

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082123\
 Data File : VN078967.D
 Acq On : 21 Aug 2023 11:55
 Operator : JC\MD
 Sample : VN0821MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 00:54:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	160467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	256000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	76240	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118573	47.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.980%
35) Dibromofluoromethane	8.171	113	100445	51.964	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.920%
50) Toluene-d8	10.571	98	355578	49.542	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.080%
62) 4-Bromofluorobenzene	12.853	95	98194	41.856	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.720%

Target Compounds				Qvalue		
3) Chloromethane	2.360	50	1017	0.327	ug/l #	83
5) Bromomethane	2.959	94	865	0.553	ug/l #	54
6) Chloroethane	3.118	64	946	0.496	ug/l #	43
10) Methyl Iodide	4.595	142	1699	0.859	ug/l #	38
11) Tert butyl alcohol	5.471	59	84	0.200	ug/l #	72
13) Acrolein	4.212	56	85	7.149	ug/l #	10
15) Acrylonitrile	5.724	53	438	0.386	ug/l #	76
16) Acetone	4.442	43	995	0.966	ug/l #	40
17) Carbon Disulfide	4.712	76	3754	0.778	ug/l #	75
18) Methyl Acetate	5.048	43	1822	0.419	ug/l #	48
20) Methylene Chloride	5.283	84	706	0.322	ug/l #	68
23) Vinyl Acetate	6.606	43	1109	0.232	ug/l #	62
25) 2-Butanone	7.489	43	371	0.225	ug/l	93
29) Tetrahydrofuran	7.865	42	268	0.245	ug/l #	20
31) Cyclohexane	8.230	56	4409	Below Cal	#	63
36) 1,1-Dichloropropene	8.224	75	13986	4.810	ug/l #	44
38) Carbon Tetrachloride	8.236	117	17027	5.844	ug/l #	17
39) Methylcyclohexane	9.606	83	994	0.372	ug/l #	78
43) Isopropyl Acetate	8.718	43	8436	1.467	ug/l #	49
47) Bromodichloromethane	9.606	83	758	0.245	ug/l #	26
49) 1,4-Dioxane	9.718	88	77	1.735	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	1448	0.425	ug/l #	47
59) 2-Hexanone	11.194	43	3129	1.267	ug/l	60
65) Chlorobenzene	11.900	112	1431	0.263	ug/l	91
74) N-amyl acetate	12.500	43	1135	0.354	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.947	83	563	0.245	ug/l #	65
76) 1,2,3-Trichloropropane	12.853	75	51856	28.228	ug/l #	1
77) Bromobenzene	12.982	156	552	0.361	ug/l	85
78) n-propylbenzene	13.041	91	2059	0.279	ug/l	76
79) 2-Chlorotoluene	13.129	91	1303	0.285	ug/l	75
80) 1,3,5-Trimethylbenzene	13.176	105	1373	0.273	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.853	75	51856	72.111	ug/l #	15
82) 4-Chlorotoluene	13.224	91	1576	0.352	ug/l	91
83) tert-Butylbenzene	13.441	119	1788	0.422	ug/l	92
84) 1,2,4-Trimethylbenzene	13.488	105	1220	0.245	ug/l	71
85) sec-Butylbenzene	13.618	105	3866	0.664	ug/l	95

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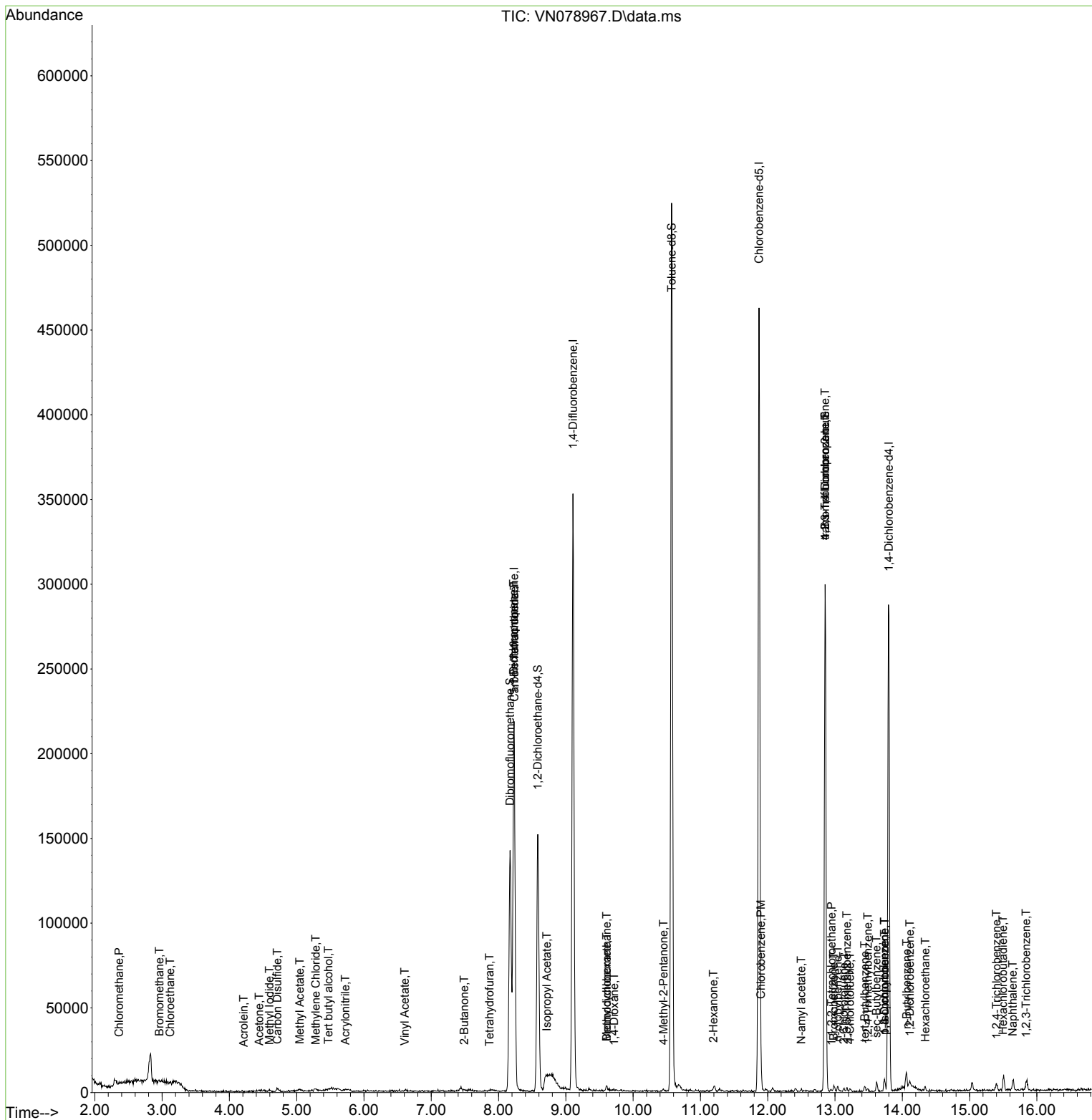
Quant Time: Aug 22 00:54:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
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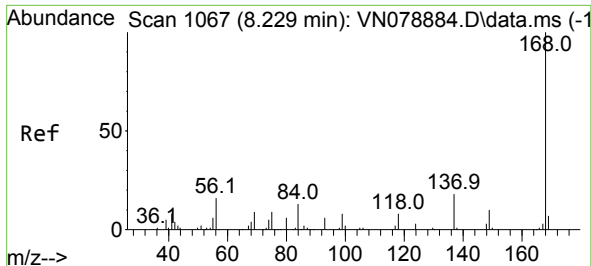
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

86) p-Isopropyltoluene	13.735	119	3297	0.708	ug/l	86
87) 1,3-Dichlorobenzene	13.735	146	1348	0.513	ug/l	97
88) 1,4-Dichlorobenzene	13.735	146	1348	0.512	ug/l	96
89) n-Butylbenzene	14.065	91	4729	1.235	ug/l	96
90) Hexachloroethane	14.341	117	699	0.749	ug/l #	55
91) 1,2-Dichlorobenzene	14.112	146	1132	0.433	ug/l #	57
92) 1,2-Dibromo-3-Chloropr...	14.729	75	157	Below Cal		61
93) 1,2,4-Trichlorobenzene	15.400	180	1796	1.938	ug/l	95
94) Hexachlorobutadiene	15.494	225	1886	3.223	ug/l #	58
95) Naphthalene	15.641	128	5864	4.158	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	1793	1.766	ug/l #	60

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

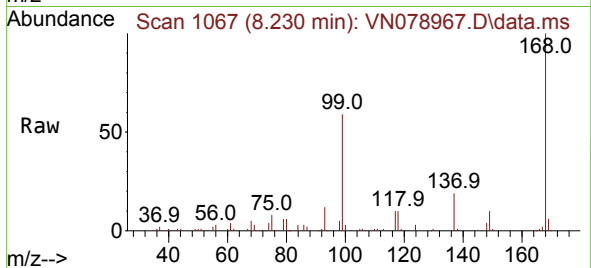
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



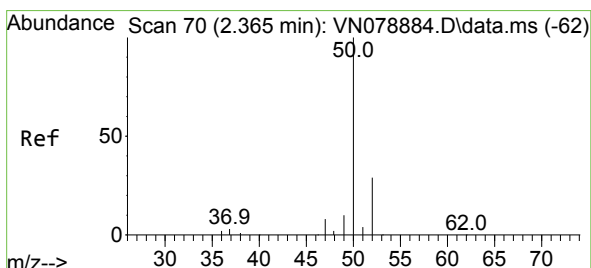
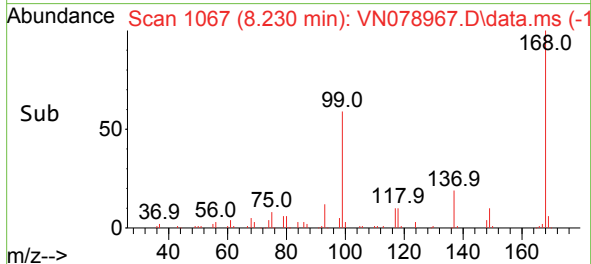
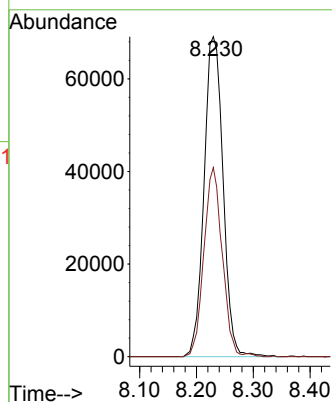


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078967.D
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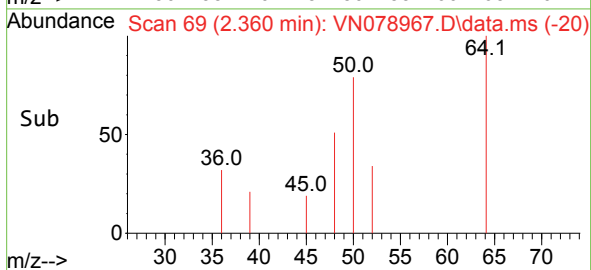
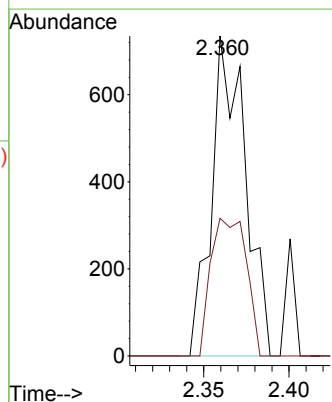
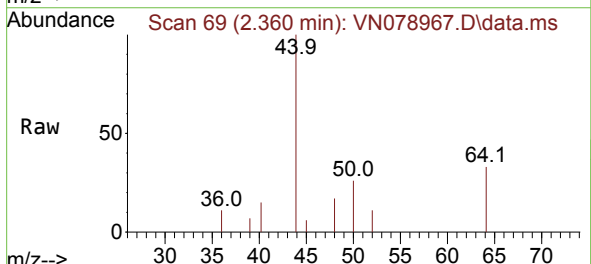


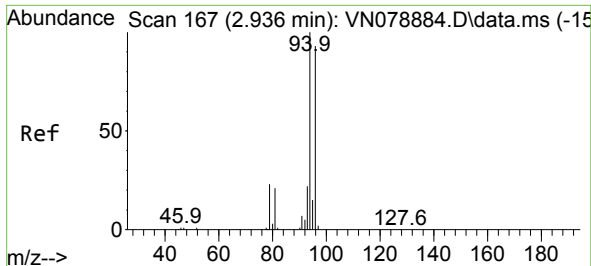
Tgt Ion:168 Resp: 160467
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#3
Chloromethane
Concen: 0.327 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.011 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion: 50 Resp: 1017
Ion Ratio Lower Upper
50 100
52 43.0 26.5 39.7#

