

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037191.D
 Acq On : 23 Aug 2023 18:18
 Operator : JC/MD
 Sample : 04024-19DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20230815DL

Quant Time: Aug 24 05:36:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

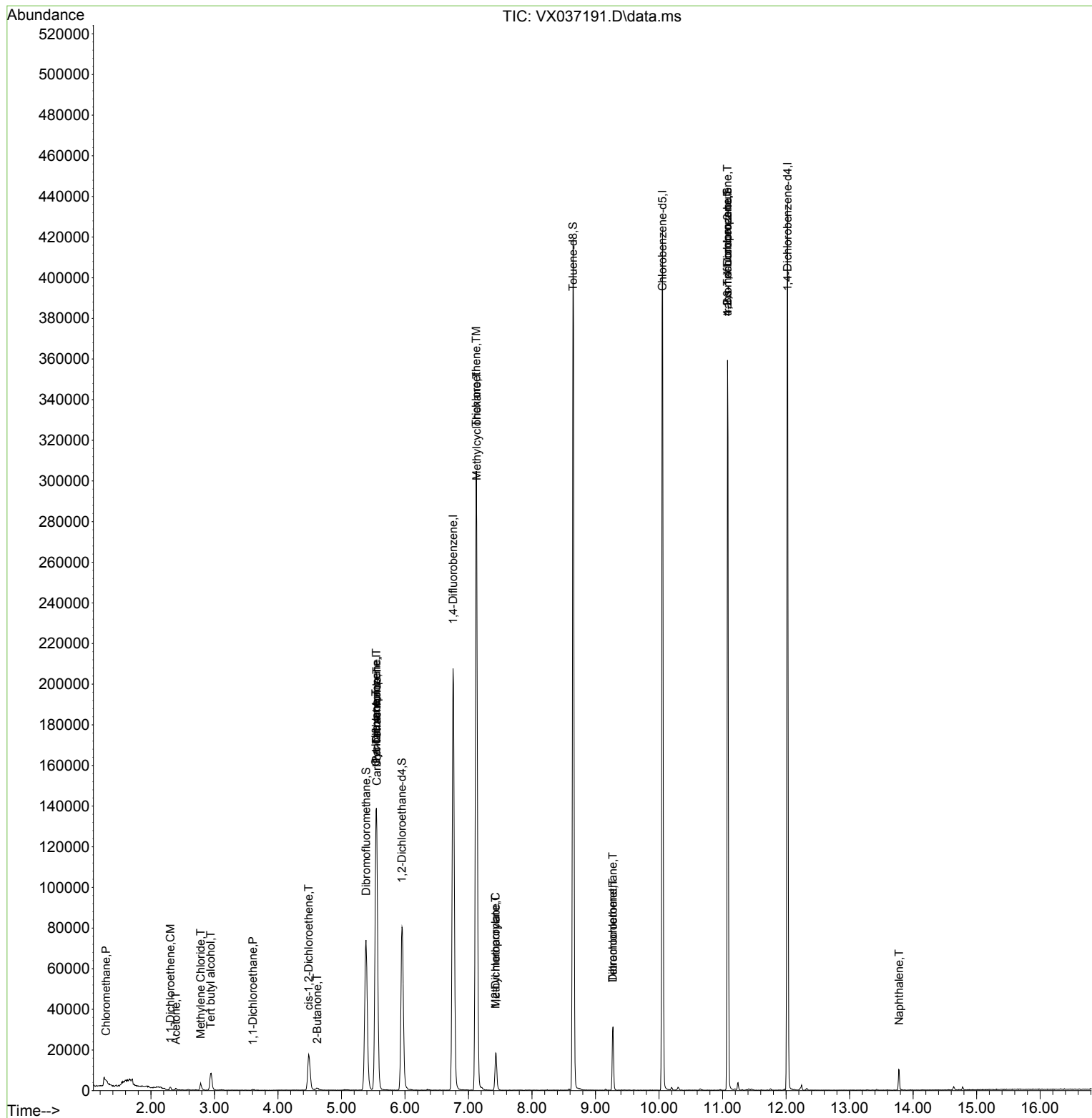
Internal Standards						
1) Pentafluorobenzene	5.550	168	131255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	216395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82571	43.636	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.280%		
35) Dibromofluoromethane	5.385	113	65529	45.724	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.440%		
50) Toluene-d8	8.647	98	253108	48.688	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.380%		
62) 4-Bromofluorobenzene	11.079	95	98853	48.388	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.780%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	621	0.466	ug/l #	43
11) Tert butyl alcohol	2.940	59	5491	12.370	ug/l #	79
12) 1,1-Dichloroethene	2.306	96	454	0.336	ug/l #	80
16) Acetone	2.392	43	836	1.129	ug/l #	79
20) Methylene Chloride	2.782	84	1795	1.084	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	563	0.209	ug/l #	83
25) 2-Butanone	4.617	43	335	0.301	ug/l #	51
27) cis-1,2-Dichloroethene	4.483	96	11789	6.511	ug/l	80
31) Cyclohexane	5.544	56	2707	1.272	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10638	5.225	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14108	6.379	ug/l #	14
39) Methylcyclohexane	7.129	83	1468	0.686	ug/l #	1
44) Trichloroethene	7.123	130	120070	72.514	ug/l	95
45) 1,2-Dichloropropane	7.427	63	7201	5.001	ug/l	94
48) Methyl methacrylate	7.427	41	4032	2.504	ug/l #	40
60) Dibromochloromethane	9.275	129	5793	3.463	ug/l #	11
64) Tetrachloroethene	9.275	164	5860	4.080	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	50414	25.513	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50414	71.259	ug/l #	5
95) Naphthalene	13.780	128	7409	0.957	ug/l	99

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

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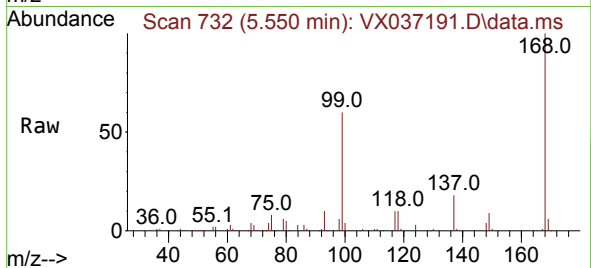
Quant Time: Aug 24 05:36:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
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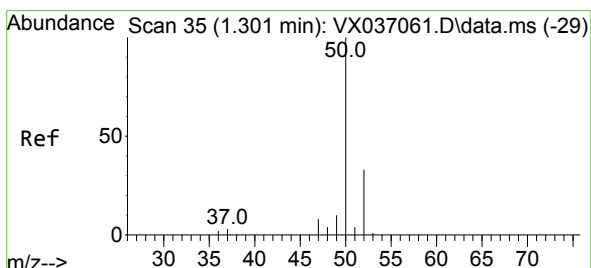
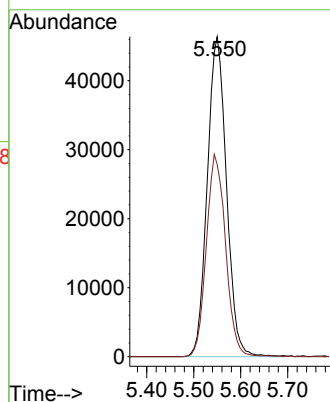


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20230815DL

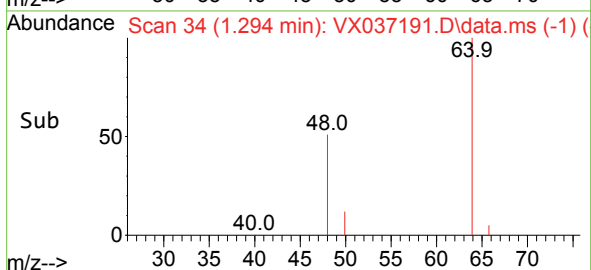
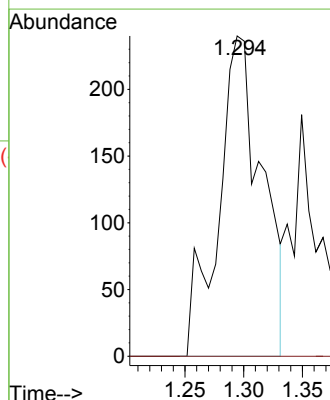
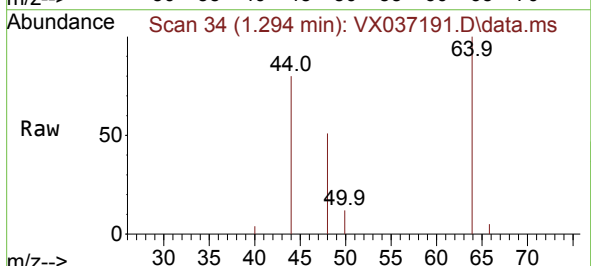


