

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028485.D
 Acq On : 02 May 2022 19:55
 Operator : JC/MD
 Sample : N2616-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20D

Quant Time: May 03 04:54:13 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)

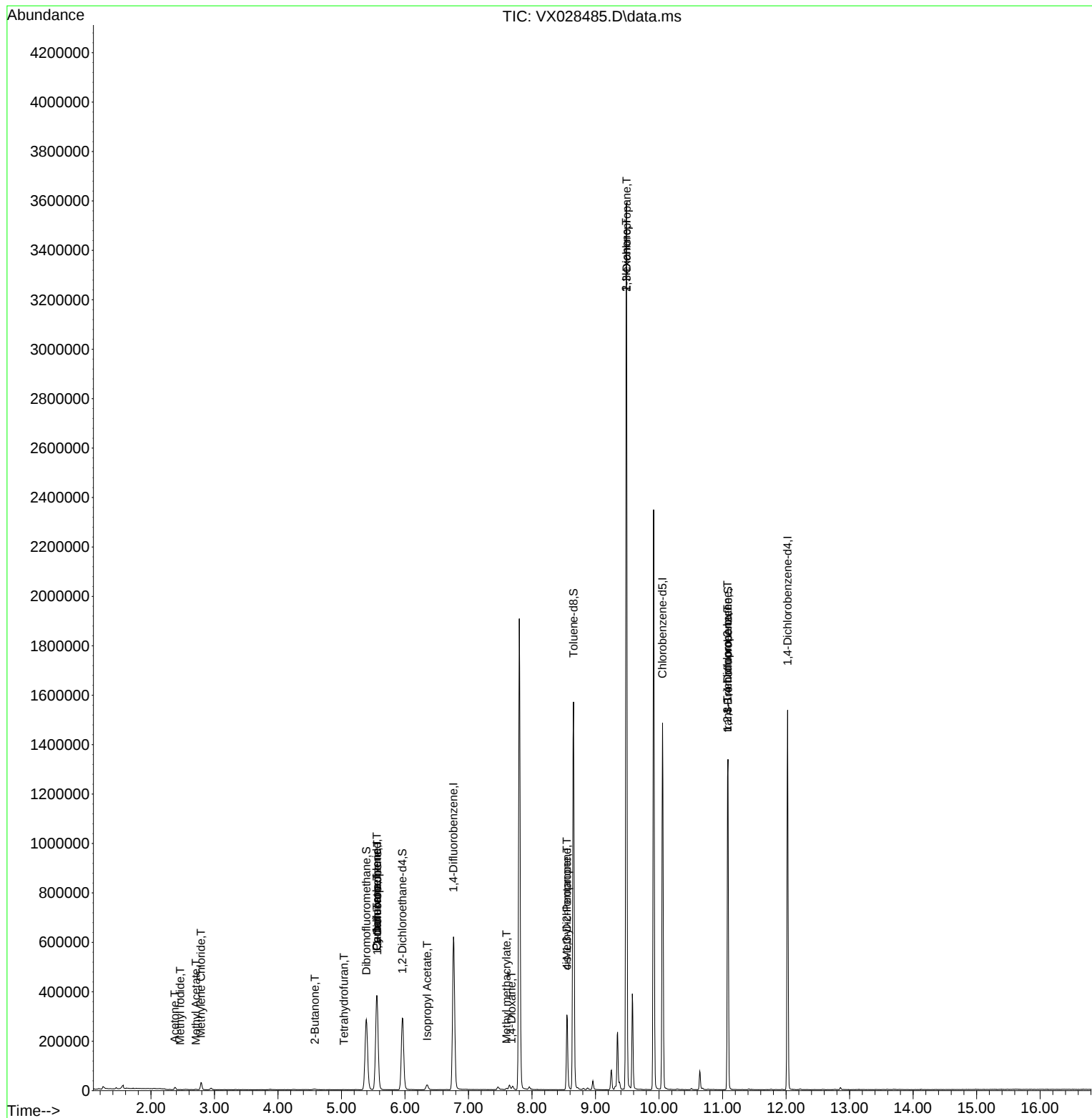
Internal Standards						
1) Pentafluorobenzene	5.556	168	372487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	654046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	678131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	314492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	277330	57.101	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.200%			
35) Dibromofluoromethane	5.391	113	246299	53.698	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.400%			
50) Toluene-d8	8.653	98	945906	53.693	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.380%			
62) 4-Bromofluorobenzene	11.085	95	348320	51.711	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.420%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	302	Below Cal	#	39
5) Bromomethane	1.611	94	1017	Below Cal	#	68
6) Chloroethane	1.691	64	513	Below Cal		93
8) Diethyl Ether	2.142	74	101	Below Cal	#	1
10) Methyl Iodide	2.459	142	352	5.311	ug/l #	76
11) Tert butyl alcohol	2.946	59	3469	Below Cal	#	77
16) Acetone	2.373	43	10505	5.718	ug/l	88
18) Methyl Acetate	2.709	43	1902	0.440	ug/l	91
20) Methylene Chloride	2.788	84	13029	3.616	ug/l	93
25) 2-Butanone	4.580	43	3173	1.103	ug/l #	84
29) Tetrahydrofuran	5.038	42	383	0.204	ug/l #	57
31) Cyclohexane	5.556	56	7538	1.274	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	27401	4.580	ug/l #	49
38) Carbon Tetrachloride	5.556	117	36714	5.436	ug/l #	15
43) Isopropyl Acetate	6.348	43	26134	2.645	ug/l	98
48) Methyl methacrylate	7.598	41	7477	1.648	ug/l #	7
49) 1,4-Dioxane	7.677	88	33	0.272	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	97757	15.418	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	52471	7.114	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	35916	4.501	ug/l #	43
59) 2-Hexanone	9.482	43	397062	80.846	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	173654	28.057	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	173654	83.377	ug/l #	15

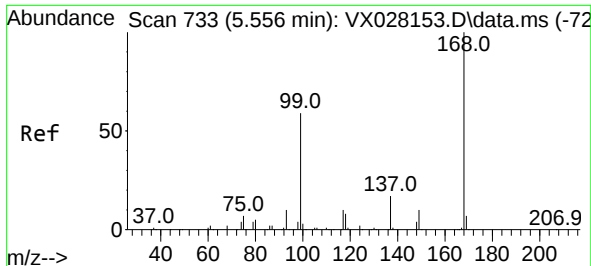
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

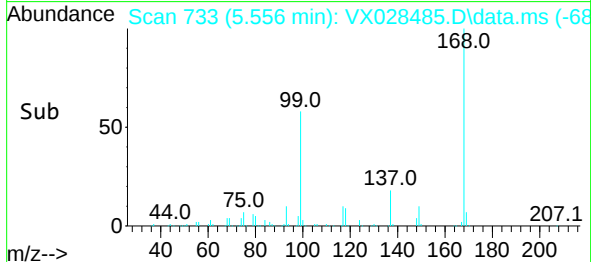
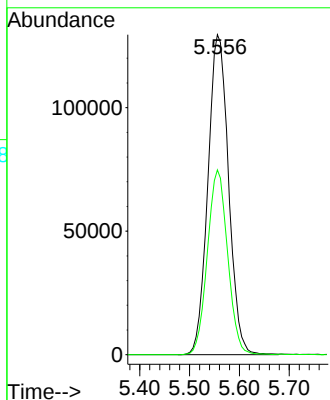
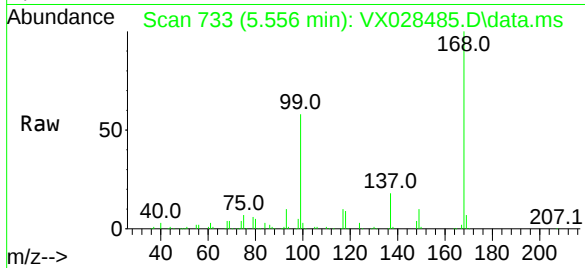




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

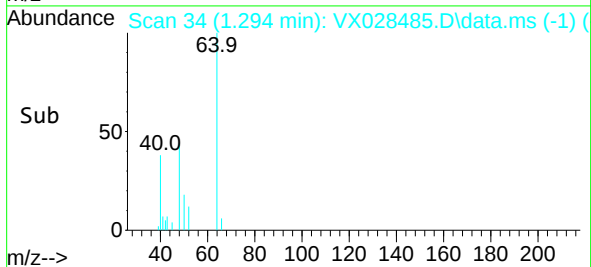
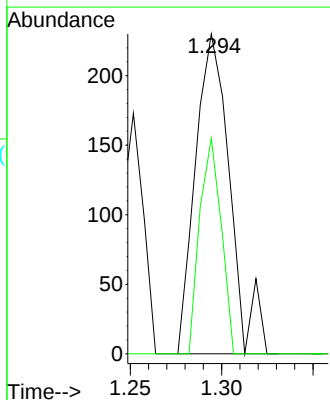
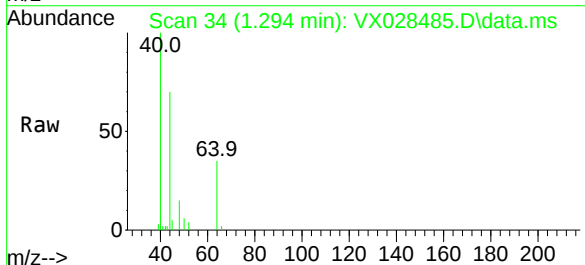
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

