

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077145.D
 Acq On : 23 Mar 2023 13:29
 Operator : JC\MD
 Sample : 01849-04DL 2X
 Misc : 10.42g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CB-10-22.0-030823DL

Quant Time: Mar 24 01:34:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

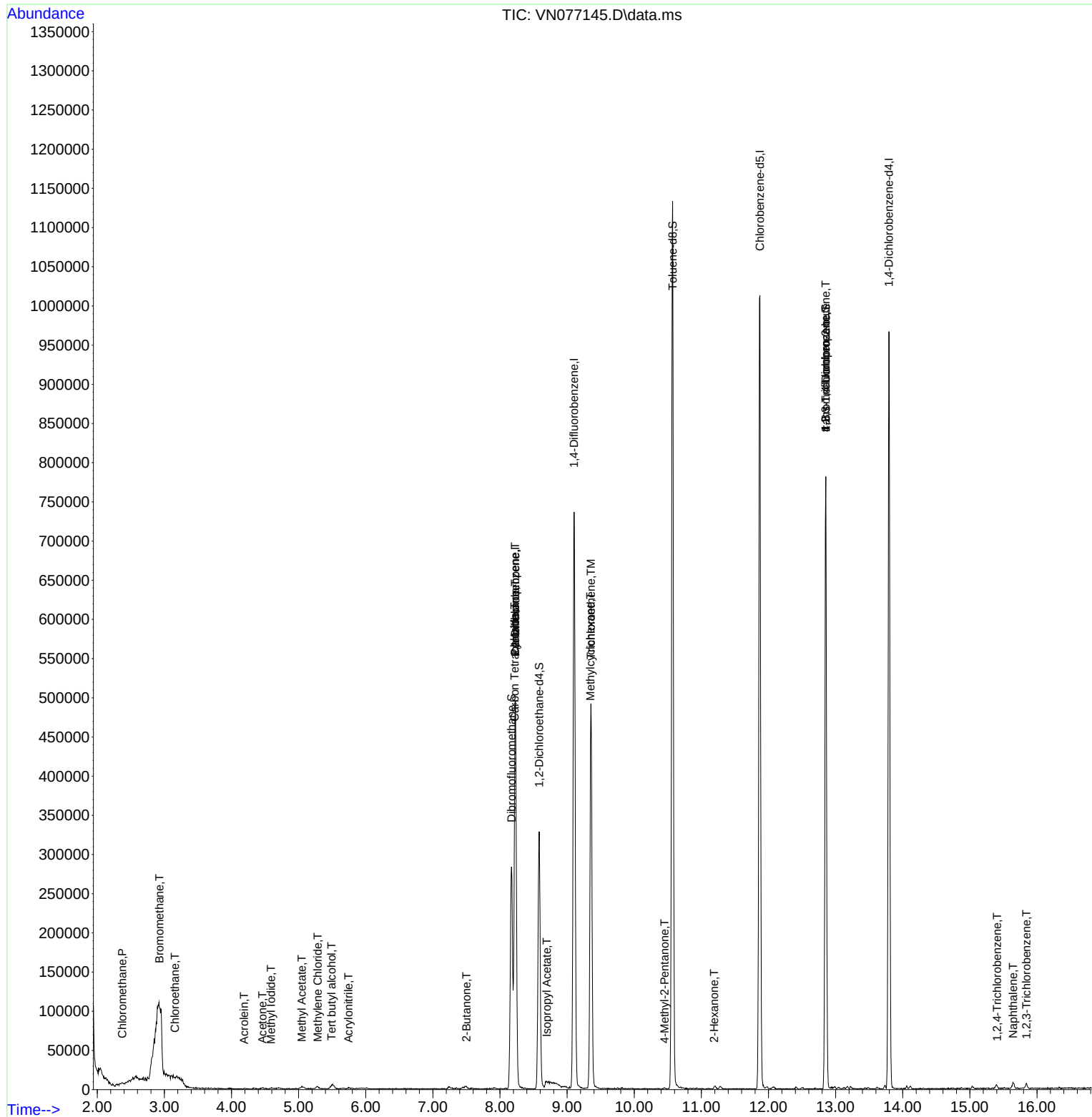
Internal Standards						
1) Pentafluorobenzene	8.230	168	346322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	625955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	560274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	239911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	262758	47.499	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.000%		
35) Dibromofluoromethane	8.172	113	202062	46.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.180%		
50) Toluene-d8	10.572	98	764175	48.801	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.600%		
62) 4-Bromofluorobenzene	12.854	95	248537	44.917	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.840%		
Target Compounds					Qvalue	
3) Chloromethane	2.372	50	755	0.216	ug/l #	43
5) Bromomethane	2.925	94	3109	1.222	ug/l #	43
6) Chloroethane	3.160	64	941	0.395	ug/l #	42
10) Methyl Iodide	4.590	142	1850	0.357	ug/l #	73
11) Tert butyl alcohol	5.489	59	5386	6.682	ug/l #	72
13) Acrolein	4.190	56	361	0.362	ug/l #	50
15) Acrylonitrile	5.742	53	633	0.234	ug/l	89
16) Acetone	4.460	43	2008	0.815	ug/l #	43
18) Methyl Acetate	5.048	43	3972	0.427	ug/l #	90
20) Methylene Chloride	5.284	84	1813	0.339	ug/l #	80
25) 2-Butanone	7.501	43	1097	0.304	ug/l #	49
31) Cyclohexane	8.225	56	10205	1.128	ug/l #	18
36) 1,1-Dichloropropene	8.225	75	33343	4.870	ug/l #	51
38) Carbon Tetrachloride	8.219	117	37852	5.676	ug/l #	16
39) Methylcyclohexane	9.348	83	2740	0.342	ug/l #	10
43) Isopropyl Acetate	8.695	43	6369	0.557	ug/l #	56
44) Trichloroethene	9.354	130	169698	35.579	ug/l	99
51) 4-Methyl-2-Pentanone	10.454	43	1718	0.241	ug/l #	36
59) 2-Hexanone	11.189	43	3237	0.626	ug/l	77
76) 1,2,3-Trichloropropane	12.854	75	142415	22.949	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	142415	63.169	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.406	180	2390	0.583	ug/l	82
95) Naphthalene	15.642	128	6651	2.313	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.842	180	2278	0.553	ug/l	85

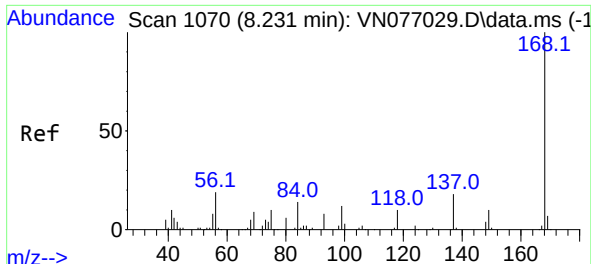
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 01849-04DL 2X
Misc : 10.42g/10mL/100uL/5.0mL/MSVOA_N/MEOH
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Instrument :
MSVOA_N
ClientSampleId :
CB-10-22.0-030823DL

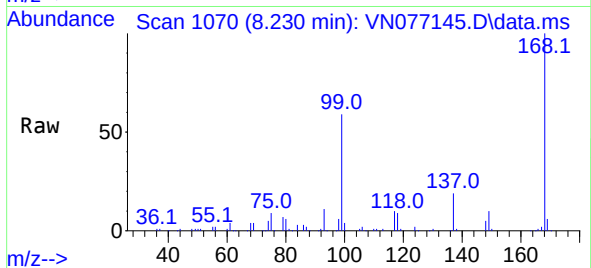
Quant Time: Mar 24 01:34:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



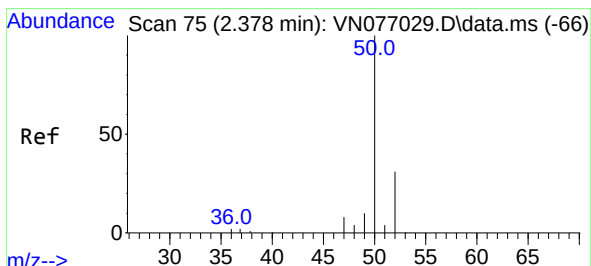
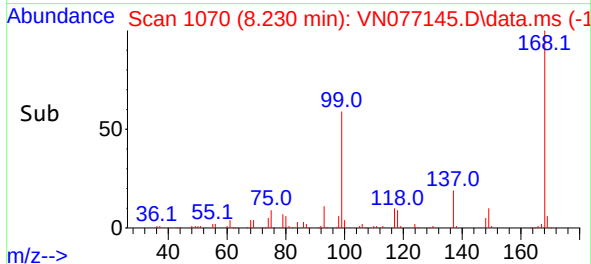
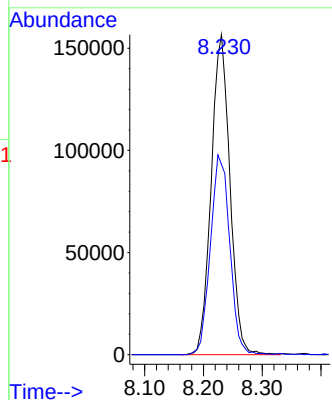


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Instrument :
MSVOA_N
ClientSampleId :
CB-10-22.0-030823DL

