

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076944.D
 Acq On : 10 Mar 2023 23:15
 Operator : JC\MD
 Sample : 01833-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 11

Quant Time: Mar 13 01:27:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

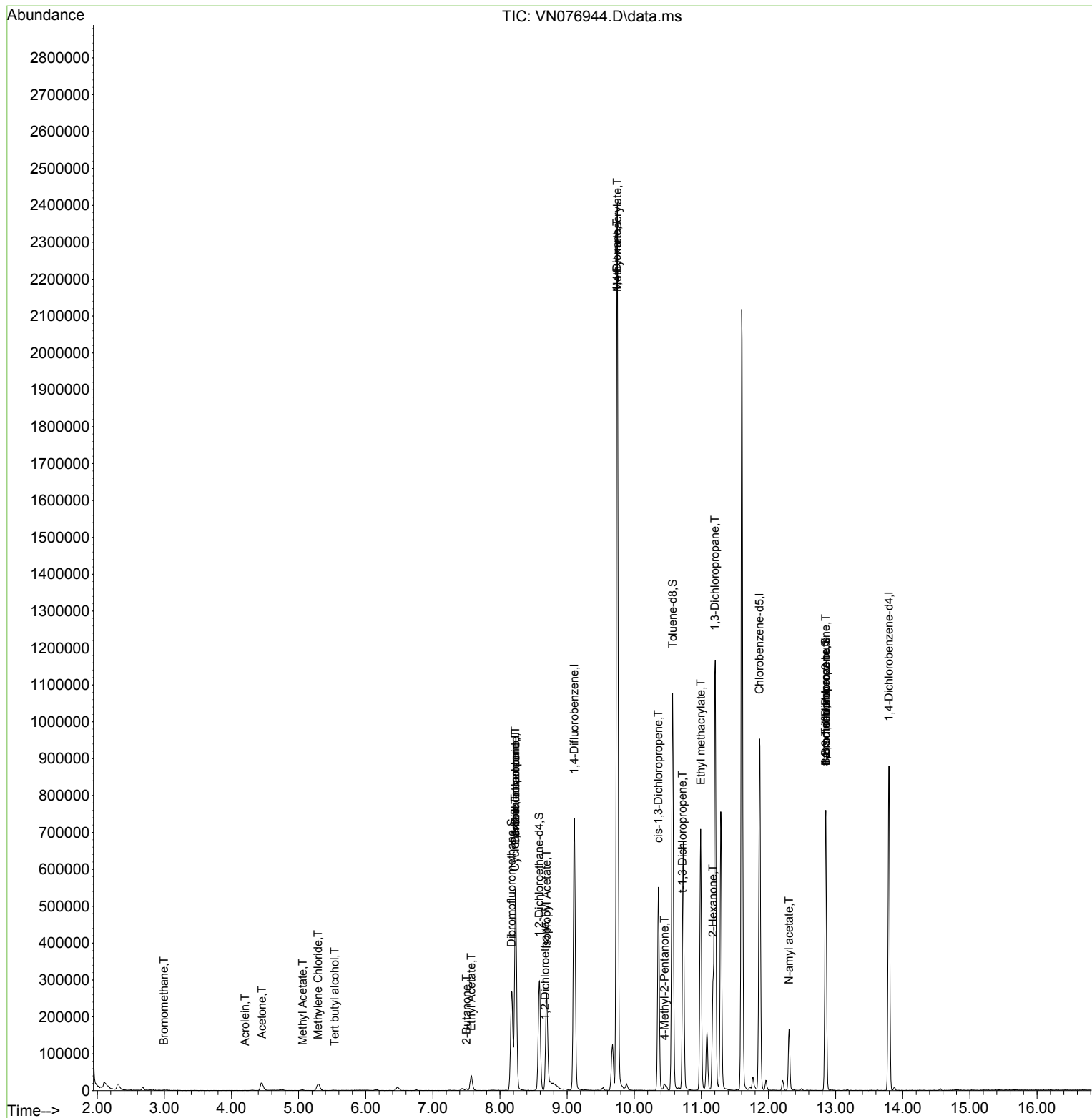
Internal Standards						
1) Pentafluorobenzene	8.230	168	373269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	618389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	544765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	234683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	270830	48.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.240%		
35) Dibromofluoromethane	8.172	113	192779	46.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.560%		
50) Toluene-d8	10.572	98	743550	48.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.900%		
62) 4-Bromofluorobenzene	12.854	95	269391	48.489	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.980%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.996	94	538	0.217	ug/l #	44
11) Tert butyl alcohol	5.537	59	454	0.586	ug/l #	72
13) Acrolein	4.201	56	205	0.294	ug/l #	54
16) Acetone	4.454	43	42223	21.875	ug/l #	88
18) Methyl Acetate	5.060	43	3747	0.526	ug/l #	67
20) Methylene Chloride	5.290	84	15853	3.194	ug/l	95
25) 2-Butanone	7.501	43	7055	2.570	ug/l #	87
31) Cyclohexane	8.225	56	8407	1.052	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	31539	4.948	ug/l #	49
37) Ethyl Acetate	7.572	43	58889	11.553	ug/l	99
38) Carbon Tetrachloride	8.230	117	42492	5.696	ug/l #	16
42) 1,2-Dichloroethane	8.672	62	2009	0.274	ug/l #	71
43) Isopropyl Acetate	8.695	43	309274	34.370	ug/l #	79
48) Methyl methacrylate	9.748	41	232322	52.693	ug/l #	28
49) 1,4-Dioxane	9.742	88	400	4.791	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	18139	3.356	ug/l #	70
53) t-1,3-Dichloropropene	10.719	75	1623	0.238	ug/l #	1
54) cis-1,3-Dichloropropene	10.360	75	101146	13.488	ug/l #	71
56) Ethyl methacrylate	10.989	69	2689	0.394	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	13038	1.643	ug/l #	42
59) 2-Hexanone	11.171	43	218565	55.455	ug/l #	17
71) Bromoform	12.854	173	1438	0.417	ug/l #	1
74) N-amyl acetate	12.307	43	52851	7.633	ug/l #	42
76) 1,2,3-Trichloropropane	12.854	75	149467	26.270	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	149467	85.810	ug/l #	15

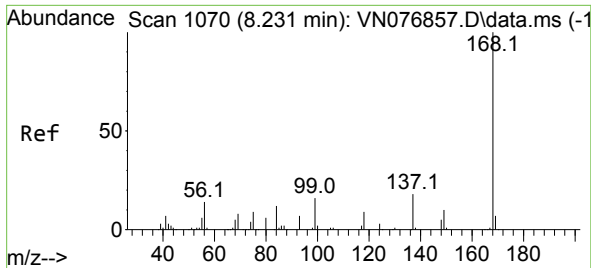
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

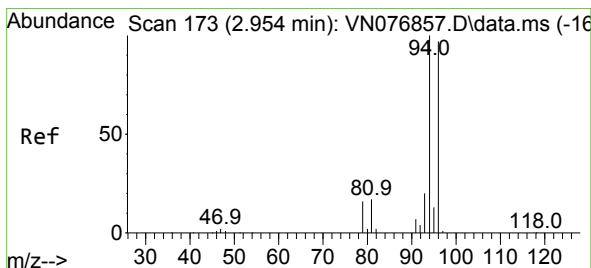
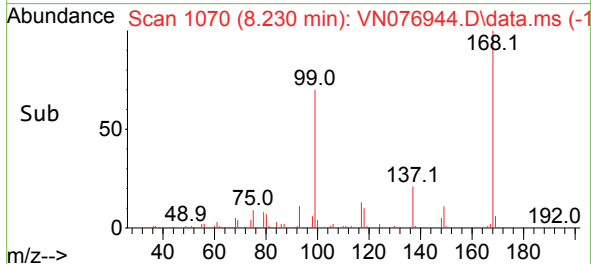
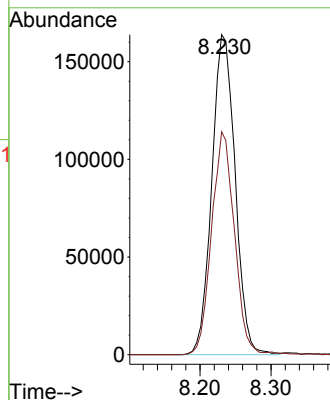
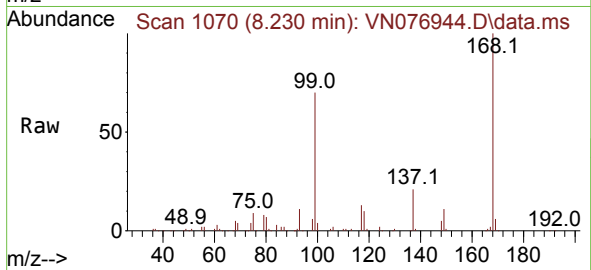




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

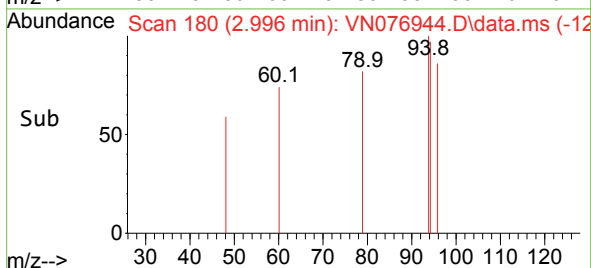
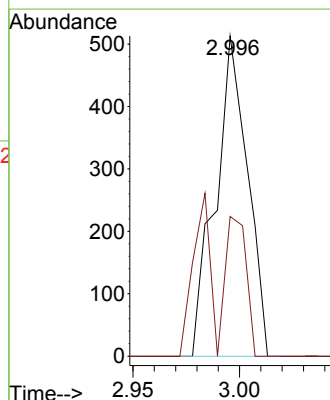
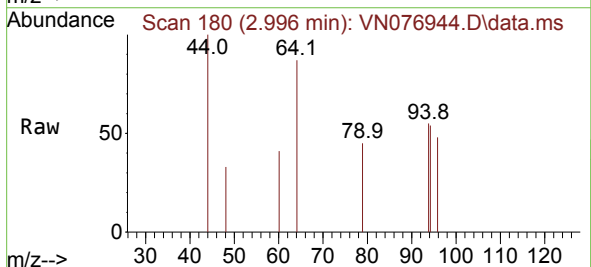
Instrument :
MSVOA_N
ClientSampleId :
11