Tgt Ion:168 Resp: 372487
Ion Ratio Lower Upper
168 100
99 57.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 50 Resp: 302
Ion Ratio Lower Upper
50 100
52 67.4 26.4 39.6#

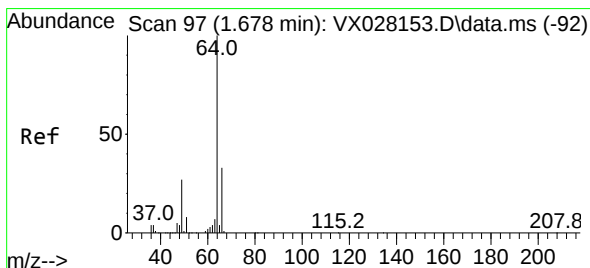
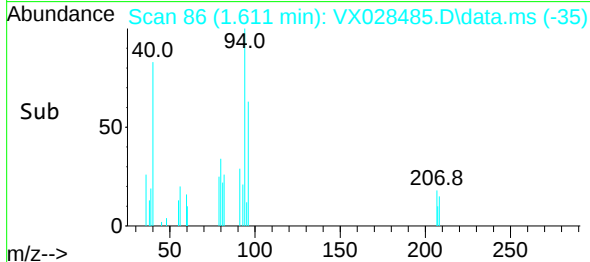
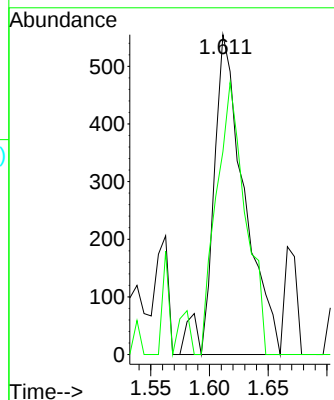
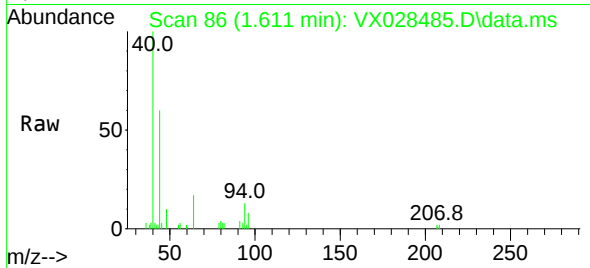




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

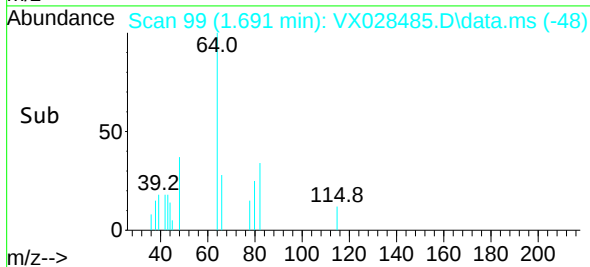
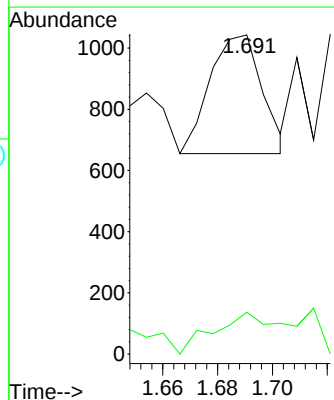
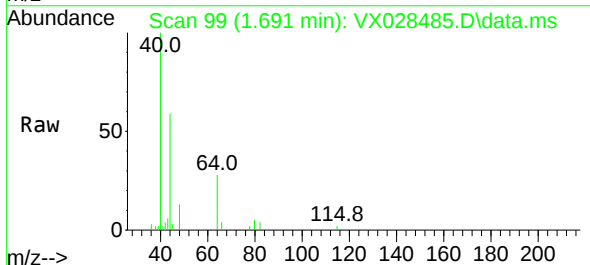
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

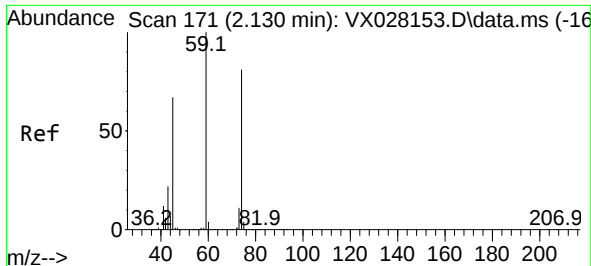
Tgt Ion: 94 Resp: 1017
Ion Ratio Lower Upper
94 100
96 63.4 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 64 Resp: 513
Ion Ratio Lower Upper
64 100
66 35.3 25.3 37.9

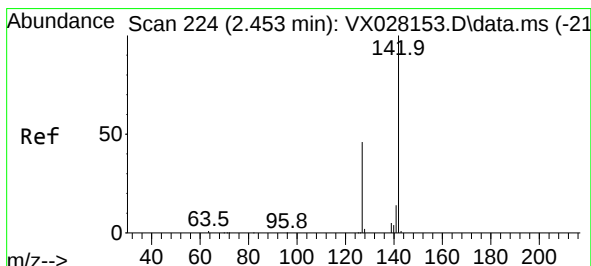
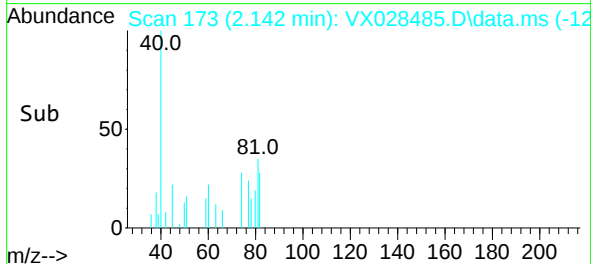
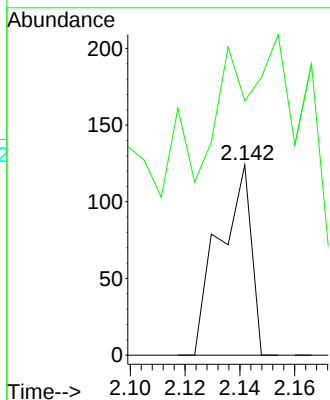
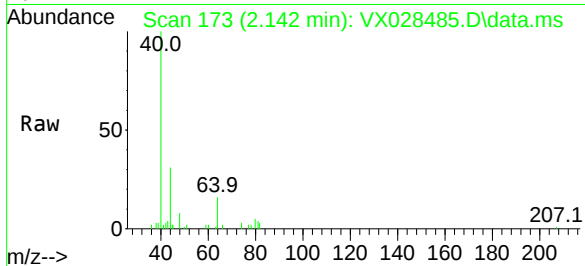




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

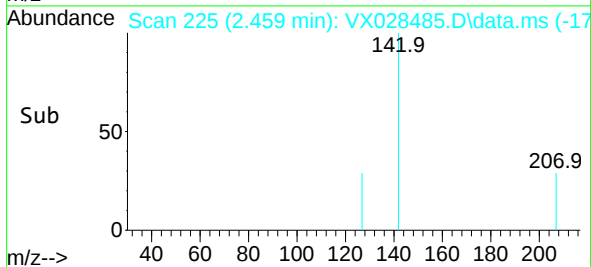
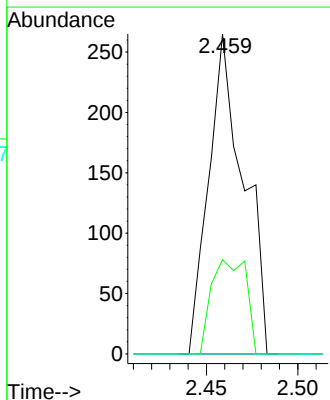
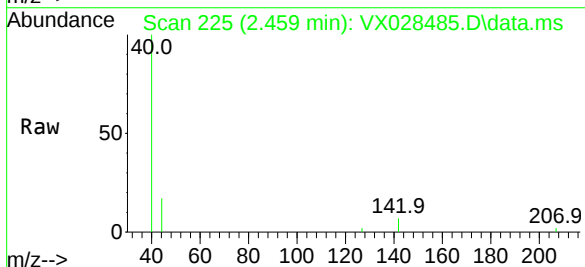
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

