

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028460.D
 Acq On : 30 Apr 2022 06:09
 Operator : JC/MD
 Sample : N2588-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-2

Quant Time: Apr 30 09:24:47 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)

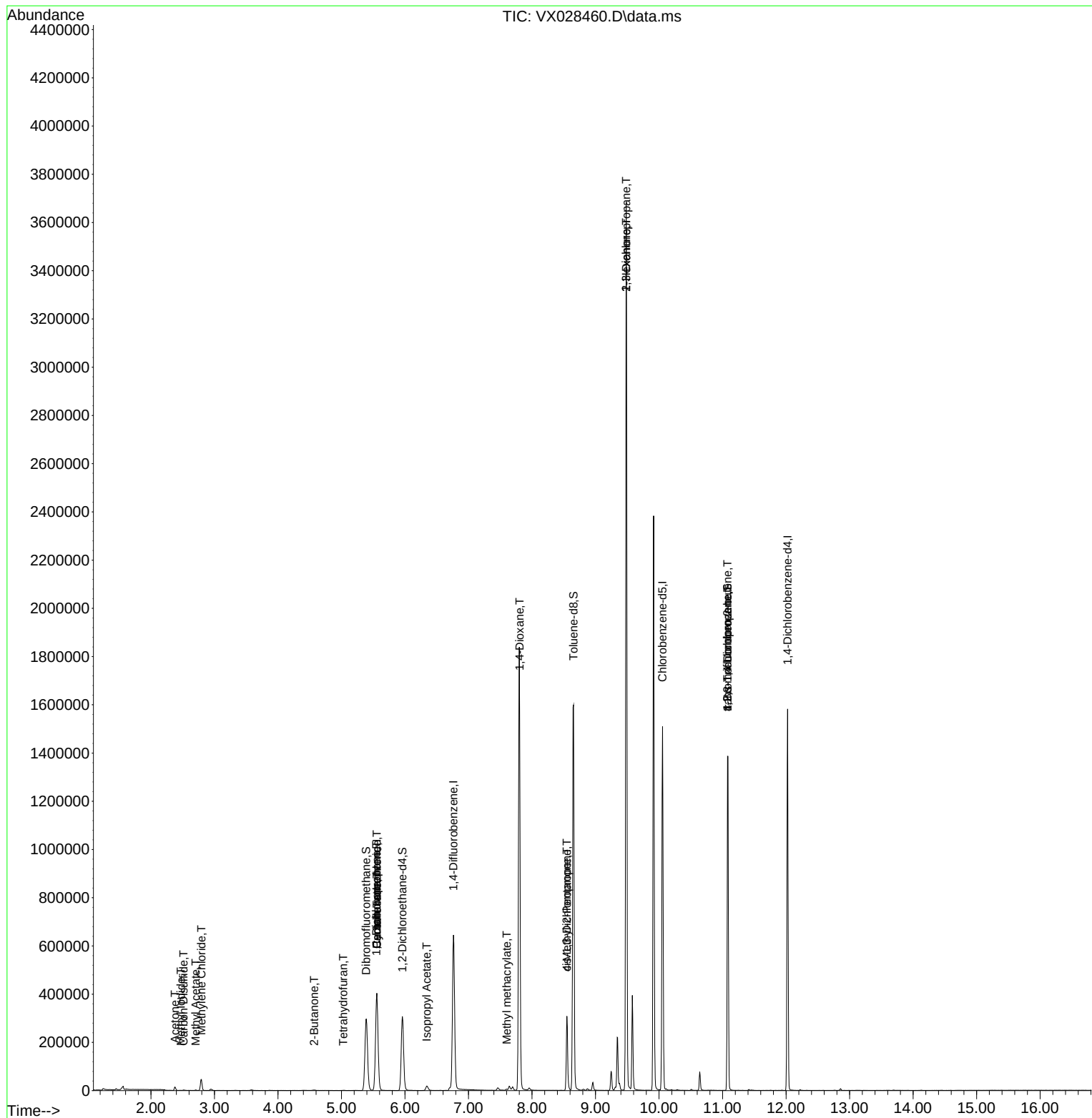
Internal Standards						
1) Pentafluorobenzene	5.556	168	382699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	670005	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	700808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	327386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	292620	58.642	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 117.280%			
35) Dibromofluoromethane	5.385	113	258898	55.100	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.200%			
50) Toluene-d8	8.653	98	993724	55.064	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.120%			
62) 4-Bromofluorobenzene	11.079	95	371103	53.781	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.560%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	316	Below Cal		97
5) Bromomethane	1.605	94	806	Below Cal	#	50
6) Chloroethane	1.666	64	210	Below Cal	#	43
8) Diethyl Ether	2.124	74	101	Below Cal	#	7
10) Methyl Iodide	2.471	142	220	5.281 ug/l	#	67
11) Tert butyl alcohol	2.947	59	3173	Below Cal	#	72
16) Acetone	2.380	43	14833	8.383 ug/l		93
17) Carbon Disulfide	2.514	76	2138	0.270 ug/l	#	90
18) Methyl Acetate	2.703	43	2640	0.595 ug/l		90
20) Methylene Chloride	2.794	84	21821	5.894 ug/l		97
25) 2-Butanone	4.568	43	2396	0.811 ug/l		97
29) Tetrahydrofuran	5.025	42	599	0.311 ug/l	#	52
31) Cyclohexane	5.556	56	7650	1.258 ug/l	#	1
36) 1,1-Dichloropropene	5.550	75	28815	4.701 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	38983	5.634 ug/l	#	15
43) Isopropyl Acetate	6.342	43	25382	2.508 ug/l		99
48) Methyl methacrylate	7.604	41	7717	1.661 ug/l	#	7
49) 1,4-Dioxane	7.805	88	229	1.842 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	98498	15.165 ug/l	#	44
54) cis-1,3-Dichloropropene	8.549	75	51889	6.867 ug/l	#	71
57) 1,3-Dichloropropane	9.482	76	34081	4.169 ug/l	#	43
59) 2-Hexanone	9.482	43	389410	77.399 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	181348	28.146 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	181348	83.642 ug/l	#	15

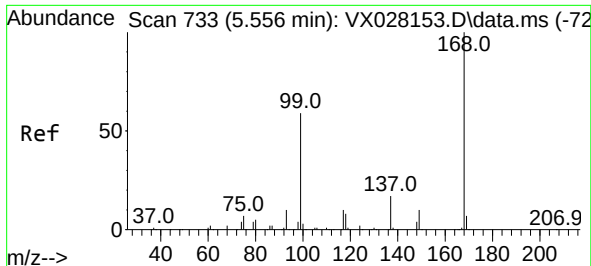
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

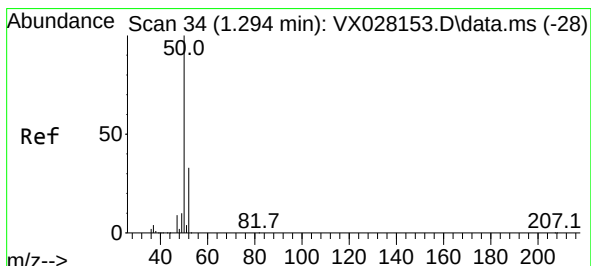
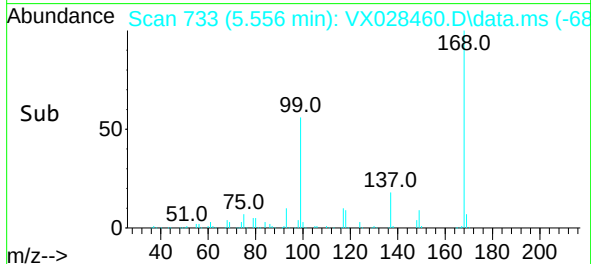
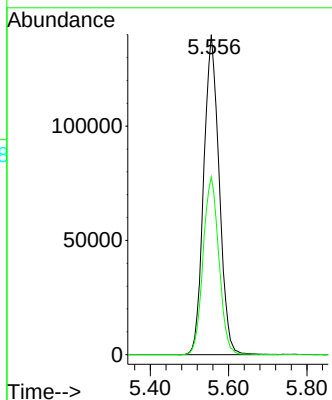
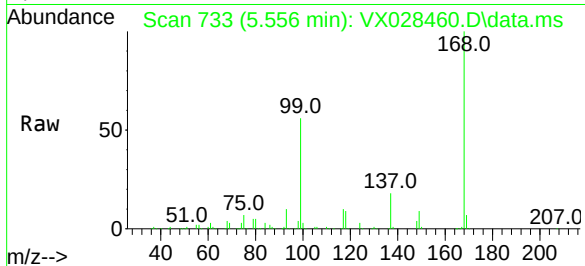




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

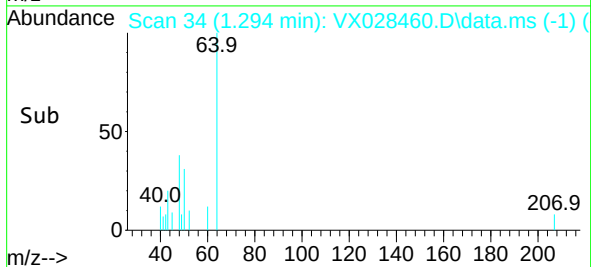
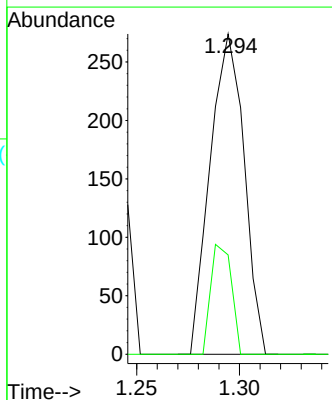
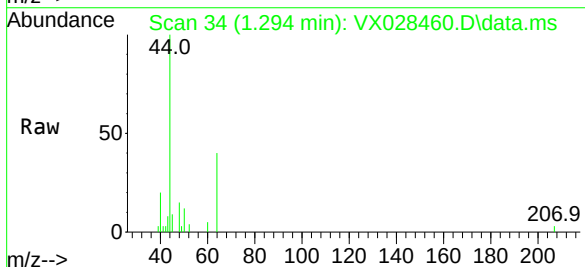
Instrument :
MSVOA_X
ClientSampleId :
MH-2

