

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031772.D
 Acq On : 29 Sep 2022 14:46
 Operator : JC/MD
 Sample : N4860-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03

Quant Time: Sep 30 04:32:11 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)

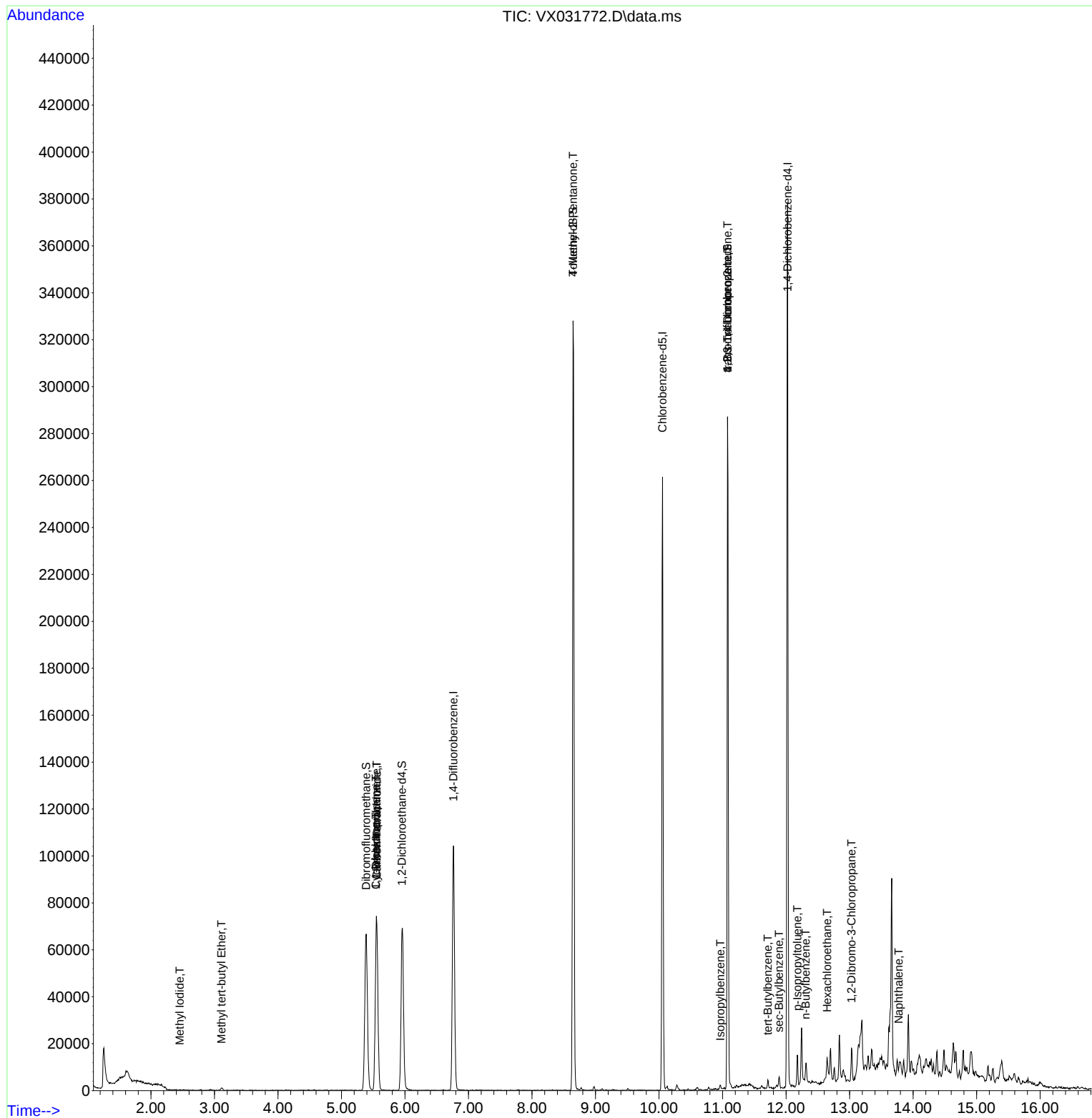
Internal Standards						
1) Pentafluorobenzene	5.550	168	71184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	110683	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67753	44.845	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.700%
35) Dibromofluoromethane	5.385	113	57078	43.280	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.560%
50) Toluene-d8	8.647	98	200477	41.930	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	83.860%#
62) 4-Bromofluorobenzene	11.079	95	72313	41.265	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.520%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.258	50	455	Below Cal	#	41
5) Bromomethane	1.618	94	506	Below Cal	#	76
6) Chloroethane	1.733	64	245	Below Cal	#	70
10) Methyl Iodide	2.453	142	211	0.227 ug/l	#	54
11) Tert butyl alcohol	2.953	59	191	Below Cal	#	73
16) Acetone	2.386	43	400	Below Cal	#	45
17) Carbon Disulfide	2.520	76	226	Below Cal	#	75
19) Methyl tert-butyl Ether	3.111	73	1470	0.437 ug/l	#	90
20) Methylene Chloride	2.794	84	174	Below Cal	#	50
31) Cyclohexane	5.544	56	1461	1.017 ug/l	#	49
36) 1,1-Dichloropropene	5.544	75	5338	3.524 ug/l	#	47
38) Carbon Tetrachloride	5.556	117	7105	4.163 ug/l	#	16
51) 4-Methyl-2-Pentanone	8.647	43	830	0.545 ug/l	#	1
73) Isopropylbenzene	10.964	105	1036	0.203 ug/l	#	88
76) 1,2,3-Trichloropropane	11.079	75	38893	27.199 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38893	89.936 ug/l	#	11
83) tert-Butylbenzene	11.713	119	1319	0.316 ug/l	#	76
85) sec-Butylbenzene	11.890	105	2512	0.474 ug/l	#	88
86) p-Isopropyltoluene	12.177	119	6078	1.330 ug/l	#	95
89) n-Butylbenzene	12.311	91	1047	0.280 ug/l	#	36
90) Hexachloroethane	12.646	117	2553	3.484 ug/l	#	15
92) 1,2-Dibromo-3-Chloropr...	13.030	75	75	0.231 ug/l	#	3
95) Naphthalene	13.774	128	1315	0.267 ug/l	#	52

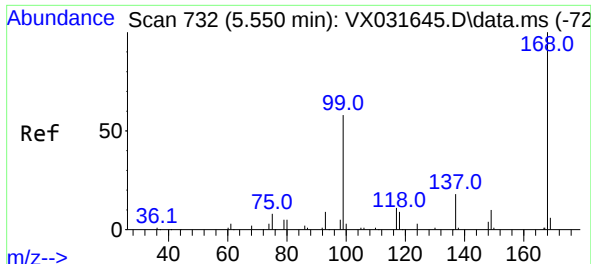
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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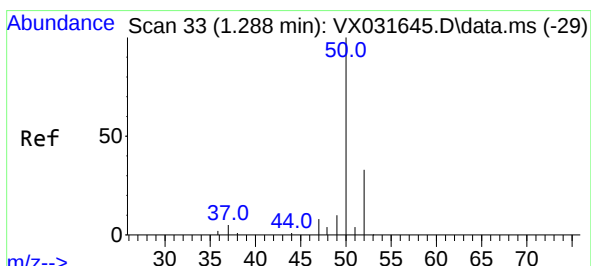
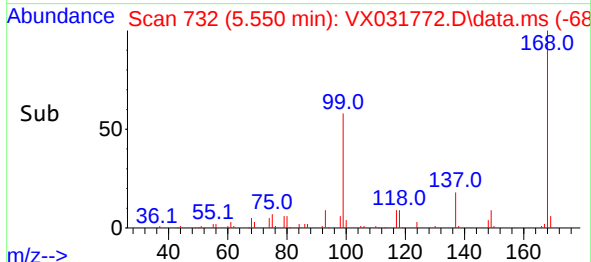
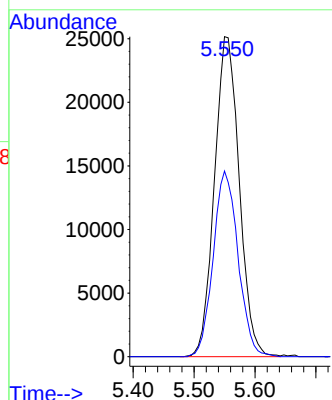
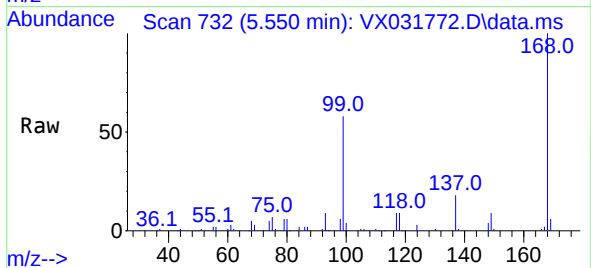