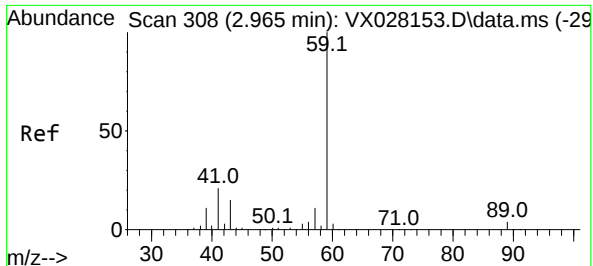
Tgt Ion: 74 Resp: 101
Ion Ratio Lower Upper
74 100
45 499.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.311 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion:142 Resp: 352
Ion Ratio Lower Upper
142 100
127 29.3 33.9 50.9#
141 0.0 11.4 17.2#

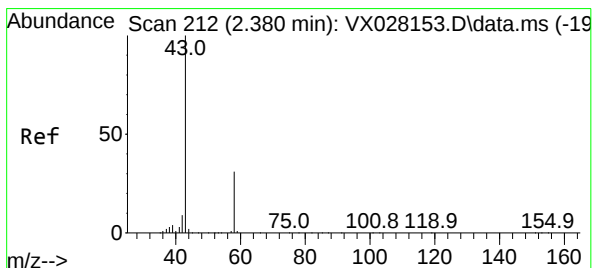
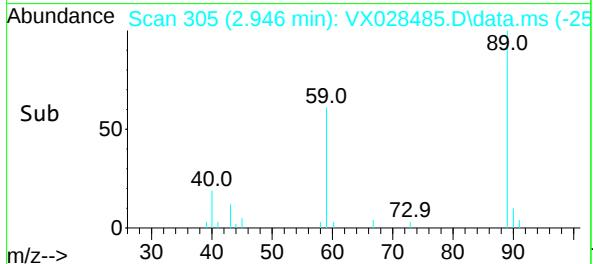
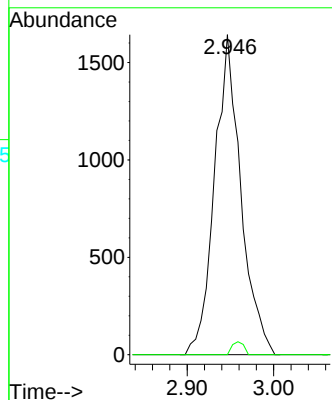
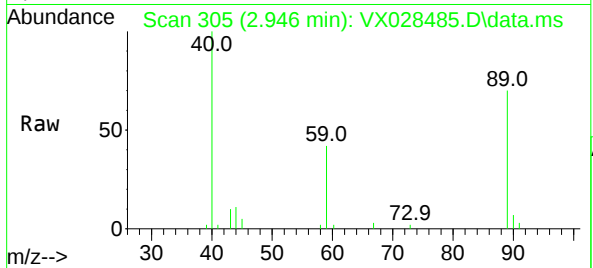




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

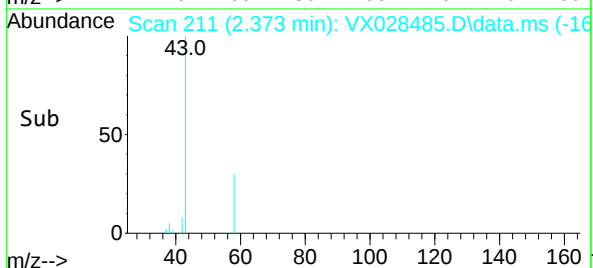
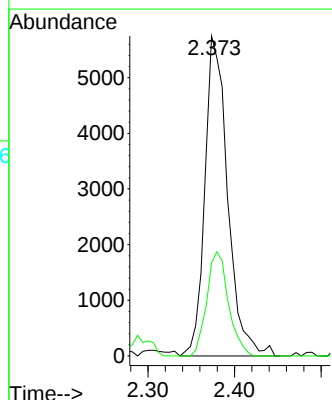
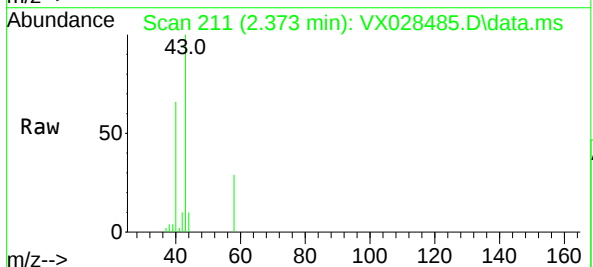
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

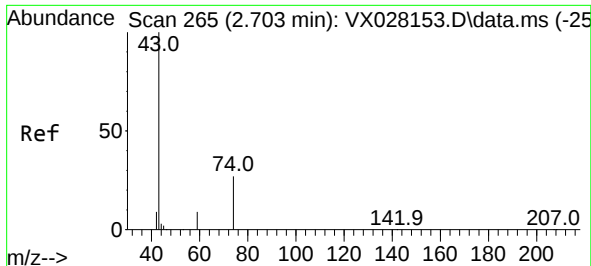
Tgt Ion: 59 Resp: 3469
Ion Ratio Lower Upper
59 100
57 1.8 8.3 12.5#



#16
Acetone
Concen: 5.718 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 43 Resp: 10505
Ion Ratio Lower Upper
43 100
58 29.2 28.8 43.2

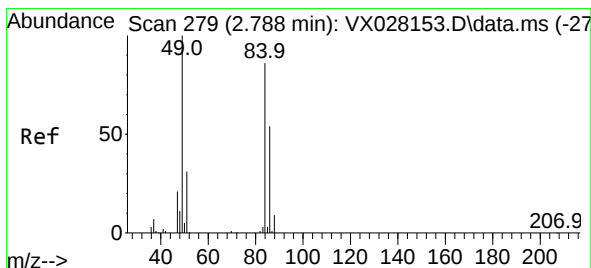
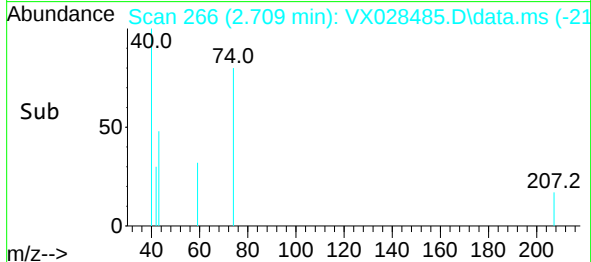
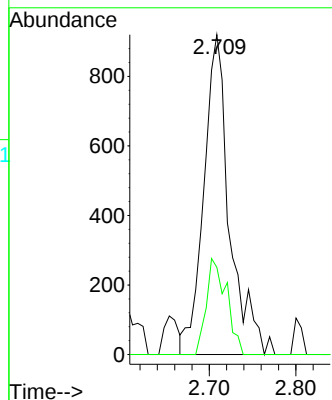
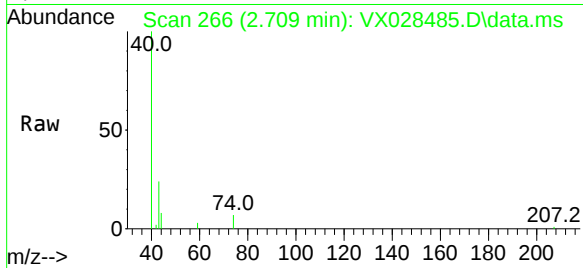




#18
Methyl Acetate
Concen: 0.440 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

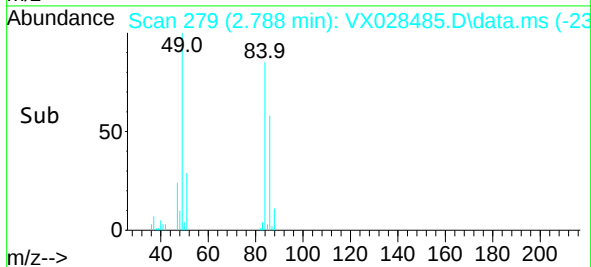
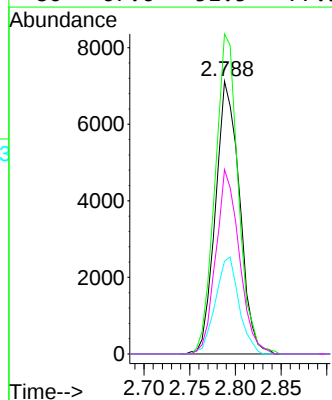
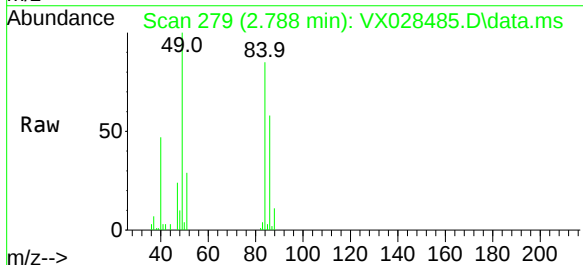
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MSVOA_X
ClientSampleId :
MH-20D