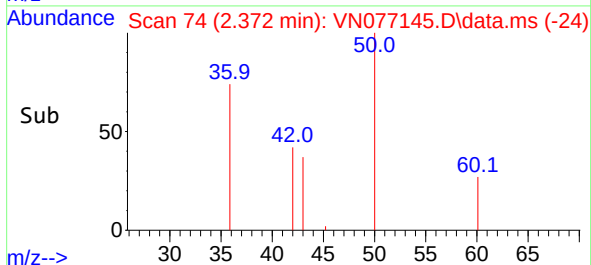
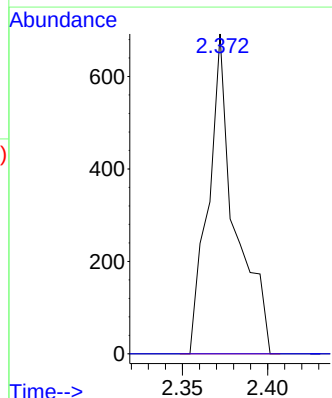
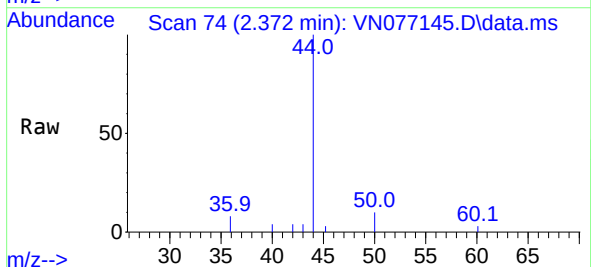


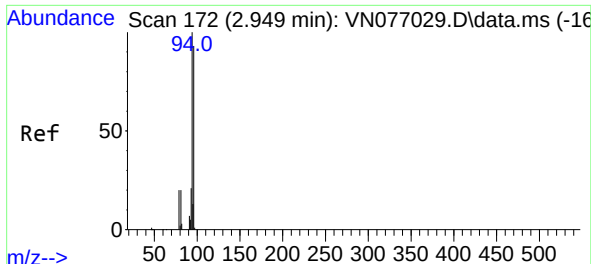
Tgt Ion:168 Resp: 346322
Ion Ratio Lower Upper
168 100
99 59.5 53.9 80.9



#3
Chloromethane
Concen: 0.216 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 50 Resp: 755
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

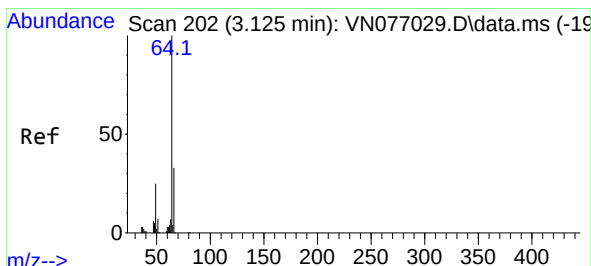
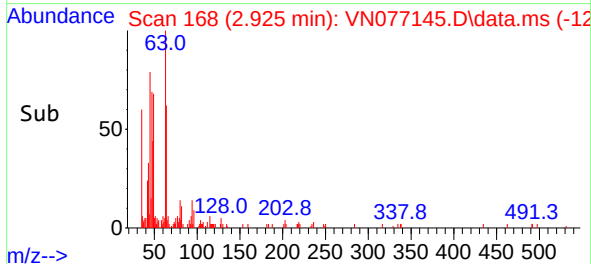
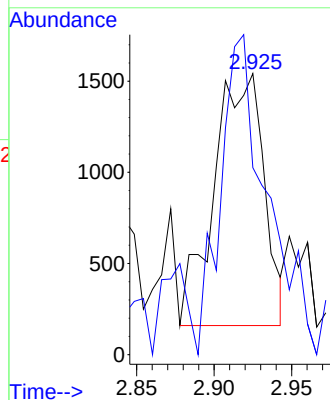
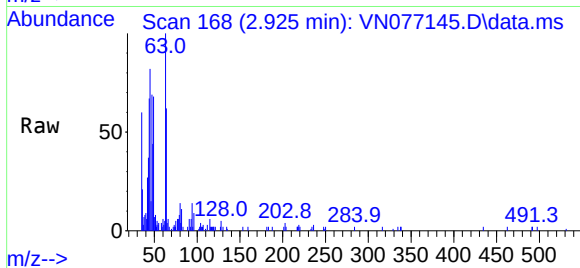




#5
Bromomethane
Concen: 1.222 ug/l
RT: 2.925 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

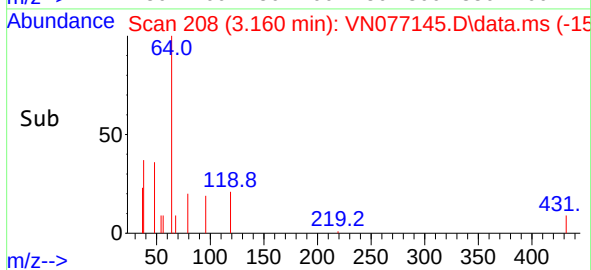
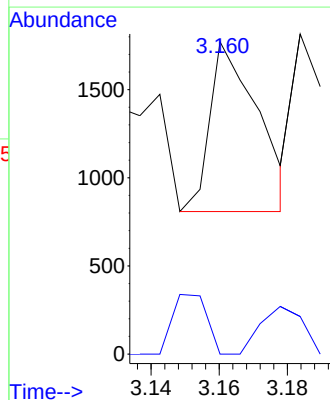
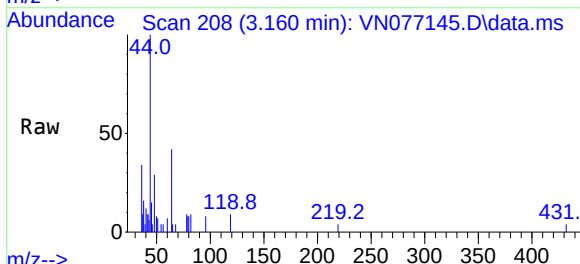
Instrument :
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ClientSampleId :
CB-10-22.0-030823DL

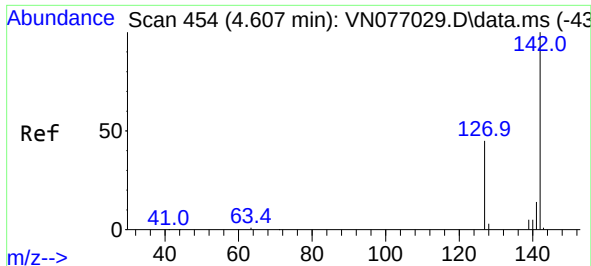
Tgt Ion: 94 Resp: 3109
Ion Ratio Lower Upper
94 100
96 38.1 74.1 111.1#



#6
Chloroethane
Concen: 0.395 ug/l
RT: 3.160 min Scan# 208
Delta R.T. 0.035 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 64 Resp: 941
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

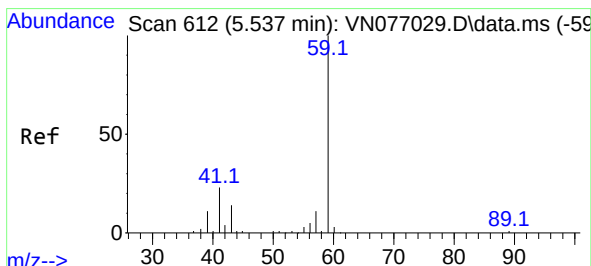
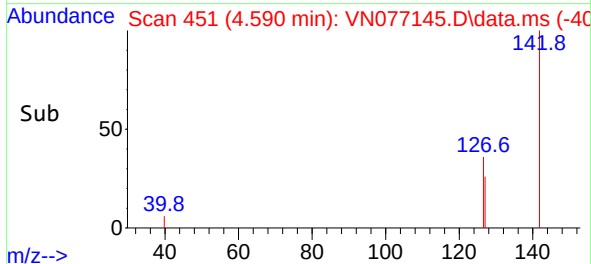
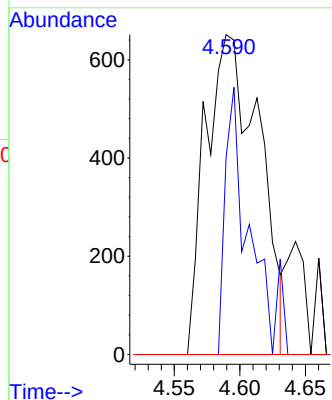
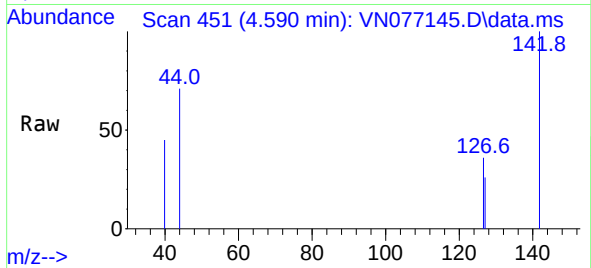




#10
Methyl Iodide
Concen: 0.357 ug/l
RT: 4.590 min Scan# 410
Delta R.T. -0.017 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

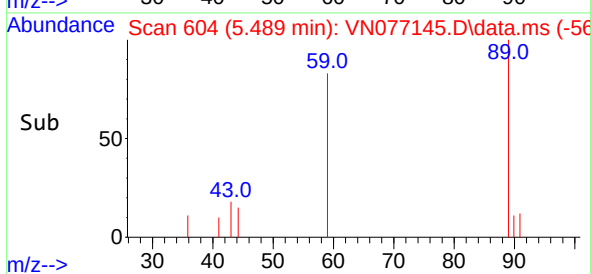
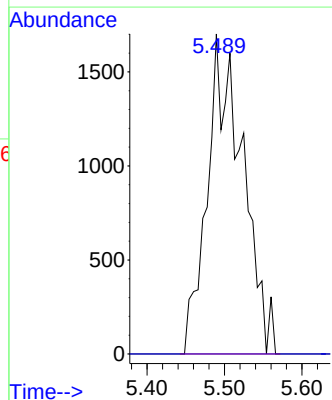
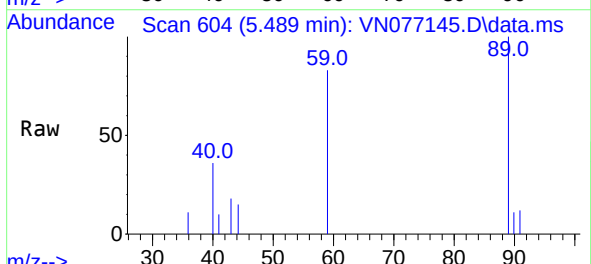
Instrument :
MSVOA_N
ClientSampleId :
CB-10-22.0-030823DL

