

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031776.D
 Acq On : 29 Sep 2022 16:19
 Operator : JC/MD
 Sample : N4860-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-07

Quant Time: Sep 30 04:34:03 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)

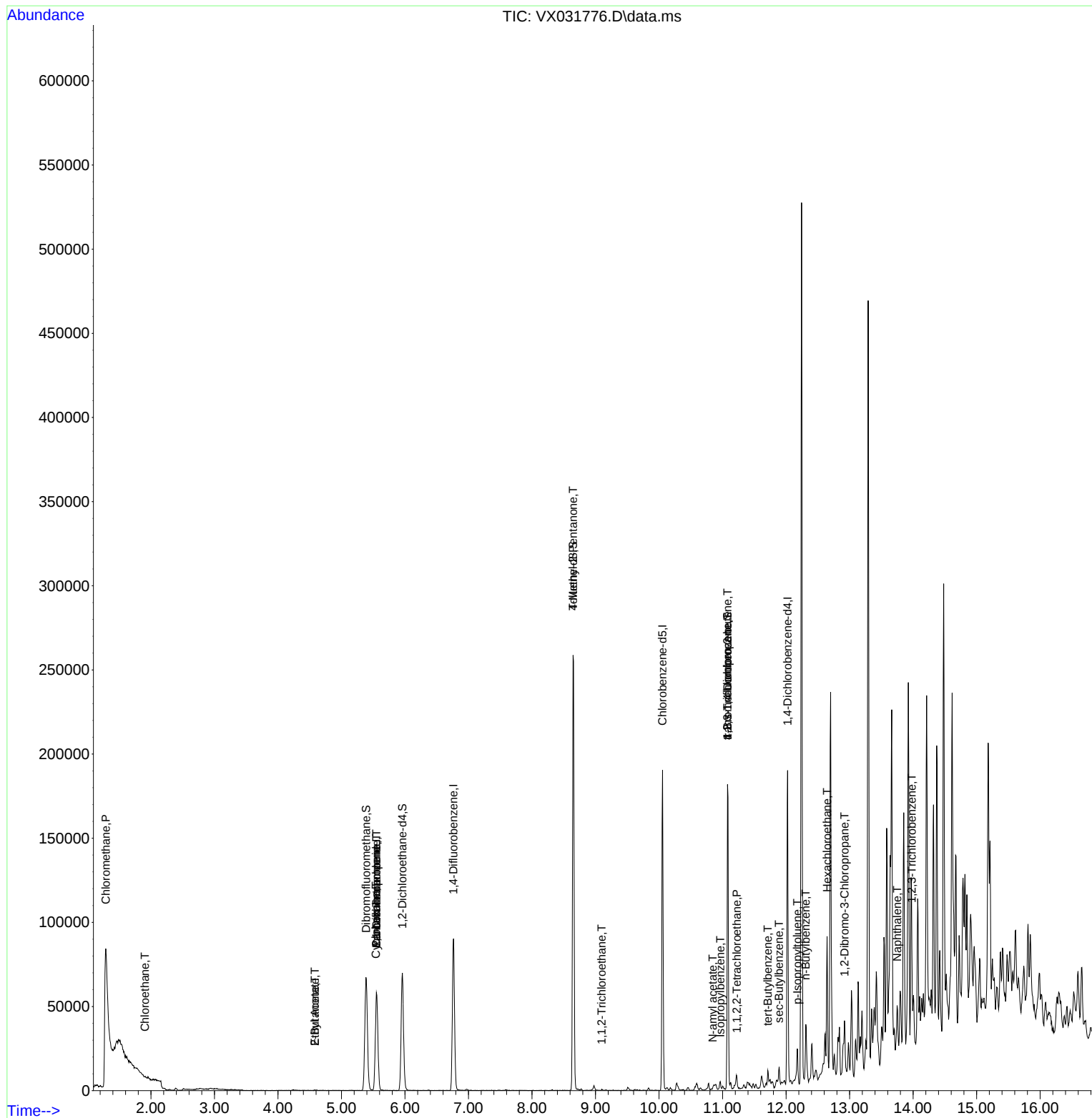
Internal Standards						
1) Pentafluorobenzene	5.550	168	55305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	95430	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	84685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66643	56.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.560%			
35) Dibromofluoromethane	5.385	113	57556	50.618	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.240%			
50) Toluene-d8	8.647	98	160759	38.997	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 78.000%#			
62) 4-Bromofluorobenzene	11.079	95	48224	31.917	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 63.840%#			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	5326	6.213	ug/l #	49
5) Bromomethane	1.617	94	280	Below Cal	#	61
6) Chloroethane	1.904	64	1902	0.577	ug/l #	68
11) Tert butyl alcohol	3.007	59	61	Below Cal	#	73
16) Acetone	2.392	43	1920	Below Cal	#	88
17) Carbon Disulfide	2.508	76	1674	Below Cal	#	75
20) Methylene Chloride	2.788	84	204	Below Cal	#	21
25) 2-Butanone	4.580	43	473	0.844	ug/l #	49
31) Cyclohexane	5.544	56	1118	1.002	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	4185	3.205	ug/l #	49
37) Ethyl Acetate	4.580	43	473	0.359	ug/l #	68
38) Carbon Tetrachloride	5.550	117	5954	4.046	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	660	0.503	ug/l #	1
55) 1,1,2-Trichloroethane	9.098	97	338	0.294	ug/l #	15
73) Isopropylbenzene	10.963	105	2526	1.021	ug/l	96
74) N-amyl acetate	10.848	43	262	0.326	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.226	83	730	0.929	ug/l #	31
76) 1,2,3-Trichloropropane	11.079	75	24351	35.112	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	24351	115.213	ug/l #	11
83) tert-Butylbenzene	11.713	119	1533	0.758	ug/l	80
85) sec-Butylbenzene	11.890	105	3098	1.205	ug/l	96
86) p-Isopropyltoluene	12.177	119	8910	4.020	ug/l	95
89) n-Butylbenzene	12.311	91	2367	1.307	ug/l #	14
90) Hexachloroethane	12.646	117	28301	79.631	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.920	75	117	0.743	ug/l #	3
95) Naphthalene	13.749	128	1515	0.635	ug/l #	1
96) 1,2,3-Trichlorobenzene	13.981	180	435	0.594	ug/l #	1

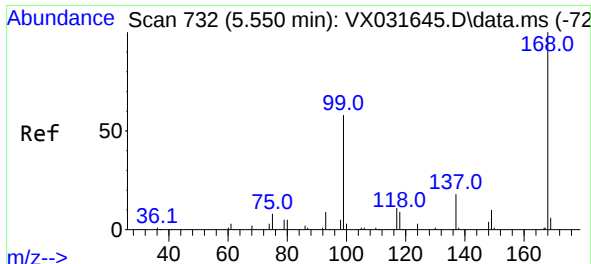
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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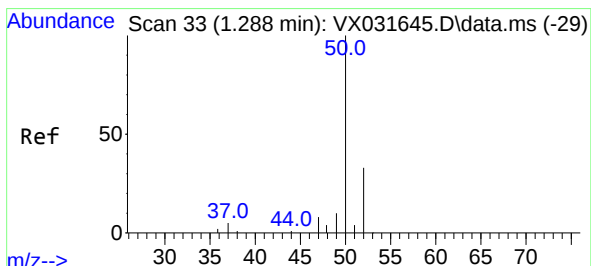
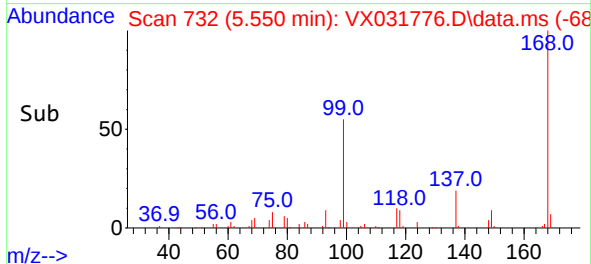
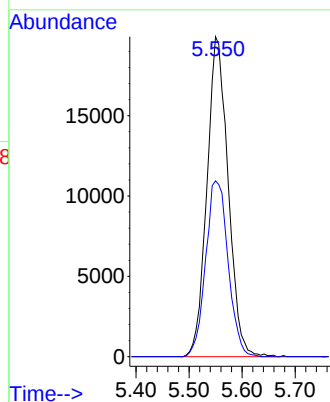
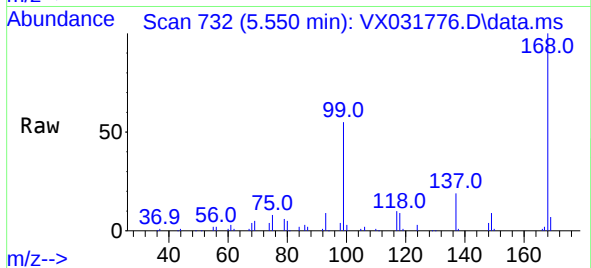




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

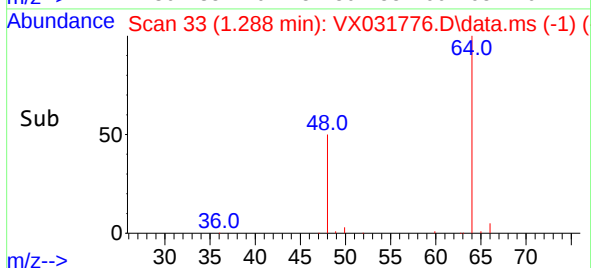
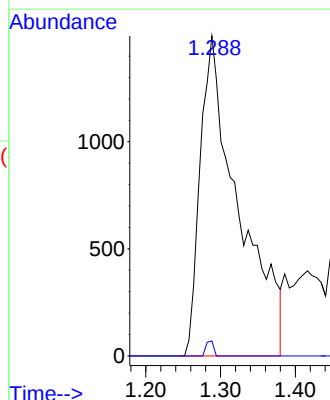
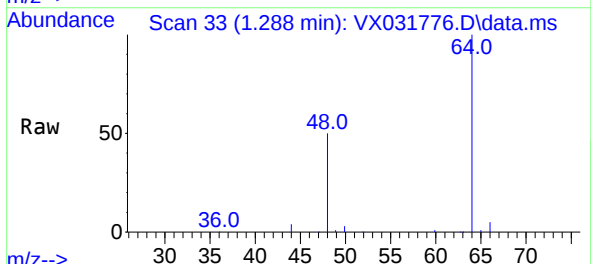
Instrument :
MSVOA_X
ClientSampleId :
MW-07

