

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031793.D
 Acq On : 30 Sep 2022 00:02
 Operator : JC/MD
 Sample : N4864-09 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Quant Time: Sep 30 04:45:39 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)

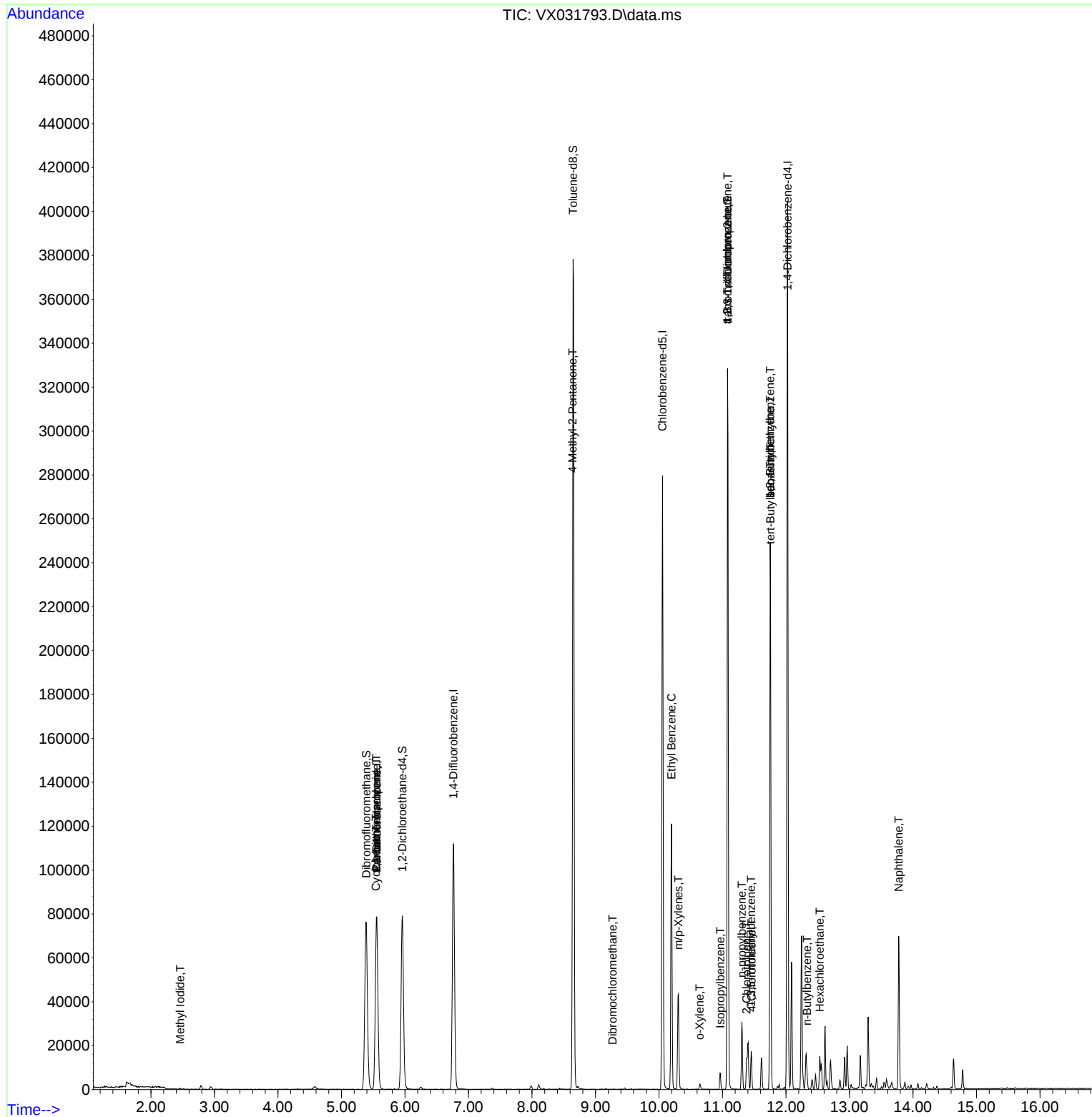
Internal Standards						
1) Pentafluorobenzene	5.556	168	77678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	119331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75540	45.819	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.640%		
35) Dibromofluoromethane	5.391	113	66013	46.427	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.860%		
50) Toluene-d8	8.647	98	232350	45.074	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.140%		
62) 4-Bromofluorobenzene	11.079	95	84071	44.498	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	124	Below Cal	#	88
5) Bromomethane	1.618	94	535	Below Cal	#	79
6) Chloroethane	1.660	64	132	Below Cal	#	43
10) Methyl Iodide	2.459	142	327	0.323 ug/l	#	80
11) Tert butyl alcohol	2.941	59	682	Below Cal	#	73
16) Acetone	2.386	43	223	Below Cal	#	45
17) Carbon Disulfide	2.508	76	377	Below Cal	#	75
20) Methylene Chloride	2.794	84	763	Below Cal	#	66
31) Cyclohexane	5.544	56	1525	0.973 ug/l	#	47
36) 1,1-Dichloropropene	5.550	75	5792	3.547 ug/l	#	51
38) Carbon Tetrachloride	5.550	117	7848	4.265 ug/l	#	17
51) 4-Methyl-2-Pentanone	8.641	43	806	0.491 ug/l	#	1
60) Dibromochloromethane	9.269	129	19	1.551 ug/l	#	11
67) Ethyl Benzene	10.195	91	68615	11.273 ug/l		96
68) m/p-Xylenes	10.305	106	11374	4.651 ug/l		96
69) o-Xylene	10.640	106	720	0.301 ug/l		80
73) Isopropylbenzene	10.964	105	4073	0.735 ug/l		94
76) 1,2,3-Trichloropropane	11.079	75	42796	27.534 ug/l	#	36
78) n-propylbenzene	11.305	91	19567	3.171 ug/l		98
79) 2-Chlorotoluene	11.378	91	1440	0.378 ug/l	#	42
80) 1,3,5-Trimethylbenzene	11.451	105	7752	1.649 ug/l		96
81) trans-1,4-Dichloro-2-b...	11.079	75	42796	91.005 ug/l	#	11
82) 4-Chlorotoluene	11.457	91	1123	0.255 ug/l	#	44
83) tert-Butylbenzene	11.756	119	13330	2.941 ug/l	#	56
84) 1,2,4-Trimethylbenzene	11.750	105	111185	23.899 ug/l		98
85) sec-Butylbenzene	11.750	105	111185	19.303 ug/l	#	56
89) n-Butylbenzene	12.329	91	3061	0.754 ug/l	#	64
90) Hexachloroethane	12.530	117	1207	1.515 ug/l	#	15
95) Naphthalene	13.774	128	43862	8.206 ug/l		99

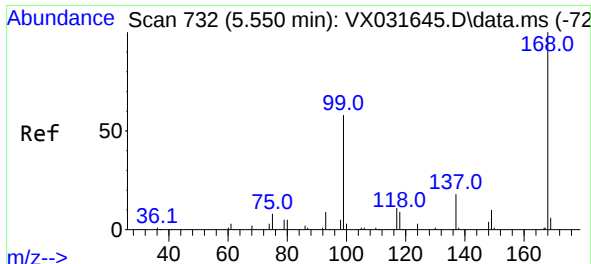
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
Data File : VX031793.D
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Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Sep 27 01:44:18 2022
Response via : Initial Calibration

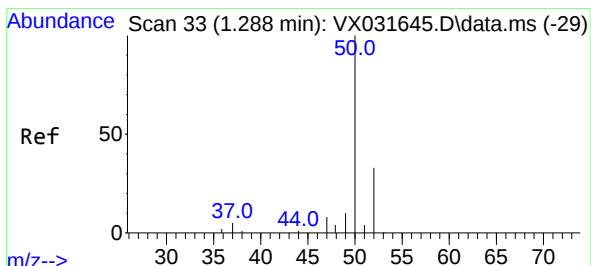
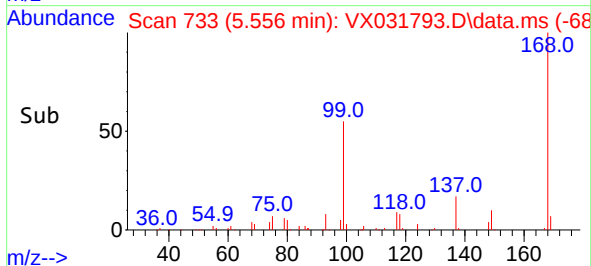
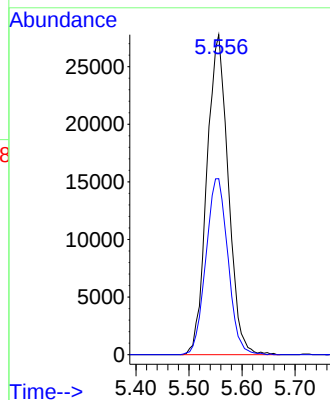
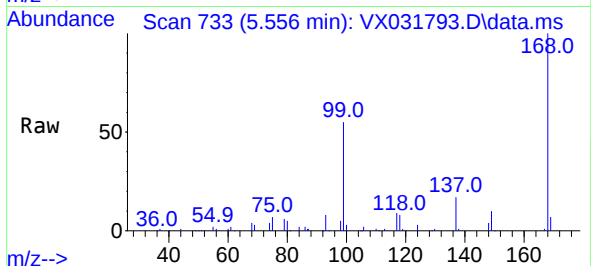




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

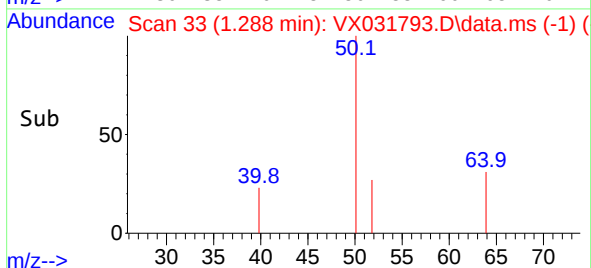
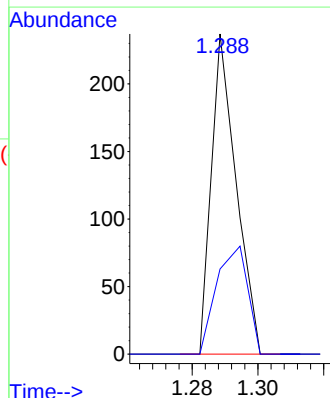
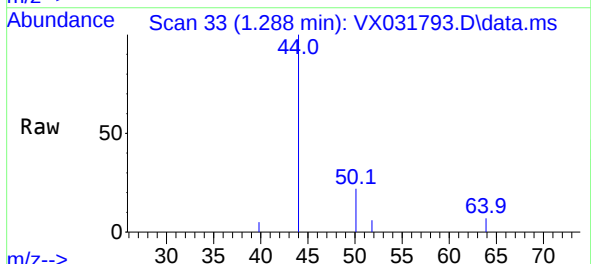
Instrument :
MSVOA_X
ClientSampleId :
MW-14