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

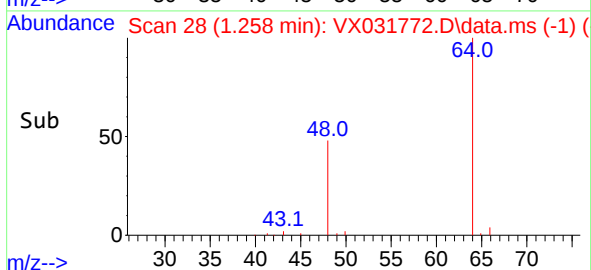
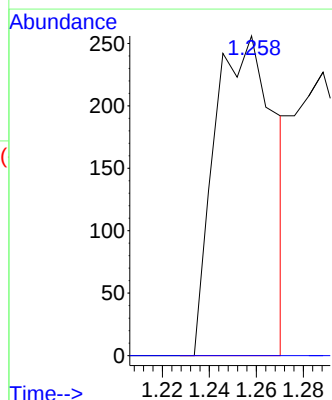
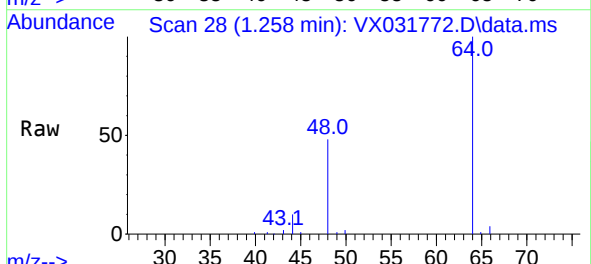
Instrument :
MSVOA_X
ClientSampleId :
MW-03

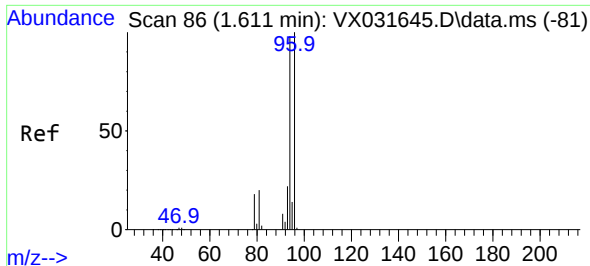
Tgt Ion:168 Resp: 71184
Ion Ratio Lower Upper
168 100
99 58.0 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.258 min Scan# 28
Delta R.T. -0.030 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 50 Resp: 455
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

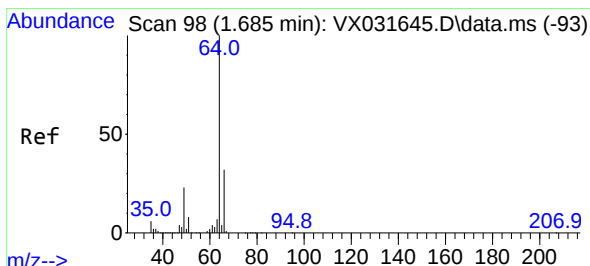
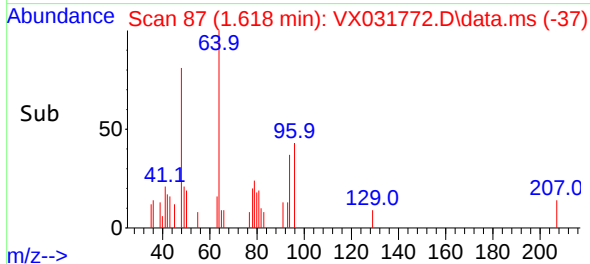
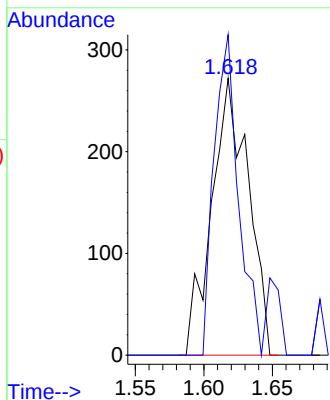
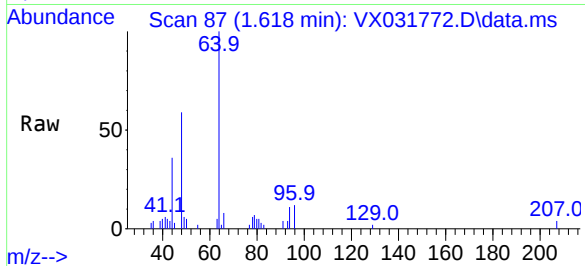




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

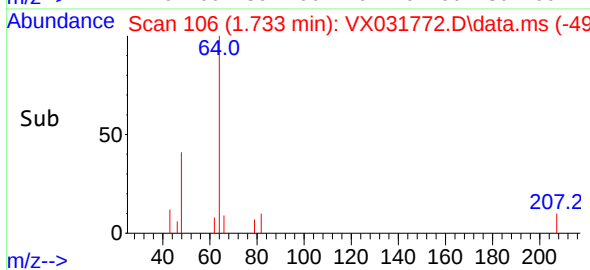
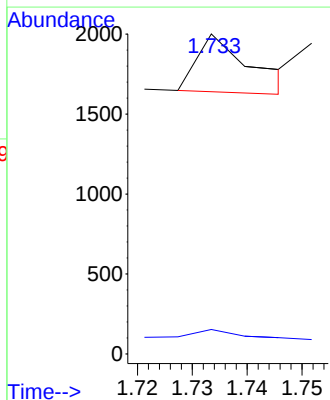
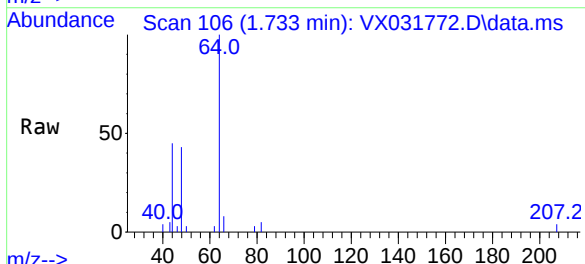
Instrument :
MSVOA_X
ClientSampleId :
MW-03

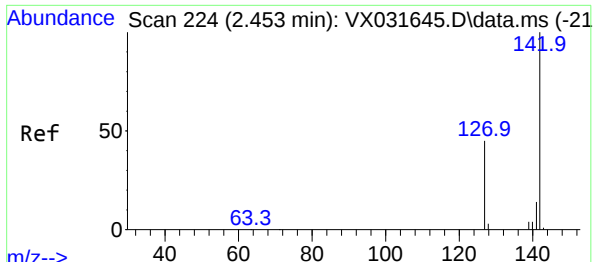
Tgt Ion: 94 Resp: 506
Ion Ratio Lower Upper
94 100
96 115.8 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.733 min Scan# 106
Delta R.T. 0.048 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

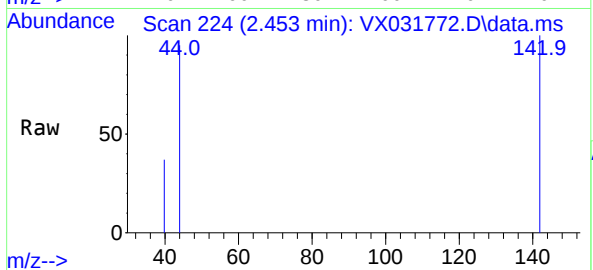
Tgt Ion: 64 Resp: 245
Ion Ratio Lower Upper
64 100
66 14.4 25.0 37.4#





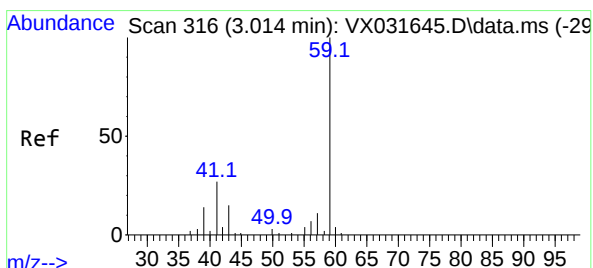
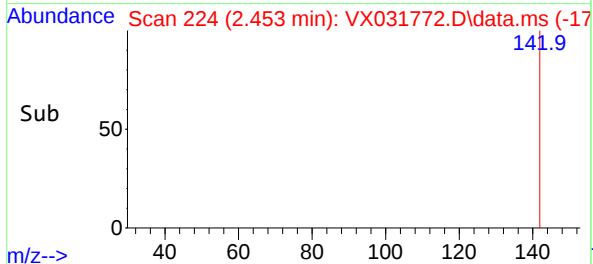
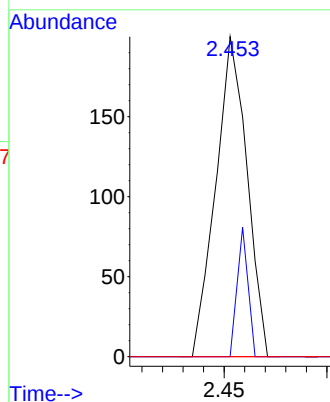
#10
Methyl Iodide
Concen: 0.227 ug/l
RT: 2.453 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :
MW-03



Tgt Ion:142 Resp: 211

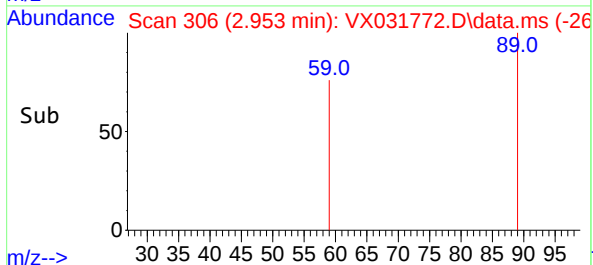
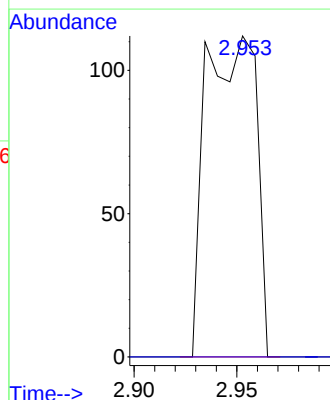
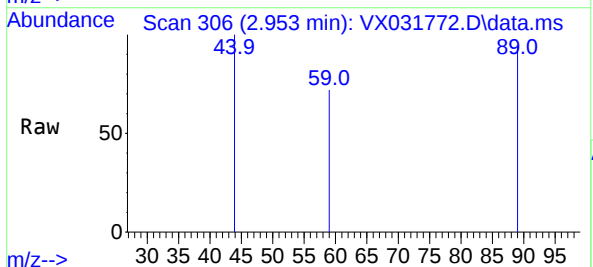
Ion	Ratio	Lower	Upper
142	100		
127	14.2	37.4	56.0#
141	0.0	11.6	17.4#