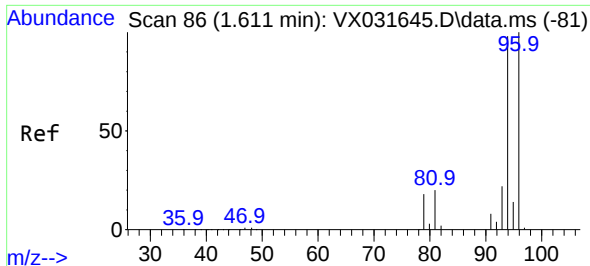
Tgt Ion:168 Resp: 55305
Ion Ratio Lower Upper
168 100
99 54.9 48.8 73.2



#3
Chloromethane
Concen: 6.213 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 50 Resp: 5326
Ion Ratio Lower Upper
50 100
52 4.7 26.9 40.3

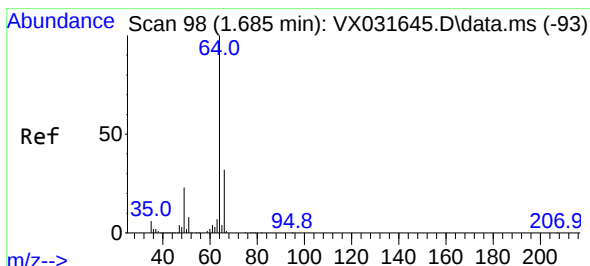
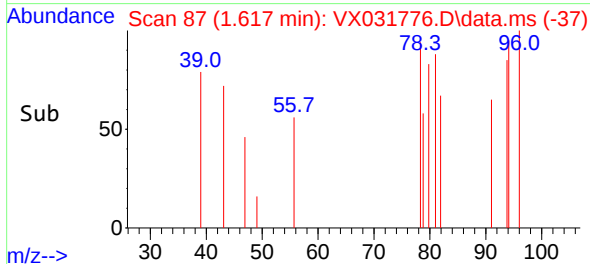
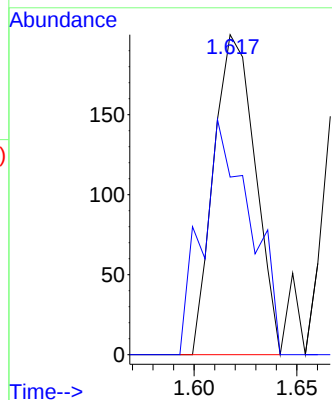
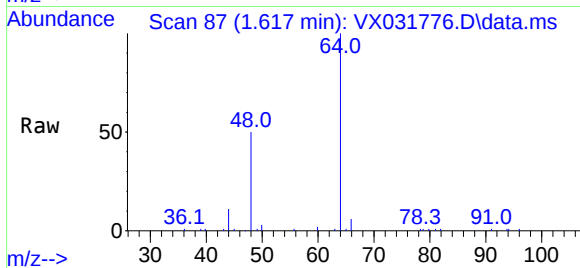




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

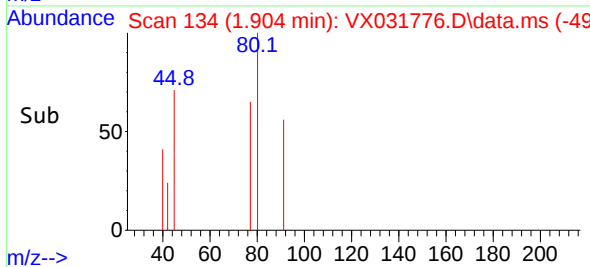
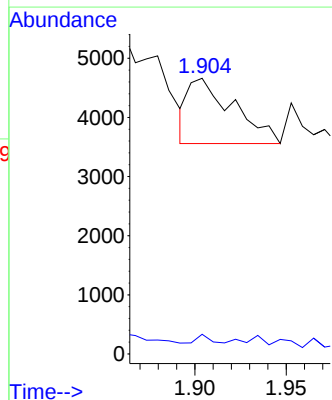
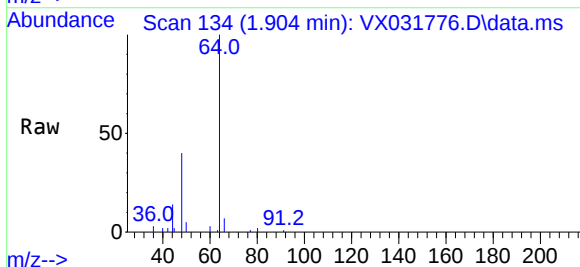
Instrument :
MSVOA_X
ClientSampleId :
MW-07

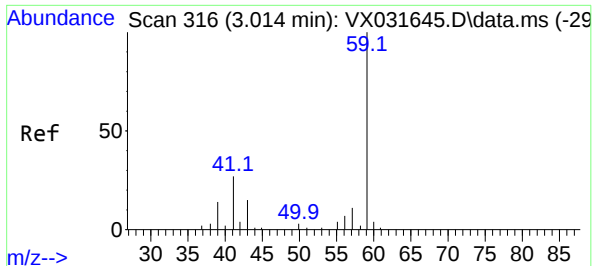
Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 55.5 74.4 111.6#



#6
Chloroethane
Concen: 0.577 ug/l
RT: 1.904 min Scan# 134
Delta R.T. 0.219 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 64 Resp: 1902
Ion Ratio Lower Upper
64 100
66 13.3 25.0 37.4#

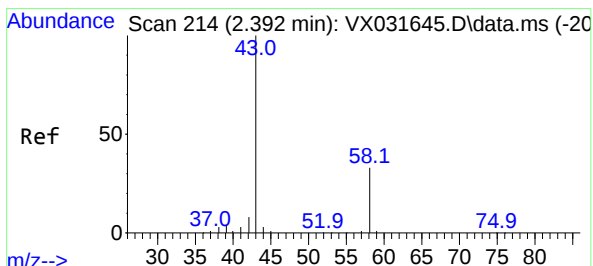
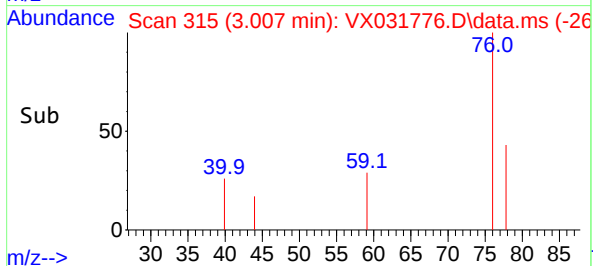
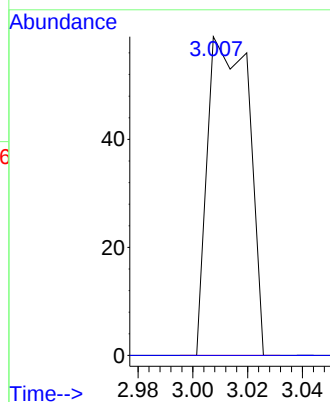
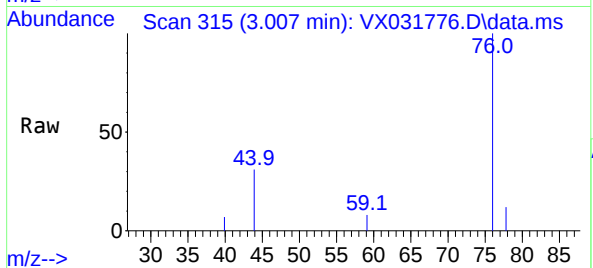




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.007 min Scan# 316
Delta R.T. 0.018 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

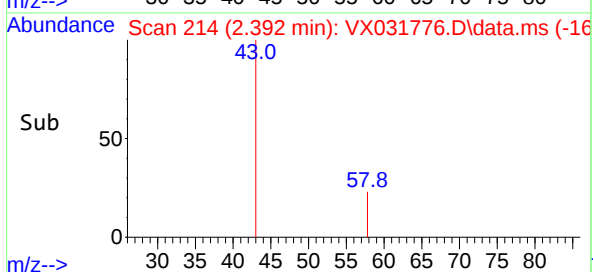
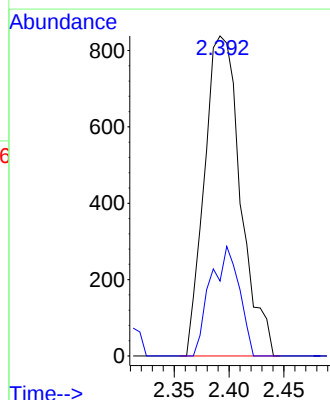
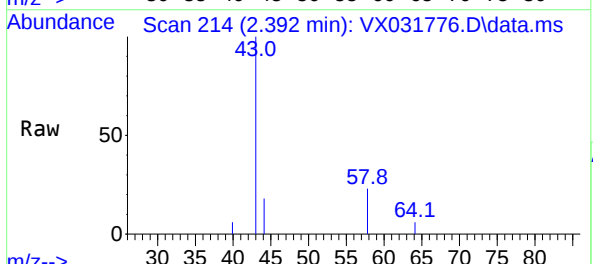
Instrument : MSVOA_X
ClientSampleId : MW-07

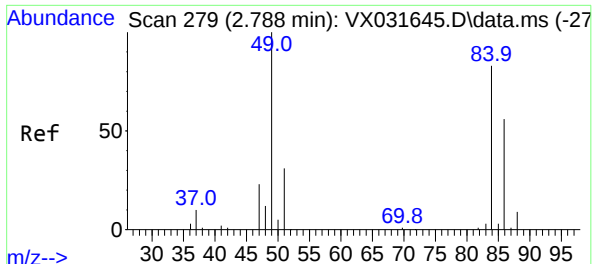
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 43 Resp: 1920
Ion Ratio Lower Upper
43 100
58 23.4 23.8 35.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031776.D

