

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031774.D
 Acq On : 29 Sep 2022 15:32
 Operator : JC/MD
 Sample : N4860-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-05

Quant Time: Sep 30 04:33:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

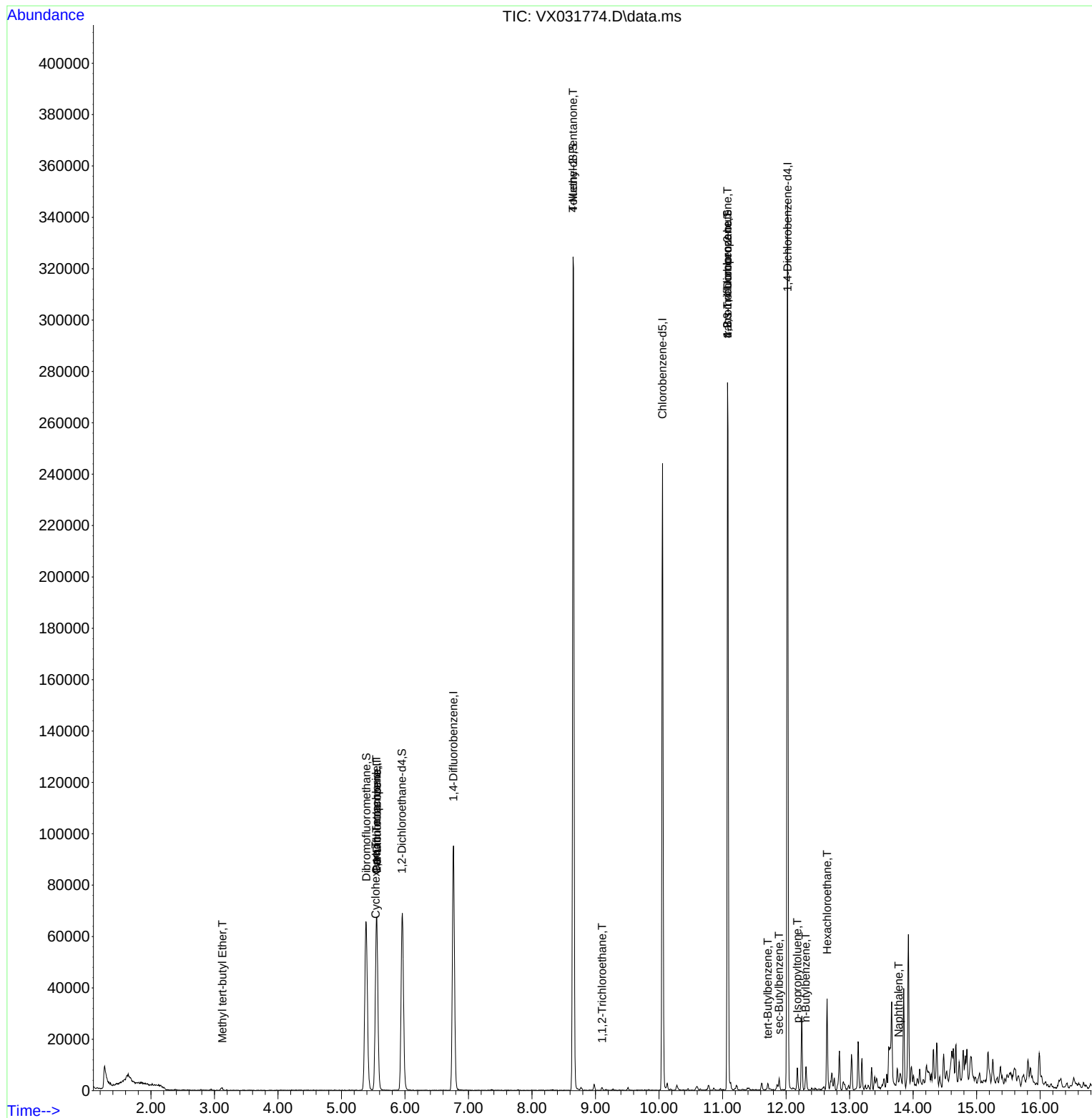
Internal Standards						
1) Pentafluorobenzene	5.556	168	64651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	101164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67179	48.959	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.920%		
35) Dibromofluoromethane	5.391	113	56237	46.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.300%		
50) Toluene-d8	8.647	98	199502	45.652	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.300%		
62) 4-Bromofluorobenzene	11.079	95	70763	44.180	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.360%		
Target Compounds					Qvalue	
3) Chloromethane	1.282	50	491	Below Cal	#	41
5) Bromomethane	1.624	94	294	Below Cal		84
6) Chloroethane	1.776	64	405	Below Cal	#	43
8) Diethyl Ether	2.185	74	20	Below Cal	#	1
11) Tert butyl alcohol	2.947	59	135	Below Cal	#	73
16) Acetone	2.392	43	429	Below Cal	#	45
17) Carbon Disulfide	2.520	76	180	Below Cal	#	75
19) Methyl tert-butyl Ether	3.123	73	1258	0.412 ug/l	#	84
20) Methylene Chloride	2.788	84	155	Below Cal	#	37
31) Cyclohexane	5.538	56	1438	1.102 ug/l	#	47
36) 1,1-Dichloropropene	5.556	75	4871	3.519 ug/l	#	51
38) Carbon Tetrachloride	5.550	117	7051	4.520 ug/l	#	17
51) 4-Methyl-2-Pentanone	8.647	43	793	0.570 ug/l	#	1
55) 1,1,2-Trichloroethane	9.104	97	491	0.402 ug/l	#	15
76) 1,2,3-Trichloropropane	11.079	75	38383	29.686 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38383	97.879 ug/l	#	11
83) tert-Butylbenzene	11.713	119	1121	0.297 ug/l		88
85) sec-Butylbenzene	11.890	105	2259	0.471 ug/l	#	77
86) p-Isopropyltoluene	12.177	119	3569	0.864 ug/l		93
89) n-Butylbenzene	12.311	91	760	0.225 ug/l	#	1
90) Hexachloroethane	12.646	117	11106	16.761 ug/l	#	15
95) Naphthalene	13.774	128	1954	0.439 ug/l	#	69

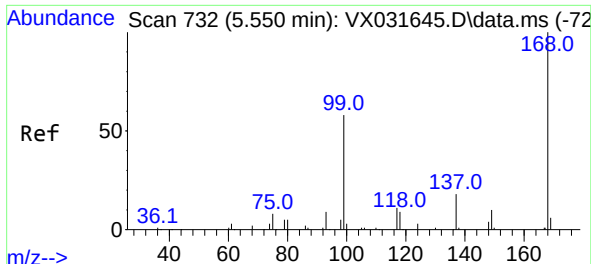
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

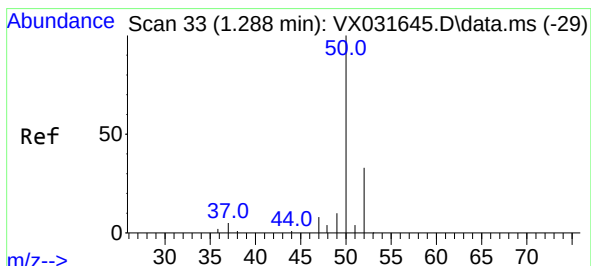
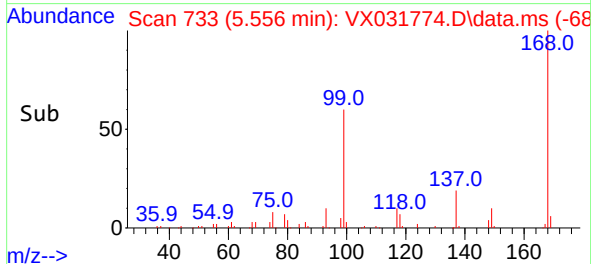
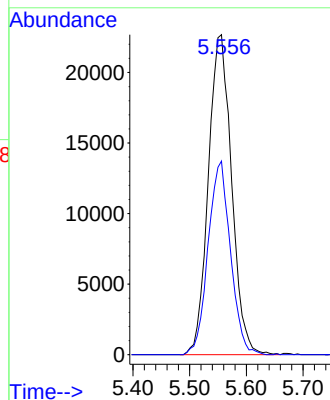
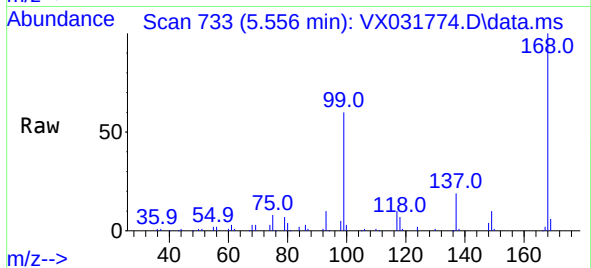