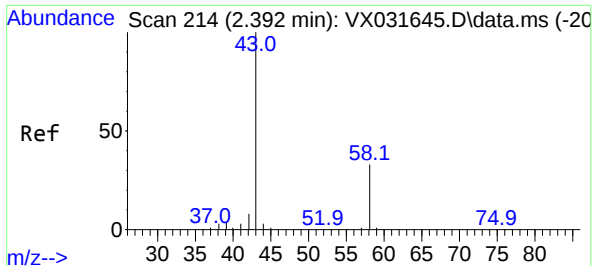


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 59 Resp: 191

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

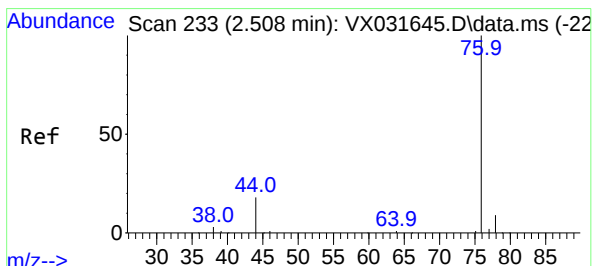
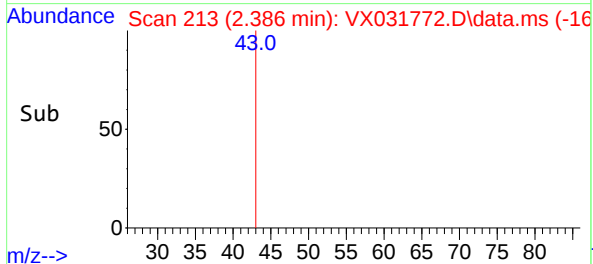
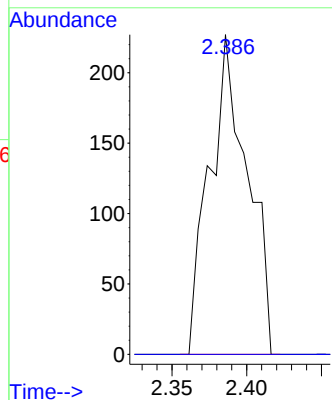
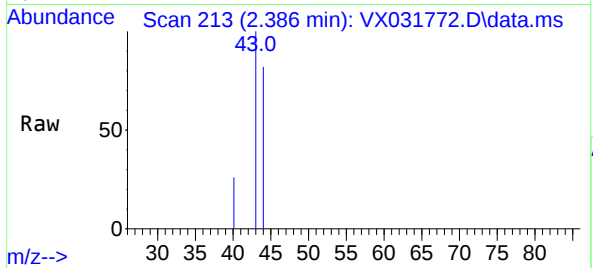




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

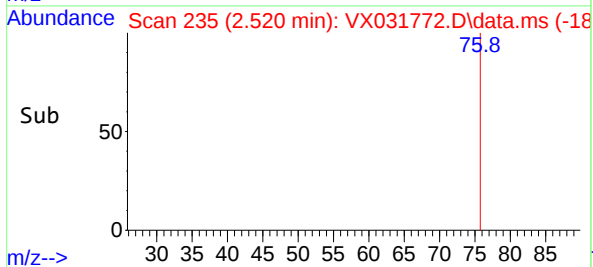
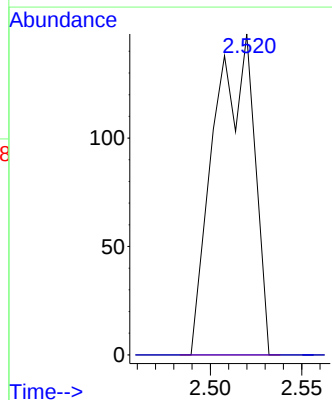
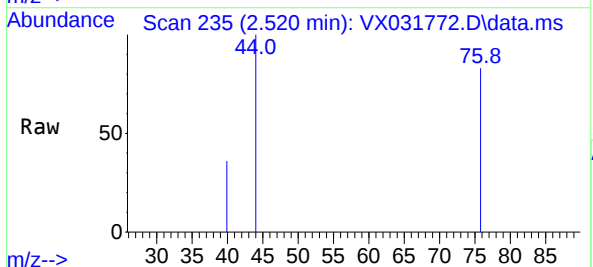
Instrument :
MSVOA_X
ClientSampleId :
MW-03

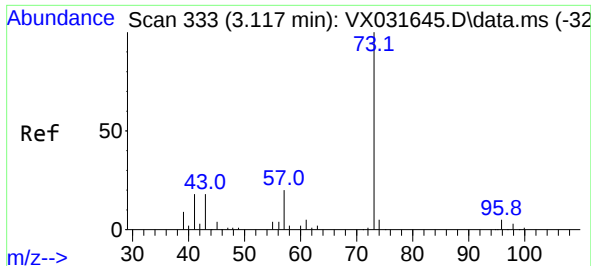
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 76 Resp: 226
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

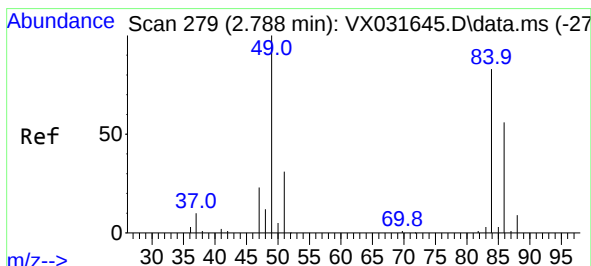
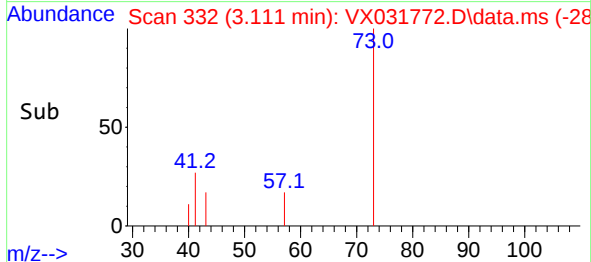
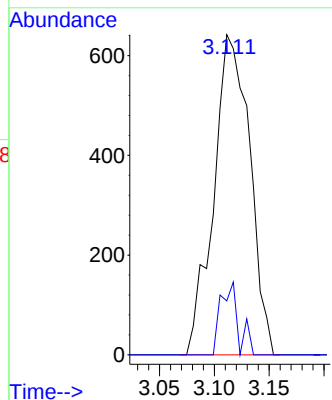
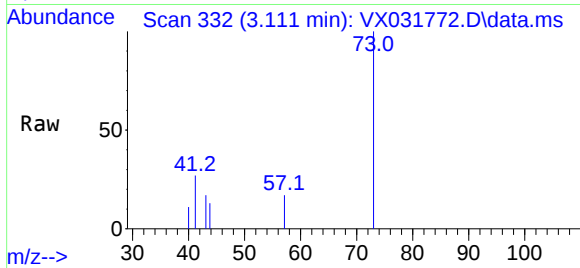




#19
Methyl tert-butyl Ether
Concen: 0.437 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

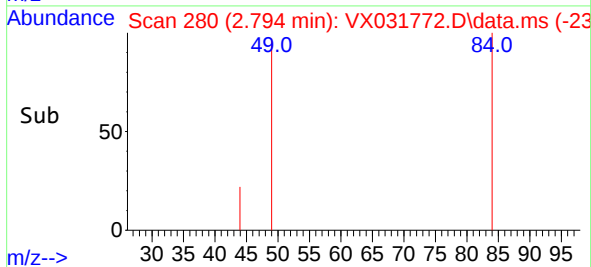
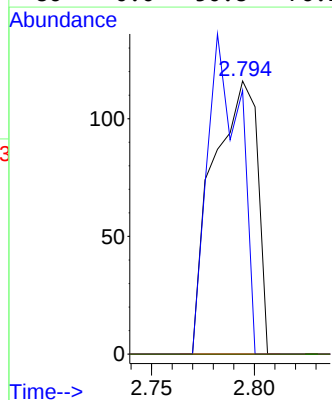
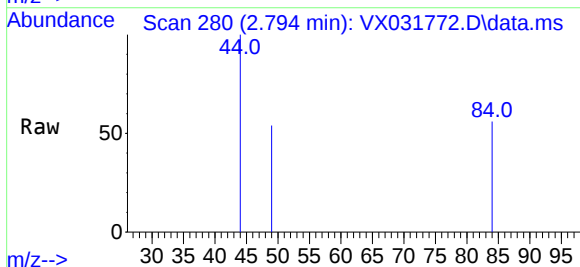
Instrument :
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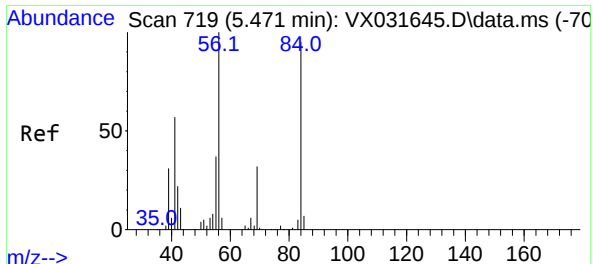
Tgt Ion: 73 Resp: 1470
Ion Ratio Lower Upper
73 100
57 16.8 17.2 25.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 84 Resp: 174
Ion Ratio Lower Upper
84 100
49 96.6 105.9 158.9#
51 0.0 32.2 48.2#
86 0.0 50.8 76.2#