Acq: 29 Sep 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

MW-07

Tgt Ion: 84 Resp: 204

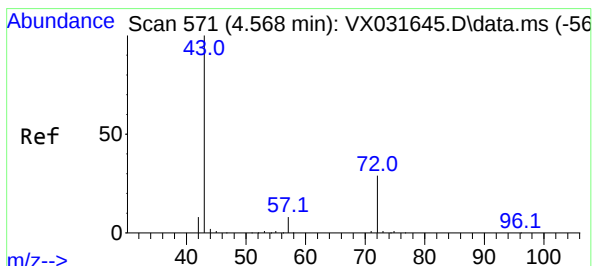
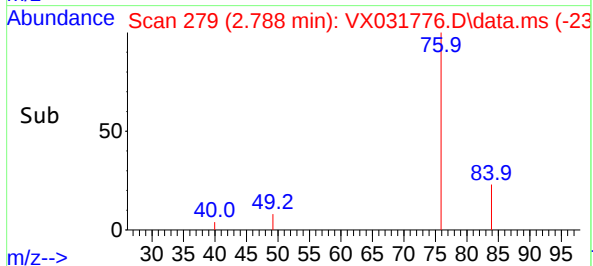
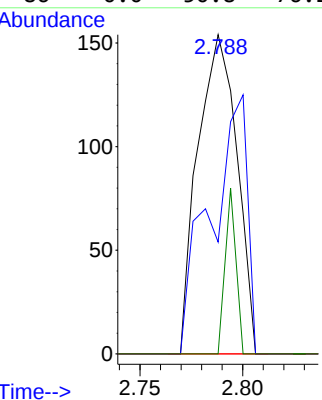
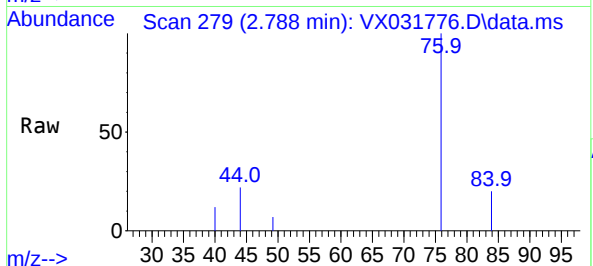
Ion Ratio Lower Upper

84 100

49 35.1 105.9 158.9#

51 0.0 32.2 48.2#

86 0.0 50.8 76.2#



#25

2-Butanone

Concen: 0.844 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX031776.D

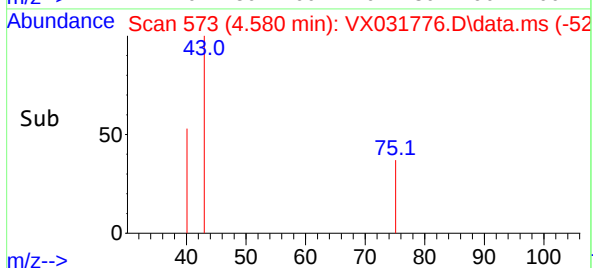
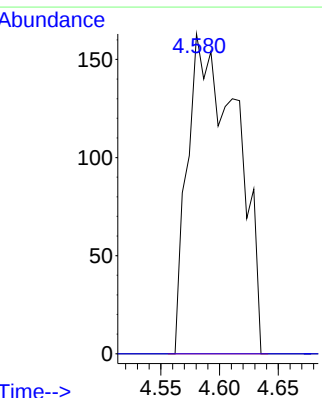
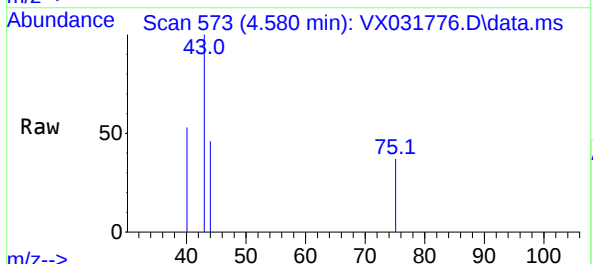
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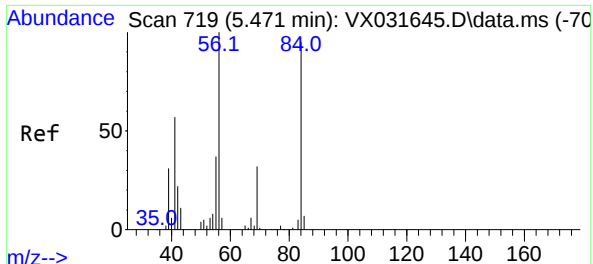
Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

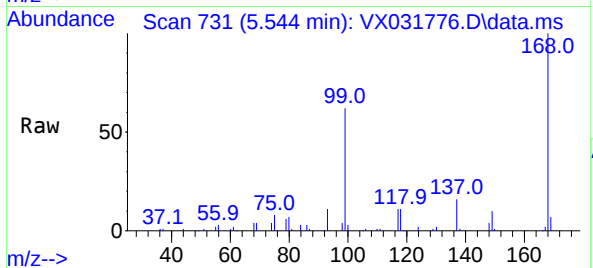
72 0.0 21.1 31.7#



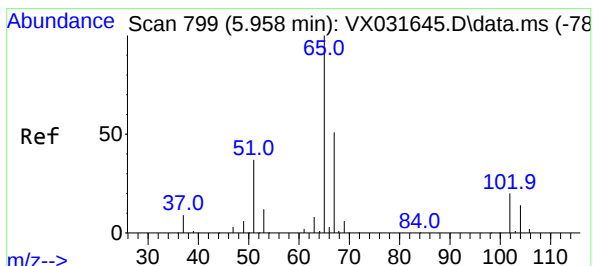
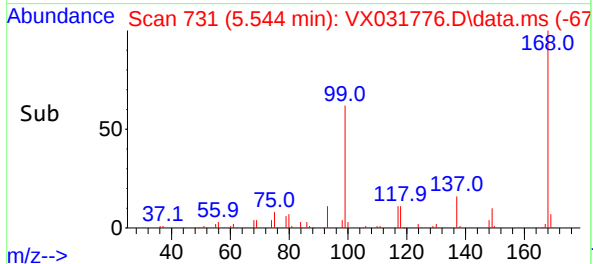
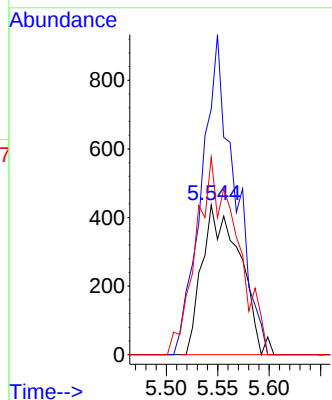


#31
Cyclohexane
Concen: 1.002 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Instrument :
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ClientSampleId :
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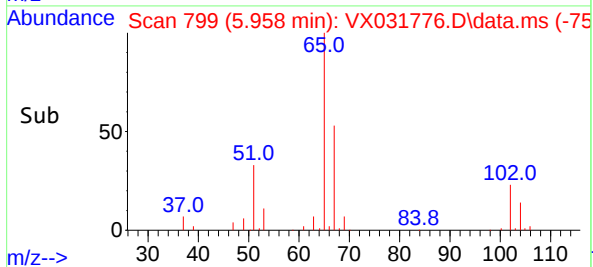
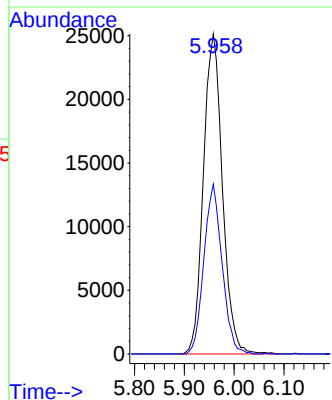
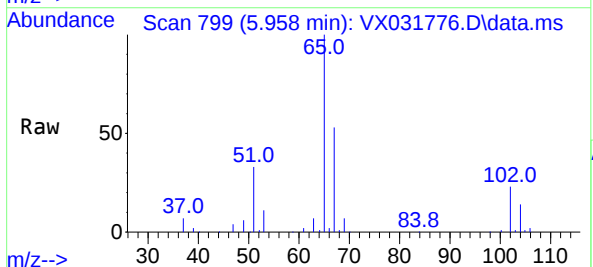


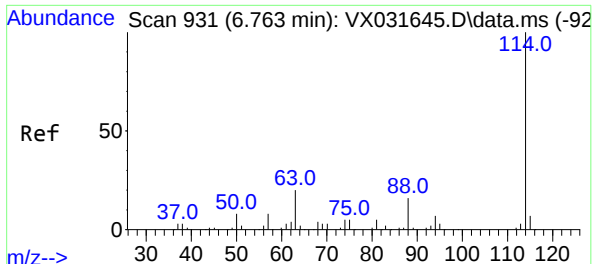
Tgt Ion: 56 Resp: 1118
Ion Ratio Lower Upper
56 100
69 164.2 25.1 37.7#
84 131.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 56.776 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 65 Resp: 66643
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.4

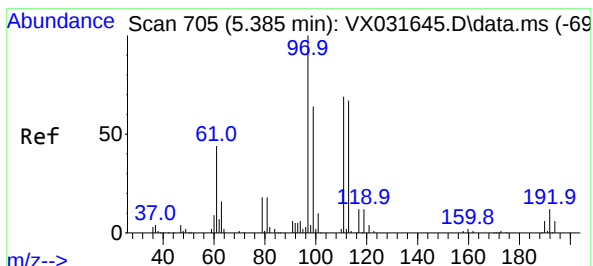
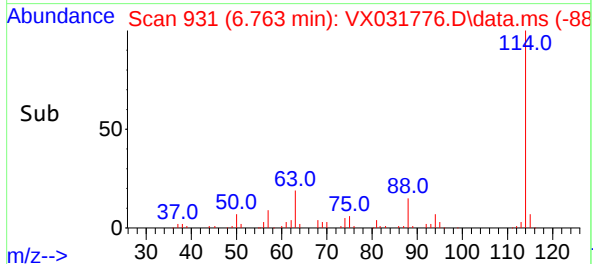
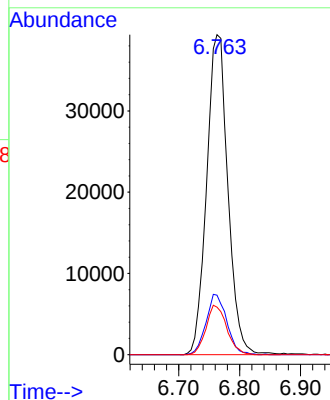
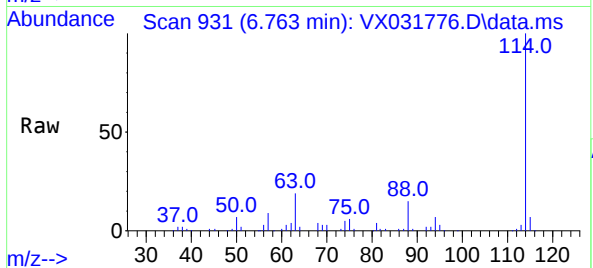