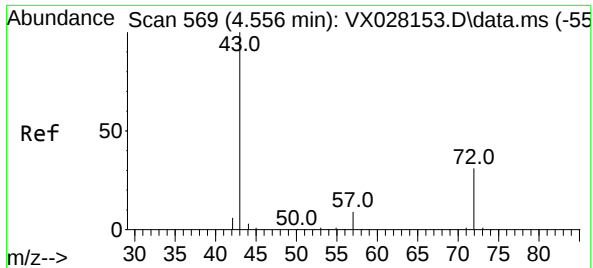
Tgt Ion: 43 Resp: 1902
Ion Ratio Lower Upper
43 100
74 23.6 22.8 34.2



#20
Methylene Chloride
Concen: 3.616 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 84 Resp: 13029
Ion Ratio Lower Upper
84 100
49 117.4 85.5 128.3
51 34.0 26.6 39.8
86 67.6 51.5 77.3

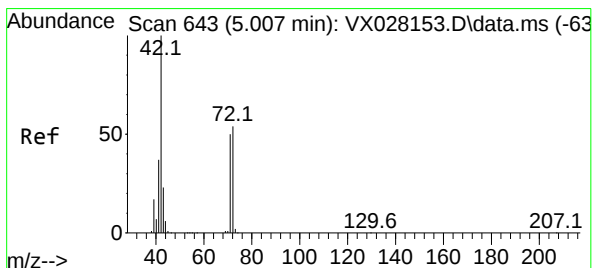
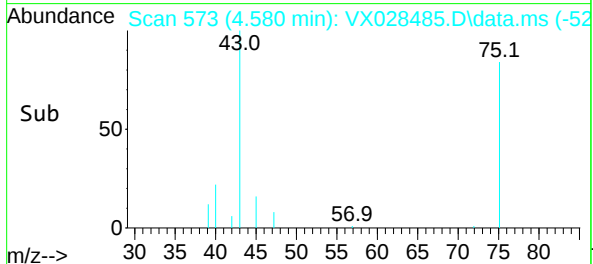
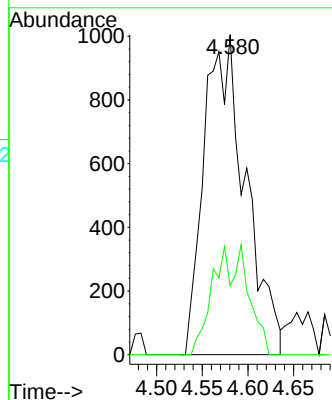
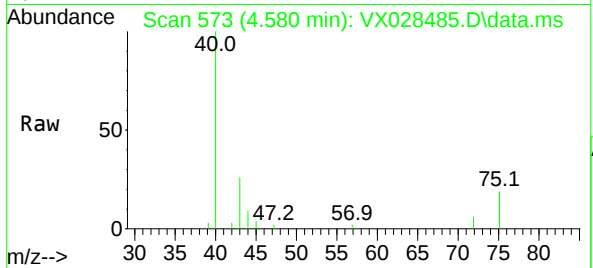




#25
2-Butanone
Concen: 1.103 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

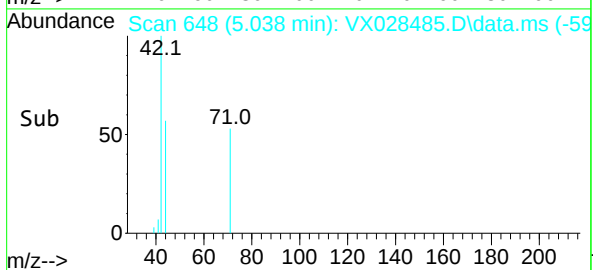
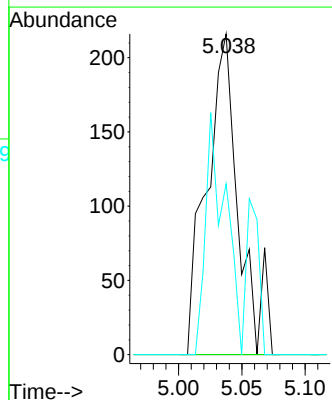
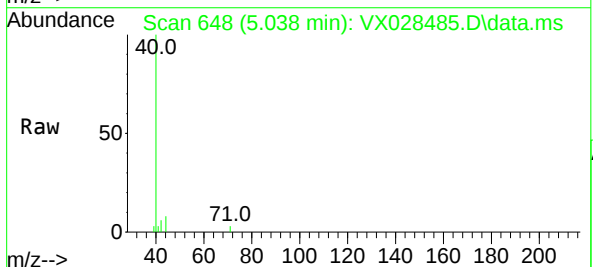
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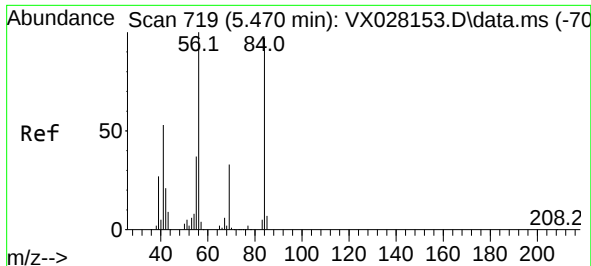
Tgt Ion: 43 Resp: 3173
Ion Ratio Lower Upper
43 100
72 21.6 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 42 Resp: 383
Ion Ratio Lower Upper
42 100
72 0.0 44.1 66.1#
71 46.5 40.5 60.7

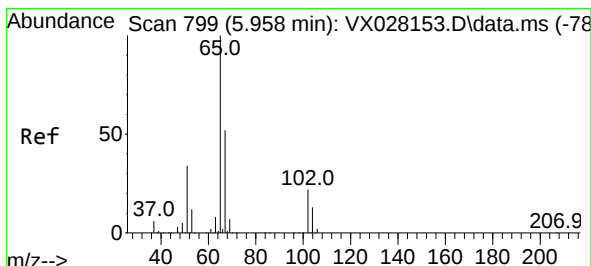
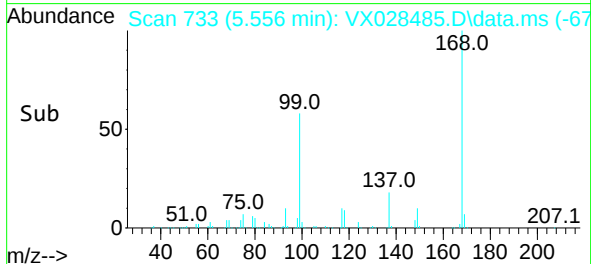
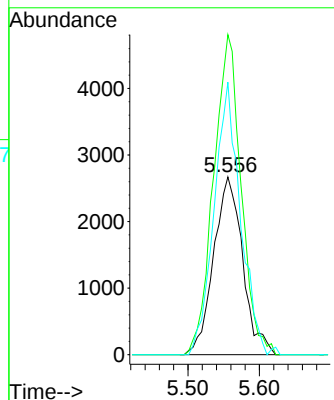
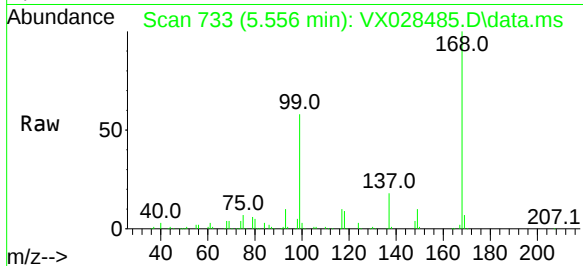




#31
Cyclohexane
Concen: 1.274 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

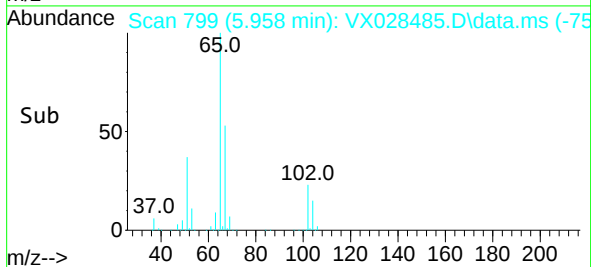
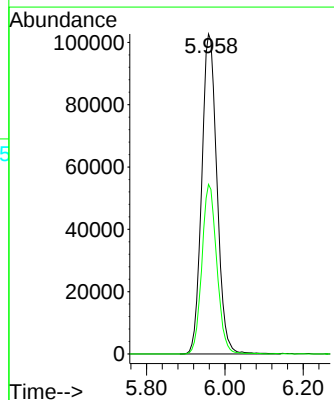
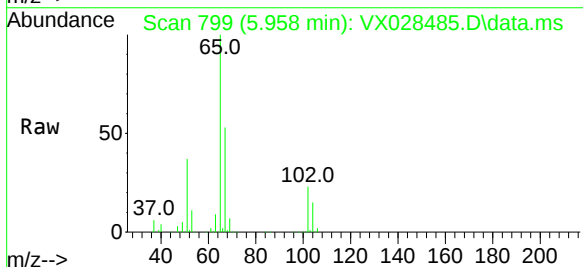
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