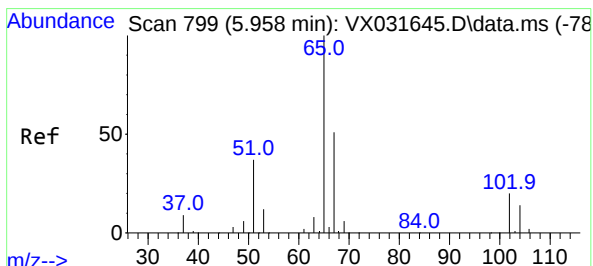
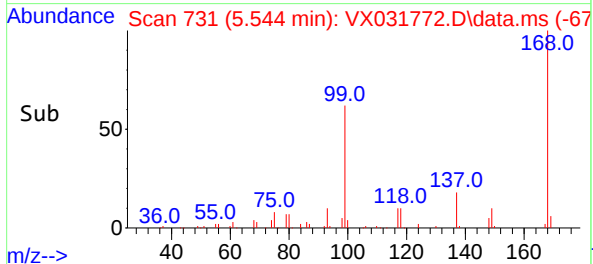
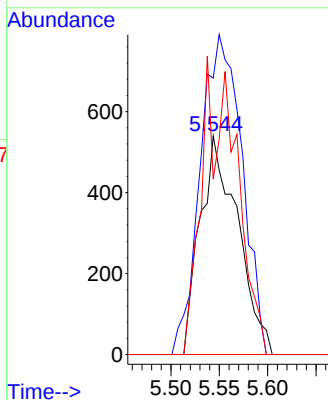
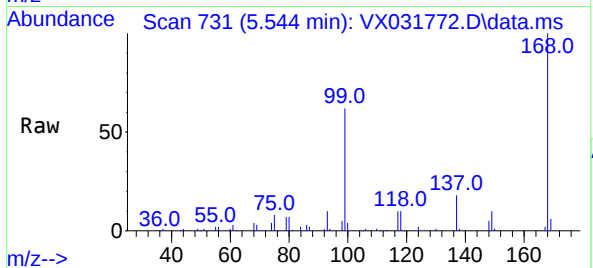




#31
Cyclohexane
Concen: 1.017 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

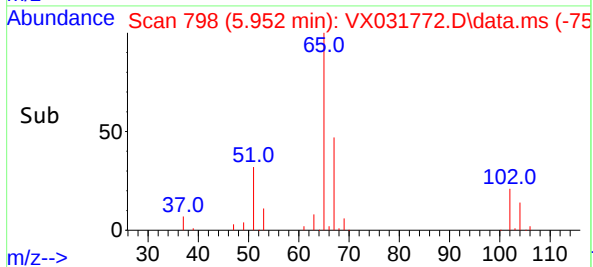
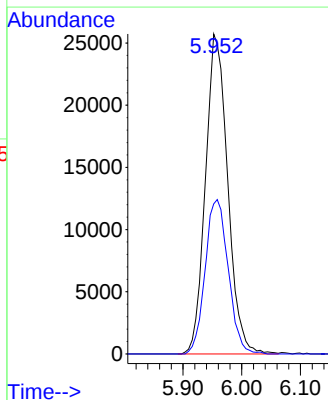
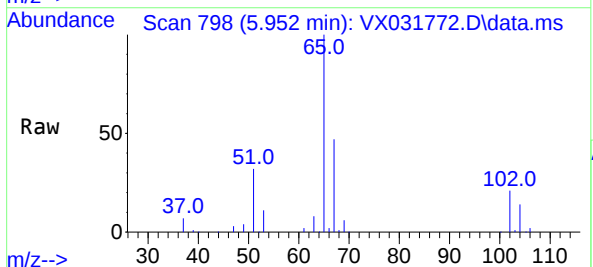
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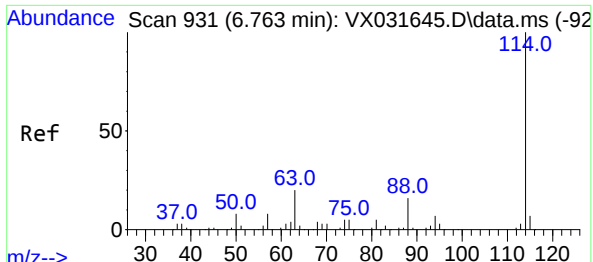
Tgt Ion: 56 Resp: 1461
Ion Ratio Lower Upper
56 100
69 126.5 25.1 37.7#
84 80.2 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 44.845 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 65 Resp: 67753
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.4

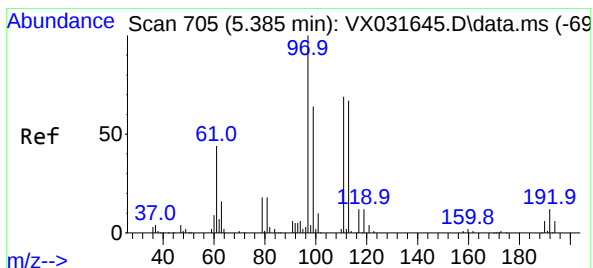
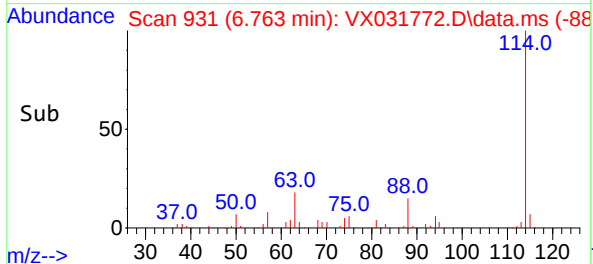
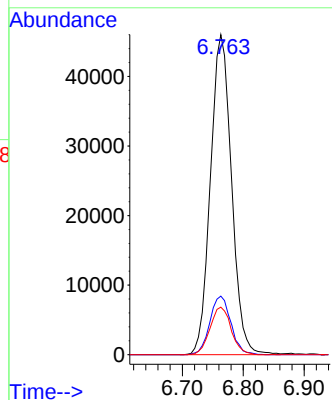
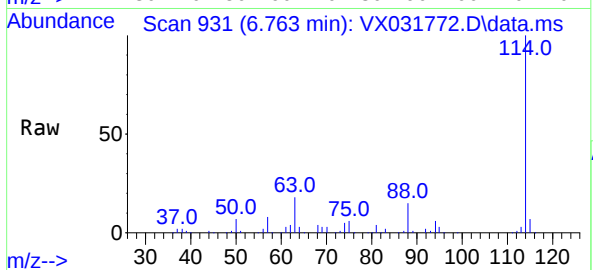




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

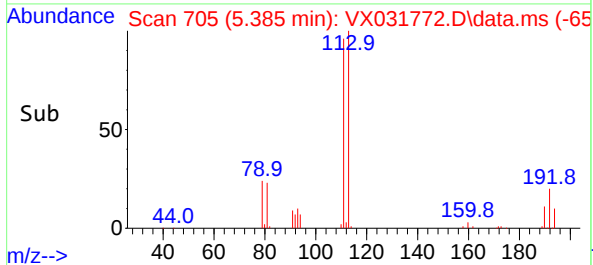
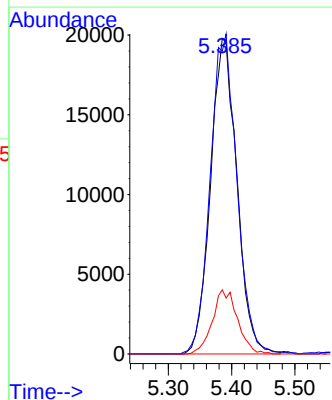
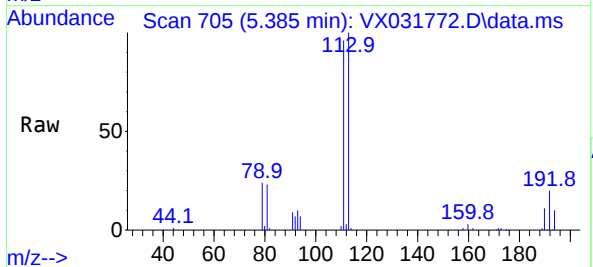
Instrument :
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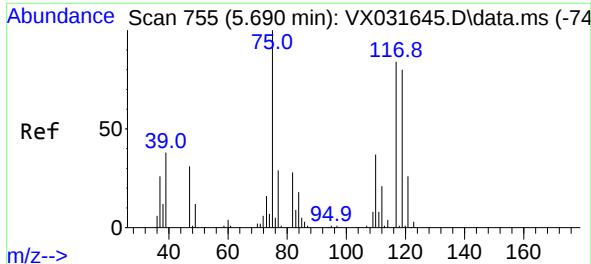
Tgt Ion:114 Resp: 110683
Ion Ratio Lower Upper
114 100
63 18.3 0.0 42.6
88 14.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 43.280 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion:113 Resp: 57078
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 19.4 14.1 21.1