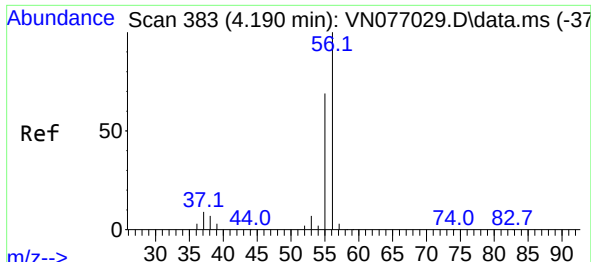
Tgt Ion:142 Resp: 1850
Ion Ratio Lower Upper
142 100
127 61.8 36.1 54.1#
141 0.0 10.8 16.2#



#11
Tert butyl alcohol
Concen: 6.682 ug/l
RT: 5.489 min Scan# 604
Delta R.T. -0.048 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 59 Resp: 5386
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

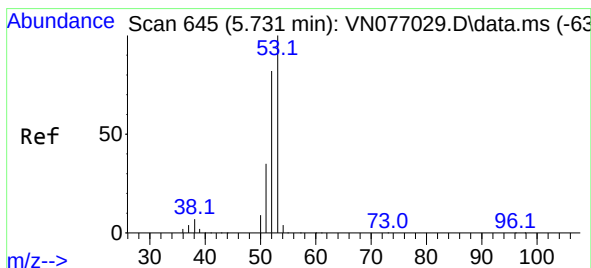
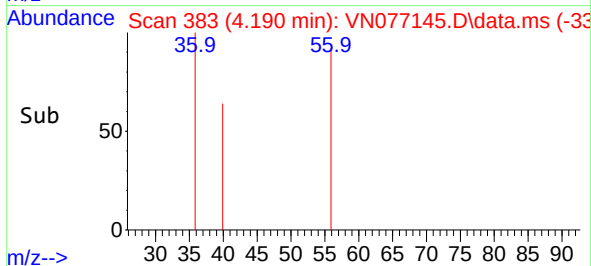
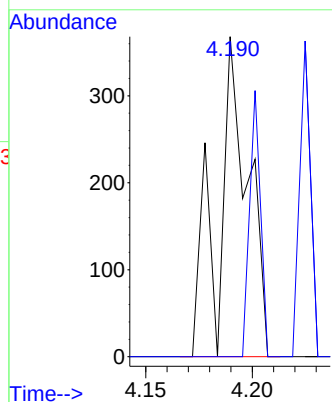
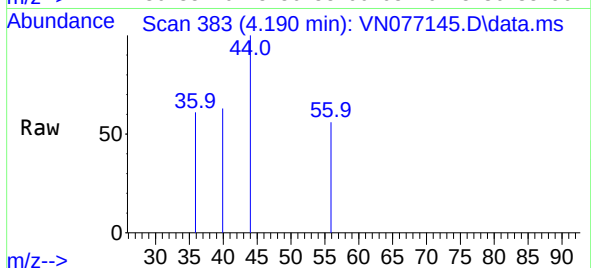




#13
Acrolein
Concen: 0.362 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

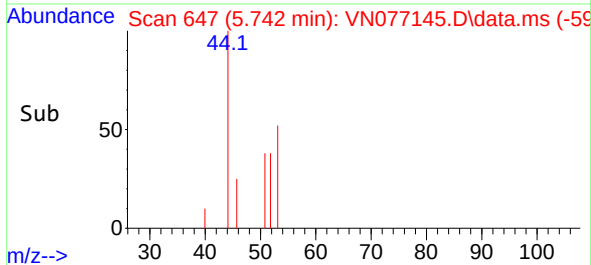
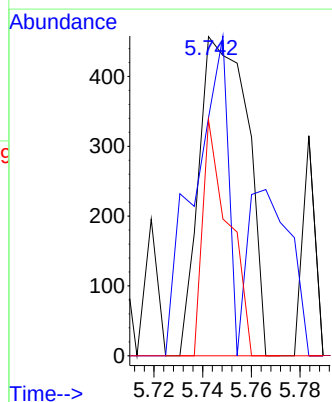
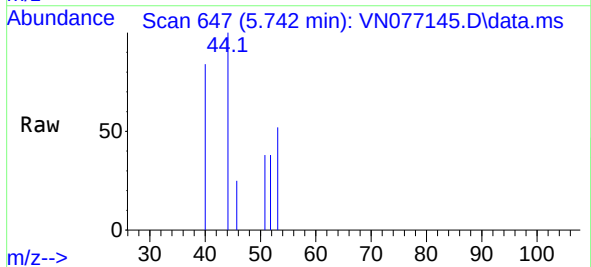
Instrument :
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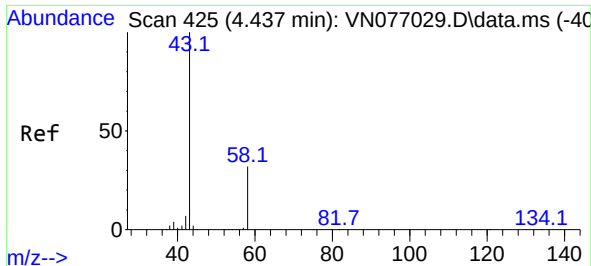
Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
55 29.9 57.0 85.6#



#15
Acrylonitrile
Concen: 0.234 ug/l
RT: 5.742 min Scan# 647
Delta R.T. 0.011 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 53 Resp: 633
Ion Ratio Lower Upper
53 100
52 69.4 64.6 97.0
51 39.7 28.3 42.5

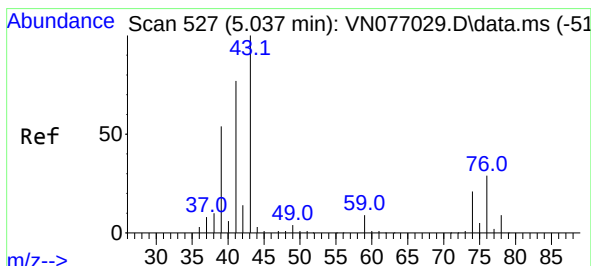
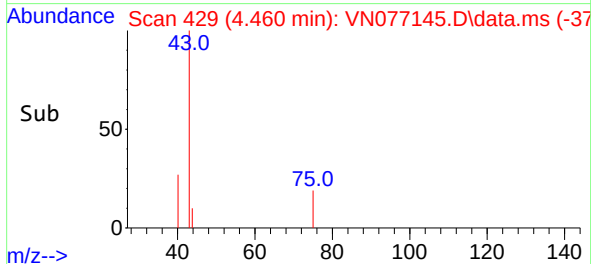
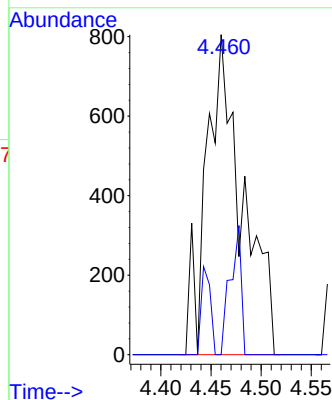
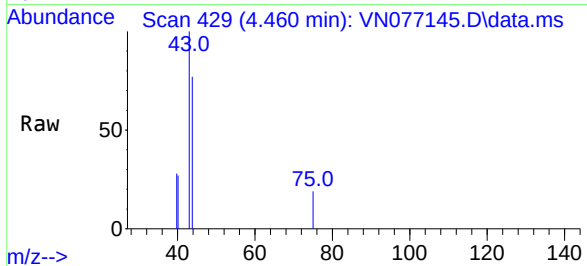




#16
Acetone
Concen: 0.815 ug/l
RT: 4.460 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

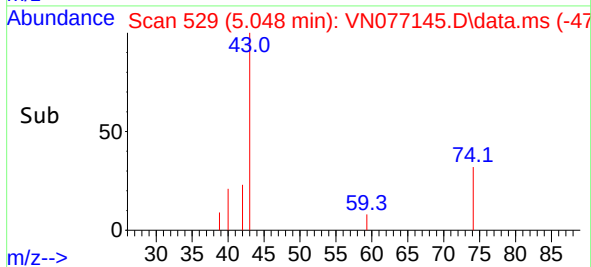
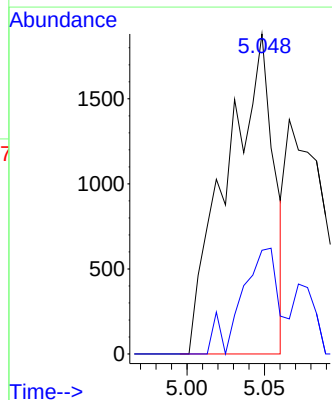
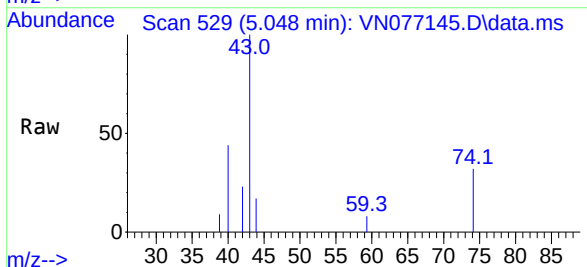
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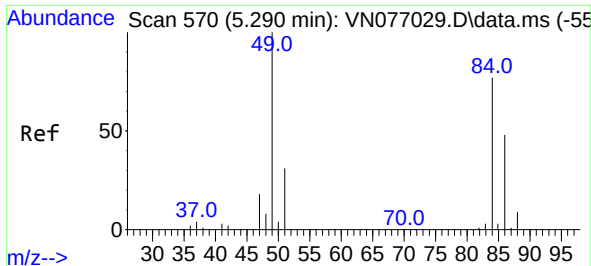
Tgt Ion: 43 Resp: 2008
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#18
Methyl Acetate
Concen: 0.427 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 43 Resp: 3972
Ion Ratio Lower Upper
43 100
74 26.7 17.7 26.5#



