

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030750.D
 Acq On : 23 Aug 2022 22:44
 Operator : JC/MD
 Sample : N4245-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20220816DL

Quant Time: Sep 06 03:02:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

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

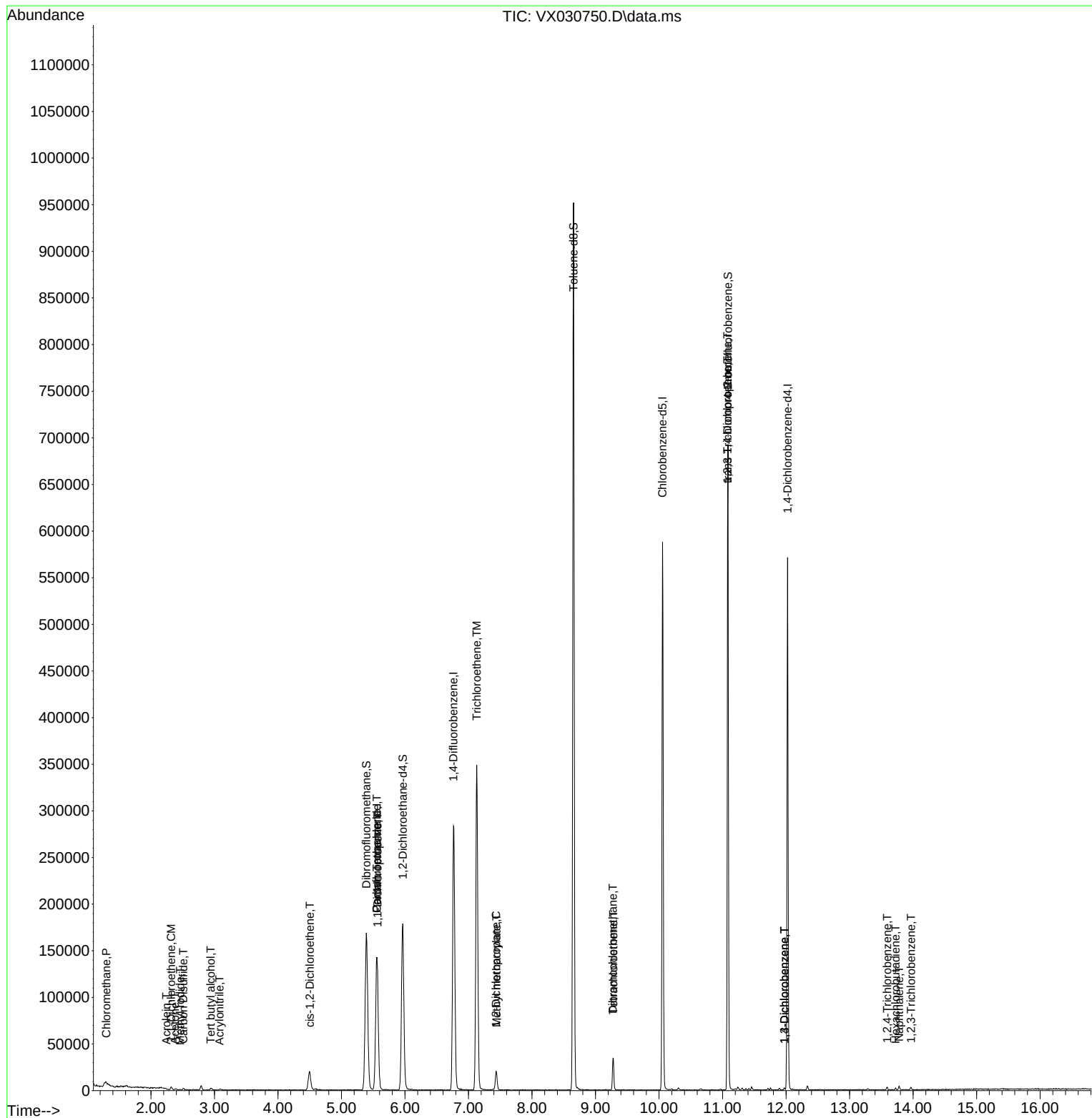
Internal Standards						
1) Pentafluorobenzene	5.556	168	136209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	306499	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	163260	59.634	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.260%
35) Dibromofluoromethane	5.391	113	154266	52.651	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.300%
50) Toluene-d8	8.653	98	568483	50.101	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.200%
62) 4-Bromofluorobenzene	11.085	95	195554	46.438	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.880%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	634	0.287	ug/l #	84
5) Bromomethane	1.618	94	364	Below Cal		84
10) Methyl Iodide	2.459	142	639	1.817	ug/l #	78
11) Tert butyl alcohol	2.941	59	1055	1.580	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	967	0.454	ug/l #	77
13) Acrolein	2.239	56	41	0.250	ug/l #	14
15) Acrylonitrile	3.081	53	468	0.284	ug/l #	67
16) Acetone	2.380	43	982	0.701	ug/l #	74
17) Carbon Disulfide	2.508	76	1976	0.344	ug/l	99
20) Methylene Chloride	2.788	84	2128	Below Cal	#	75
27) cis-1,2-Dichloroethene	4.501	96	13558	4.909	ug/l	91
36) 1,1-Dichloropropene	5.568	75	10972	2.602	ug/l #	47
38) Carbon Tetrachloride	5.556	117	13827	3.513	ug/l #	17
44) Trichloroethene	7.129	130	136628	37.690	ug/l	98
45) 1,2-Dichloropropane	7.434	63	8906	2.517	ug/l	99
48) Methyl methacrylate	7.440	41	4159	0.965	ug/l #	40
60) Dibromochloromethane	9.275	129	7076	2.218	ug/l #	11
64) Tetrachloroethene	9.281	164	6748	2.238	ug/l #	86
67) Ethyl Benzene	10.201	91	710	Below Cal	#	85
76) 1,2,3-Trichloropropane	11.079	75	90601	30.762	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	90601	92.285	ug/l #	12
87) 1,3-Dichlorobenzene	11.975	146	813	0.204	ug/l	97
88) 1,4-Dichlorobenzene	11.975	146	813	0.201	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	799	0.353	ug/l	96
94) Hexachlorobutadiene	13.725	225	341	0.375	ug/l	97
95) Naphthalene	13.780	128	2663	0.301	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.969	180	792	0.341	ug/l	91

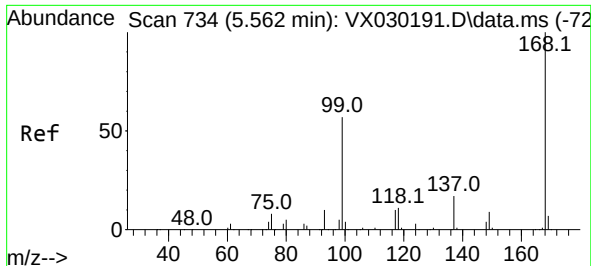
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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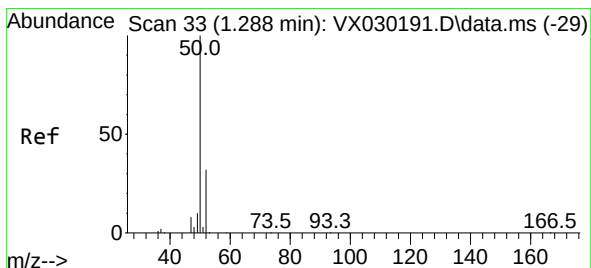
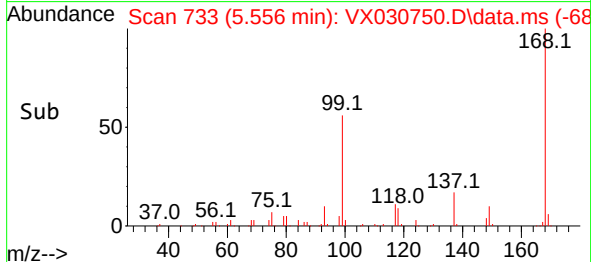
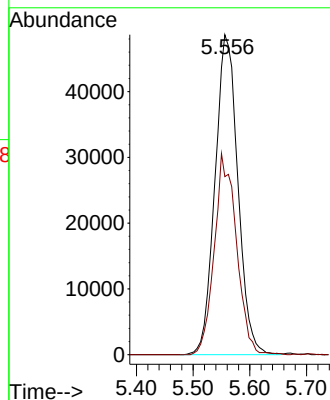
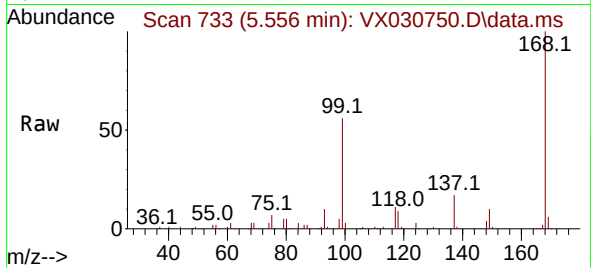




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

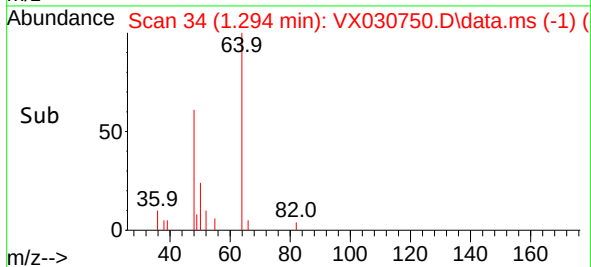
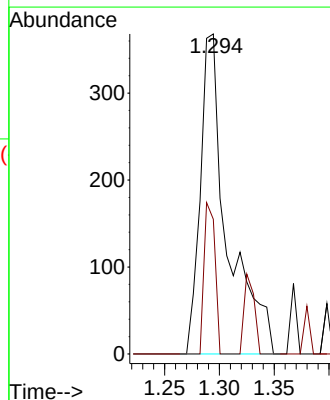
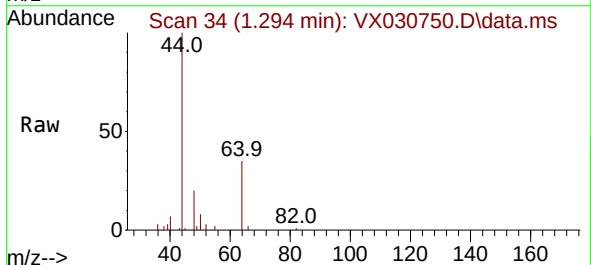
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