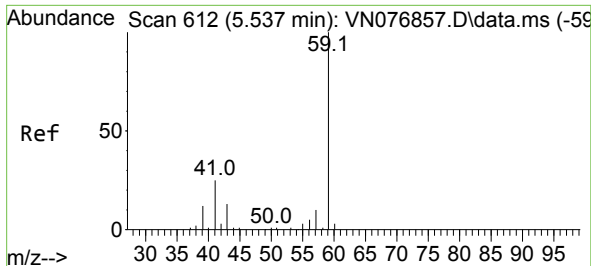
Tgt Ion:168 Resp: 373269
Ion Ratio Lower Upper
168 100
99 69.6 48.6 73.0



#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.996 min Scan# 180
Delta R.T. 0.041 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 94 Resp: 538
Ion Ratio Lower Upper
94 100
96 43.7 79.0 118.6#

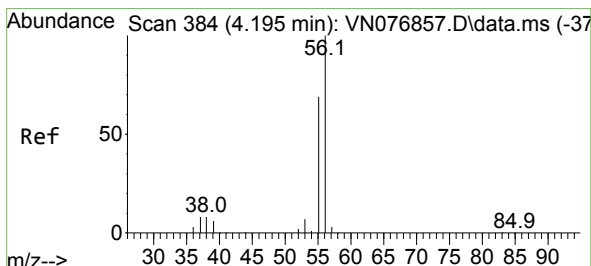
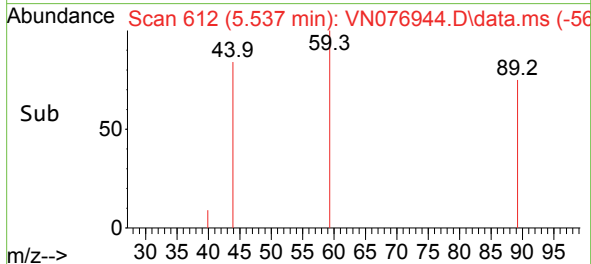
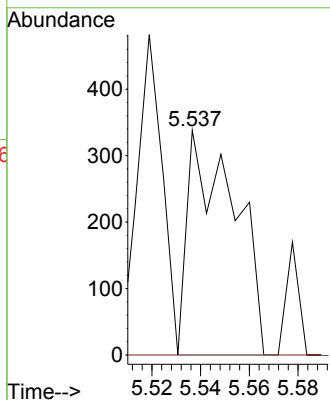
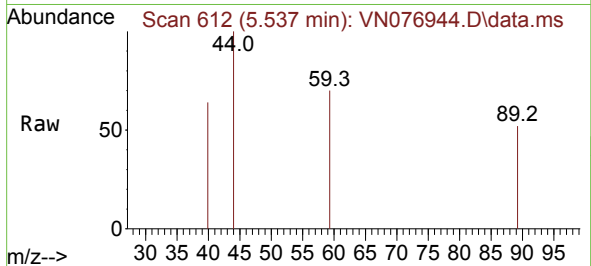




#11
Tert butyl alcohol
Concen: 0.586 ug/l
RT: 5.537 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

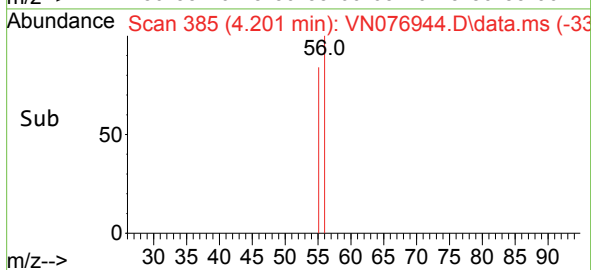
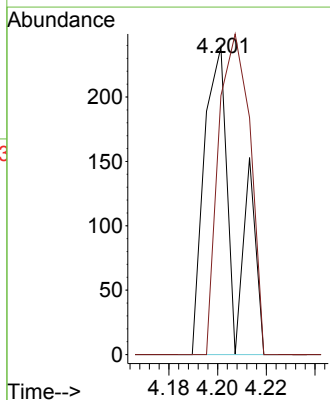
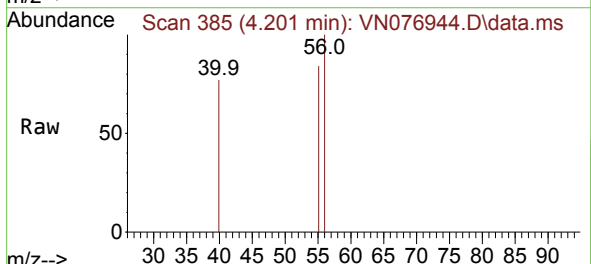
Instrument :
MSVOA_N
ClientSampleId :
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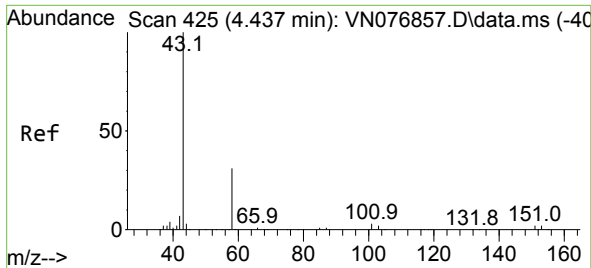
Tgt Ion: 59 Resp: 454
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.294 ug/l
RT: 4.201 min Scan# 385
Delta R.T. 0.012 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 109.3 56.7 85.1#

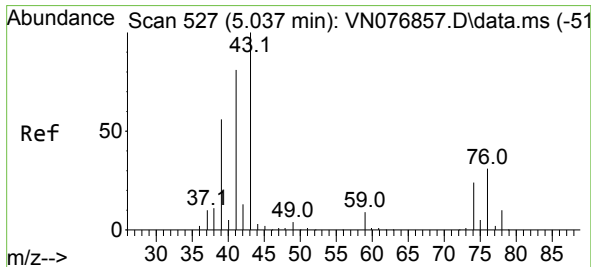
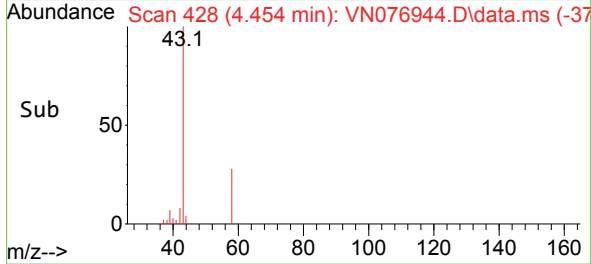
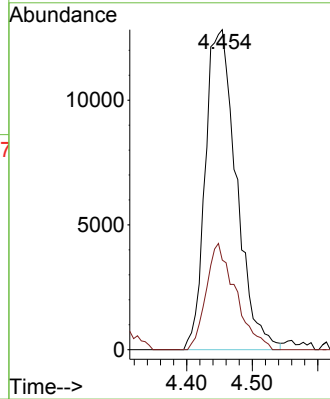
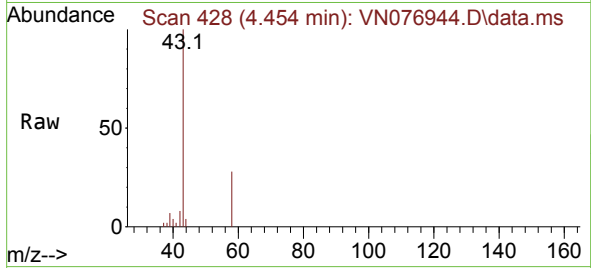




#16
Acetone
Concen: 21.875 ug/l
RT: 4.454 min Scan# 411
Delta R.T. 0.017 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

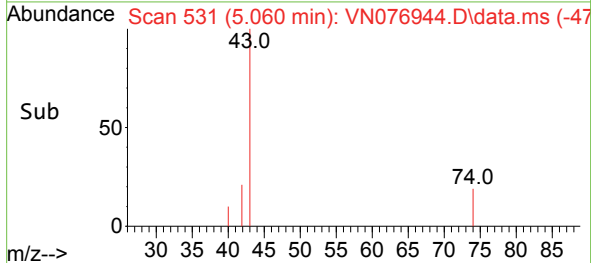
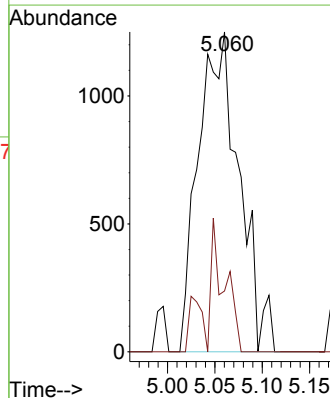
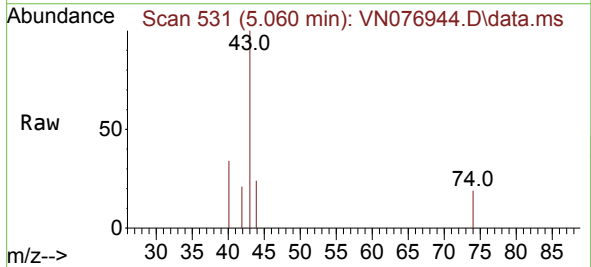
Instrument :
MSVOA_N
ClientSampleId :
11

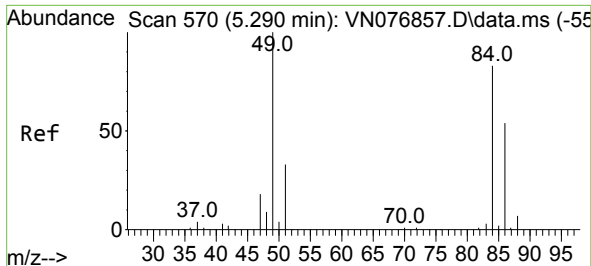
Tgt Ion: 43 Resp: 42223
Ion Ratio Lower Upper
43 100
58 28.0 28.2 42.2#



#18
Methyl Acetate
Concen: 0.526 ug/l
RT: 5.060 min Scan# 531
Delta R.T. 0.017 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 43 Resp: 3747
Ion Ratio Lower Upper
43 100
74 13.7 25.9 38.9#