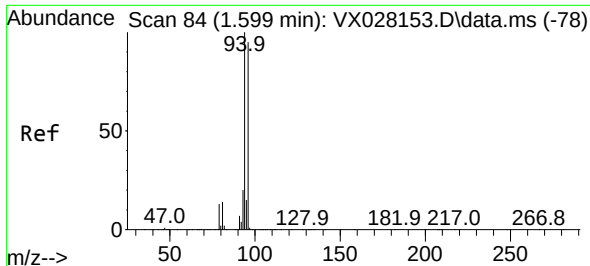
Tgt Ion:168 Resp: 382699
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion: 50 Resp: 316
Ion Ratio Lower Upper
50 100
52 31.0 26.4 39.6

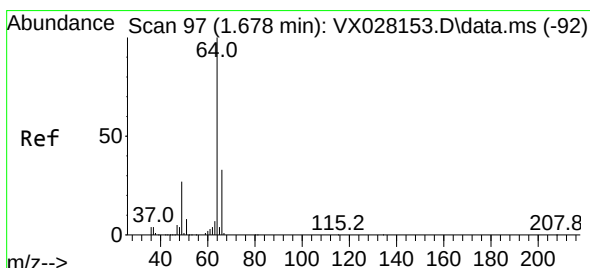
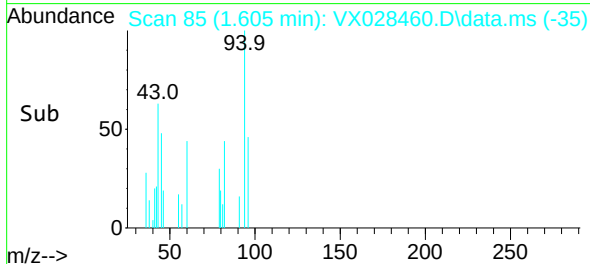
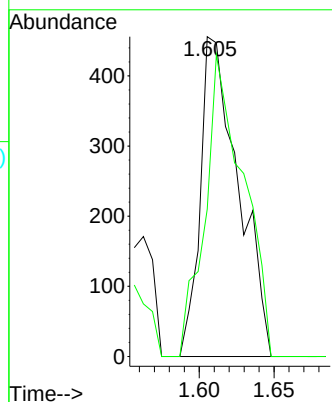
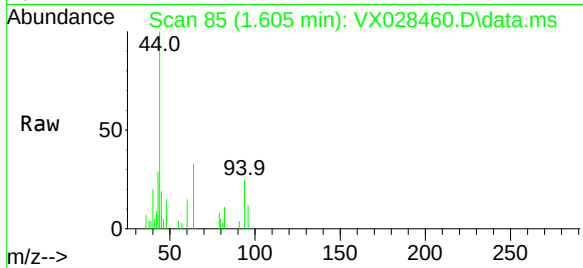




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

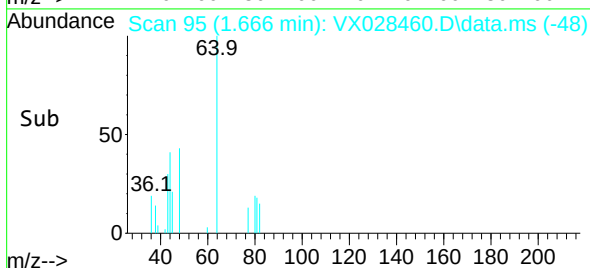
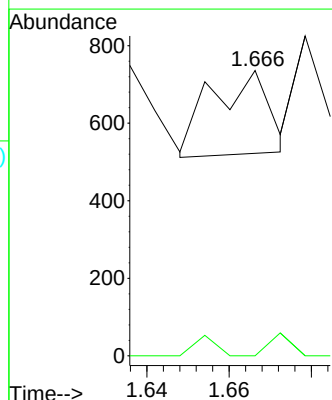
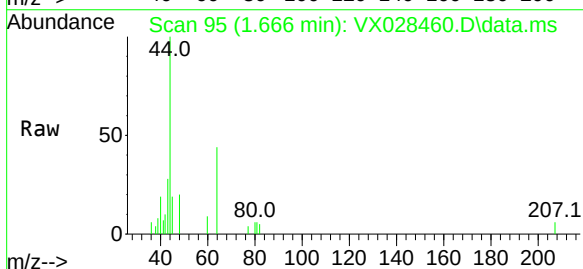
Instrument :
MSVOA_X
ClientSampleId :
MH-2

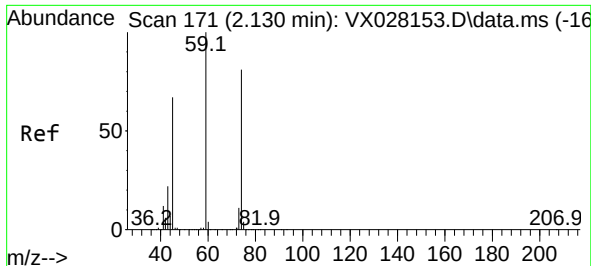
Tgt Ion: 94 Resp: 806
Ion Ratio Lower Upper
94 100
96 46.1 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

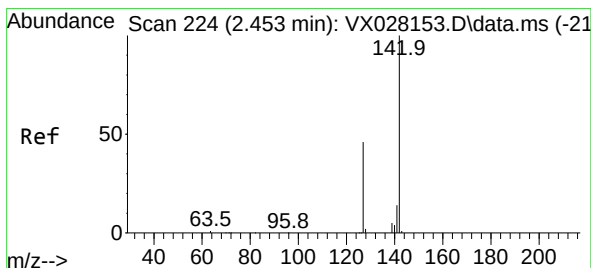
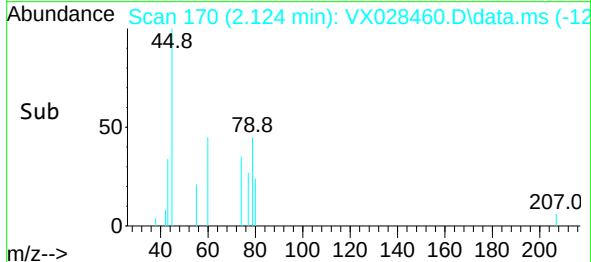
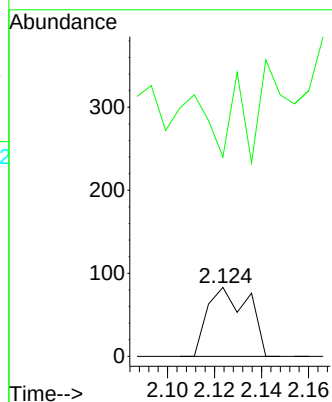
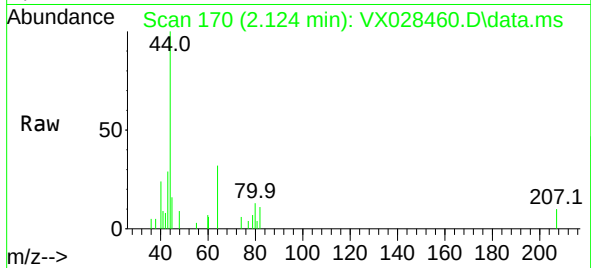




#8
Diethyl Ether
Concen: Below Cal
RT: 2.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

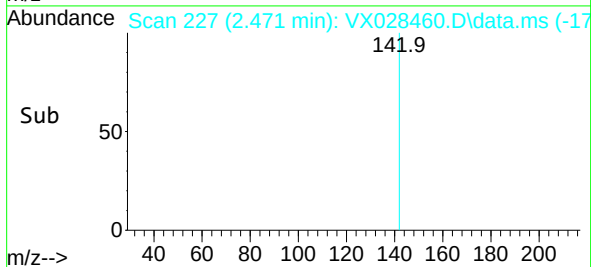
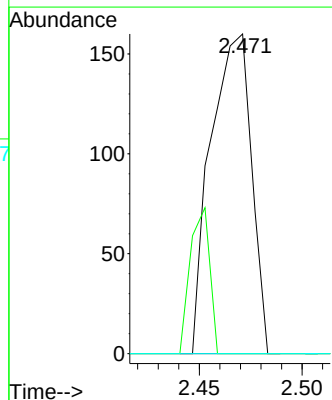
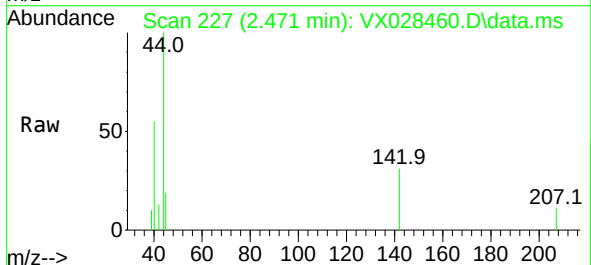
Instrument :
MSVOA_X
ClientSampleId :
MH-2