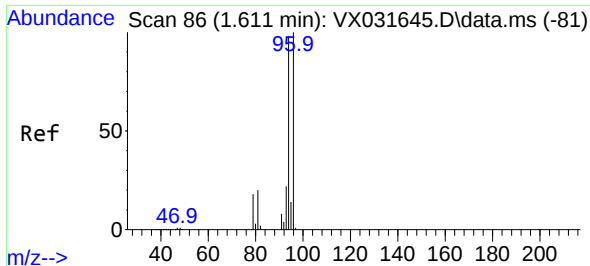
Tgt Ion:168 Resp: 77678
Ion Ratio Lower Upper
168 100
99 55.0 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 26.6 26.9 40.3#

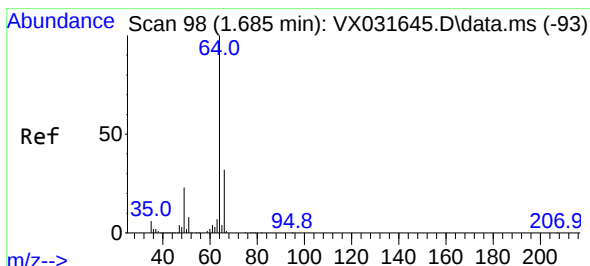
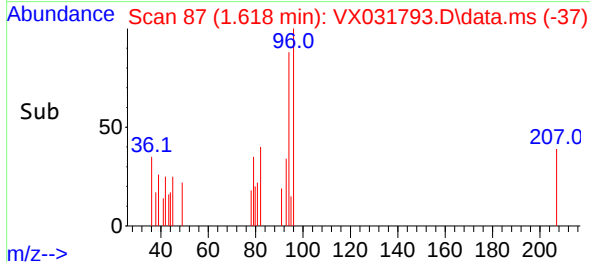
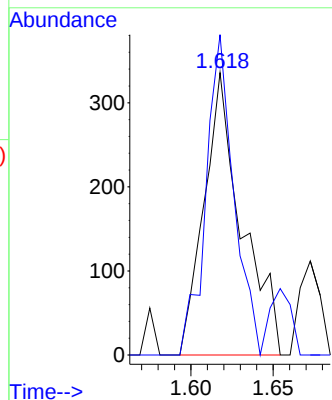
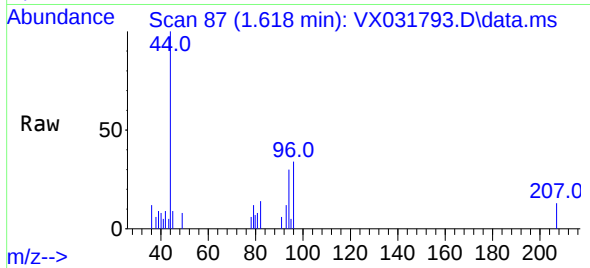




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

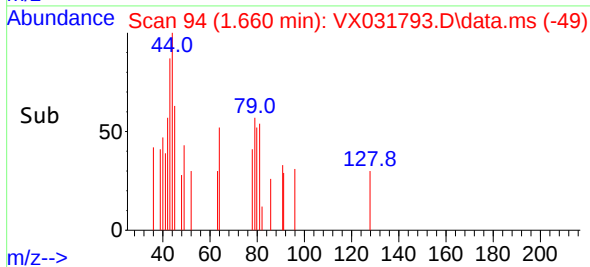
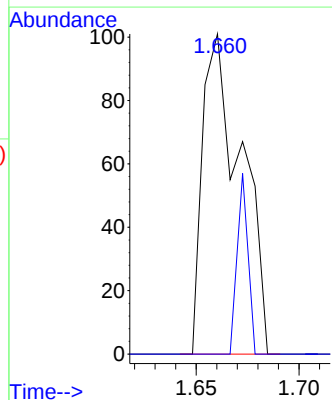
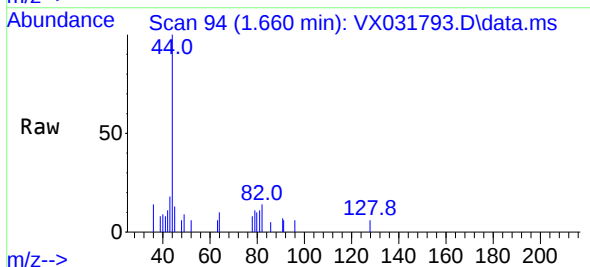
Instrument :
MSVOA_X
ClientSampleId :
MW-14

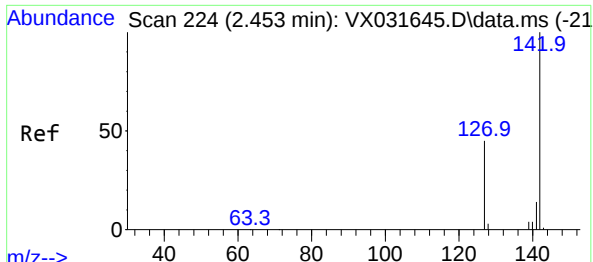
Tgt Ion: 94 Resp: 535
Ion Ratio Lower Upper
94 100
96 113.4 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.025 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 64 Resp: 132
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

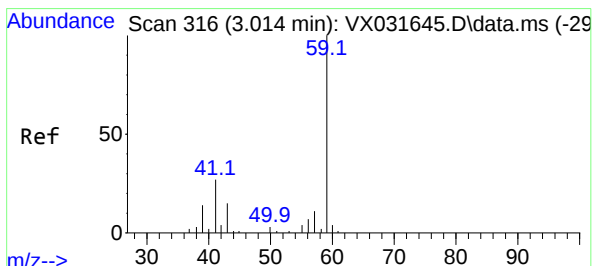
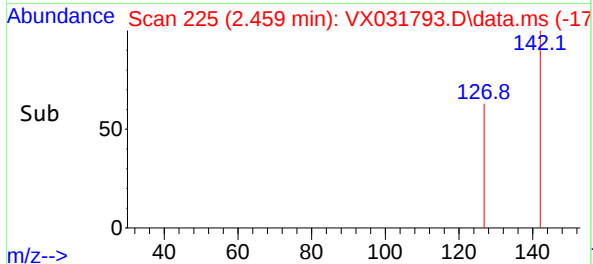
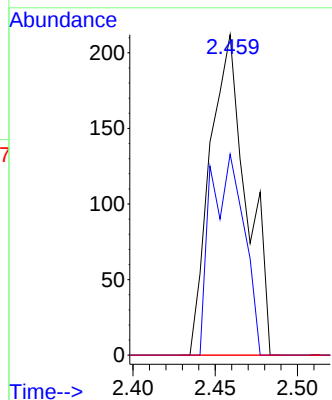
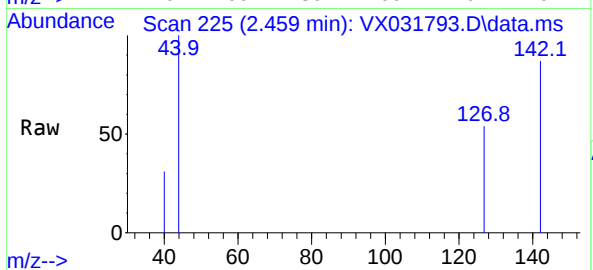




#10
Methyl Iodide
Concen: 0.323 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

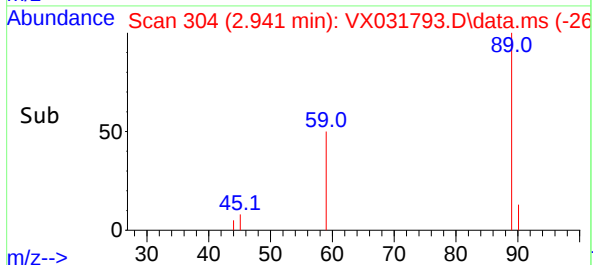
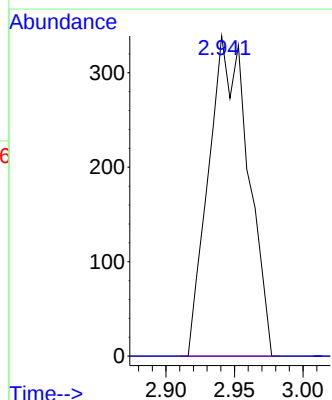
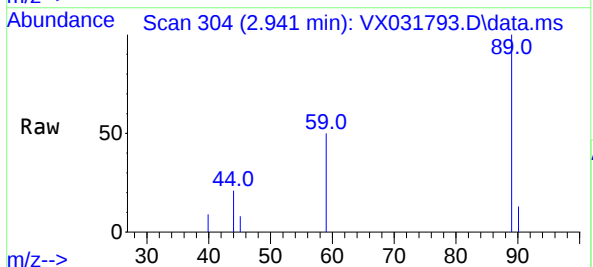
Instrument :
MSVOA_X
ClientSampleId :
MW-14

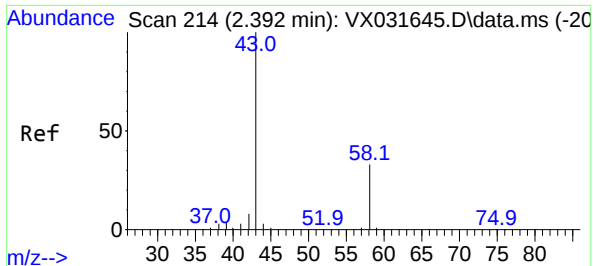
Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
127 57.2 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 59 Resp: 682
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

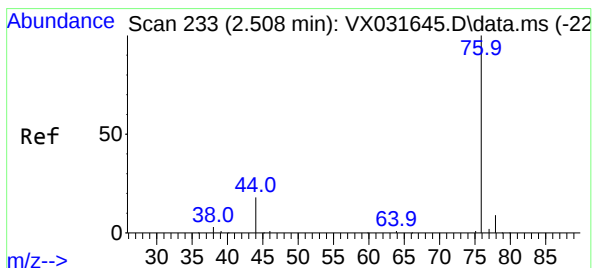
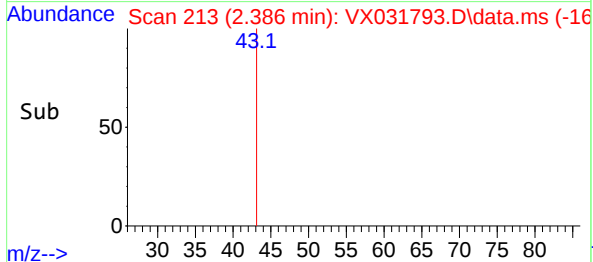
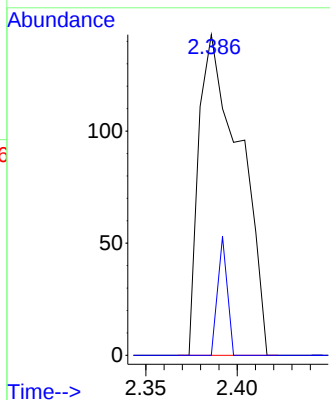
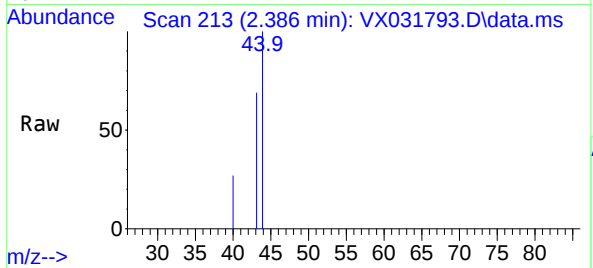