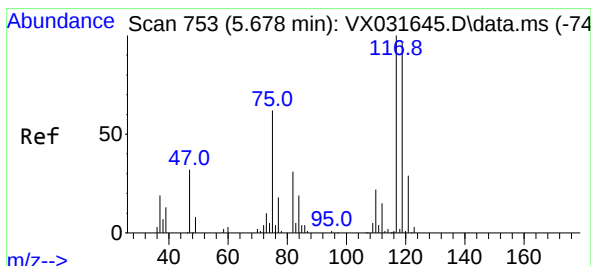
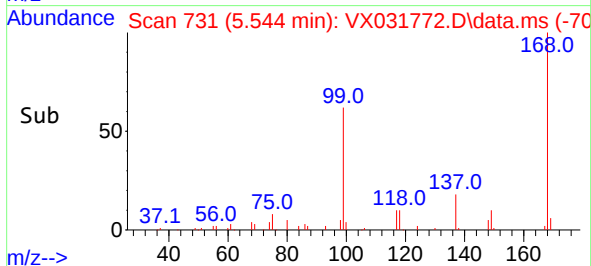
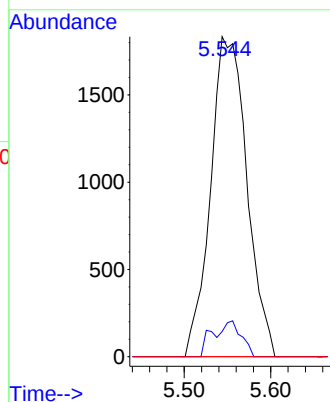
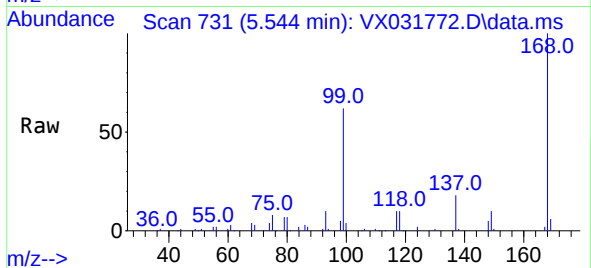




#36
1,1-Dichloropropene
Concen: 3.524 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

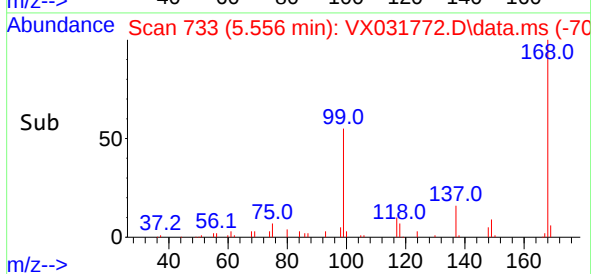
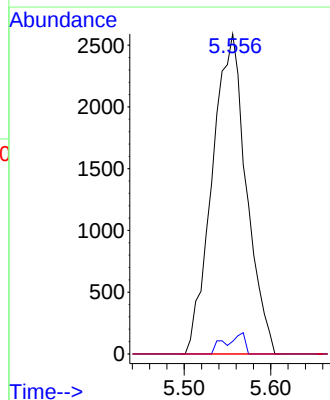
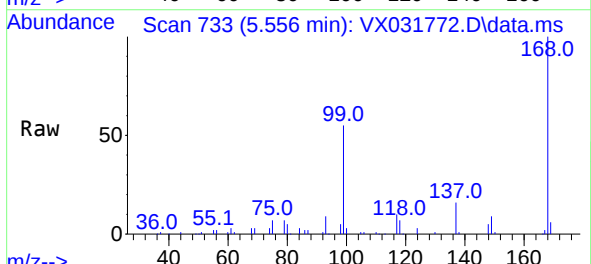
Instrument :
MSVOA_X
ClientSampleId :
MW-03

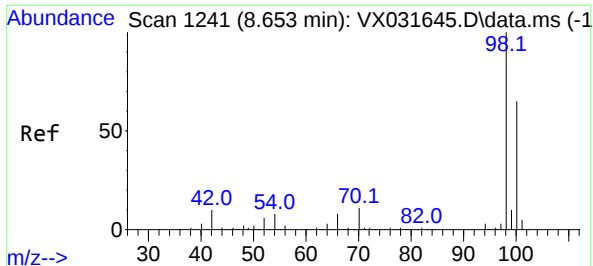
Tgt Ion: 75 Resp: 5338
Ion Ratio Lower Upper
75 100
110 5.8 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.163 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 117 Resp: 7105
Ion Ratio Lower Upper
117 100
119 3.9 74.6 112.0#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 41.930 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031772.D

Acq: 29 Sep 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

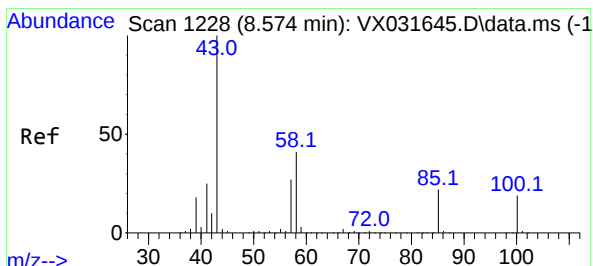
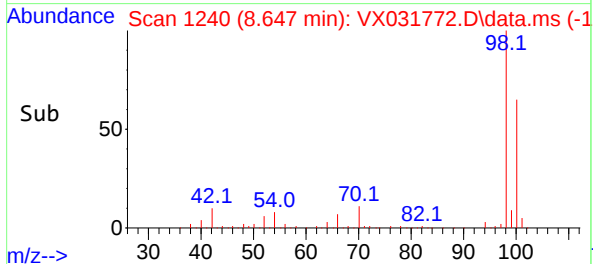
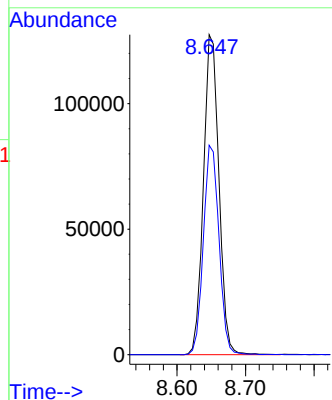
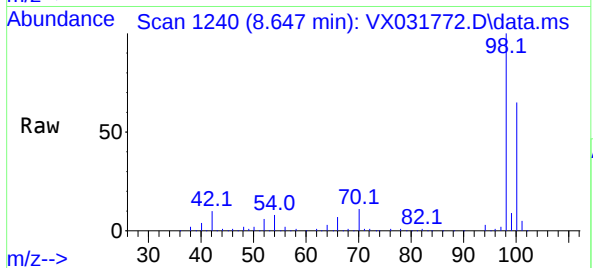
MW-03

Tgt Ion: 98 Resp: 200477

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.545 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031772.D

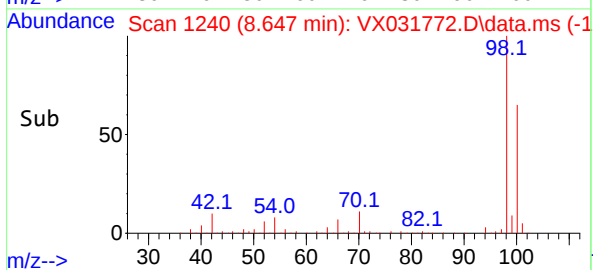
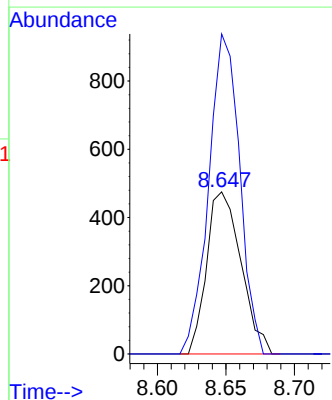
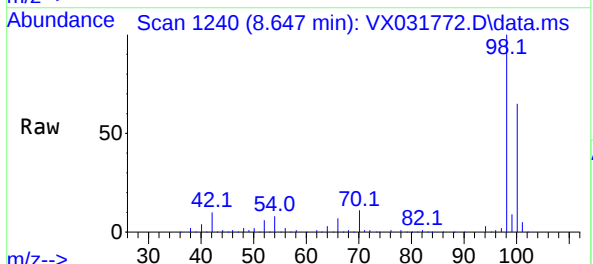
Acq: 29 Sep 2022 14:46