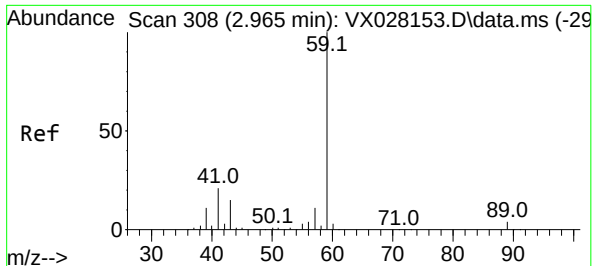
Tgt Ion: 74 Resp: 101
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.281 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion:142 Resp: 220
Ion Ratio Lower Upper
142 100
127 21.8 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: VX028460.D

Acq: 30 Apr 2022 06:09

Instrument :

MSVOA_X

ClientSampleId :

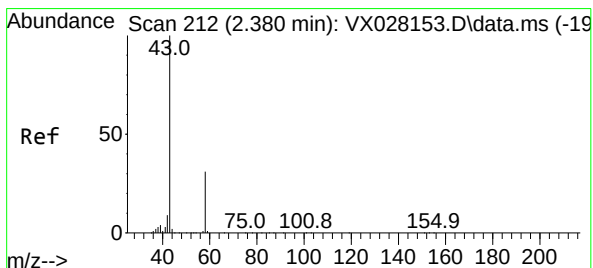
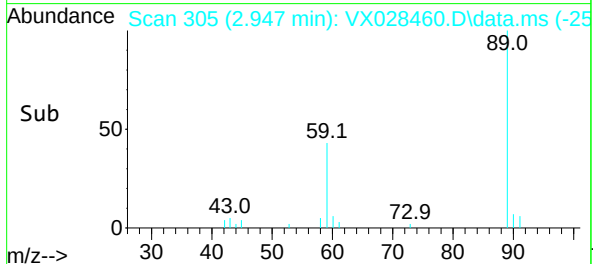
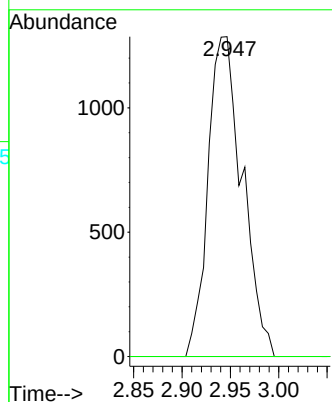
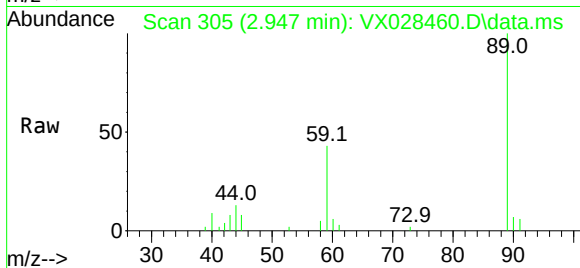
MH-2

Tgt Ion: 59 Resp: 3173

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 8.383 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028460.D

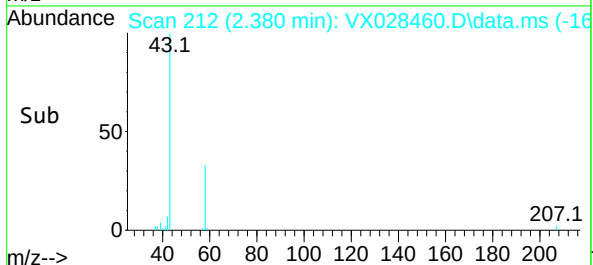
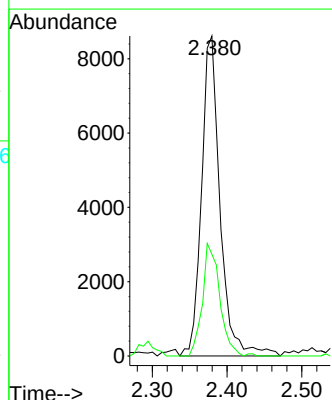
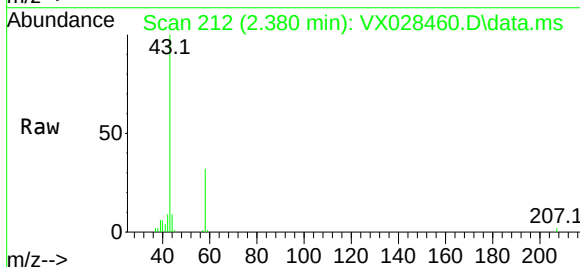
Acq: 30 Apr 2022 06:09

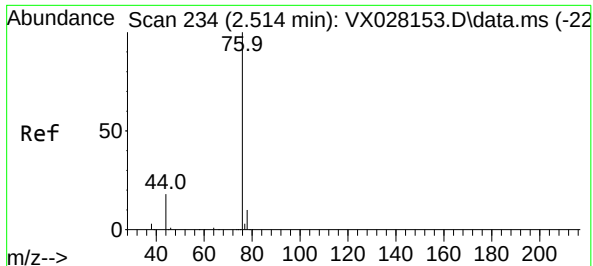
Tgt Ion: 43 Resp: 14833

Ion Ratio Lower Upper

43 100

58 31.8 28.8 43.2





#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 2.514 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VX028460.D

Acq: 30 Apr 2022 06:09

Instrument :

MSVOA_X

ClientSampleId :

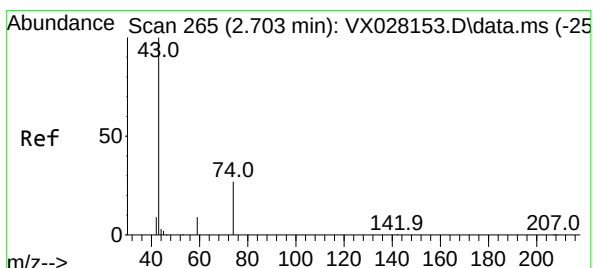
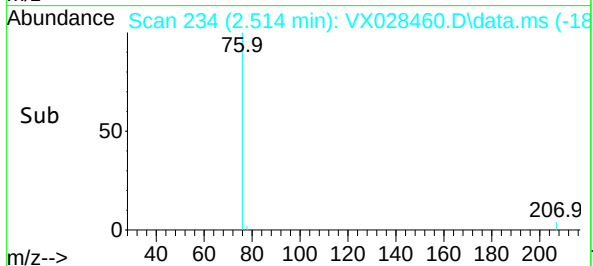
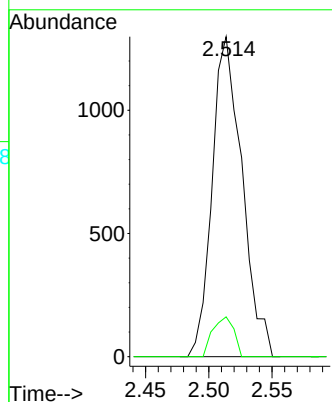
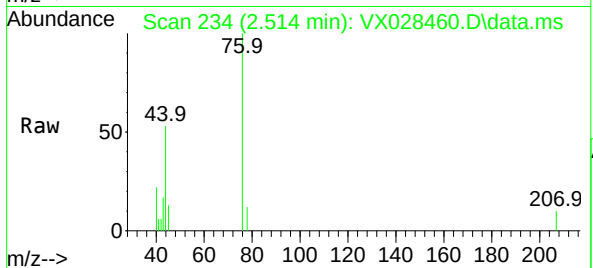
MH-2

Tgt Ion: 76 Resp: 2138

Ion Ratio Lower Upper

76 100

78 12.5 7.2 10.8#



#18

Methyl Acetate

Concen: 0.595 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX028460.D

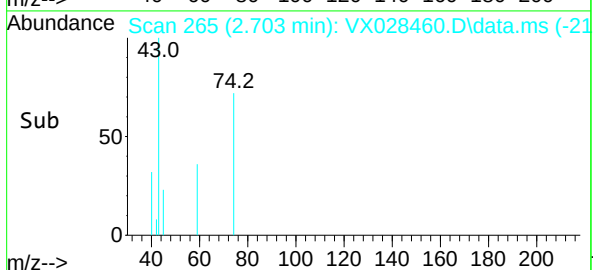
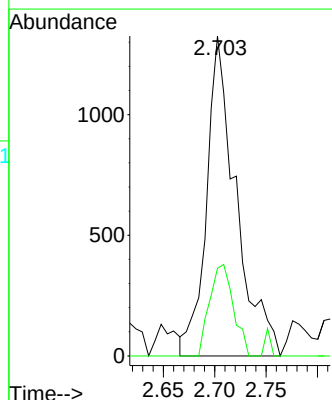
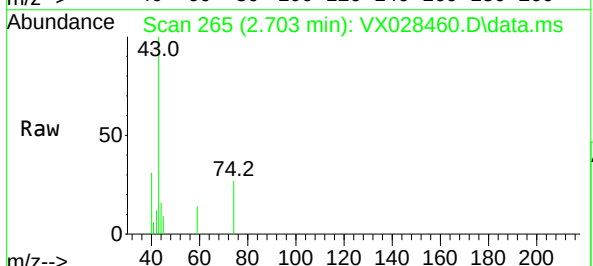
Acq: 30 Apr 2022 06:09