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

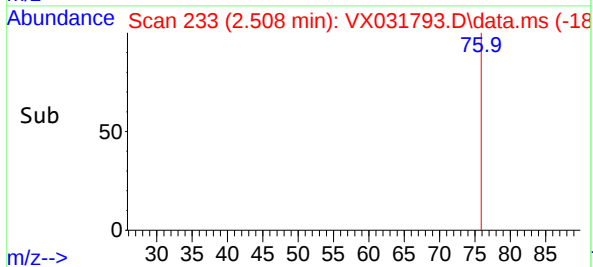
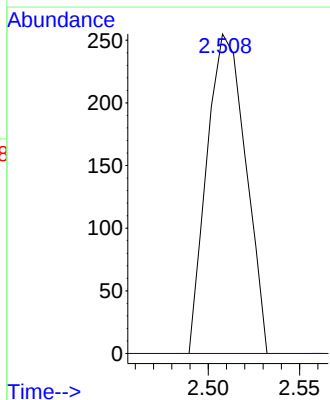
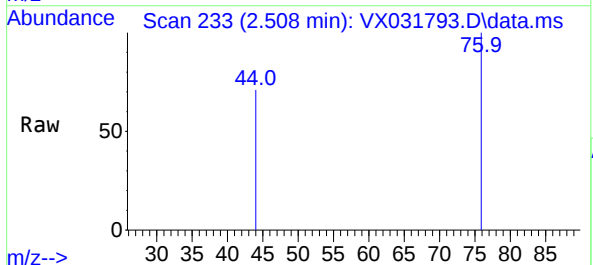
Instrument :
MSVOA_X
ClientSampleId :
MW-14

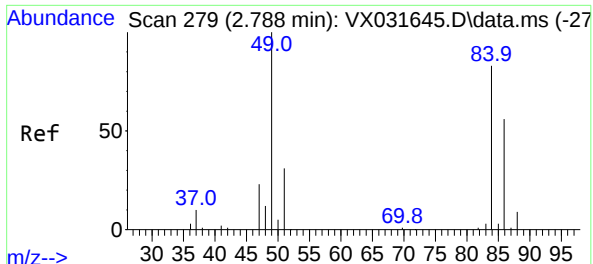
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 76 Resp: 377
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



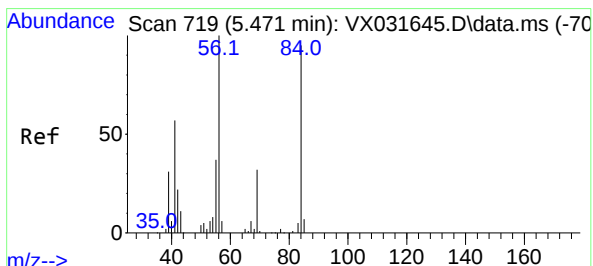
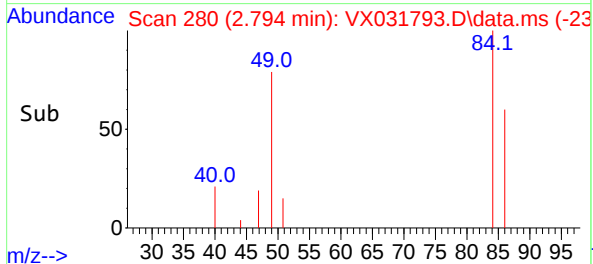
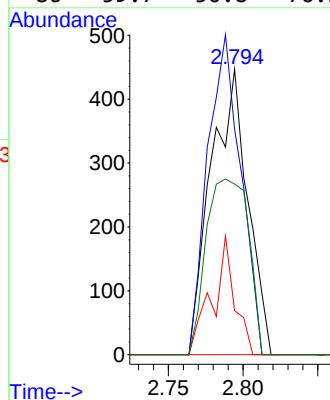
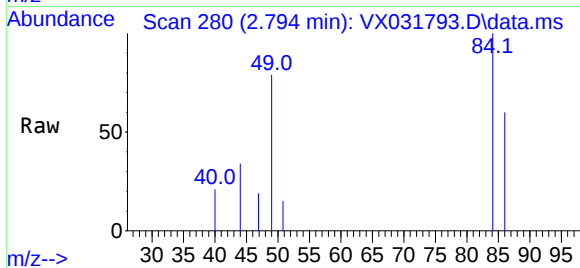


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion: 84 Resp: 763

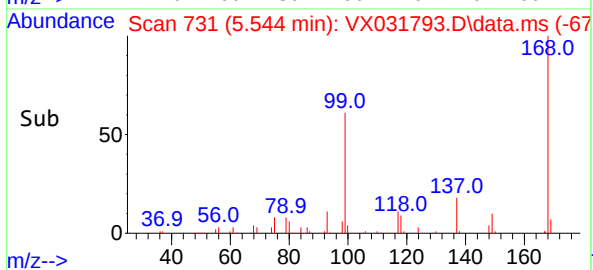
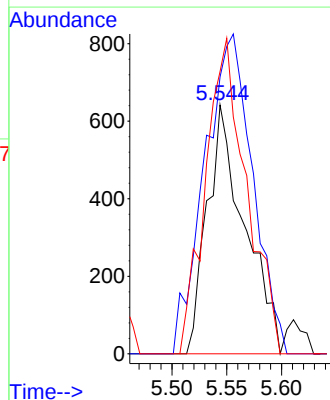
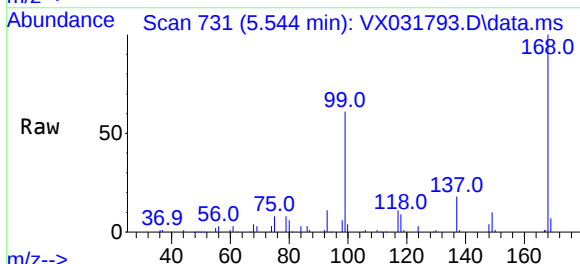
Ion	Ratio	Lower	Upper
84	100		
49	79.0	105.9	158.9#
51	15.4	32.2	48.2#
86	59.7	50.8	76.2

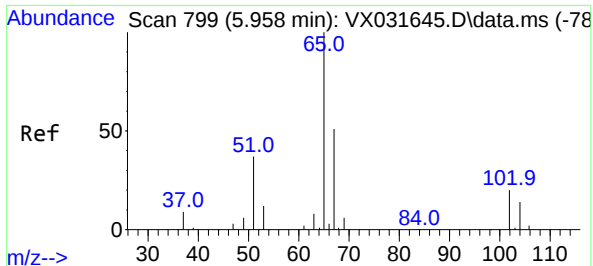


#31
Cyclohexane
Concen: 0.973 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 56 Resp: 1525

Ion	Ratio	Lower	Upper
56	100		
69	99.2	25.1	37.7#
84	113.4	70.2	105.4#

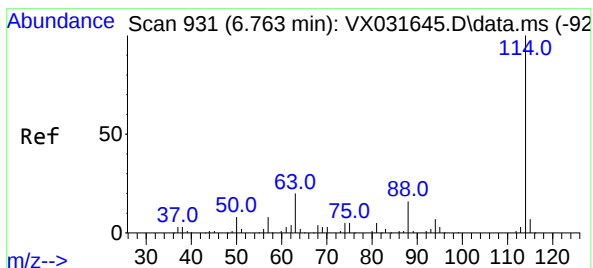
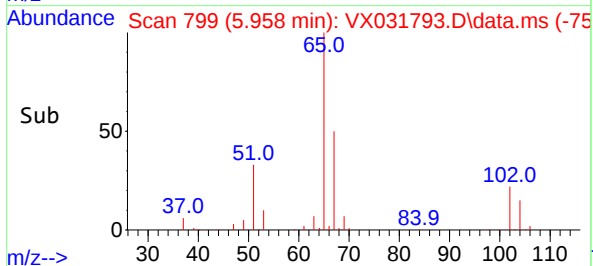
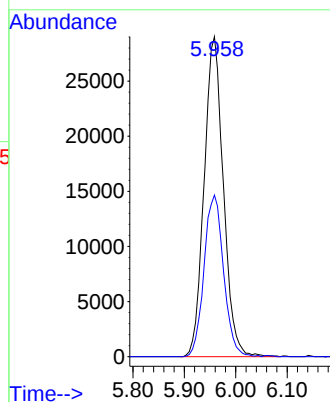
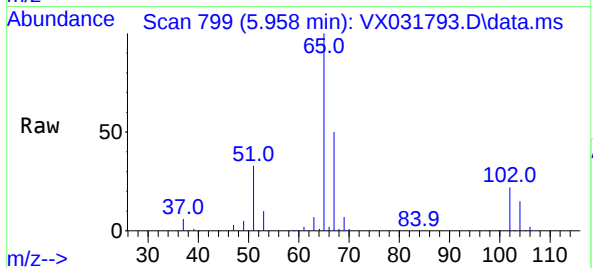




#33
1,2-Dichloroethane-d4
Concen: 45.819 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

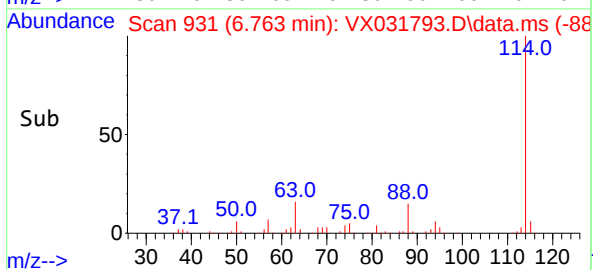
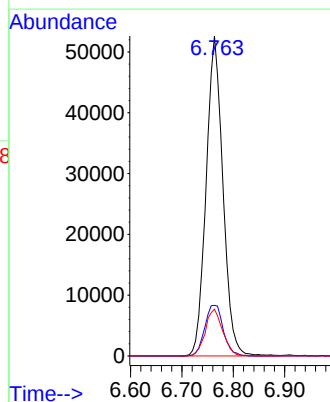
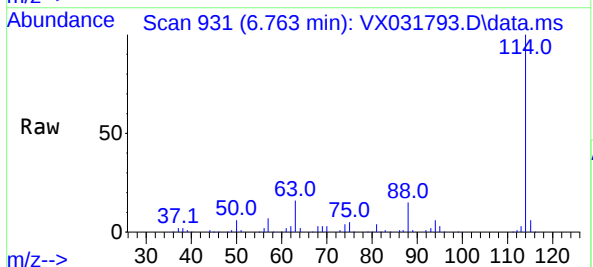
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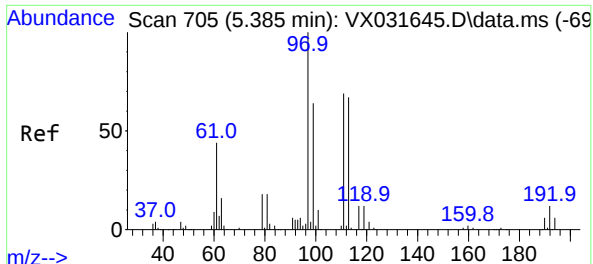
Tgt Ion: 65 Resp: 75540
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 114 Resp: 119331
Ion Ratio Lower Upper
114 100
63 15.8 0.0 42.6
88 14.6 0.0 33.0