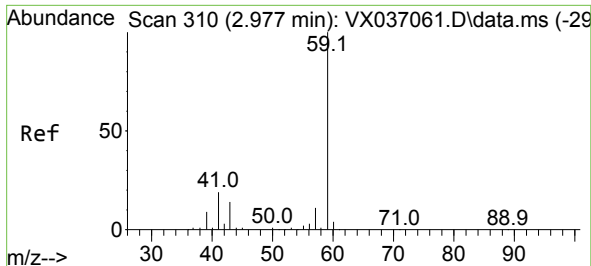
Tgt Ion:168 Resp: 131255
Ion Ratio Lower Upper
168 100
99 60.1 56.6 85.0



#3
Chloromethane
Concen: 0.466 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Tgt Ion: 50 Resp: 621
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 12.370 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.037 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

Instrument :

MSVOA_X

ClientSampleId :

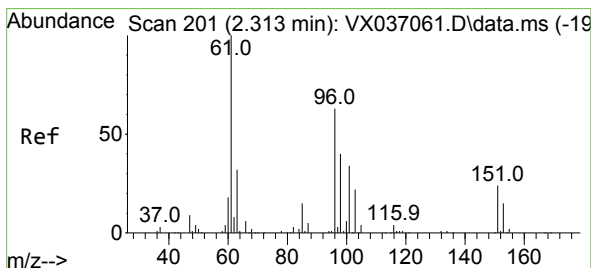
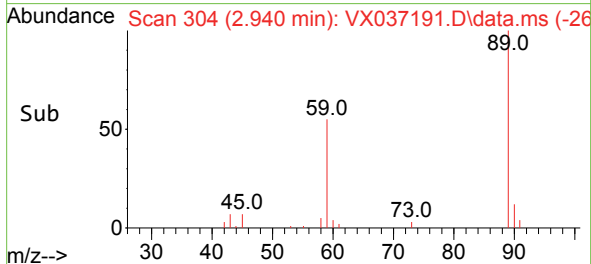
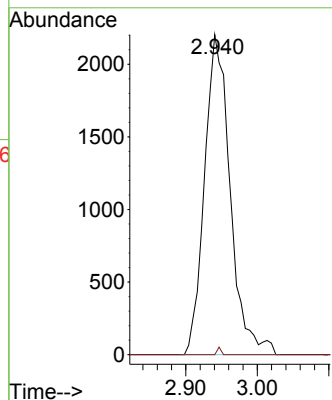
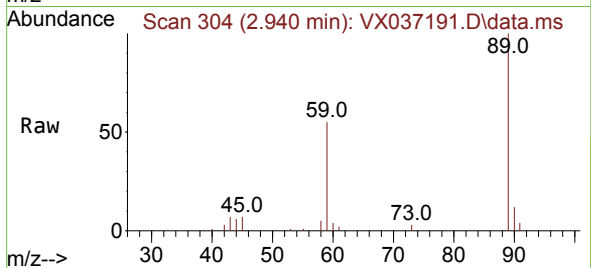
MW17811-20230815DL

Tgt Ion: 59 Resp: 5491

Ion Ratio Lower Upper

59 100

57 0.3 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.336 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

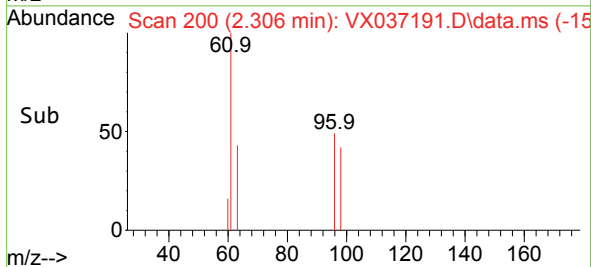
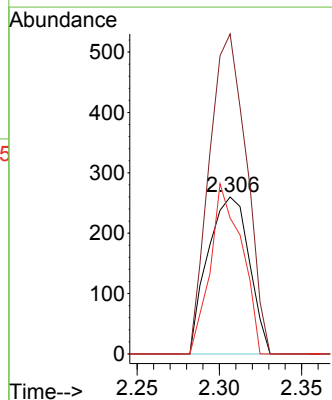
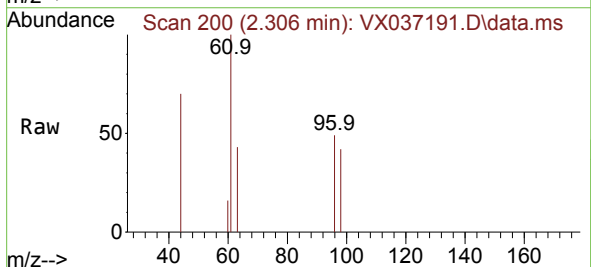
Tgt Ion: 96 Resp: 454

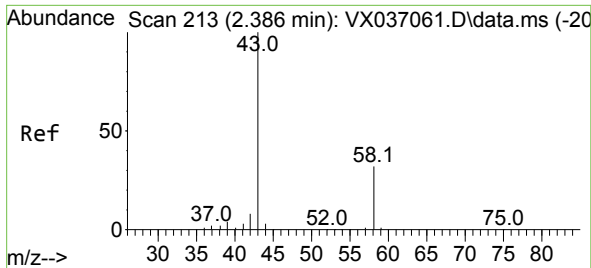
Ion Ratio Lower Upper

96 100

61 203.8 144.6 216.8

98 86.5 50.4 75.6#





#16

Acetone

Concen: 1.129 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

Instrument :

MSVOA_X

ClientSampleId :

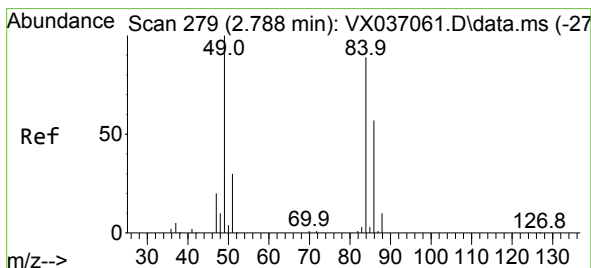
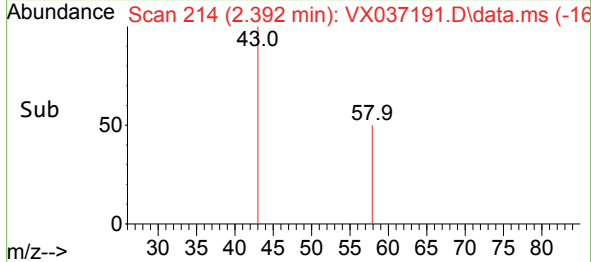
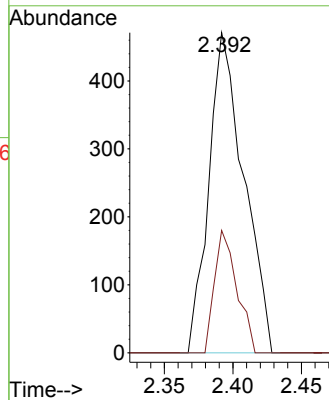
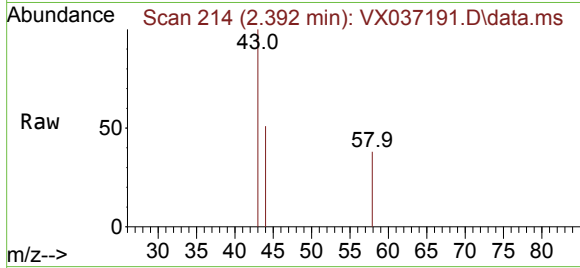
MW17811-20230815DL

Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

58 38.2 21.9 32.9#



#20

Methylene Chloride

Concen: 1.084 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

Tgt Ion: 84 Resp: 1795

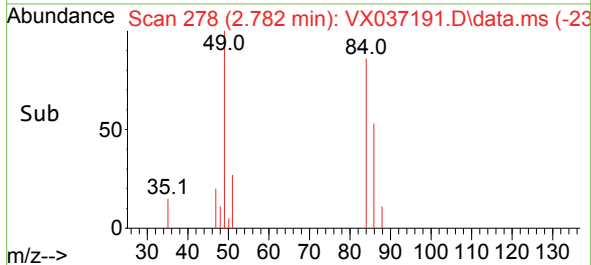
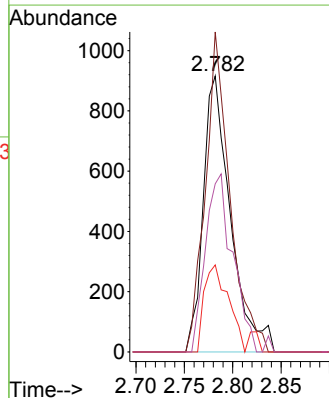
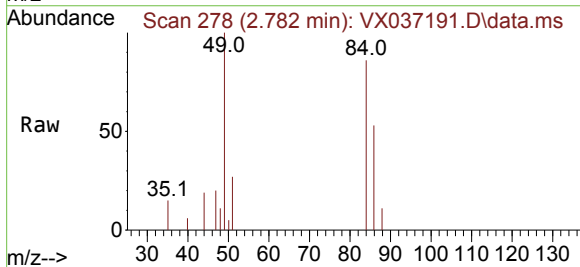
Ion Ratio Lower Upper

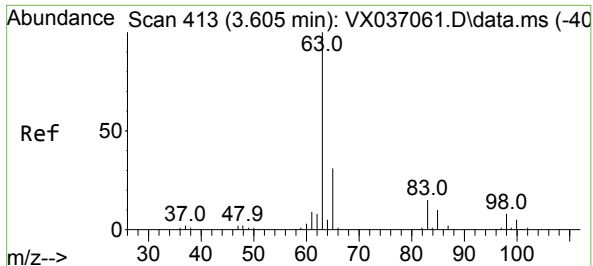
84 100

49 115.9 103.6 155.4

51 31.6 33.8 50.6#

86 60.9 49.4 74.0





#24

1,1-Dichloroethane

Concen: 0.209 ug/l

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

Instrument :

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ClientSampleId :

MW17811-20230815DL

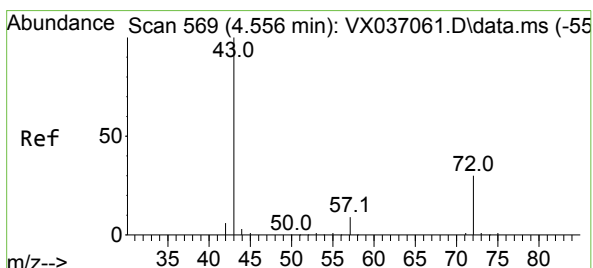
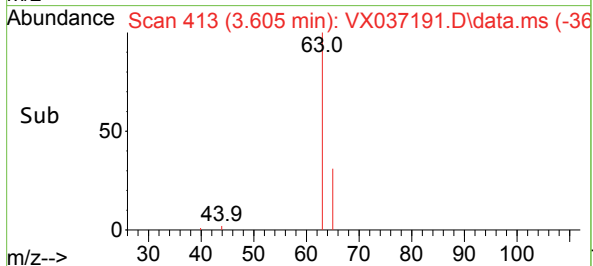
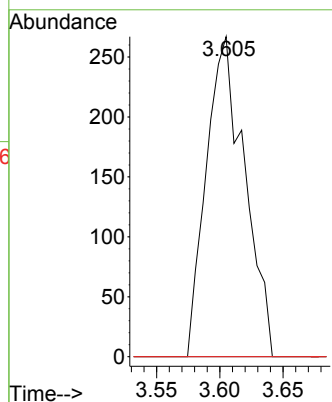
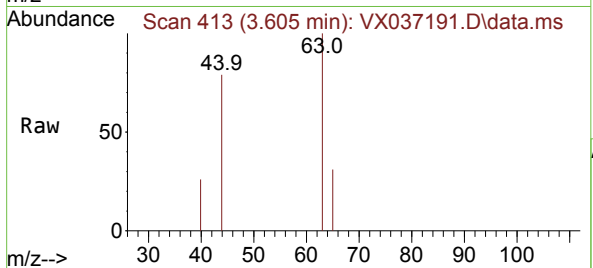
Tgt Ion: 63 Resp: 563

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#



#25

2-Butanone

Concen: 0.301 ug/l

RT: 4.617 min Scan# 579

Delta R.T. 0.061 min

Lab File: VX037191.D

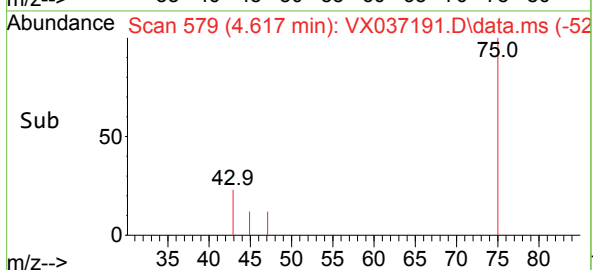
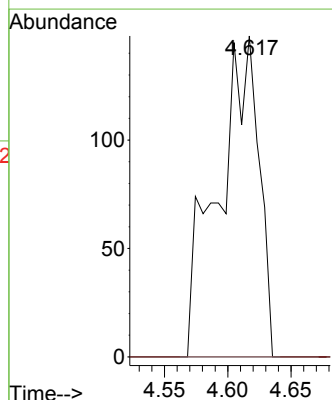
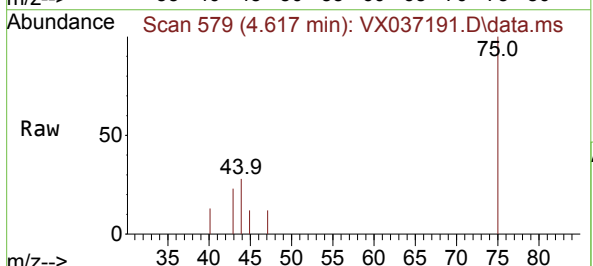
Acq: 23 Aug 2023 18:18

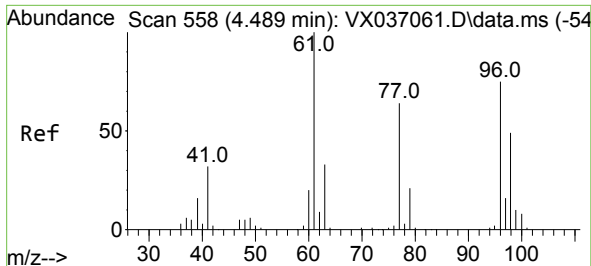
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 6.511 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX037191.D

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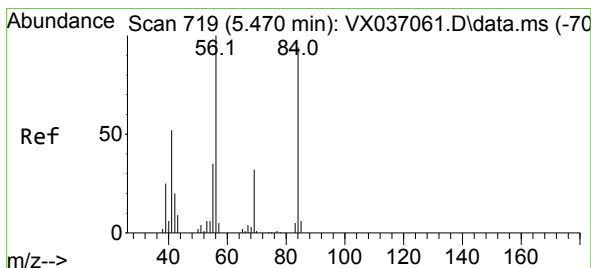
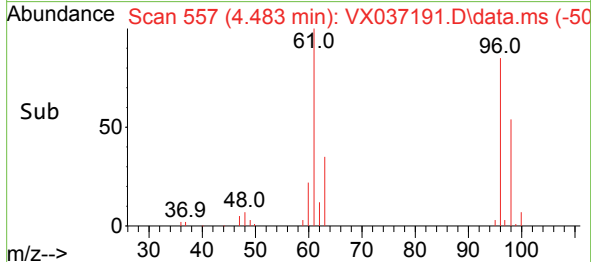
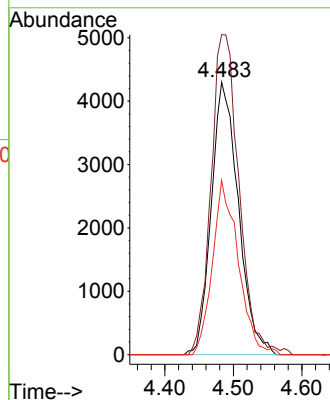
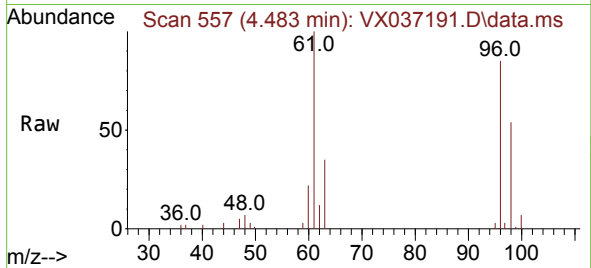
Tgt Ion: 96 Resp: 11789