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

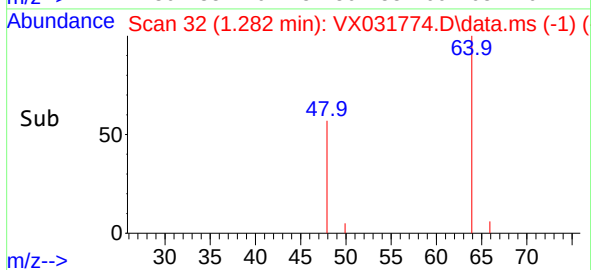
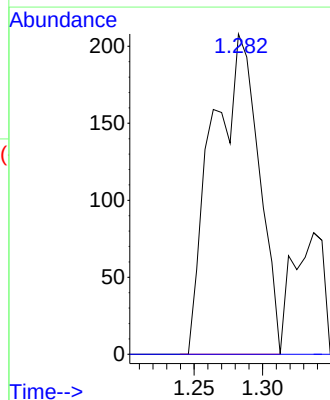
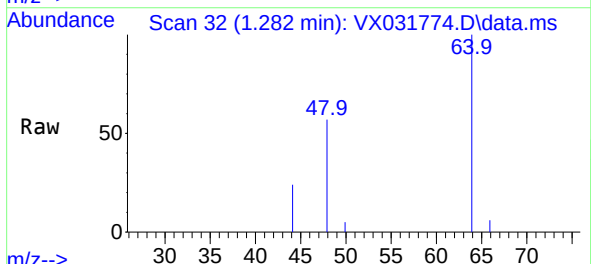
Instrument :
MSVOA_X
ClientSampleId :
MW-05

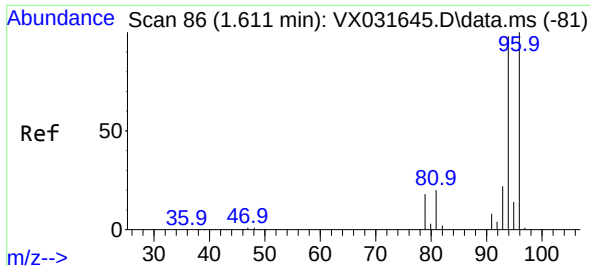
Tgt Ion:168 Resp: 64651
Ion Ratio Lower Upper
168 100
99 60.5 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion: 50 Resp: 491
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

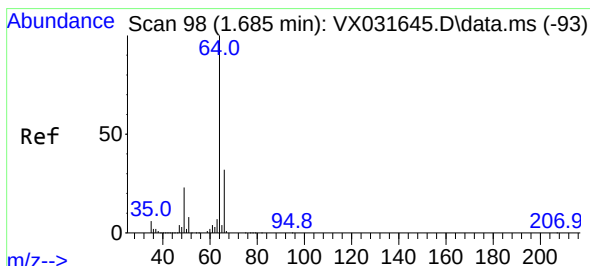
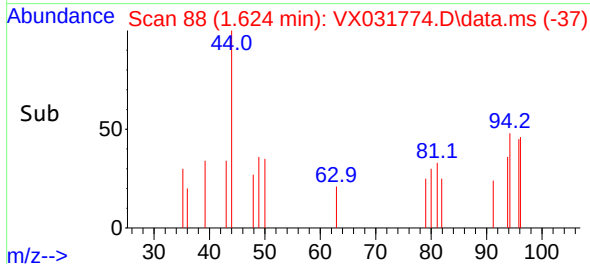
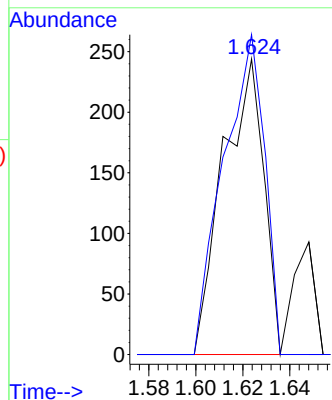
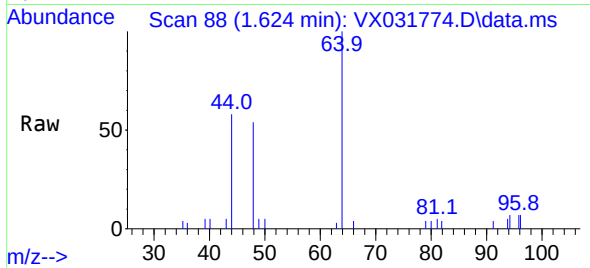




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

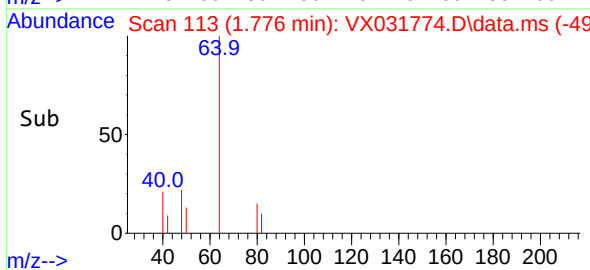
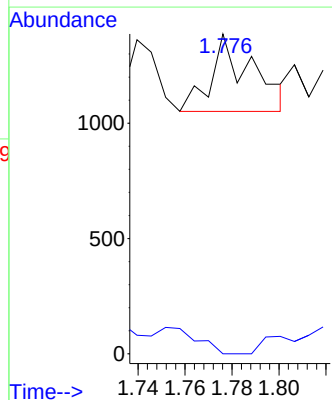
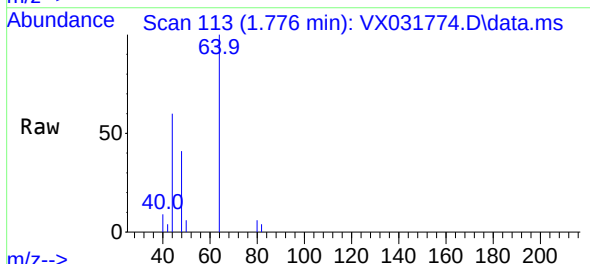
Instrument :
MSVOA_X
ClientSampleId :
MW-05

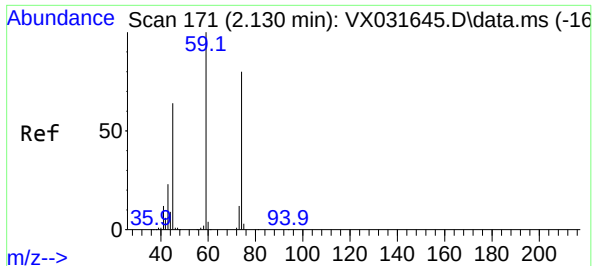
Tgt Ion: 94 Resp: 294
Ion Ratio Lower Upper
94 100
96 108.2 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.776 min Scan# 113
Delta R.T. 0.091 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion: 64 Resp: 405
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

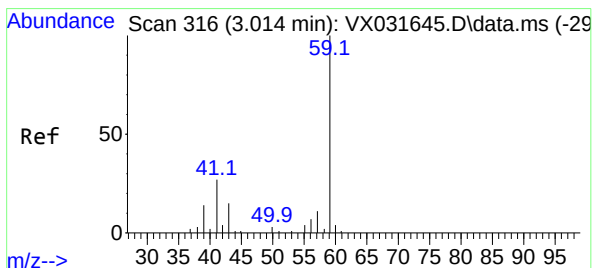
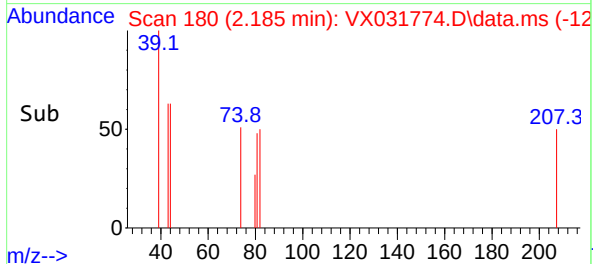
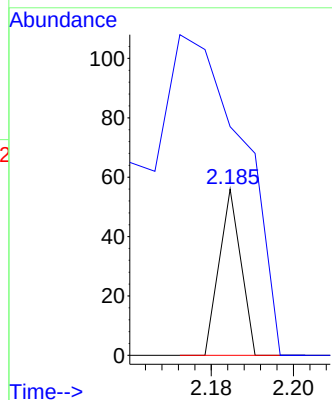
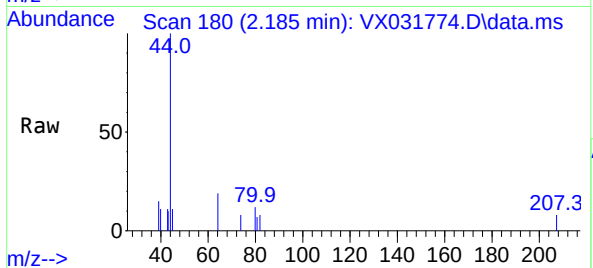




#8
Diethyl Ether
Concen: Below Cal
RT: 2.185 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