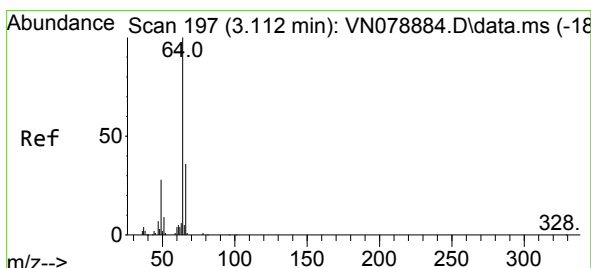
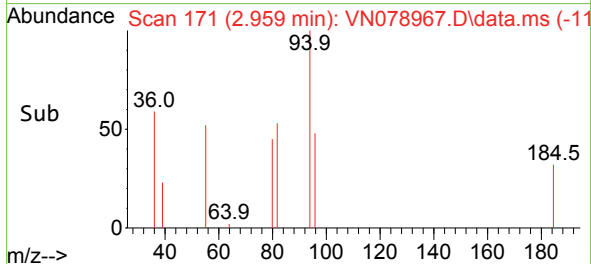
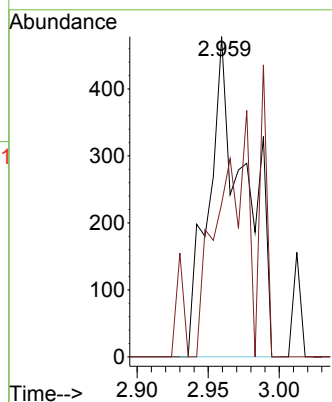
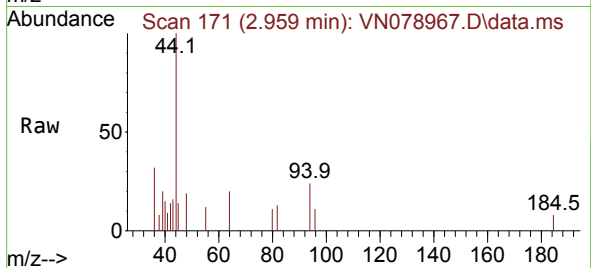




#5
Bromomethane
Concen: 0.553 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

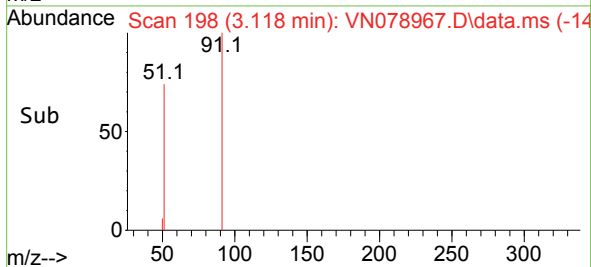
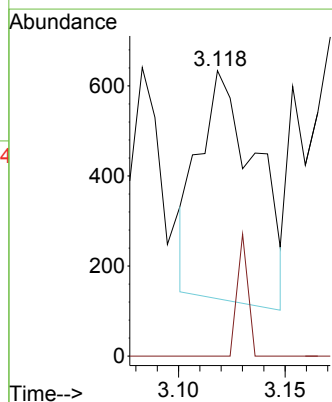
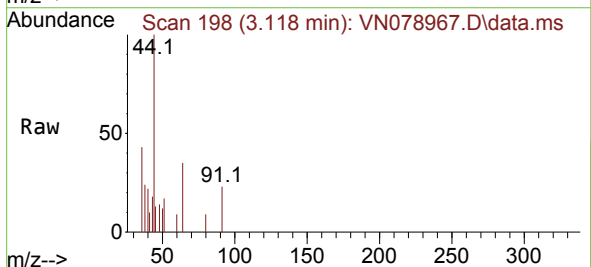
Instrument :
MSVOA_N
ClientSampleId :

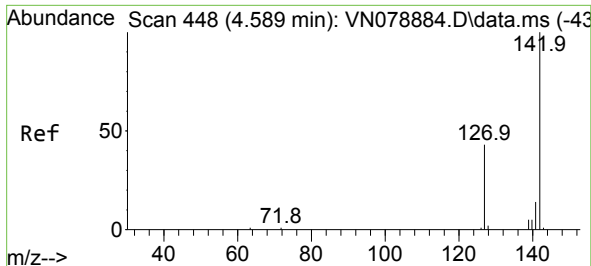
Tgt Ion: 94 Resp: 865
Ion Ratio Lower Upper
94 100
96 47.9 73.1 109.7#



#6
Chloroethane
Concen: 0.496 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

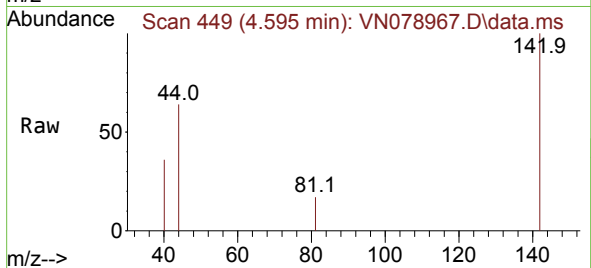
Tgt Ion: 64 Resp: 946
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



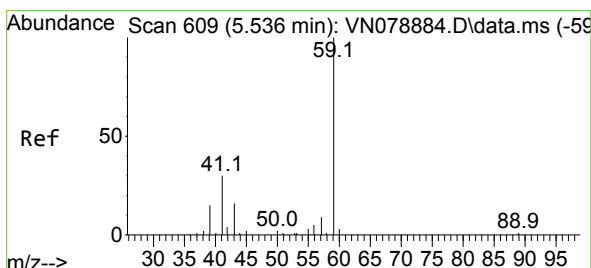
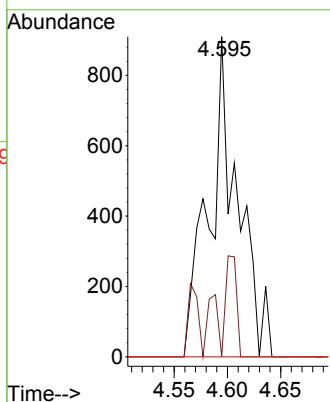
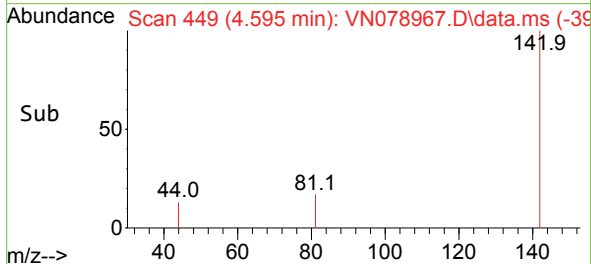


#10
Methyl Iodide
Concen: 0.859 ug/l
RT: 4.595 min Scan# 449
Delta R.T. -0.005 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

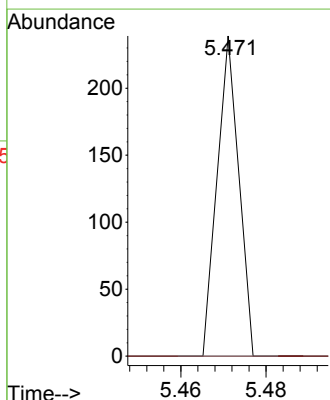
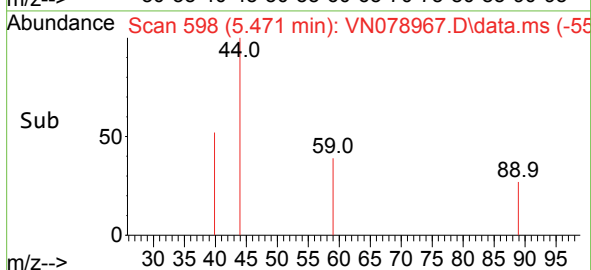
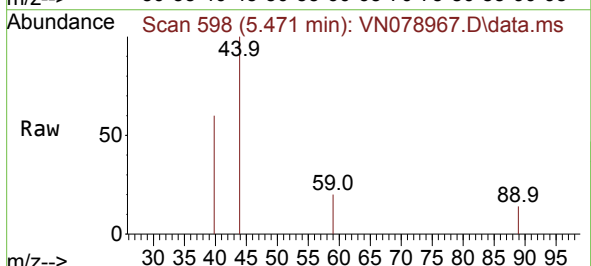


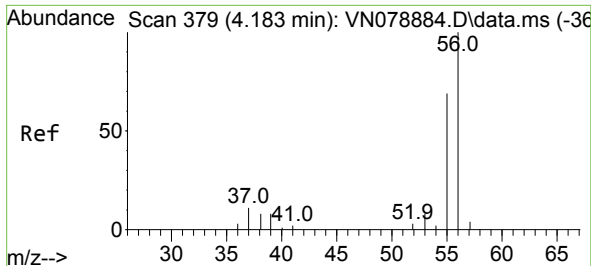
Tgt Ion:142 Resp: 1699
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.200 ug/l
RT: 5.471 min Scan# 598
Delta R.T. -0.071 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

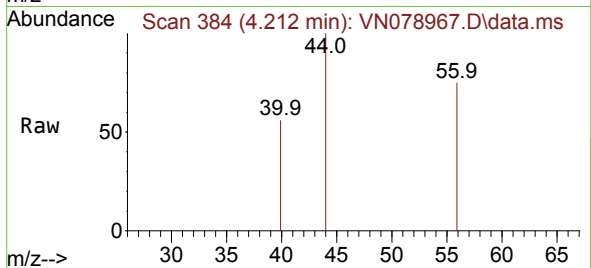
Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



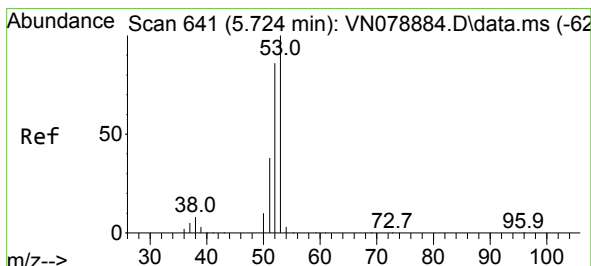
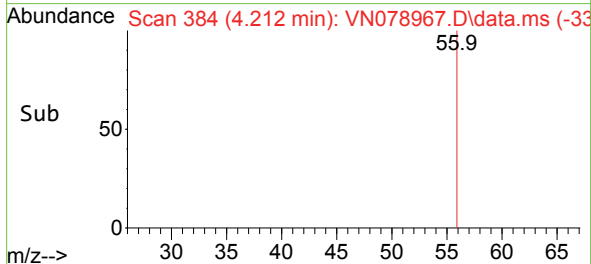
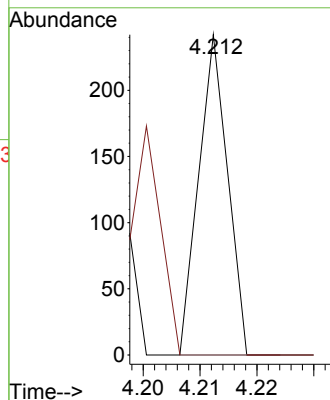


#13
Acrolein
Concen: 7.149 ug/l
RT: 4.212 min Scan# 384
Delta R.T. 0.017 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

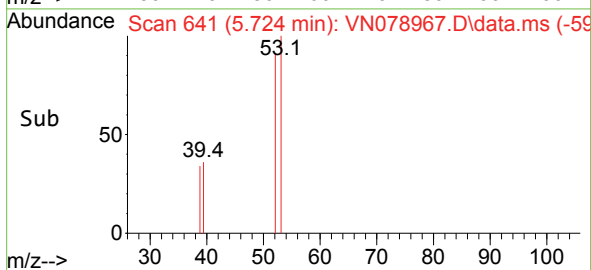
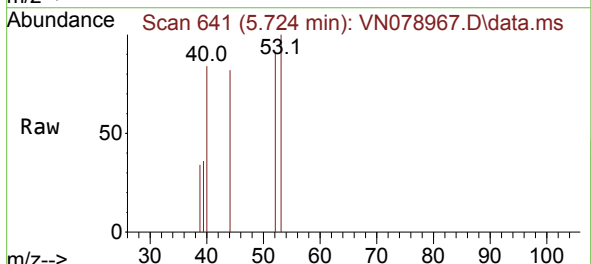
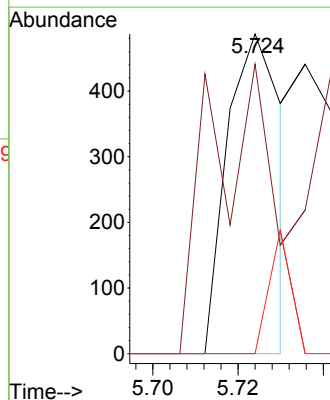


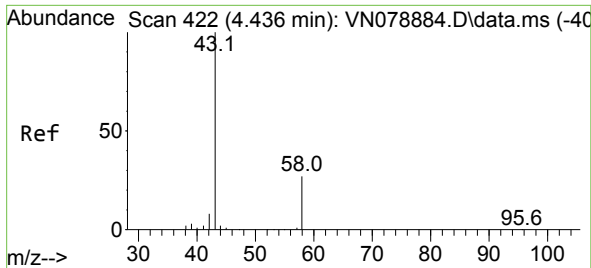
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 141.2 54.5 81.7#



#15
Acrylonitrile
Concen: 0.386 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion: 53 Resp: 438
Ion Ratio Lower Upper
53 100
52 98.9 65.3 97.9#
51 15.1 28.9 43.3#





#16

Acetone

Concen: 0.966 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN078967.D

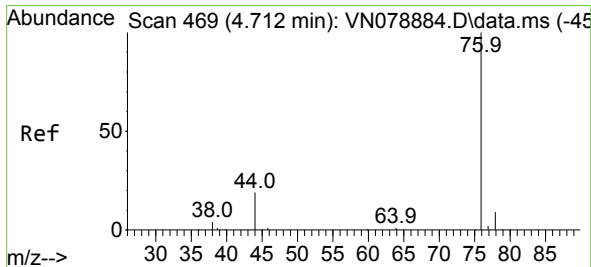
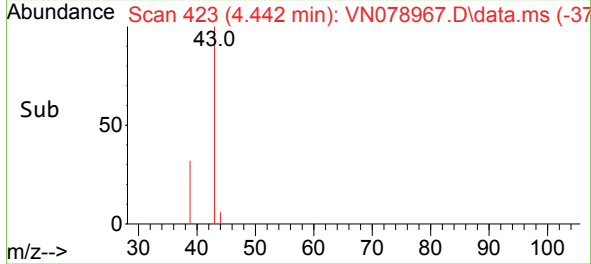
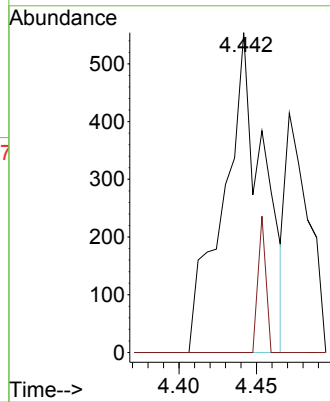
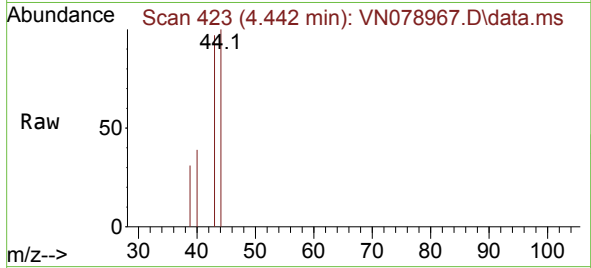
Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 995
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.778 ug/l