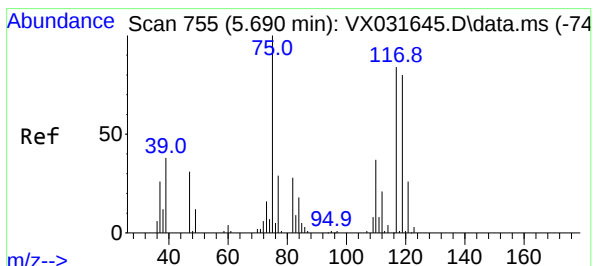
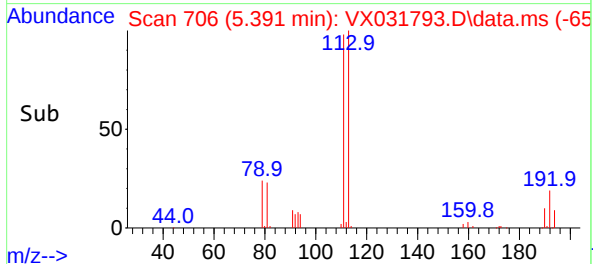
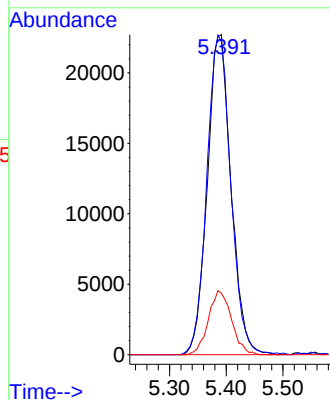
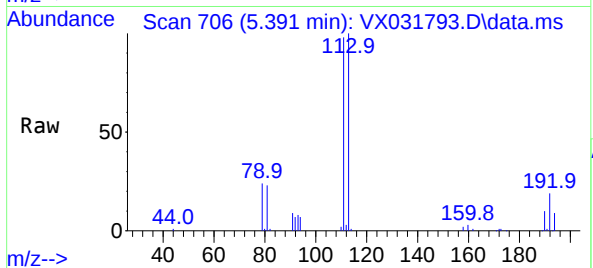




#35
Dibromofluoromethane
Concen: 46.427 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

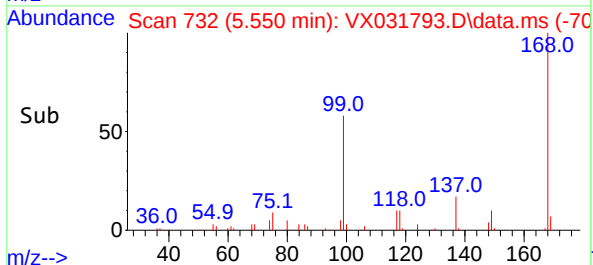
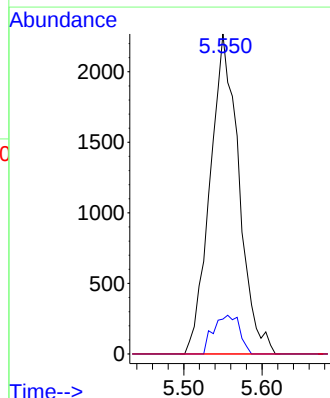
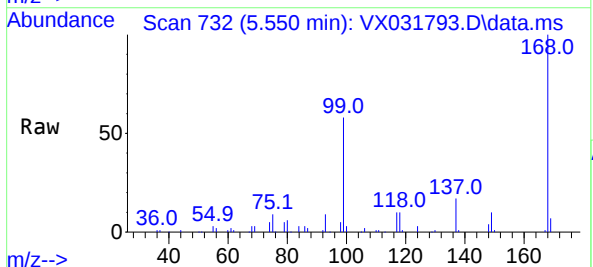
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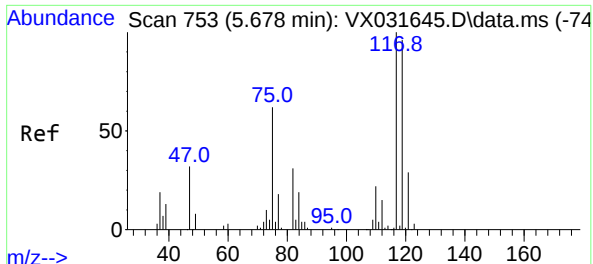
Tgt Ion:113 Resp: 66013
Ion Ratio Lower Upper
113 100
111 100.8 82.4 123.6
192 19.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.547 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 75 Resp: 5792
Ion Ratio Lower Upper
75 100
110 11.0 17.5 52.5#
77 0.0 24.9 37.3#

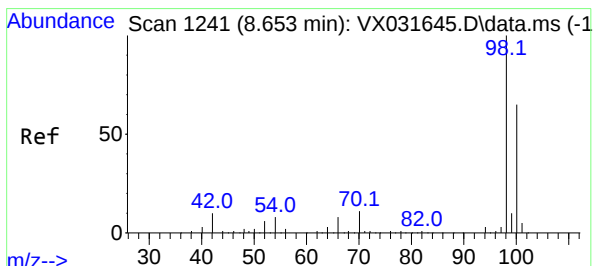
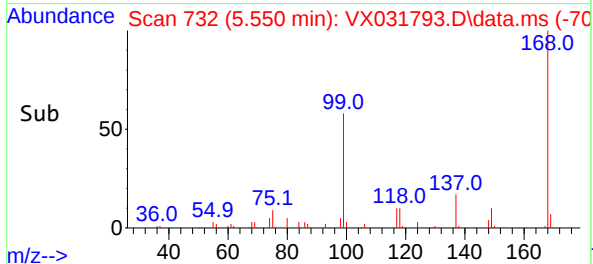
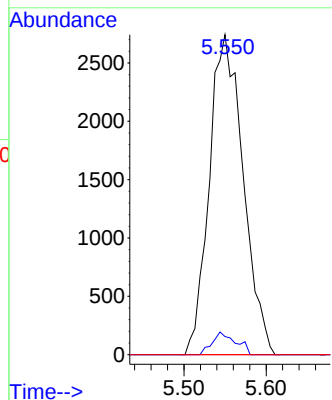
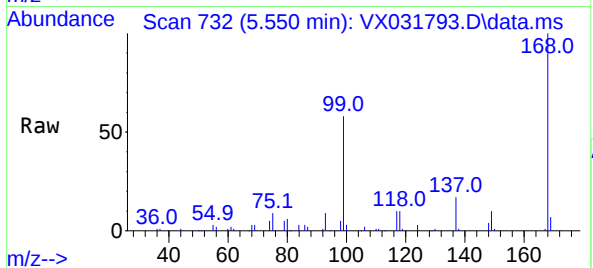




#38
Carbon Tetrachloride
Concen: 4.265 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

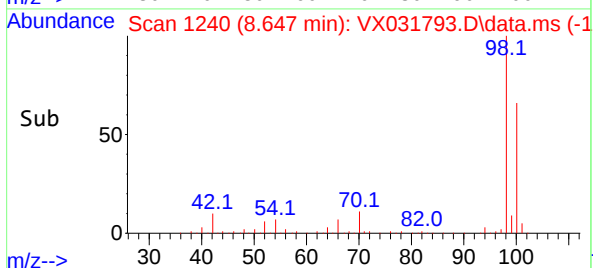
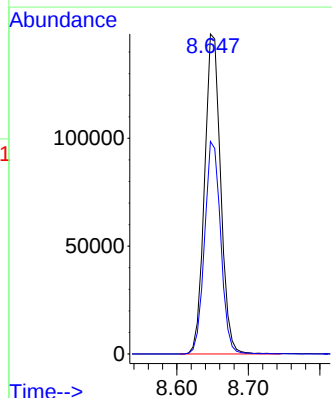
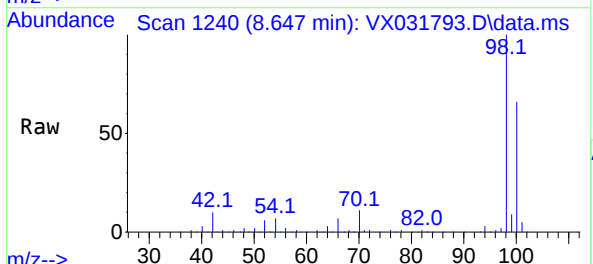
Instrument :
MSVOA_X
ClientSampleId :
MW-14

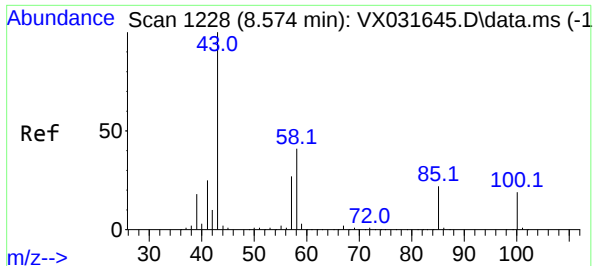
Tgt Ion:117 Resp: 7848
Ion Ratio Lower Upper
117 100
119 5.7 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 45.074 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 98 Resp: 232350
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7

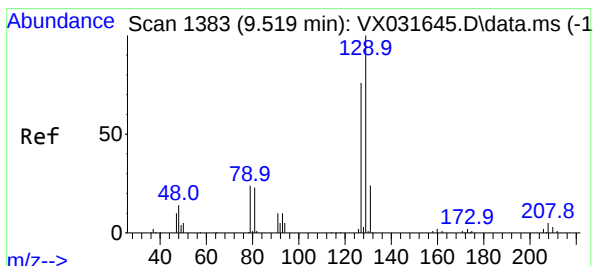
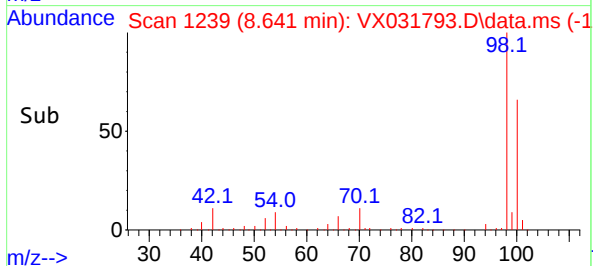
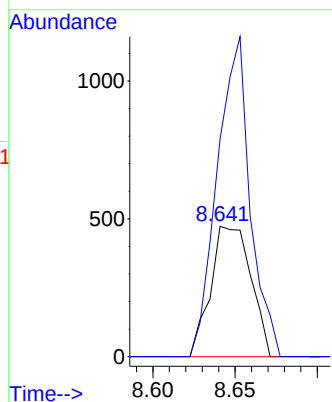
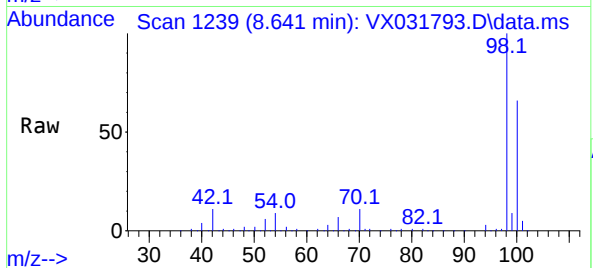