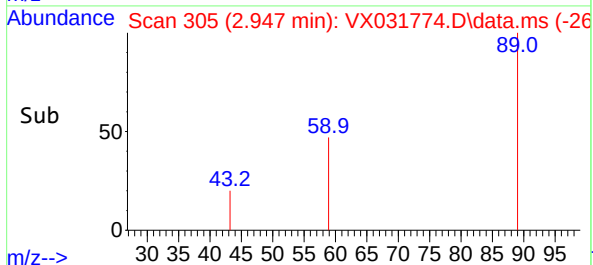
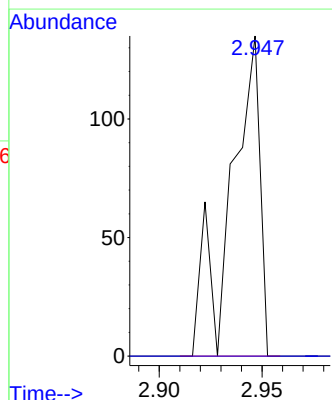
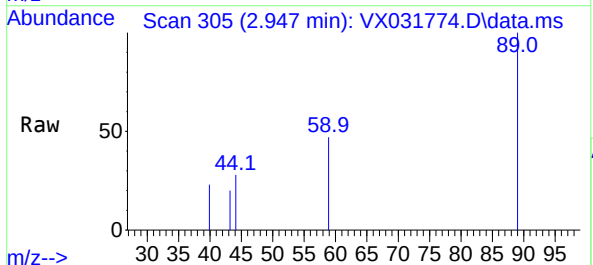
Instrument :
MSVOA_X
ClientSampleId :
MW-05

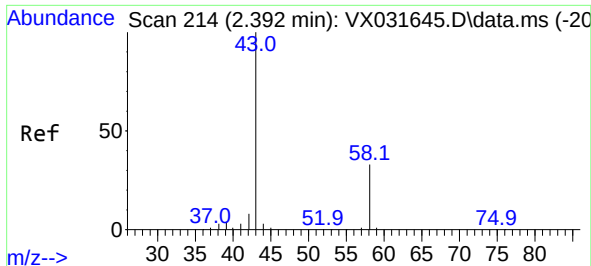
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 885.0 48.5 145.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

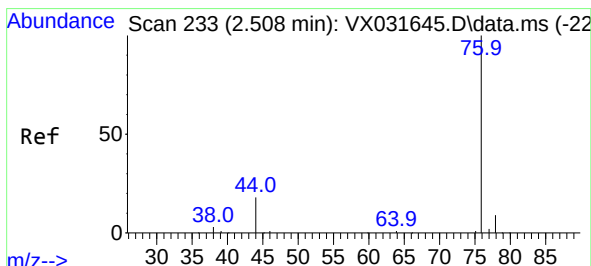
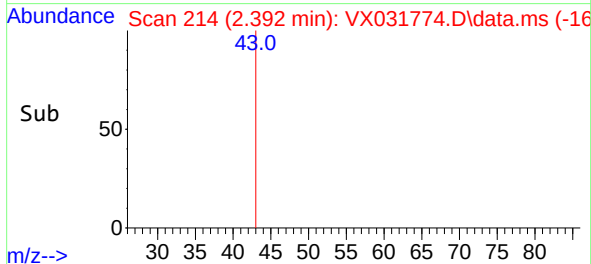
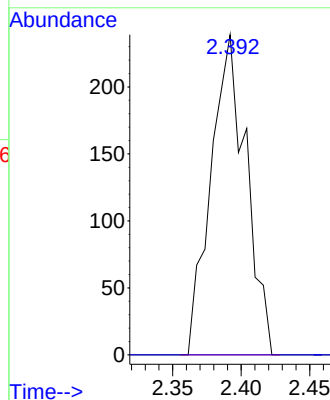
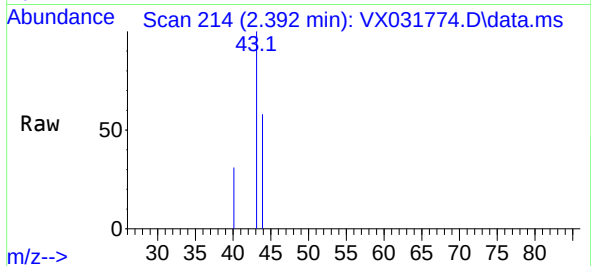




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

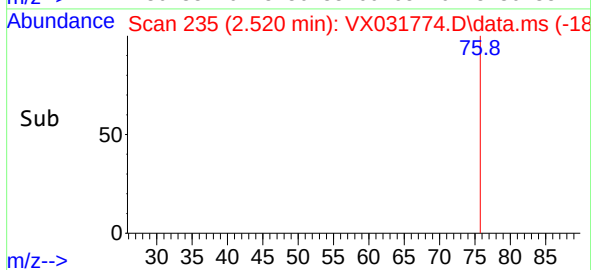
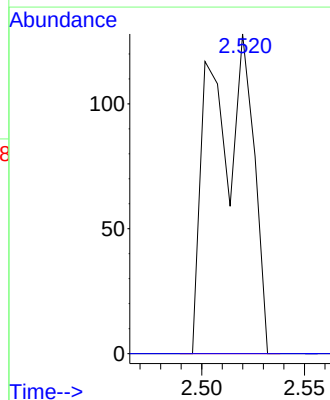
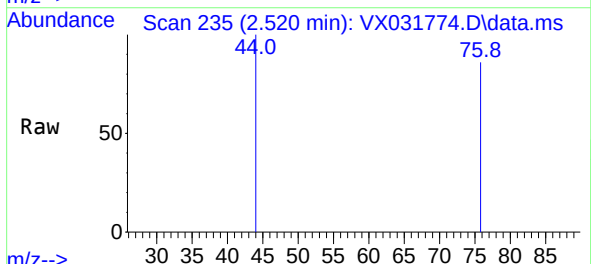
Instrument :
MSVOA_X
ClientSampleId :
MW-05

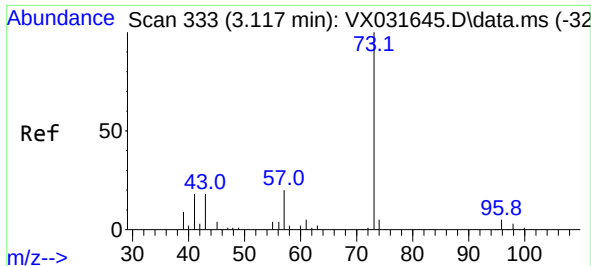
Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion: 76 Resp: 180
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

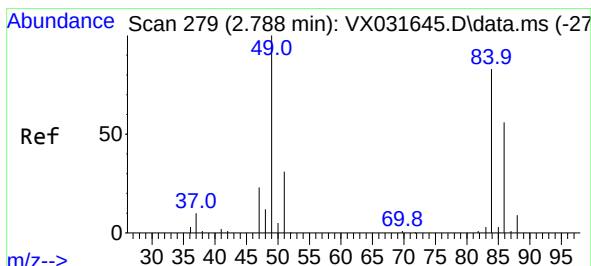
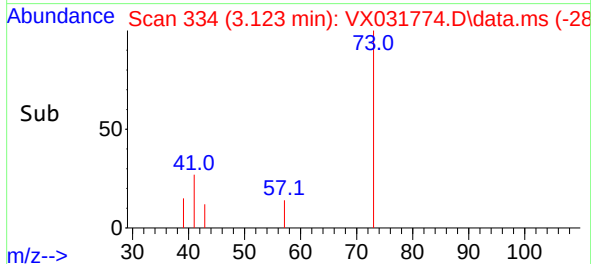
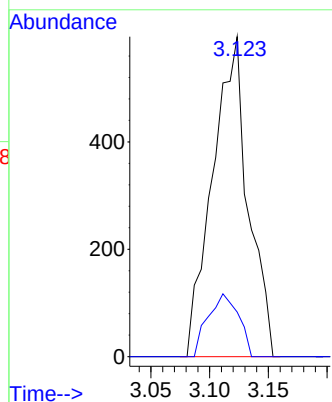
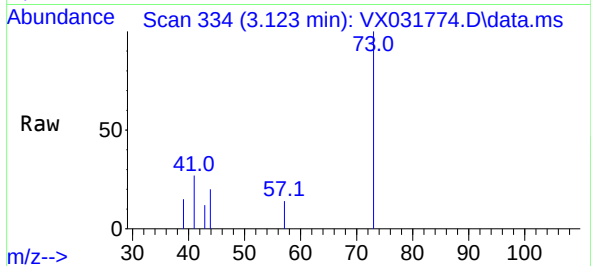




#19
Methyl tert-butyl Ether
Concen: 0.412 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

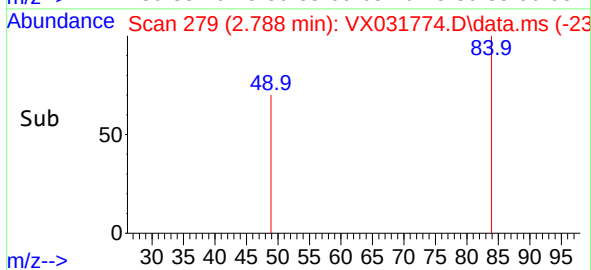
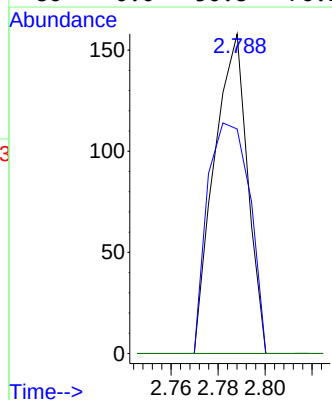
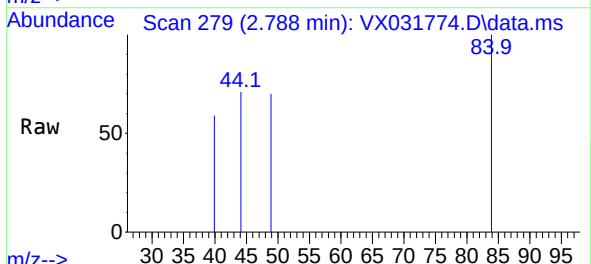
Instrument :
MSVOA_X
ClientSampleId :
MW-05