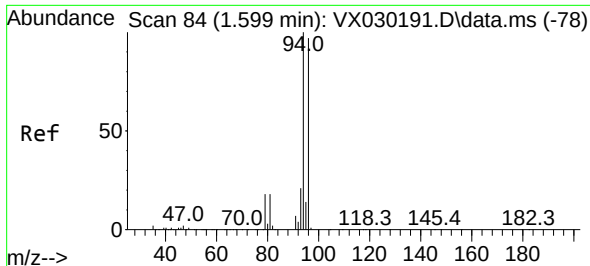
Tgt Ion:168 Resp: 136209
Ion Ratio Lower Upper
168 100
99 55.6 44.0 66.0



#3
Chloromethane
Concen: 0.287 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion: 50 Resp: 634
Ion Ratio Lower Upper
50 100
52 42.1 26.3 39.5

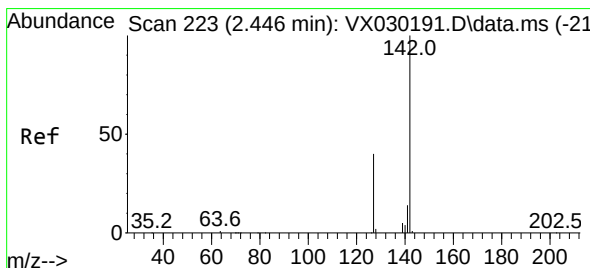
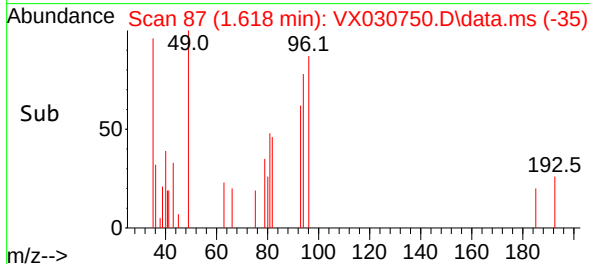
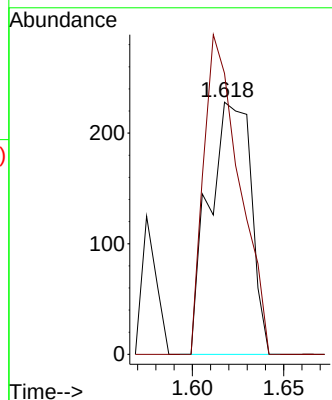
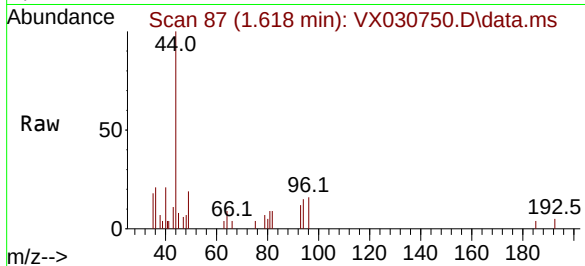




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

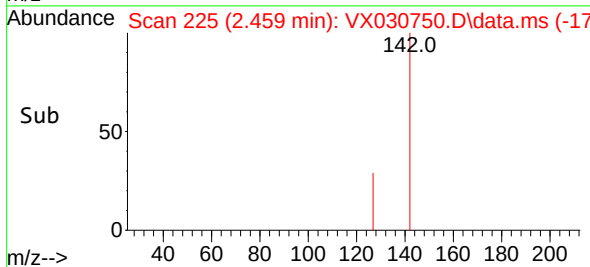
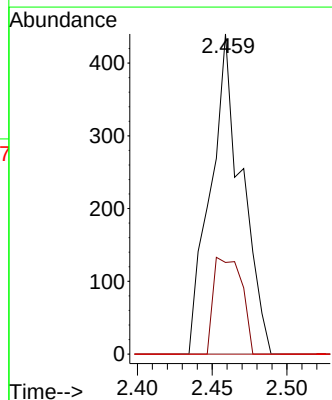
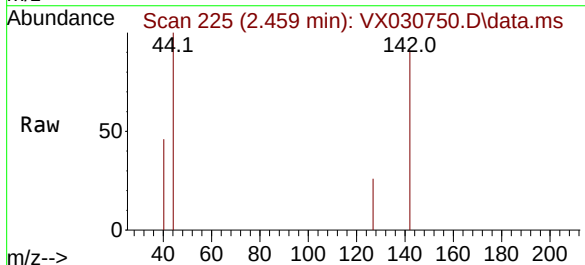
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

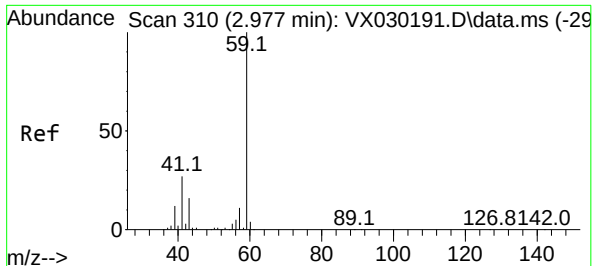
Tgt Ion: 94 Resp: 364
Ion Ratio Lower Upper
94 100
96 111.4 76.9 115.3



#10
Methyl Iodide
Concen: 1.817 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.013 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion: 142 Resp: 639
Ion Ratio Lower Upper
142 100
127 27.2 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.580 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.036 min

Lab File: VX030750.D

Acq: 23 Aug 2022 22:44

Instrument :

MSVOA_X

ClientSampleId :

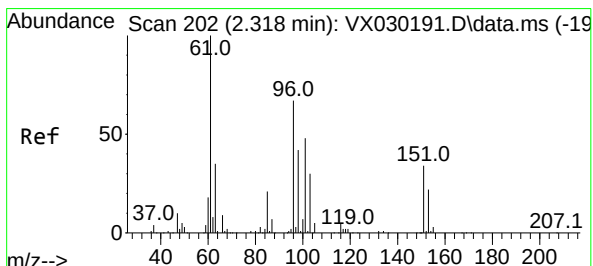
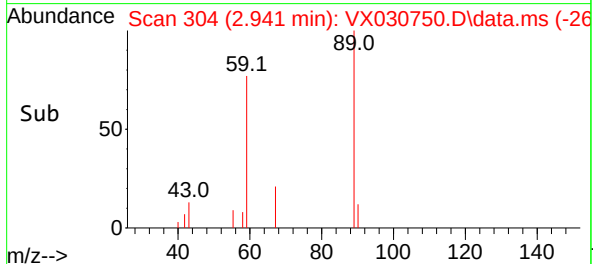
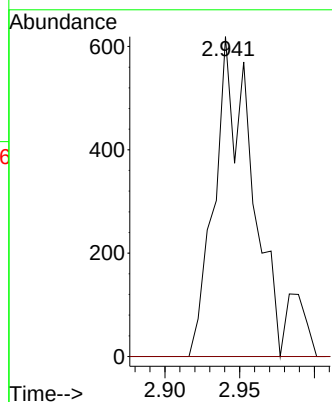
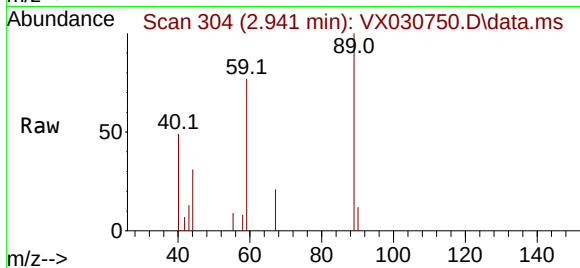
MW17811-20220816DL

Tgt Ion: 59 Resp: 1055

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.454 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.001 min

Lab File: VX030750.D

Acq: 23 Aug 2022 22:44

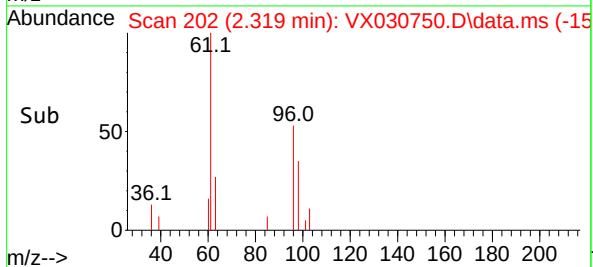
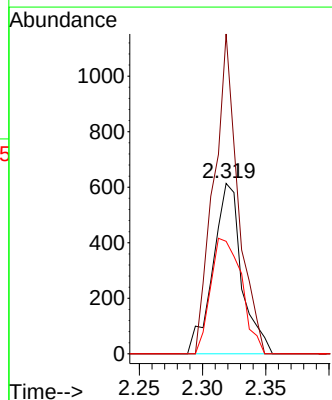
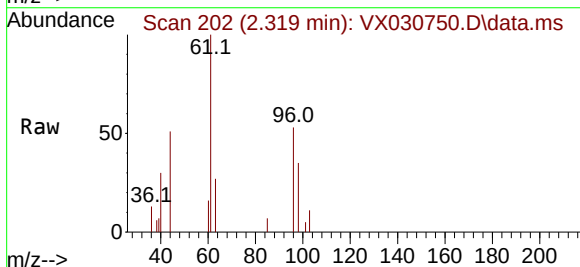
Tgt Ion: 96 Resp: 967

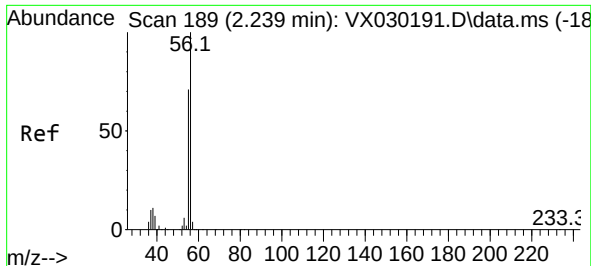
Ion Ratio Lower Upper

96 100

61 187.6 117.4 176.0#

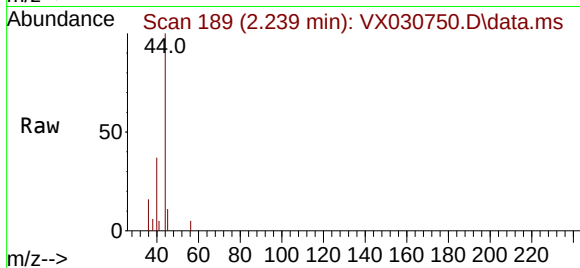
98 66.0 52.2 78.4



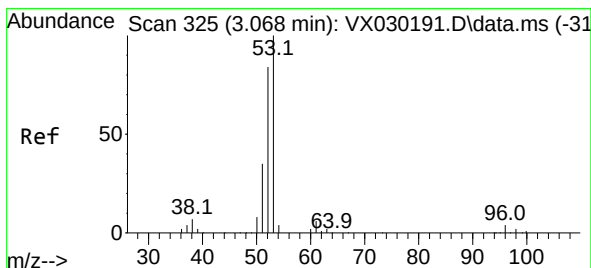
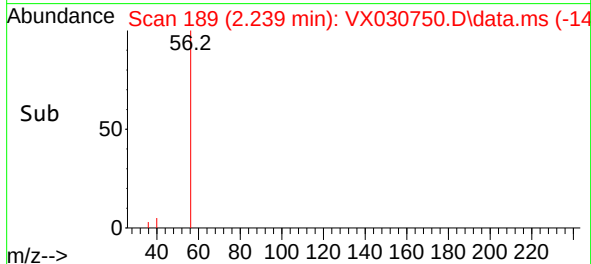
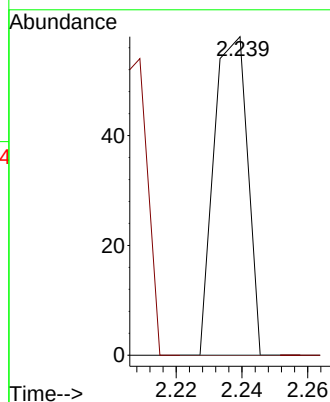