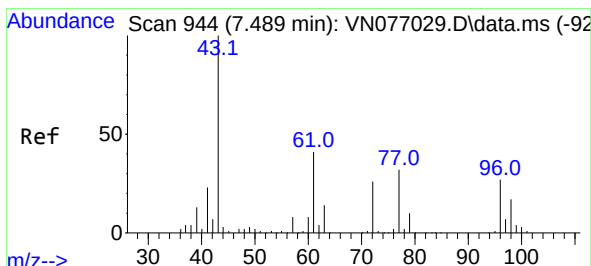
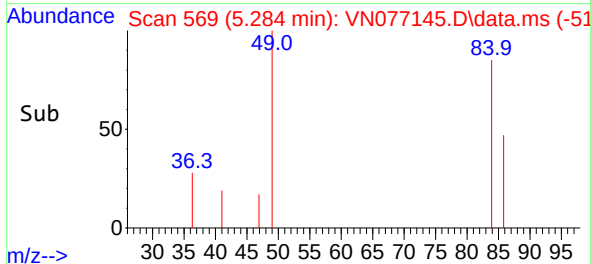
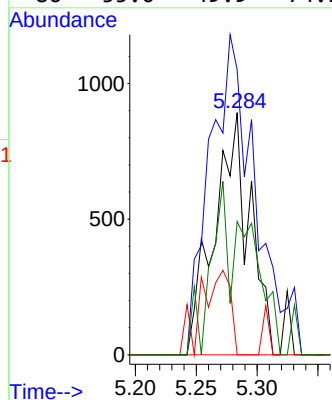
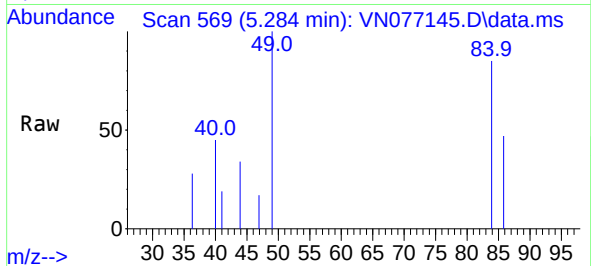


#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 5.284 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Instrument :
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Tgt Ion: 84 Resp: 1813

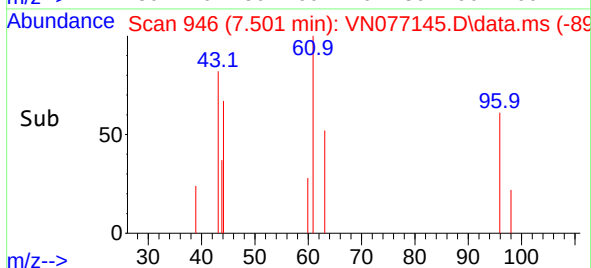
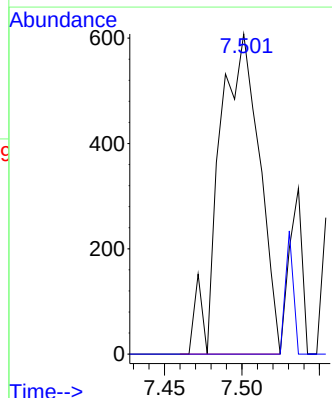
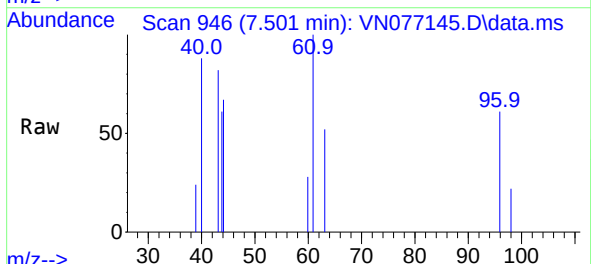
Ion	Ratio	Lower	Upper
84	100		
49	117.7	103.8	155.6
51	0.0	32.3	48.5#
86	55.0	49.9	74.9

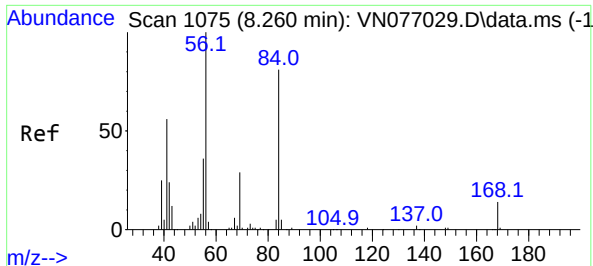


#25
2-Butanone
Concen: 0.304 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 43 Resp: 1097

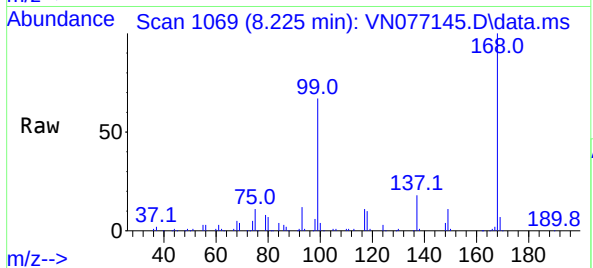
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#



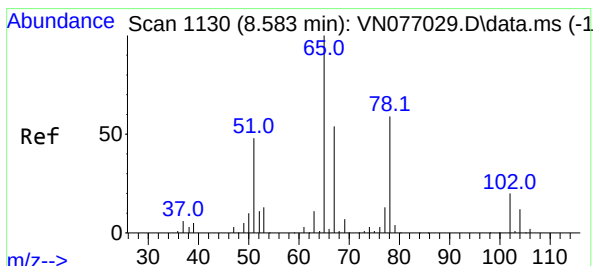
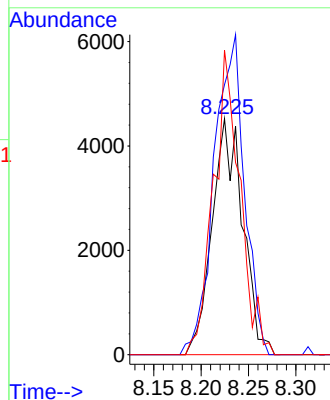
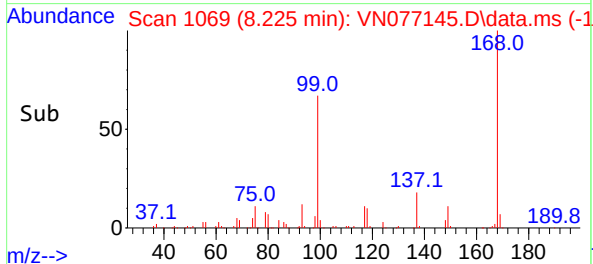


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.225 min Scan# 1075
Delta R.T. -0.035 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Instrument :
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ClientSampleId :
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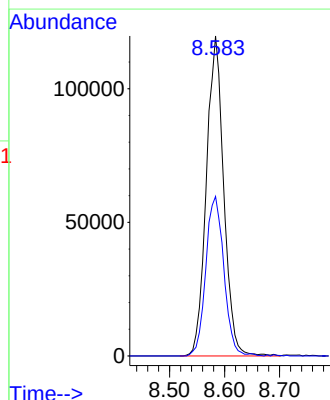
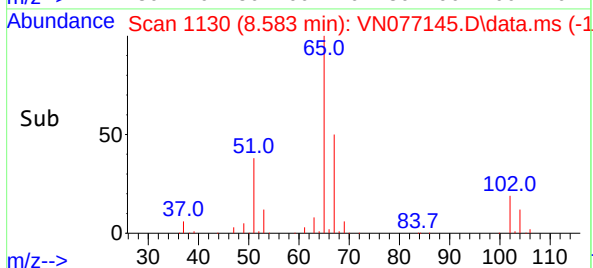
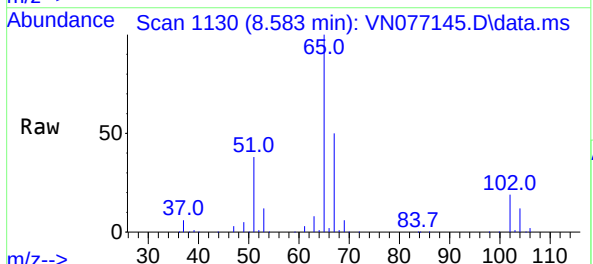


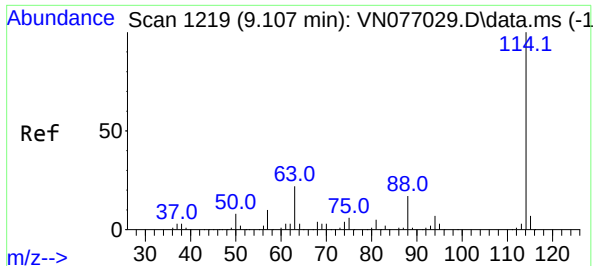
Tgt Ion: 56 Resp: 10205
Ion Ratio Lower Upper
56 100
69 114.5 22.8 34.2#
84 129.0 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 47.499 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 65 Resp: 262758
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077145.D

Acq: 23 Mar 2023 13:29

Instrument :

MSVOA_N

ClientSampleId :