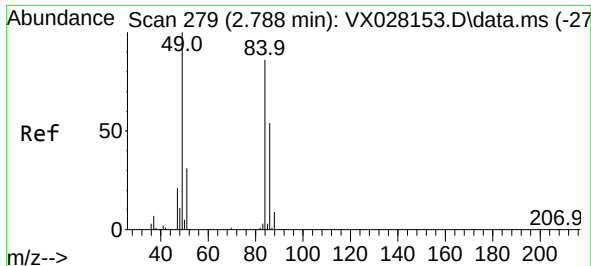
Tgt Ion: 43 Resp: 2640

Ion Ratio Lower Upper

43 100

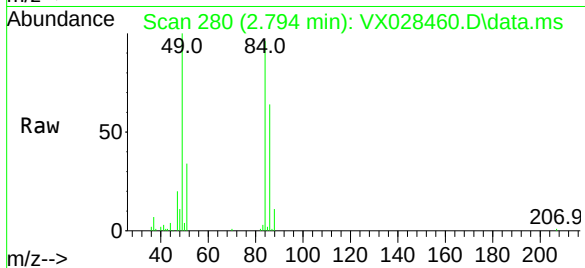
74 23.0 22.8 34.2



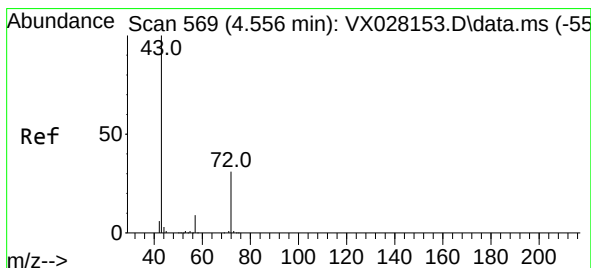
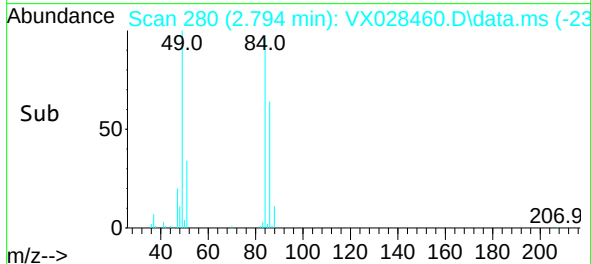
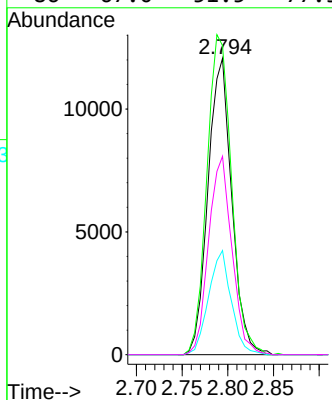


#20
Methylene Chloride
Concen: 5.894 ug/l
RT: 2.794 min Scan# 21821
Delta R.T. 0.006 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Instrument :
MSVOA_X
ClientSampleId :
MH-2

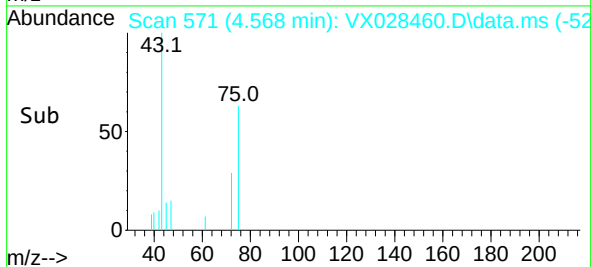
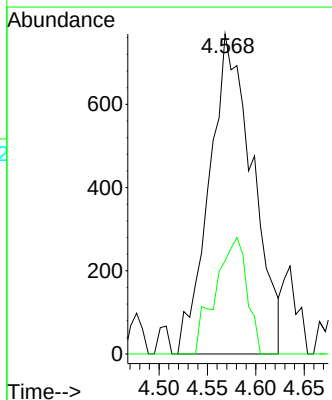
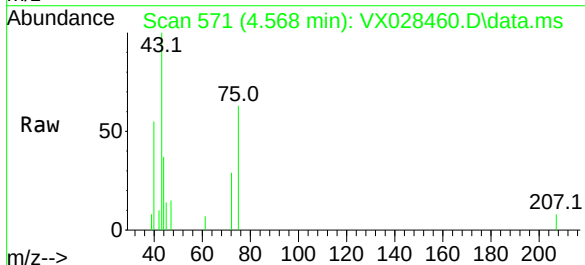


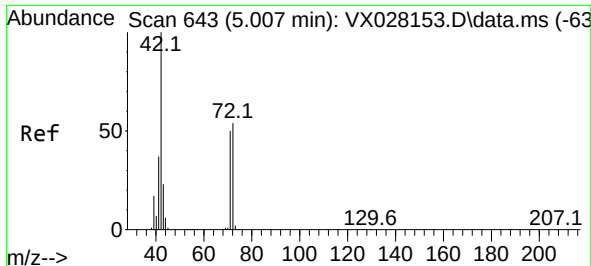
Tgt Ion:	84	Resp:	21821
Ion	Ratio	Lower	Upper
84	100		
49	104.3	85.5	128.3
51	35.2	26.6	39.8
86	67.0	51.5	77.3



#25
2-Butanone
Concen: 0.811 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion:	43	Resp:	2396
Ion	Ratio	Lower	Upper
43	100		
72	29.1	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.311 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX028460.D

Acq: 30 Apr 2022 06:09

Instrument :

MSVOA_X

ClientSampleId :

MH-2

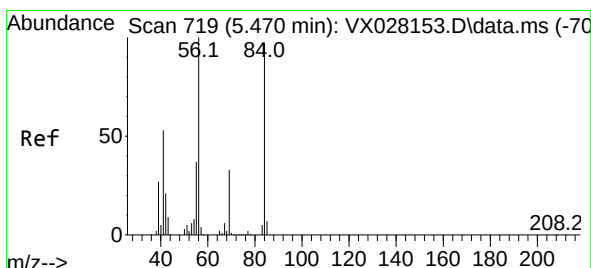
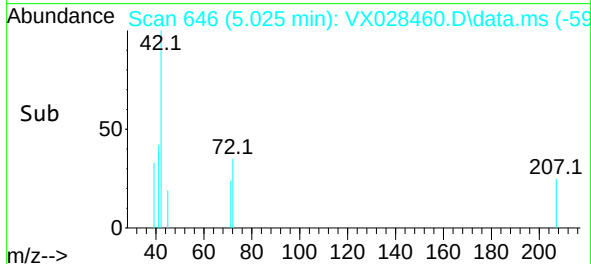
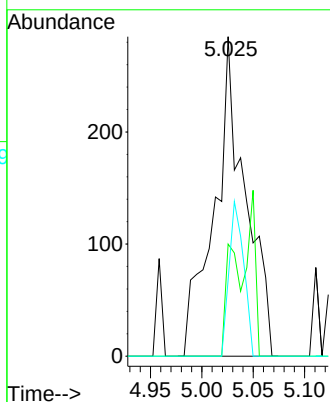
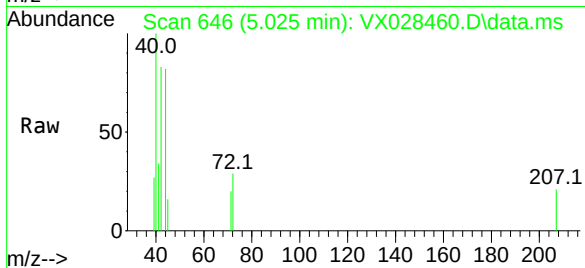
Tgt Ion: 42 Resp: 599

Ion Ratio Lower Upper

42 100

72 15.2 44.1 66.1#

71 22.7 40.5 60.7#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028460.D

Acq: 30 Apr 2022 06:09

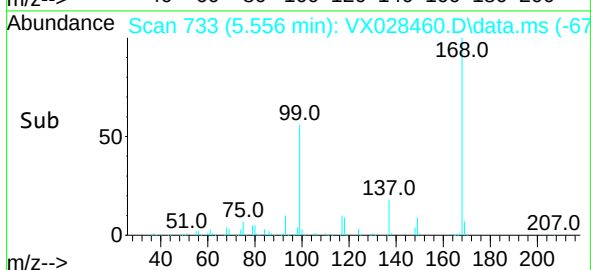
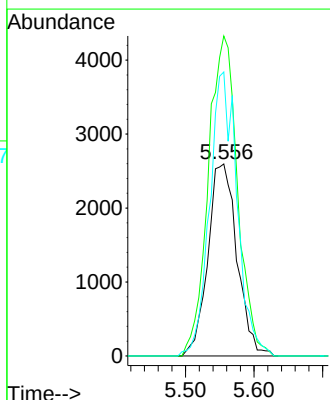
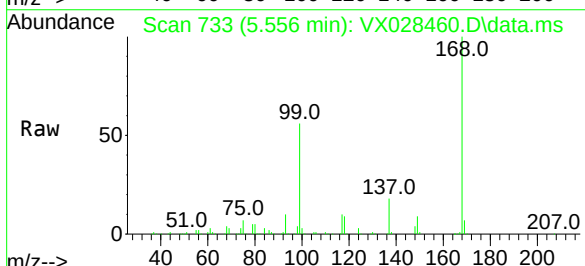
Tgt Ion: 56 Resp: 7650

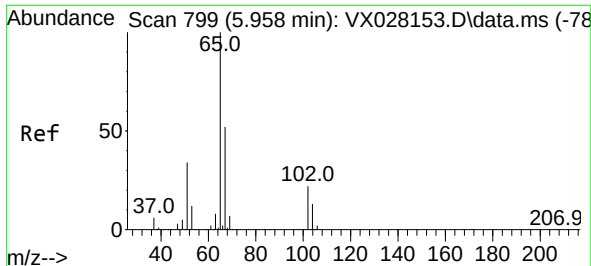
Ion Ratio Lower Upper

56 100

69 166.7 26.7 40.1#

84 148.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.642 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028460.D

Acq: 30 Apr 2022 06:09

Instrument :