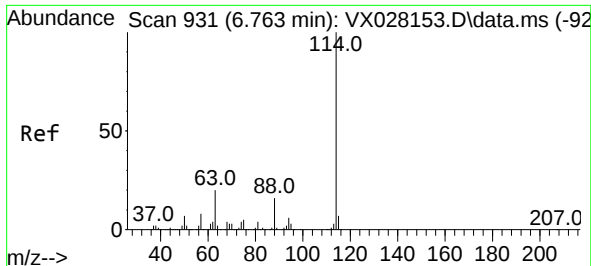
Tgt Ion: 56 Resp: 7538
Ion Ratio Lower Upper
56 100
69 180.1 26.7 40.1#
84 153.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.101 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 65 Resp: 277330
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4

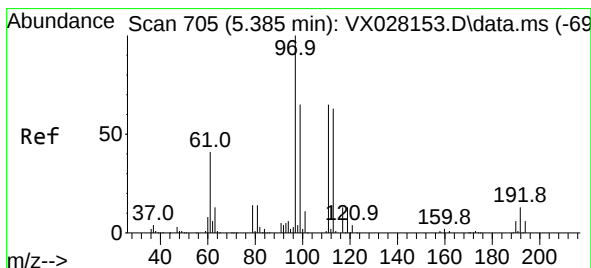
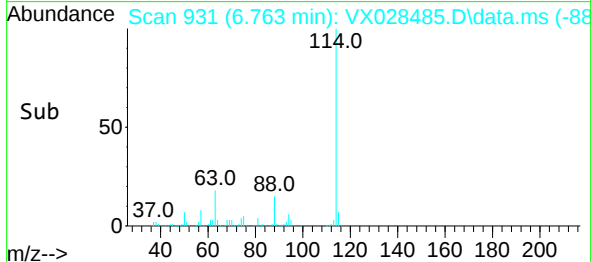
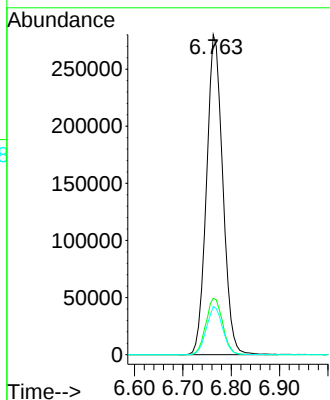
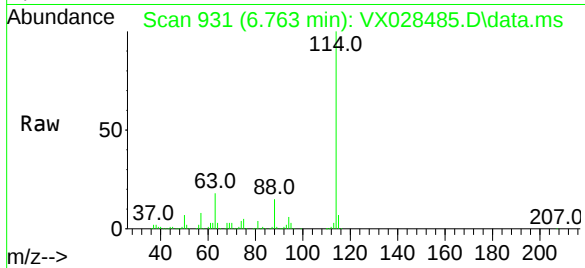




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

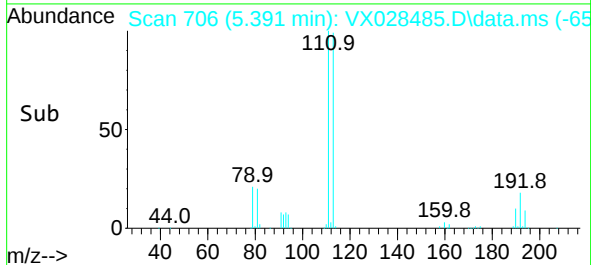
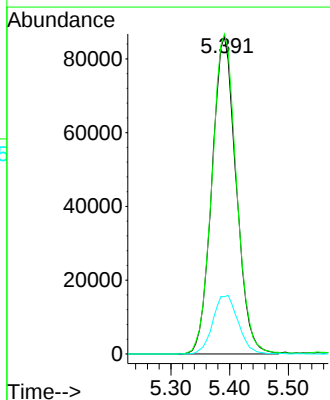
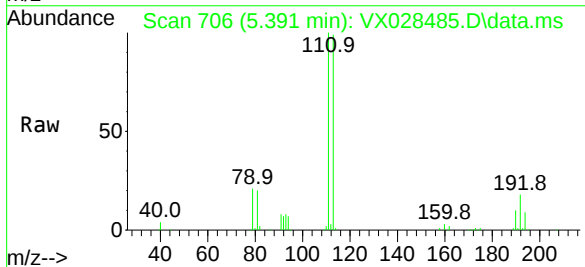
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

Tgt Ion:114 Resp: 654046
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.8
88 15.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.698 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion:113 Resp: 246299
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 19.3 16.9 25.3

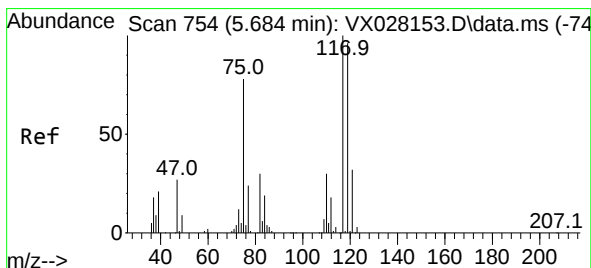
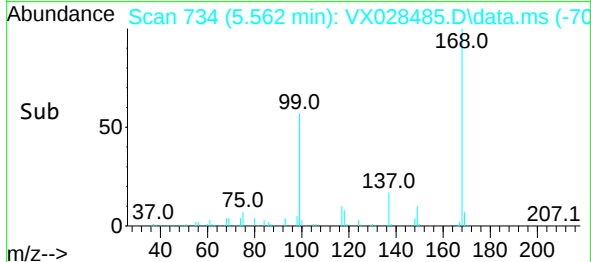
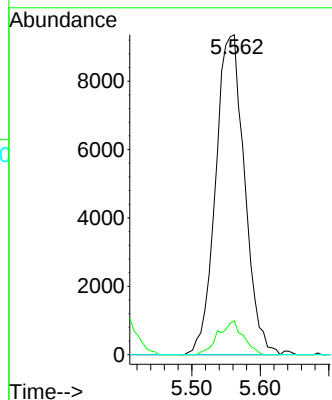
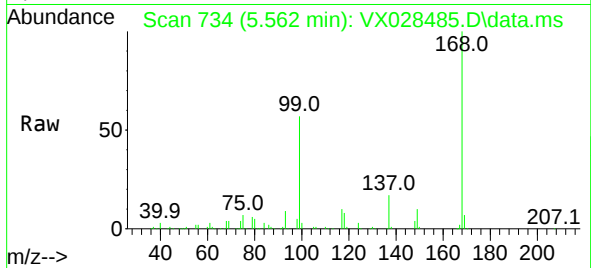




#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

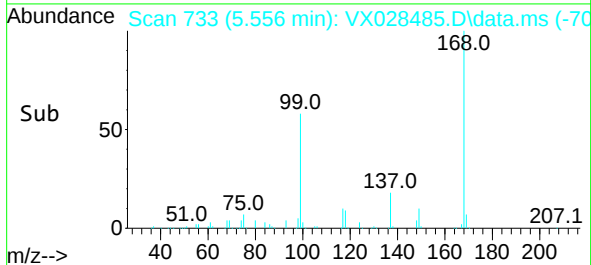
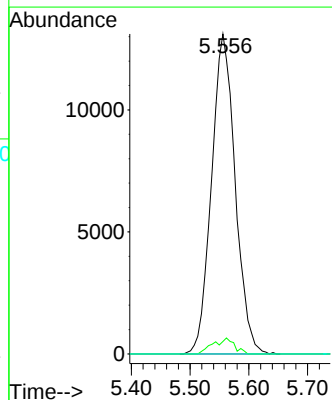
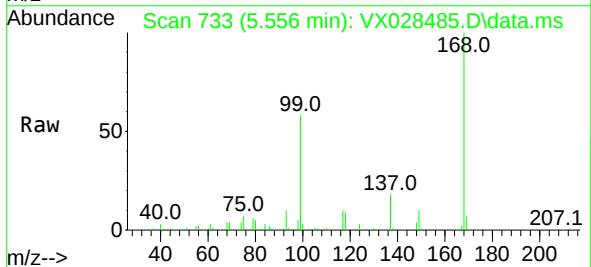
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

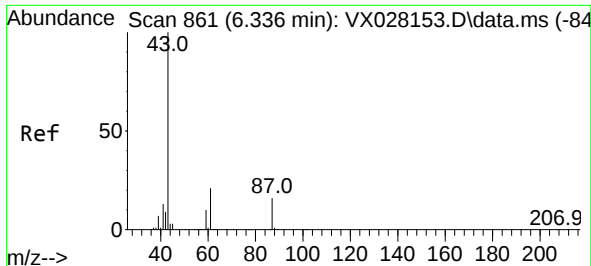
Tgt Ion: 75 Resp: 27401
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.436 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 117 Resp: 36714
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#