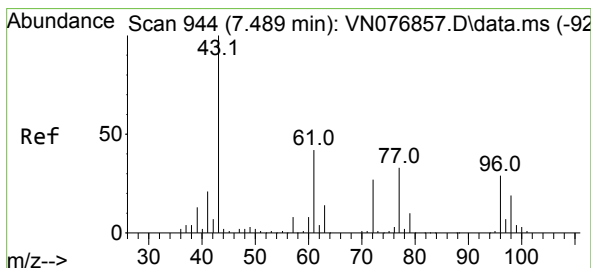
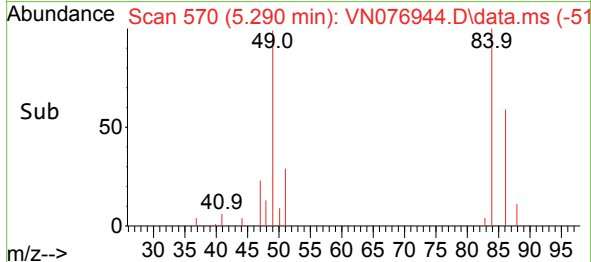
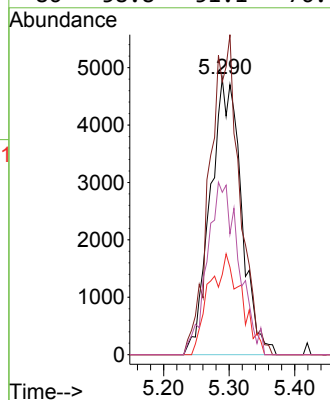
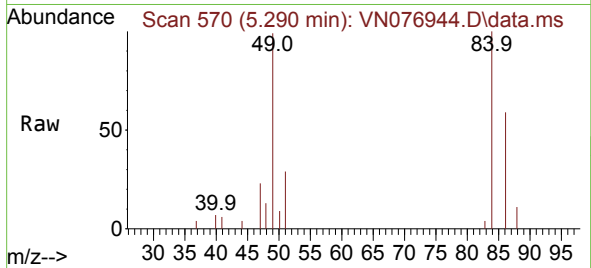




#20
Methylene Chloride
Concen: 3.194 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

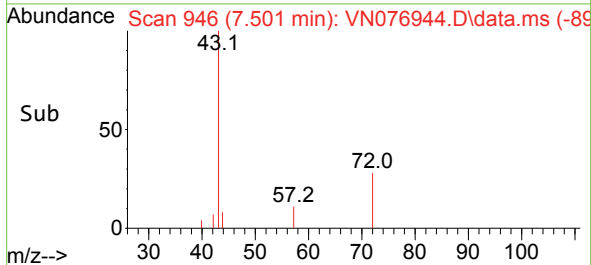
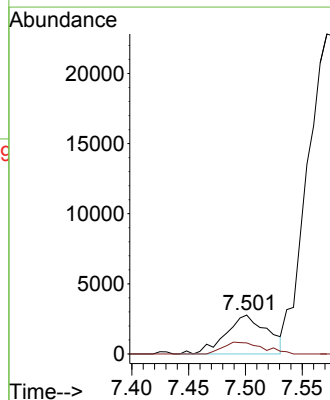
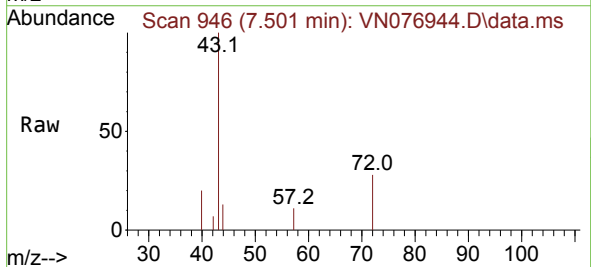
Instrument :
MSVOA_N
ClientSampleId :
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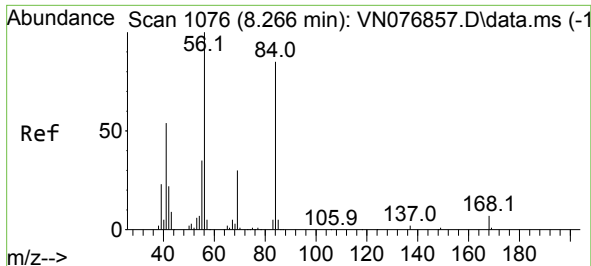
Tgt Ion: 84	Resp: 15853
Ion Ratio	Lower Upper
84 100	
49 98.9	76.6 114.8
51 29.0	25.4 38.2
86 58.8	51.1 76.7



#25
2-Butanone
Concen: 2.570 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 43	Resp: 7055		
Ion Ratio	Lower	Upper	
43 100			
72 28.4	28.8	43.2#	

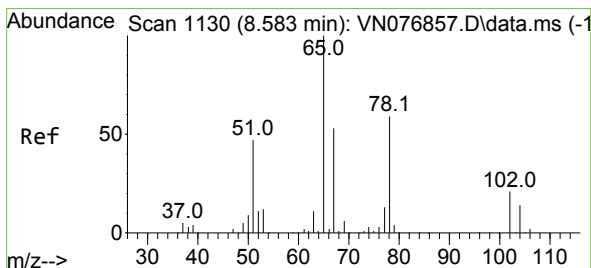
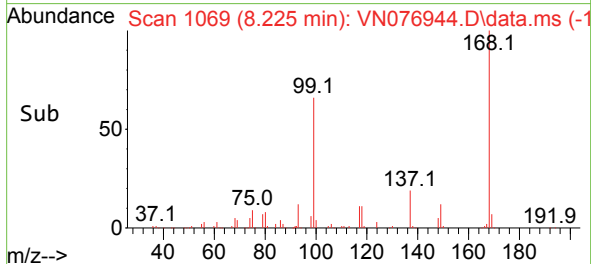
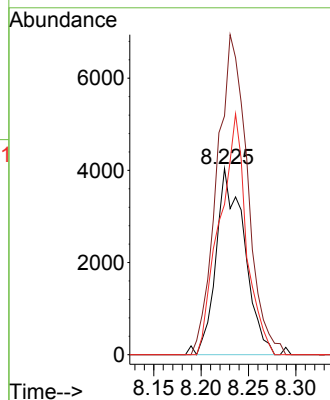
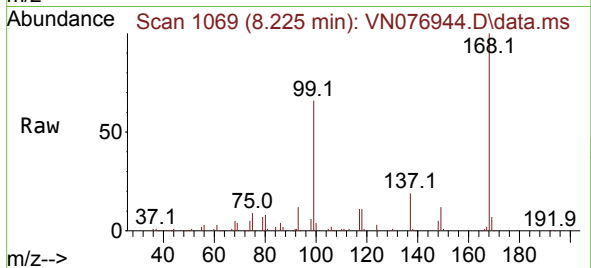




#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.041 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

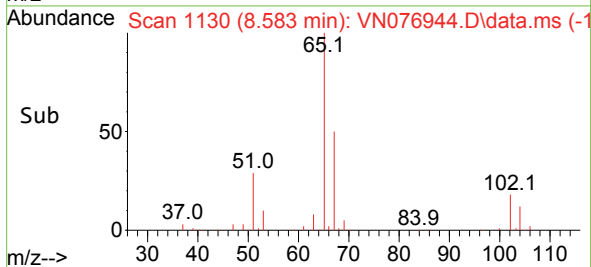
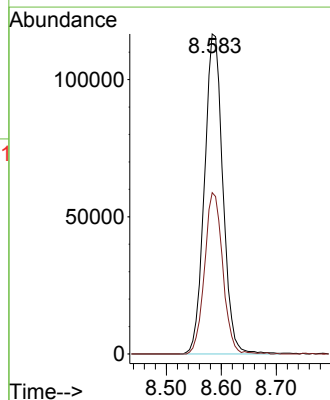
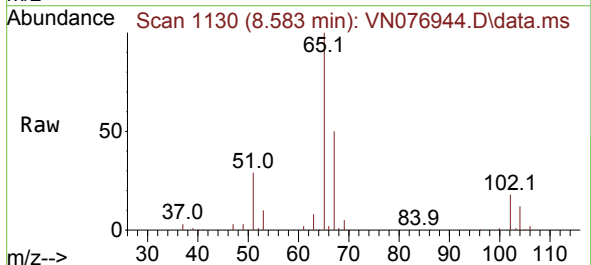
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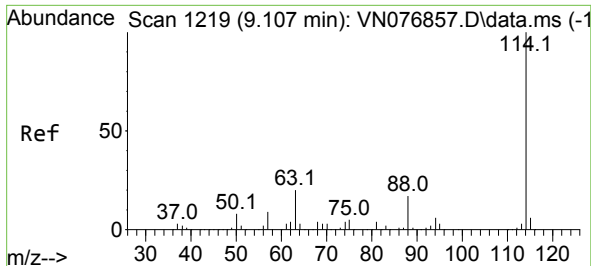
Tgt Ion: 56 Resp: 8407
Ion Ratio Lower Upper
56 100
69 128.2 27.0 40.6#
84 80.7 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 48.621 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 65 Resp: 270830
Ion Ratio Lower Upper
65 100
67 49.7 0.0 107.2