MSVOA_X

ClientSampleId :

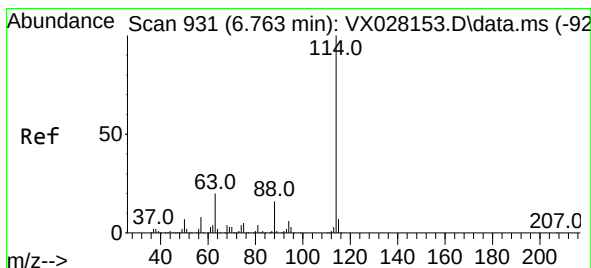
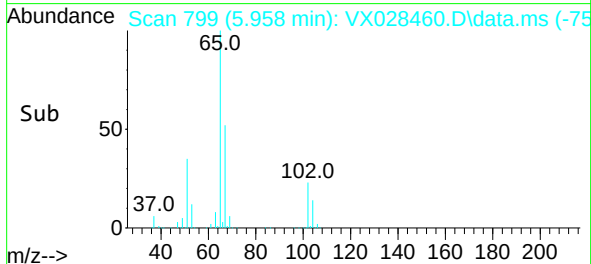
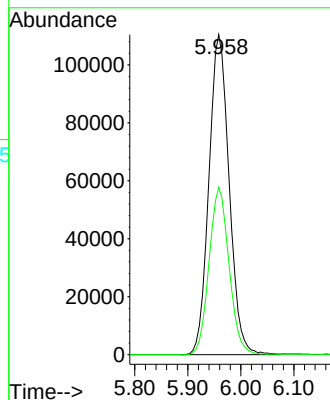
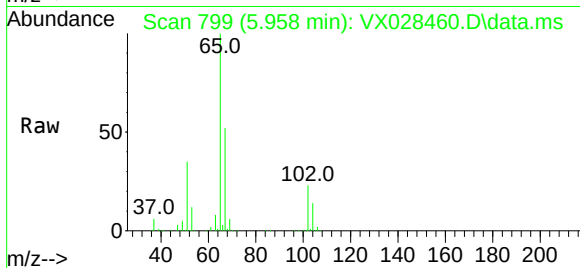
MH-2

Tgt Ion: 65 Resp: 292620

Ion Ratio Lower Upper

65 100

67 51.7 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: VX028460.D

Acq: 30 Apr 2022 06:09

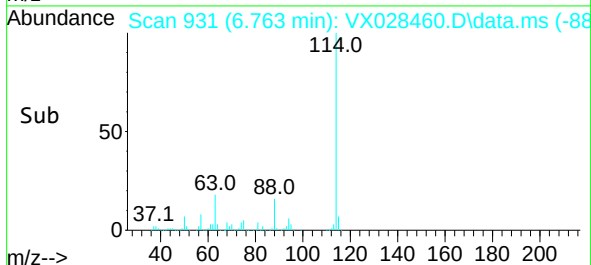
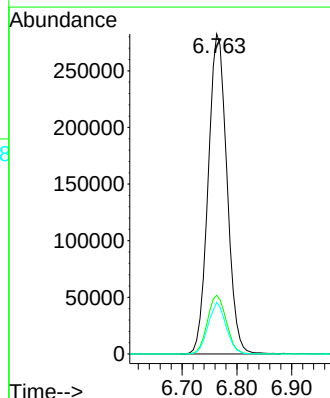
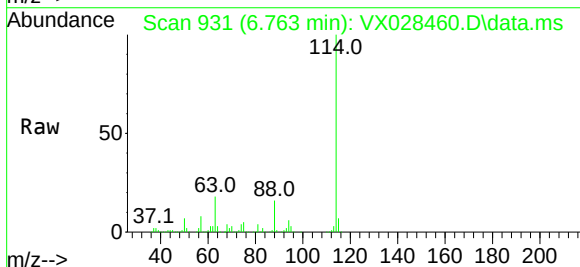
Tgt Ion: 114 Resp: 670005

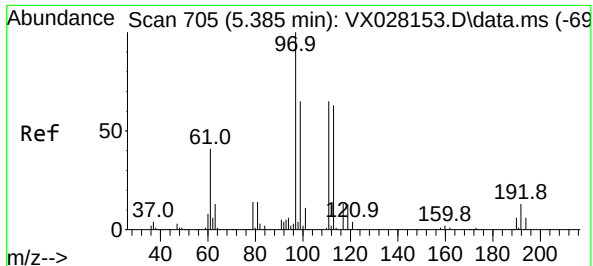
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 16.1 0.0 32.4

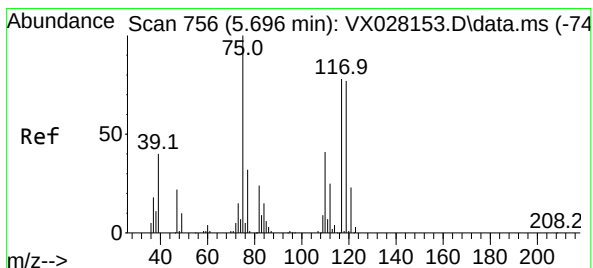
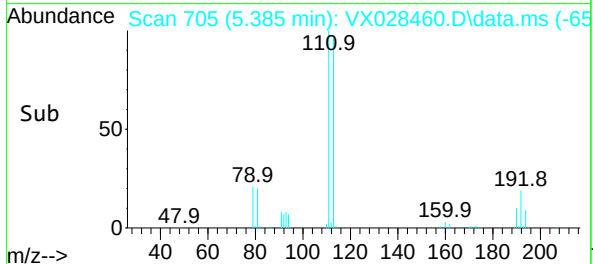
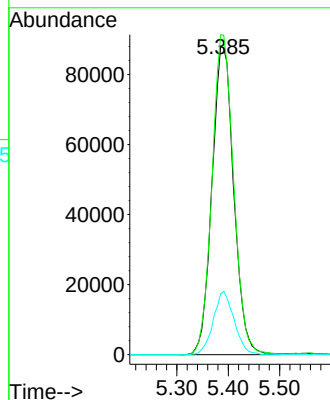
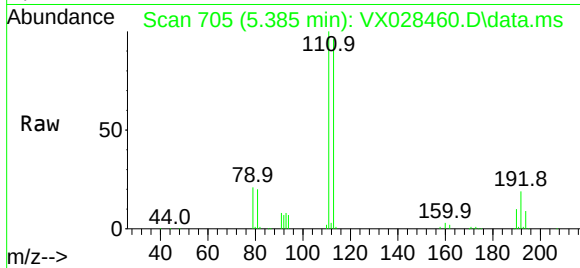




#35
Dibromofluoromethane
Concen: 55.100 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

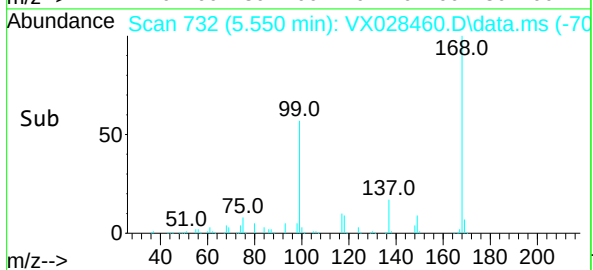
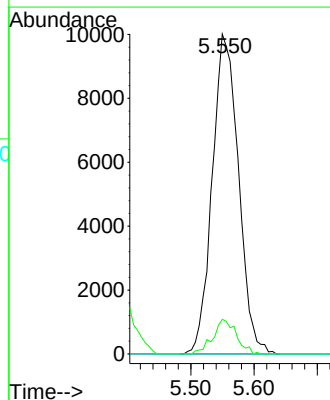
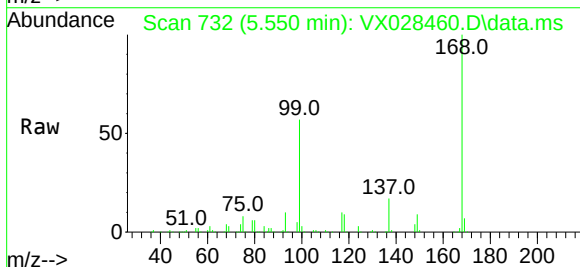
Instrument :
MSVOA_X
ClientSampleId :
MH-2

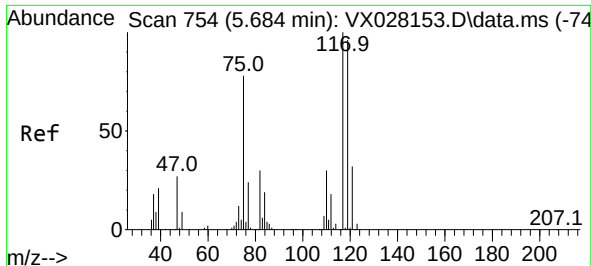
Tgt Ion:113 Resp: 258898
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.701 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion: 75 Resp: 28815
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#