Ion Ratio Lower Upper

96 100

61 121.4 0.0 312.2

98 61.0 0.0 129.0



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

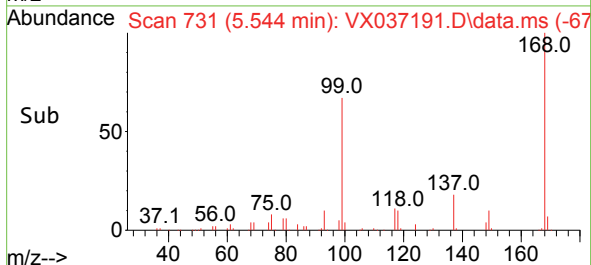
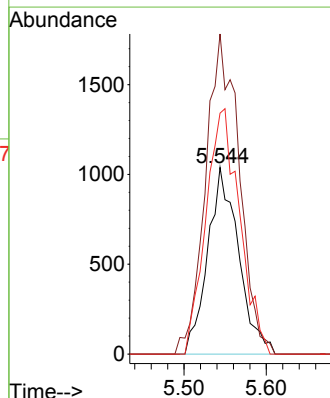
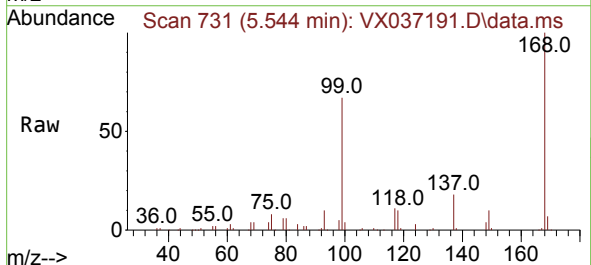
Tgt Ion: 56 Resp: 2707

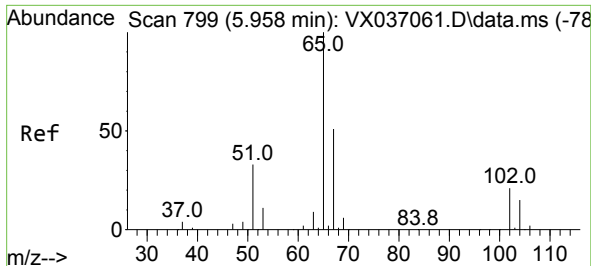
Ion Ratio Lower Upper

56 100

69 171.5 23.4 35.2#

84 129.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.636 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

Instrument :

MSVOA_X

ClientSampleId :

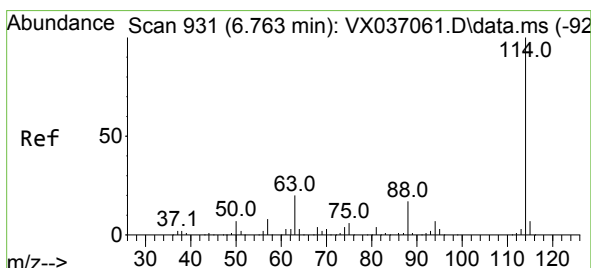
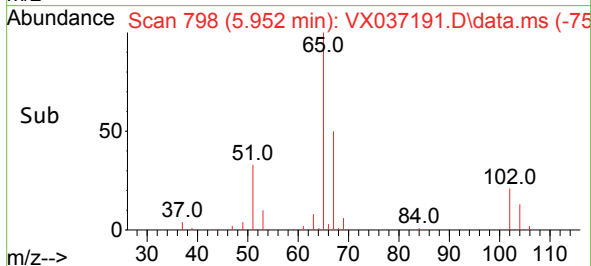
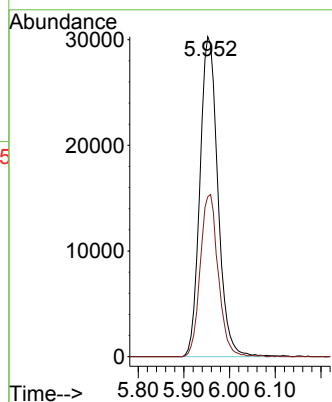
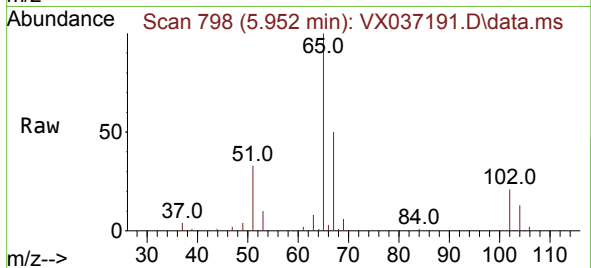
MW17811-20230815DL

Tgt Ion: 65 Resp: 82571

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037191.D

Acq: 23 Aug 2023 18:18

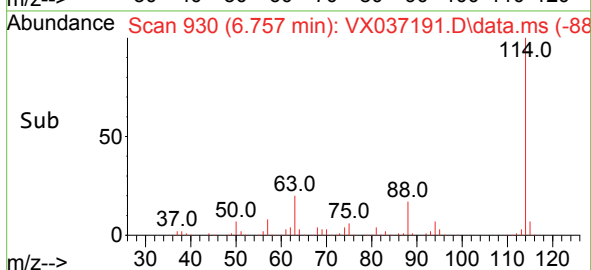
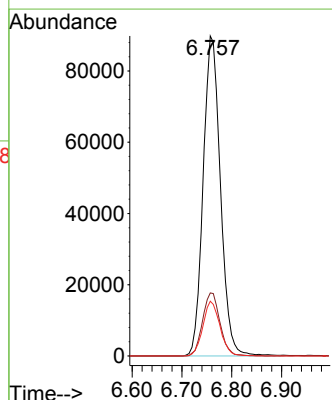
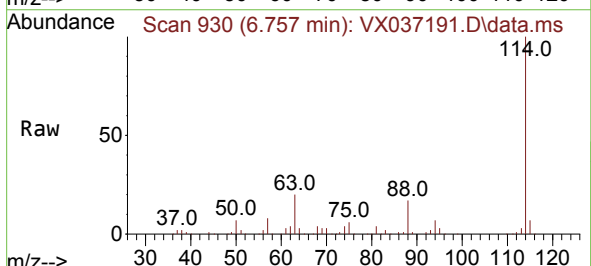
Tgt Ion: 114 Resp: 216395

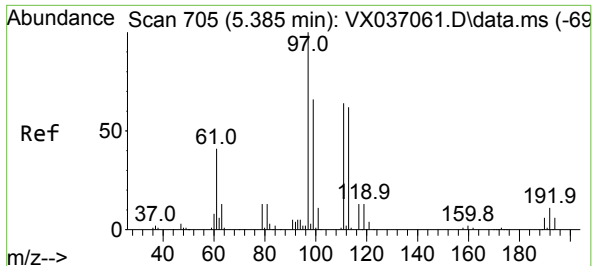
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