CB-10-22.0-030823DL

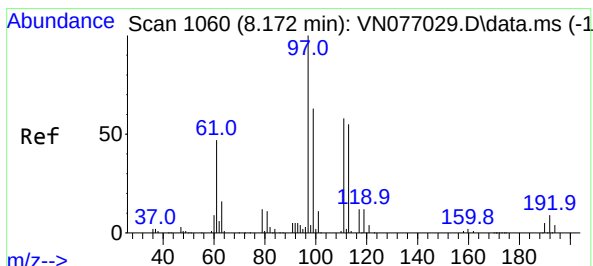
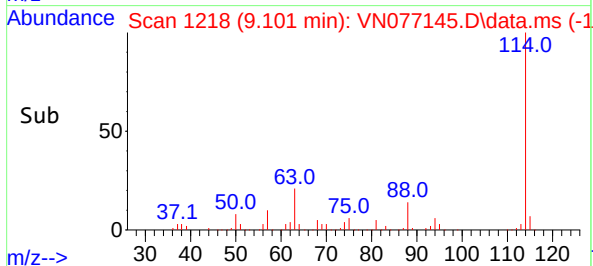
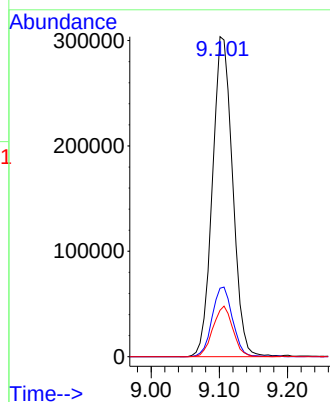
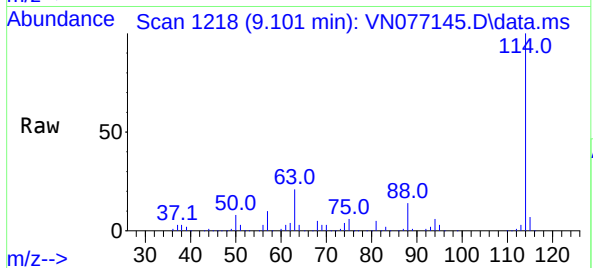
Tgt Ion:114 Resp: 625955

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.6

88 14.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 46.095 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077145.D

Acq: 23 Mar 2023 13:29

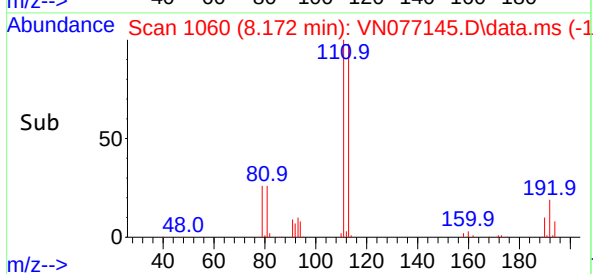
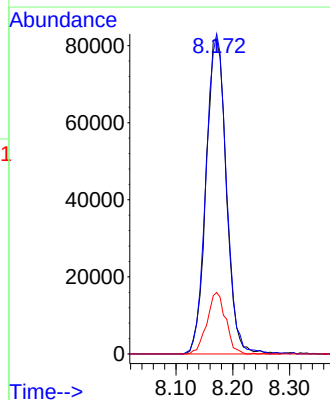
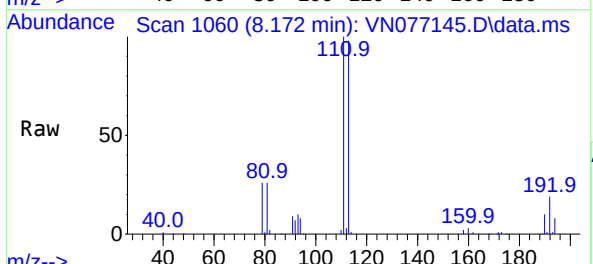
Tgt Ion:113 Resp: 202062

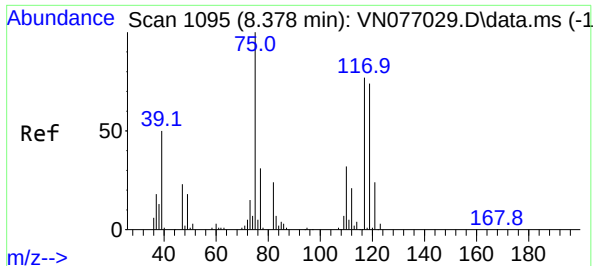
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

192 18.0 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.870 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.153 min

Lab File: VN077145.D

Acq: 23 Mar 2023 13:29

Instrument :

MSVOA_N

ClientSampleId :

CB-10-22.0-030823DL

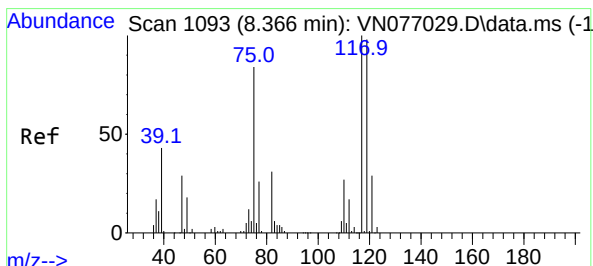
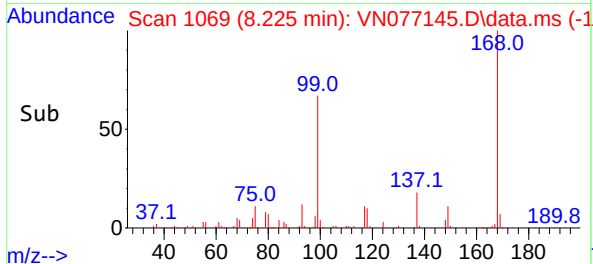
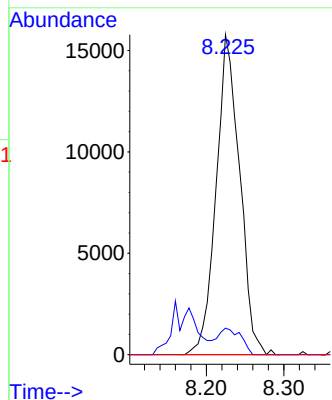
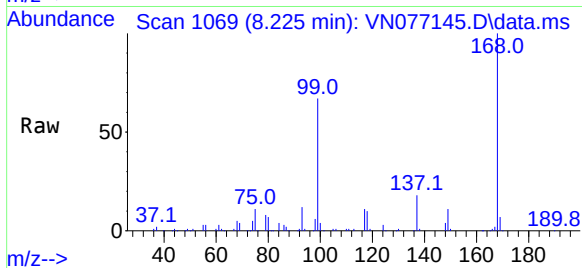
Tgt Ion: 75 Resp: 33343

Ion Ratio Lower Upper

75 100

110 8.0 15.9 47.7#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.676 ug/l

RT: 8.219 min Scan# 1068

Delta R.T. -0.147 min

Lab File: VN077145.D

Acq: 23 Mar 2023 13:29

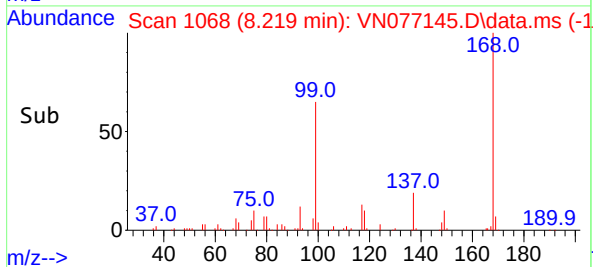
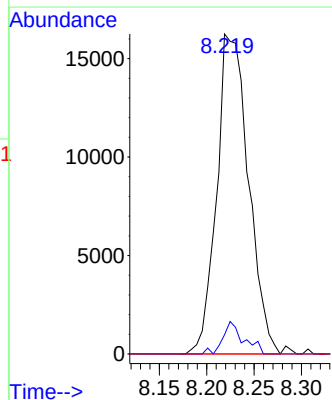
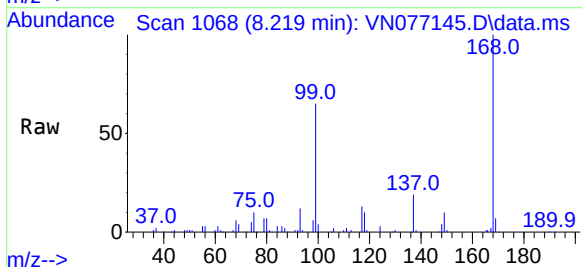
Tgt Ion: 117 Resp: 37852

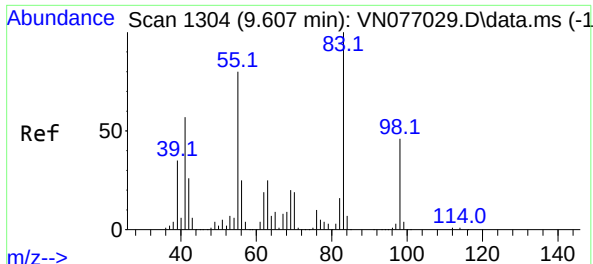
Ion Ratio Lower Upper

117 100

119 6.0 78.2 117.2#

121 0.0 23.2 34.8#





#39

Methylcyclohexane

Concen: 0.342 ug/l

RT: 9.348 min Scan# 11

Delta R.T. -0.259 min

Lab File: VN077145.D

Acq: 23 Mar 2023 13:29

Instrument :

MSVOA_N

ClientSampleId :