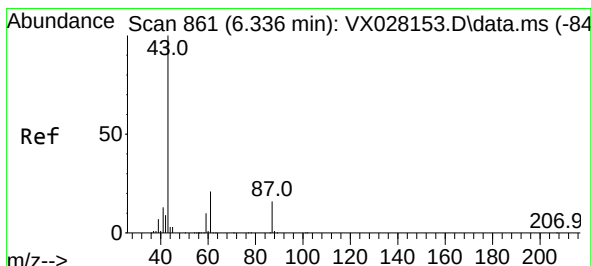
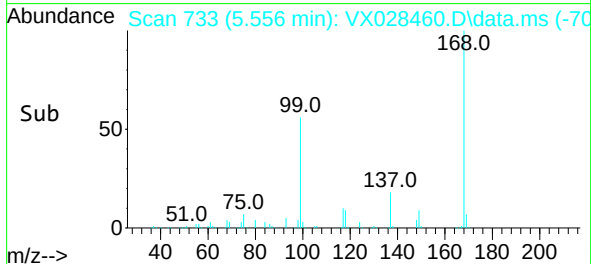
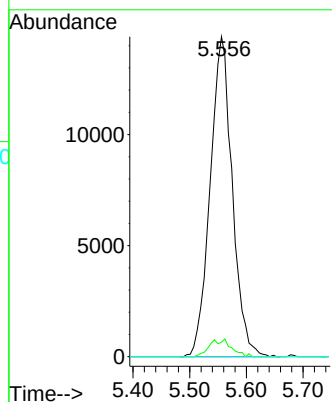
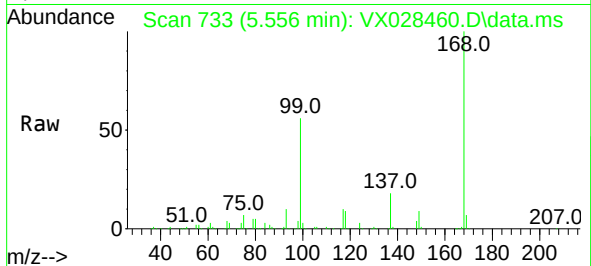




#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

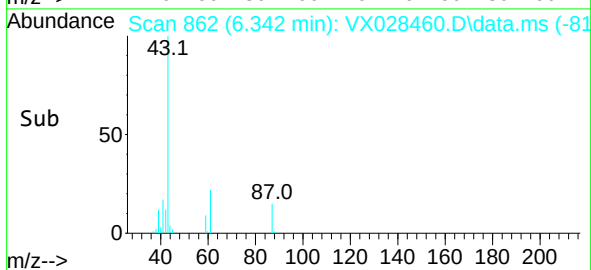
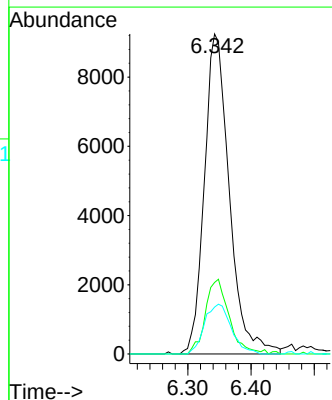
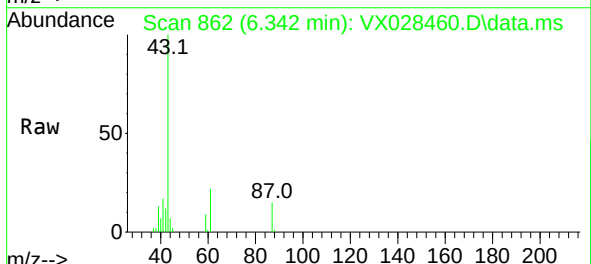
Instrument :
MSVOA_X
ClientSampleId :
MH-2

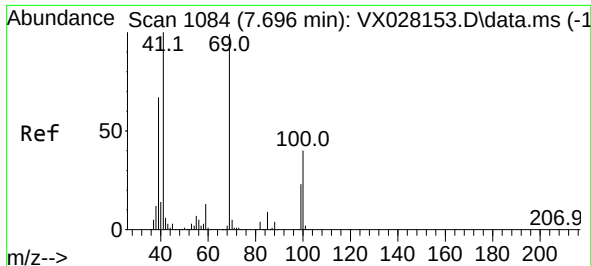
Tgt Ion:117 Resp: 38983
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.508 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion: 43 Resp: 25382
Ion Ratio Lower Upper
43 100
61 22.4 18.5 27.7
87 16.7 13.0 19.6

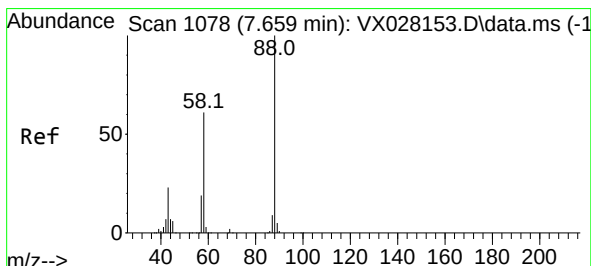
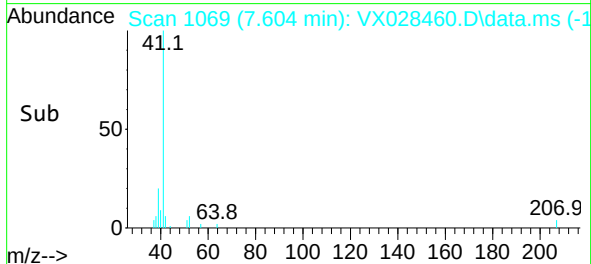
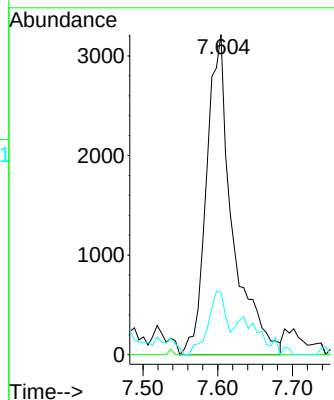
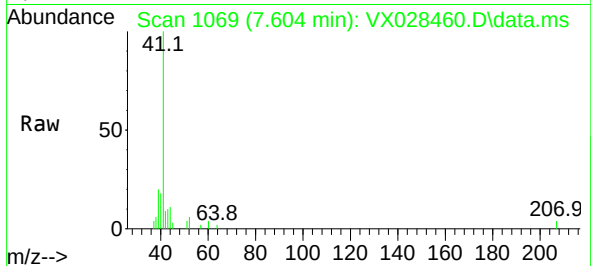




#48
Methyl methacrylate
Concen: 1.661 ug/l
RT: 7.604 min Scan# 1102
Delta R.T. -0.092 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

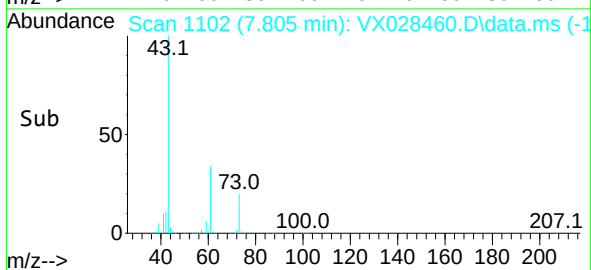
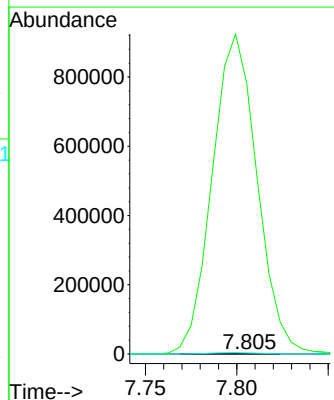
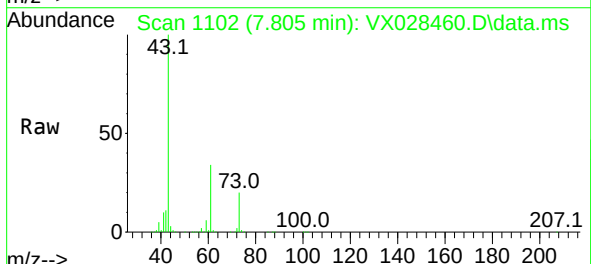
Instrument :
MSVOA_X
ClientSampleId :
MH-2

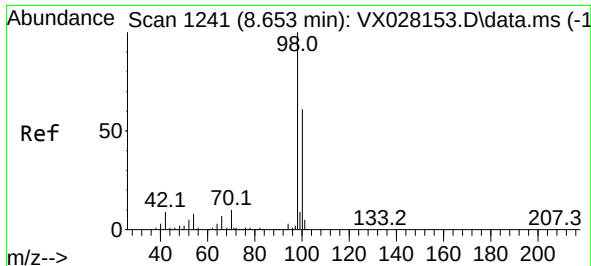
Tgt Ion: 41 Resp: 7717
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 1.842 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 693041.0 21.9 32.9#
58 3300.4 53.7 80.5#

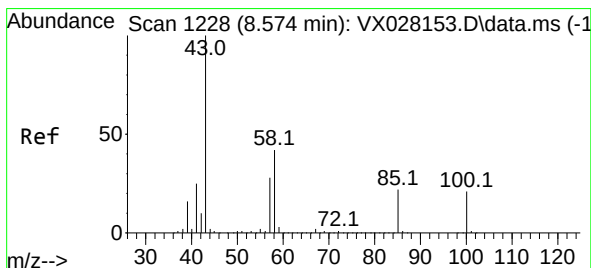
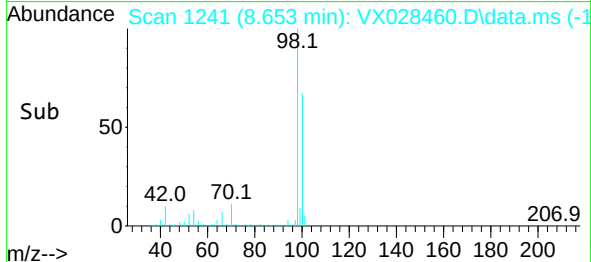
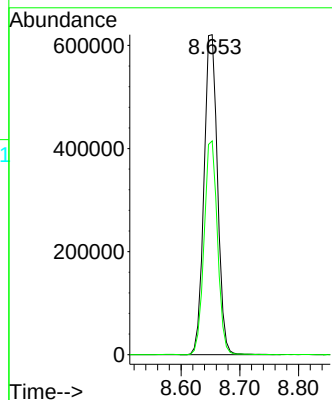
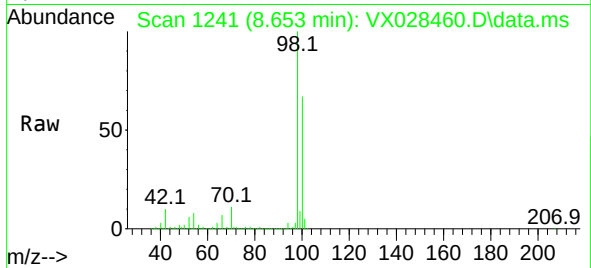