88 17.1 0.0 36.6

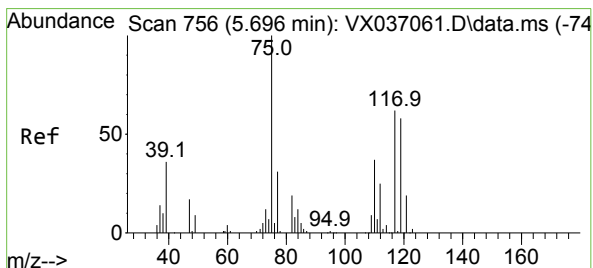
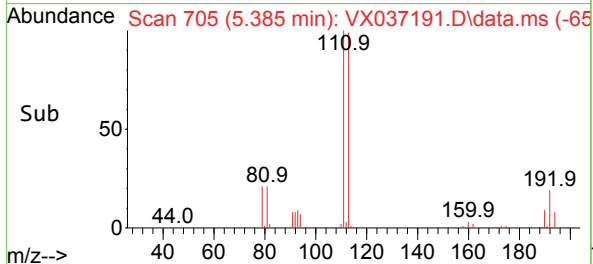
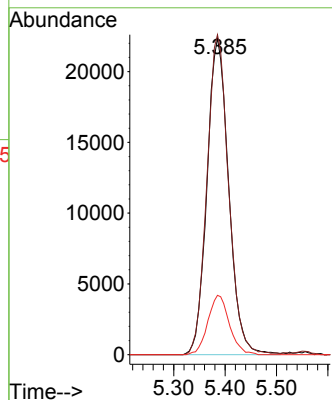
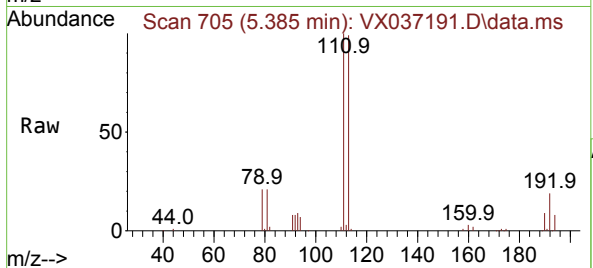




#35
 Dibromofluoromethane
 Concen: 45.724 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX037191.D
 Acq: 23 Aug 2023 18:18

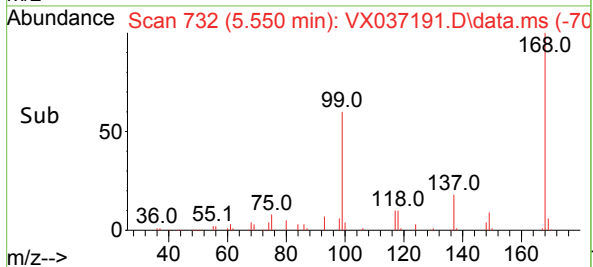
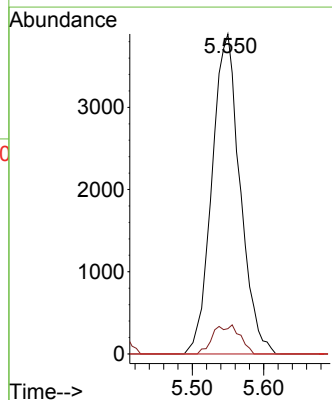
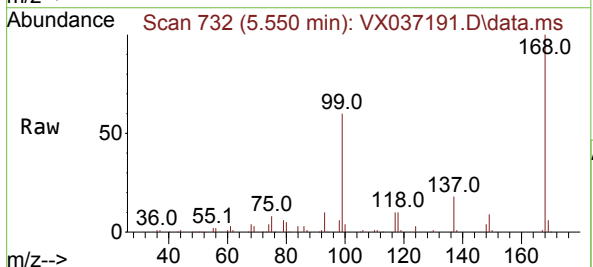
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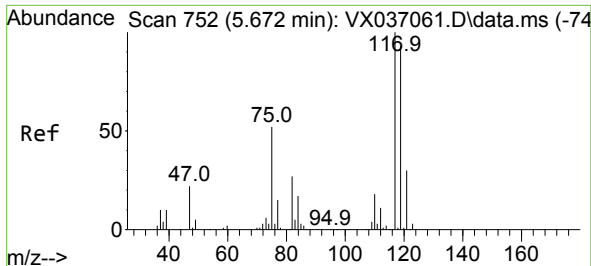
Tgt Ion:113 Resp: 65529
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.9 124.3
 192 18.6 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 5.225 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.146 min
 Lab File: VX037191.D
 Acq: 23 Aug 2023 18:18

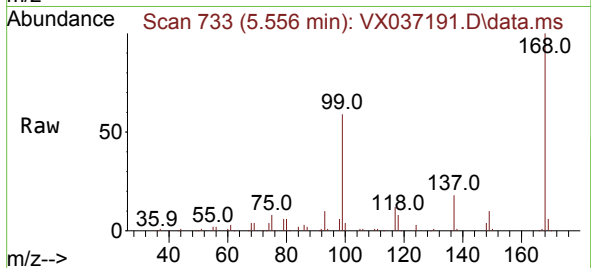
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 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 50.9#
 77 0.0 24.7 37.1#



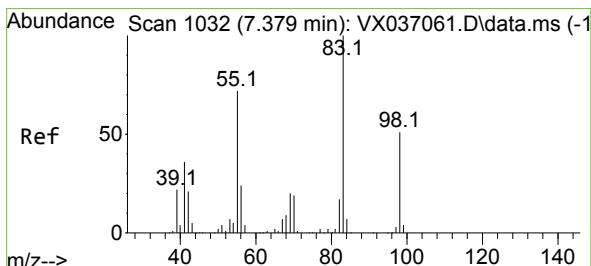
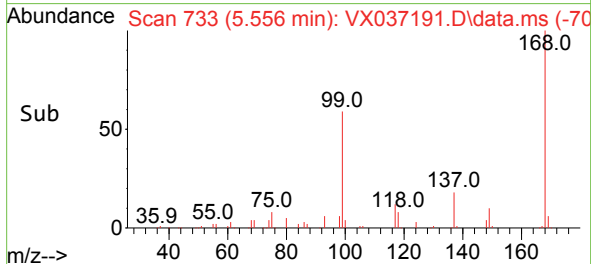
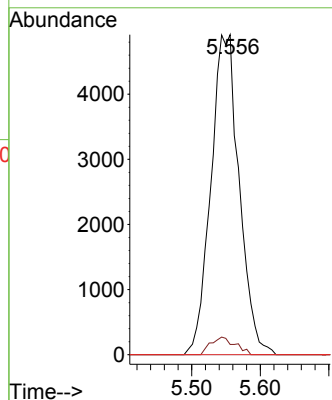


#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815DL

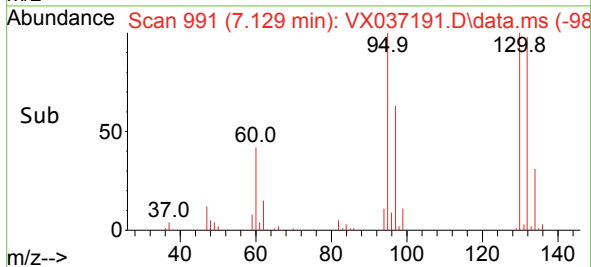
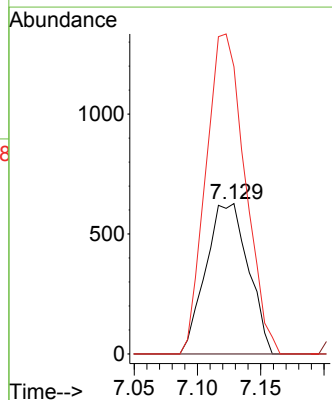
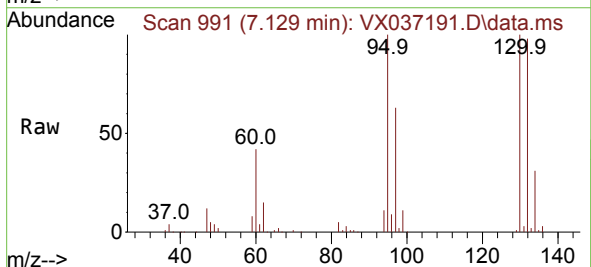


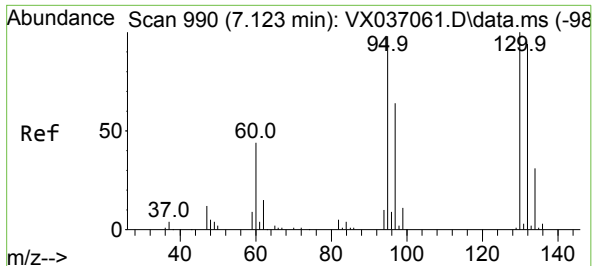
Tgt Ion:117 Resp: 14108
Ion Ratio Lower Upper
117 100
119 3.2 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.686 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Tgt Ion: 83 Resp: 1468
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 190.9 36.7 55.1#