#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

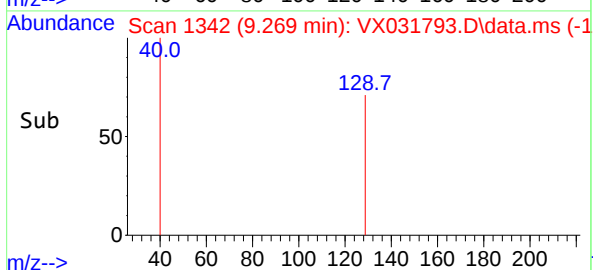
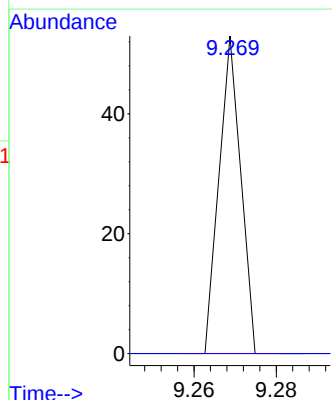
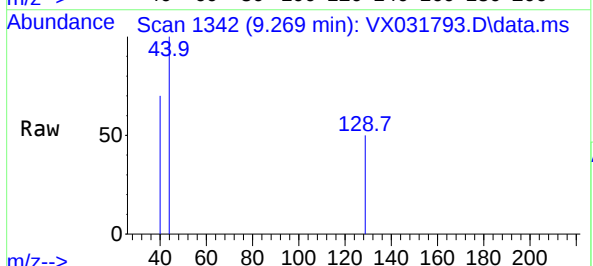
Instrument :
MSVOA_X
ClientSampleId :
MW-14

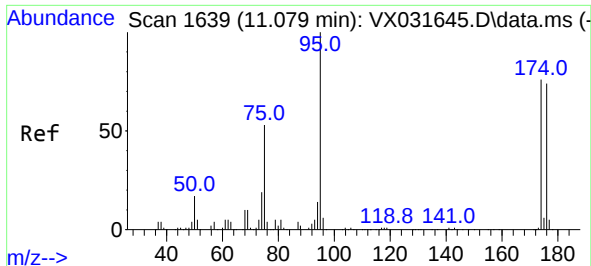
Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
58 200.5 30.6 46.0#



#60
Dibromochloromethane
Concen: 1.551 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#





#62

4-Bromofluorobenzene

Concen: 44.498 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031793.D

Acq: 30 Sep 2022 00:02

Instrument :

MSVOA_X

ClientSampleId :

MW-14

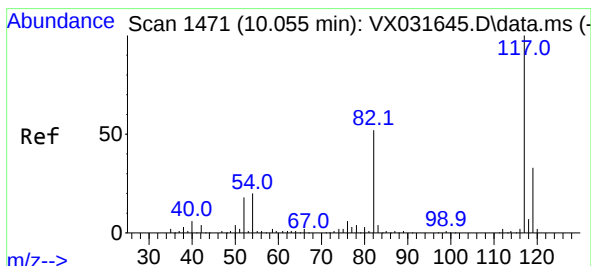
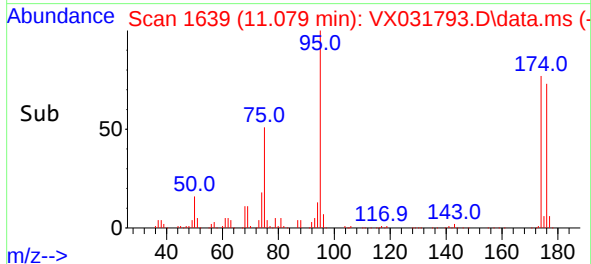
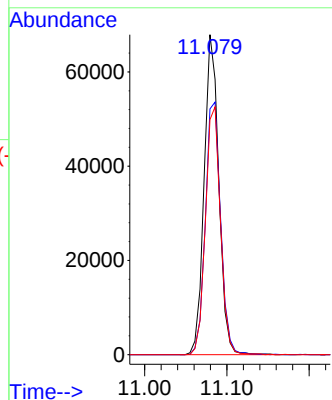
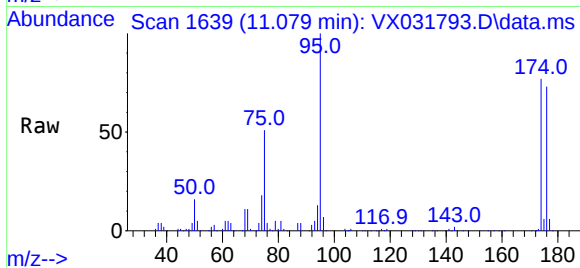
Tgt Ion: 95 Resp: 84071

Ion Ratio Lower Upper

95 100

174 82.2 0.0 153.2

176 79.5 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: VX031793.D

Acq: 30 Sep 2022 00:02

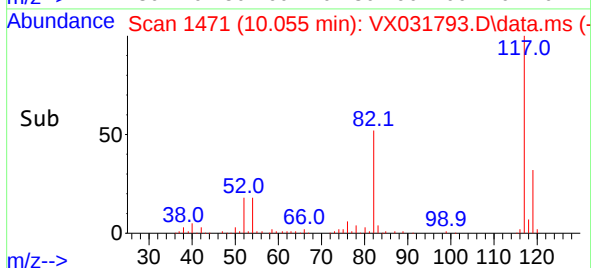
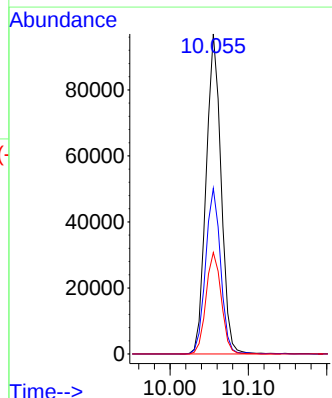
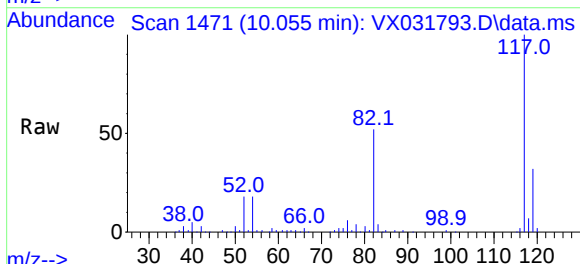
Tgt Ion: 117 Resp: 128437

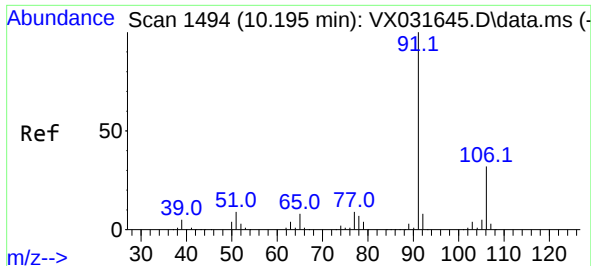
Ion Ratio Lower Upper

117 100

82 51.8 46.8 70.2

119 31.7 26.4 39.6

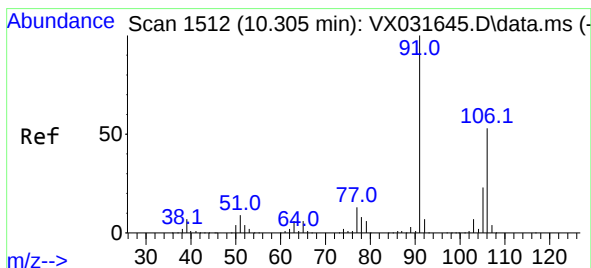
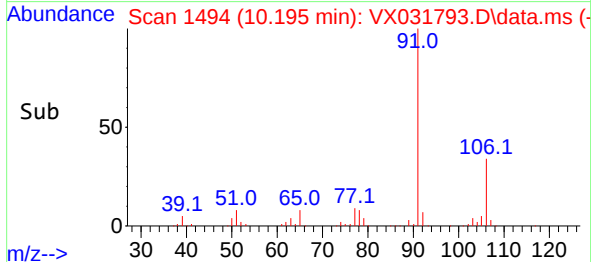
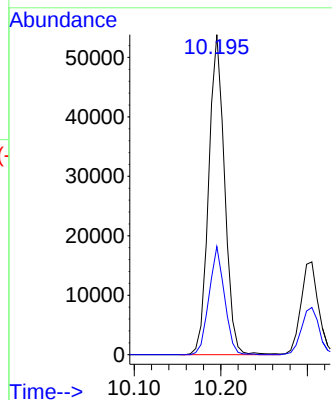
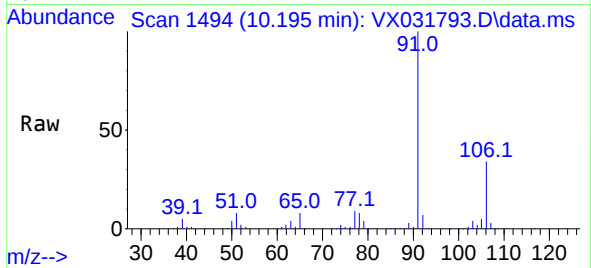




#67
Ethyl Benzene
Concen: 11.273 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

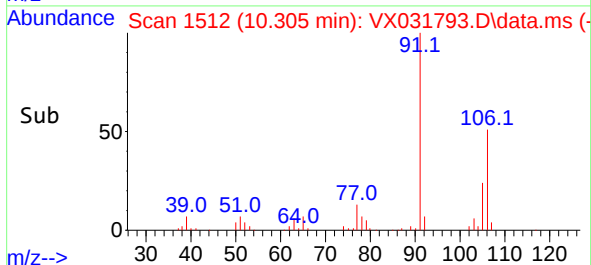
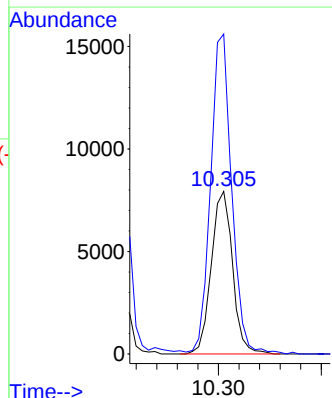
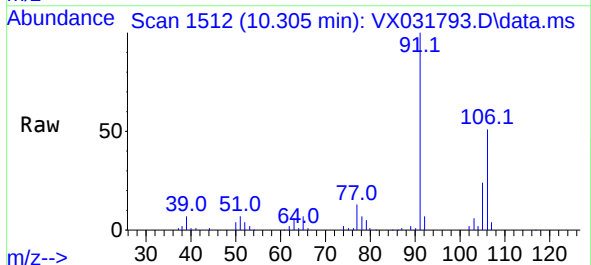
Instrument :
MSVOA_X
ClientSampleId :
MW-14