#50
Toluene-d8
Concen: 55.064 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

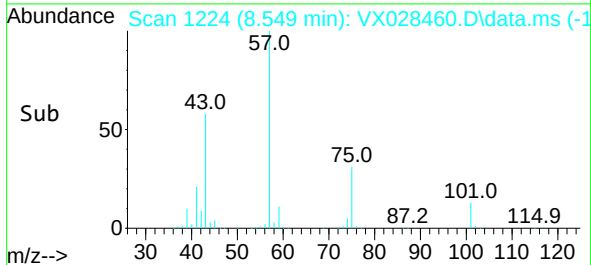
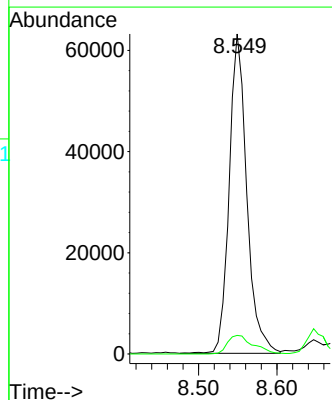
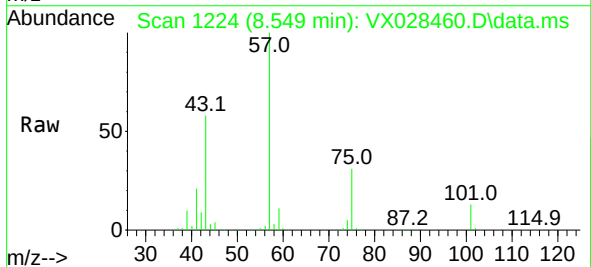
Instrument :
MSVOA_X
ClientSampleId :
MH-2

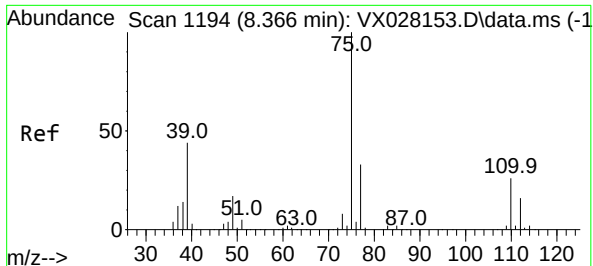
Tgt Ion: 98 Resp: 993724
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.165 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion: 43 Resp: 98498
Ion Ratio Lower Upper
43 100
58 8.6 36.1 54.1#

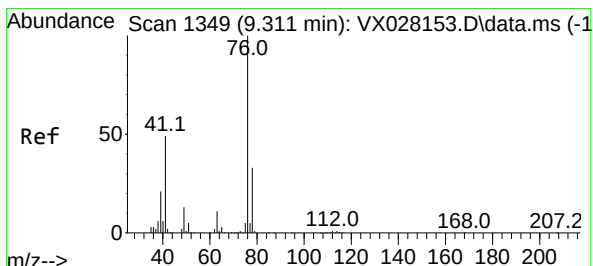
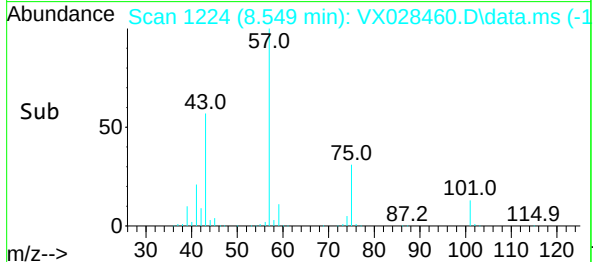
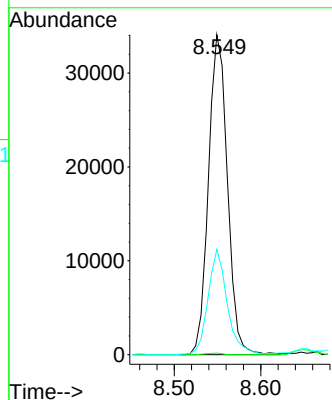
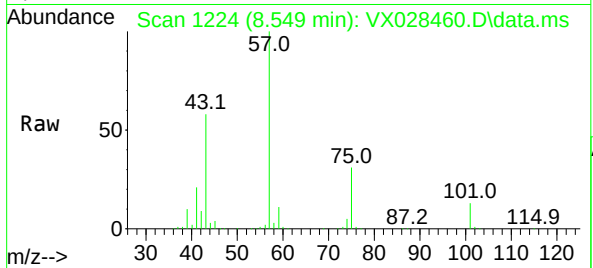




#54
 cis-1,3-Dichloropropene
 Concen: 6.867 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028460.D
 Acq: 30 Apr 2022 06:09

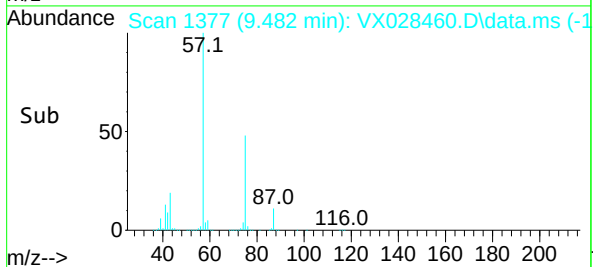
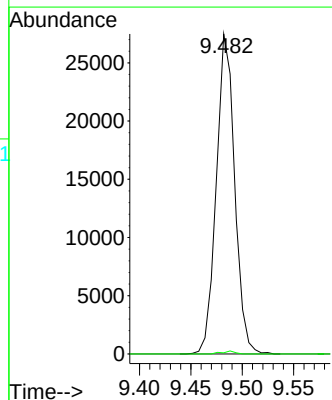
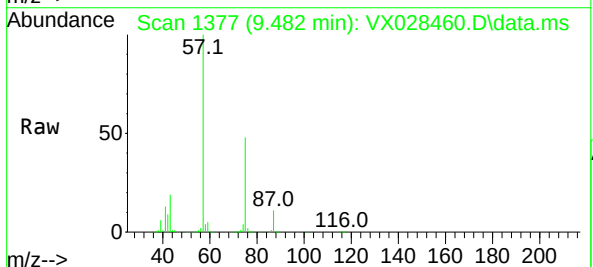
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-2

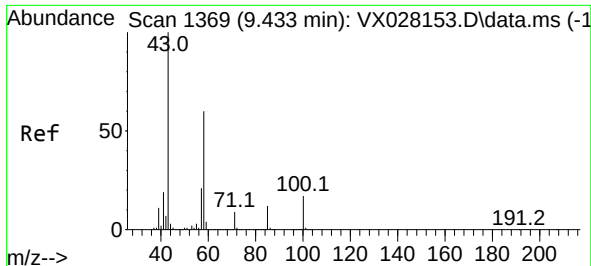
Tgt Ion: 75 Resp: 51889
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 32.7 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.169 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028460.D
 Acq: 30 Apr 2022 06:09

Tgt Ion: 76 Resp: 34081
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#





#59

2-Hexanone

Concen: 77.399 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028460.D

Acq: 30 Apr 2022 06:09

Instrument :

MSVOA_X

ClientSampleId :

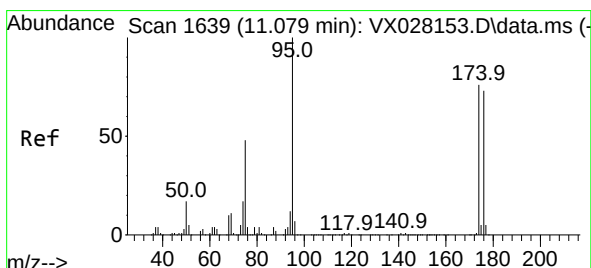
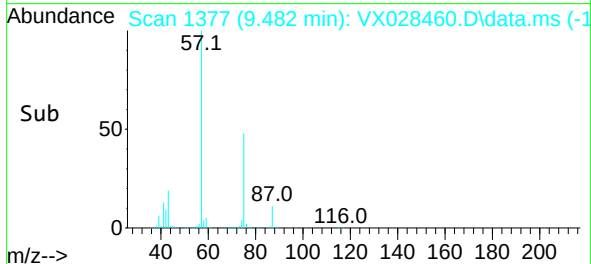
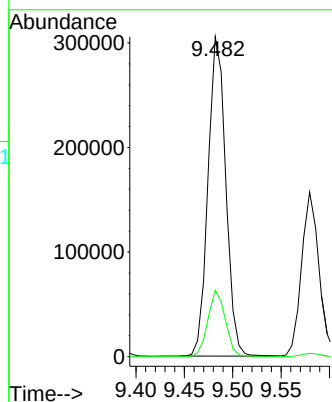
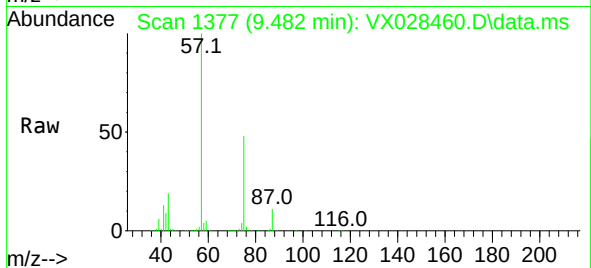
MH-2