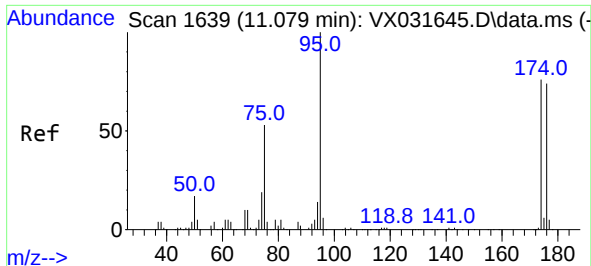
Tgt Ion: 43 Resp: 830

Ion Ratio Lower Upper

43 100

58 178.0 30.6 46.0#

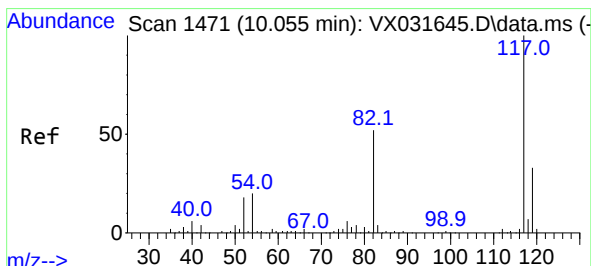
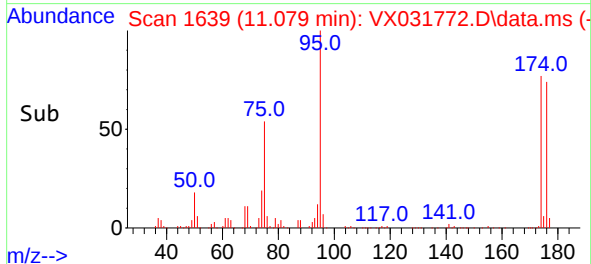
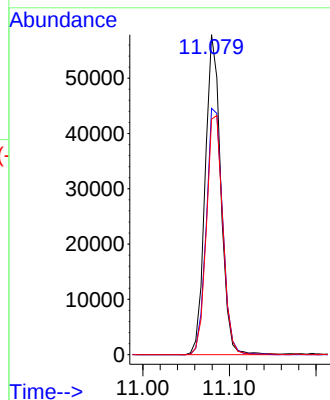
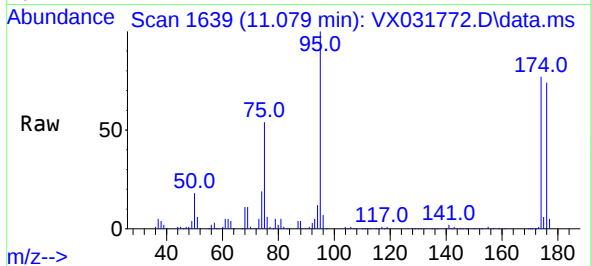




#62
4-Bromofluorobenzene
Concen: 41.265 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

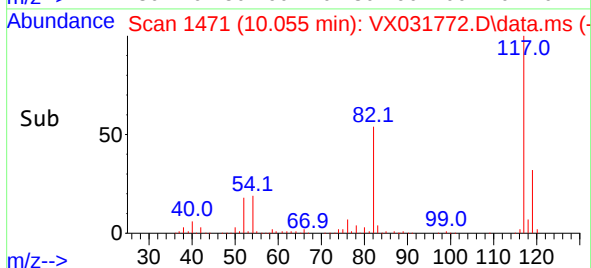
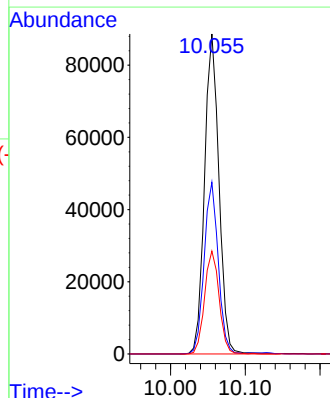
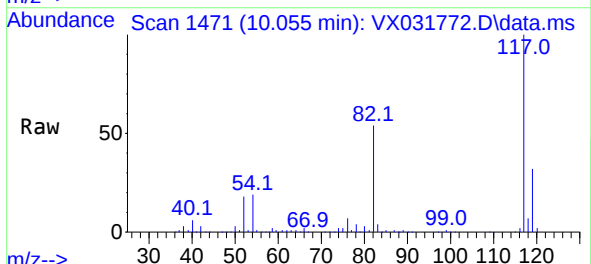
Instrument :
MSVOA_X
ClientSampleId :
MW-03

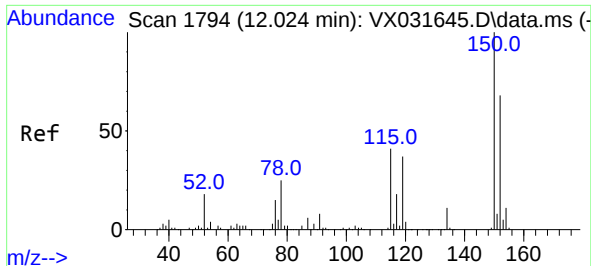
Tgt Ion: 95 Resp: 72313
Ion Ratio Lower Upper
95 100
174 80.9 0.0 153.2
176 78.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 117 Resp: 118703
Ion Ratio Lower Upper
117 100
82 53.7 46.8 70.2
119 32.1 26.4 39.6

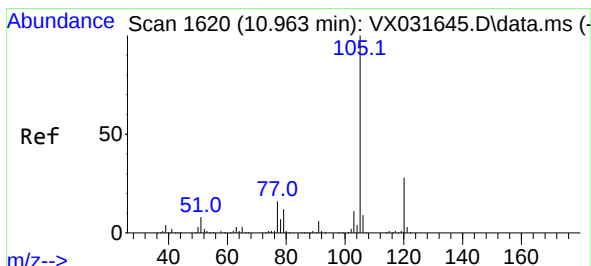
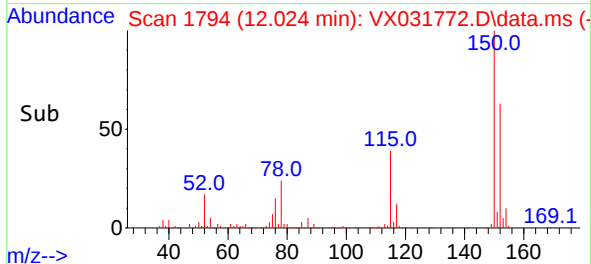
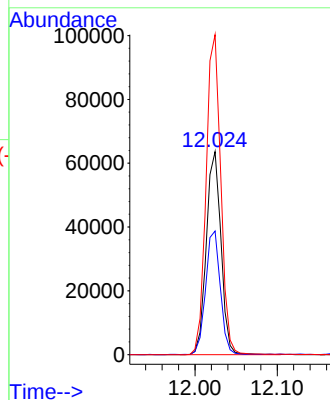
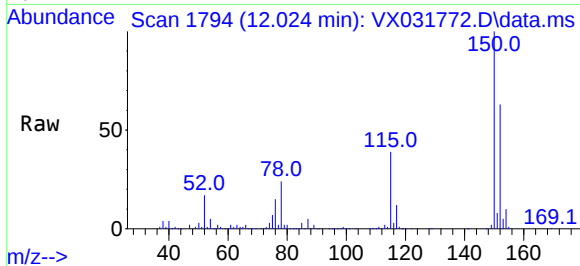




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

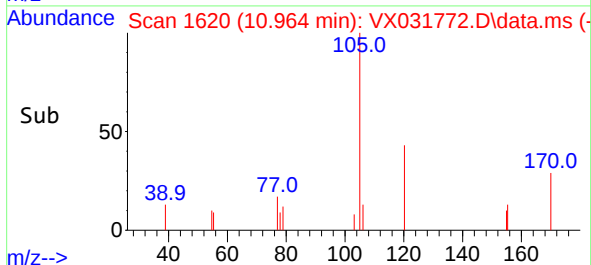
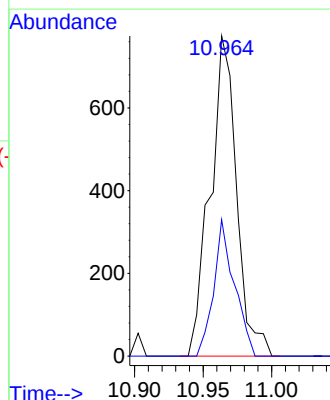
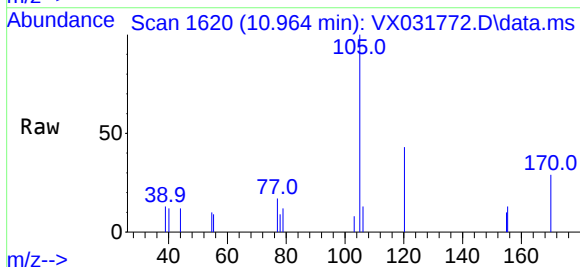
Instrument :
MSVOA_X
ClientSampleId :
MW-03

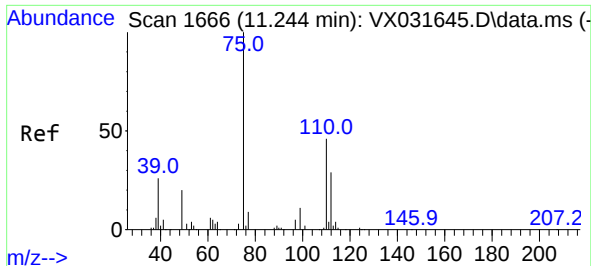
Tgt Ion:152 Resp: 78876
Ion Ratio Lower Upper
152 100
115 60.8 43.4 130.1
150 157.6 0.0 346.8



#73
Isopropylbenzene
Concen: 0.203 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion:105 Resp: 1036
Ion Ratio Lower Upper
105 100
120 33.3 13.7 41.0

