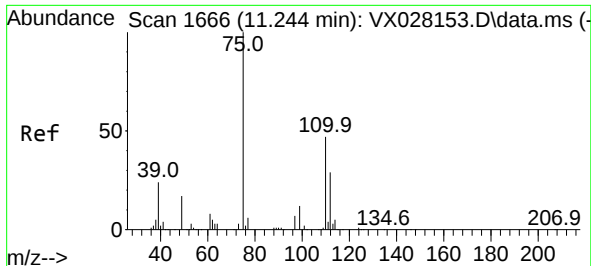
Ion Ratio Lower Upper

152 100

115 57.6 37.5 112.7

150 154.8 0.0 338.2

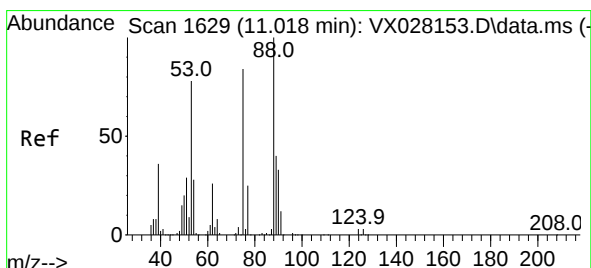
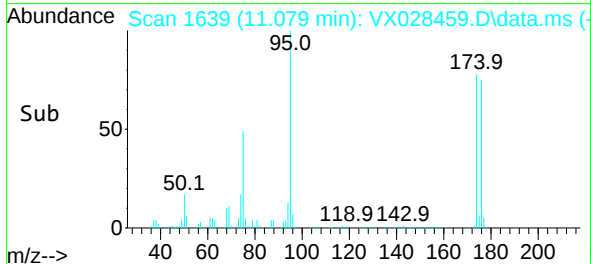
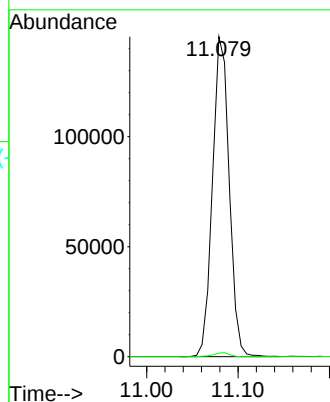
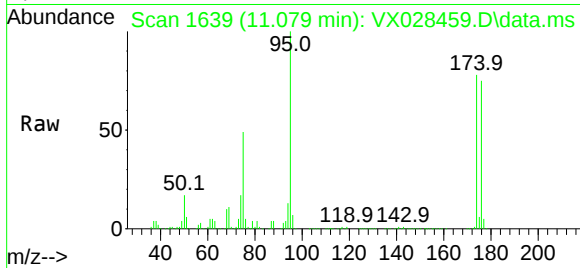




#76
1,2,3-Trichloropropane
Concen: 27.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Instrument :
MSVOA_X
ClientSampleId :
MH-1

Tgt Ion: 75 Resp: 184416
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.040 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028459.D
Acq: 30 Apr 2022 05:46

Tgt Ion: 75 Resp: 184416
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