#13
Acrolein
Concen: 0.250 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

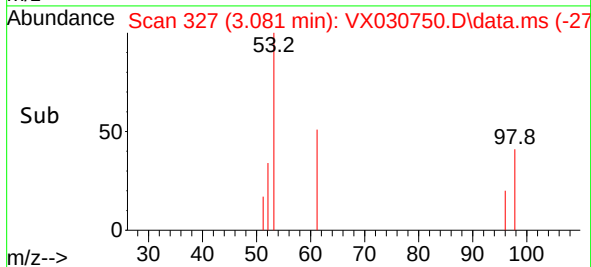
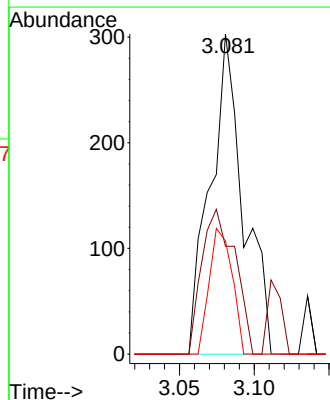
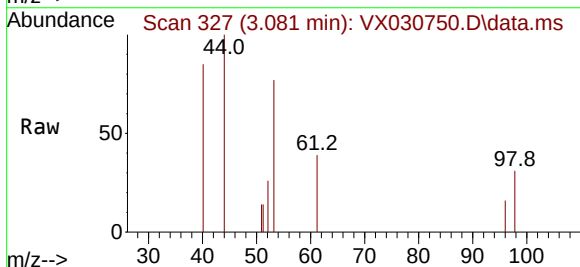


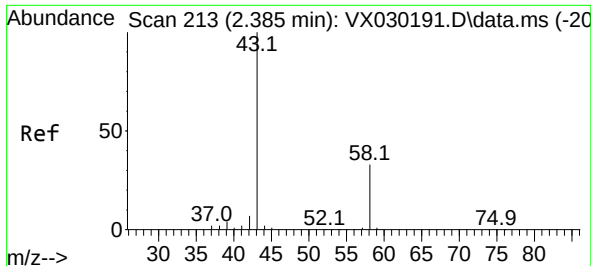
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#15
Acrylonitrile
Concen: 0.284 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.013 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion: 53 Resp: 468
Ion Ratio Lower Upper
53 100
52 45.1 65.4 98.0#
51 26.9 27.7 41.5#

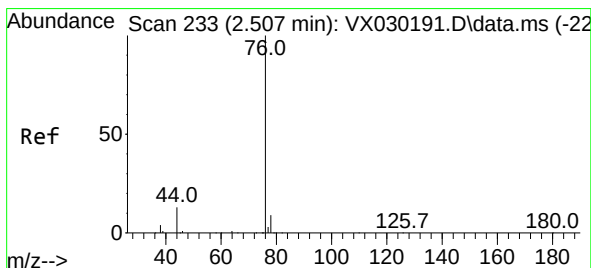
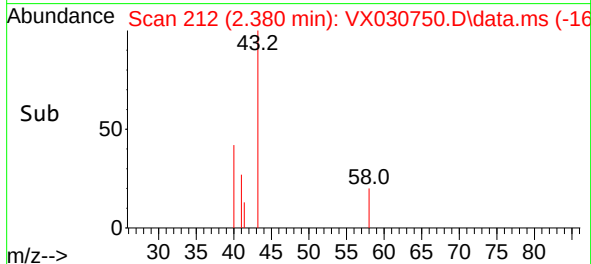
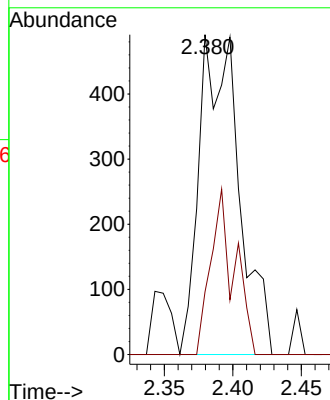
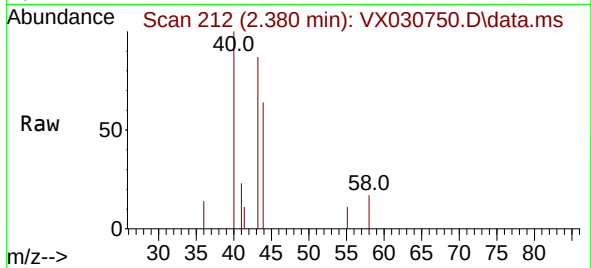




#16
Acetone
Concen: 0.701 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

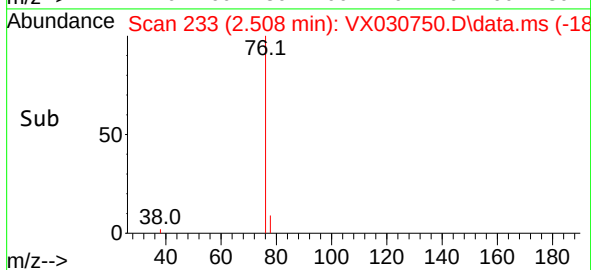
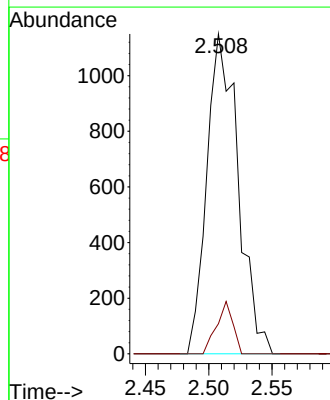
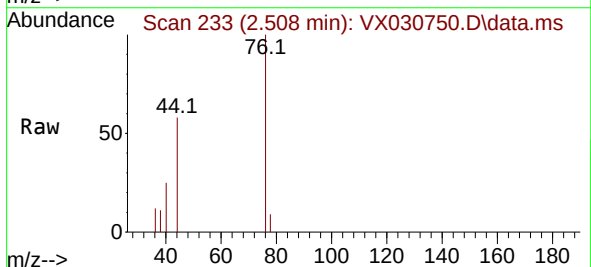
Instrument :
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ClientSampleId :
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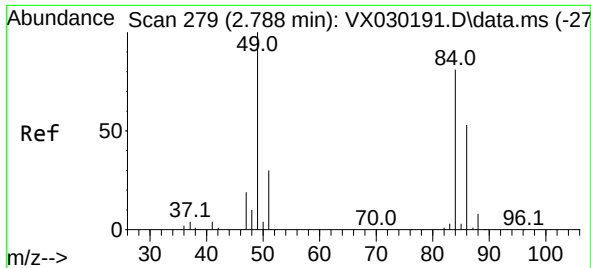
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 19.6 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.344 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion: 76 Resp: 1976
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.6

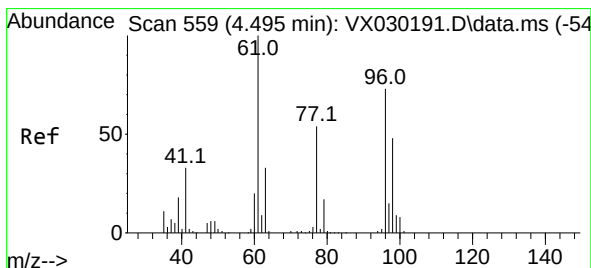
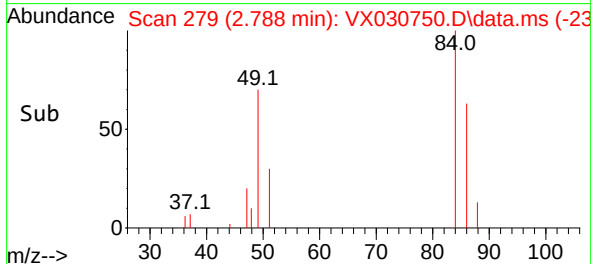
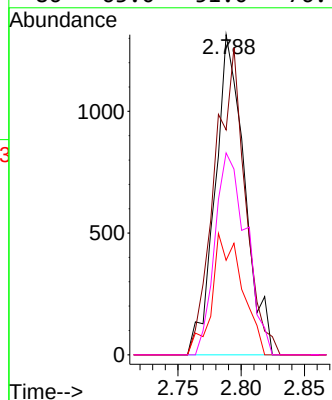
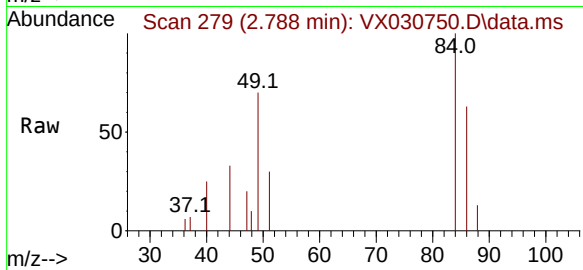