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

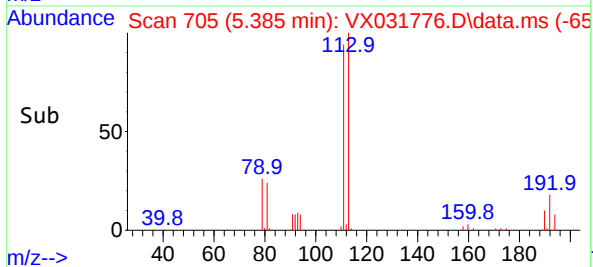
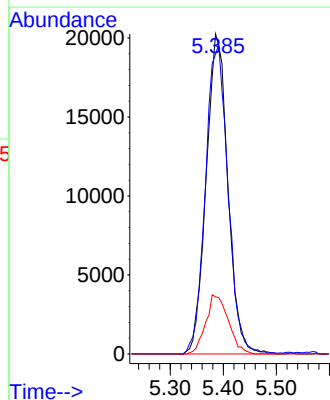
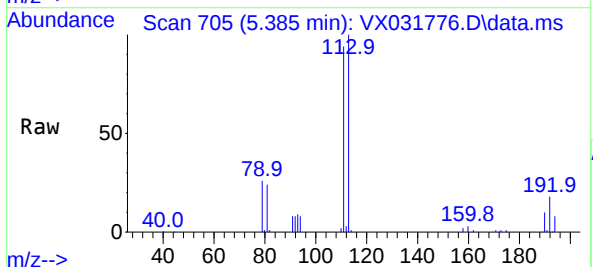
Instrument :
MSVOA_X
ClientSampleId :
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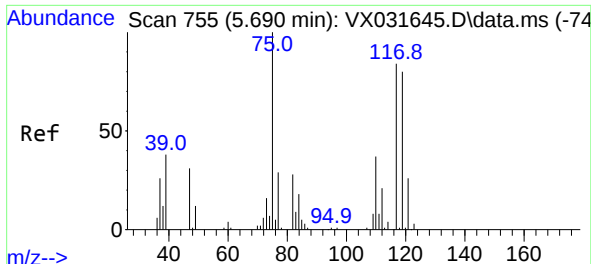
Tgt Ion:	114	Resp:	95430
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	42.6
88	14.9	0.0	33.0



#35
Dibromofluoromethane
Concen: 50.618 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion:	113	Resp:	57556
Ion Ratio	Lower	Upper	
113	100		
111	100.5	82.4	123.6
192	19.2	14.1	21.1

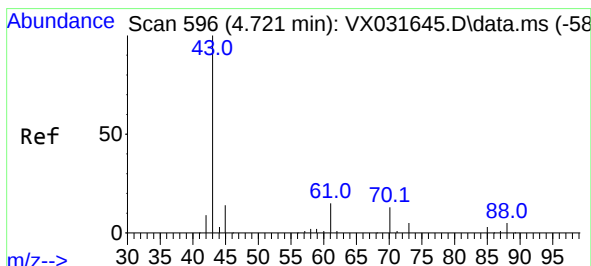
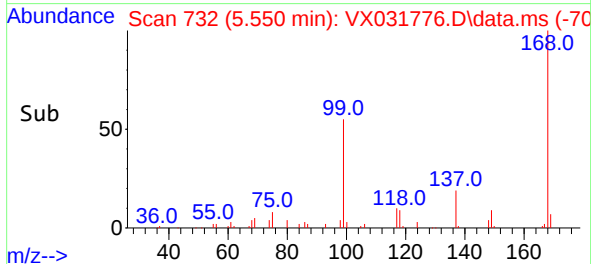
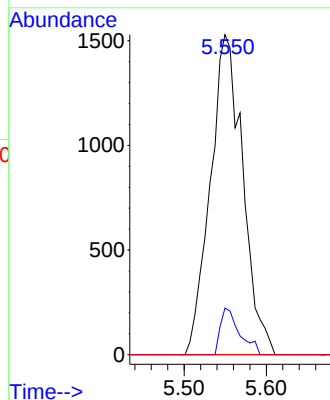
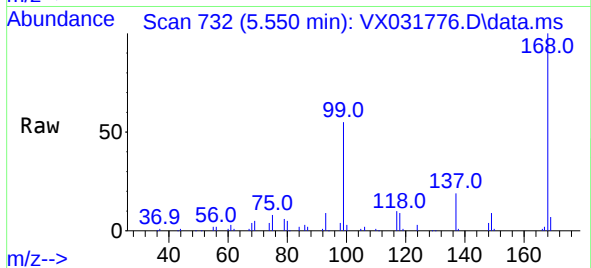




#36
1,1-Dichloropropene
Concen: 3.205 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

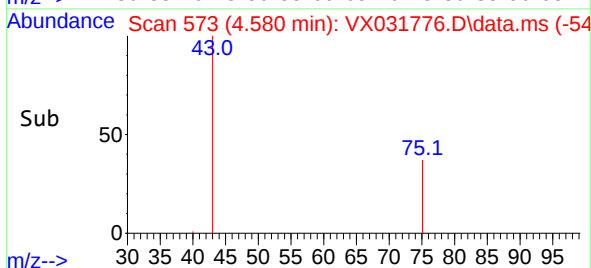
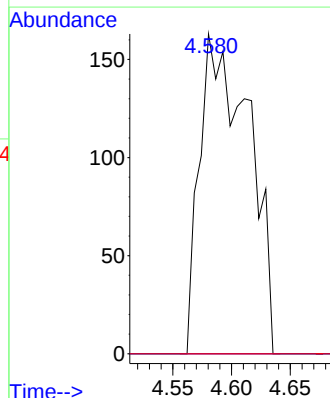
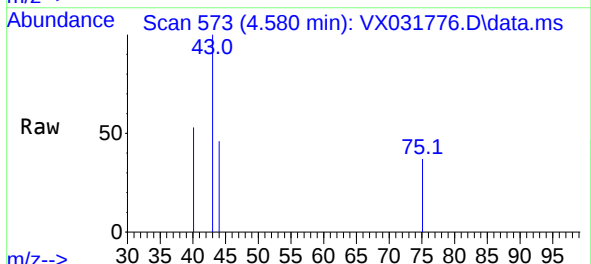
Instrument :
MSVOA_X
ClientSampleId :
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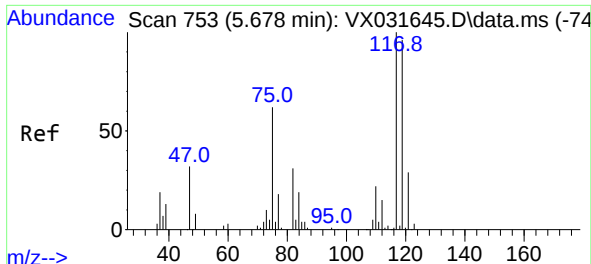
Tgt Ion: 75 Resp: 4185
Ion Ratio Lower Upper
75 100
110 8.6 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.359 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.141 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.6 13.0#

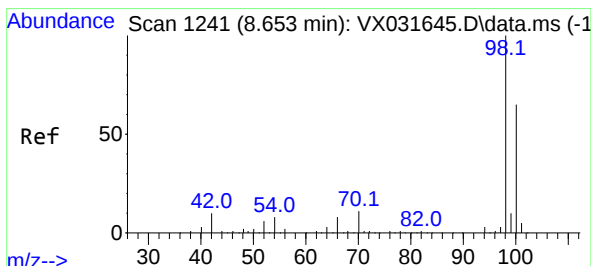
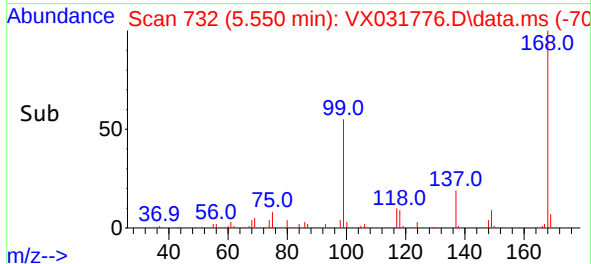
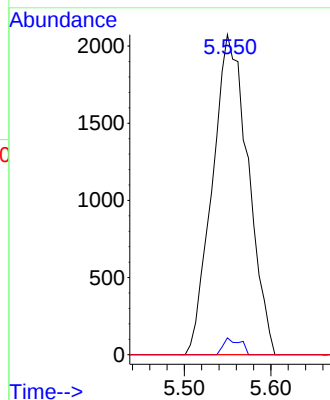
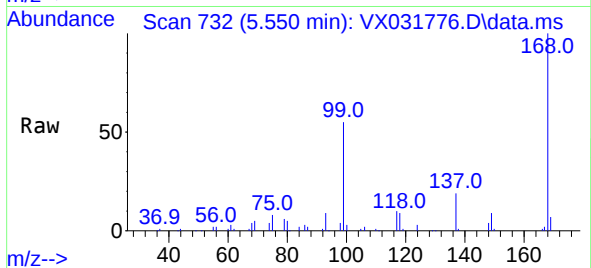




#38
Carbon Tetrachloride
Concen: 4.046 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