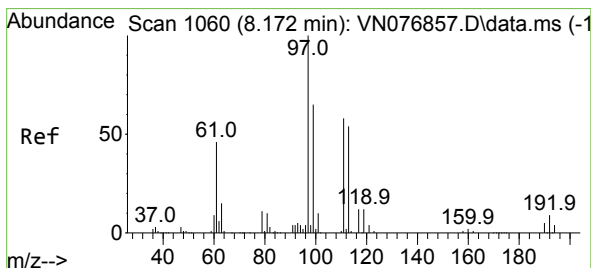
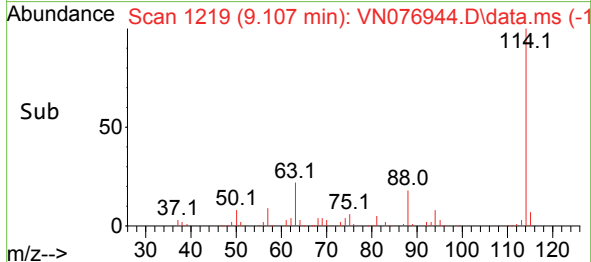
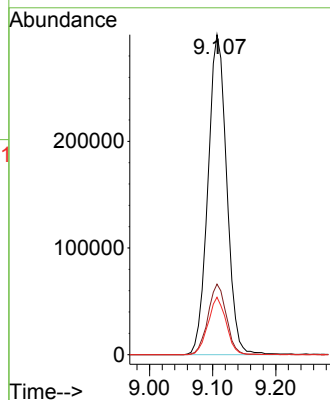
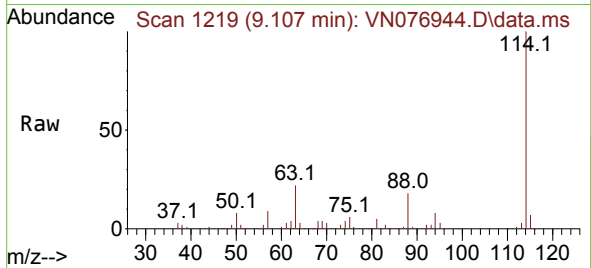




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

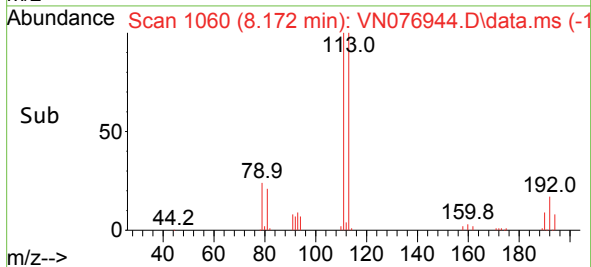
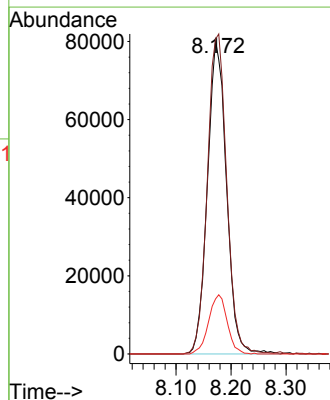
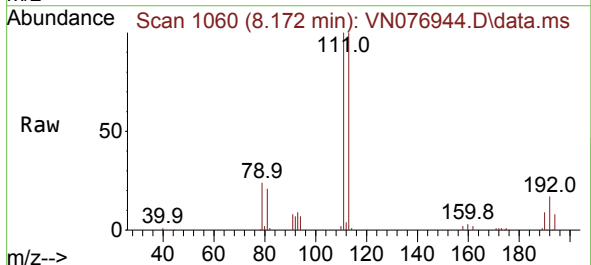
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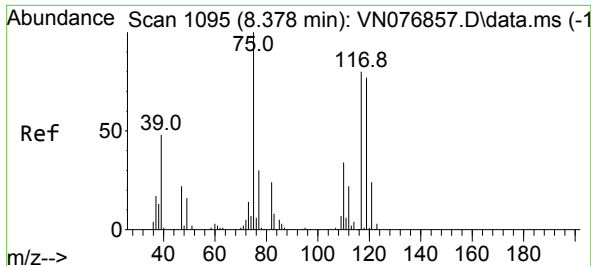
Tgt Ion:114 Resp: 618389
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.6
88 18.0 0.0 28.6



#35
Dibromofluoromethane
Concen: 46.776 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion:113 Resp: 192779
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.8
192 18.4 13.9 20.9





#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 8.230 min Scan# 11

Delta R.T. -0.147 min

Lab File: VN076944.D

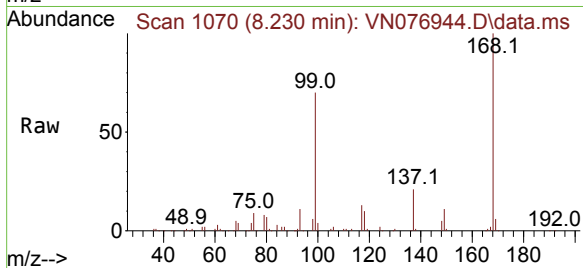
Acq: 10 Mar 2023 23:15

Instrument :

MSVOA_N

ClientSampleId :

11



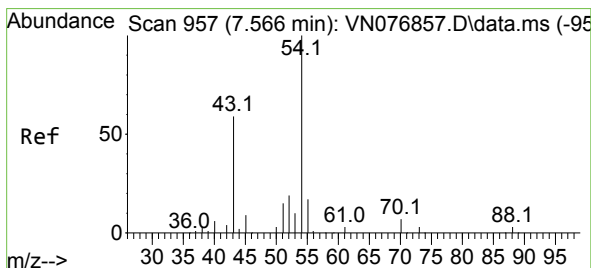
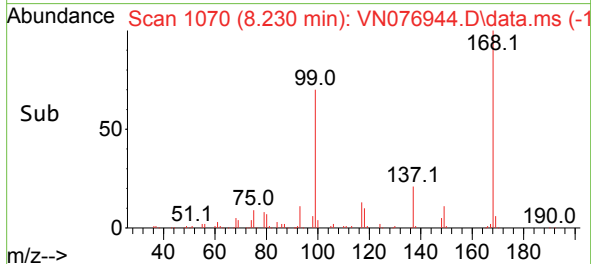
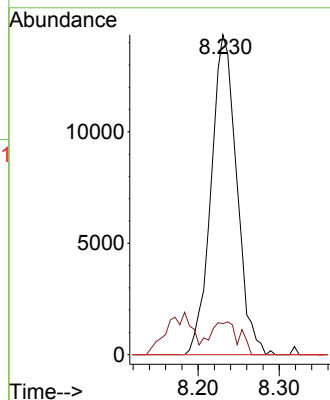
Tgt Ion: 75 Resp: 31539

Ion Ratio Lower Upper

75 100

110 10.1 18.9 56.9#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 11.553 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

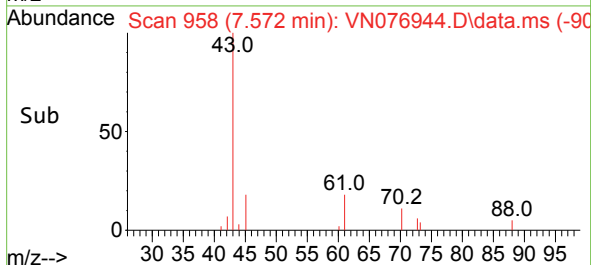
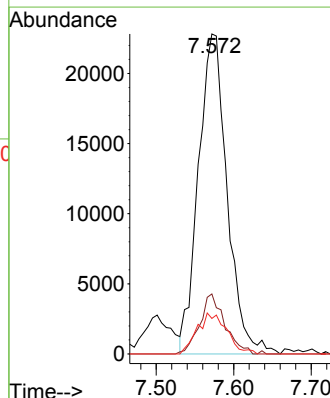
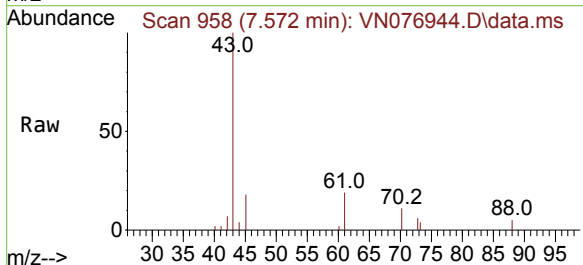
Tgt Ion: 43 Resp: 58889

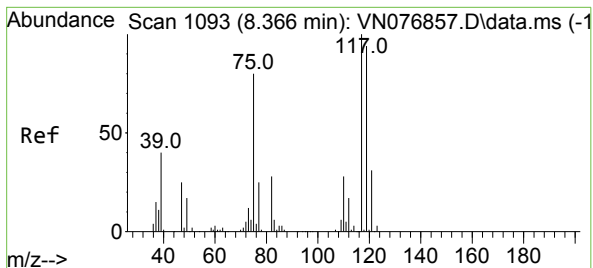
Ion Ratio Lower Upper

43 100

61 16.3 13.5 20.3

70 13.2 11.0 16.6





#38

Carbon Tetrachloride

Concen: 5.696 ug/l

RT: 8.230 min Scan# 11

Delta R.T. -0.141 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Instrument :

MSVOA_N

ClientSampleId :

11

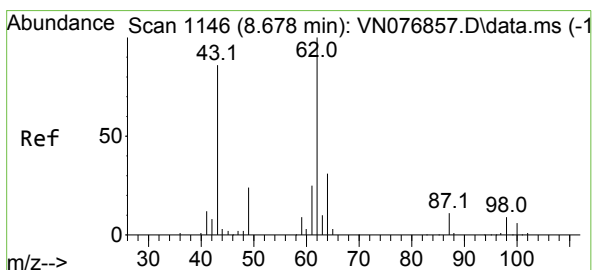
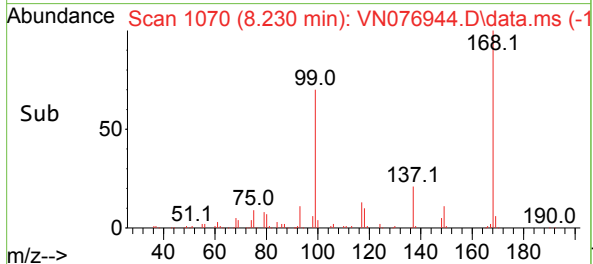
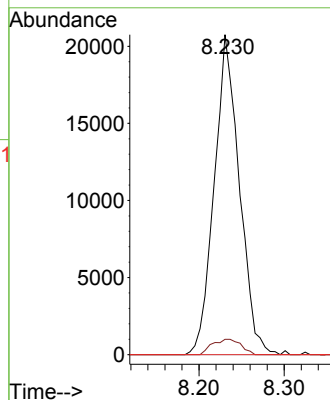
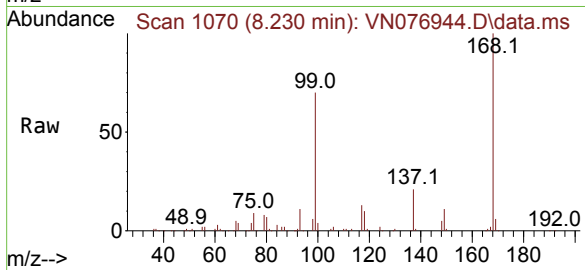
Tgt Ion:117 Resp: 42492