CB-10-22.0-030823DL

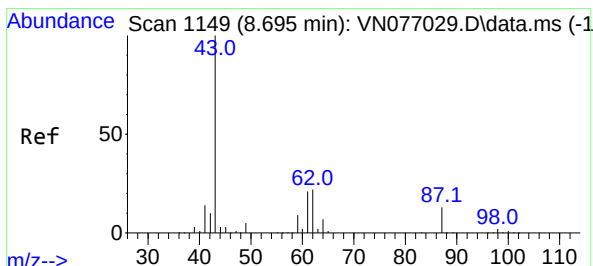
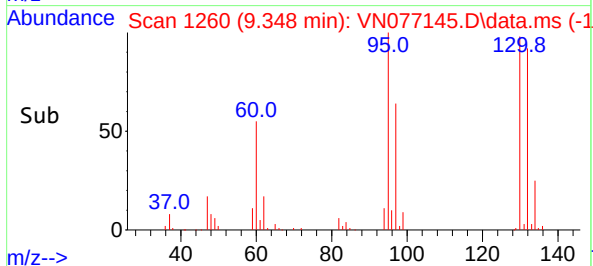
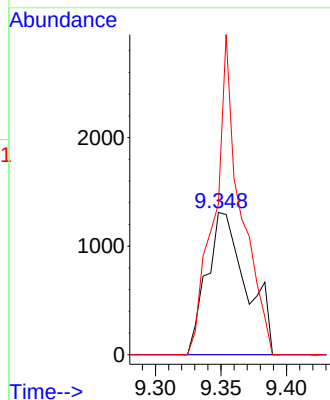
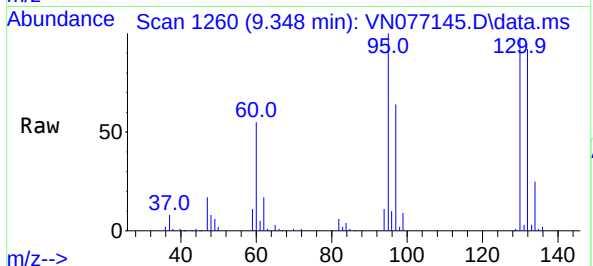
Tgt Ion: 83 Resp: 2740

Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.8#

98 106.1 37.1 55.7#



#43

Isopropyl Acetate

Concen: 0.557 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VN077145.D

Acq: 23 Mar 2023 13:29

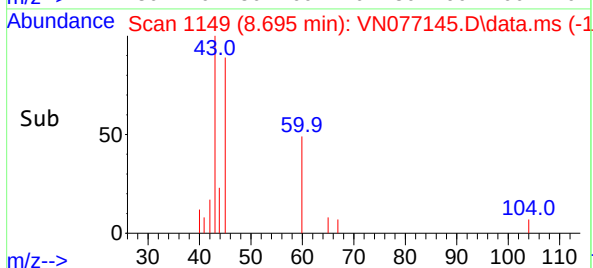
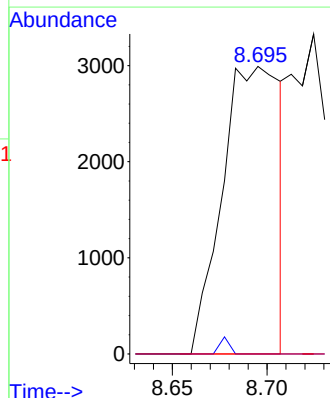
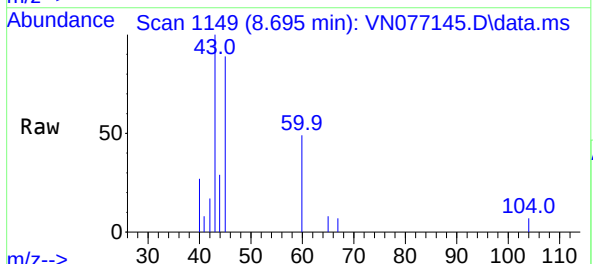
Tgt Ion: 43 Resp: 6369

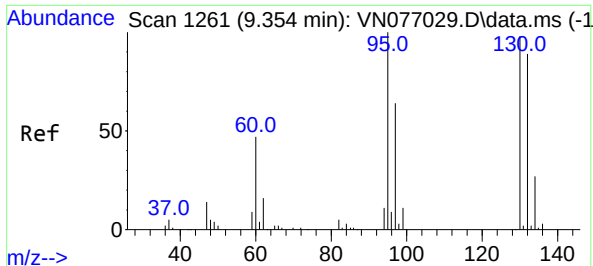
Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 10.0 15.0#

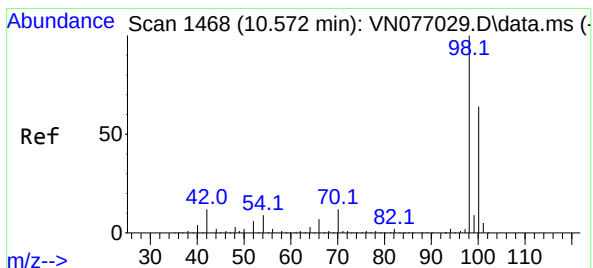
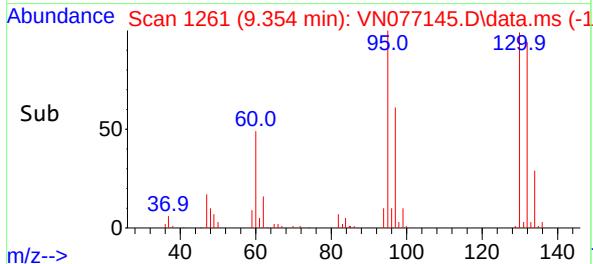
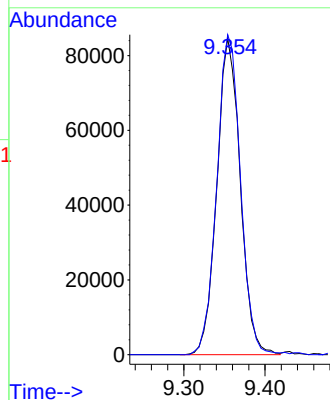
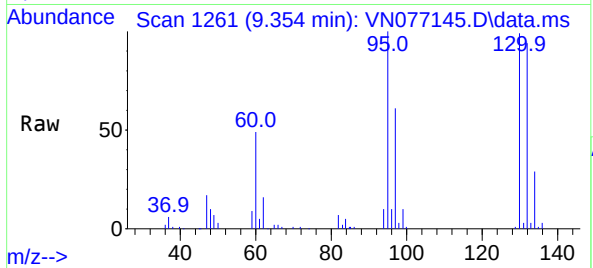




#44
Trichloroethene
Concen: 35.579 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

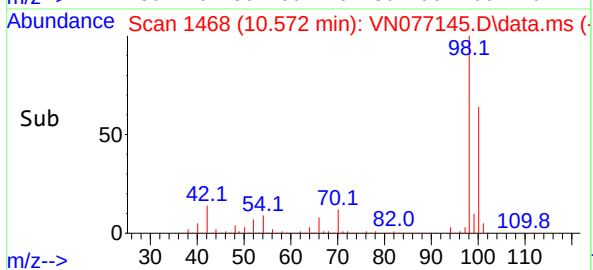
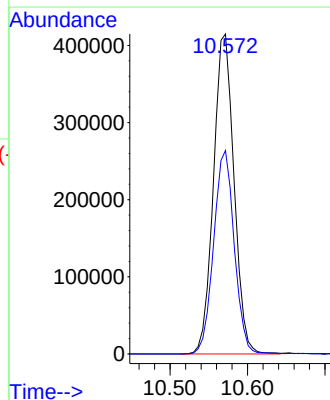
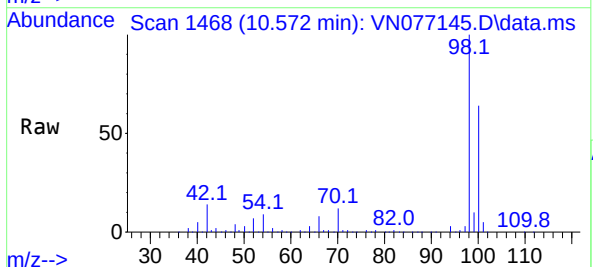
Instrument :
MSVOA_N
ClientSampleId :
CB-10-22.0-030823DL

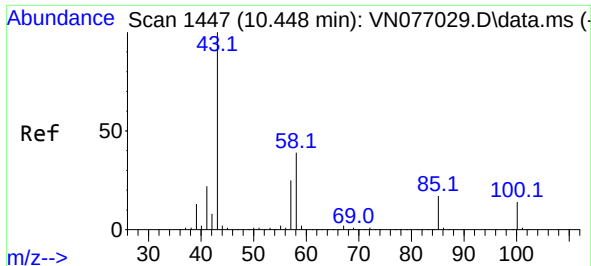
Tgt Ion:130 Resp: 169698
Ion Ratio Lower Upper
130 100
95 101.1 0.0 204.4



#50
Toluene-d8
Concen: 48.801 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 98 Resp: 764175
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 10.454 min Scan# 1447

Delta R.T. 0.006 min

Lab File: VN077145.D

Acq: 23 Mar 2023 13:29

Instrument :

MSVOA_N

ClientSampleId :

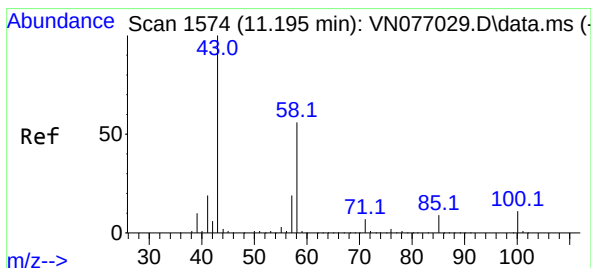
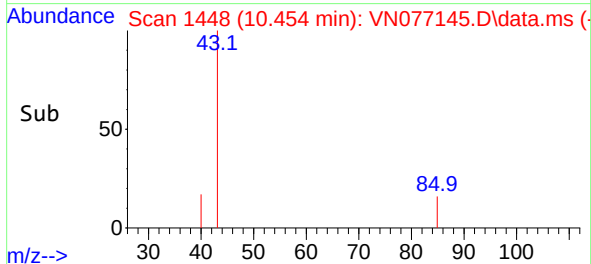
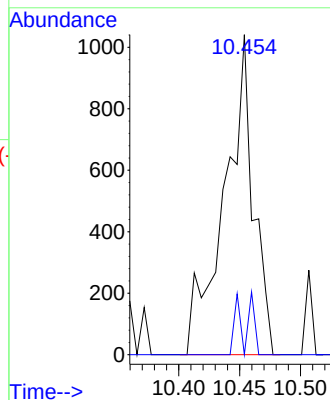
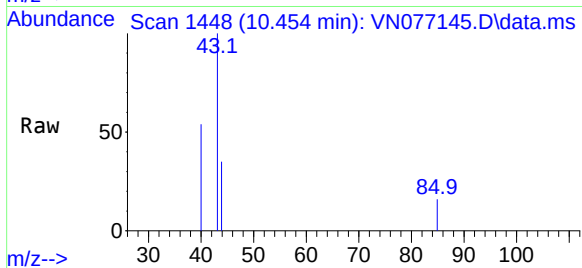
CB-10-22.0-030823DL