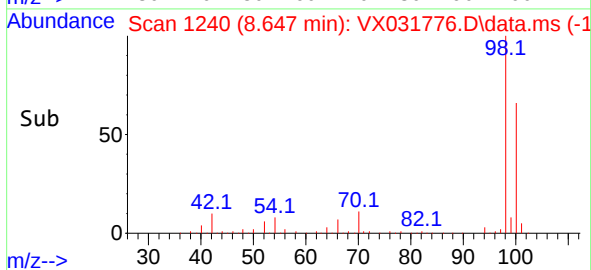
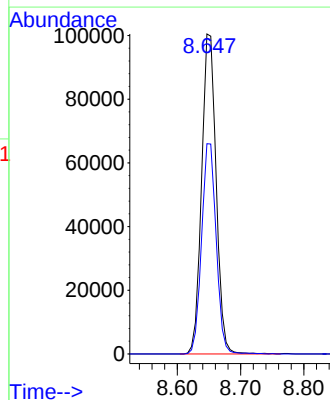
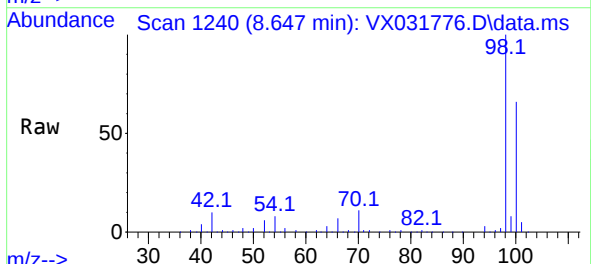
Instrument :
MSVOA_X
ClientSampleId :
MW-07

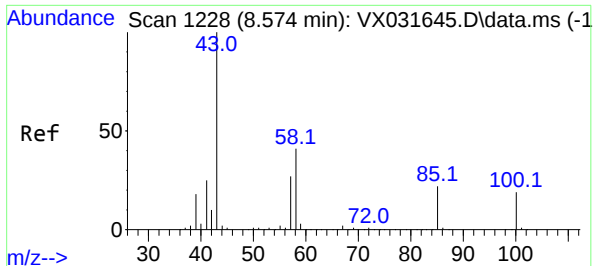
Tgt Ion:117 Resp: 5954
Ion Ratio Lower Upper
117 100
119 5.3 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 38.997 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 98 Resp: 160759
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX031776.D

Acq: 29 Sep 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

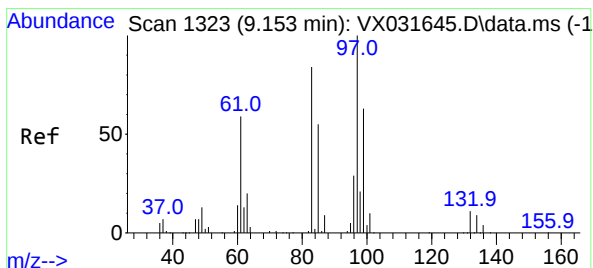
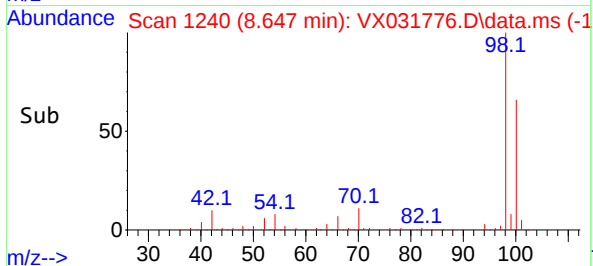
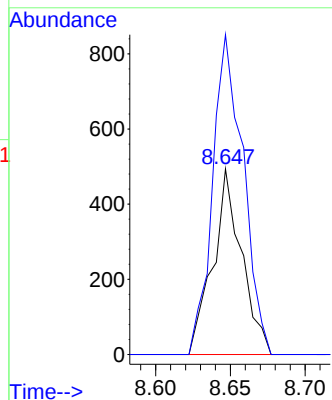
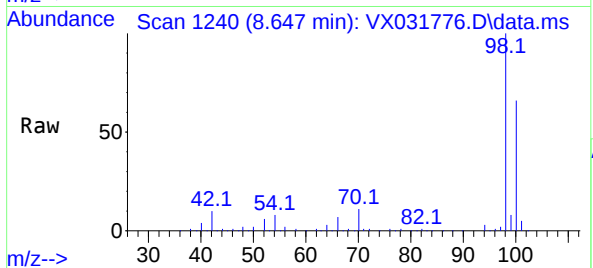
MW-07

Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

58 183.5 30.6 46.0#



#55

1,1,2-Trichloroethane

Concen: 0.294 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.055 min

Lab File: VX031776.D

Acq: 29 Sep 2022 16:19

Tgt Ion: 97 Resp: 338

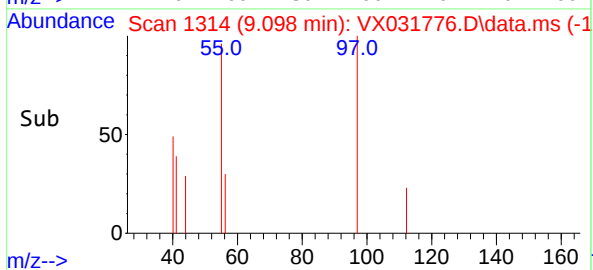
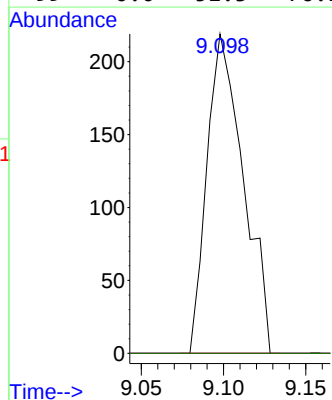
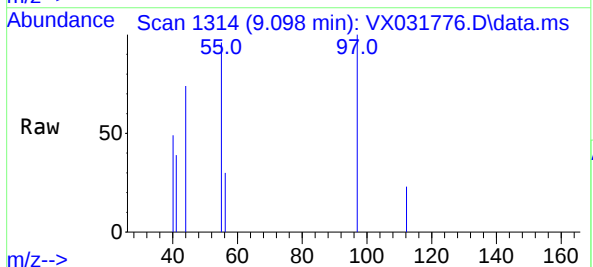
Ion Ratio Lower Upper

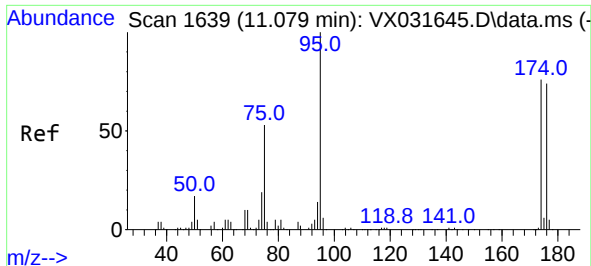
97 100

83 0.0 69.0 103.6#

85 0.0 44.1 66.1#

99 0.0 51.3 76.9#

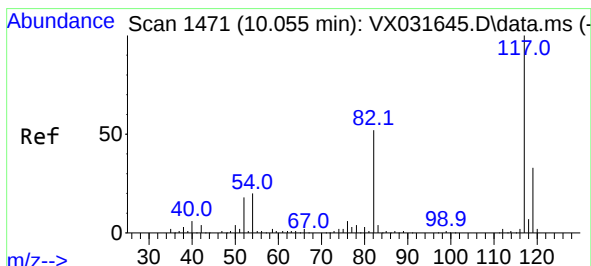
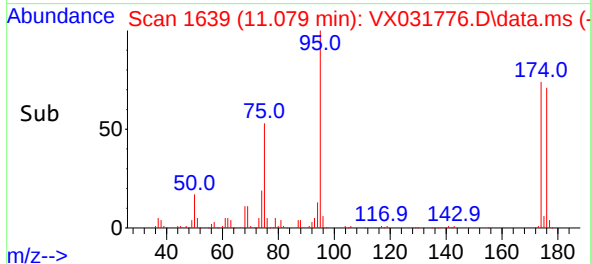
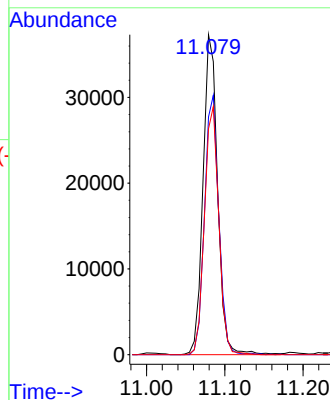
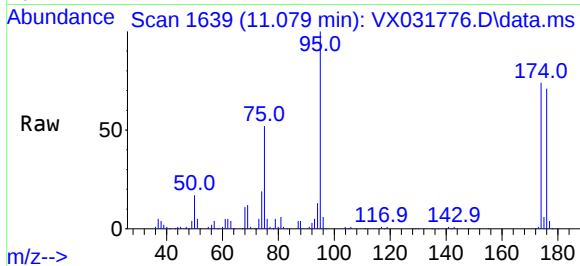




#62
4-Bromofluorobenzene
Concen: 31.917 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

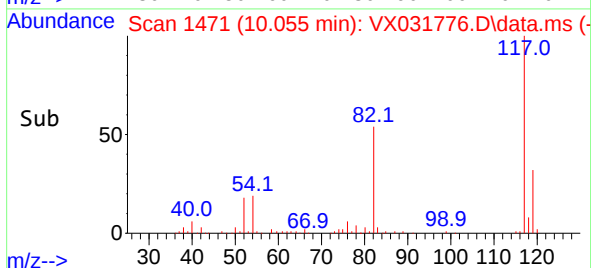
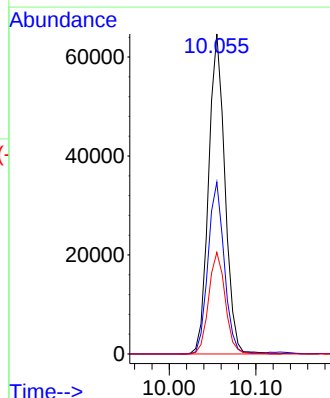
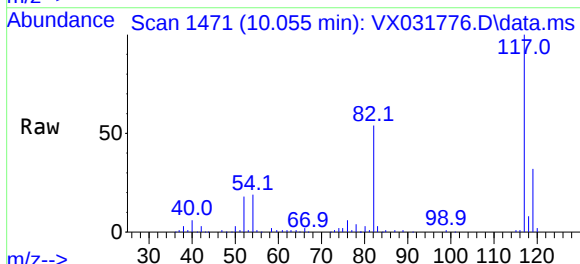
Instrument :
MSVOA_X
ClientSampleId :
MW-07