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

121 0.0 23.2 34.8#



#42

1,2-Dichloroethane

Concen: 0.274 ug/l

RT: 8.672 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN076944.D

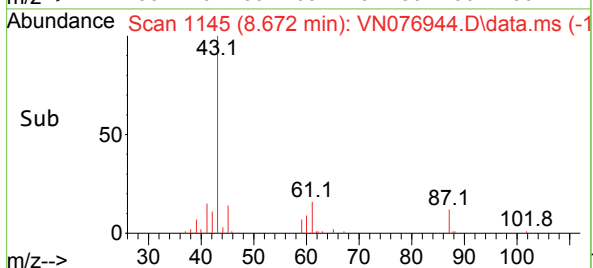
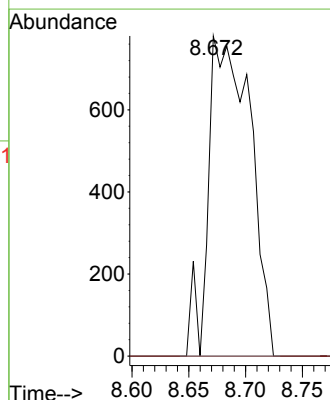
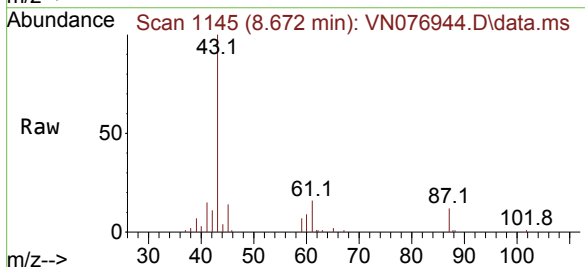
Acq: 10 Mar 2023 23:15

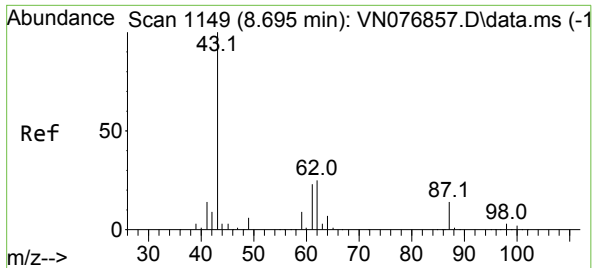
Tgt Ion: 62 Resp: 2009

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8

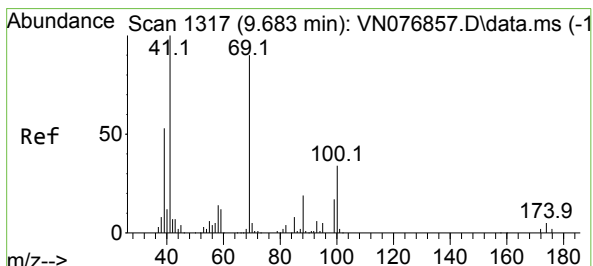
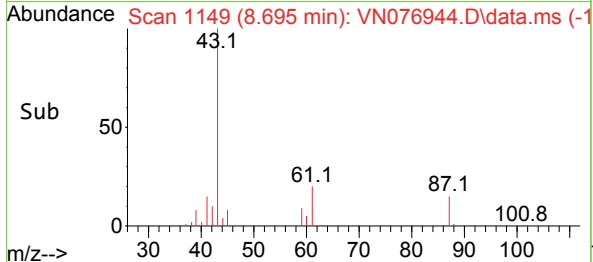
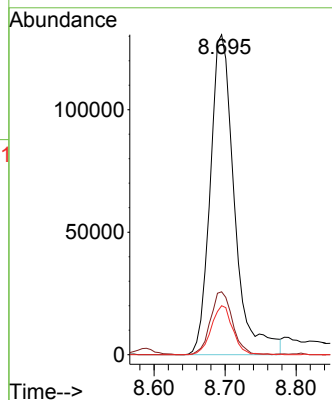
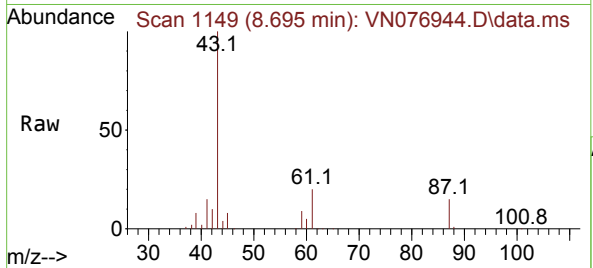




#43
Isopropyl Acetate
Concen: 34.370 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

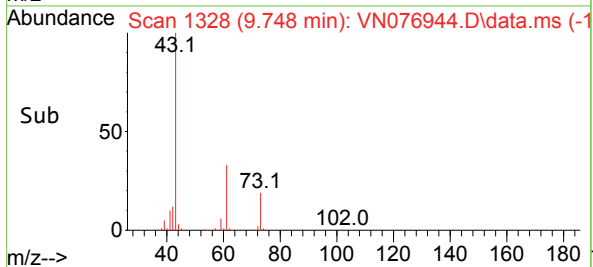
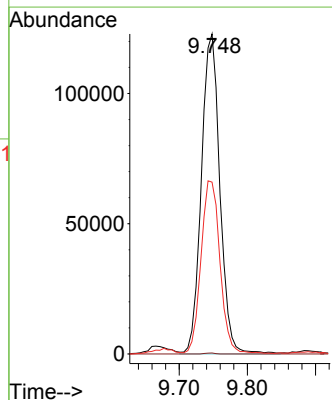
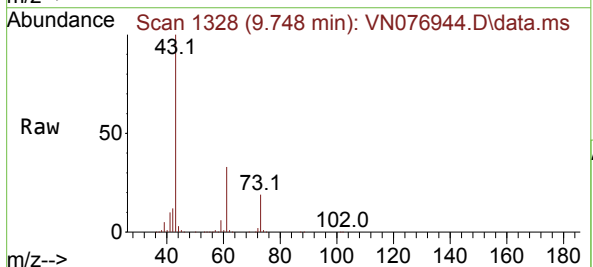
Instrument :
MSVOA_N
ClientSampleId :
11

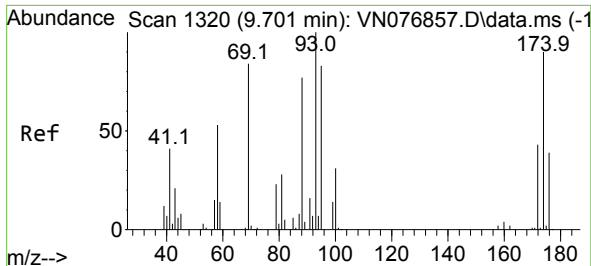
Tgt Ion: 43 Resp: 309274
Ion Ratio Lower Upper
43 100
61 17.9 26.2 39.2#
87 13.5 14.8 22.2#



#48
Methyl methacrylate
Concen: 52.693 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 41 Resp: 232322
Ion Ratio Lower Upper
41 100
69 0.2 92.6 139.0#
39 55.7 51.4 77.0





#49

1,4-Dioxane

Concen: 4.791 ug/l

RT: 9.742 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Instrument :

MSVOA_N

ClientSampleId :

11

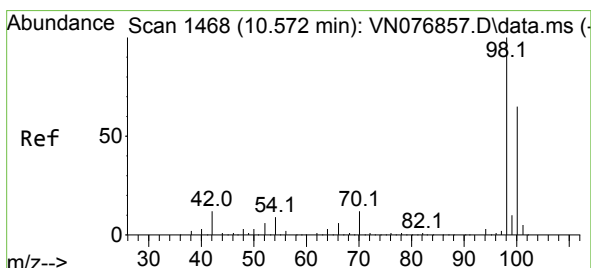
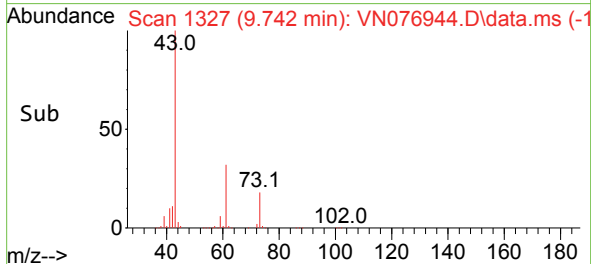
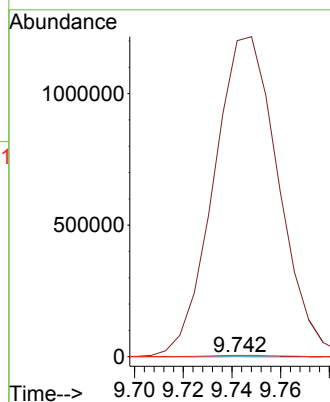
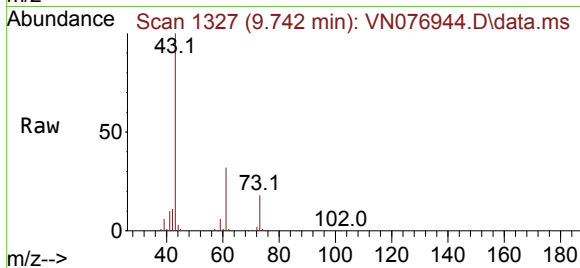
Tgt Ion: 88 Resp: 400