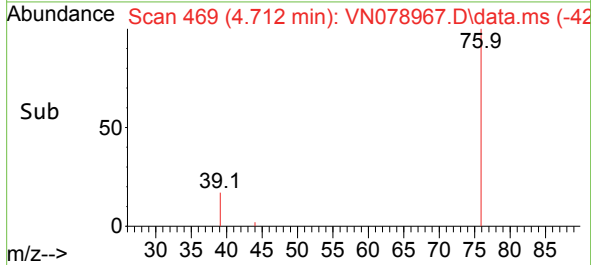
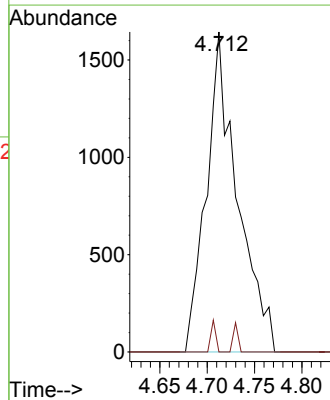
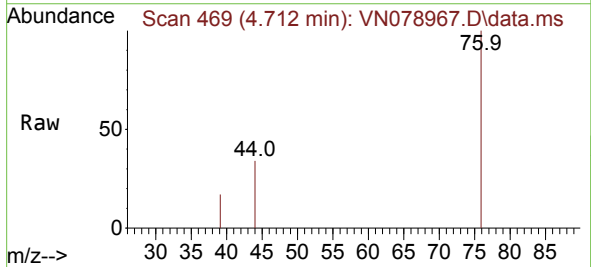
RT: 4.712 min Scan# 469

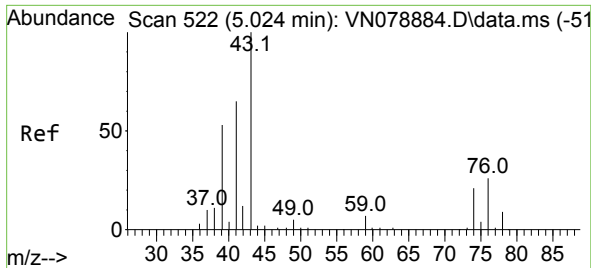
Delta R.T. -0.012 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Tgt Ion: 76 Resp: 3754
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.4 11.0#

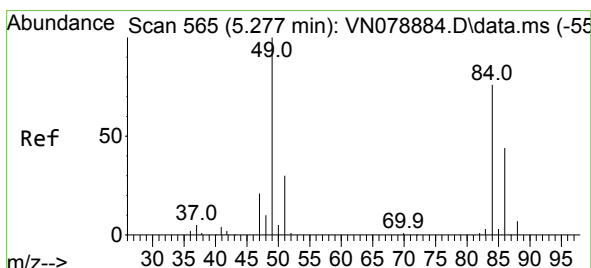
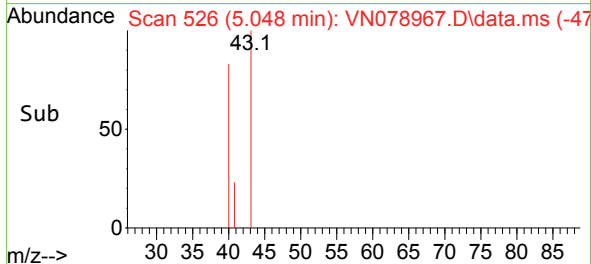
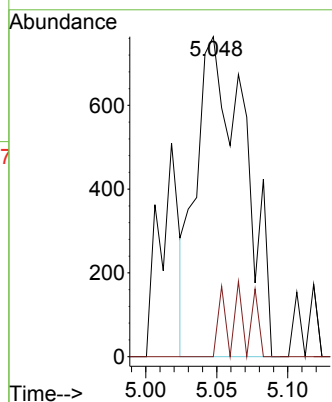
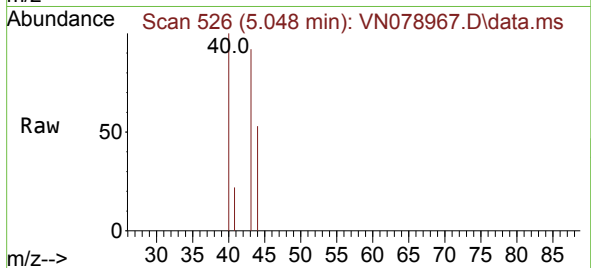




#18
Methyl Acetate
Concen: 0.419 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

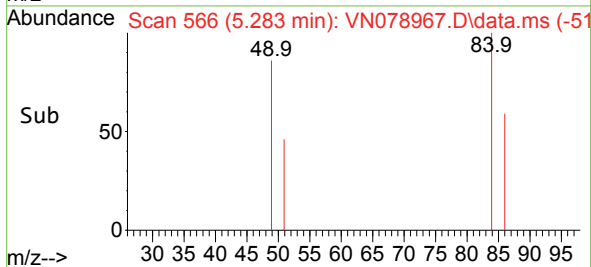
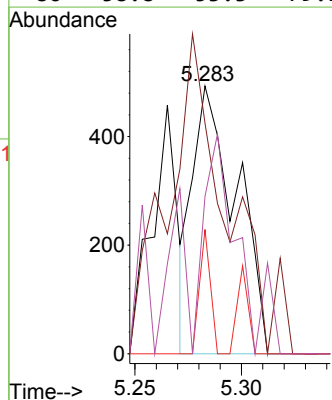
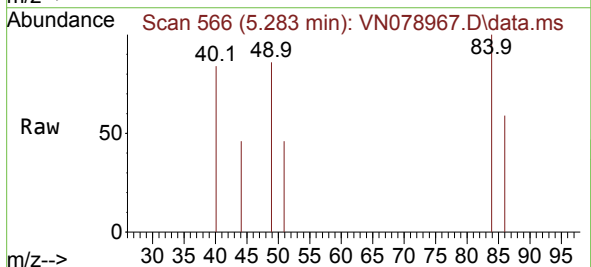
Instrument :
MSVOA_N
ClientSampleId :

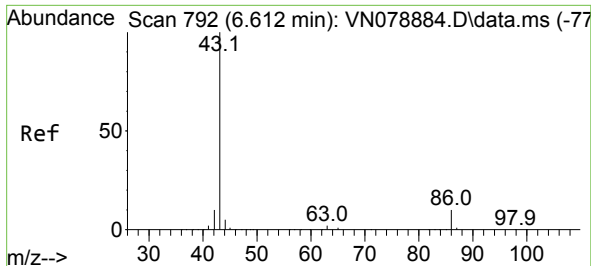
Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
74 3.2 26.2 39.4#



#20
Methylene Chloride
Concen: 0.322 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion: 84 Resp: 706
Ion Ratio Lower Upper
84 100
49 50.5 79.7 119.5#
51 46.5 25.2 37.8#
86 58.8 53.3 79.9

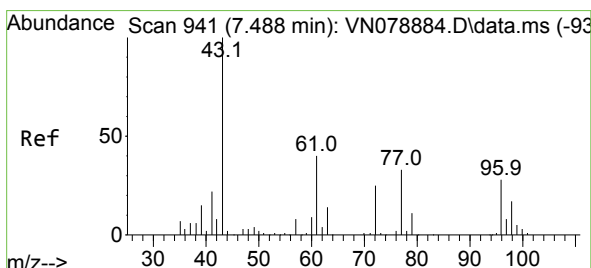
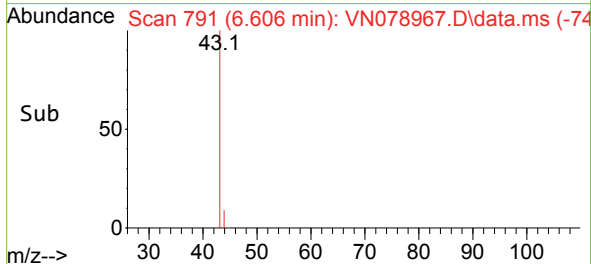
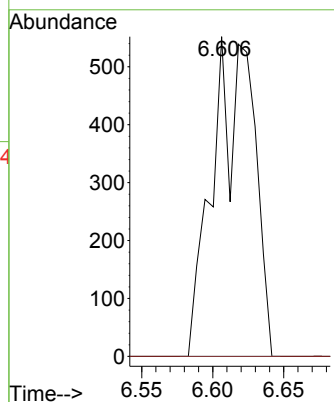
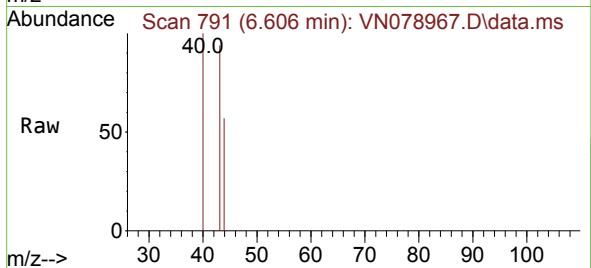




#23
 Vinyl Acetate
 Concen: 0.232 ug/l
 RT: 6.606 min Scan# 792
 Delta R.T. -0.006 min
 Lab File: VN078967.D
 Acq: 21 Aug 2023 11:55

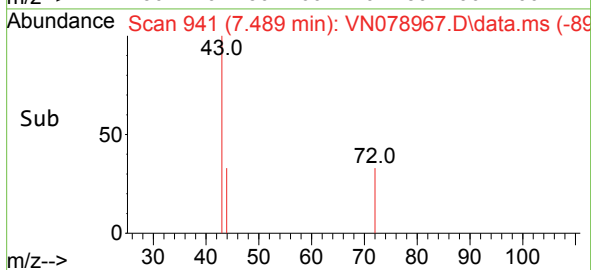
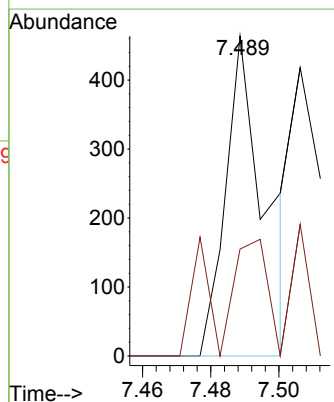
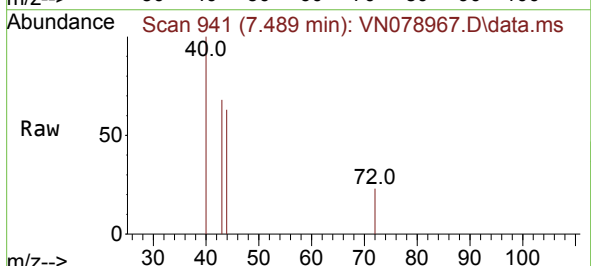
Instrument :
 MSVOA_N
 ClientSampleId :

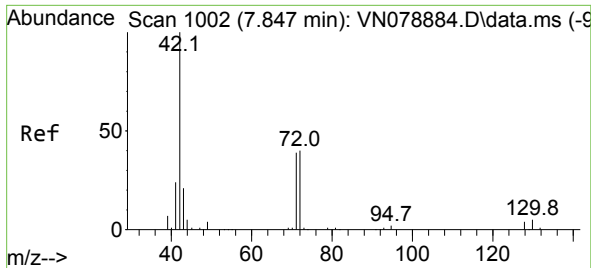
Tgt Ion: 43 Resp: 1109
 Ion Ratio Lower Upper
 43 100
 86 0.0 13.0 19.6#



#25
 2-Butanone
 Concen: 0.225 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. -0.005 min
 Lab File: VN078967.D
 Acq: 21 Aug 2023 11:55

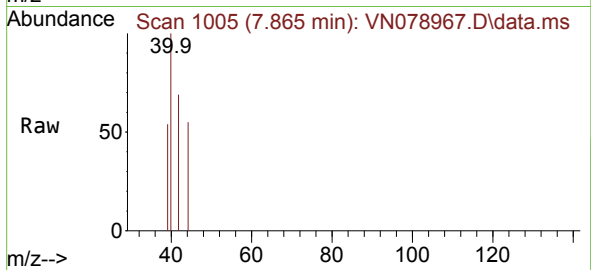
Tgt Ion: 43 Resp: 371
 Ion Ratio Lower Upper
 43 100
 72 33.4 30.2 45.2