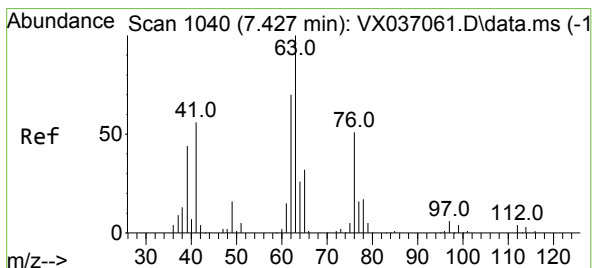
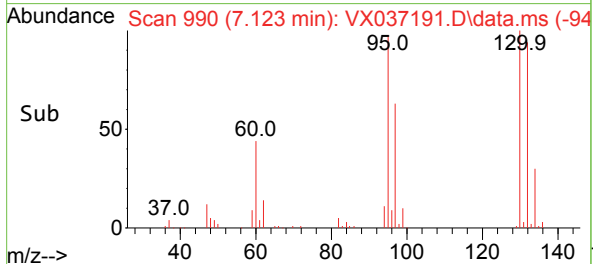
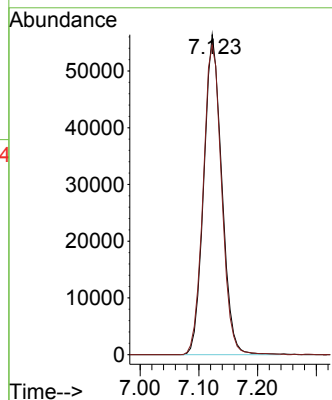
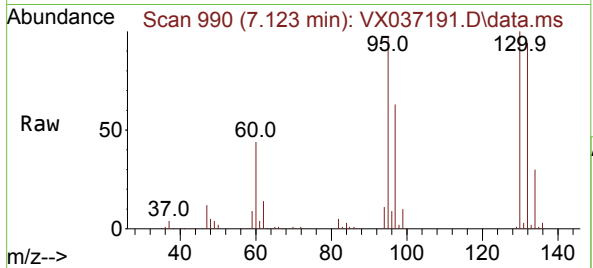




#44
Trichloroethene
Concen: 72.514 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

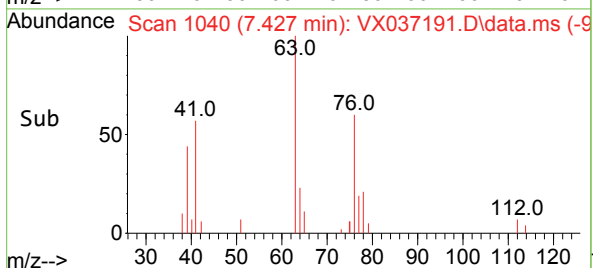
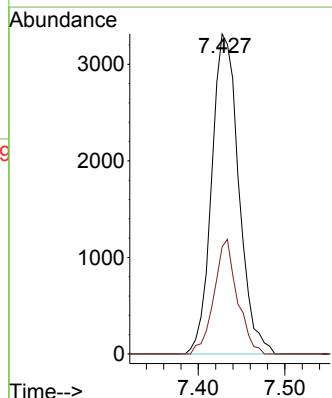
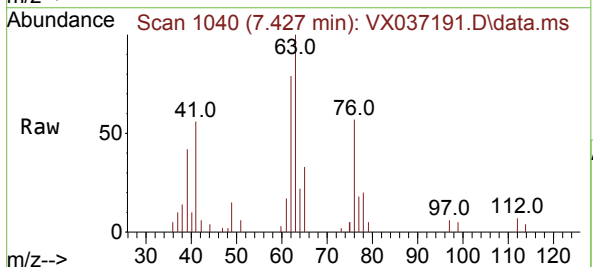
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815DL

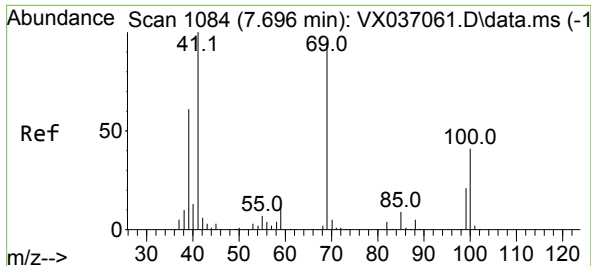
Tgt Ion:130 Resp: 120070
Ion Ratio Lower Upper
130 100
95 96.7 0.0 204.4



#45
1,2-Dichloropropane
Concen: 5.001 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Tgt Ion: 63 Resp: 7201
Ion Ratio Lower Upper
63 100
65 33.5 24.3 36.5

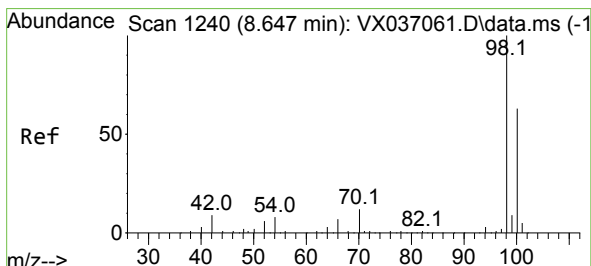
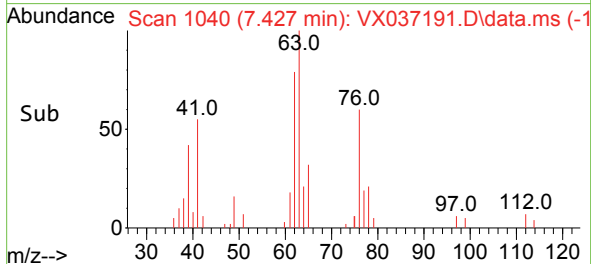
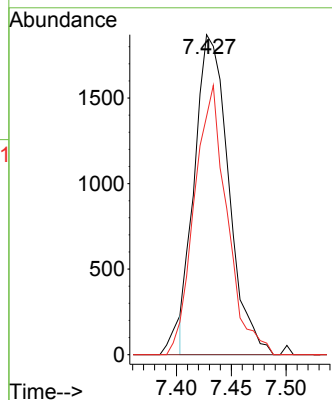
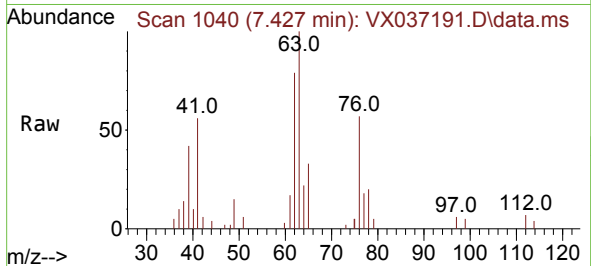




#48
Methyl methacrylate
Concen: 2.504 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.268 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

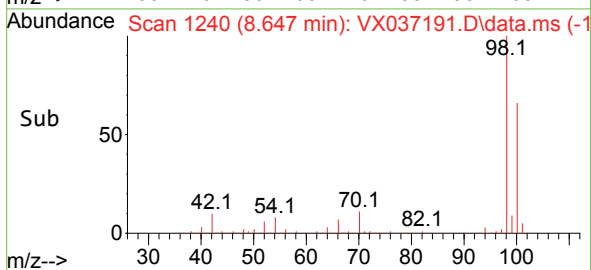
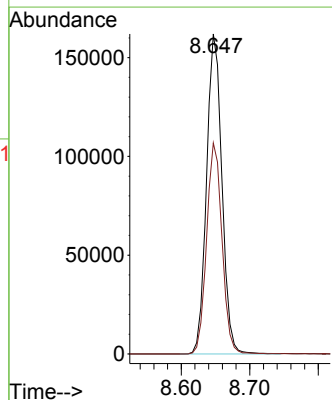
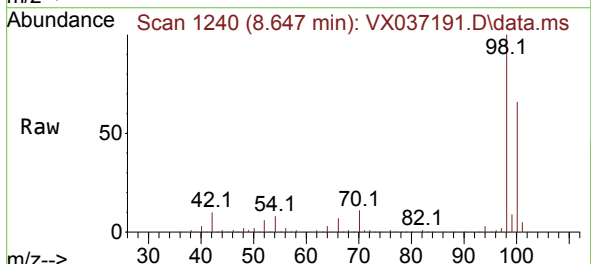
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815DL