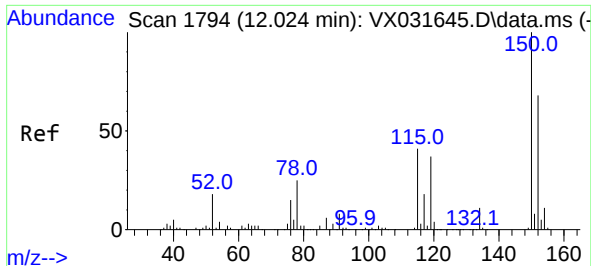
Tgt Ion: 95 Resp: 48224
Ion Ratio Lower Upper
95 100
174 79.1 0.0 153.2
176 76.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 117 Resp: 84685
Ion Ratio Lower Upper
117 100
82 53.7 46.8 70.2
119 31.7 26.4 39.6

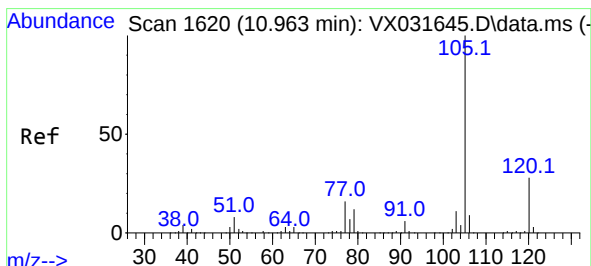
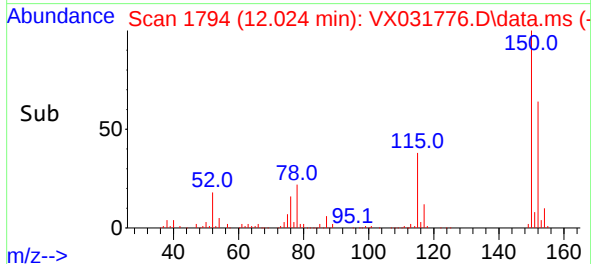
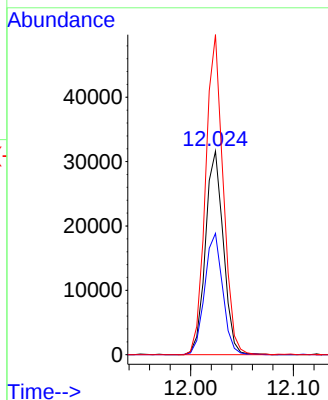
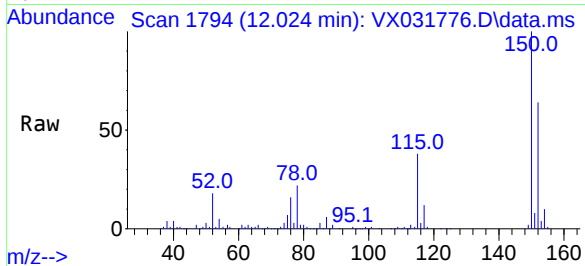




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

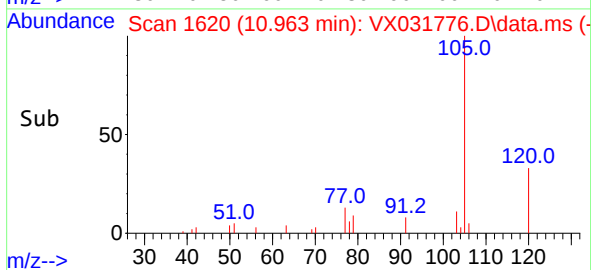
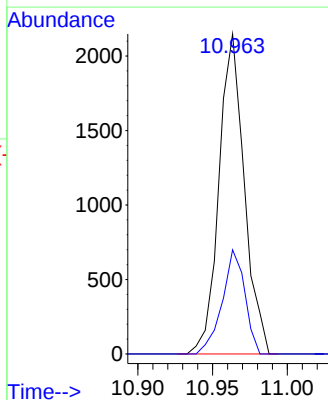
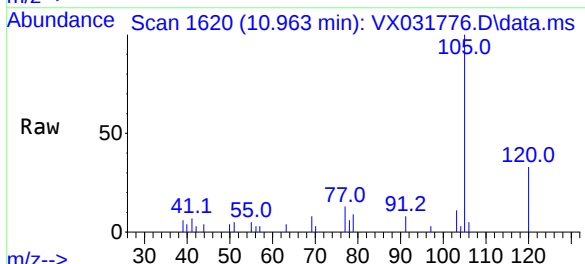
Instrument :
MSVOA_X
ClientSampleId :
MW-07

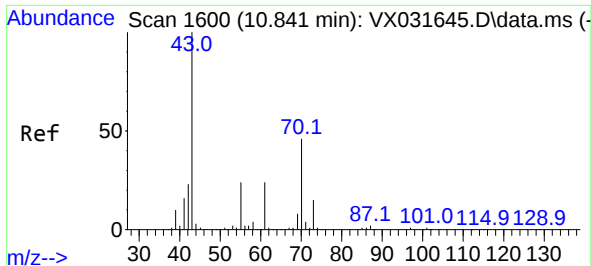
Tgt Ion:152 Resp: 38255
Ion Ratio Lower Upper
152 100
115 60.0 43.4 130.1
150 154.5 0.0 346.8



#73
Isopropylbenzene
Concen: 1.021 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion:105 Resp: 2526
Ion Ratio Lower Upper
105 100
120 29.1 13.7 41.0

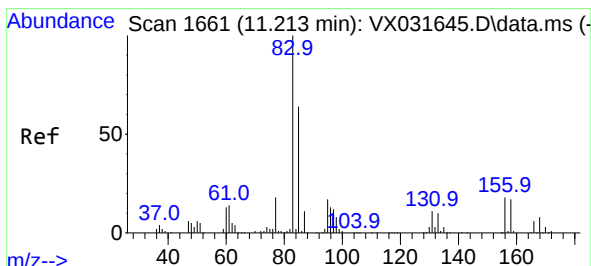
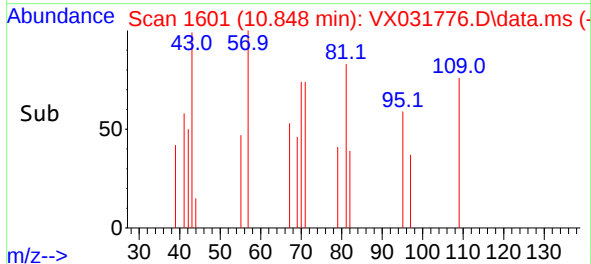
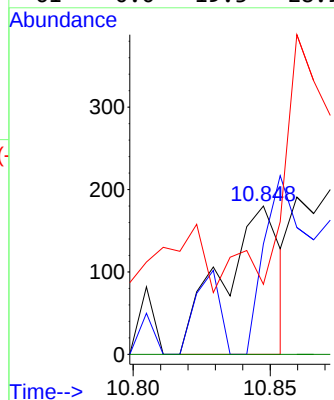
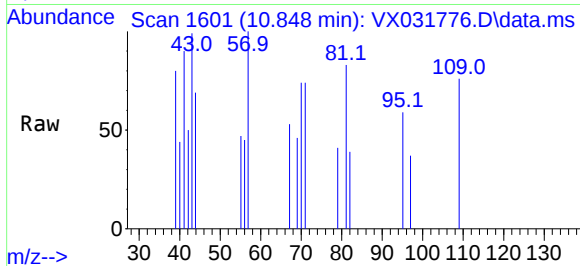




#74
N-amy1 acetate
Concen: 0.326 ug/l
RT: 10.848 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

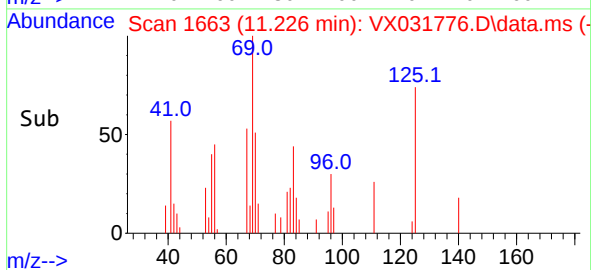
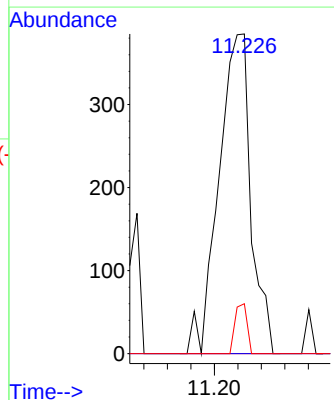
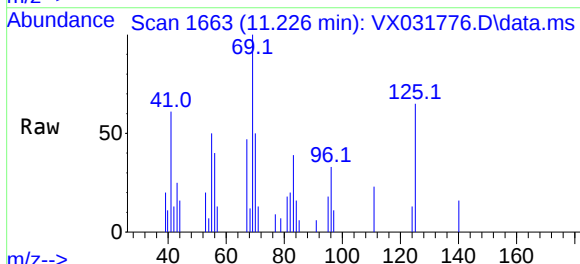
Instrument :
MSVOA_X
ClientSampleId :
MW-07

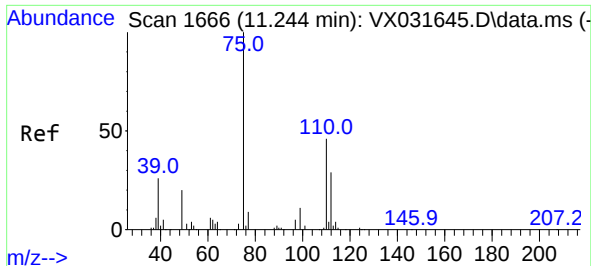
Tgt Ion:	43	Resp:	262
Ion	Ratio	Lower	Upper
43	100		
70	90.1	33.4	50.2#
55	401.9	18.2	27.2#
61	0.0	19.3	28.9#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.929 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.013 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion:	83	Resp:	730
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.4#
85	5.8	32.6	97.8#