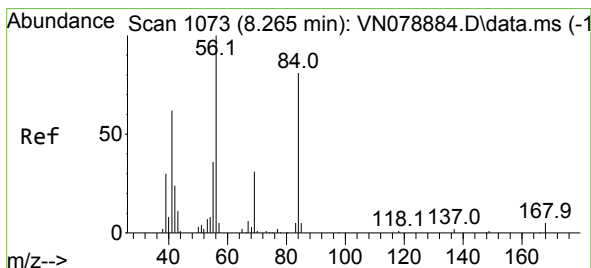
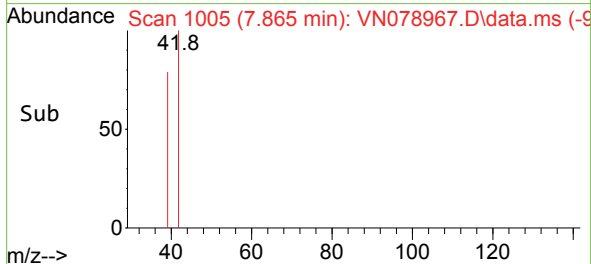
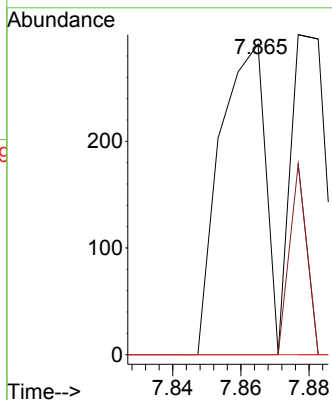


#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 7.865 min Scan# 1067
Delta R.T. 0.018 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

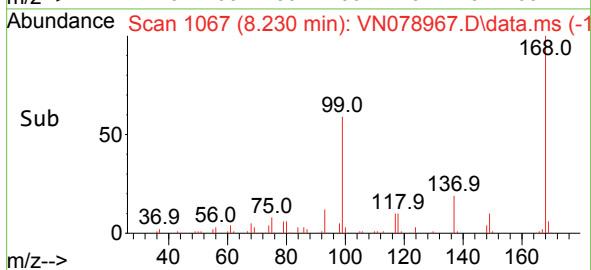
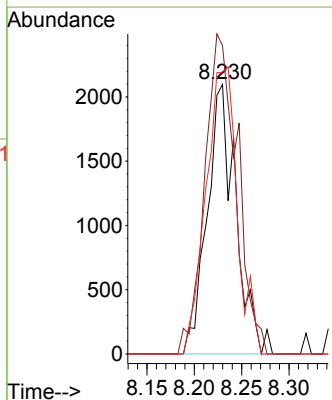
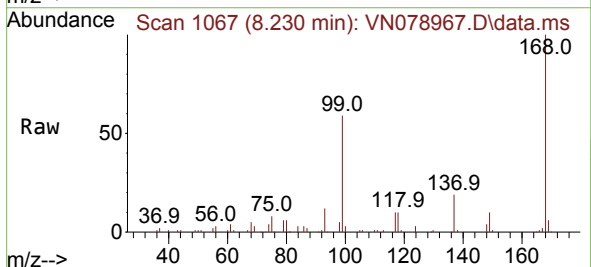


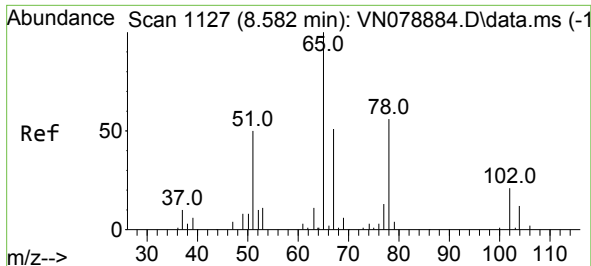
Tgt Ion: 42 Resp: 268
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion: 56 Resp: 4409
Ion Ratio Lower Upper
56 100
69 114.3 26.8 40.2#
84 104.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 47.486 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

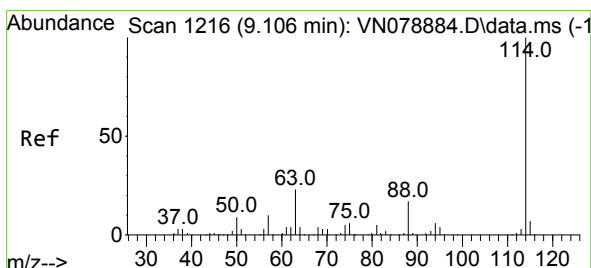
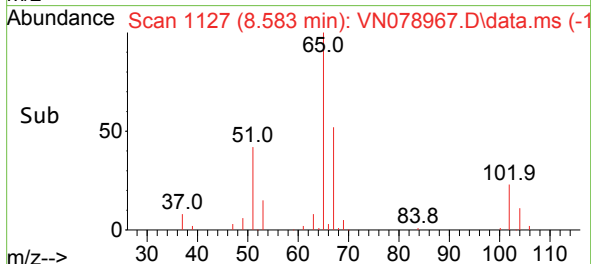
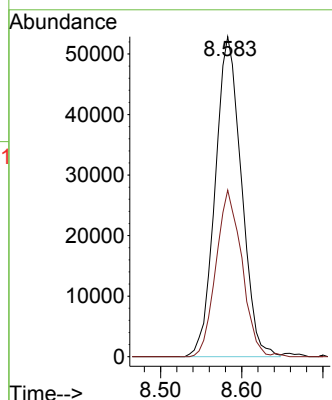
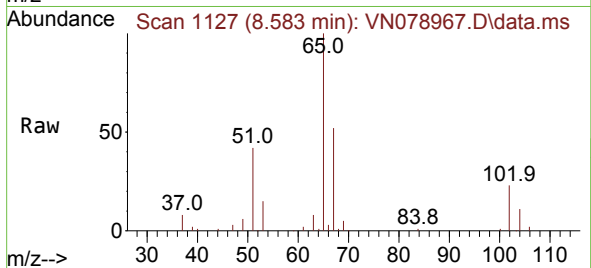
ClientSampleId :

Tgt Ion: 65 Resp: 118573

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

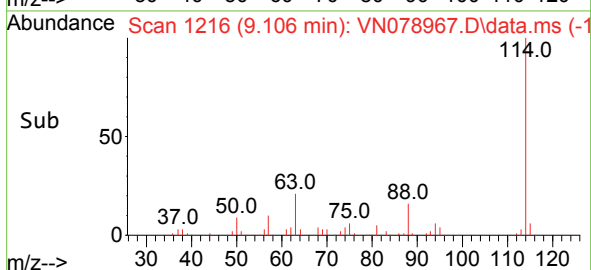
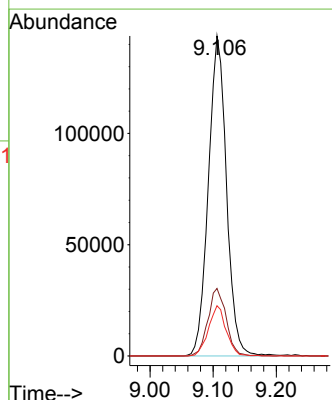
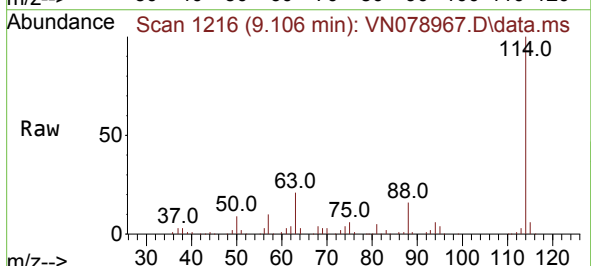
Tgt Ion: 114 Resp: 287156

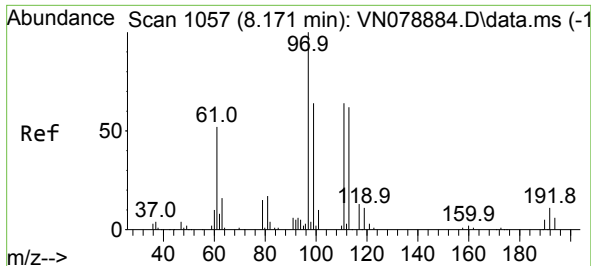
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.964 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

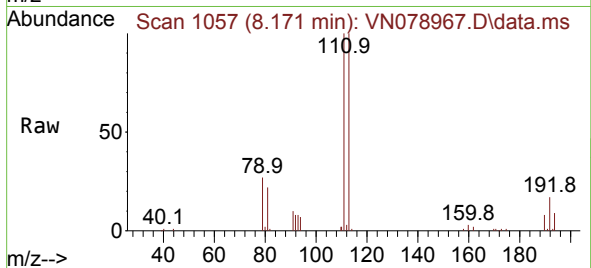
Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :



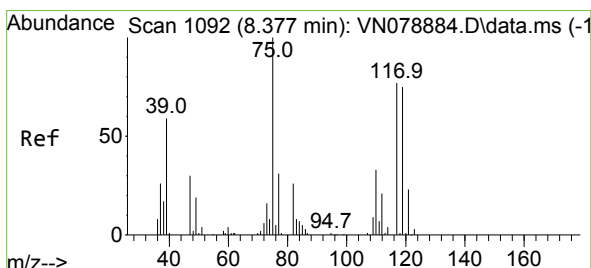
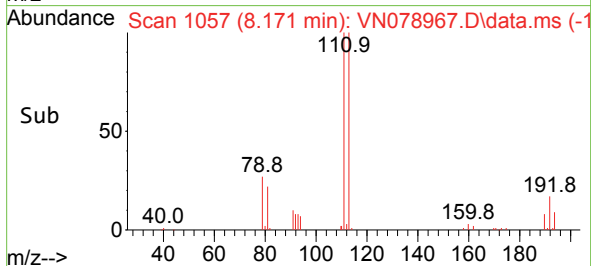
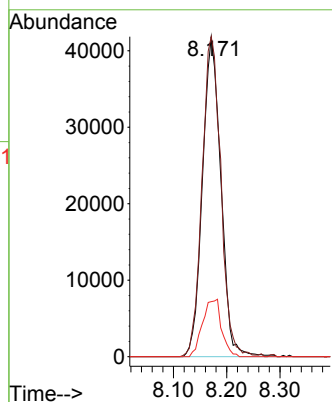
Tgt Ion:113 Resp: 100445

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 18.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.810 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

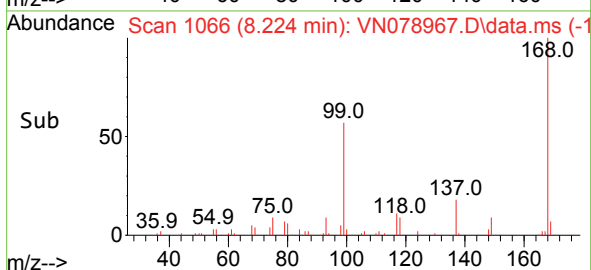
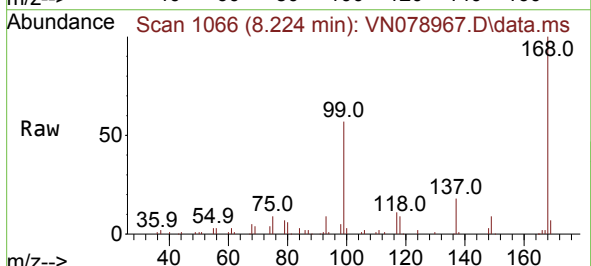
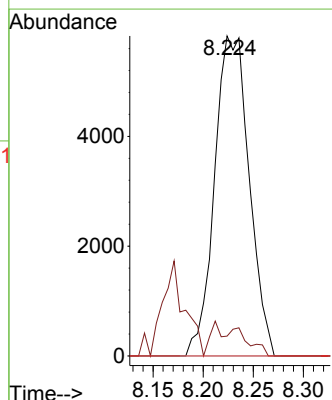
Tgt Ion: 75 Resp: 13986

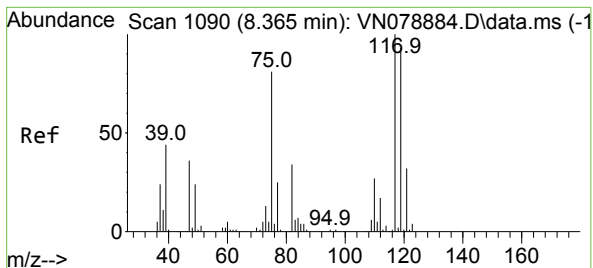
Ion Ratio Lower Upper

75 100

110 4.7 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

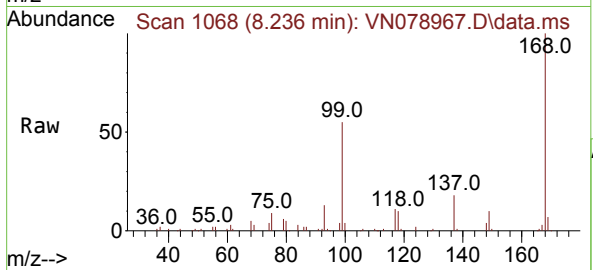
Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :



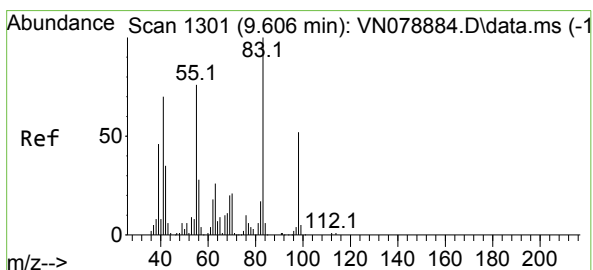
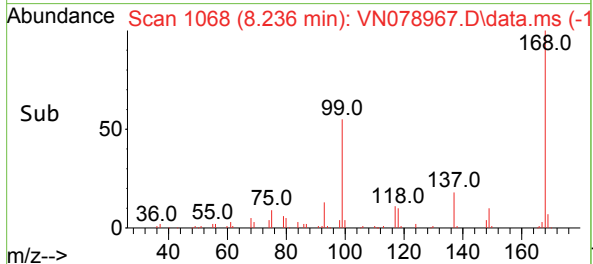
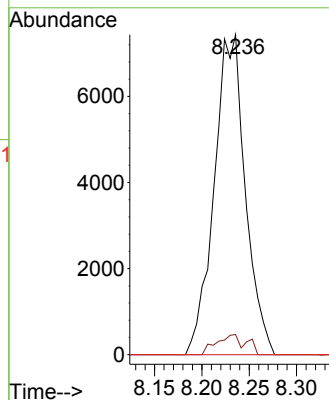
Tgt Ion:117 Resp: 17027

Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 0.372 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

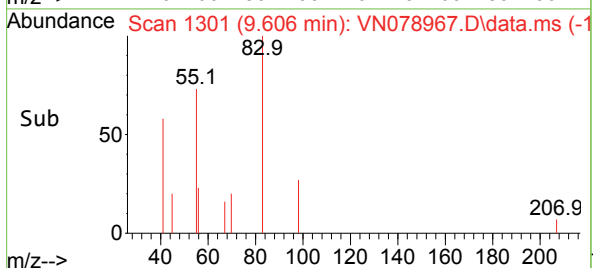
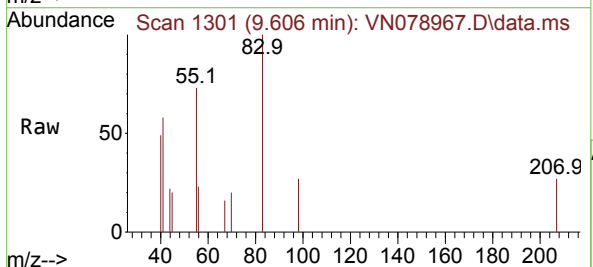
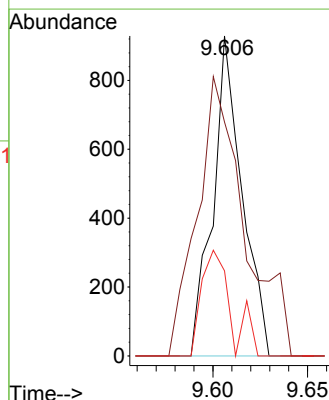
Tgt Ion: 83 Resp: 994

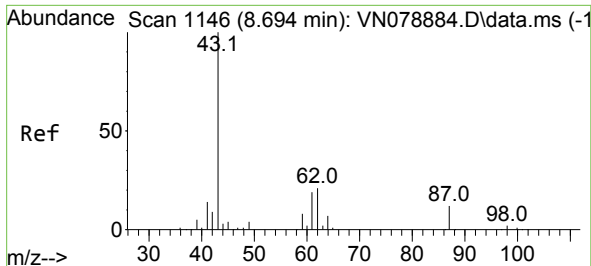
Ion Ratio Lower Upper

83 100

55 52.3 49.1 73.7

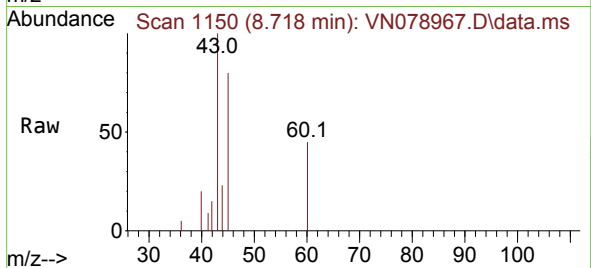
98 26.6 40.6 61.0#



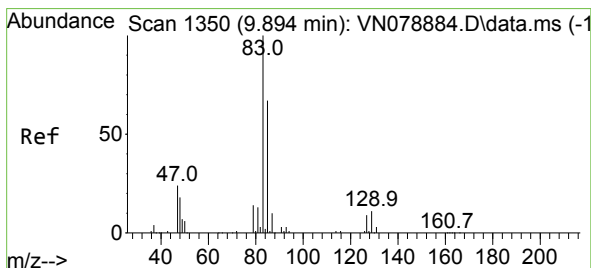
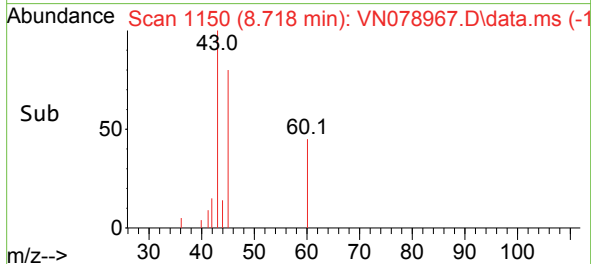
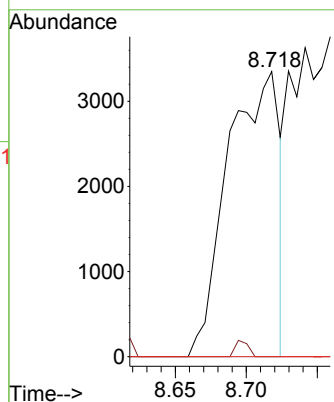


#43
Isopropyl Acetate
Concen: 1.467 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

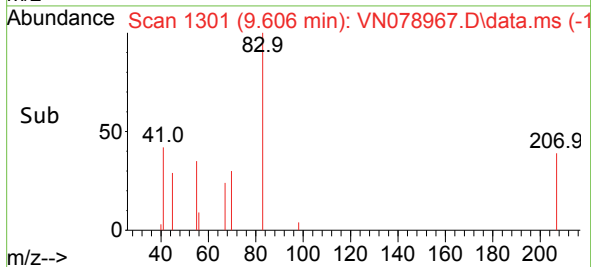
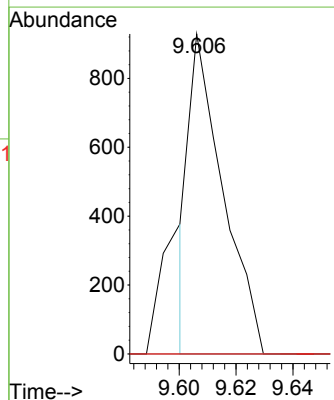
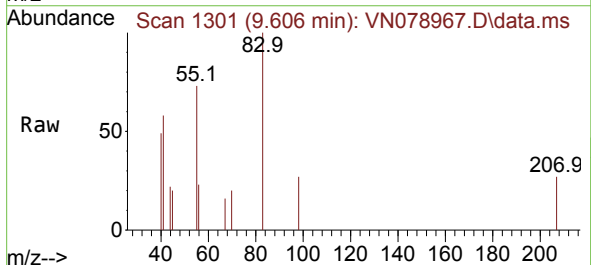


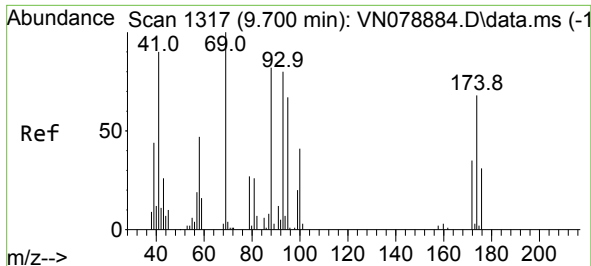
Tgt Ion: 43 Resp: 8436
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#47
Bromodichloromethane
Concen: 0.245 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.288 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion: 83 Resp: 758
Ion Ratio Lower Upper
83 100
85 0.0 49.6 74.4#
127 0.0 7.0 10.6#





#49

1,4-Dioxane

Concen: 1.735 ug/l

RT: 9.718 min Scan# 1

Delta R.T. 0.018 min

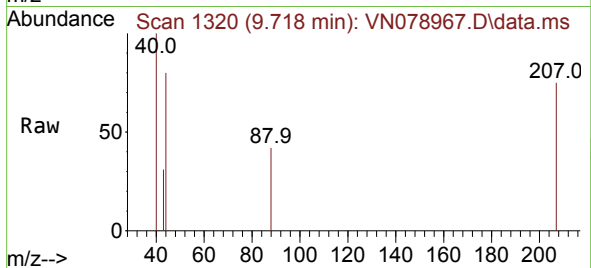
Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :



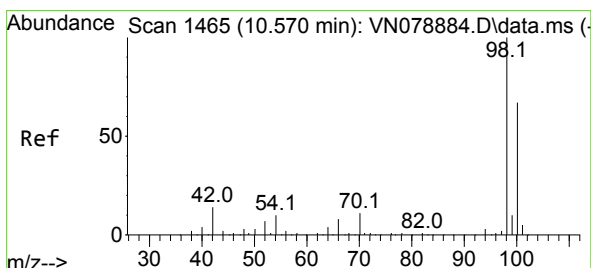
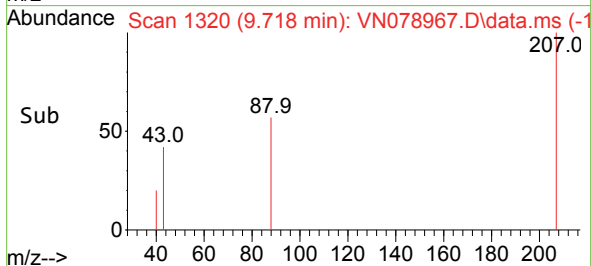
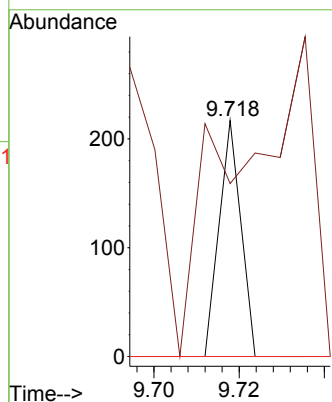
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 475.3 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 49.542 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078967.D

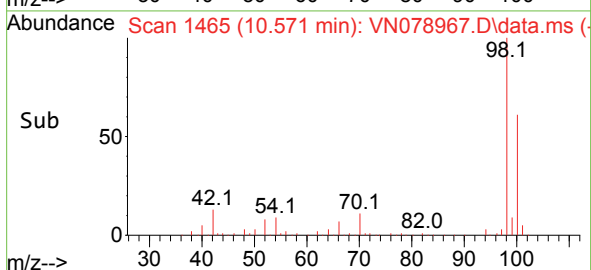
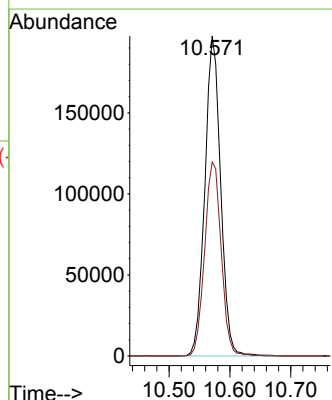
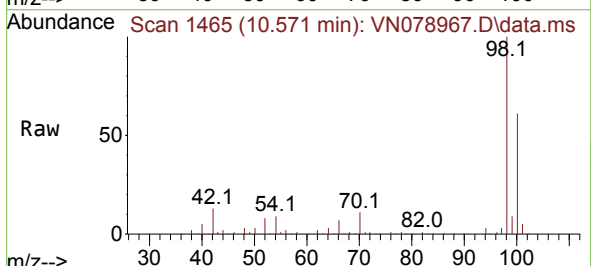
Acq: 21 Aug 2023 11:55

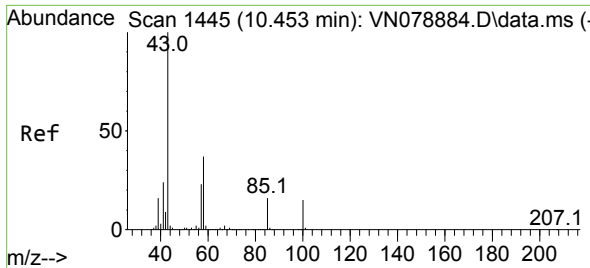
Tgt Ion: 98 Resp: 355578

Ion Ratio Lower Upper

98 100

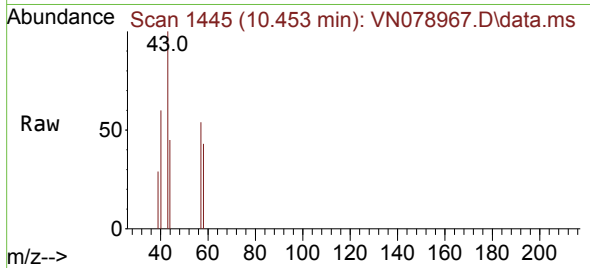
100 63.5 52.0 78.0



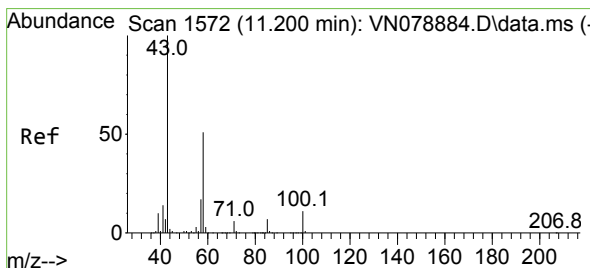
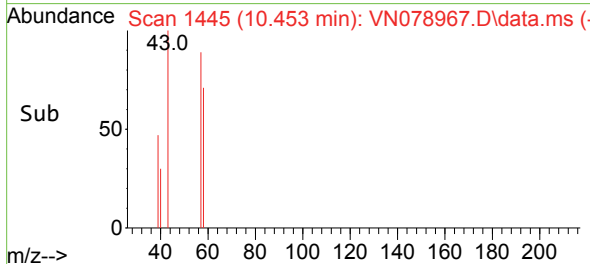
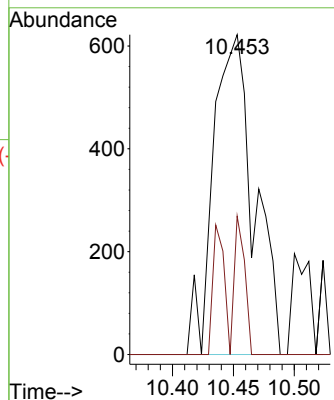