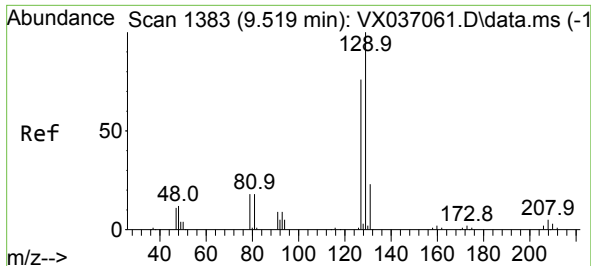
Tgt Ion: 41 Resp: 4032
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 78.7 47.7 71.5#



#50
Toluene-d8
Concen: 48.688 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Tgt Ion: 98 Resp: 253108
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

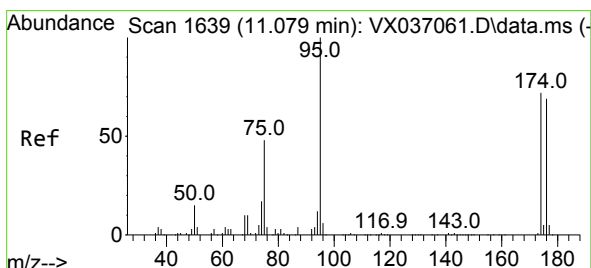
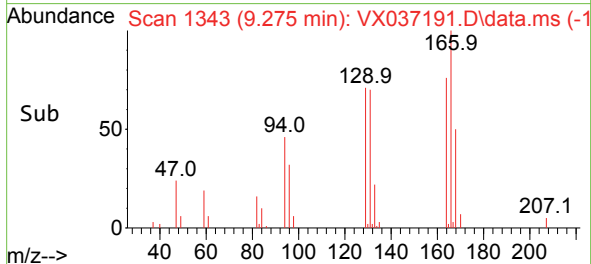
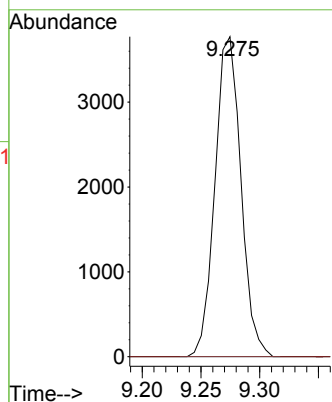
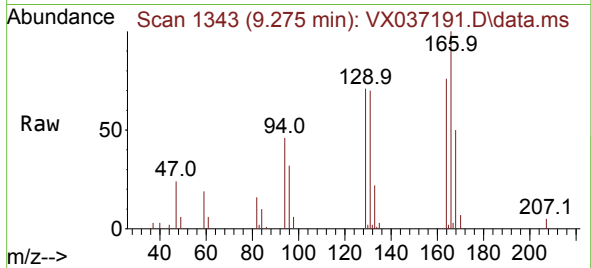




#60
Dibromochloromethane
Concen: 3.463 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

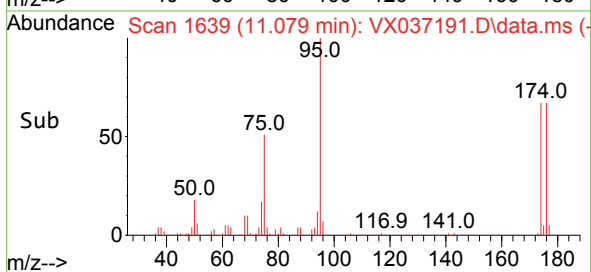
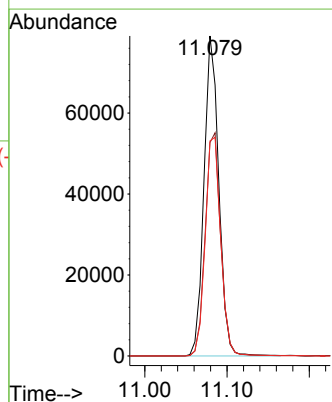
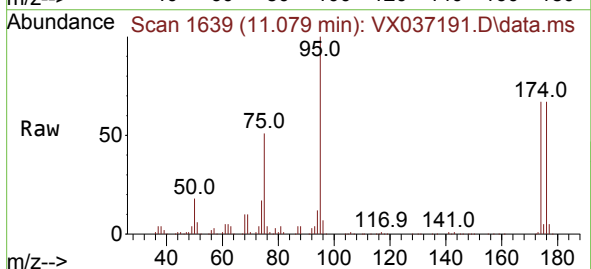
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815DL

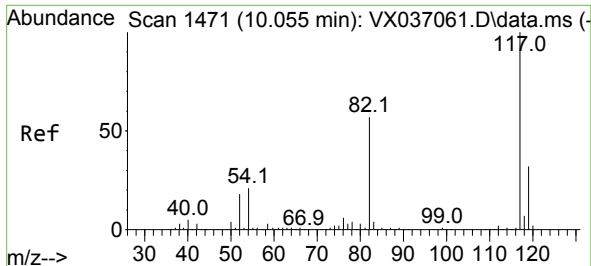
Tgt Ion:129 Resp: 5793
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.388 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Tgt Ion: 95 Resp: 98853
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 71.8 0.0 131.0

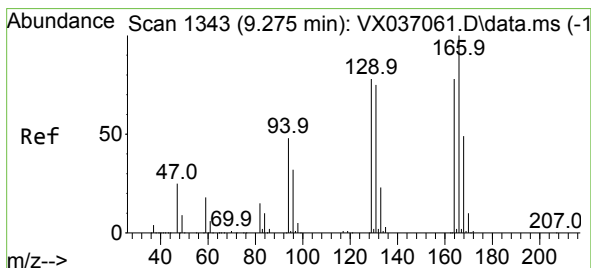
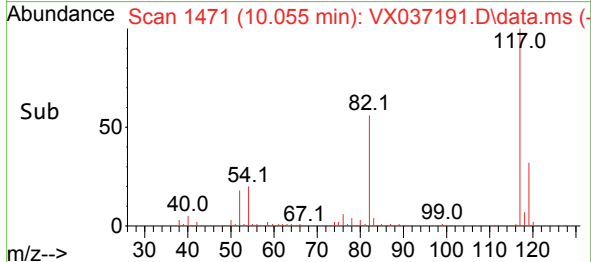
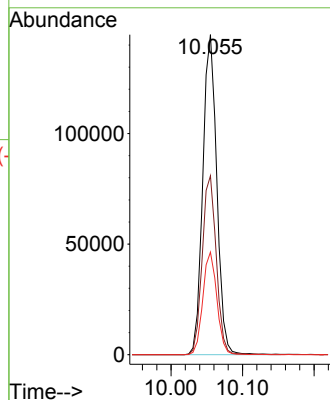
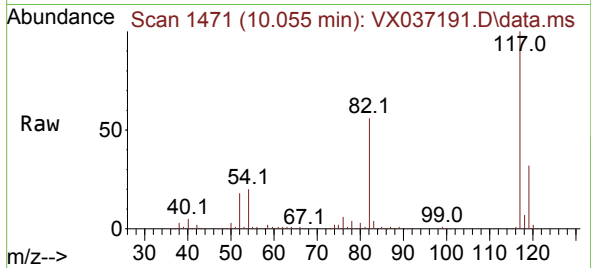




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

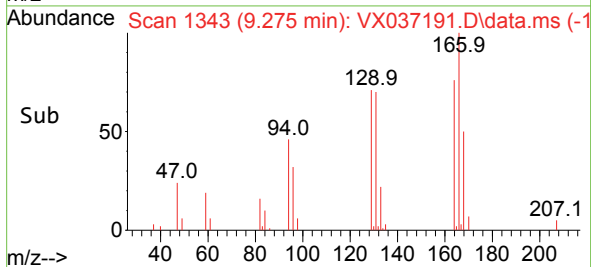
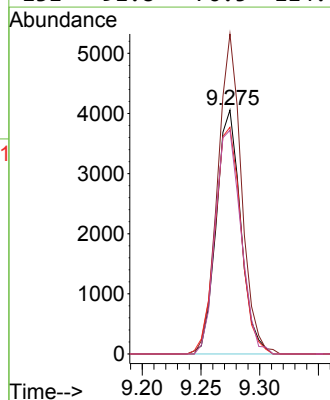
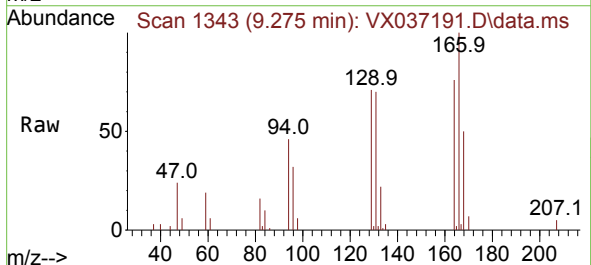
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815DL