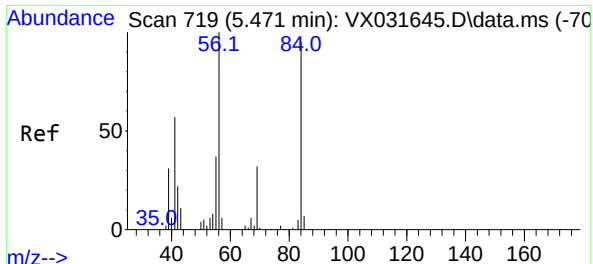
Tgt Ion: 73 Resp: 1258
Ion Ratio Lower Upper
73 100
57 13.9 17.2 25.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

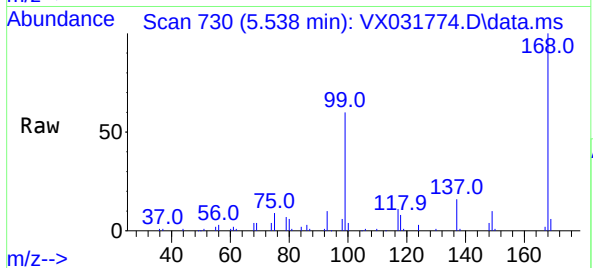
Tgt Ion: 84 Resp: 155
Ion Ratio Lower Upper
84 100
49 70.3 105.9 158.9#
51 0.0 32.2 48.2#
86 0.0 50.8 76.2#



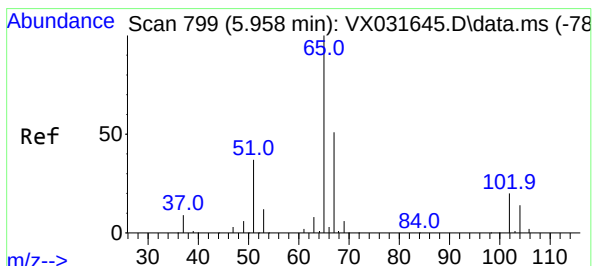
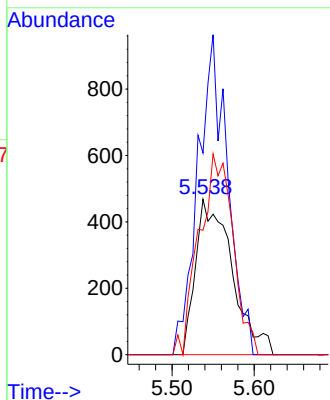
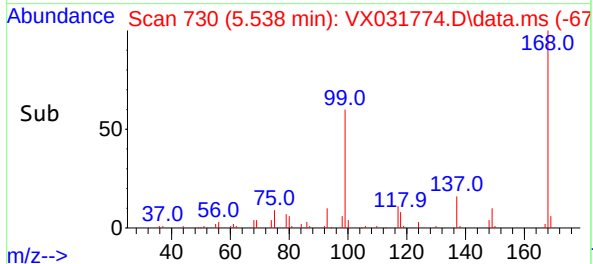


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.538 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Instrument :
MSVOA_X
ClientSampleId :
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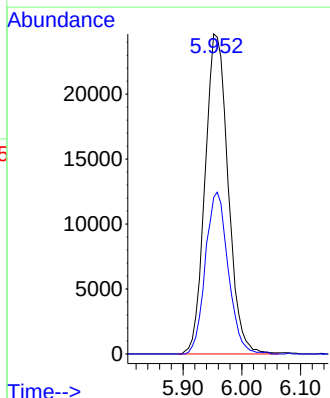
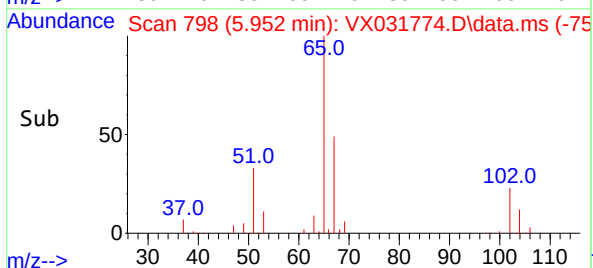
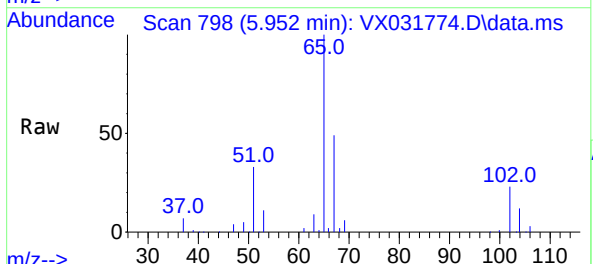


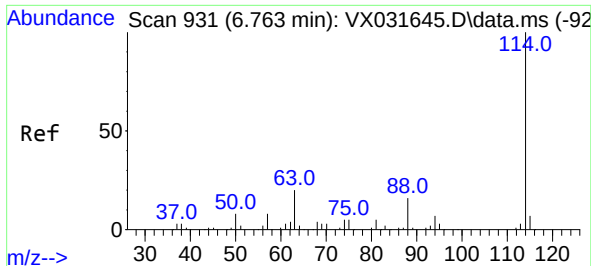
Tgt Ion: 56 Resp: 1438
Ion Ratio Lower Upper
56 100
69 129.9 25.1 37.7#
84 80.1 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 48.959 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion: 65 Resp: 67179
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4

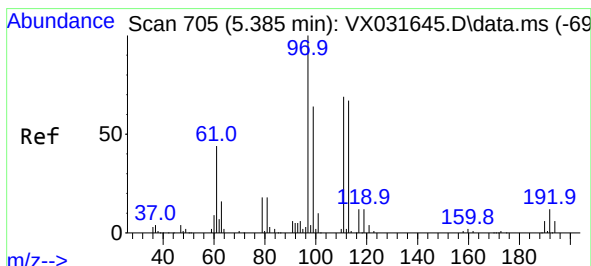
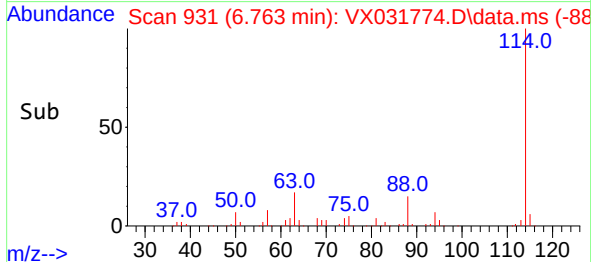
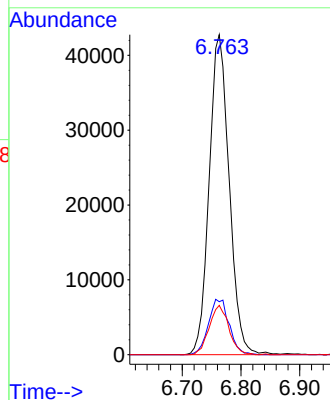
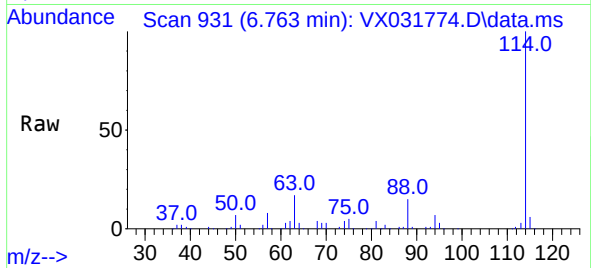




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

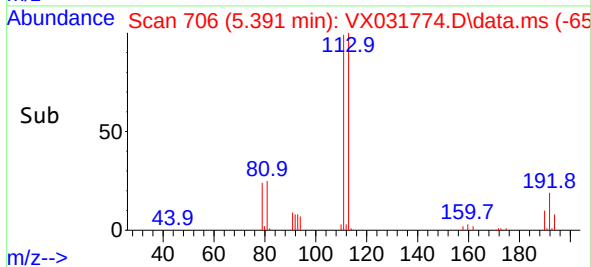
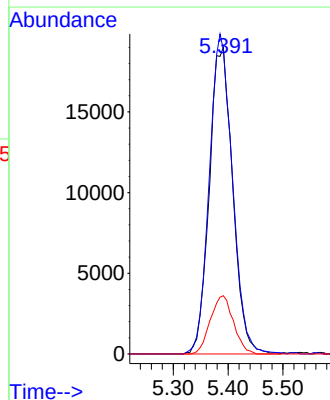
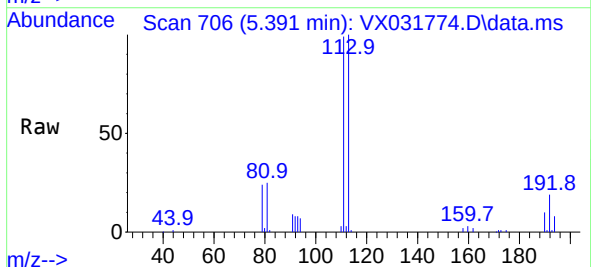
Instrument :
MSVOA_X
ClientSampleId :
MW-05