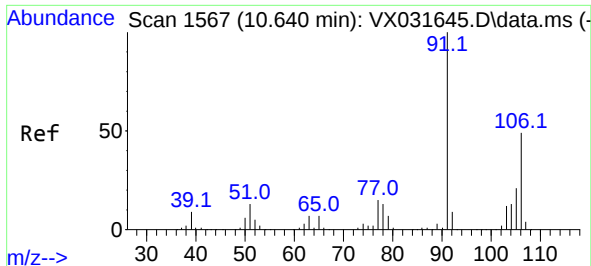
Tgt Ion: 91 Resp: 68615
Ion Ratio Lower Upper
91 100
106 33.8 25.2 37.8



#68
m/p-Xylenes
Concen: 4.651 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 106 Resp: 11374
Ion Ratio Lower Upper
106 100
91 195.4 161.0 241.4

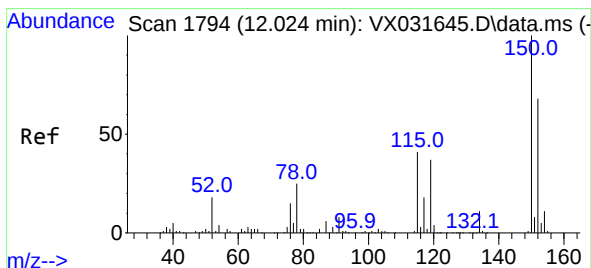
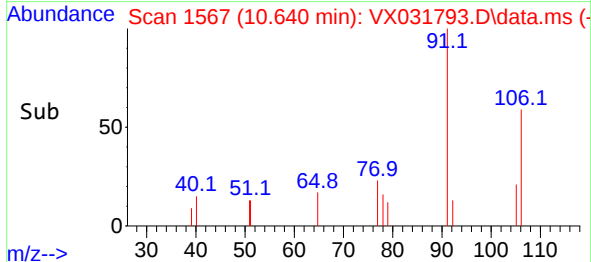
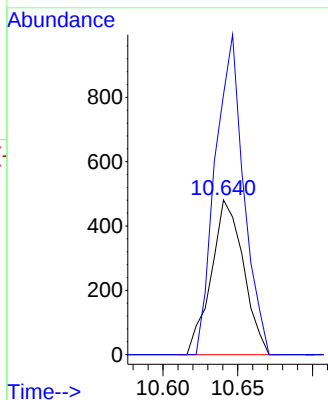
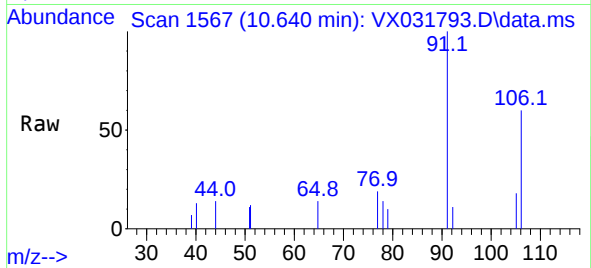




#69
o-Xylene
Concen: 0.301 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

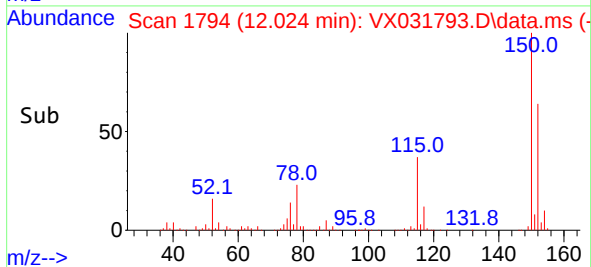
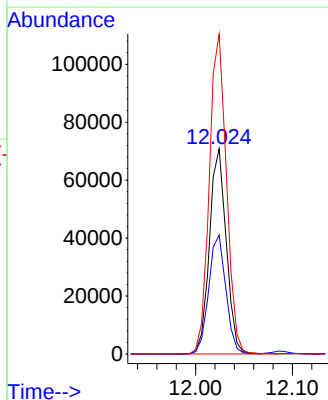
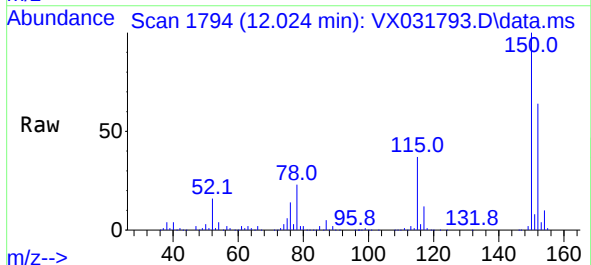
Instrument :
MSVOA_X
ClientSampleId :
MW-14

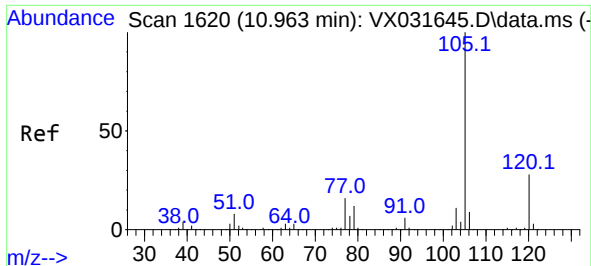
Tgt Ion:106 Resp: 720
Ion Ratio Lower Upper
106 100
91 182.5 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion:152 Resp: 85736
Ion Ratio Lower Upper
152 100
115 59.2 43.4 130.1
150 159.0 0.0 346.8

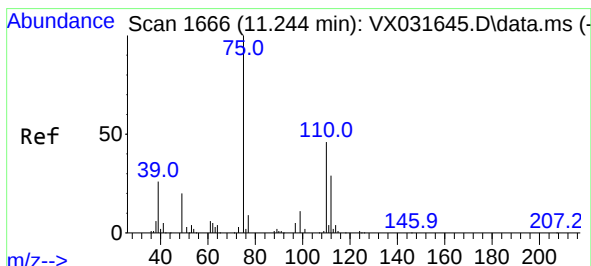
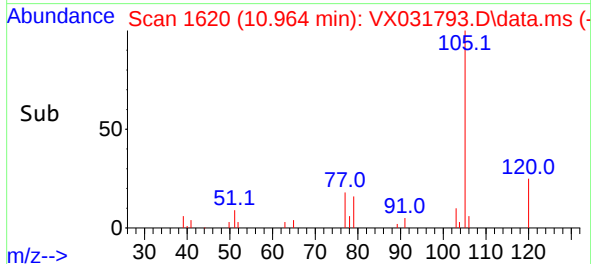
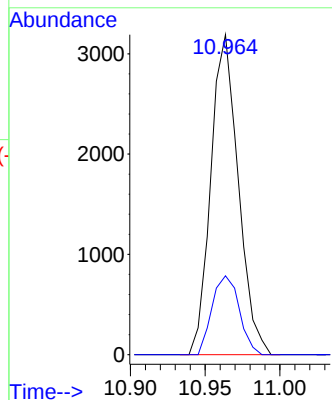
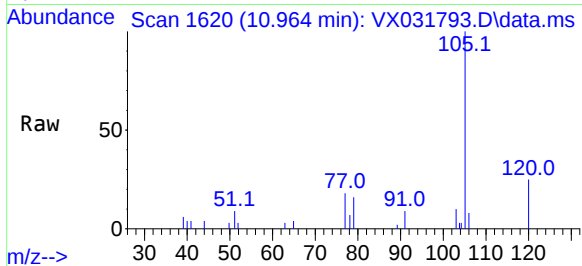




#73
Isopropylbenzene
Concen: 0.735 ug/l
RT: 10.964 min Scan# 1639
Delta R.T. 0.001 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

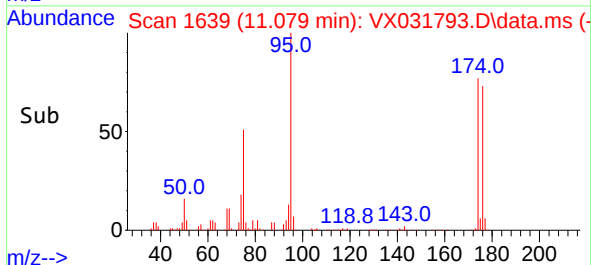
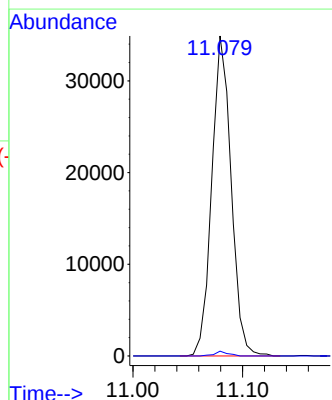
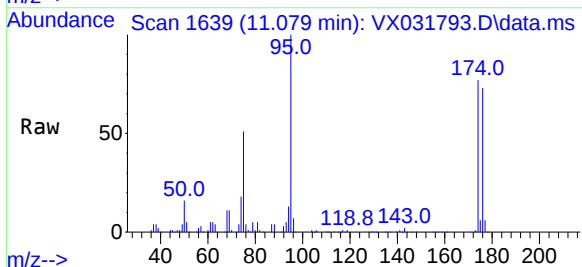
Instrument :
MSVOA_X
ClientSampleId :
MW-14

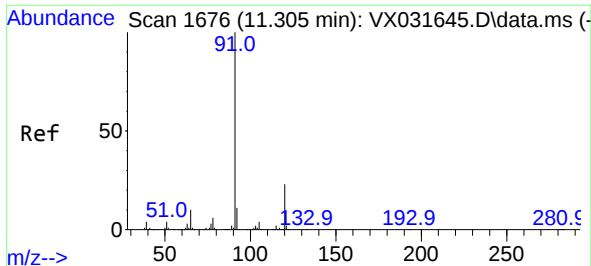
Tgt Ion:105 Resp: 4073
Ion Ratio Lower Upper
105 100
120 24.4 13.7 41.0



#76
1,2,3-Trichloropropane
Concen: 27.534 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 75 Resp: 42796
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#

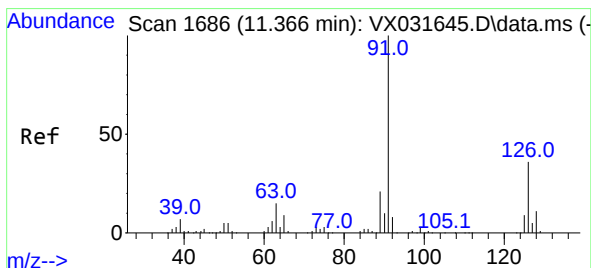
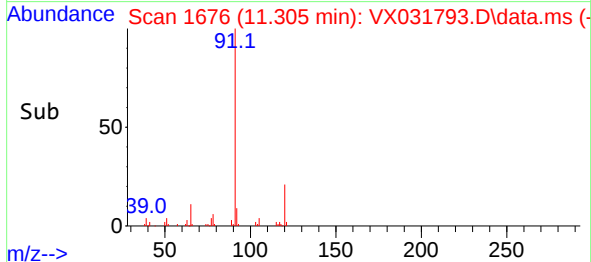
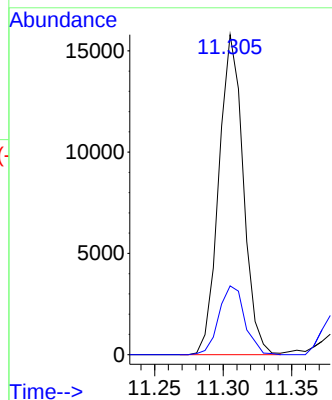
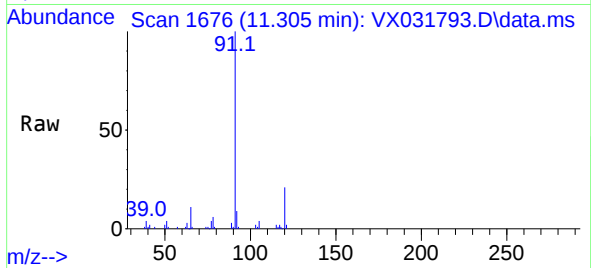