Ion Ratio Lower Upper

88 100

43 567887.8 15.3 22.9#

58 2464.8 47.6 71.4#



#50

Toluene-d8

Concen: 48.953 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076944.D

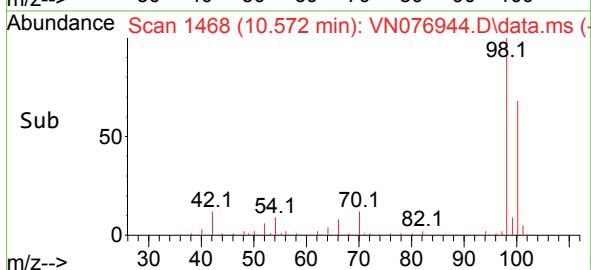
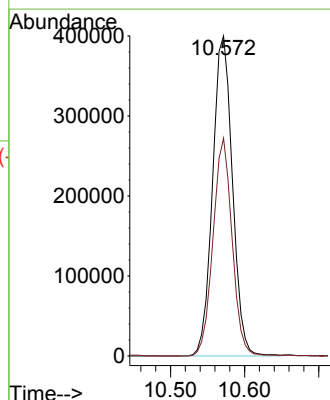
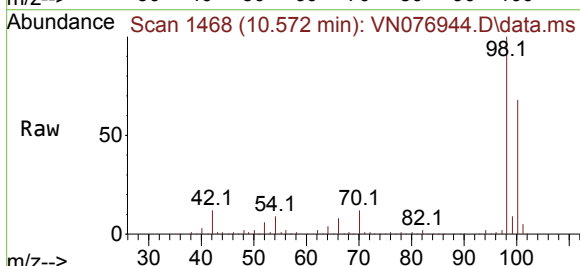
Acq: 10 Mar 2023 23:15

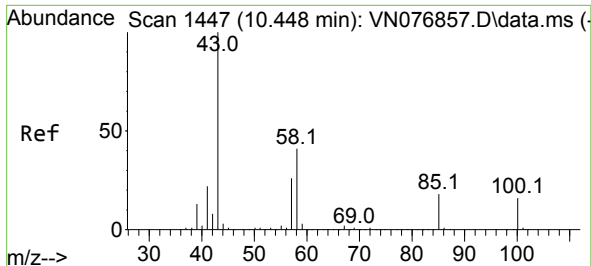
Tgt Ion: 98 Resp: 743550

Ion Ratio Lower Upper

98 100

100 65.3 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 3.356 ug/l

RT: 10.454 min Scan# 1447

Delta R.T. 0.006 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Instrument :

MSVOA_N

ClientSampleId :

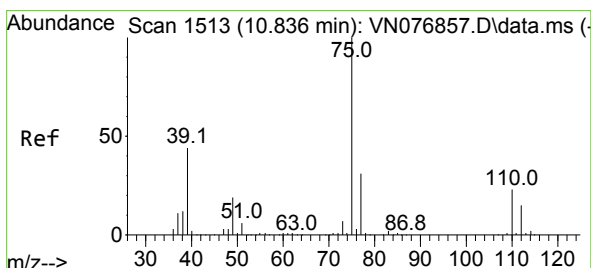
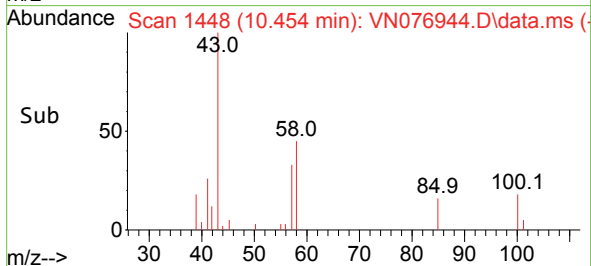
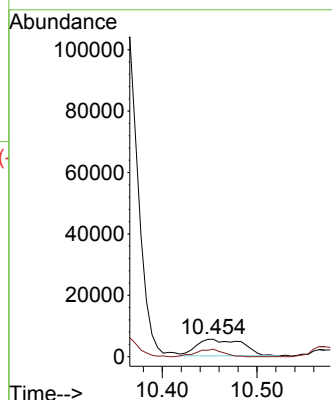
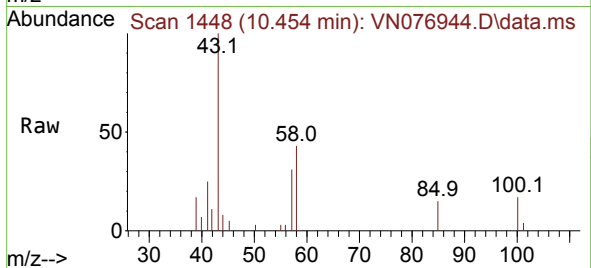
11

Tgt Ion: 43 Resp: 18139

Ion Ratio Lower Upper

43 100

58 26.6 37.4 56.0#



#53

t-1,3-Dichloropropene

Concen: 0.238 ug/l

RT: 10.719 min Scan# 1493

Delta R.T. -0.118 min

Lab File: VN076944.D

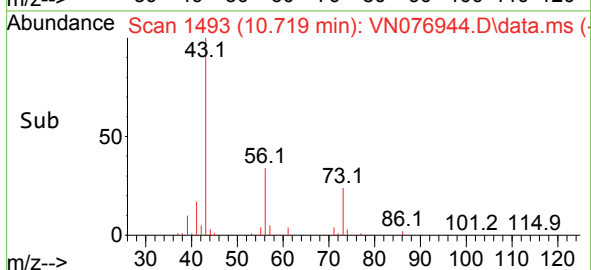
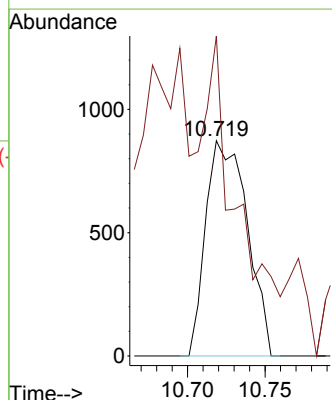
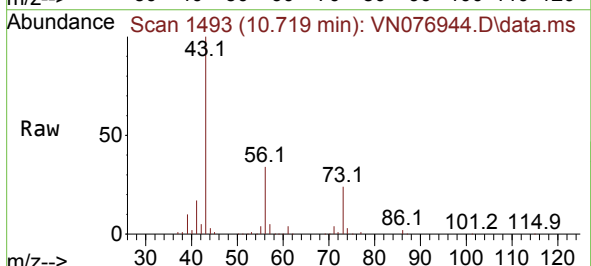
Acq: 10 Mar 2023 23:15

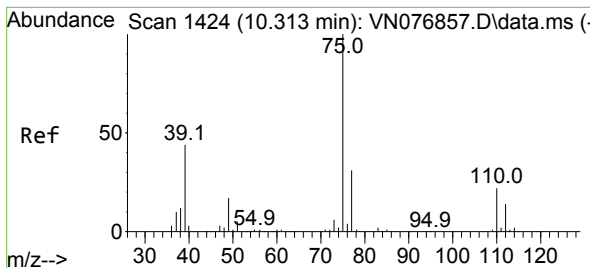
Tgt Ion: 75 Resp: 1623

Ion Ratio Lower Upper

75 100

77 121.2 25.0 37.6#

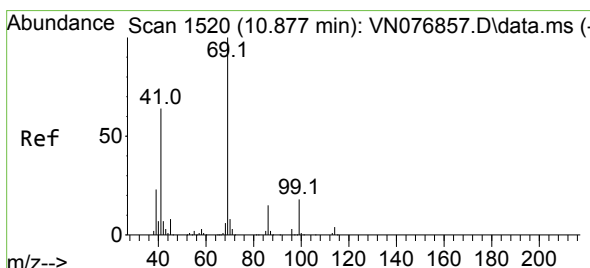
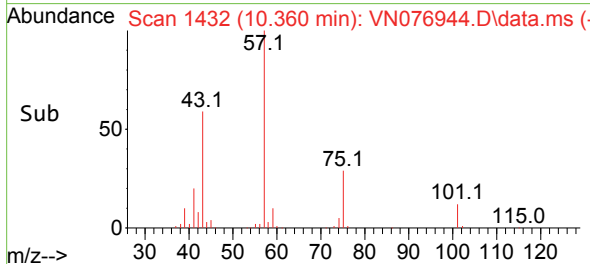
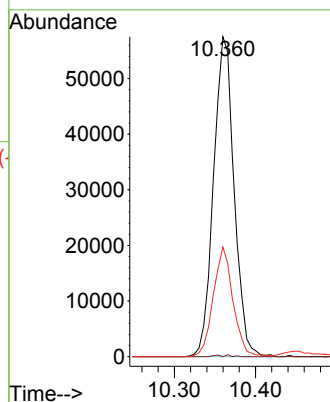
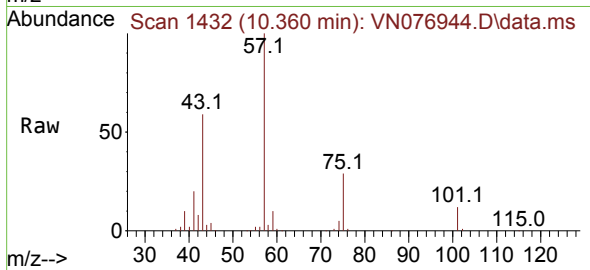




#54
cis-1,3-Dichloropropene
Concen: 13.488 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

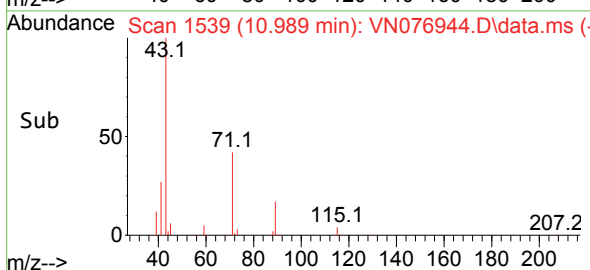
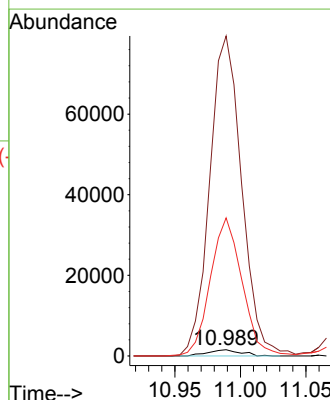
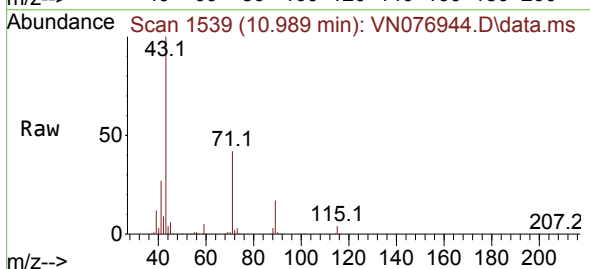
Instrument :
MSVOA_N
ClientSampleId :
11