#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

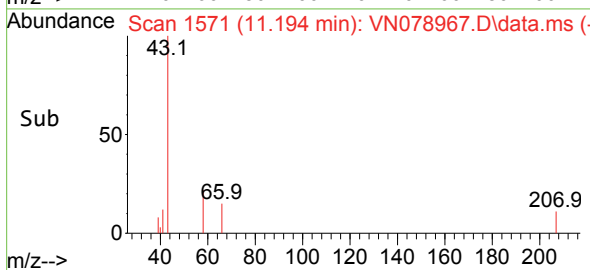
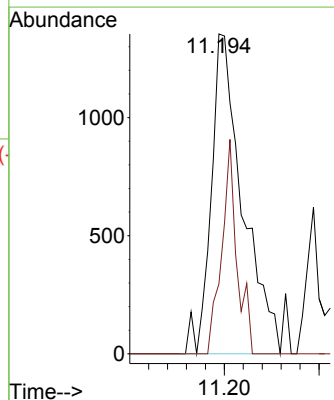
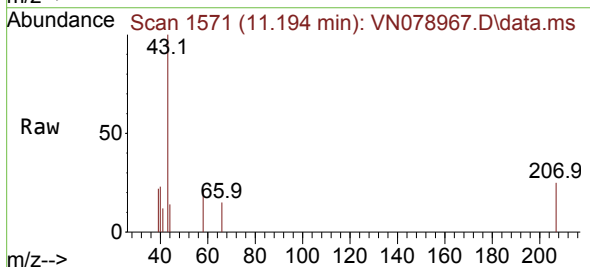


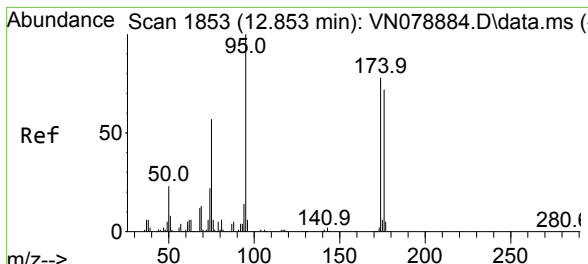
Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
58 11.0 36.6 54.8#



#59
2-Hexanone
Concen: 1.267 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion: 43 Resp: 3129
Ion Ratio Lower Upper
43 100
58 32.4 31.7 95.1

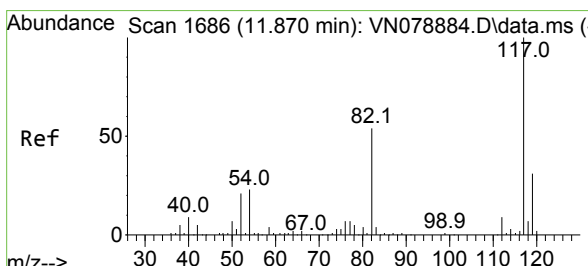
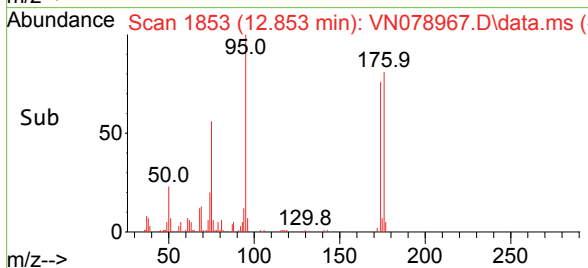
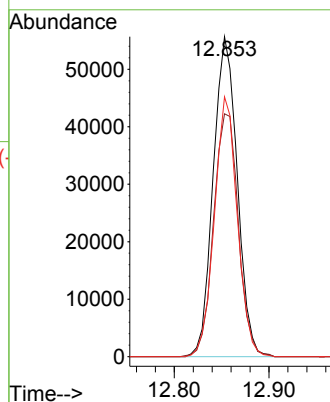
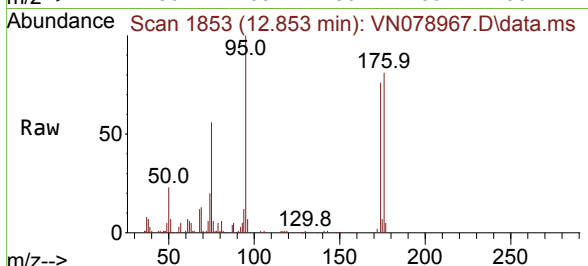




#62
4-Bromofluorobenzene
Concen: 41.856 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

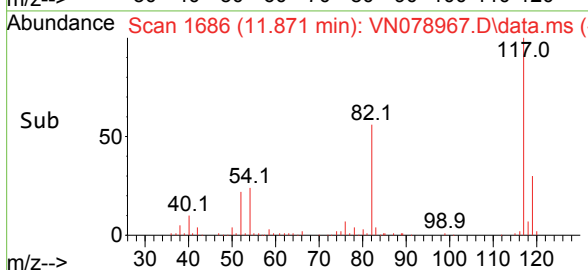
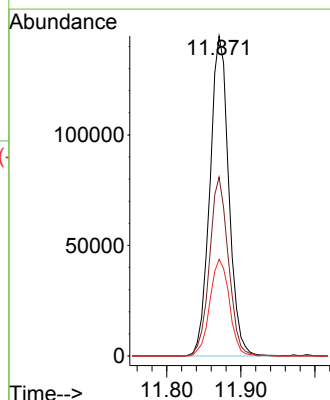
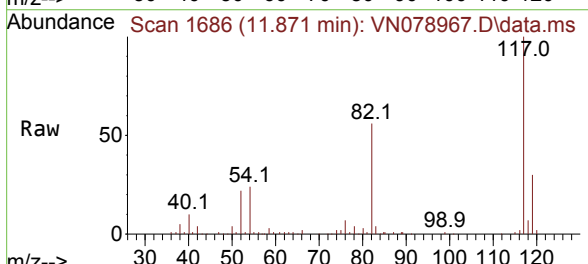
Instrument :
MSVOA_N
ClientSampleId :

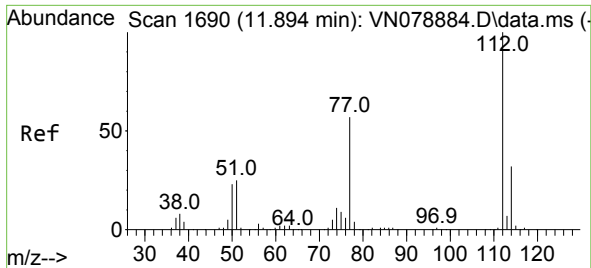
Tgt Ion:	95	Resp:	98194
Ion Ratio	Lower	Upper	
95	100		
174	78.2	0.0	143.8
176	77.6	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion:	117	Resp:	256000
Ion Ratio	Lower	Upper	
117	100		
82	55.9	44.0	66.0
119	30.2	25.6	38.4

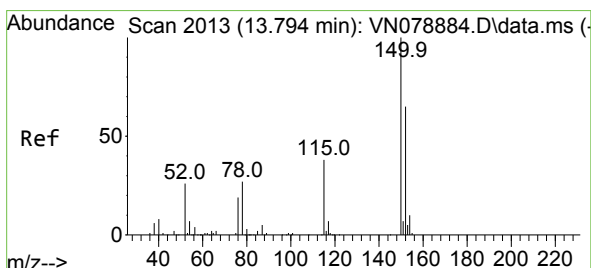
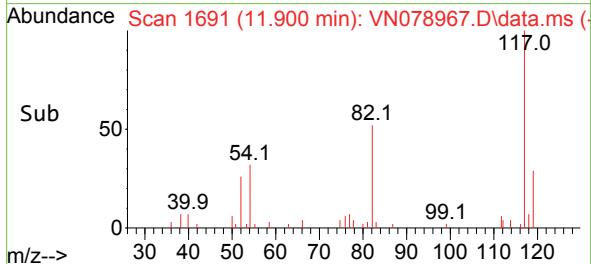
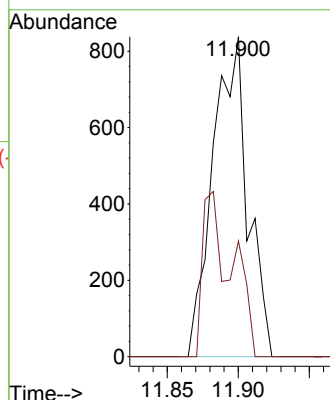
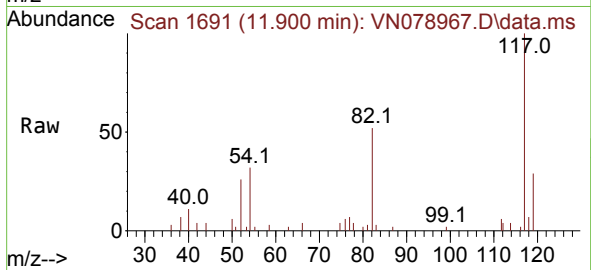




#65
Chlorobenzene
Concen: 0.263 ug/l
RT: 11.900 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

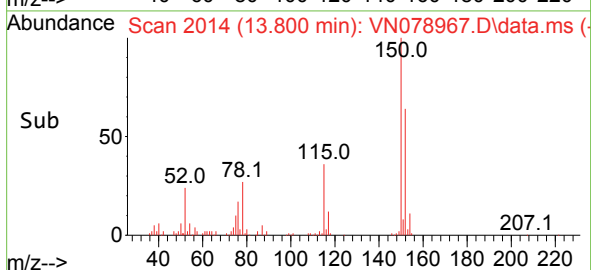
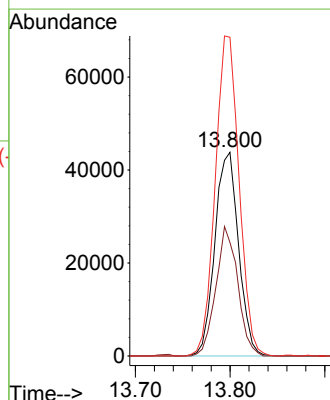
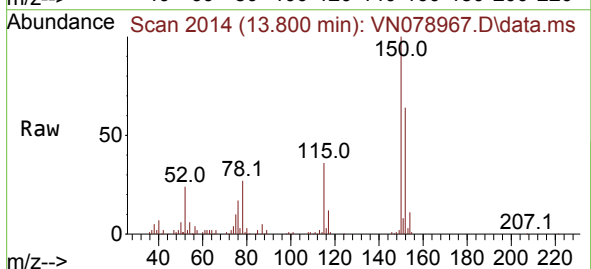
Instrument :
MSVOA_N
ClientSampleId :

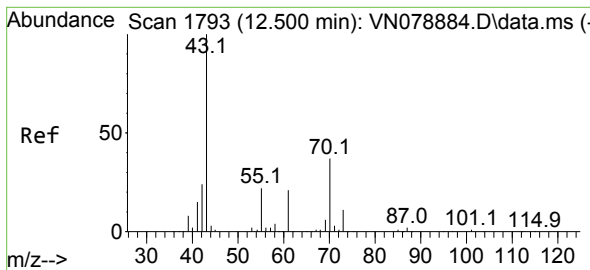
Tgt Ion:112 Resp: 1431
Ion Ratio Lower Upper
112 100
114 36.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Tgt Ion:152 Resp: 76240
Ion Ratio Lower Upper
152 100
115 58.7 32.3 96.8
150 158.0 0.0 355.8





#74

N-amy1 acetate

Concen: 0.354 ug/l

RT: 12.500 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1135

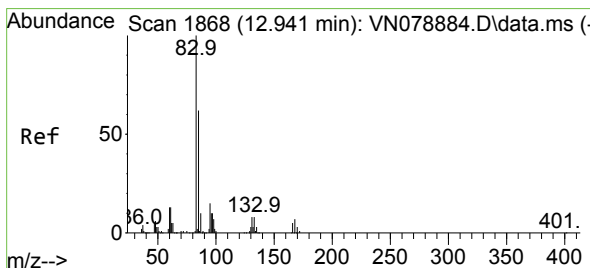
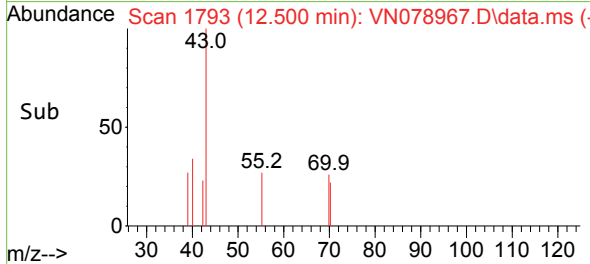
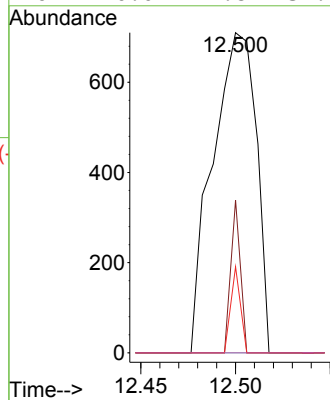
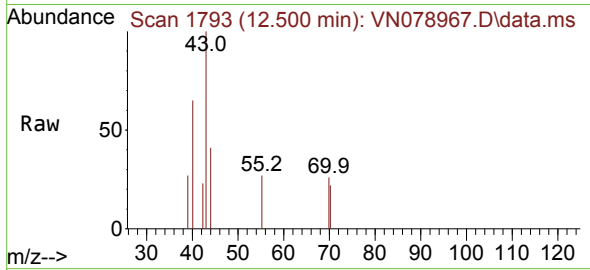
Ion Ratio Lower Upper