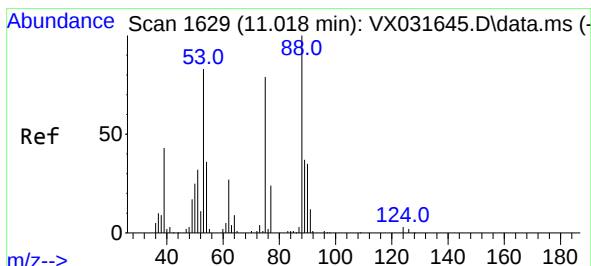
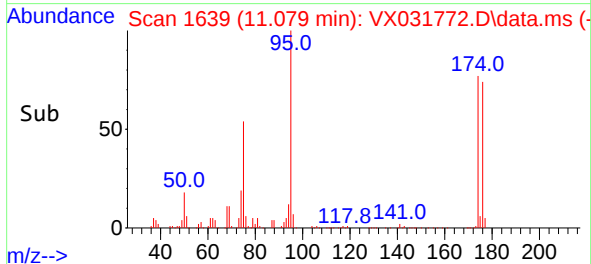
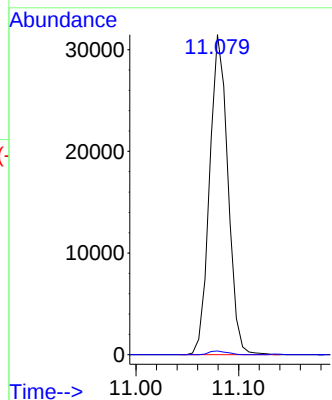
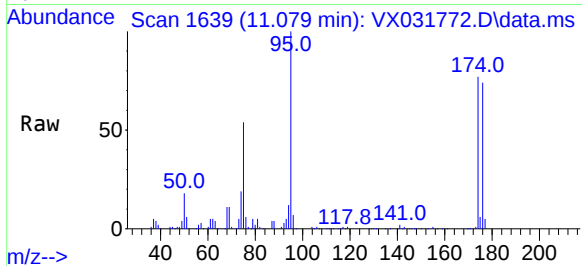




#76
1,2,3-Trichloropropane
Concen: 27.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

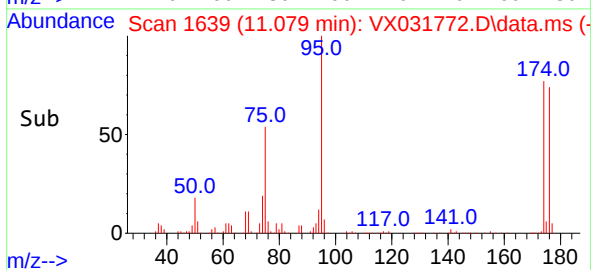
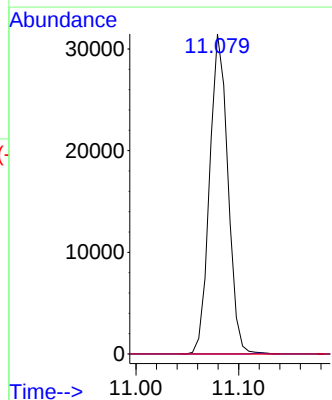
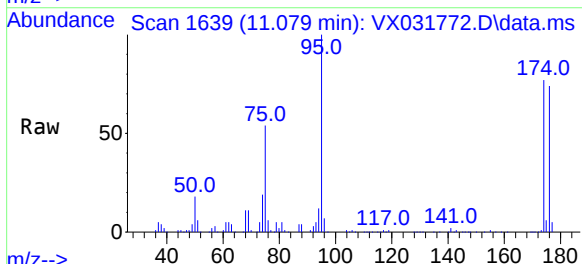
Instrument :
MSVOA_X
ClientSampleId :
MW-03

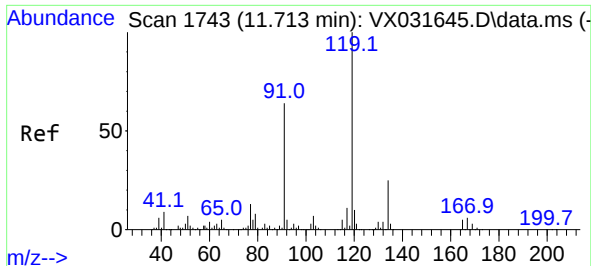
Tgt Ion: 75 Resp: 38893
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.936 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion: 75 Resp: 38893
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

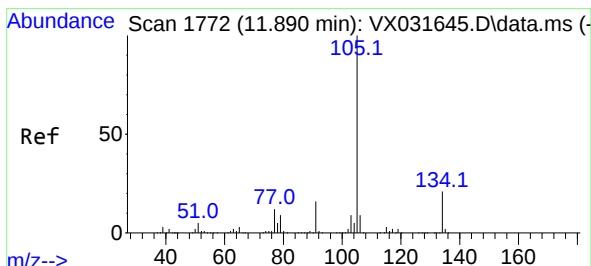
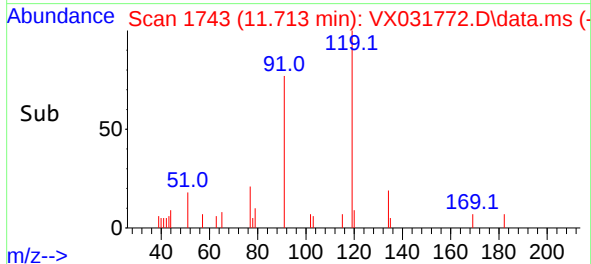
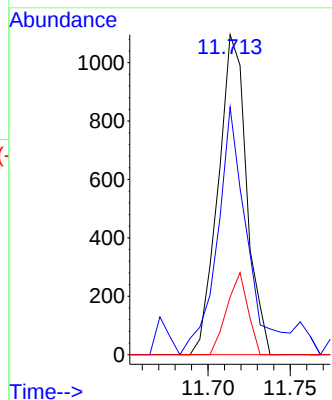
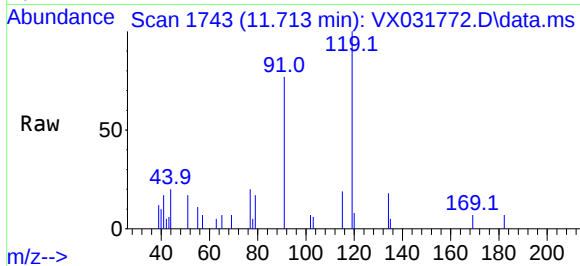




#83
tert-Butylbenzene
Concen: 0.316 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

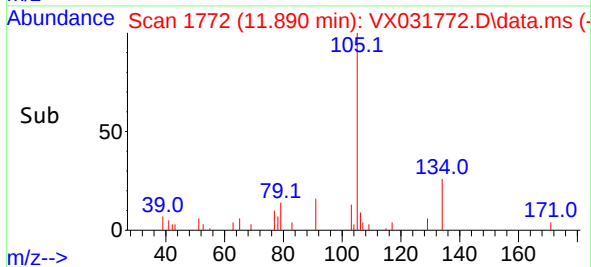
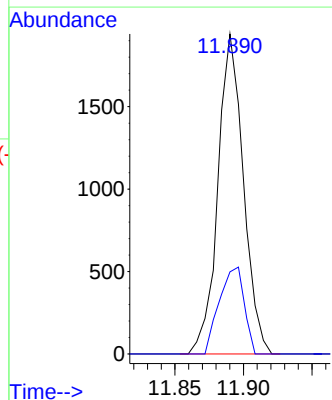
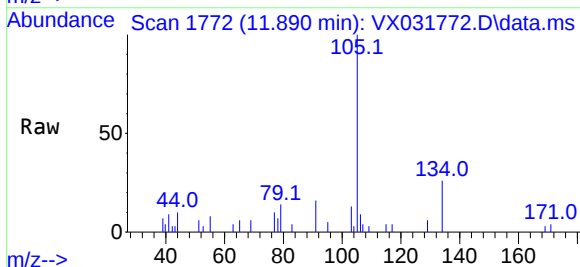
Instrument :
MSVOA_X
ClientSampleId :
MW-03

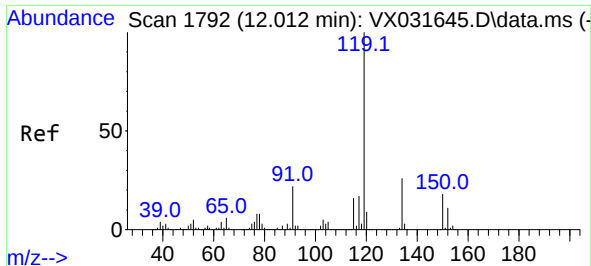
Tgt Ion:	119	Resp:	1319
Ion	Ratio	Lower	Upper
119	100		
91	81.1	29.2	87.6
134	19.0	11.6	34.8



#85
sec-Butylbenzene
Concen: 0.474 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion:	105	Resp:	2512
Ion	Ratio	Lower	Upper
105	100		
134	26.4	10.4	31.1