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

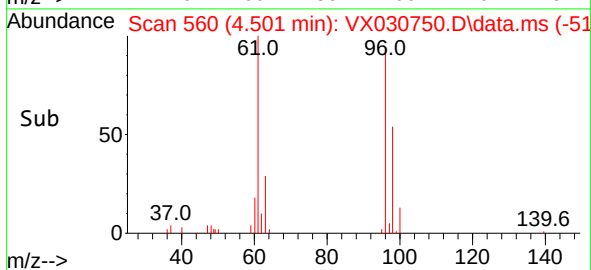
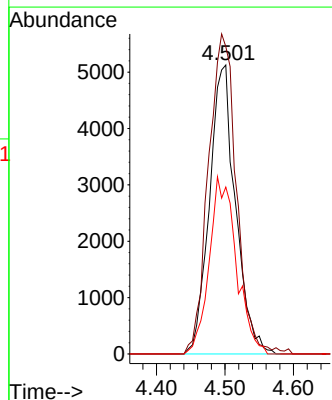
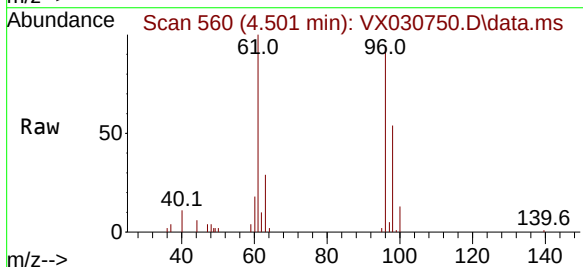
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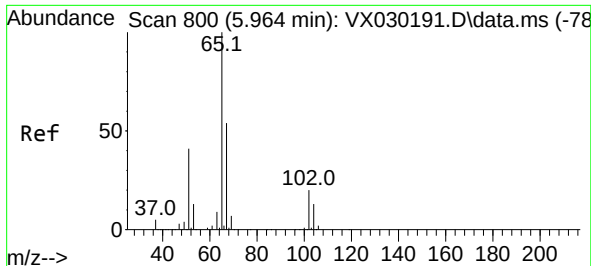
Tgt Ion:	84	Resp:	2128
Ion	Ratio	Lower	Upper
84	100		
49	70.3	93.8	140.6#
51	29.5	29.4	44.0
86	63.0	51.0	76.4



#27
cis-1,2-Dichloroethene
Concen: 4.909 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion:	96	Resp:	13558
Ion	Ratio	Lower	Upper
96	100		
61	118.7	0.0	270.0
98	63.5	0.0	127.8





#33

1,2-Dichloroethane-d4

Concen: 59.634 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030750.D

Acq: 23 Aug 2022 22:44

Instrument :

MSVOA_X

ClientSampleId :

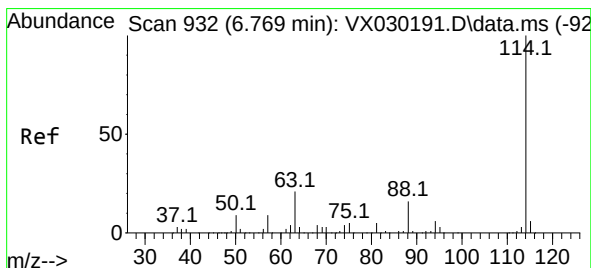
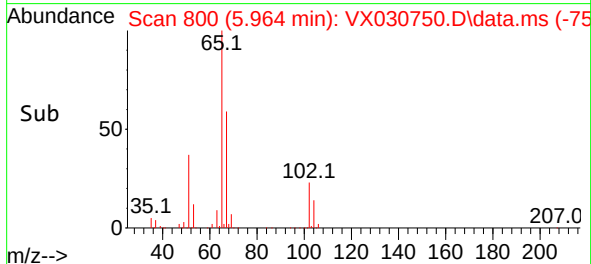
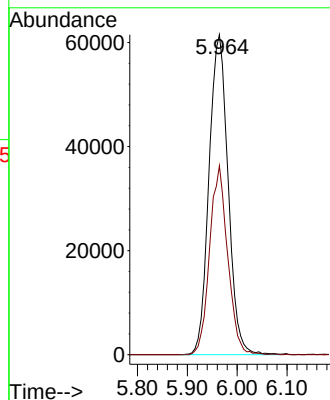
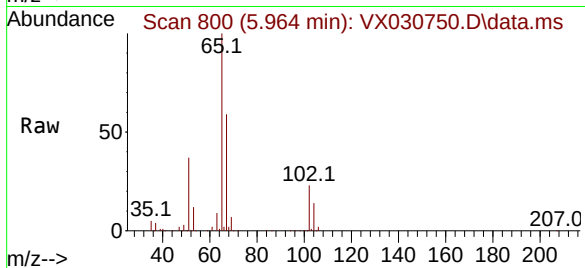
MW17811-20220816DL

Tgt Ion: 65 Resp: 163260

Ion Ratio Lower Upper

65 100

67 56.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030750.D

Acq: 23 Aug 2022 22:44

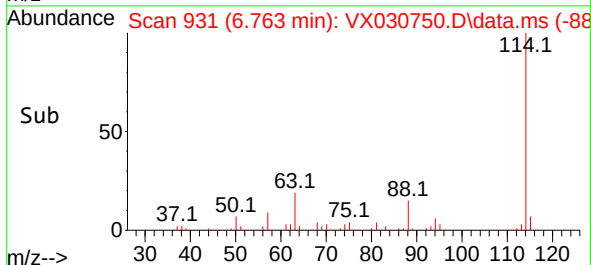
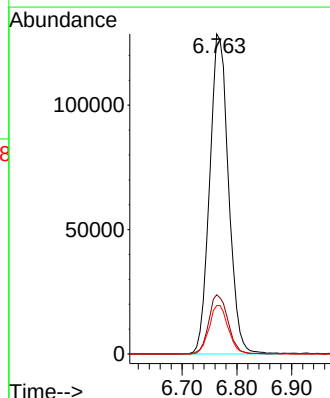
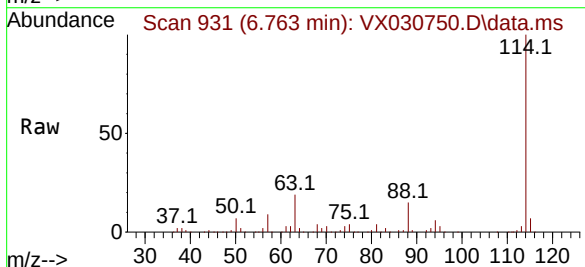
Tgt Ion: 114 Resp: 306499

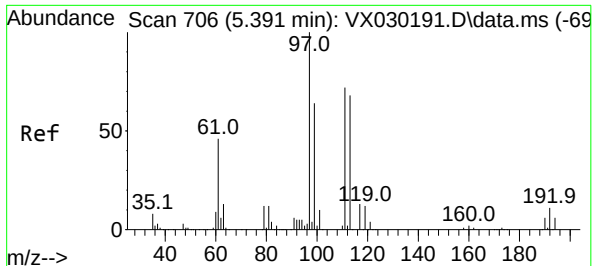
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.651 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030750.D

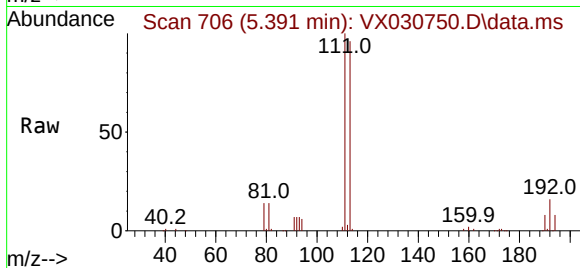
Acq: 23 Aug 2022 22:44

Instrument :

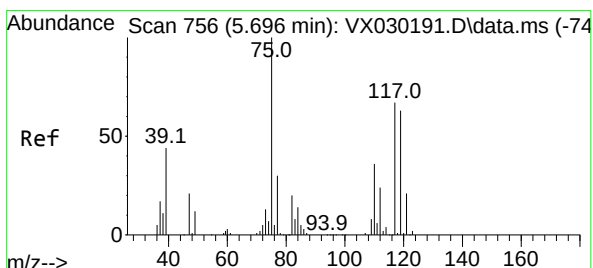
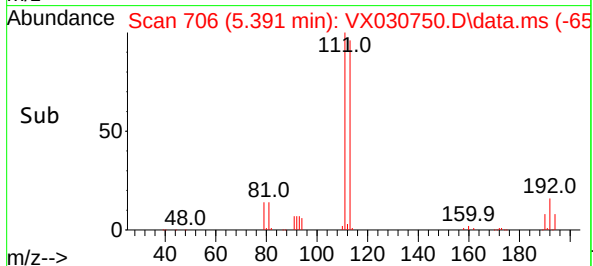
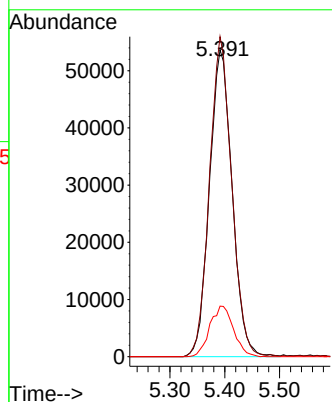
MSVOA_X

ClientSampleId :

MW17811-20220816DL



Tgt Ion:	113	Resp:	154266
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.2	124.8
192	17.2	14.8	22.2



#36

1,1-Dichloropropene

Concen: 2.602 ug/l

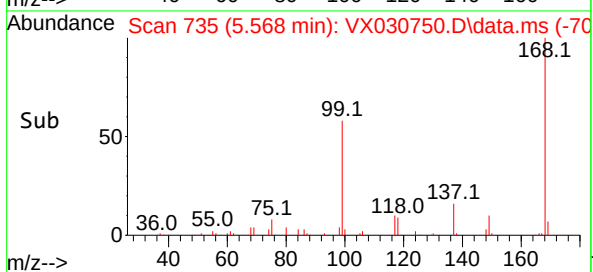
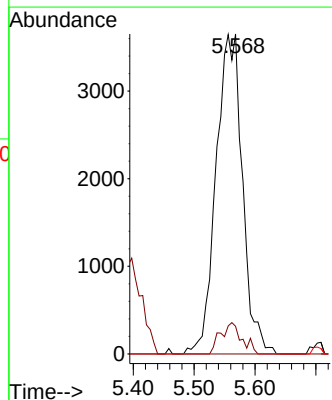
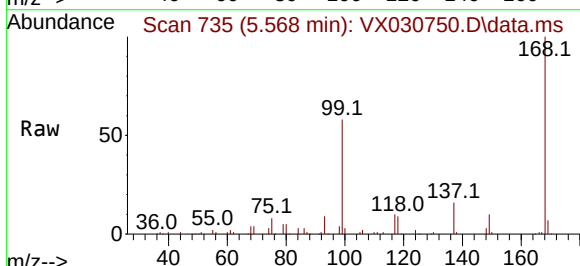
RT: 5.568 min Scan# 735