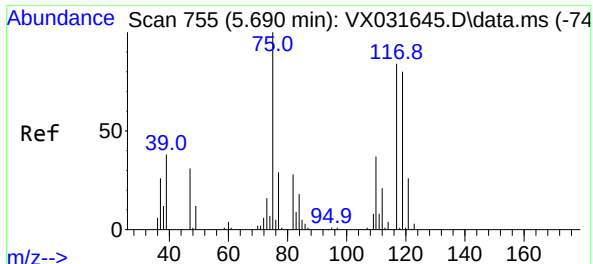
Tgt Ion:114 Resp: 101164
Ion Ratio Lower Upper
114 100
63 16.6 0.0 42.6
88 15.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.655 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion:113 Resp: 56237
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 18.8 14.1 21.1

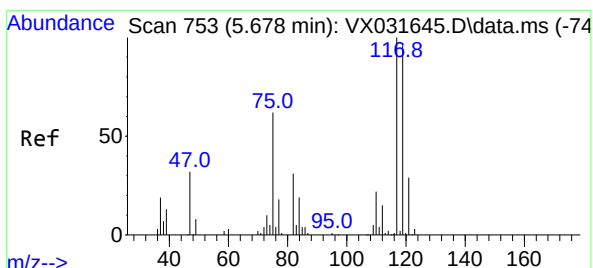
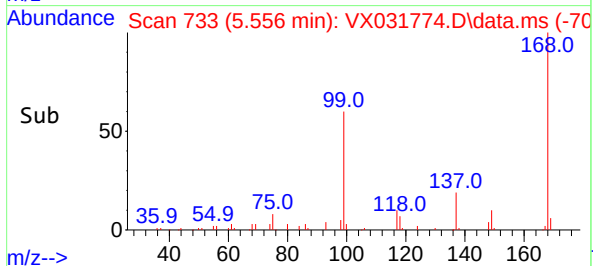
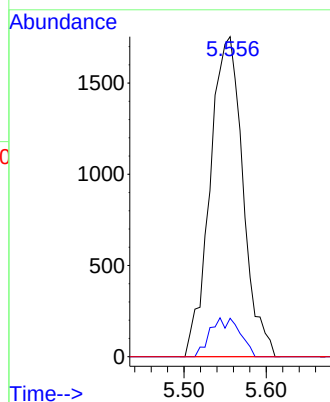
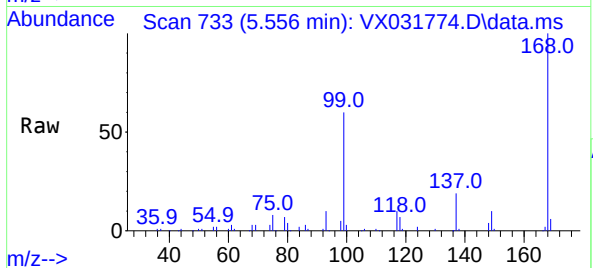




#36
1,1-Dichloropropene
Concen: 3.519 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

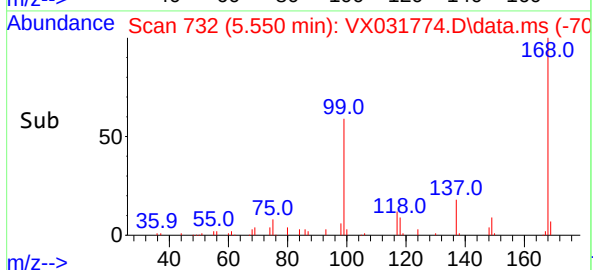
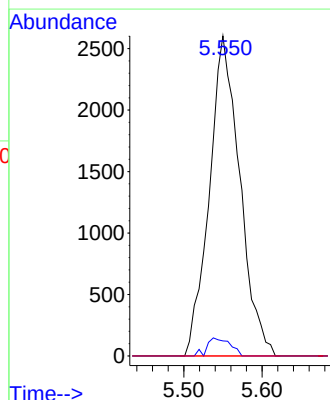
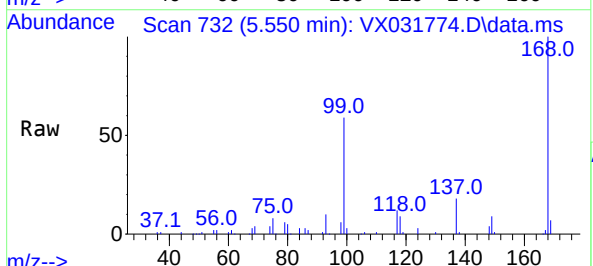
Instrument :
MSVOA_X
ClientSampleId :
MW-05

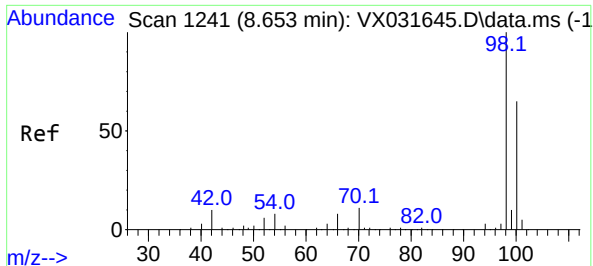
Tgt Ion: 75 Resp: 4871
Ion Ratio Lower Upper
75 100
110 10.9 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.520 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion: 117 Resp: 7051
Ion Ratio Lower Upper
117 100
119 4.7 74.6 112.0#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 45.652 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031774.D

Acq: 29 Sep 2022 15:32

Instrument :

MSVOA_X

ClientSampleId :

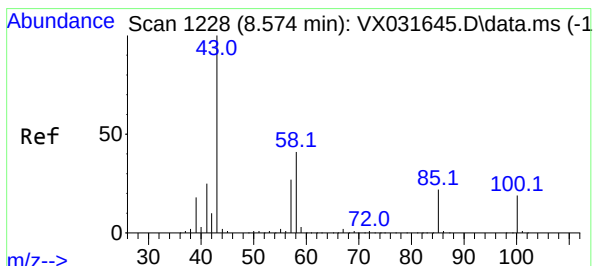
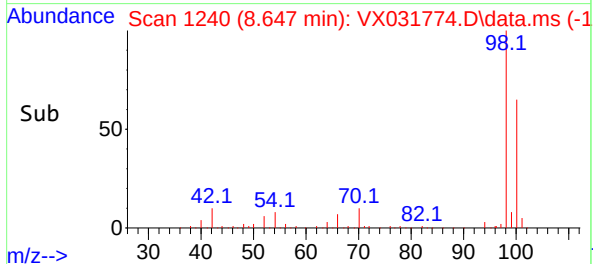
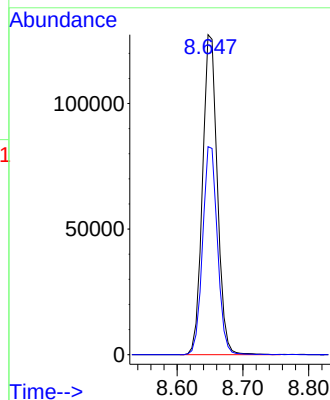
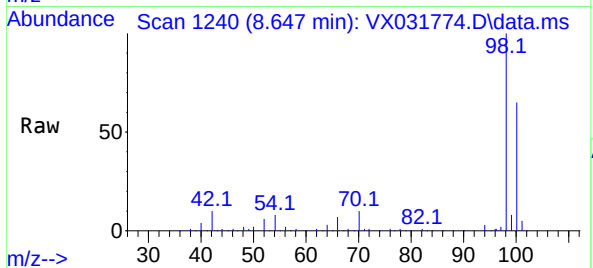
MW-05

Tgt Ion: 98 Resp: 199502

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.570 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031774.D