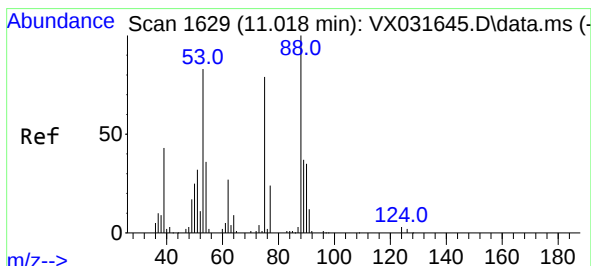
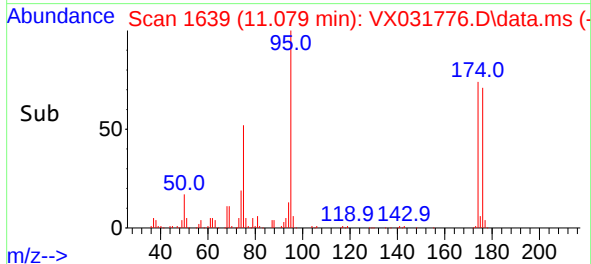
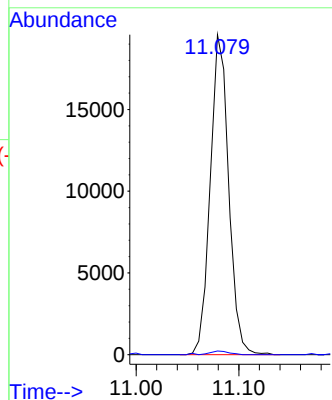
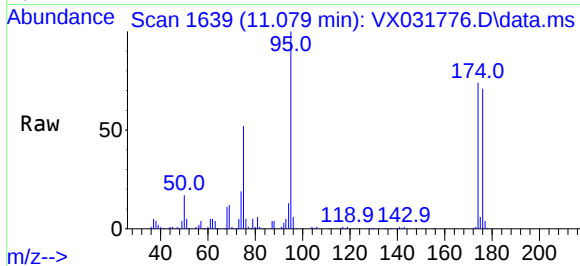




#76
1,2,3-Trichloropropane
Concen: 35.112 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

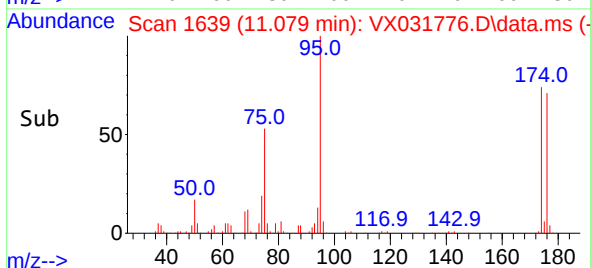
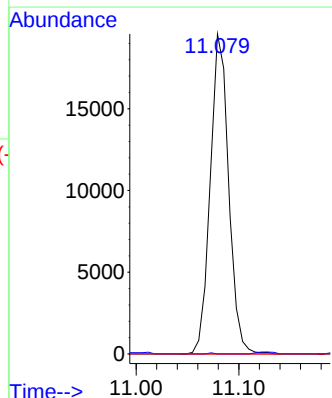
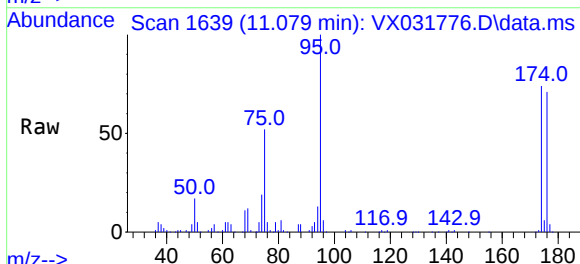
Instrument :
MSVOA_X
ClientSampleId :
MW-07

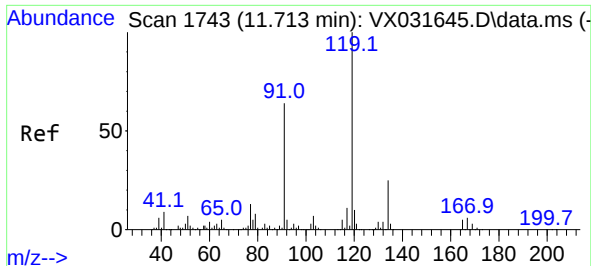
Tgt Ion: 75 Resp: 24351
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.213 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 75 Resp: 24351
Ion Ratio Lower Upper
75 100
53 0.1 77.6 116.4#
89 0.0 37.4 56.0#

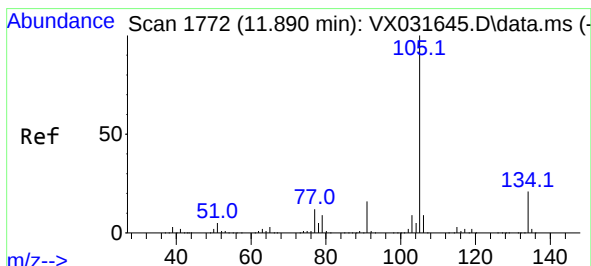
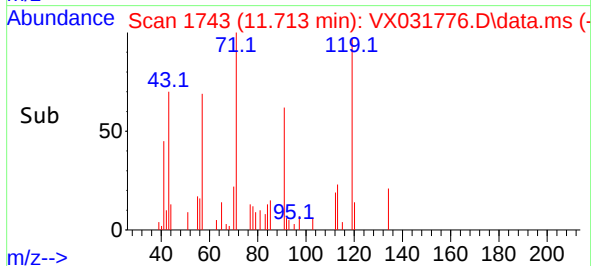
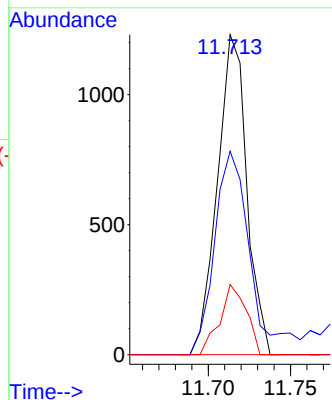
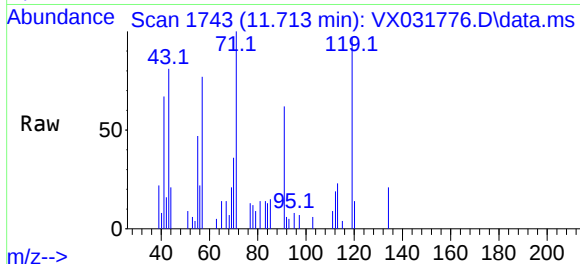




#83
tert-Butylbenzene
Concen: 0.758 ug/l
RT: 11.713 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

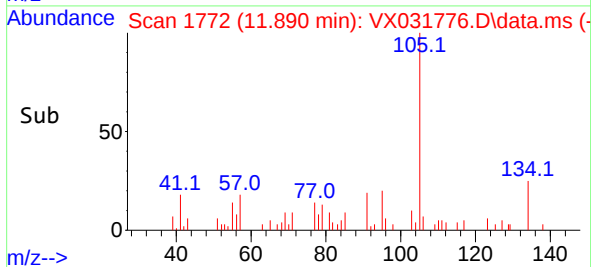
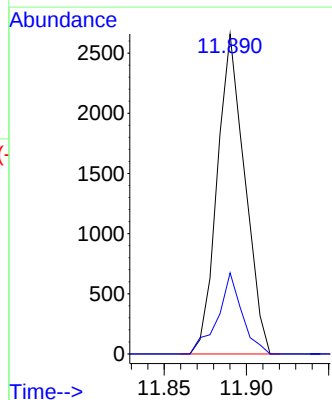
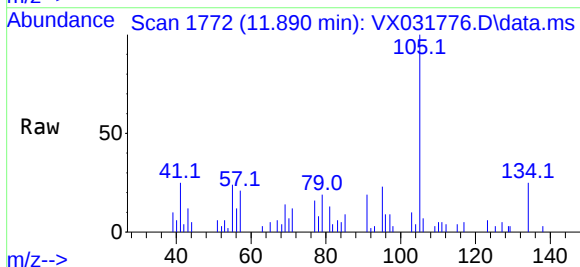
Instrument :
MSVOA_X
ClientSampleId :
MW-07

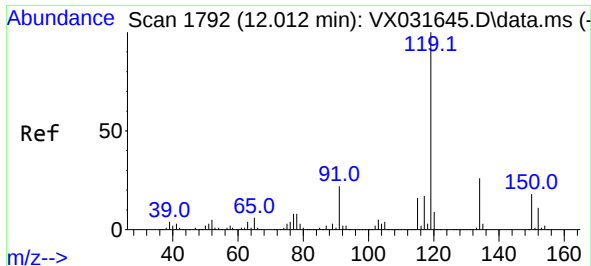
Tgt Ion:	119	Resp:	1533
Ion	Ratio	Lower	Upper
119	100		
91	77.2	29.2	87.6
134	19.8	11.6	34.8



#85
sec-Butylbenzene
Concen: 1.205 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion:	105	Resp:	3098
Ion	Ratio	Lower	Upper
105	100		
134	22.5	10.4	31.1

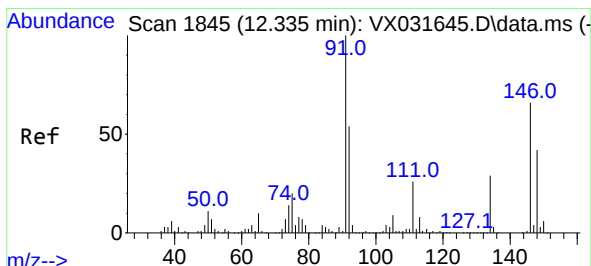
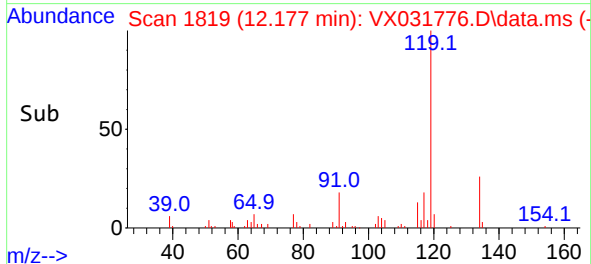
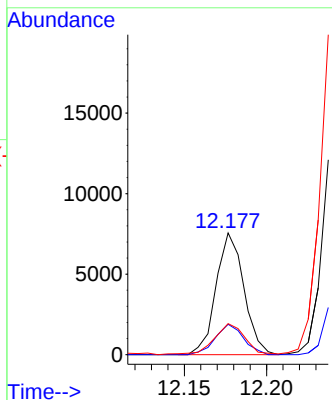
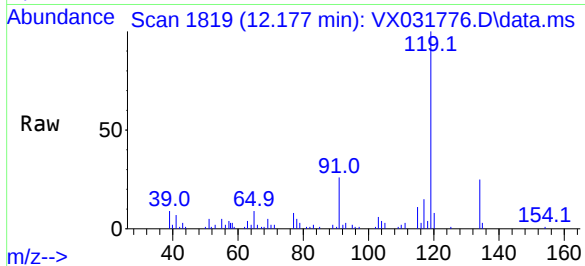