Tgt Ion: 43 Resp: 1718

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



#59

2-Hexanone

Concen: 0.626 ug/l

RT: 11.189 min Scan# 1573

Delta R.T. -0.006 min

Lab File: VN077145.D

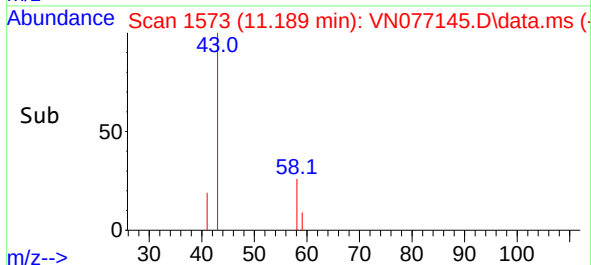
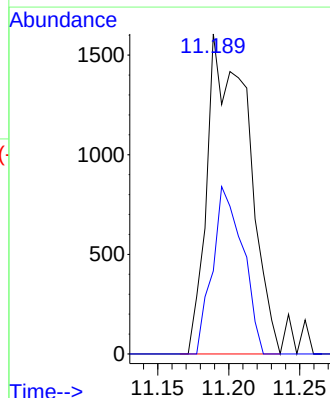
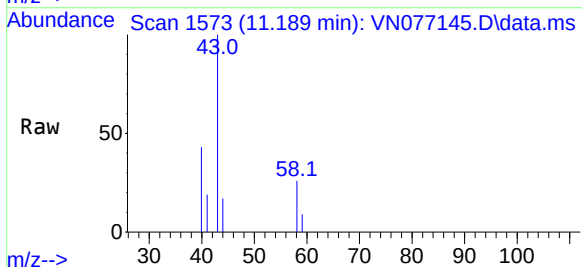
Acq: 23 Mar 2023 13:29

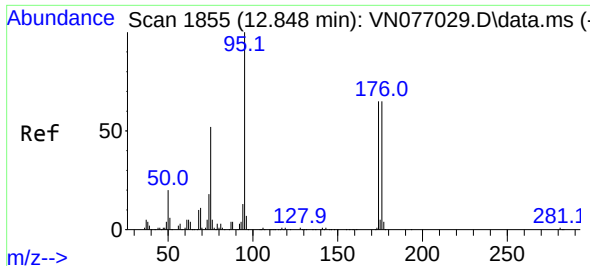
Tgt Ion: 43 Resp: 3237

Ion Ratio Lower Upper

43 100

58 38.4 27.7 83.1

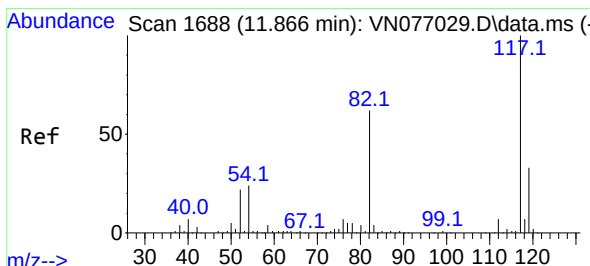
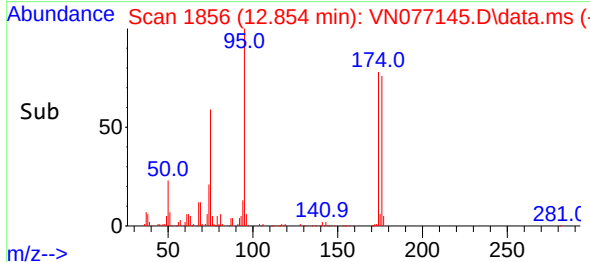
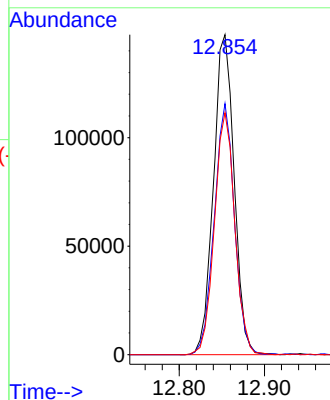
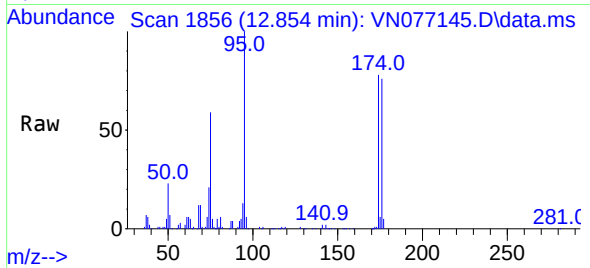




#62
4-Bromofluorobenzene
Concen: 44.917 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

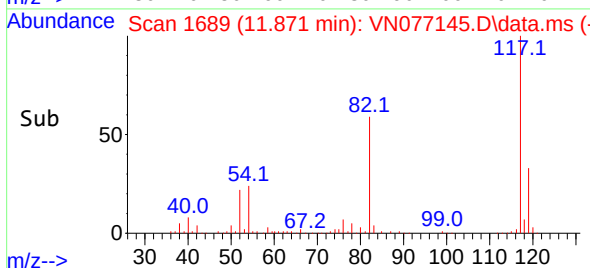
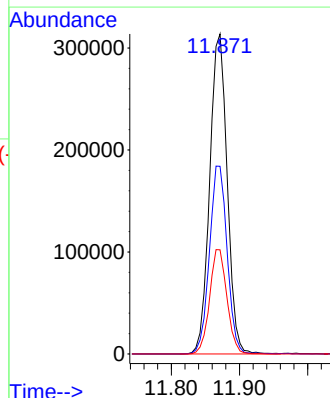
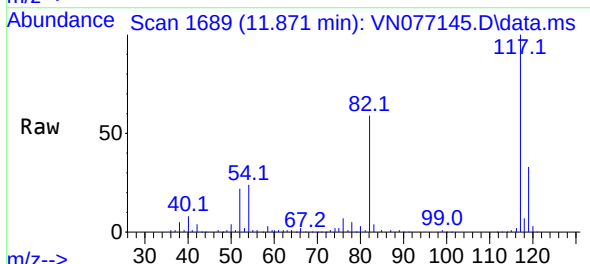
Instrument :
MSVOA_N
ClientSampleId :
CB-10-22.0-030823DL

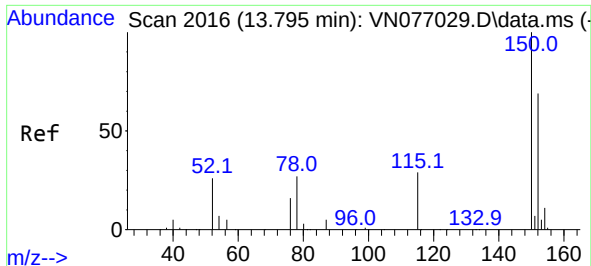
Tgt Ion: 95 Resp: 248537
Ion Ratio Lower Upper
95 100
174 76.9 0.0 136.6
176 74.4 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion: 117 Resp: 560274
Ion Ratio Lower Upper
117 100
82 58.7 49.4 74.0
119 32.5 26.5 39.7

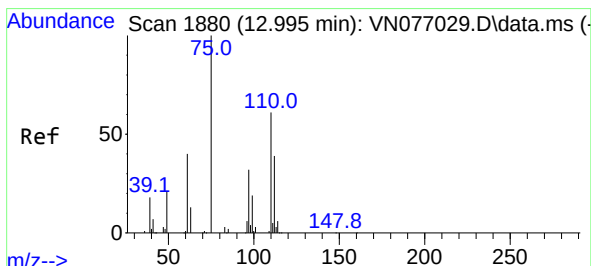
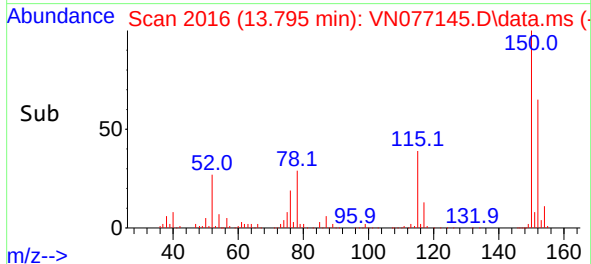
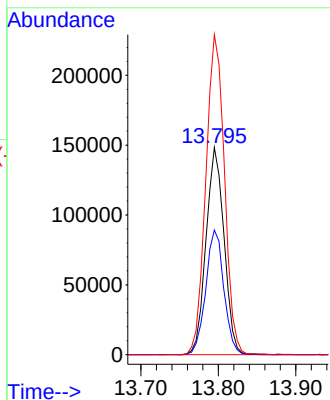
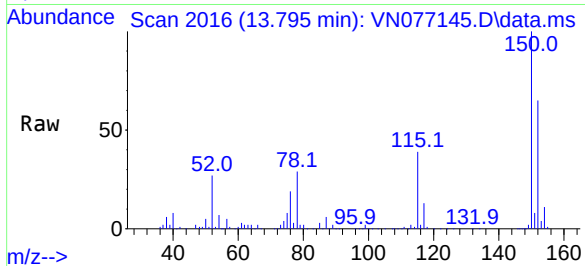




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN077145.D
 Acq: 23 Mar 2023 13:29