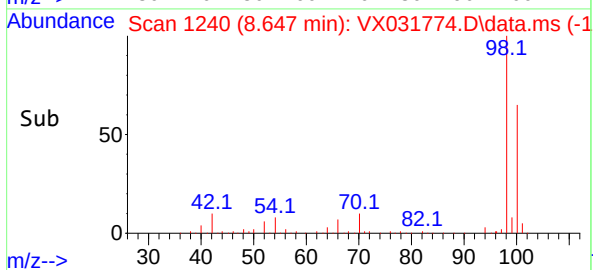
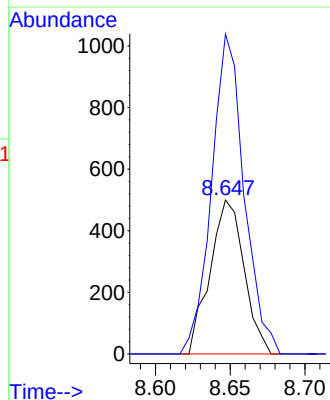
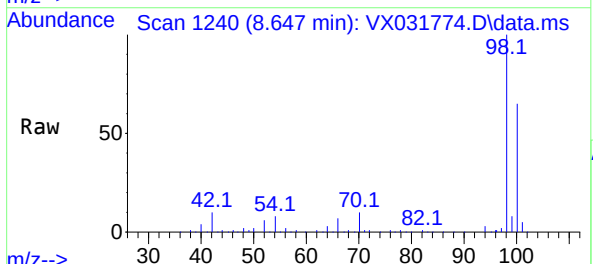
Acq: 29 Sep 2022 15:32

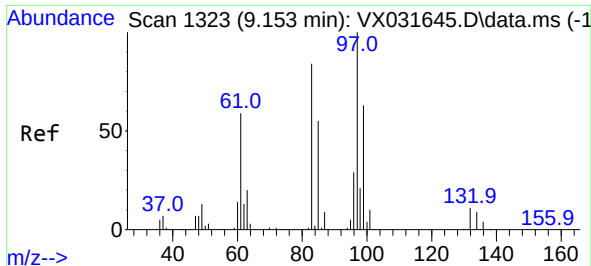
Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

58 198.5 30.6 46.0#





#55

1,1,2-Trichloroethane

Concen: 0.402 ug/l

RT: 9.104 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX031774.D

Acq: 29 Sep 2022 15:32

Instrument :

MSVOA_X

ClientSampleId :

MW-05

Tgt Ion: 97 Resp: 491

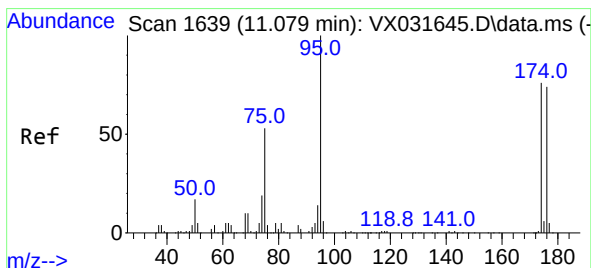
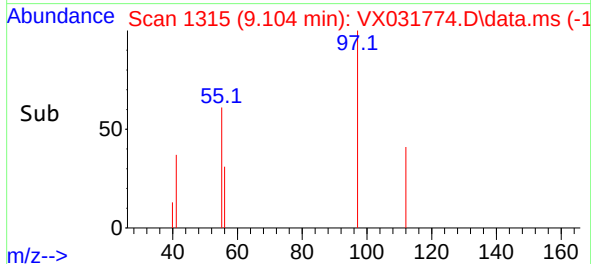
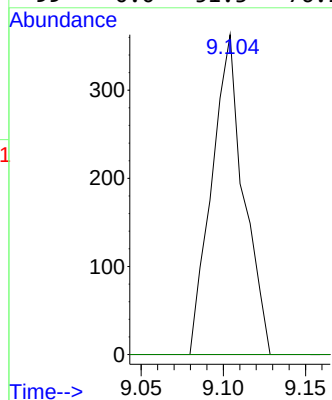
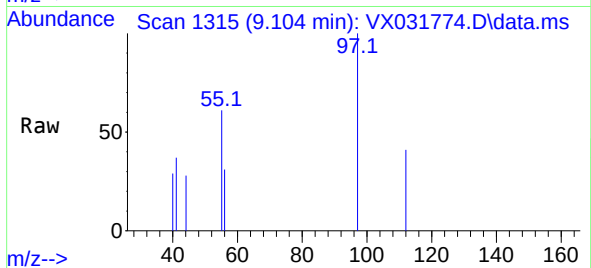
Ion Ratio Lower Upper

97 100

83 0.0 69.0 103.6#

85 0.0 44.1 66.1#

99 0.0 51.3 76.9#



#62

4-Bromofluorobenzene

Concen: 44.180 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031774.D

Acq: 29 Sep 2022 15:32

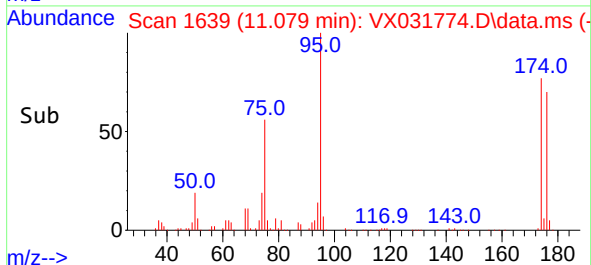
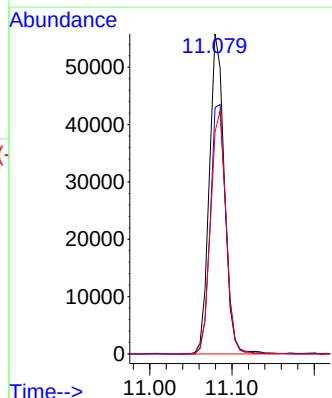
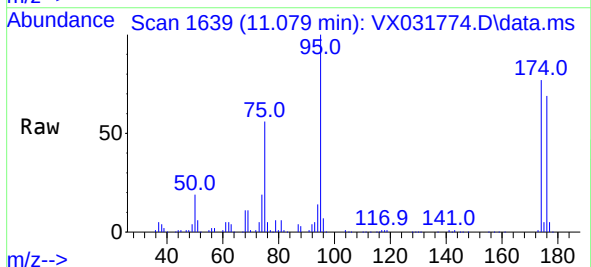
Tgt Ion: 95 Resp: 70763

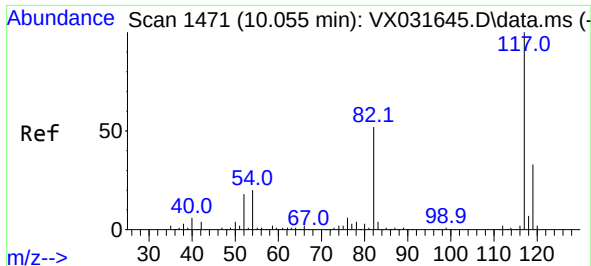
Ion Ratio Lower Upper

95 100

174 81.1 0.0 153.2

176 77.7 0.0 144.0

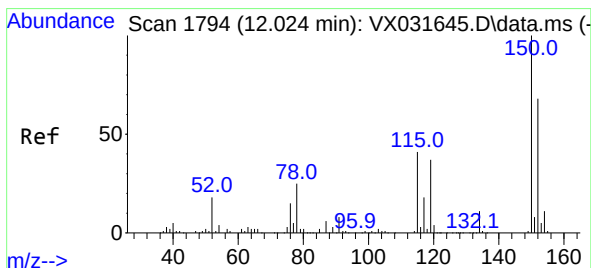
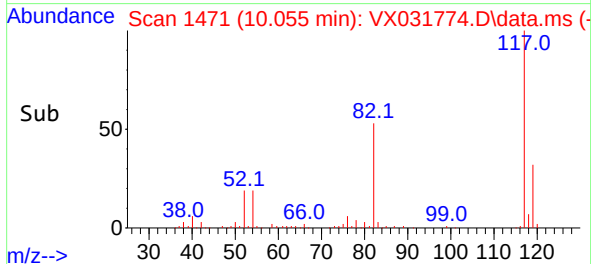
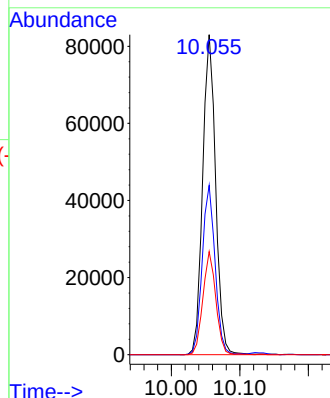
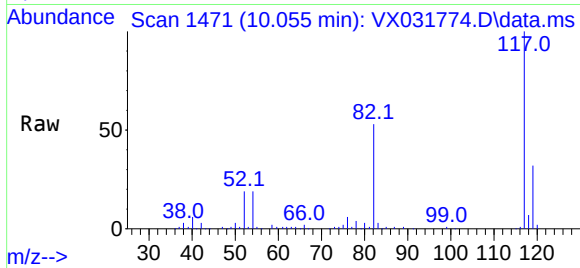