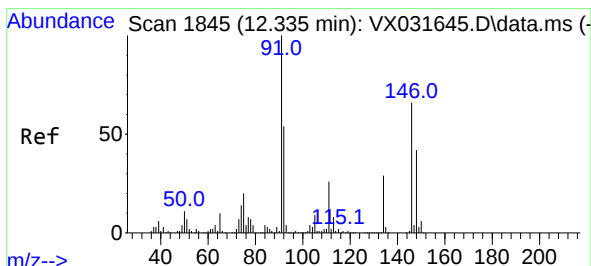
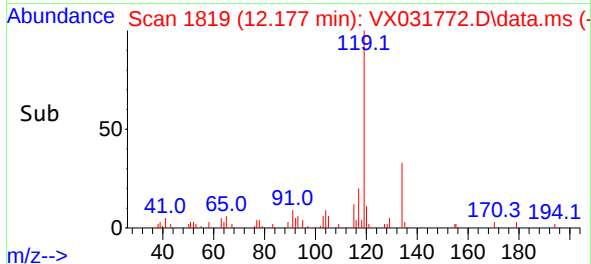
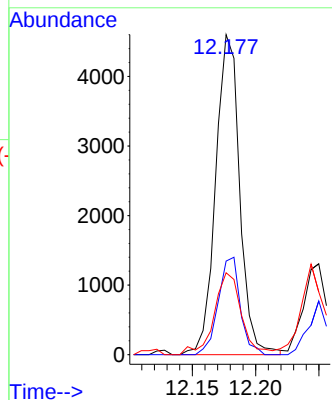
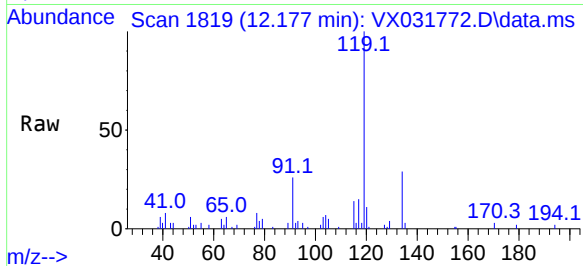




#86
p-Isopropyltoluene
Concen: 1.330 ug/l
RT: 12.177 min Scan# 119
Delta R.T. 0.165 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

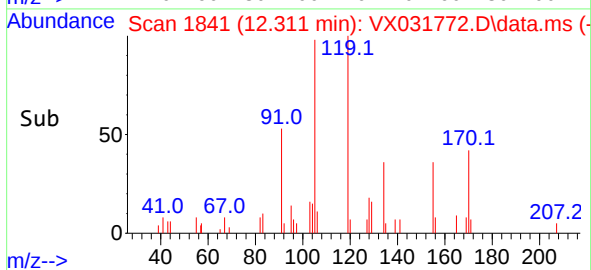
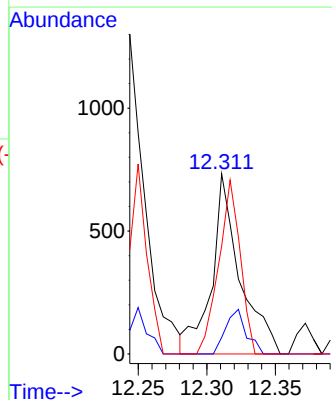
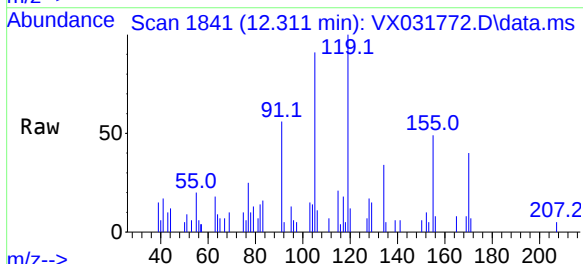
Instrument :
MSVOA_X
ClientSampleId :
MW-03

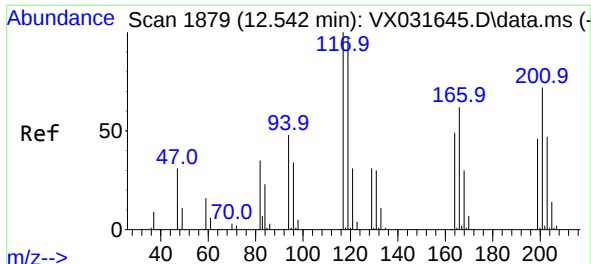
Tgt Ion:	119	Resp:	6078
Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.4	40.2
91	28.8	12.4	37.2



#89
n-Butylbenzene
Concen: 0.280 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.024 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

Tgt Ion:	91	Resp:	1047
Ion	Ratio	Lower	Upper
91	100		
92	18.1	27.0	81.0#
134	73.5	13.3	39.9#

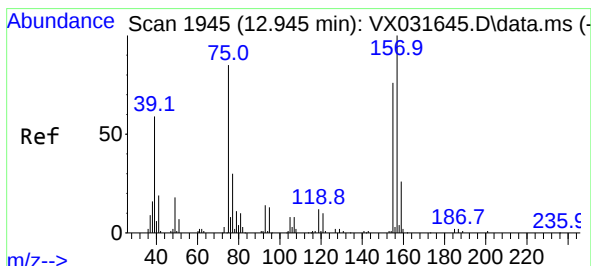
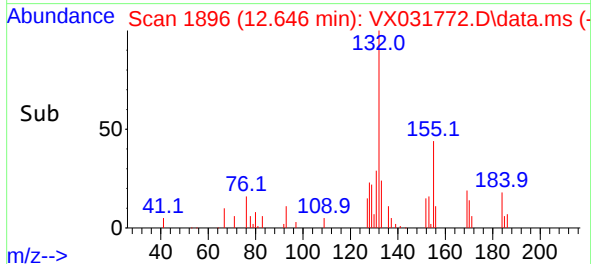
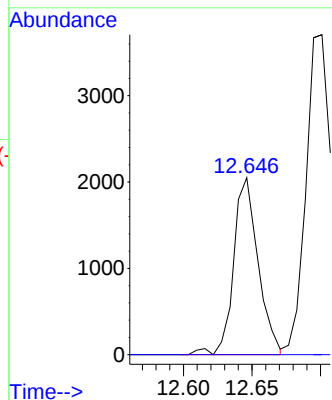
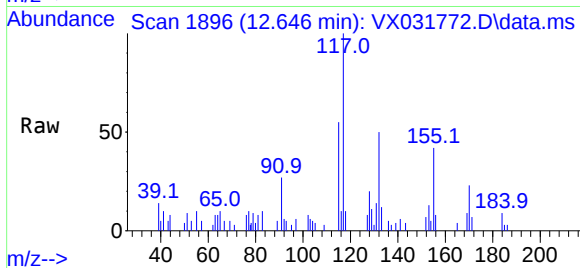




#90
Hexachloroethane
Concen: 3.484 ug/l
RT: 12.646 min Scan# 117
Delta R.T. 0.104 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

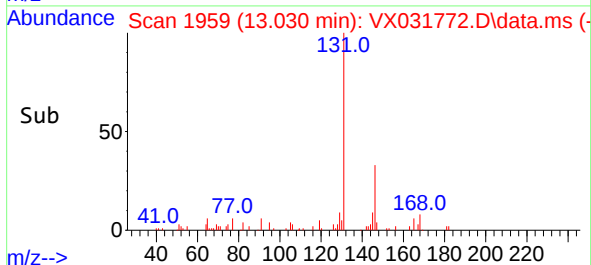
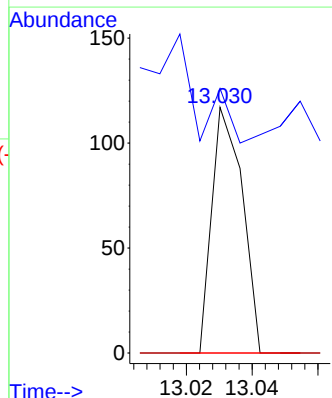
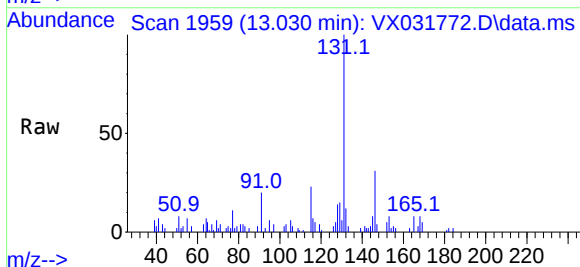
Instrument :
MSVOA_X
ClientSampleId :
MW-03

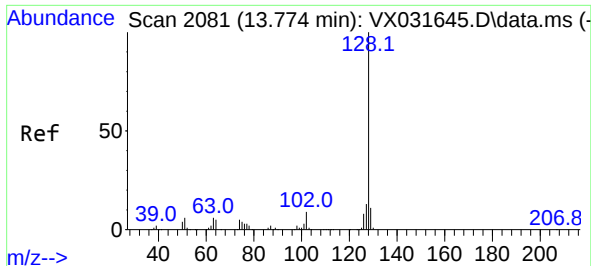
Tgt Ion:117 Resp: 2553
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.231 ug/l
RT: 13.030 min Scan# 1959
Delta R.T. 0.085 min
Lab File: VX031772.D
Acq: 29 Sep 2022 14:46

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





#95

Naphthalene

Concen: 0.267 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX031772.D

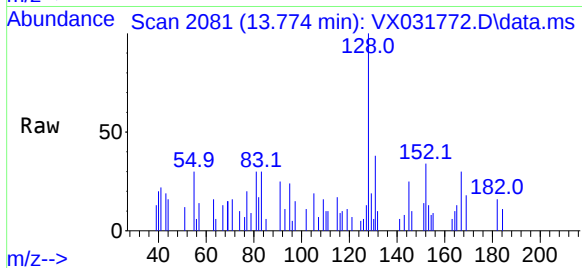
Acq: 29 Sep 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

MW-03



Tgt Ion:128 Resp: 1315

Ion Ratio Lower Upper

128 100

127 24.6 10.4 15.6#

129 37.7 8.8 13.2#