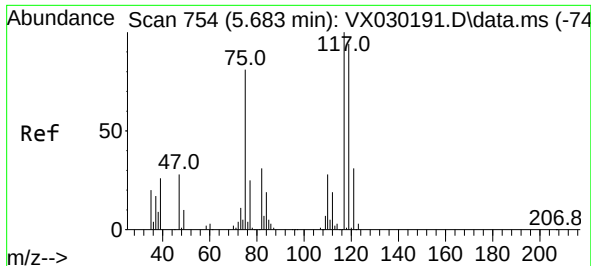
Delta R.T. -0.128 min

Lab File: VX030750.D

Acq: 23 Aug 2022 22:44

Tgt Ion:	75	Resp:	10972
Ion	Ratio	Lower	Upper
75	100		
110	7.9	19.3	57.9#
77	0.0	24.4	36.6#

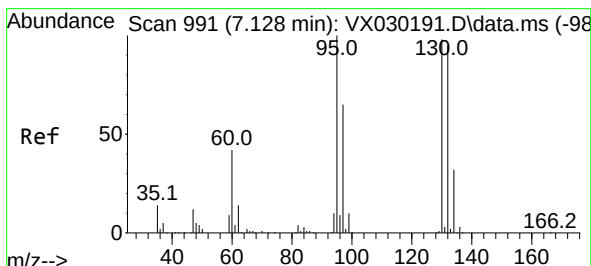
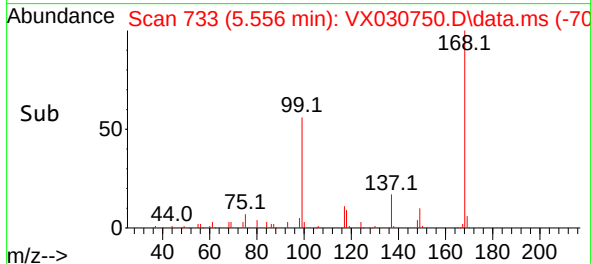
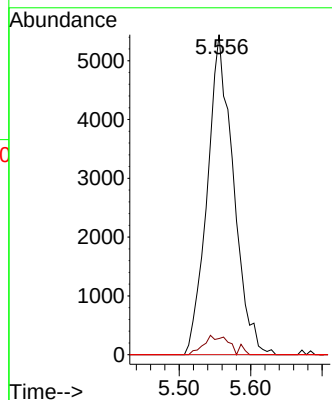
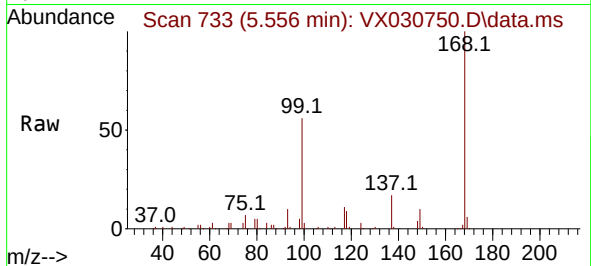




#38
Carbon Tetrachloride
Concen: 3.513 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.127 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

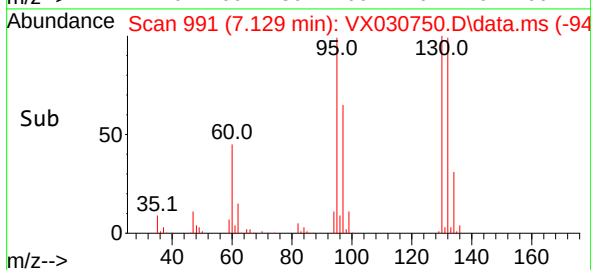
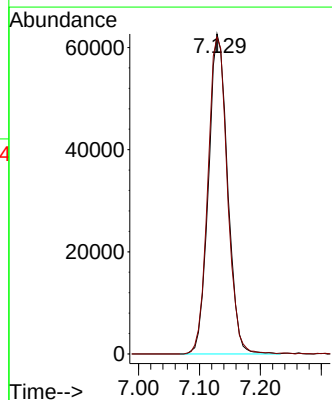
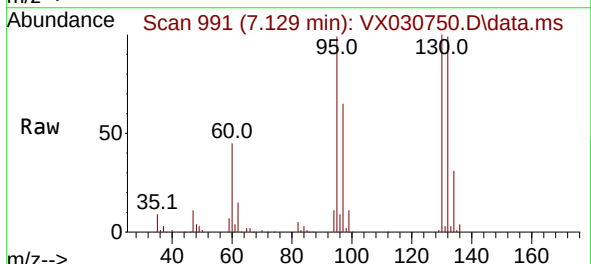
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

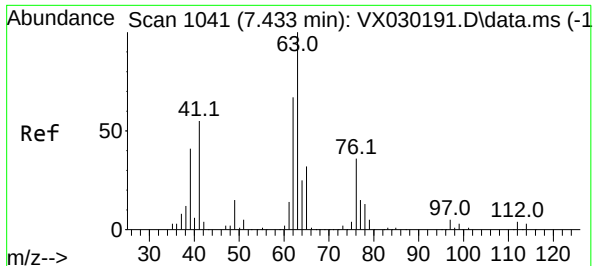
Tgt Ion:117 Resp: 13827
Ion Ratio Lower Upper
117 100
119 5.1 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 37.690 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.001 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion:130 Resp: 136628
Ion Ratio Lower Upper
130 100
95 99.0 0.0 194.8





#45

1,2-Dichloropropane

Concen: 2.517 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.001 min

Lab File: VX030750.D

Acq: 23 Aug 2022 22:44

Instrument :

MSVOA_X

ClientSampleId :

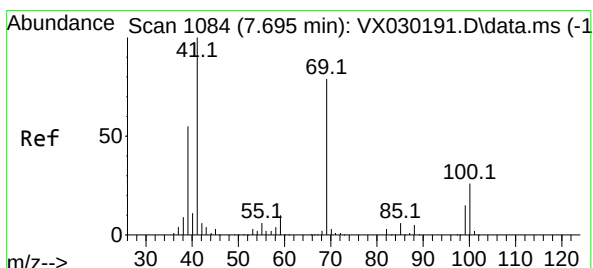
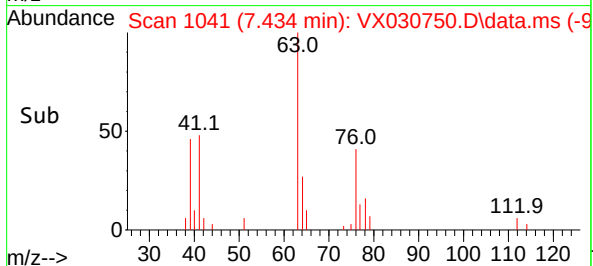
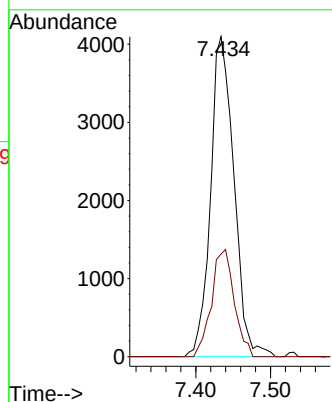
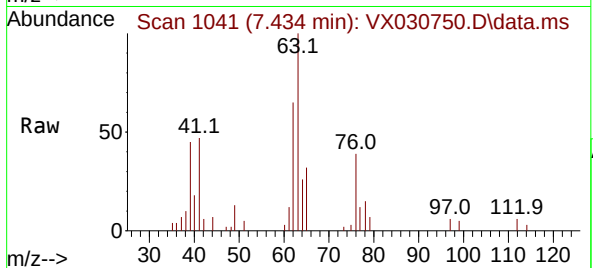
MW17811-20220816DL

Tgt Ion: 63 Resp: 8906

Ion Ratio Lower Upper

63 100

65 32.0 25.2 37.8



#48

Methyl methacrylate

Concen: 0.965 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. -0.255 min

Lab File: VX030750.D

Acq: 23 Aug 2022 22:44

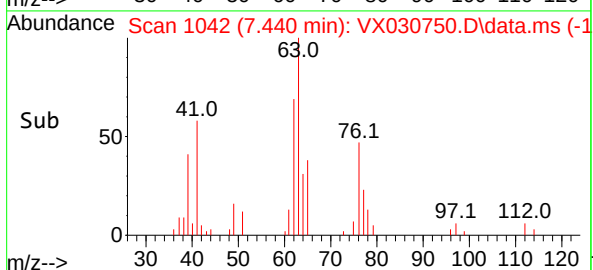
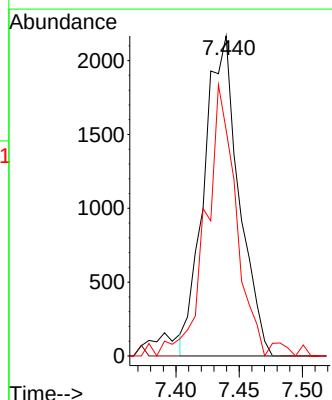
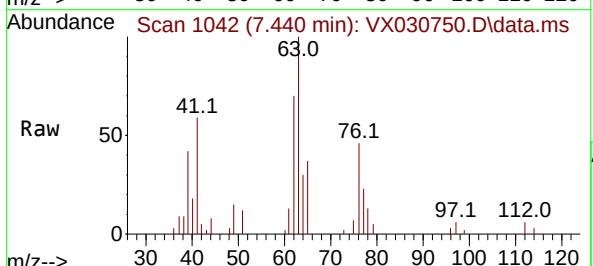
Tgt Ion: 41 Resp: 4159