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

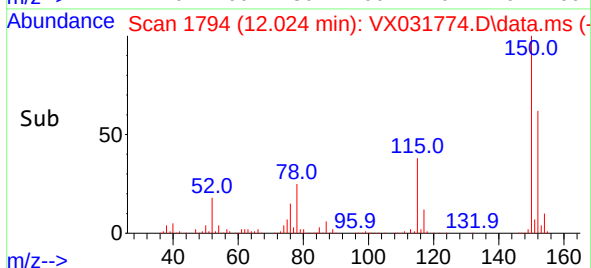
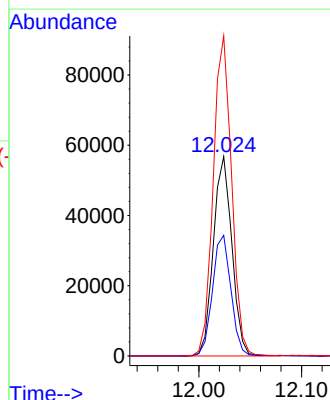
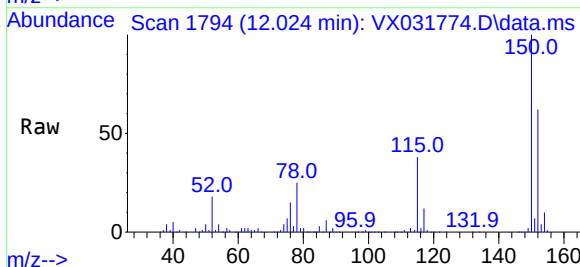
Instrument :
MSVOA_X
ClientSampleId :
MW-05

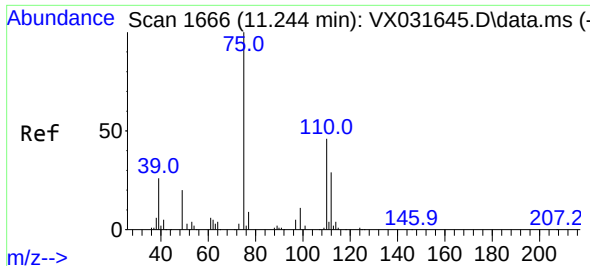
Tgt Ion:117 Resp: 109379
Ion Ratio Lower Upper
117 100
82 52.9 46.8 70.2
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion:152 Resp: 71321
Ion Ratio Lower Upper
152 100
115 60.5 43.4 130.1
150 158.8 0.0 346.8

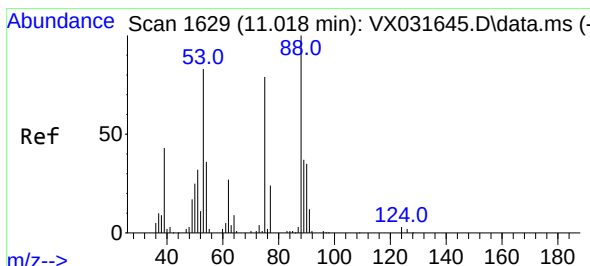
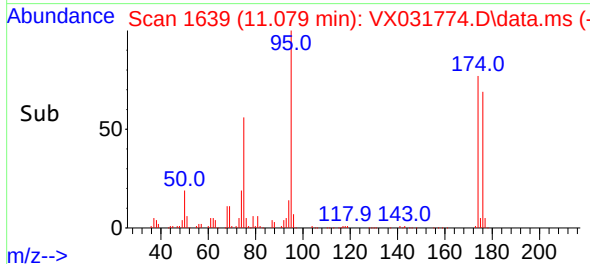
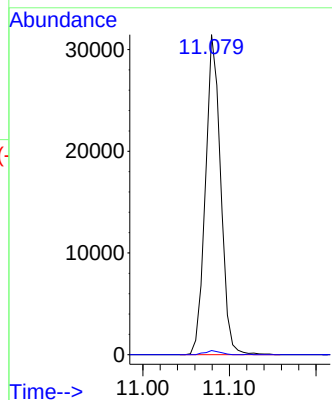
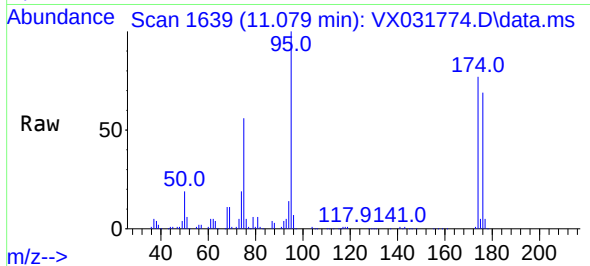




#76
1,2,3-Trichloropropane
Concen: 29.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

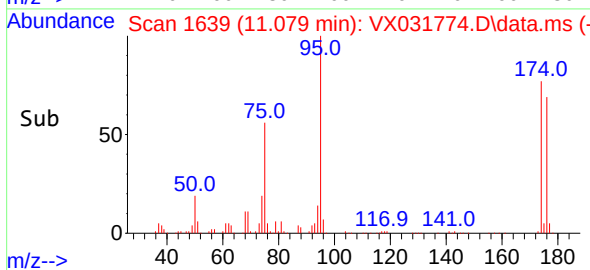
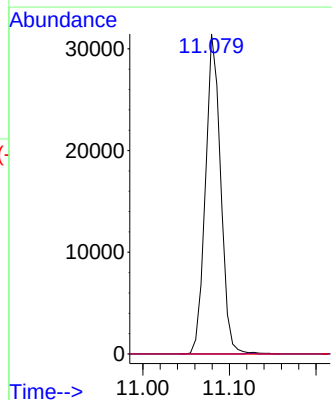
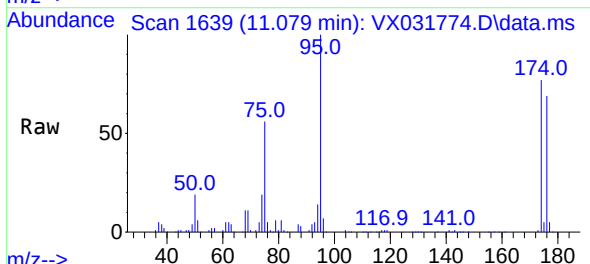
Instrument :
MSVOA_X
ClientSampleId :
MW-05

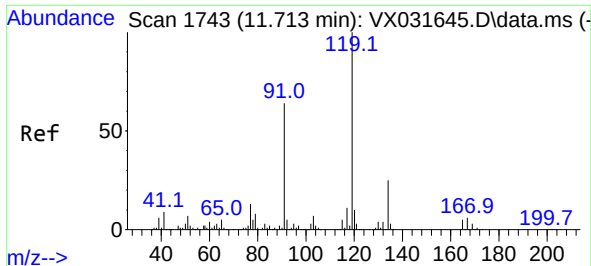
Tgt Ion: 75 Resp: 38383
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.879 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion: 75 Resp: 38383
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

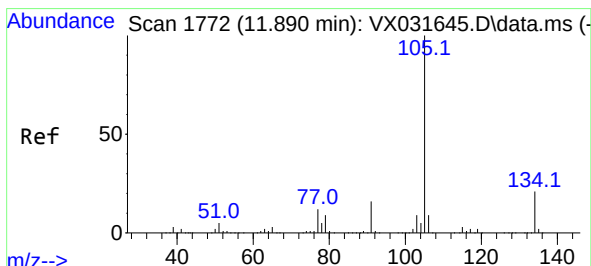
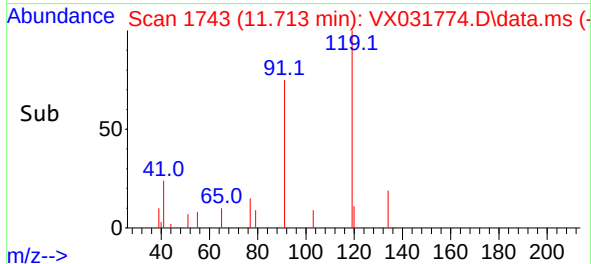
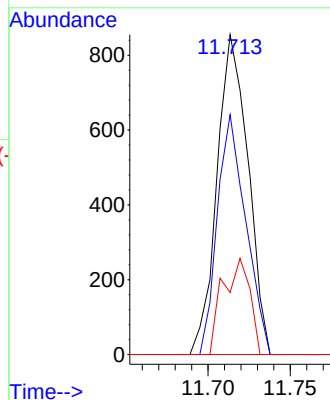
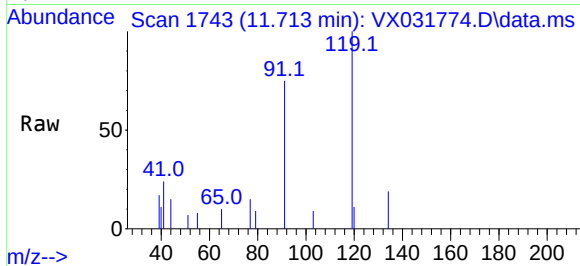




#83
tert-Butylbenzene
Concen: 0.297 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