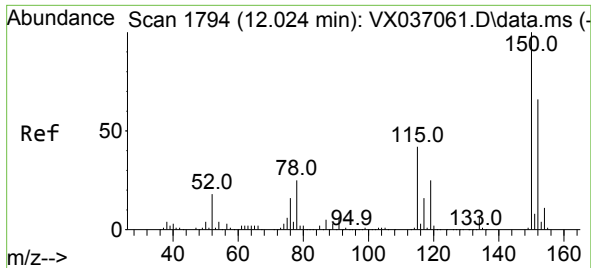
Tgt Ion:117 Resp: 196898
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 4.080 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Tgt Ion:164 Resp: 5860
Ion Ratio Lower Upper
164 100
166 131.2 102.7 154.1
129 93.0 80.4 120.6
131 91.8 76.5 114.7

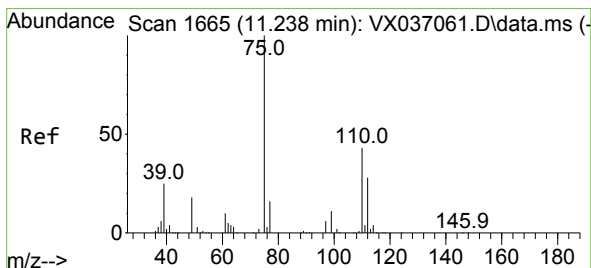
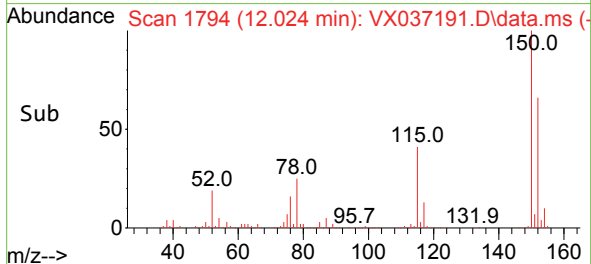
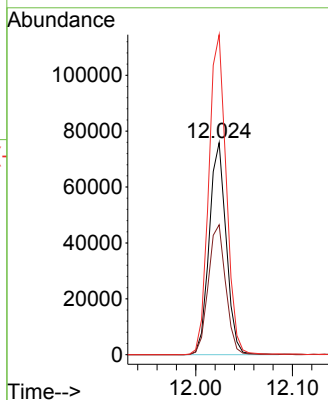
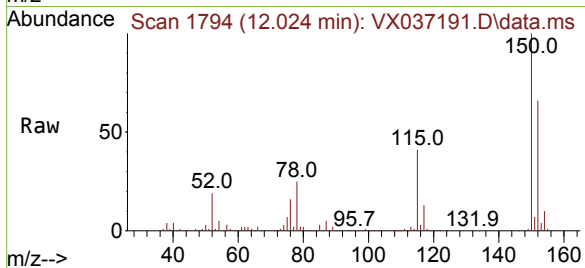




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037191.D
 Acq: 23 Aug 2023 18:18

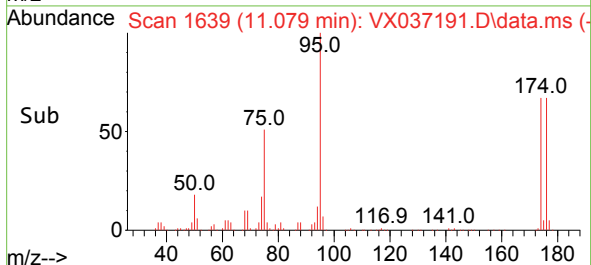
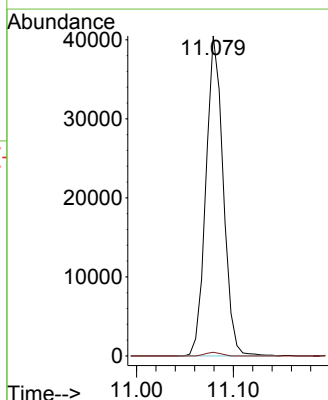
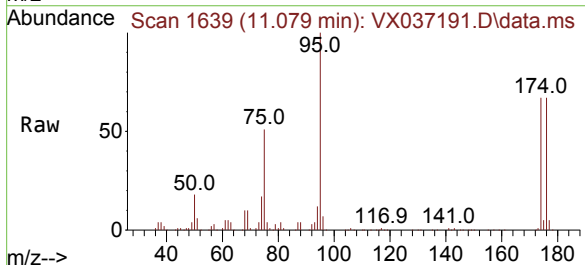
Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20230815DL

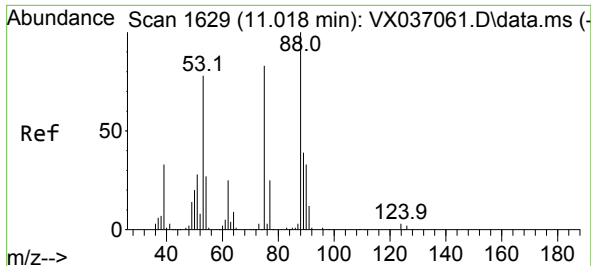
Tgt Ion:152 Resp: 92785
 Ion Ratio Lower Upper
 152 100
 115 63.1 43.3 129.9
 150 155.9 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.513 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037191.D
 Acq: 23 Aug 2023 18:18

Tgt Ion: 75 Resp: 50414
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

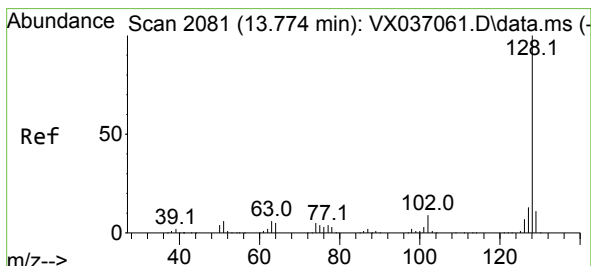
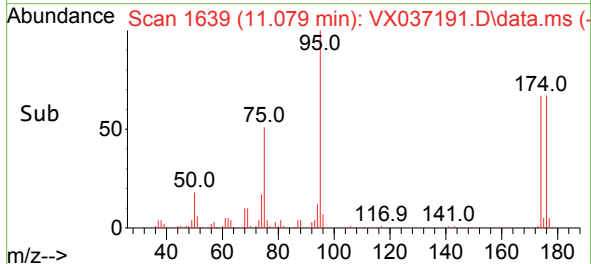
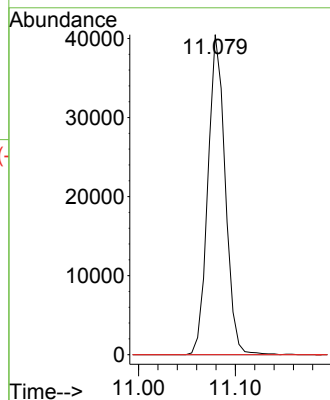
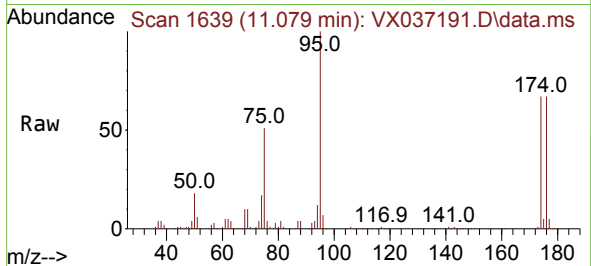




#81
trans-1,4-Dichloro-2-butene
Concen: 71.259 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815DL

Tgt Ion: 75 Resp: 50414
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.957 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037191.D
Acq: 23 Aug 2023 18:18

Tgt Ion:128 Resp: 7409
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.5 8.8 13.2