#78
n-propylbenzene
Concen: 3.171 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

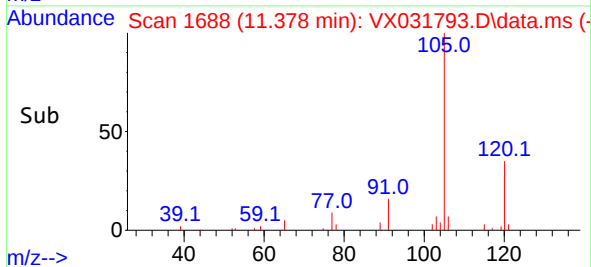
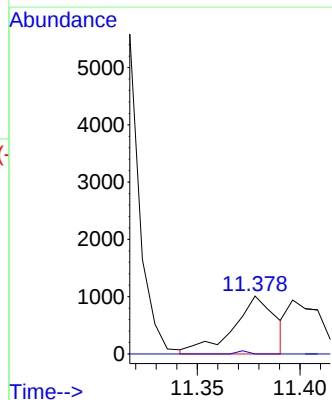
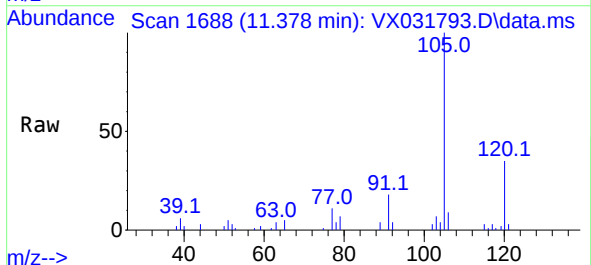
Instrument :
MSVOA_X
ClientSampleId :
MW-14

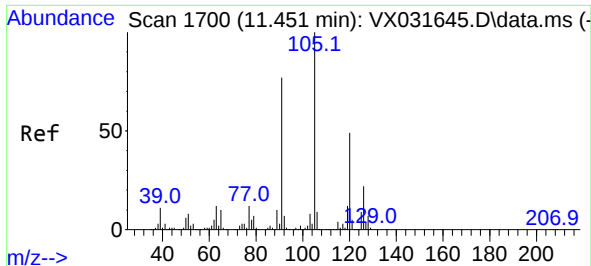
Tgt Ion: 91 Resp: 19567
Ion Ratio Lower Upper
91 100
120 22.8 11.8 35.4



#79
2-Chlorotoluene
Concen: 0.378 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 91 Resp: 1440
Ion Ratio Lower Upper
91 100
126 1.4 17.4 52.3#

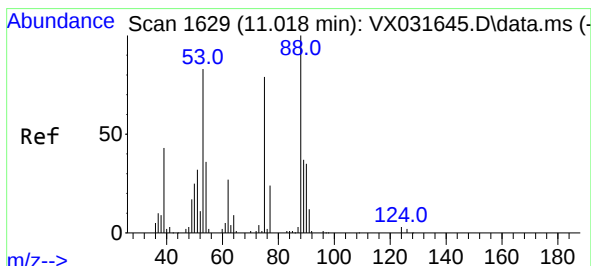
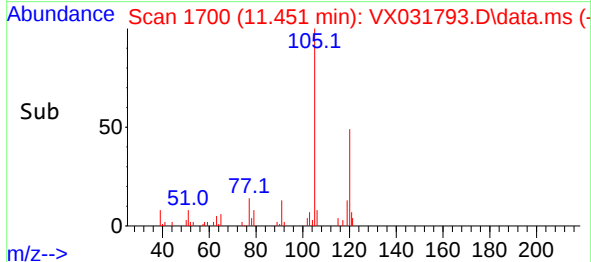
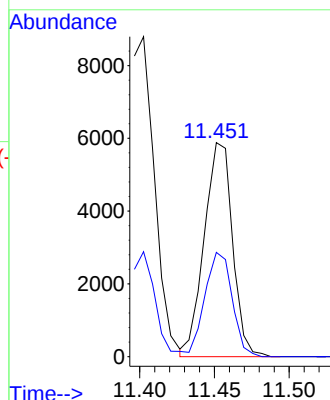
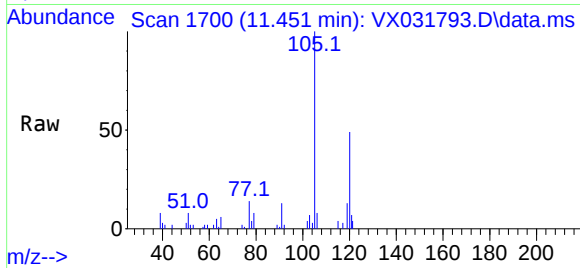




#80
 1,3,5-Trimethylbenzene
 Concen: 1.649 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031793.D
 Acq: 30 Sep 2022 00:02

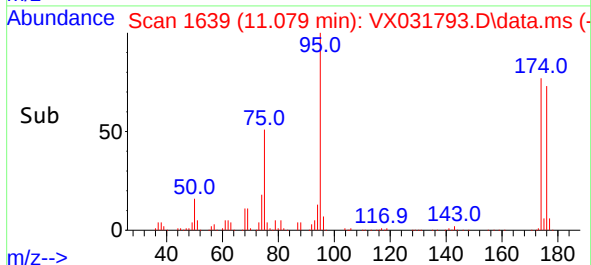
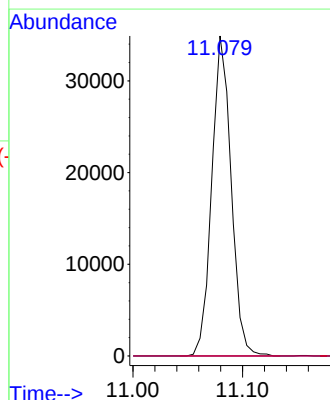
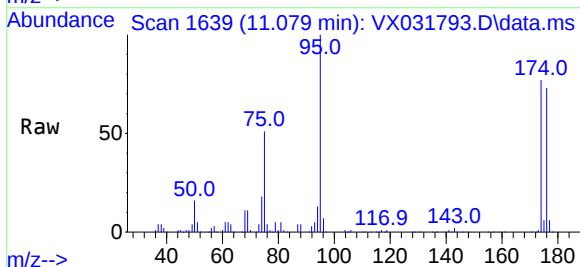
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

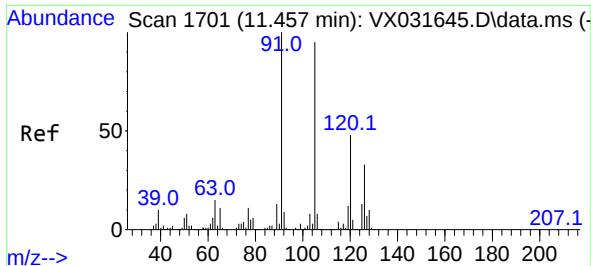
Tgt Ion:105 Resp: 7752
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.5 73.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.005 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX031793.D
 Acq: 30 Sep 2022 00:02

Tgt Ion: 75 Resp: 42796
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

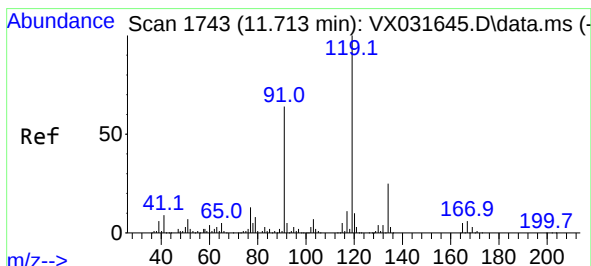
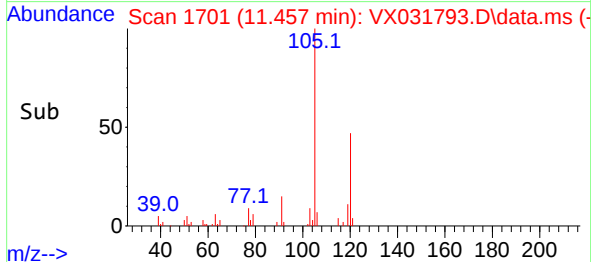
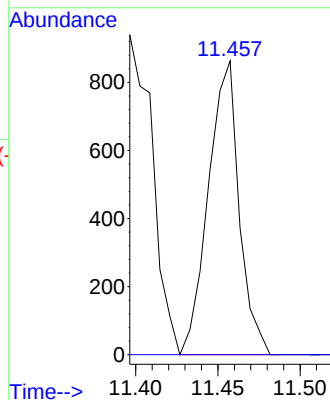
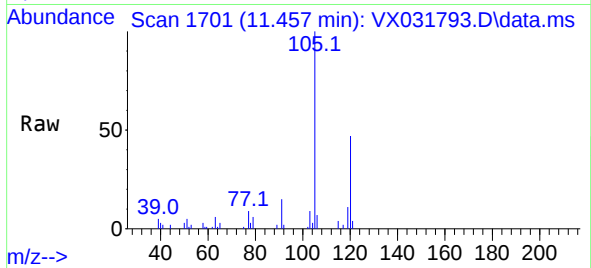




#82
4-Chlorotoluene
Concen: 0.255 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

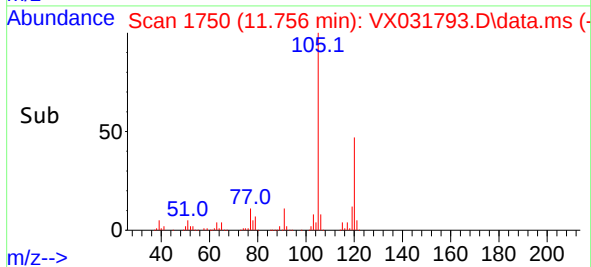
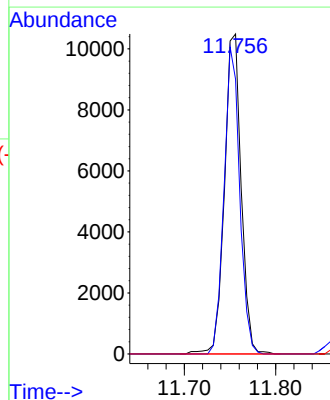
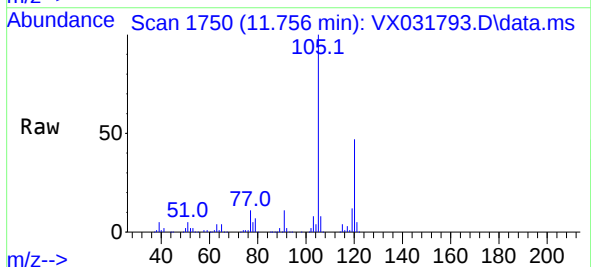
Instrument :
MSVOA_X
ClientSampleId :
MW-14