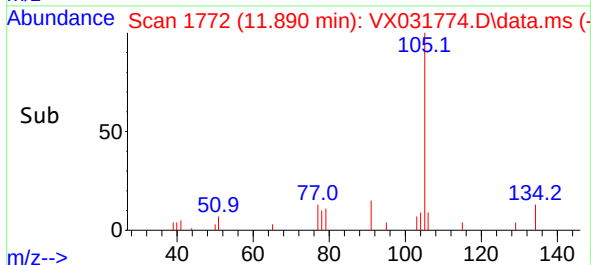
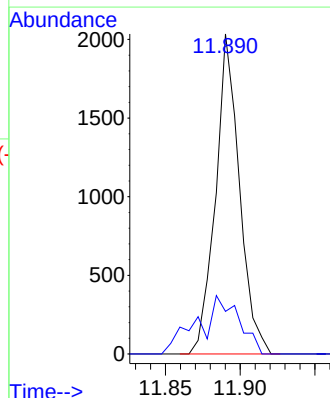
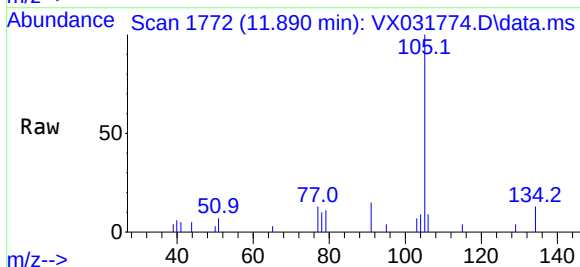
Instrument :
MSVOA_X
ClientSampleId :
MW-05

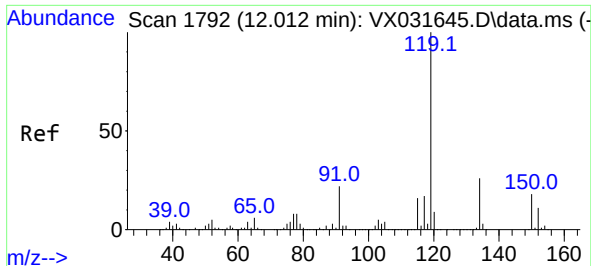
Tgt Ion:	119	Resp:	1121
Ion	Ratio	Lower	Upper
119	100		
91	68.8	29.2	87.6
134	26.1	11.6	34.8



#85
sec-Butylbenzene
Concen: 0.471 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion:	105	Resp:	2259
Ion	Ratio	Lower	Upper
105	100		
134	31.3	10.4	31.1#





#86

p-Isopropyltoluene

Concen: 0.864 ug/l

RT: 12.177 min Scan# 119

Delta R.T. 0.165 min

Lab File: VX031774.D

Acq: 29 Sep 2022 15:32

Instrument :

MSVOA_X

ClientSampleId :

MW-05

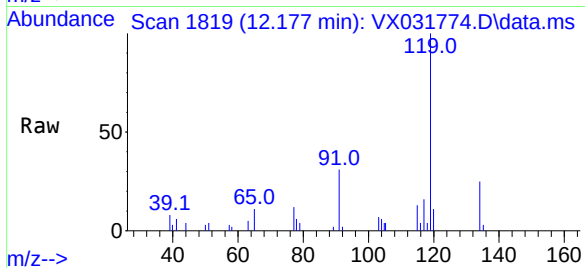
Tgt Ion:119 Resp: 3569

Ion Ratio Lower Upper

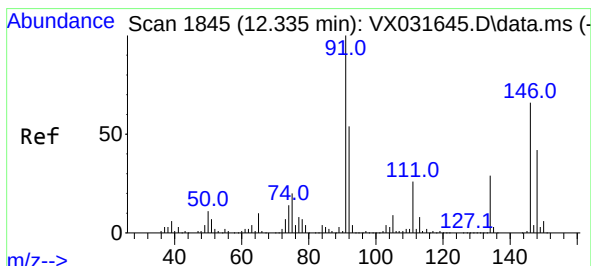
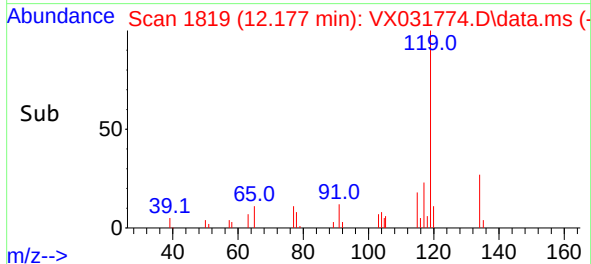
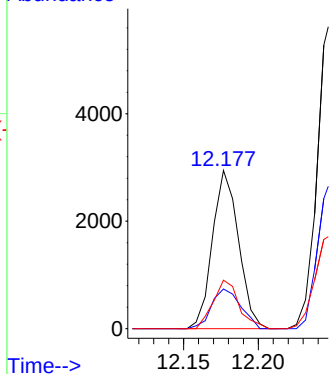
119 100

134 28.1 13.4 40.2

91 30.5 12.4 37.2



Abundance



#89

n-Butylbenzene

Concen: 0.225 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.024 min

Lab File: VX031774.D

Acq: 29 Sep 2022 15:32

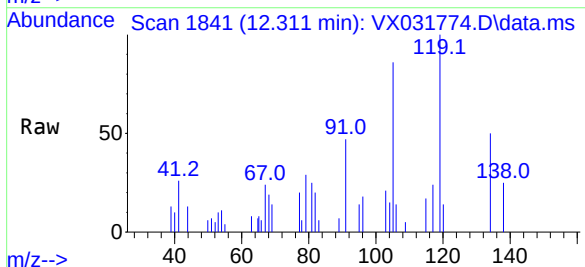
Tgt Ion: 91 Resp: 760

Ion Ratio Lower Upper

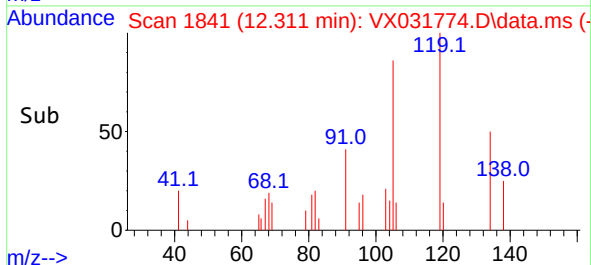
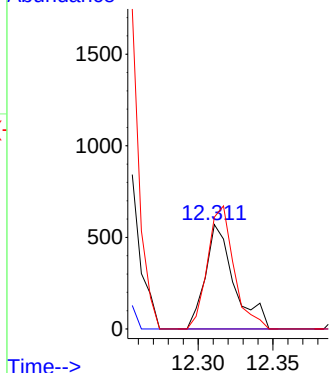
91 100

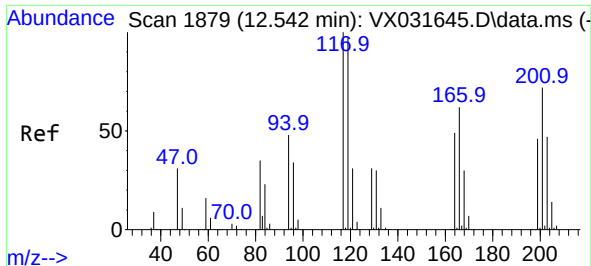
92 0.0 27.0 81.0#

134 108.4 13.3 39.9#



Abundance

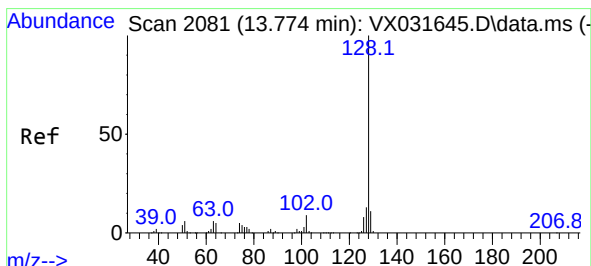
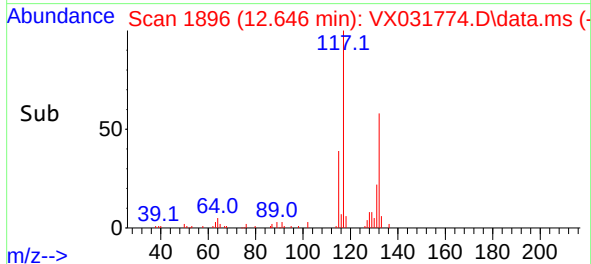
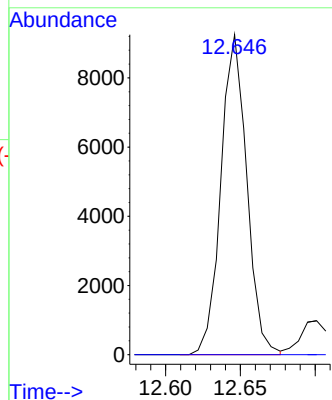
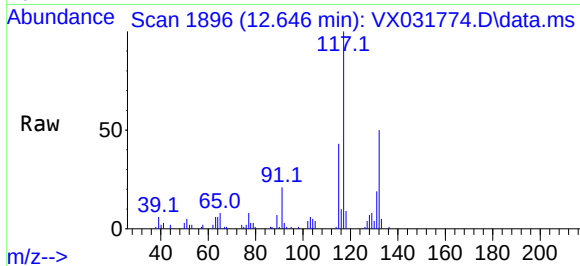




#90
Hexachloroethane
Concen: 16.761 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Instrument :
MSVOA_X
ClientSampleId :
MW-05

Tgt Ion:117 Resp: 11106
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#95
Naphthalene
Concen: 0.439 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX031774.D
Acq: 29 Sep 2022 15:32

Tgt Ion:128 Resp: 1954
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