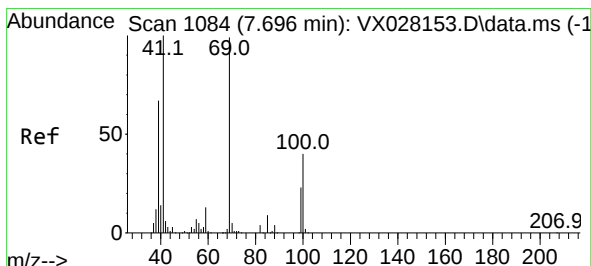
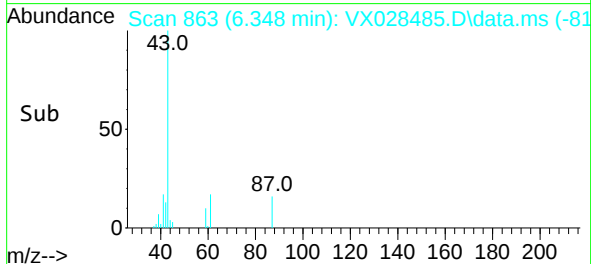
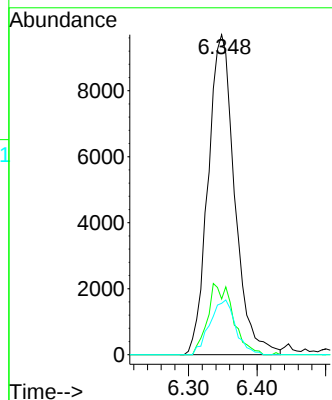
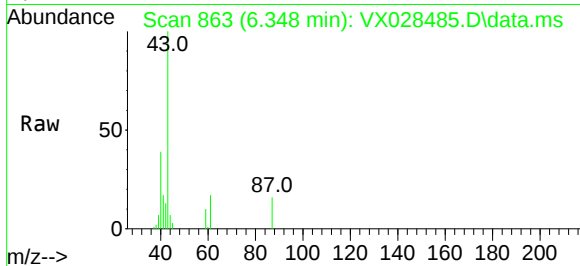




#43
Isopropyl Acetate
Concen: 2.645 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

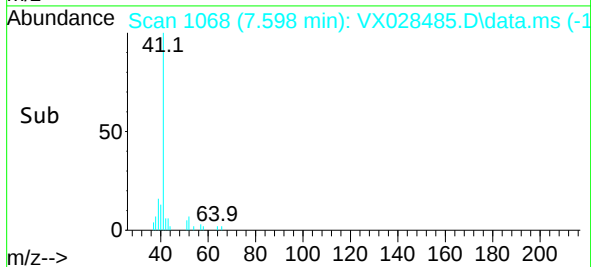
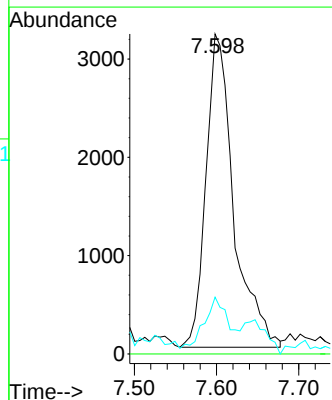
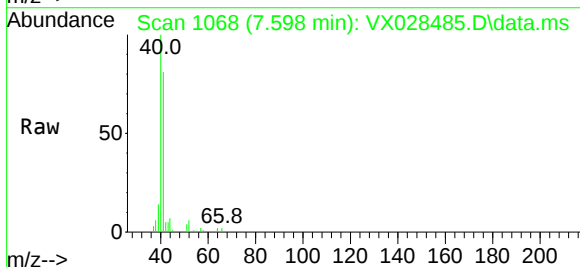
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

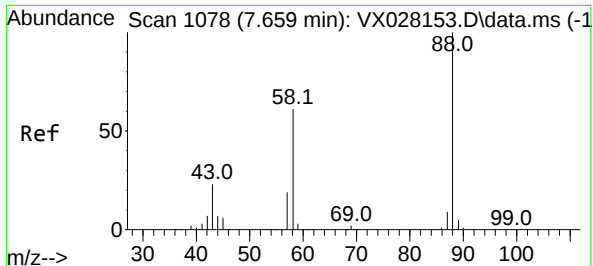
Tgt Ion: 43 Resp: 26134
Ion Ratio Lower Upper
43 100
61 21.2 18.5 27.7
87 16.5 13.0 19.6



#48
Methyl methacrylate
Concen: 1.648 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 41 Resp: 7477
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 0.272 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.018 min

Lab File: VX028485.D

Acq: 02 May 2022 19:55

Instrument :

MSVOA_X

ClientSampleId :

MH-20D

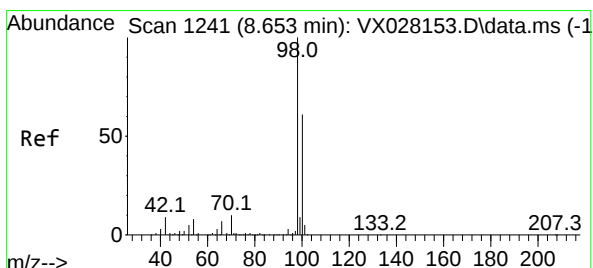
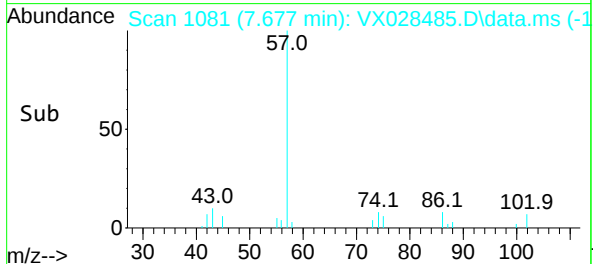
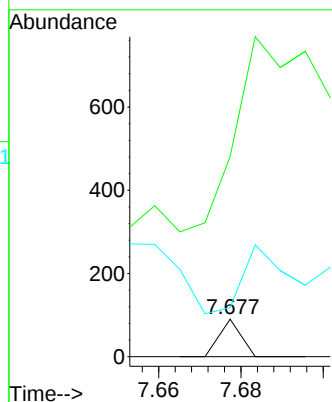
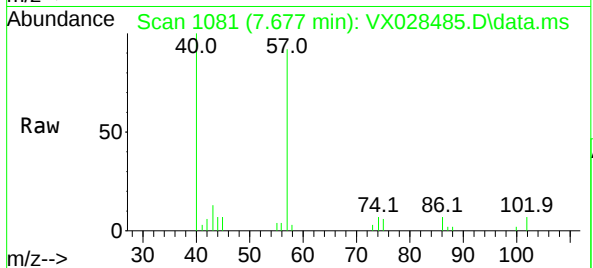
Tgt Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 1415.2 53.7 80.5#



#50

Toluene-d8

Concen: 53.693 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028485.D

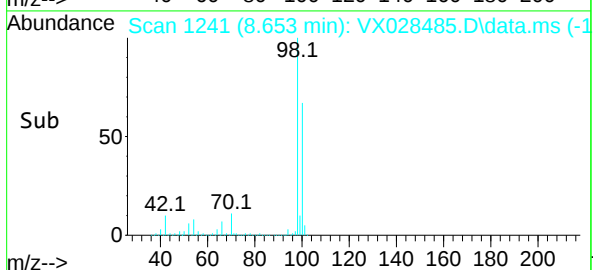
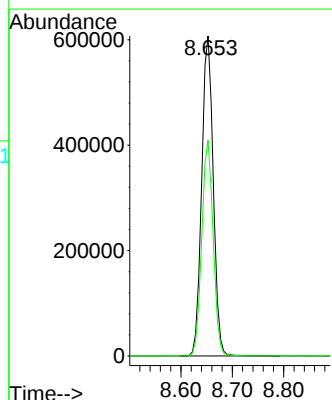
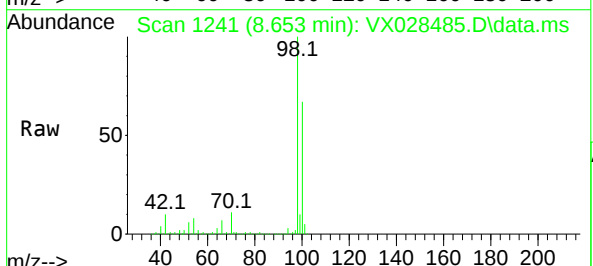
Acq: 02 May 2022 19:55

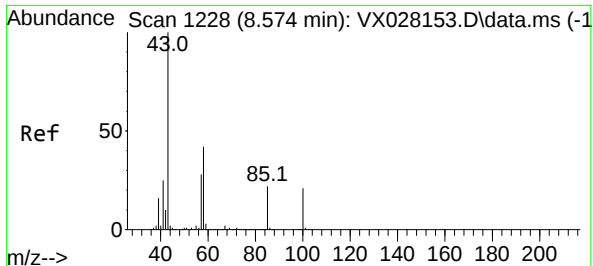
Tgt Ion: 98 Resp: 945906

Ion Ratio Lower Upper

98 100

100 66.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.418 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028485.D

Acq: 02 May 2022 19:55

Instrument :

MSVOA_X

ClientSampleId :