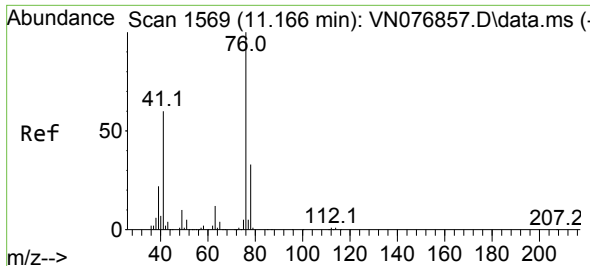
Tgt Ion: 75 Resp: 101146
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 34.2 29.7 44.5



#56
Ethyl methacrylate
Concen: 0.394 ug/l
RT: 10.989 min Scan# 1539
Delta R.T. 0.112 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 69 Resp: 2689
Ion Ratio Lower Upper
69 100
41 5020.4 38.0 57.0#
39 2145.1 22.4 33.6#





#57

1,3-Dichloropropane

Concen: 1.643 ug/l

RT: 11.201 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Instrument :

MSVOA_N

ClientSampleId :

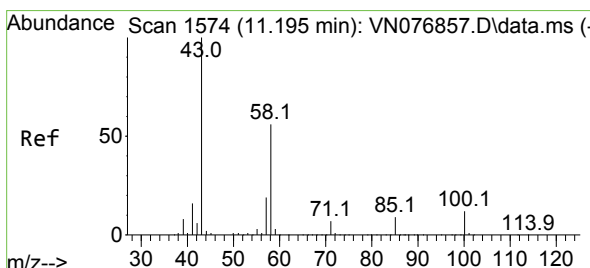
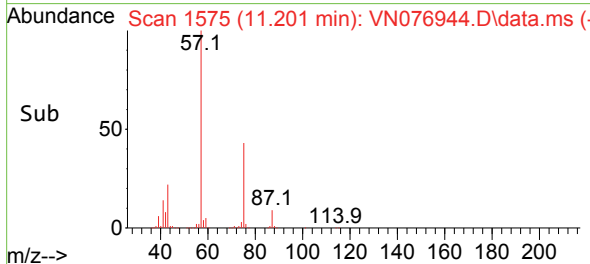
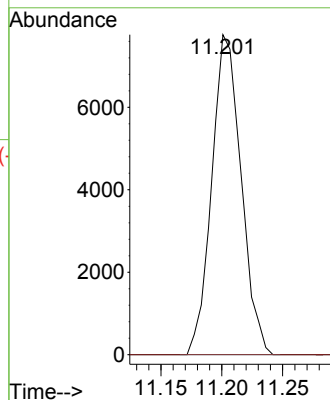
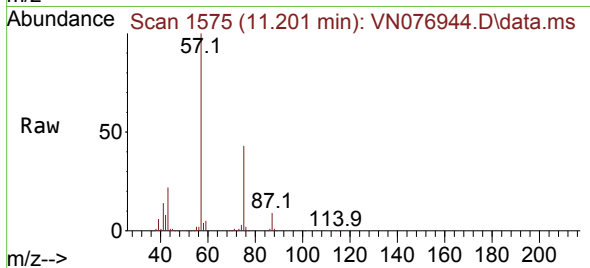
11

Tgt Ion: 76 Resp: 13038

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 55.455 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN076944.D

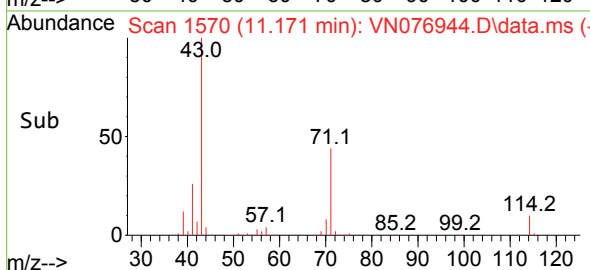
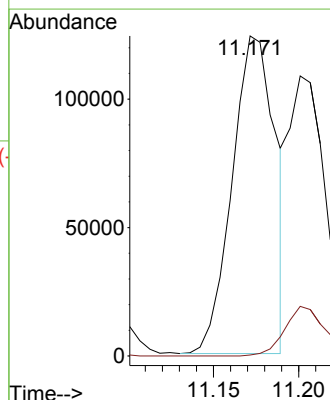
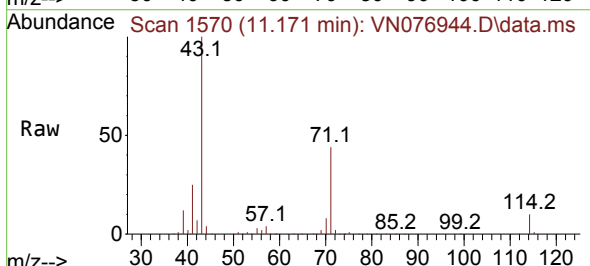
Acq: 10 Mar 2023 23:15

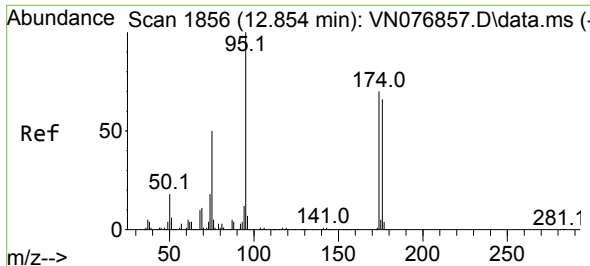
Tgt Ion: 43 Resp: 218565

Ion Ratio Lower Upper

43 100

58 0.0 32.6 98.0#

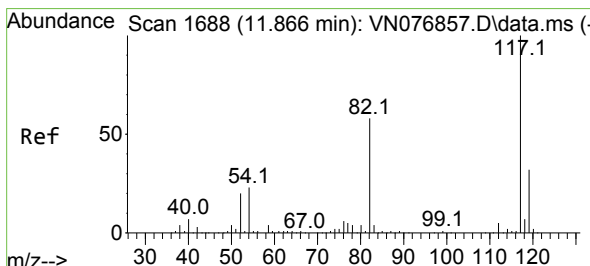
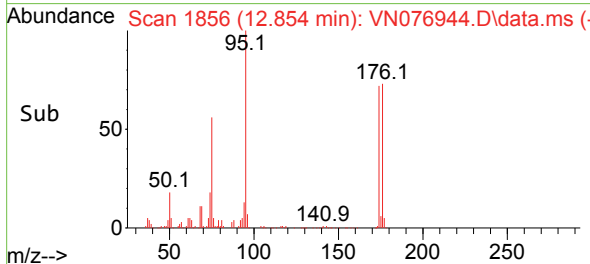
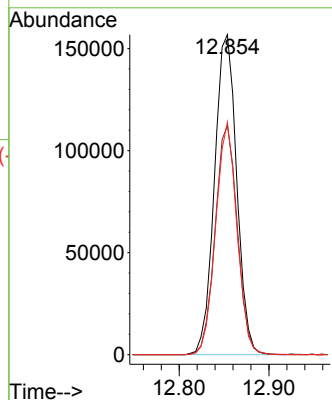
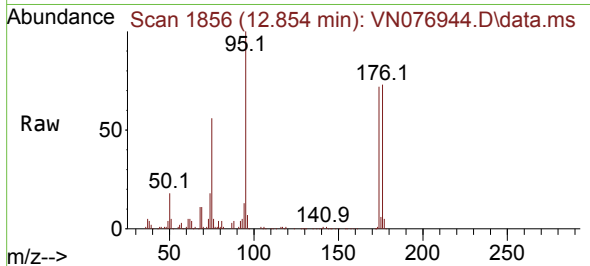




#62
4-Bromofluorobenzene
Concen: 48.489 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

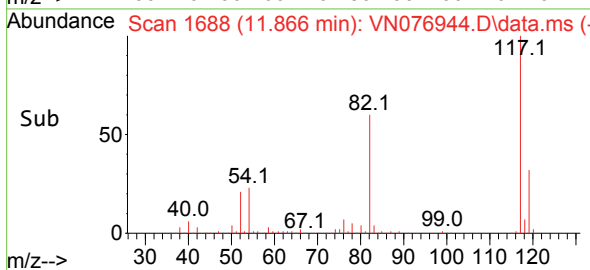
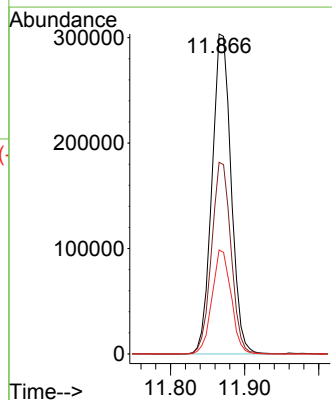
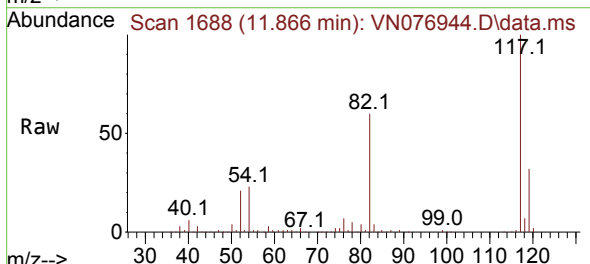
Instrument :
MSVOA_N
ClientSampleId :
11

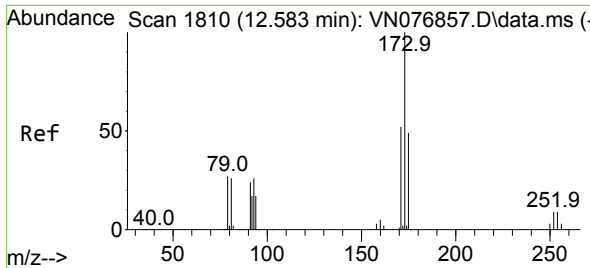
Tgt Ion: 95 Resp: 269391
Ion Ratio Lower Upper
95 100
174 71.5 0.0 162.4
176 69.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion: 117 Resp: 544765
Ion Ratio Lower Upper
117 100
82 59.9 43.5 65.3
119 32.5 25.5 38.3