Tgt Ion: 43 Resp: 389410

Ion Ratio Lower Upper

43 100

58 20.7 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 53.781 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028460.D

Acq: 30 Apr 2022 06:09

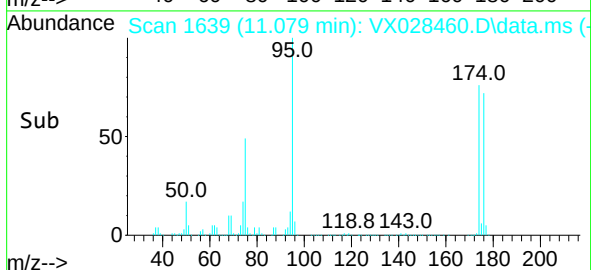
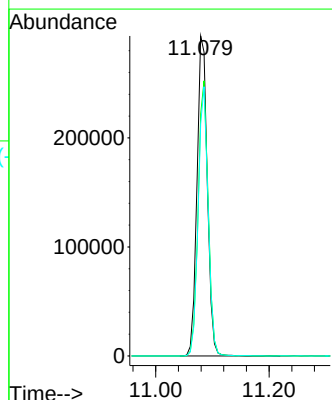
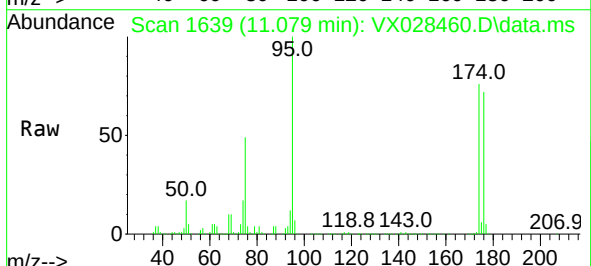
Tgt Ion: 95 Resp: 371103

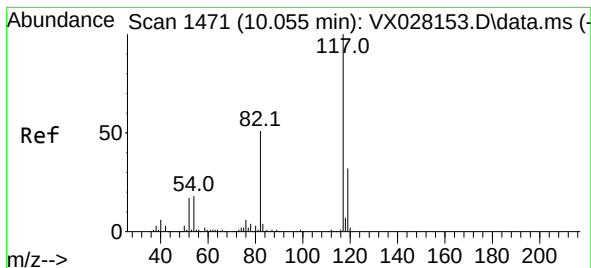
Ion Ratio Lower Upper

95 100

174 83.7 0.0 163.0

176 81.0 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: VX028460.D

Acq: 30 Apr 2022 06:09

Instrument :

MSVOA_X

ClientSampleId :

MH-2

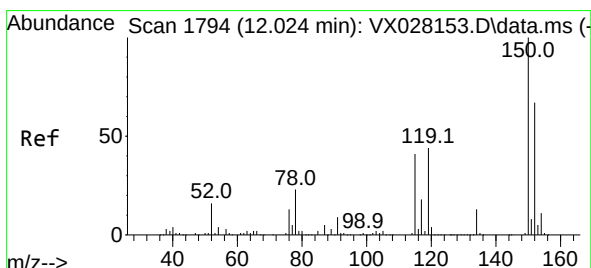
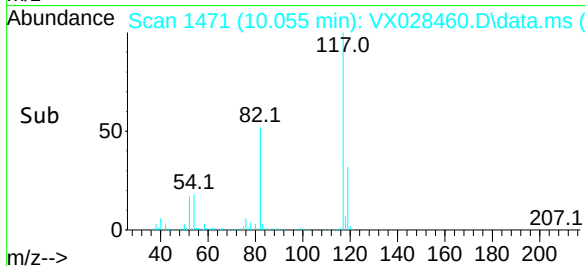
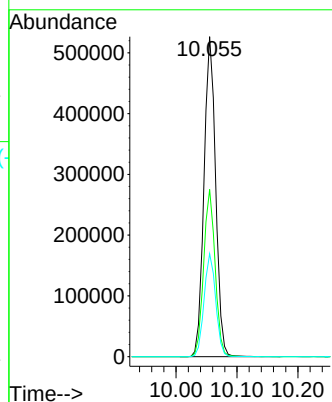
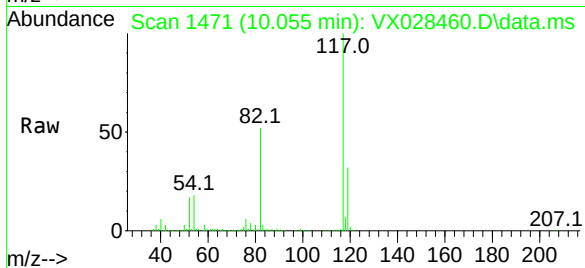
Tgt Ion:117 Resp: 700808

Ion Ratio Lower Upper

117 100

82 52.2 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: VX028460.D

Acq: 30 Apr 2022 06:09

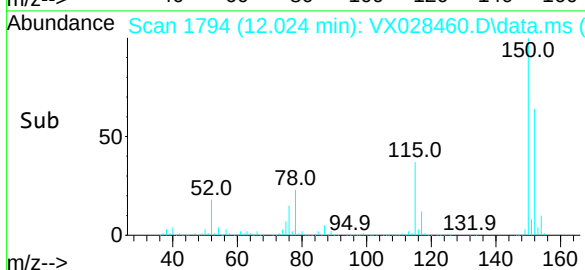
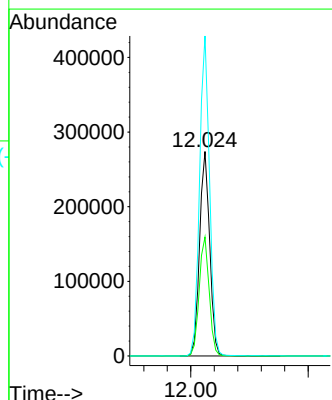
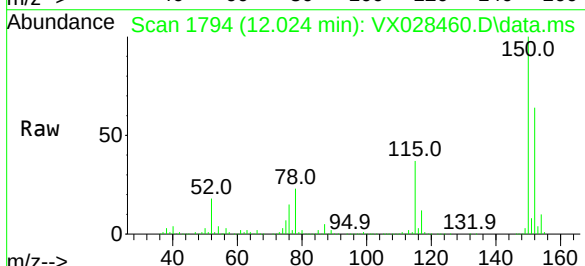
Tgt Ion:152 Resp: 327386

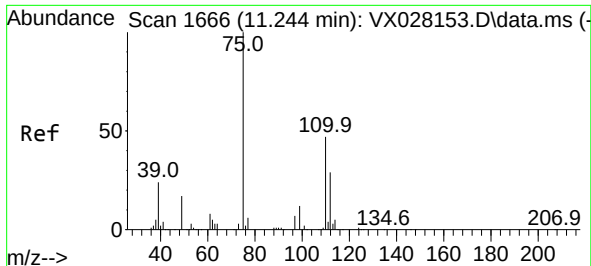
Ion Ratio Lower Upper

152 100

115 57.7 37.5 112.7

150 154.7 0.0 338.2

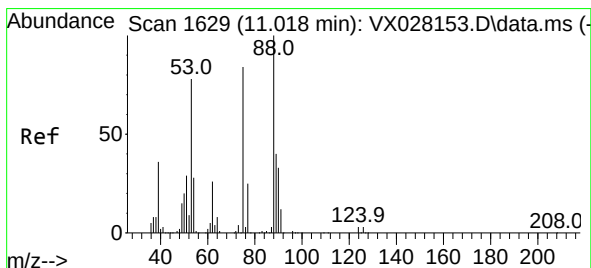
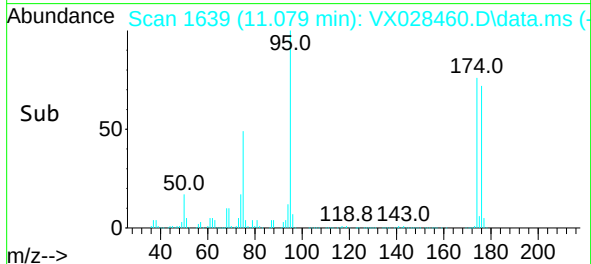
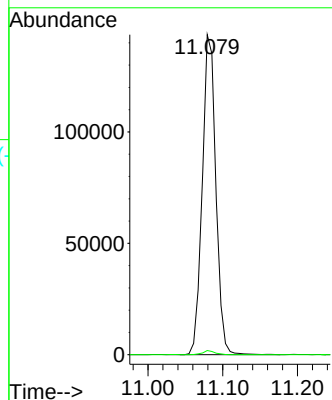
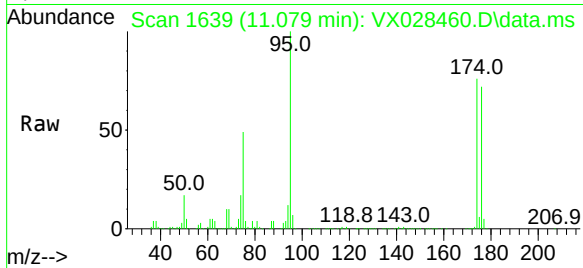




#76
1,2,3-Trichloropropane
Concen: 28.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Instrument :
MSVOA_X
ClientSampleId :
MH-2

Tgt Ion: 75 Resp: 181348
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.642 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028460.D
Acq: 30 Apr 2022 06:09

Tgt Ion: 75 Resp: 181348
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