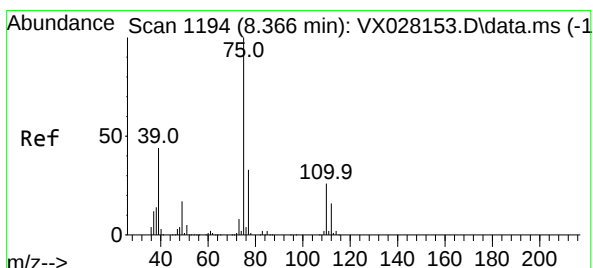
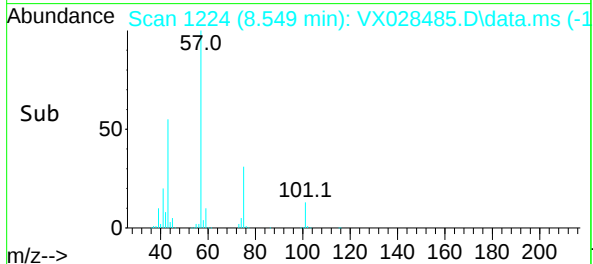
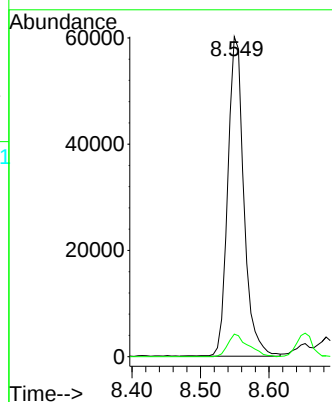
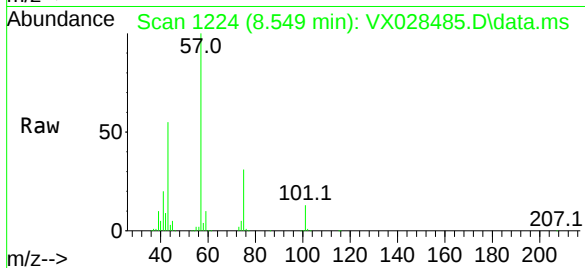
MH-20D

Tgt Ion: 43 Resp: 97757

Ion Ratio Lower Upper

43 100

58 8.9 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.114 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028485.D

Acq: 02 May 2022 19:55

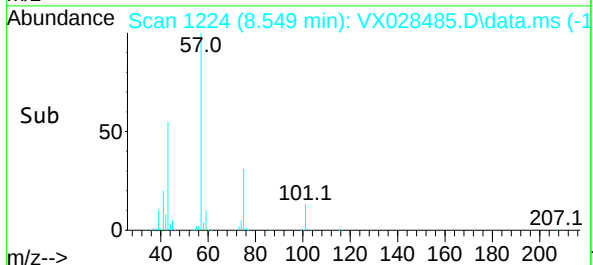
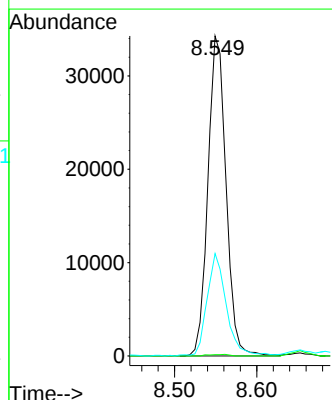
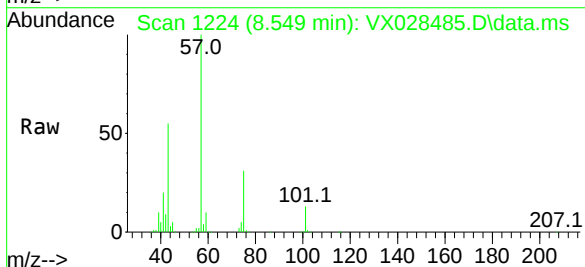
Tgt Ion: 75 Resp: 52471

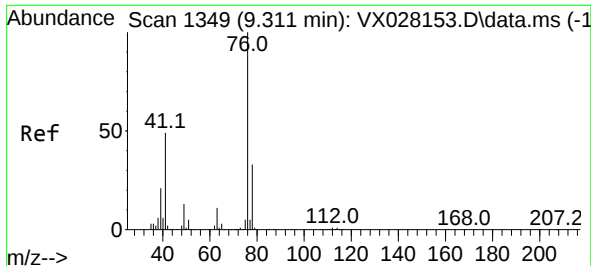
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 31.7 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.501 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX028485.D

Acq: 02 May 2022 19:55

Instrument :

MSVOA_X

ClientSampleId :

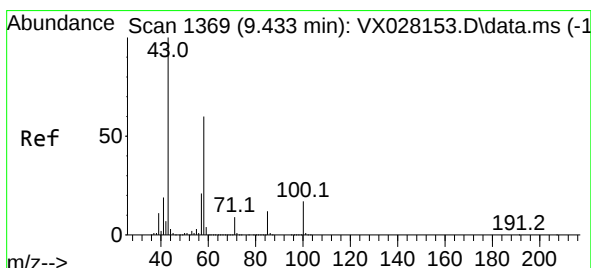
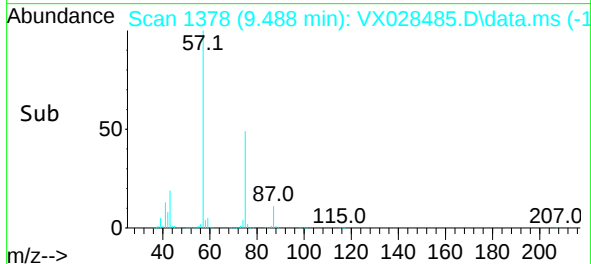
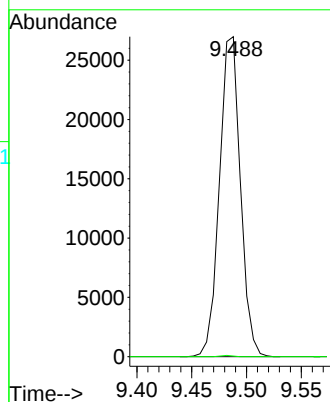
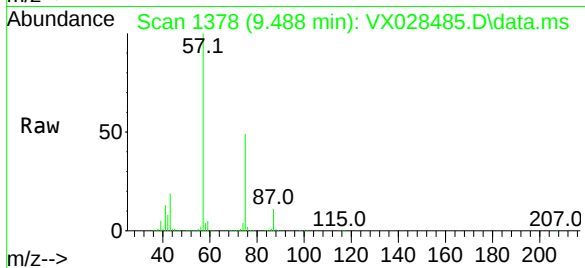
MH-20D

Tgt Ion: 76 Resp: 35916

Ion Ratio Lower Upper

76 100

78 0.2 25.8 38.8#



#59

2-Hexanone

Concen: 80.846 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028485.D

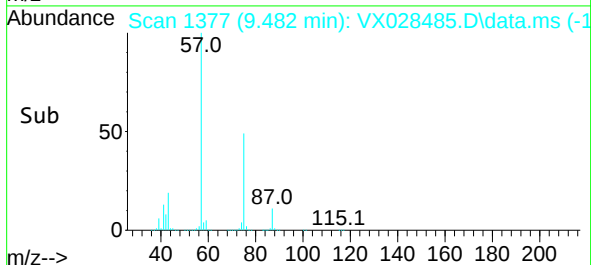
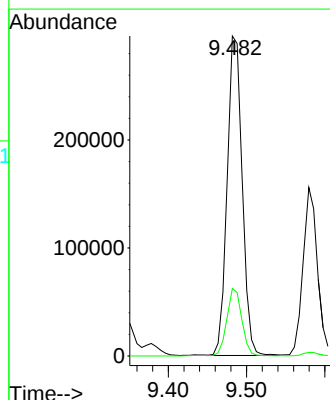
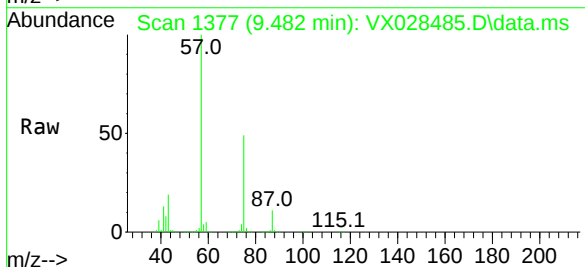
Acq: 02 May 2022 19:55