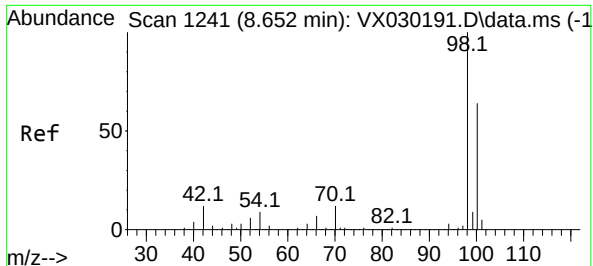
Ion Ratio Lower Upper

41 100

69 0.0 68.8 103.2#

39 61.9 44.6 66.8

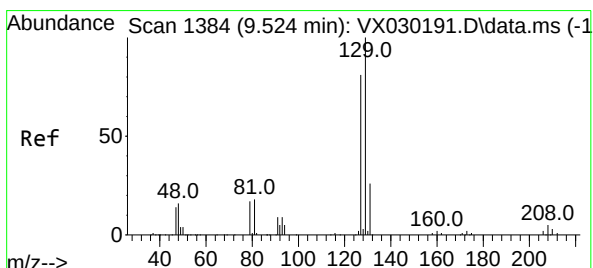
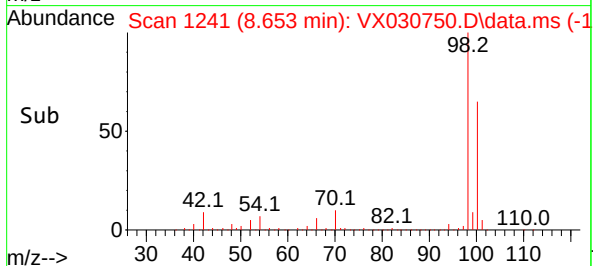
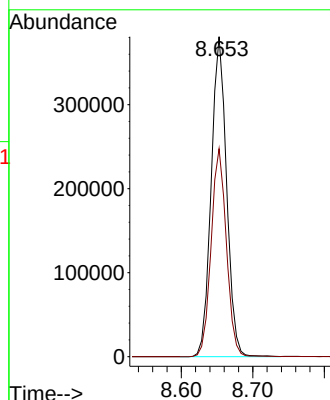
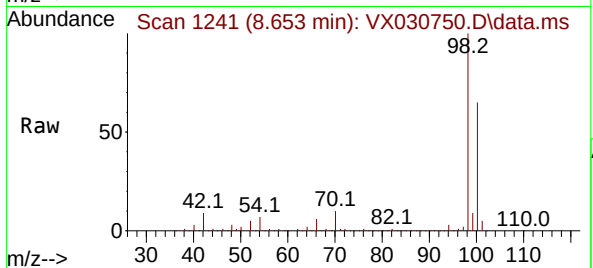




#50
Toluene-d8
Concen: 50.101 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

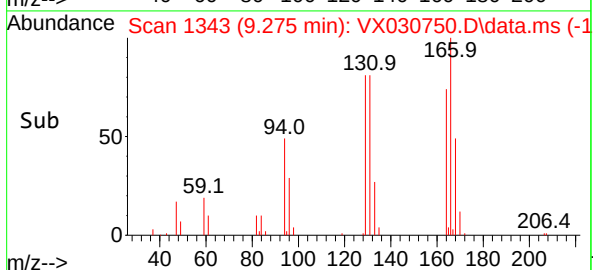
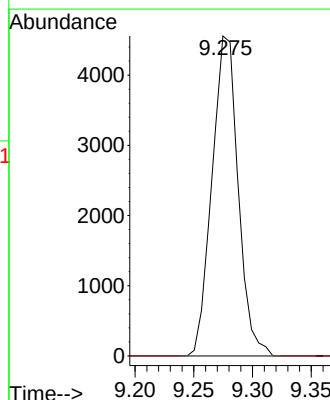
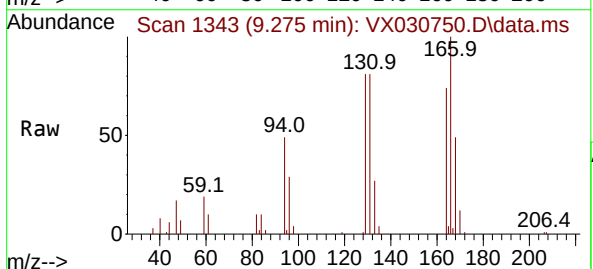
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

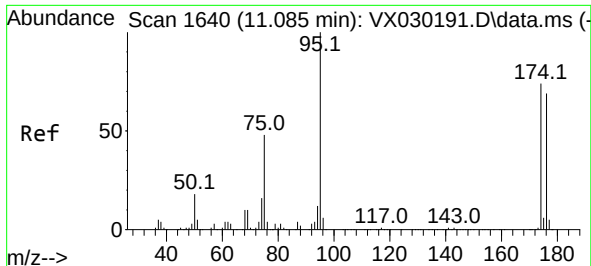
Tgt Ion: 98 Resp: 568483
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#60
Dibromochloromethane
Concen: 2.218 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion:129 Resp: 7076
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

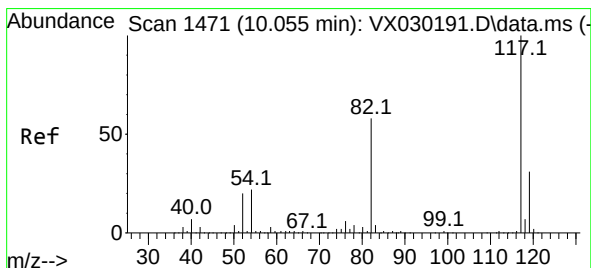
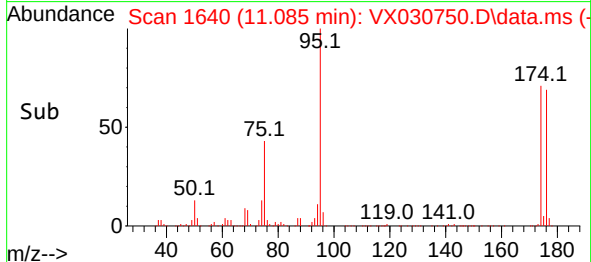
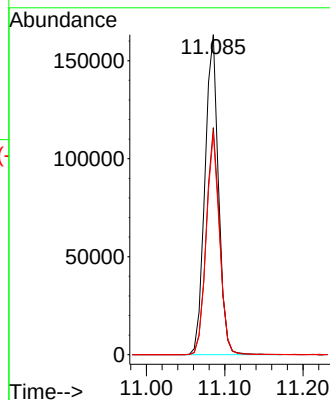
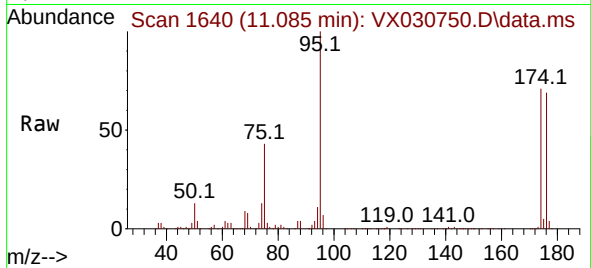




#62
4-Bromofluorobenzene
Concen: 46.438 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

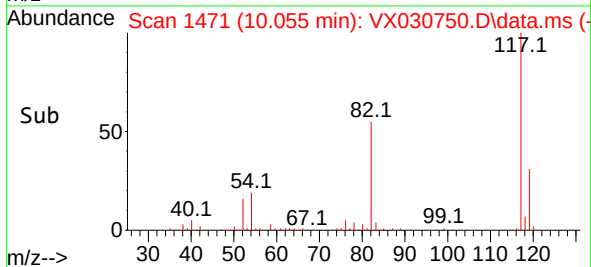
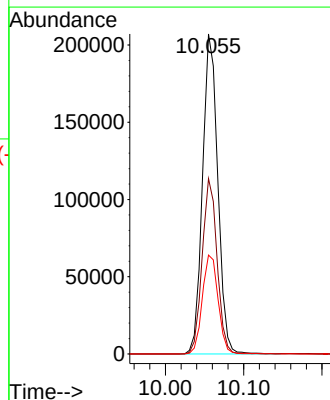
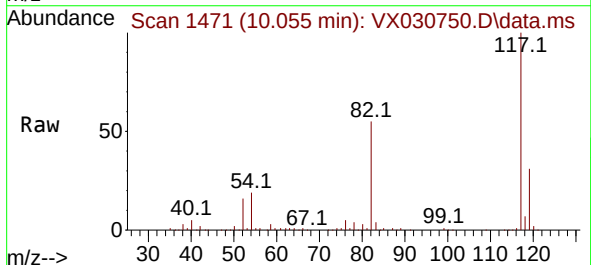
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

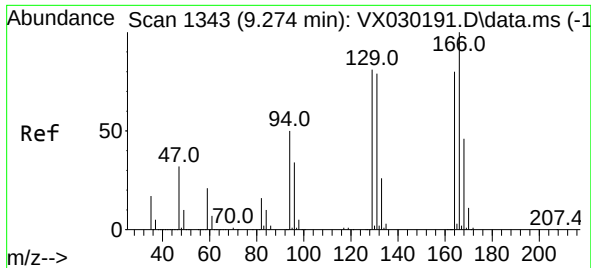
Tgt Ion: 95 Resp: 195554
Ion Ratio Lower Upper
95 100
174 69.9 0.0 149.0
176 67.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion: 117 Resp: 280022
Ion Ratio Lower Upper
117 100
82 54.8 42.7 64.1
119 30.9 25.4 38.2

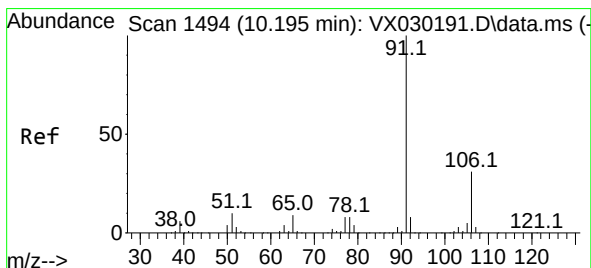
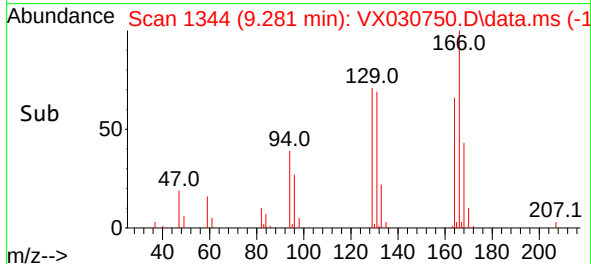
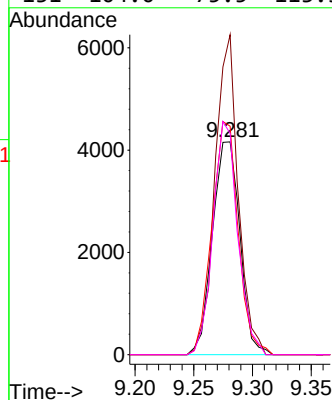
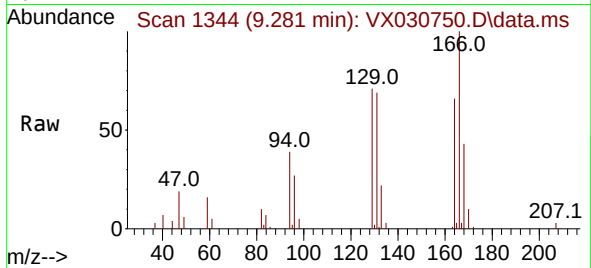




#64
Tetrachloroethene
Concen: 2.238 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