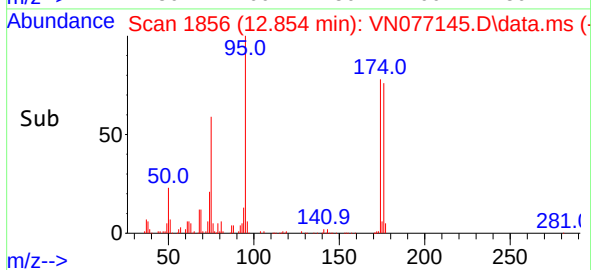
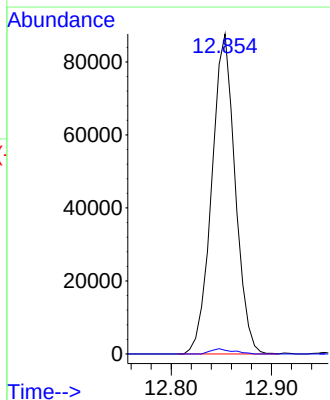
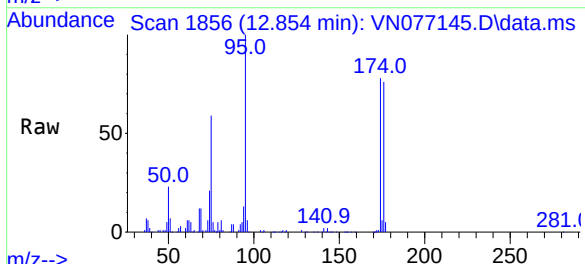
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-10-22.0-030823DL

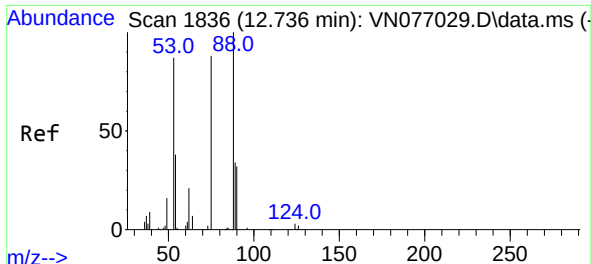
Tgt Ion:152 Resp: 239911
 Ion Ratio Lower Upper
 152 100
 115 60.3 31.9 95.7
 150 159.7 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 22.949 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN077145.D
 Acq: 23 Mar 2023 13:29

Tgt Ion: 75 Resp: 142415
 Ion Ratio Lower Upper
 75 100
 77 1.5 107.3 322.0#

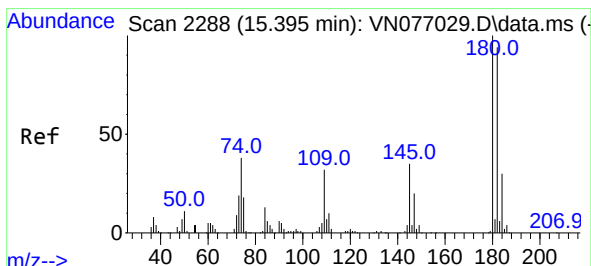
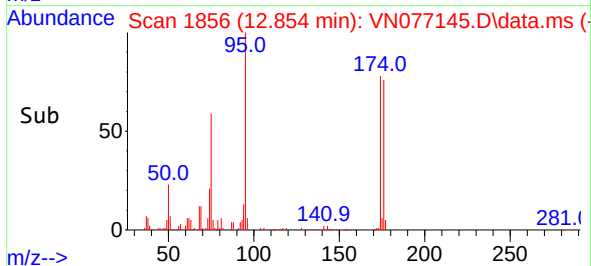
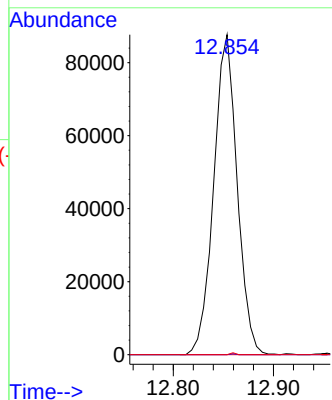
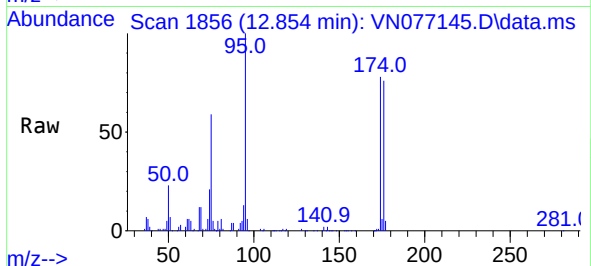




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.169 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077145.D
 Acq: 23 Mar 2023 13:29

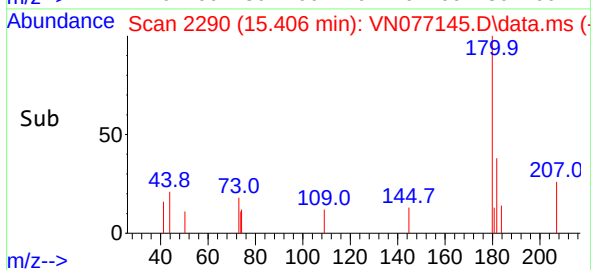
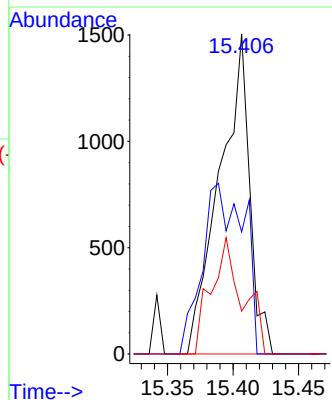
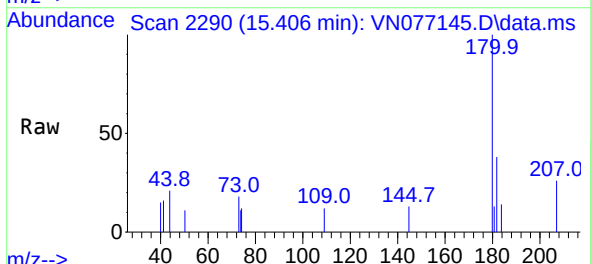
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-10-22.0-030823DL

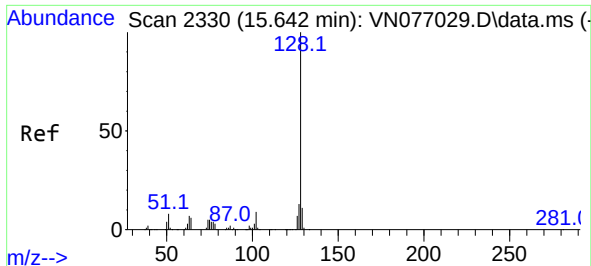
Tgt Ion: 75 Resp: 142415
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.8 121.2#
 89 0.1 34.2 51.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.583 ug/l
 RT: 15.406 min Scan# 2290
 Delta R.T. 0.011 min
 Lab File: VN077145.D
 Acq: 23 Mar 2023 13:29

Tgt Ion:180 Resp: 2390
 Ion Ratio Lower Upper
 180 100
 182 73.8 47.3 141.9
 145 38.2 16.9 50.7

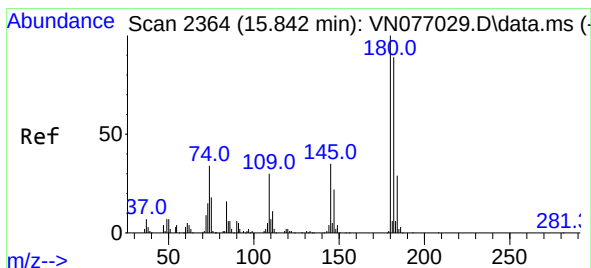
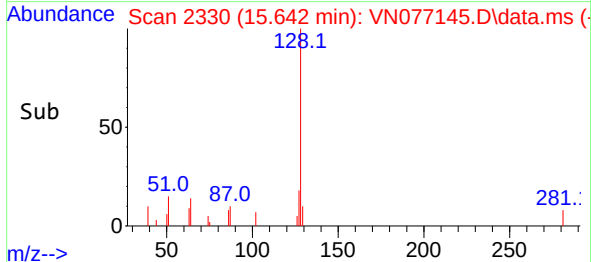
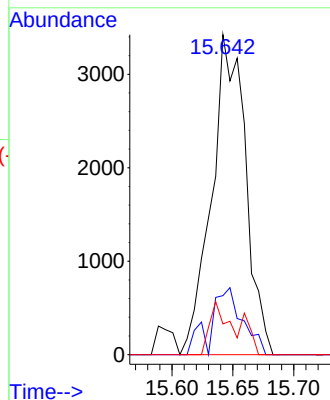
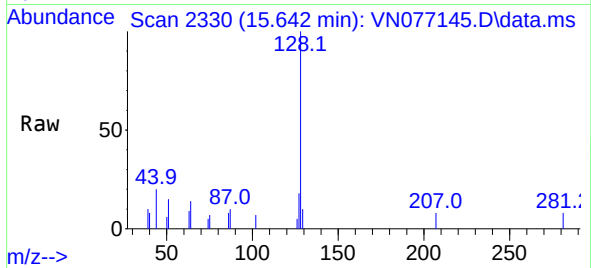




#95
Naphthalene
Concen: 2.313 ug/l
RT: 15.642 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Instrument :
MSVOA_N
ClientSampleId :
CB-10-22.0-030823DL

Tgt Ion:128 Resp: 6651
Ion Ratio Lower Upper
128 100
127 19.8 10.0 15.0#
129 9.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.553 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077145.D
Acq: 23 Mar 2023 13:29

Tgt Ion:180 Resp: 2278
Ion Ratio Lower Upper
180 100
182 111.1 47.4 142.2
145 30.2 17.9 53.8