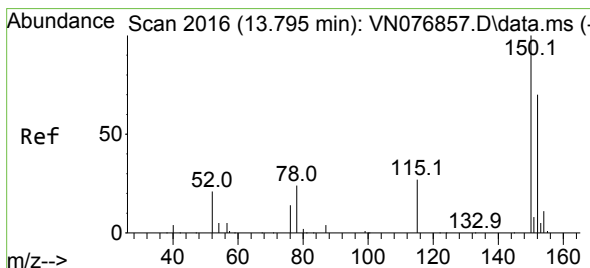
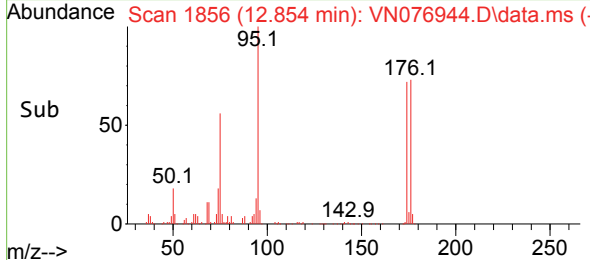
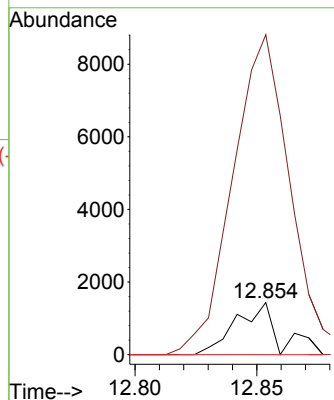
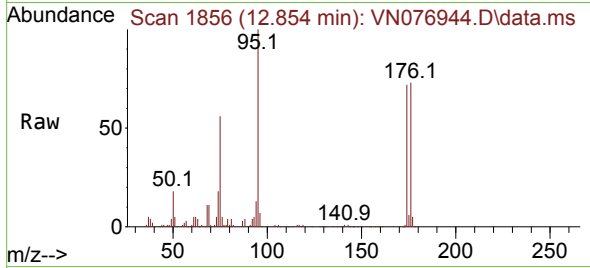




#71
Bromoform
Concen: 0.417 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.270 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

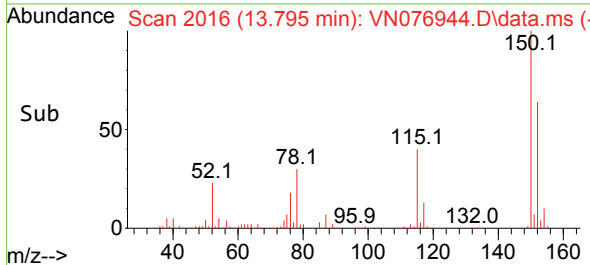
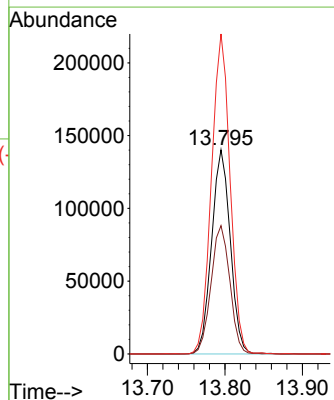
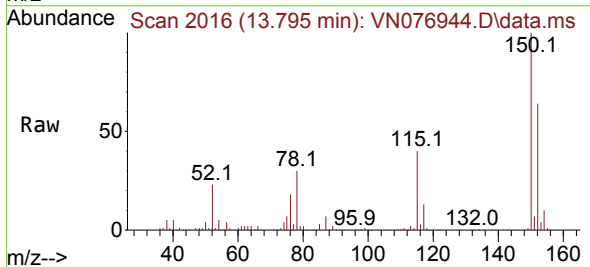
Instrument :
MSVOA_N
ClientSampleId :
11

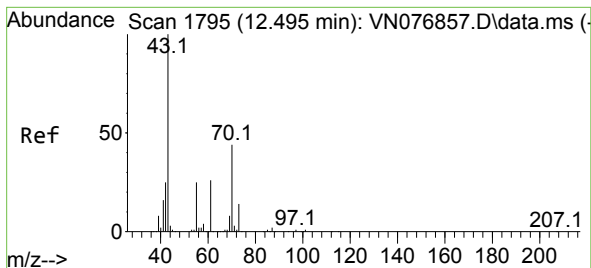
Tgt Ion:173 Resp: 1438
Ion Ratio Lower Upper
173 100
175 833.7 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Tgt Ion:152 Resp: 234683
Ion Ratio Lower Upper
152 100
115 63.5 30.3 90.9
150 156.0 0.0 353.6





#74

N-ethyl acetate

Concen: 7.633 ug/l

RT: 12.307 min Scan# 11

Delta R.T. -0.188 min

Lab File: VN076944.D

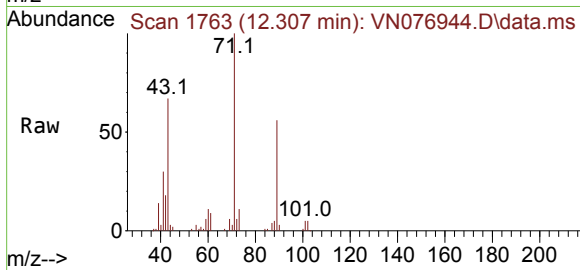
Acq: 10 Mar 2023 23:15

Instrument :

MSVOA_N

ClientSampleId :

11



Tgt Ion: 43 Resp: 52851

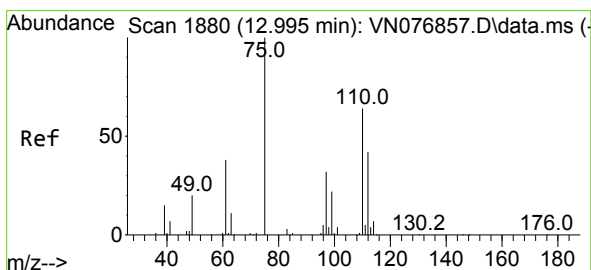
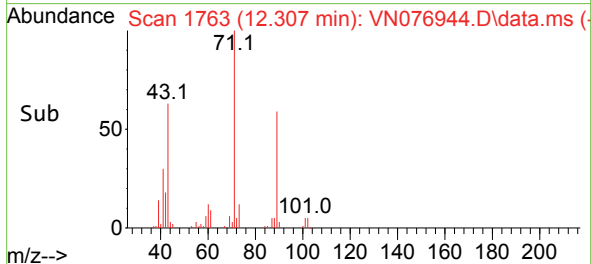
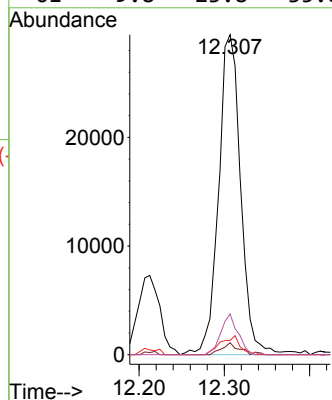
Ion Ratio Lower Upper

43 100

70 3.0 46.8 70.2#

55 5.2 23.4 35.2#

61 9.8 23.8 35.8#



#76

1,2,3-Trichloropropane

Concen: 26.270 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076944.D

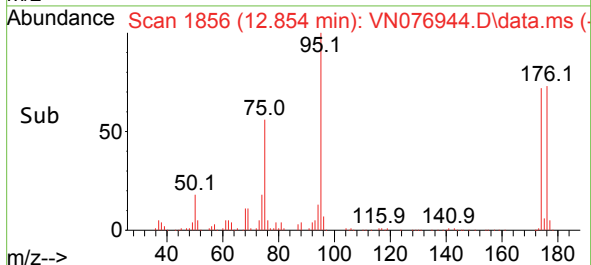
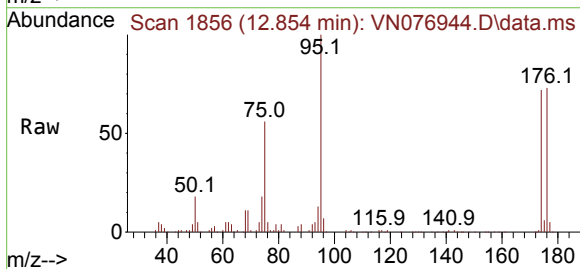
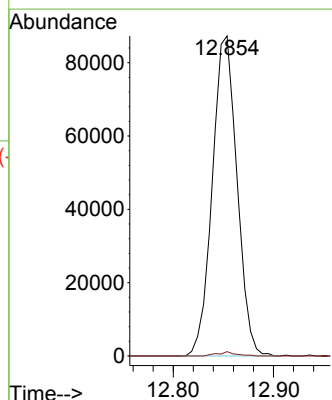
Acq: 10 Mar 2023 23:15

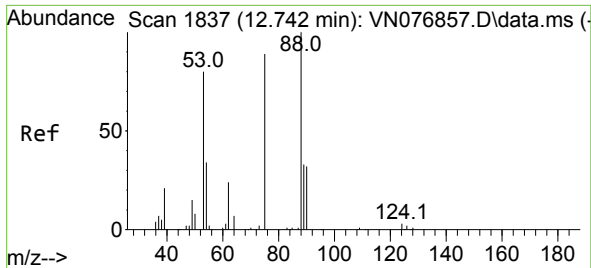
Tgt Ion: 75 Resp: 149467

Ion Ratio Lower Upper

75 100

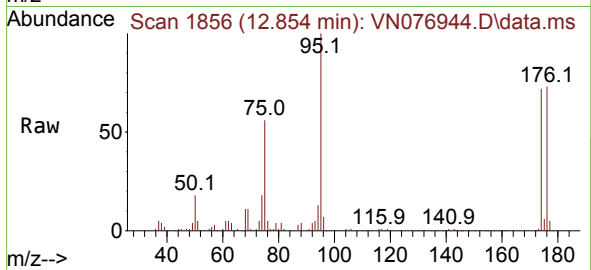
77 1.0 93.8 281.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.810 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076944.D
Acq: 10 Mar 2023 23:15

Instrument :
MSVOA_N
ClientSampleId :
11



Tgt Ion: 75 Resp: 149467
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.0#
89 0.0 39.5 59.3#