#86
p-Isopropyltoluene
Concen: 4.020 ug/l
RT: 12.177 min Scan# 1191
Delta R.T. 0.165 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

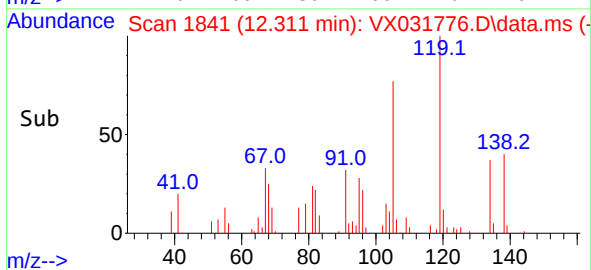
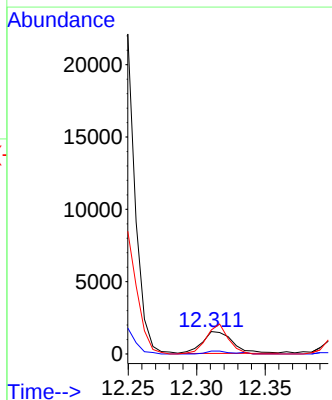
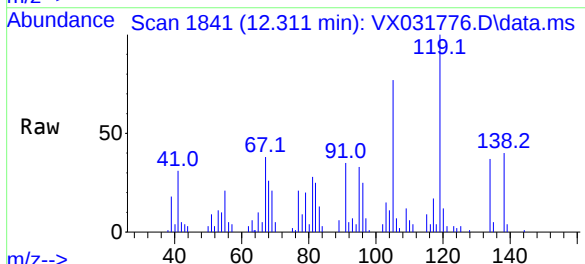
Instrument :
MSVOA_X
ClientSampleId :
MW-07

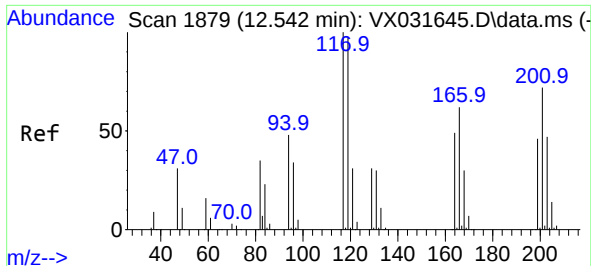
Tgt Ion:119 Resp: 8910
Ion Ratio Lower Upper
119 100
134 25.4 13.4 40.2
91 28.1 12.4 37.2



#89
n-Butylbenzene
Concen: 1.307 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.024 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 91 Resp: 2367
Ion Ratio Lower Upper
91 100
92 11.2 27.0 81.0#
134 97.8 13.3 39.9#

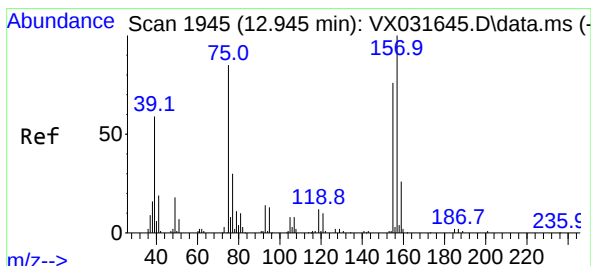
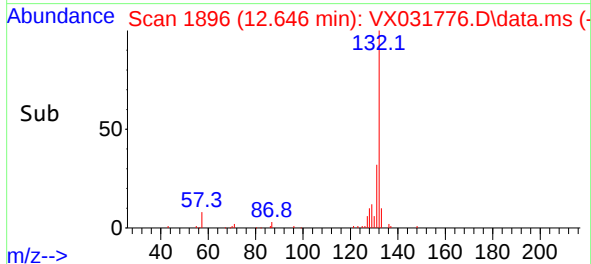
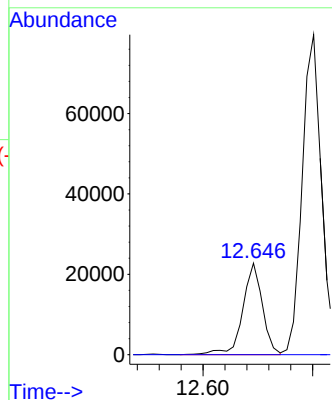
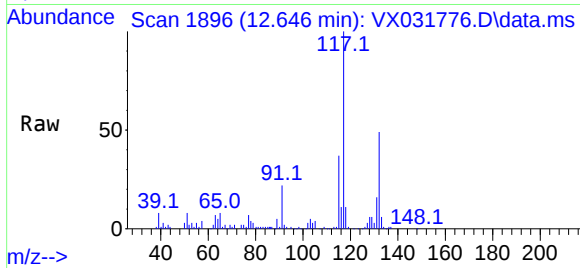




#90
Hexachloroethane
Concen: 79.631 ug/l
RT: 12.646 min Scan# 1879
Delta R.T. 0.104 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

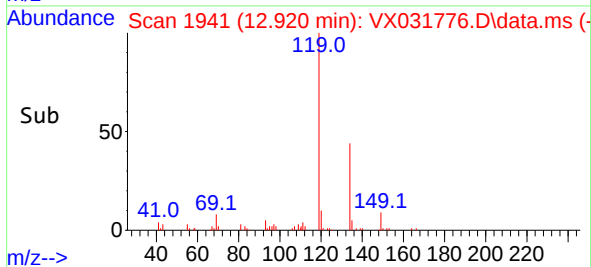
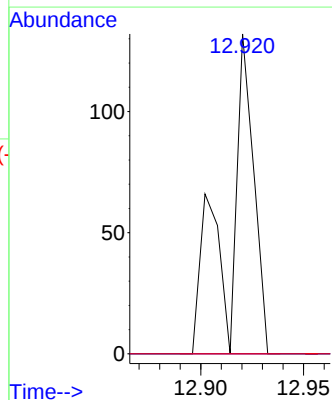
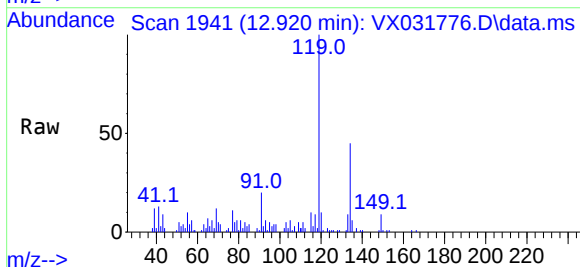
Instrument :
MSVOA_X
ClientSampleId :
MW-07

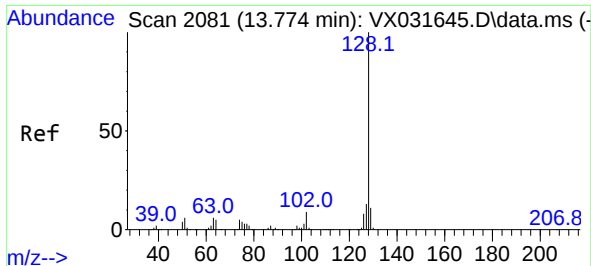
Tgt Ion:117 Resp: 28301
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.743 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.025 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion: 75 Resp: 117
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.5 154.5#

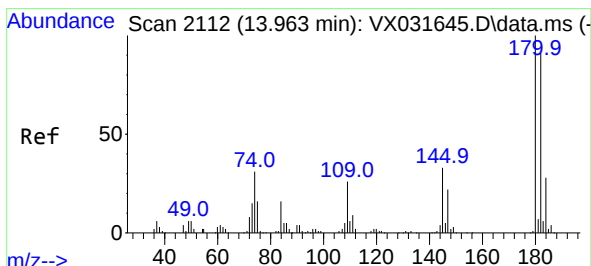
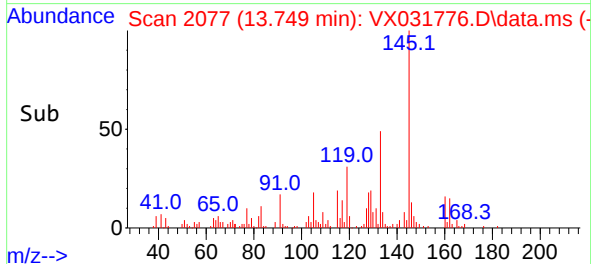
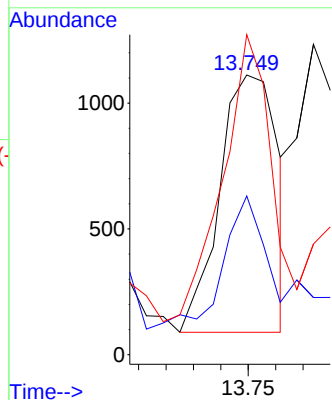
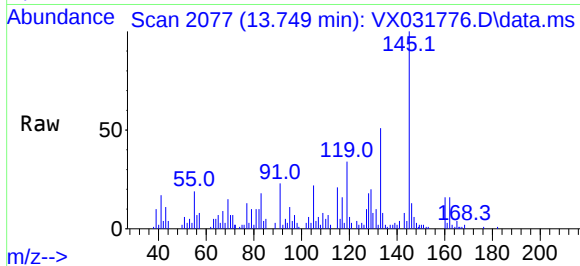




#95
Naphthalene
Concen: 0.635 ug/l
RT: 13.749 min Scan# 2081
Delta R.T. -0.025 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Instrument :
MSVOA_X
ClientSampleId :
MW-07

Tgt Ion:128 Resp: 1515
Ion Ratio Lower Upper
128 100
127 55.0 10.4 15.6#
129 92.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.594 ug/l
RT: 13.981 min Scan# 2115
Delta R.T. 0.018 min
Lab File: VX031776.D
Acq: 29 Sep 2022 16:19

Tgt Ion:180 Resp: 435
Ion Ratio Lower Upper
180 100
182 35.4 47.9 143.8#
145 3554.7 17.6 52.8#