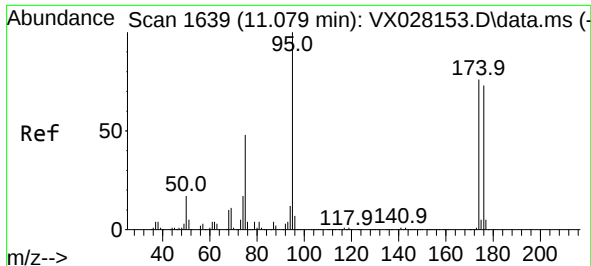
Tgt Ion: 43 Resp: 397062

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#

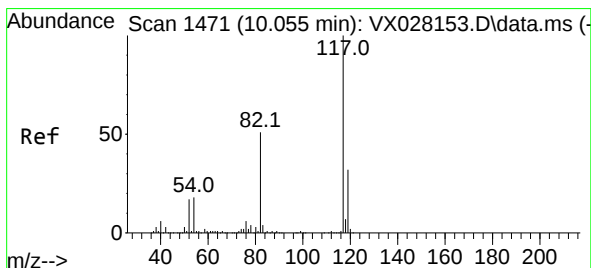
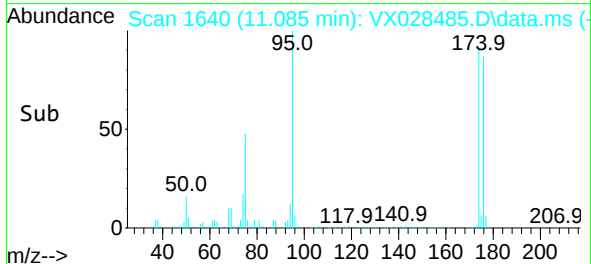
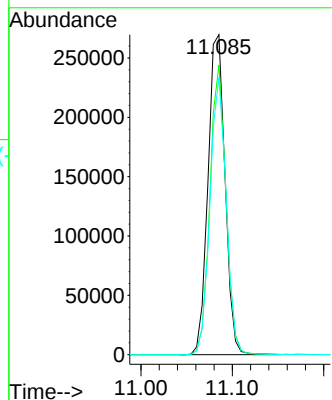
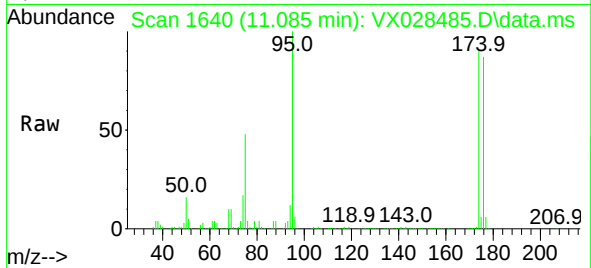




#62
4-Bromofluorobenzene
Concen: 51.711 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

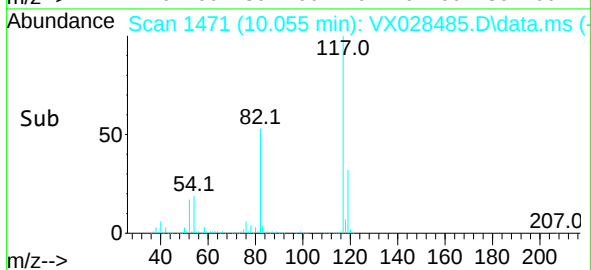
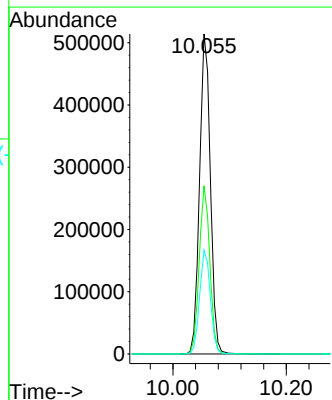
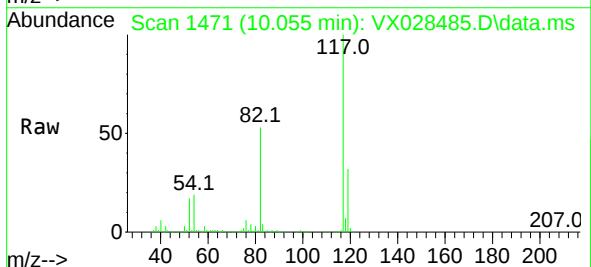
Instrument :
MSVOA_X
ClientSampleId :
MH-20D

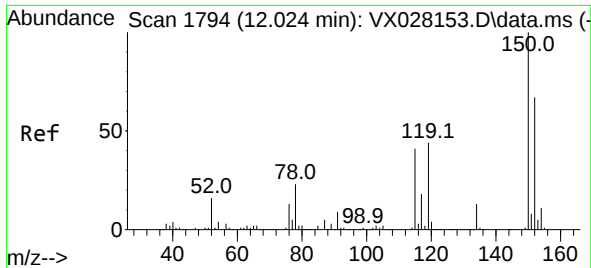
Tgt Ion: 95 Resp: 348320
Ion Ratio Lower Upper
95 100
174 85.6 0.0 163.0
176 82.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028485.D
Acq: 02 May 2022 19:55

Tgt Ion: 117 Resp: 678131
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.4 24.8 37.2

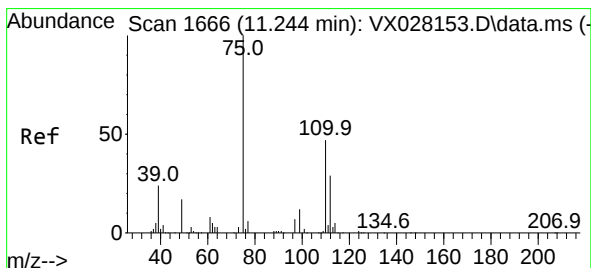
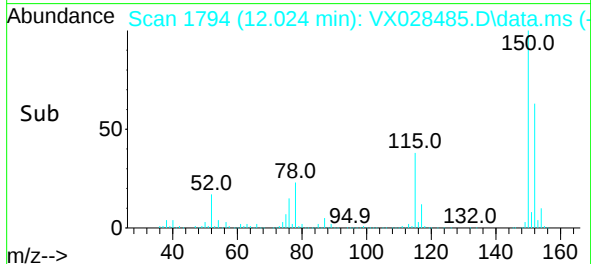
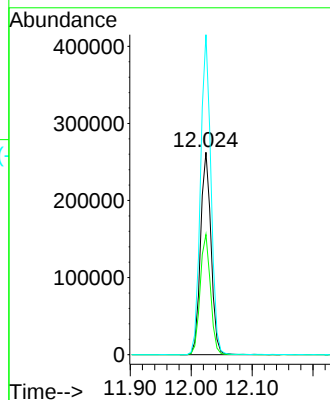
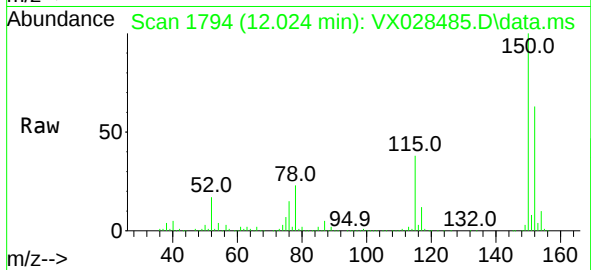




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028485.D
 Acq: 02 May 2022 19:55

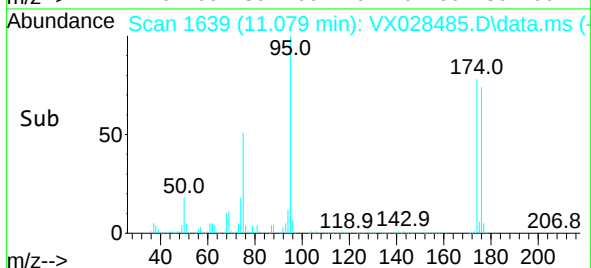
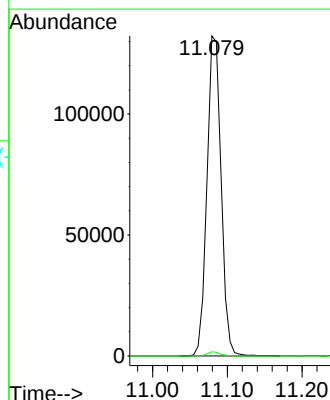
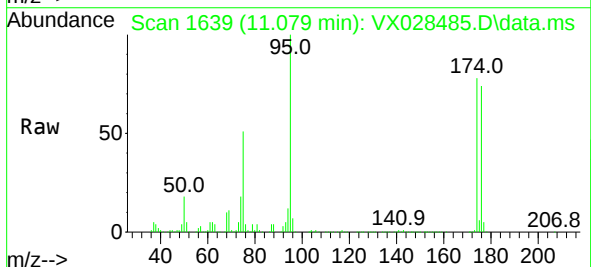
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20D

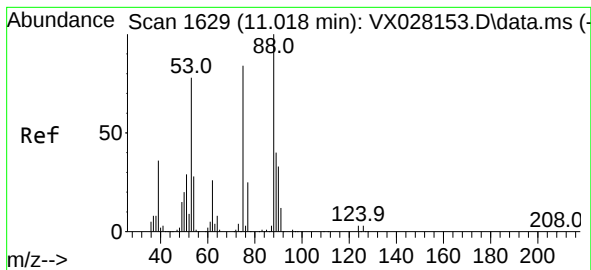
Tgt Ion:152 Resp: 314492
 Ion Ratio Lower Upper
 152 100
 115 58.5 37.5 112.7
 150 156.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.057 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028485.D
 Acq: 02 May 2022 19:55

Tgt Ion: 75 Resp: 173654
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.377 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028485.D
 Acq: 02 May 2022 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20D

Tgt Ion: 75 Resp: 173654
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