43 100

70 10.6 43.4 65.2#

55 5.9 21.4 32.0#

61 0.0 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.245 ug/l

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

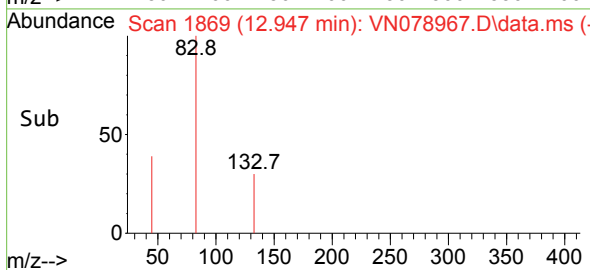
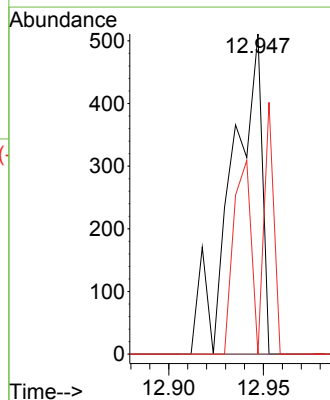
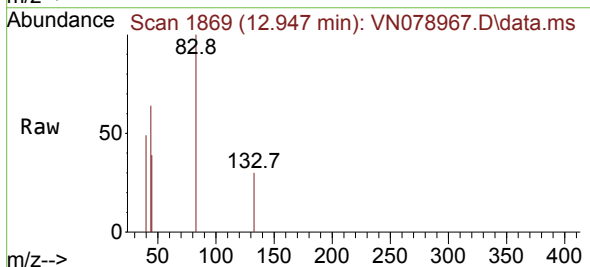
Tgt Ion: 83 Resp: 563

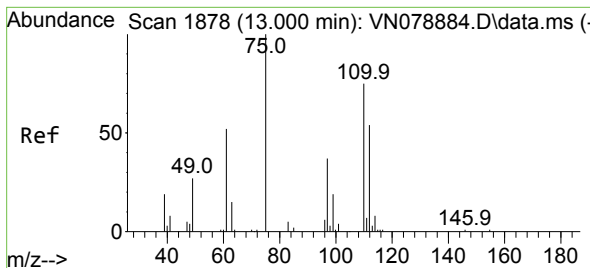
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 35.3 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 28.228 ug/l

RT: 12.853 min Scan# 11

Delta R.T. -0.147 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

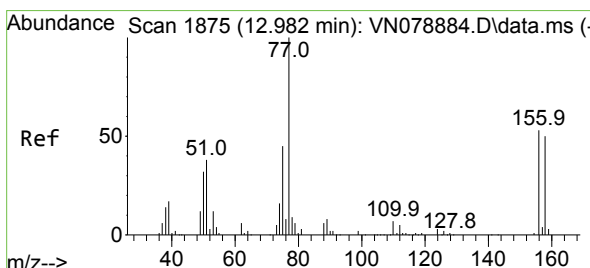
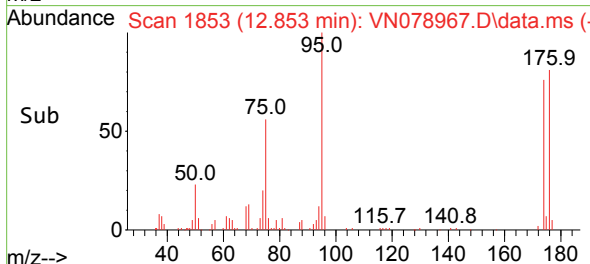
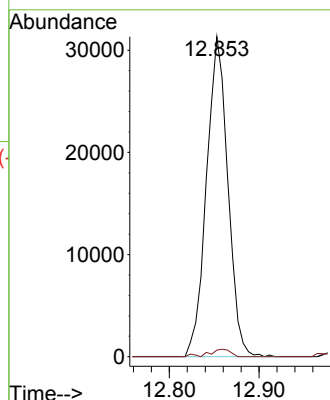
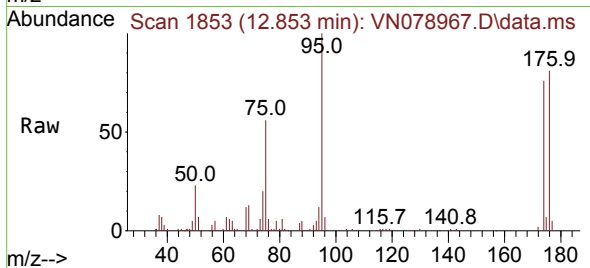
ClientSampleId :

Tgt Ion: 75 Resp: 51856

Ion Ratio Lower Upper

75 100

77 2.3 84.5 253.5#



#77

Bromobenzene

Concen: 0.361 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

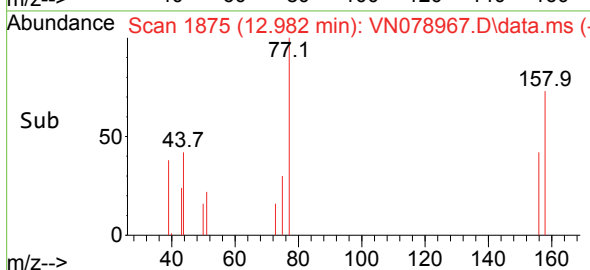
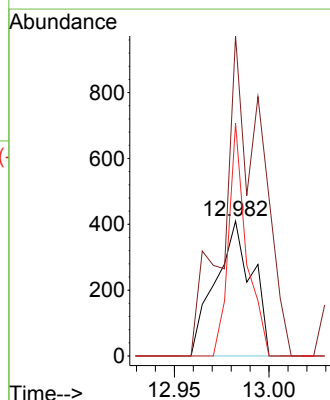
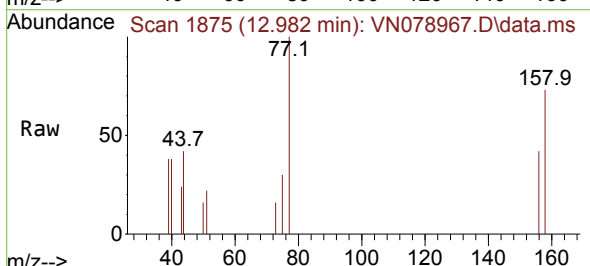
Tgt Ion:156 Resp: 552

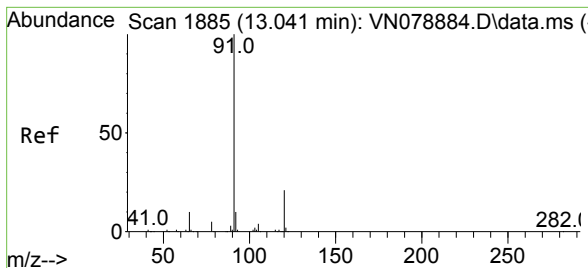
Ion Ratio Lower Upper

156 100

77 240.6 107.7 323.3

158 84.2 48.4 145.3





#78

n-propylbenzene

Concen: 0.279 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

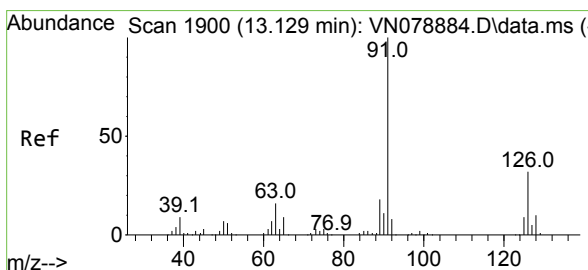
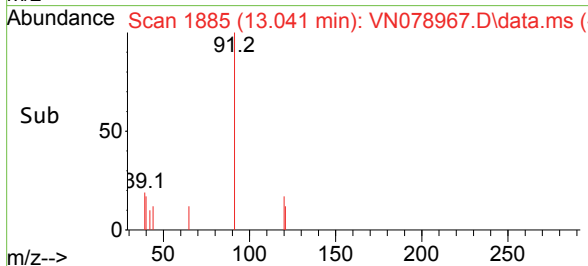
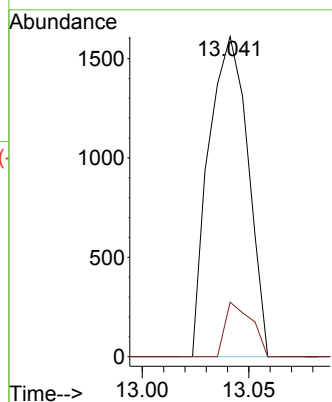
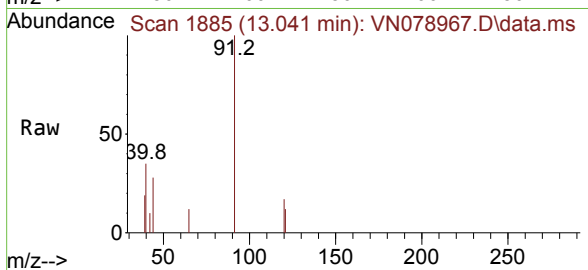
ClientSampleId :

Tgt Ion: 91 Resp: 2059

Ion Ratio Lower Upper

91 100

120 11.5 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.285 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078967.D

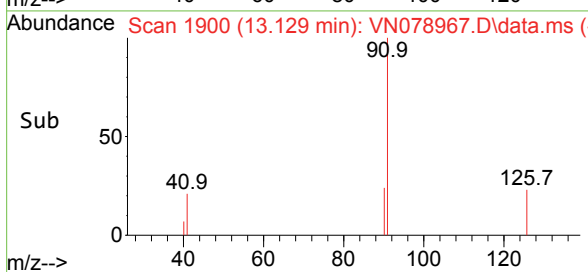
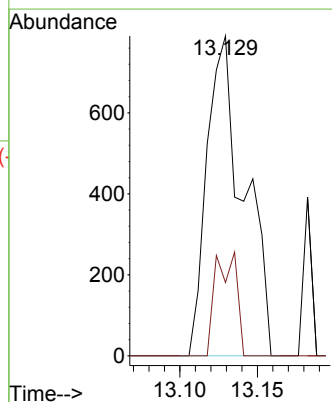
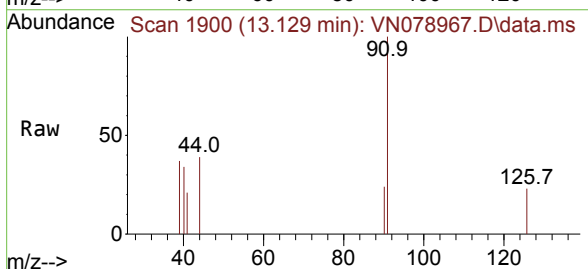
Acq: 21 Aug 2023 11:55

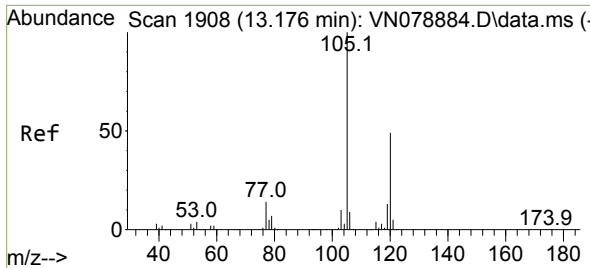
Tgt Ion: 91 Resp: 1303

Ion Ratio Lower Upper

91 100

126 18.6 16.3 48.8

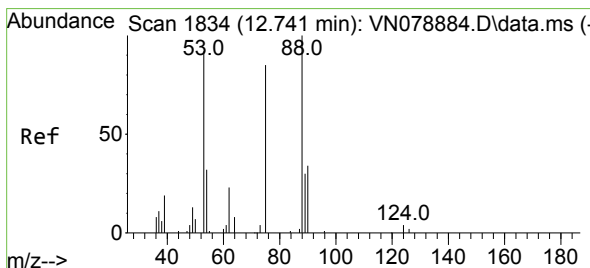
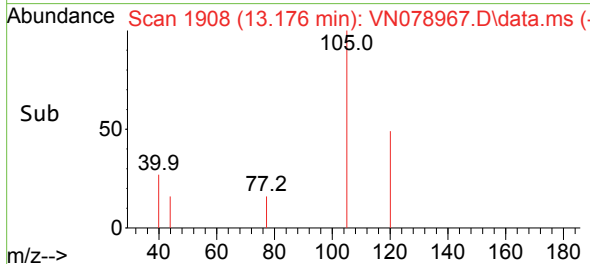
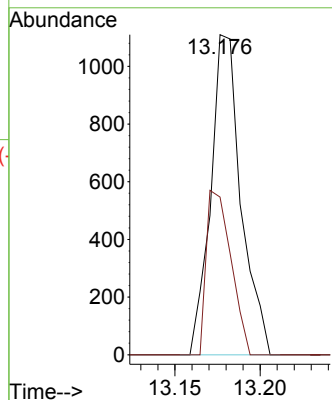
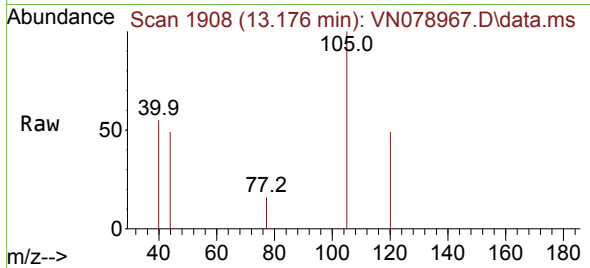




#80
 1,3,5-Trimethylbenzene
 Concen: 0.273 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN078967.D
 Acq: 21 Aug 2023 11:55