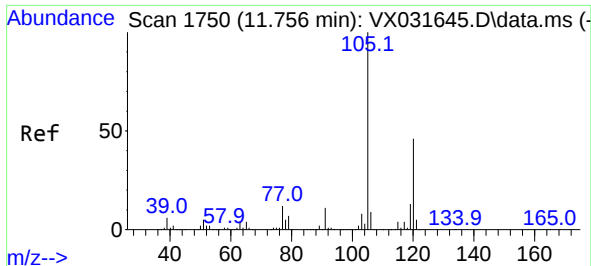
Tgt Ion: 91 Resp: 1123
Ion Ratio Lower Upper
91 100
126 0.0 15.1 45.3#



#83
tert-Butylbenzene
Concen: 2.941 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion: 119 Resp: 13330
Ion Ratio Lower Upper
119 100
91 90.0 29.2 87.6#
134 0.0 11.6 34.8#

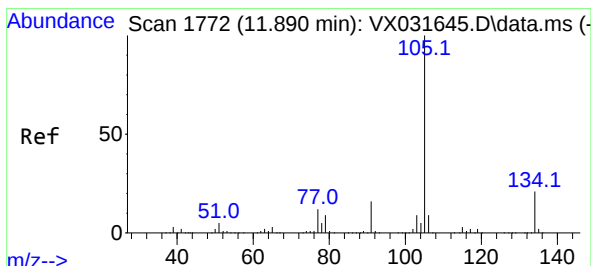
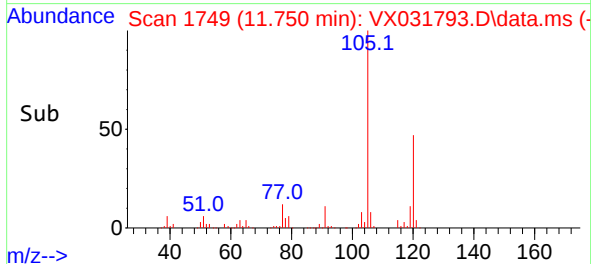
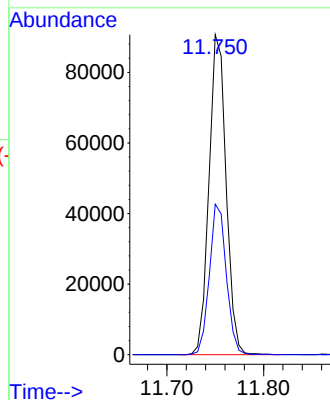
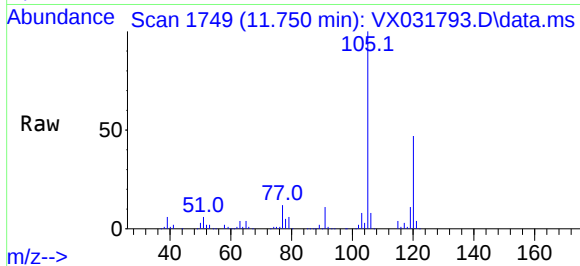




#84
1,2,4-Trimethylbenzene
Concen: 23.899 ug/l
RT: 11.750 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

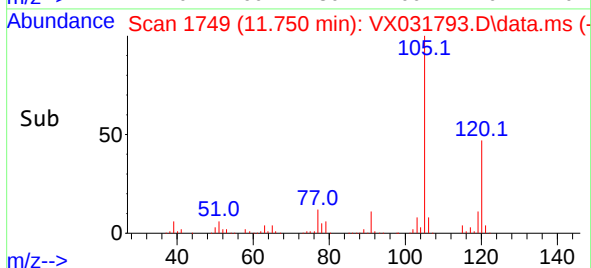
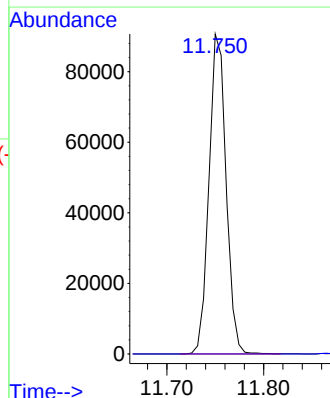
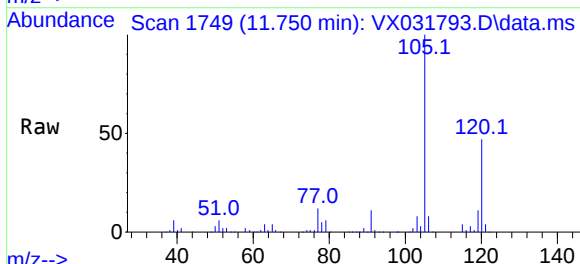
Instrument :
MSVOA_X
ClientSampleId :
MW-14

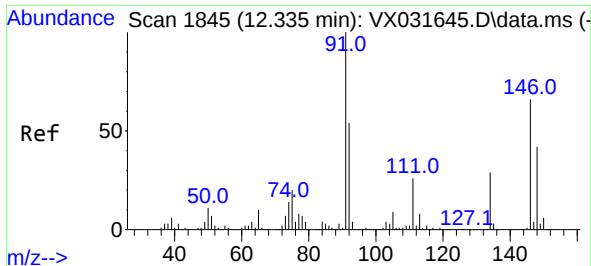
Tgt Ion:105 Resp: 111185
Ion Ratio Lower Upper
105 100
120 46.6 22.6 67.8



#85
sec-Butylbenzene
Concen: 19.303 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Tgt Ion:105 Resp: 111185
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#89

n-Butylbenzene

Concen: 0.754 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX031793.D

Acq: 30 Sep 2022 00:02

Instrument :

MSVOA_X

ClientSampleId :

MW-14

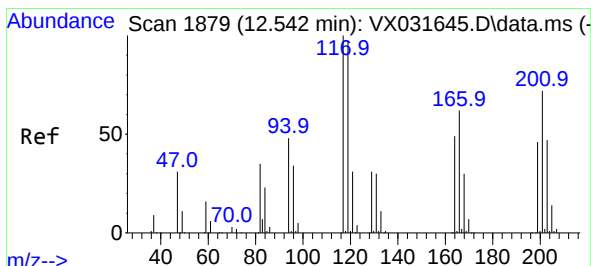
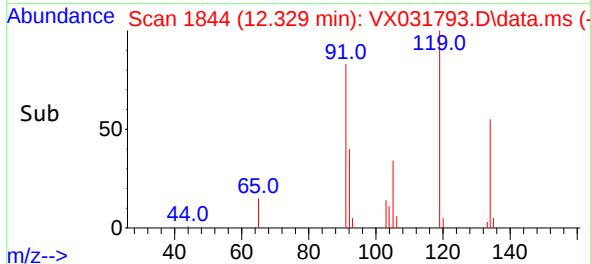
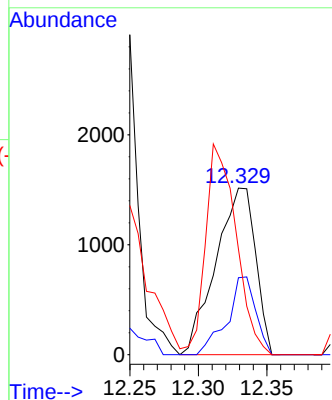
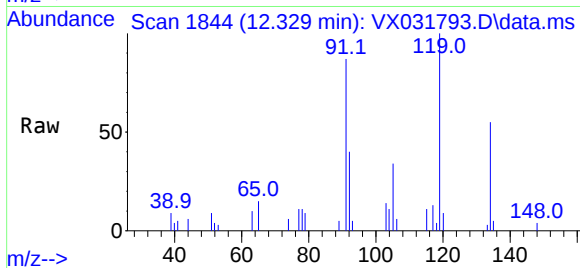
Tgt Ion: 91 Resp: 3061

Ion Ratio Lower Upper

91 100

92 33.6 27.0 81.0

134 0.0 13.3 39.9#



#90

Hexachloroethane

Concen: 1.515 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.012 min

Lab File: VX031793.D

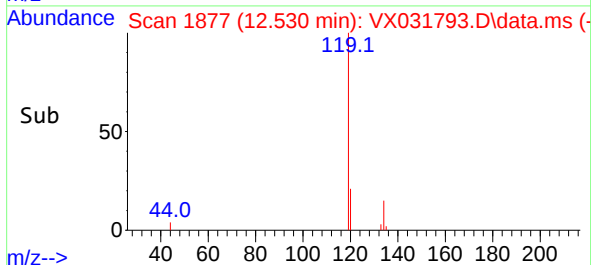
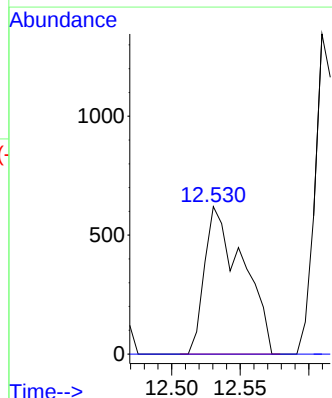
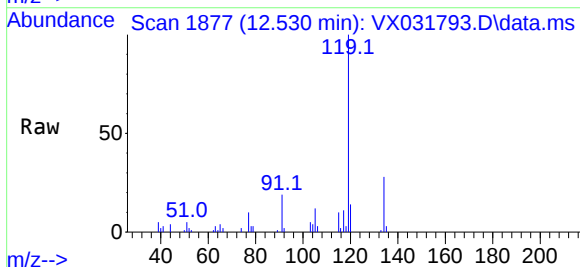
Acq: 30 Sep 2022 00:02

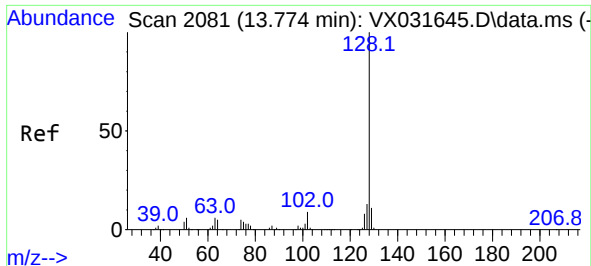
Tgt Ion: 117 Resp: 1207

Ion Ratio Lower Upper

117 100

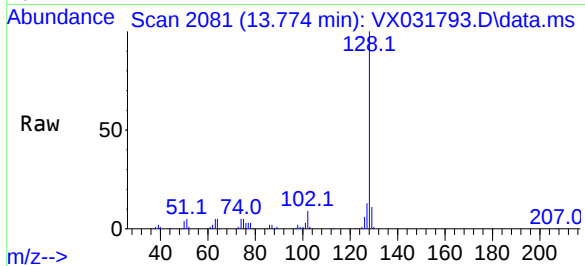
201 0.0 34.8 104.4#





#95
Naphthalene
Concen: 8.206 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX031793.D
Acq: 30 Sep 2022 00:02

Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion:128 Resp: 43862

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.3	8.8	13.2