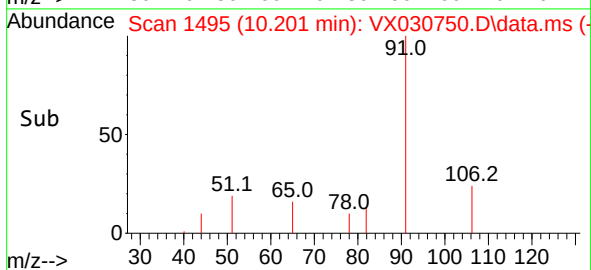
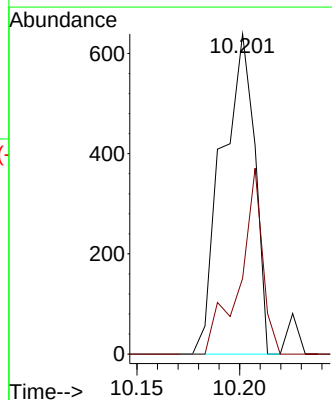
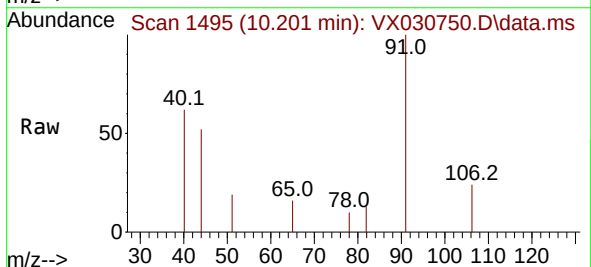
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

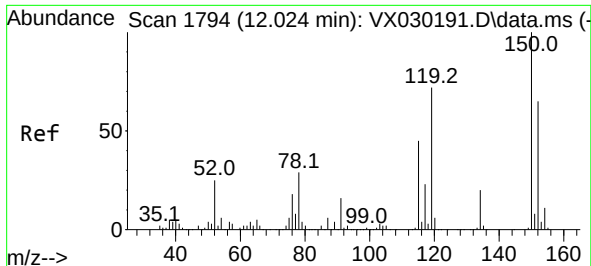
Tgt Ion:164 Resp: 6748
Ion Ratio Lower Upper
164 100
166 150.4 98.2 147.4#
129 107.4 80.8 121.2
131 104.0 75.5 113.3



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion: 91 Resp: 710
Ion Ratio Lower Upper
91 100
106 23.6 25.5 38.3#

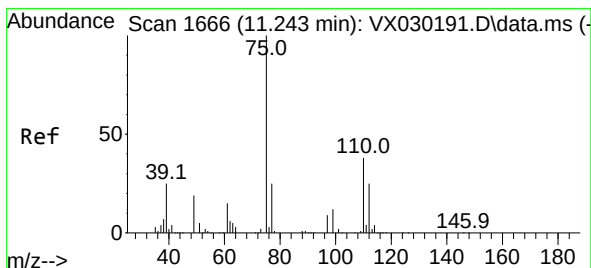
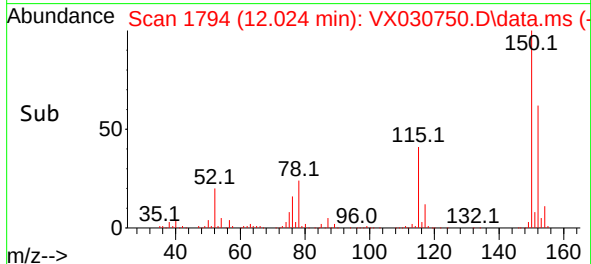
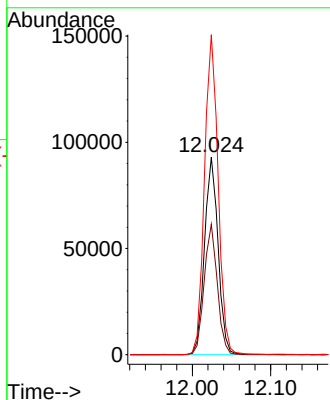
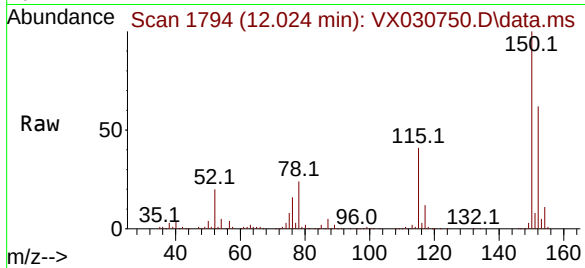




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030750.D
 Acq: 23 Aug 2022 22:44

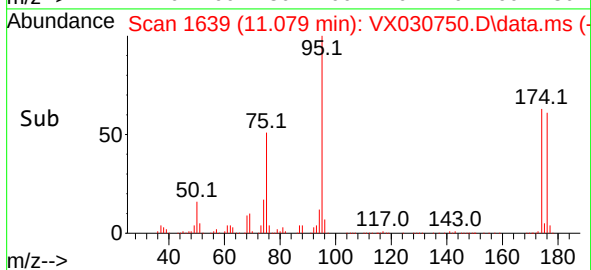
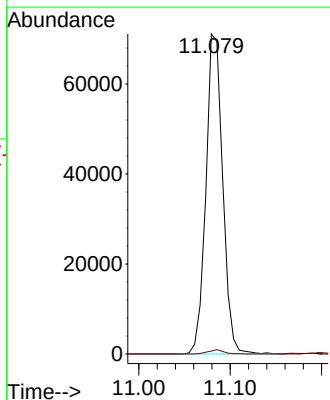
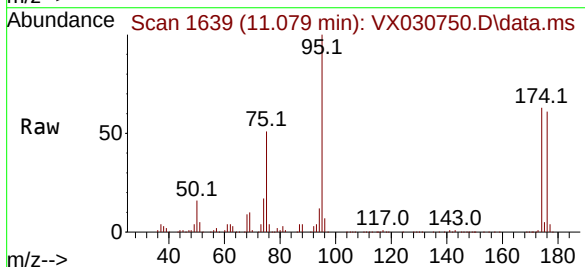
Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20220816DL

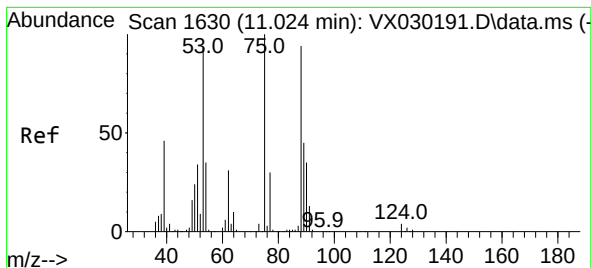
Tgt Ion:152 Resp: 111732
 Ion Ratio Lower Upper
 152 100
 115 64.1 40.5 121.5
 150 162.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 30.762 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX030750.D
 Acq: 23 Aug 2022 22:44

Tgt Ion: 75 Resp: 90601
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#

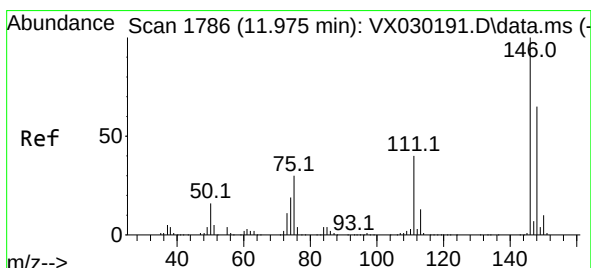
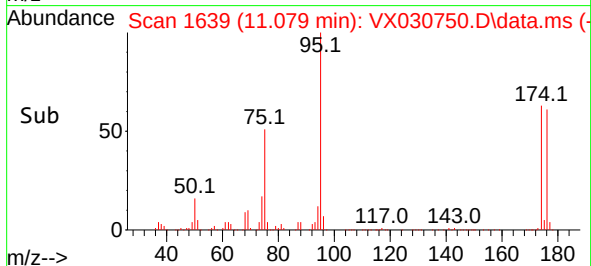
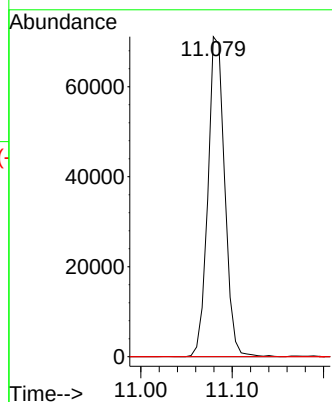
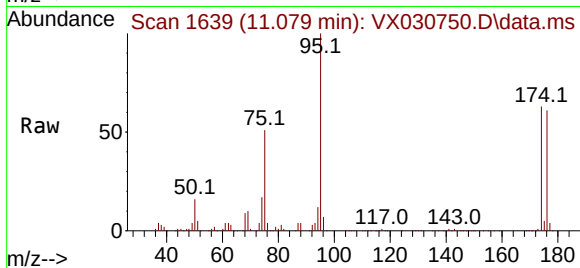




#81
trans-1,4-Dichloro-2-butene
Concen: 92.285 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.055 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

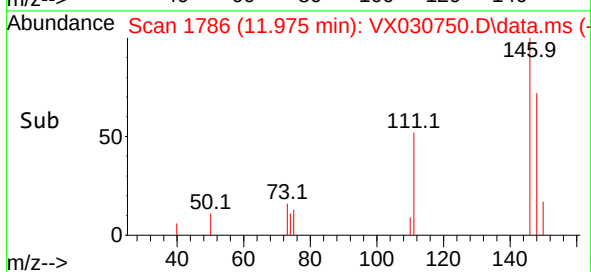
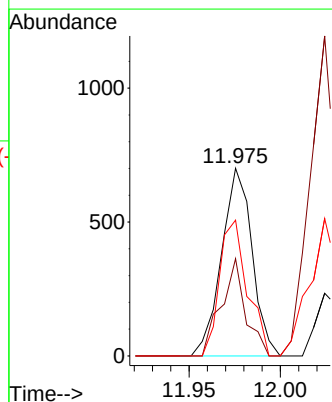
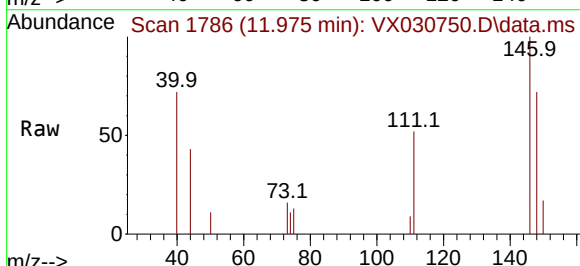
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

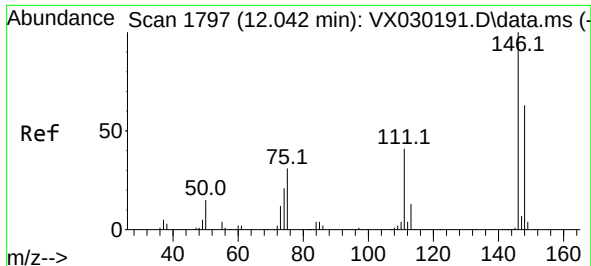
Tgt Ion: 75 Resp: 90601
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#87
1,3-Dichlorobenzene
Concen: 0.204 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion:146 Resp: 813
Ion Ratio Lower Upper
146 100
111 41.3 20.3 60.8
148 66.2 31.8 95.3

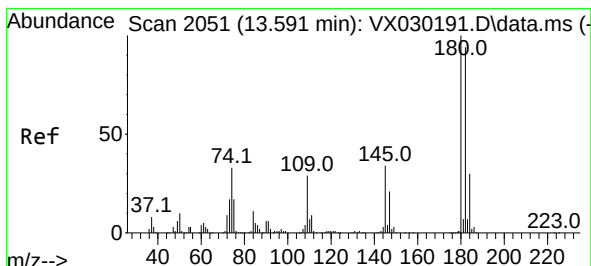
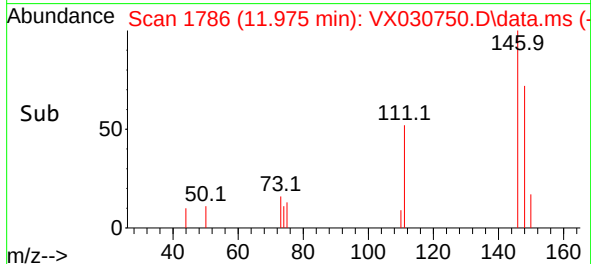
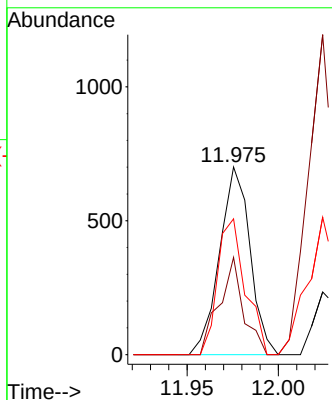
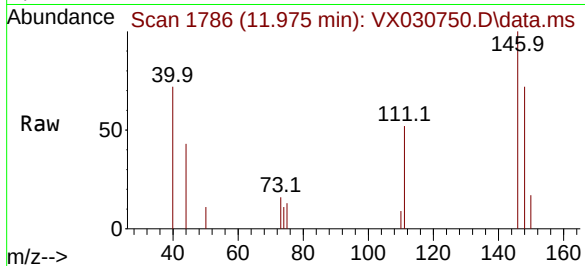




#88
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

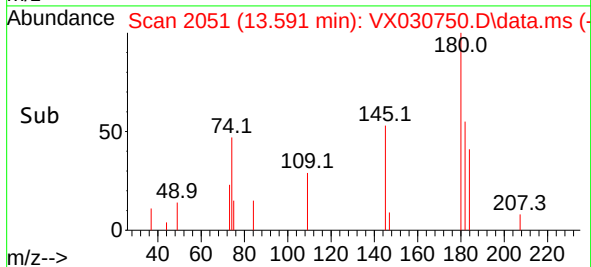
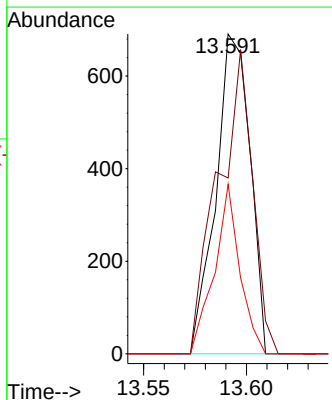
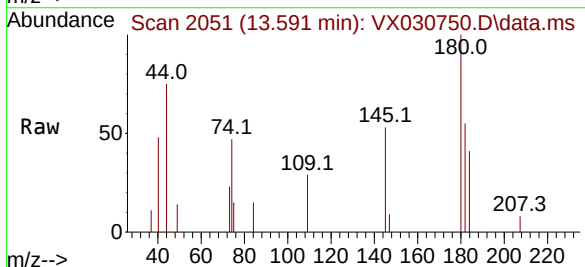
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

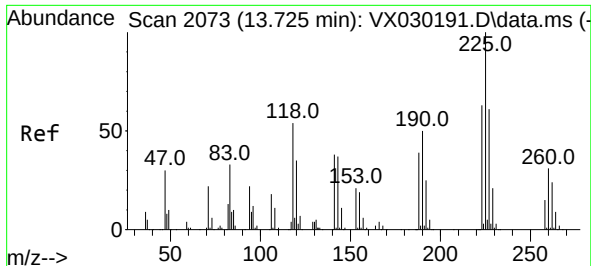
Tgt Ion:146 Resp: 813
Ion Ratio Lower Upper
146 100
111 41.3 20.3 60.9
148 66.2 32.3 96.8



#93
1,2,4-Trichlorobenzene
Concen: 0.353 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

Tgt Ion:180 Resp: 799
Ion Ratio Lower Upper
180 100
182 96.1 48.2 144.6
145 39.4 15.9 47.6

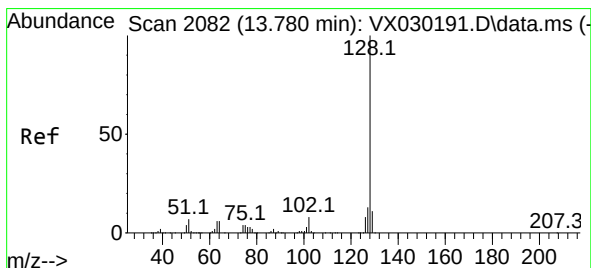
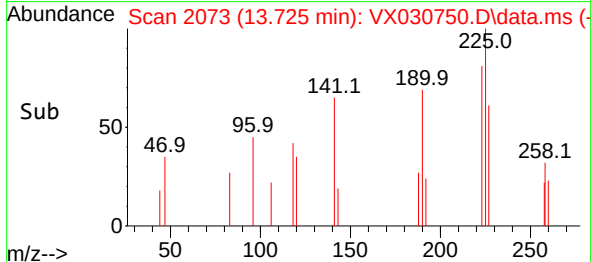
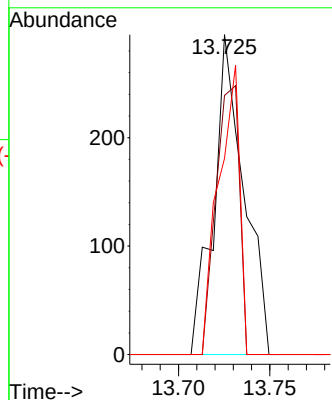
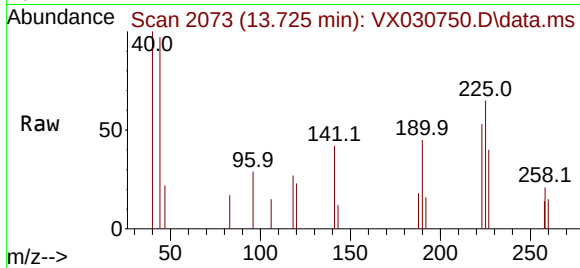




#94
Hexachlorobutadiene
Concen: 0.375 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

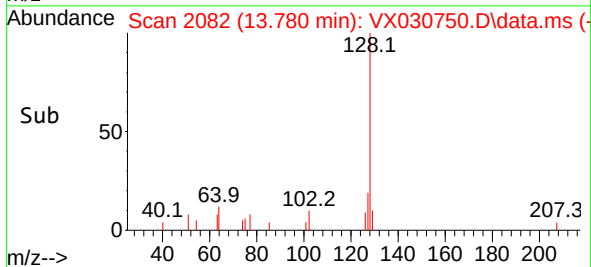
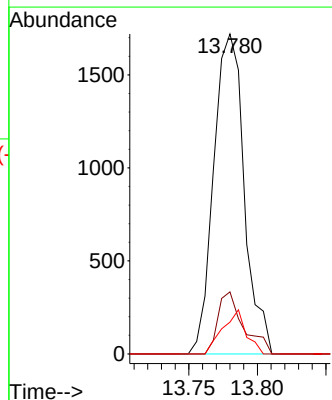
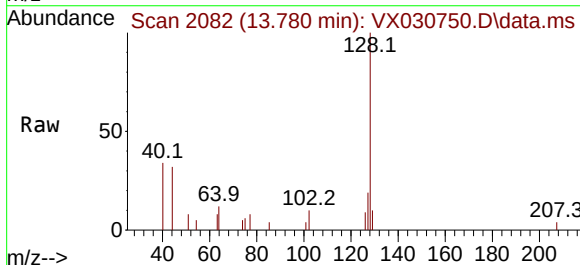
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816DL

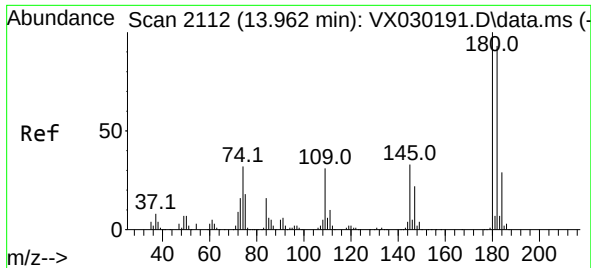
Tgt Ion:	225	Resp:	341
Ion	Ratio	Lower	Upper
225	100		
223	65.4	30.6	91.6
227	63.0	31.9	95.9



#95
Naphthalene
Concen: 0.301 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030750.D
Acq: 23 Aug 2022 22:44

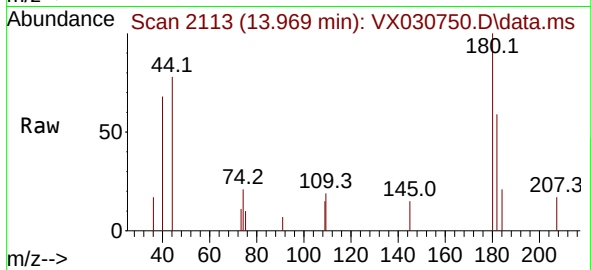
Tgt Ion:	128	Resp:	2663
Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.2	15.2#
129	10.5	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.341 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VX030750.D
 Acq: 23 Aug 2022 22:44

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20220816DL



Tgt Ion:	180	Resp:	792
Ion	Ratio	Lower	Upper
180	100		
182	100.9	47.0	141.0
145	26.6	17.0	50.9