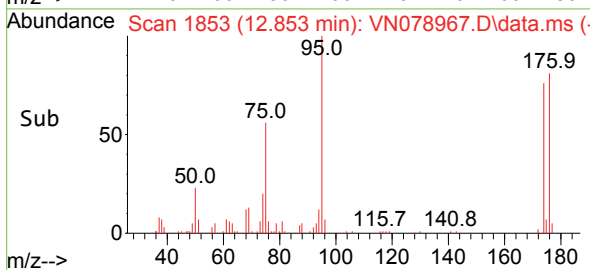
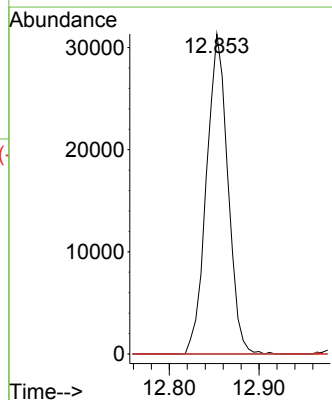
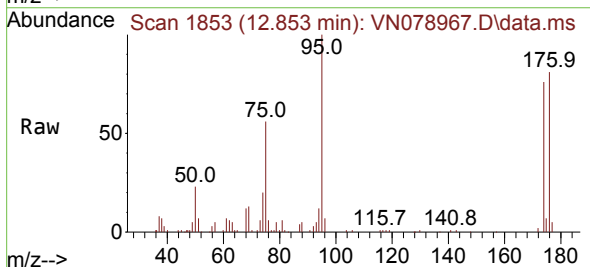
Instrument :
 MSVOA_N
 ClientSampleId :

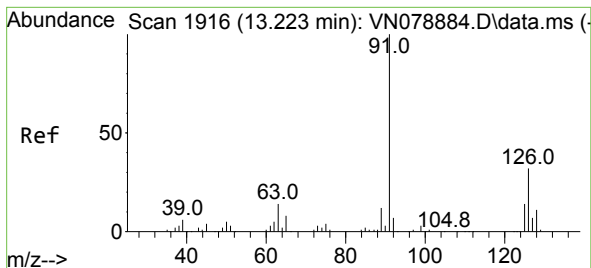
Tgt Ion:105 Resp: 1373
 Ion Ratio Lower Upper
 105 100
 120 41.6 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.111 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078967.D
 Acq: 21 Aug 2023 11:55

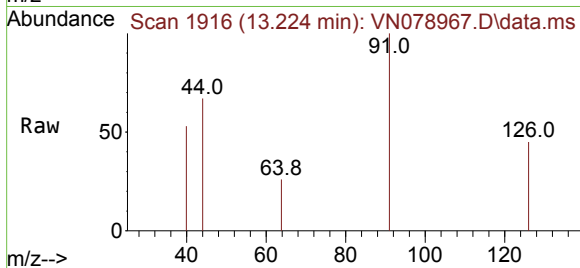
Tgt Ion: 75 Resp: 51856
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



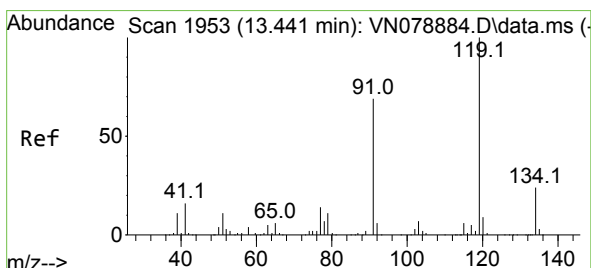
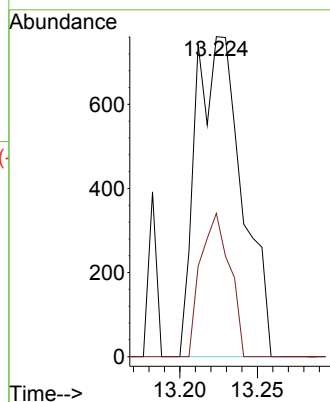
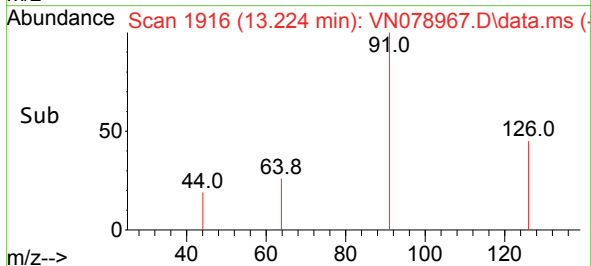


#82
4-Chlorotoluene
Concen: 0.352 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. -0.005 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

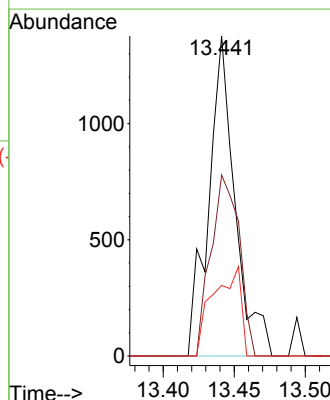
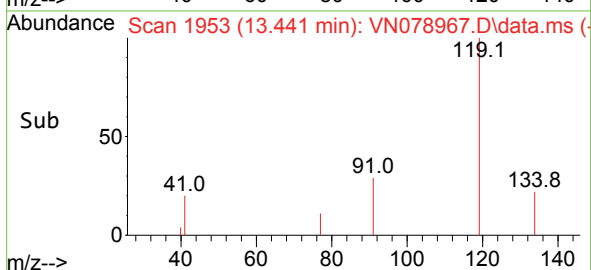
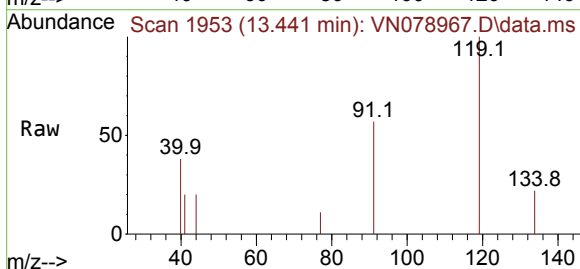


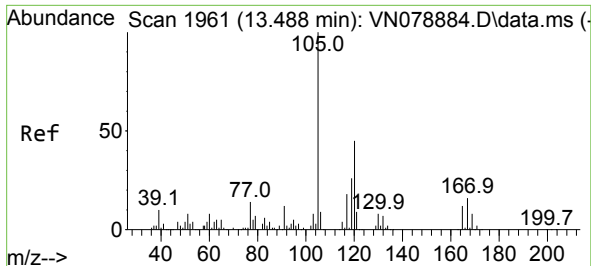
Tgt Ion: 91 Resp: 1576
Ion Ratio Lower Upper
91 100
126 28.3 16.7 50.0



#83
tert-Butylbenzene
Concen: 0.422 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

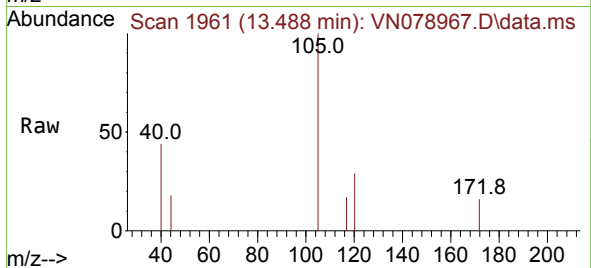
Tgt Ion: 119 Resp: 1788
Ion Ratio Lower Upper
119 100
91 60.5 33.9 101.7
134 29.1 13.2 39.6



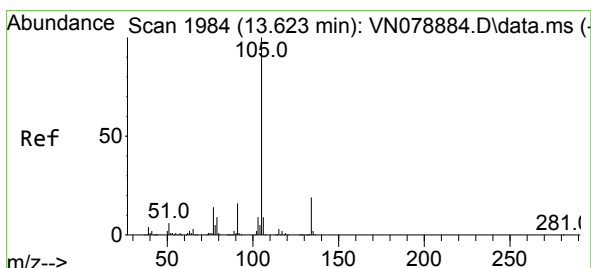
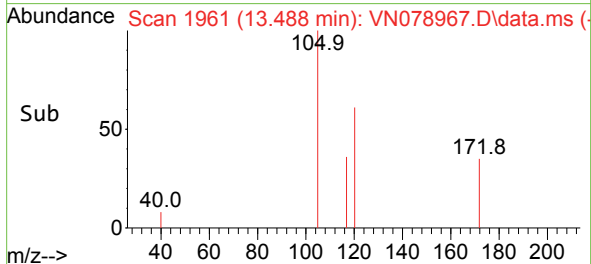
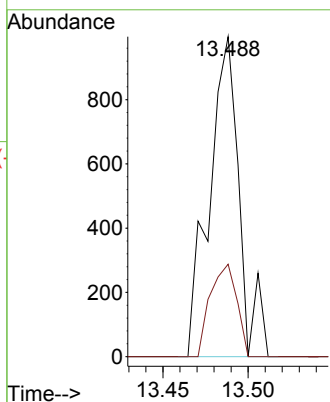


#84
1,2,4-Trimethylbenzene
Concen: 0.245 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

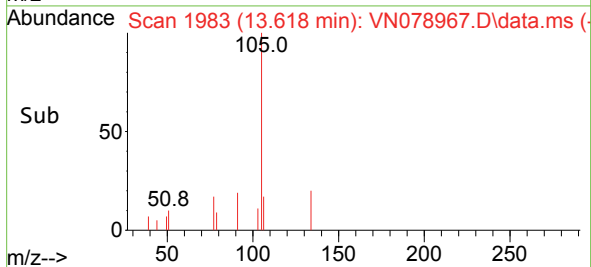
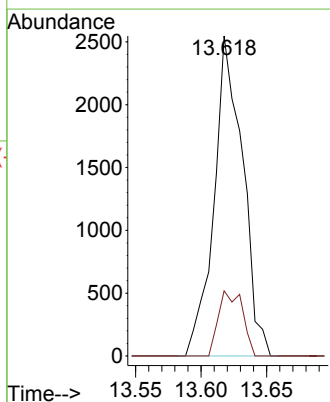
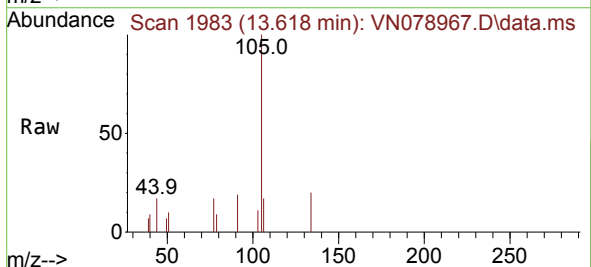


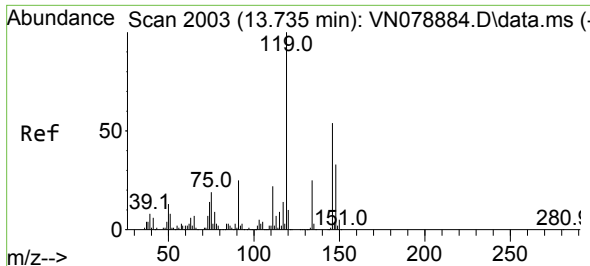
Tgt Ion:105 Resp: 1220
Ion Ratio Lower Upper
105 100
120 25.4 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.664 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. -0.005 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

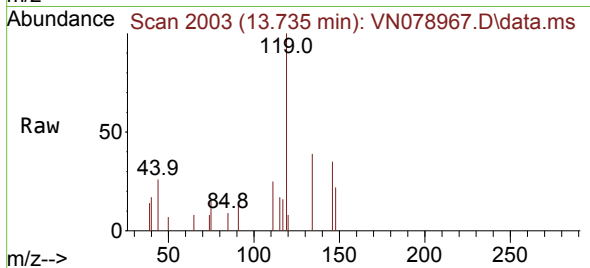
Tgt Ion:105 Resp: 3866
Ion Ratio Lower Upper
105 100
134 17.1 9.8 29.3



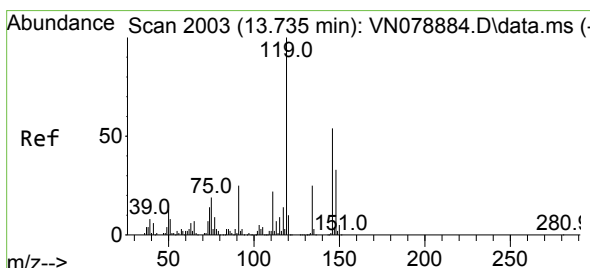
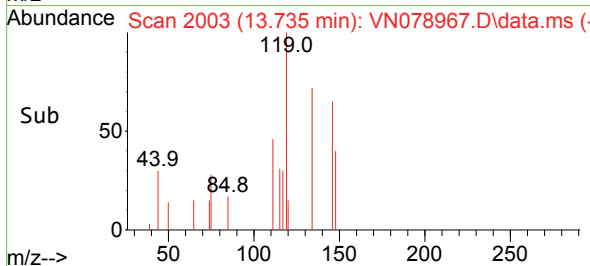
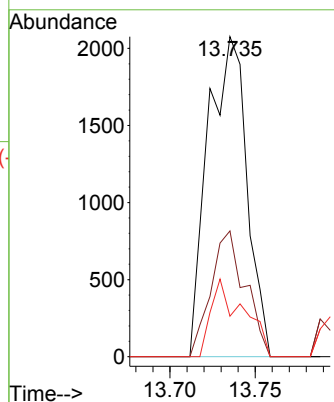


#86
 p-Isopropyltoluene
 Concen: 0.708 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078967.D
 Acq: 21 Aug 2023 11:55

Instrument :
 MSVOA_N
 ClientSampleId :

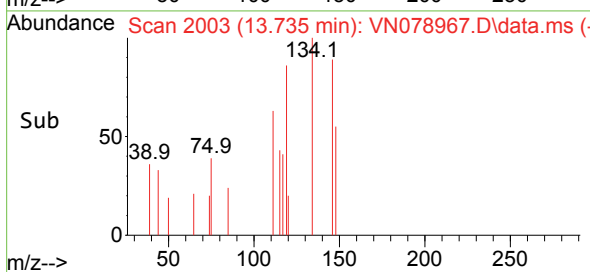
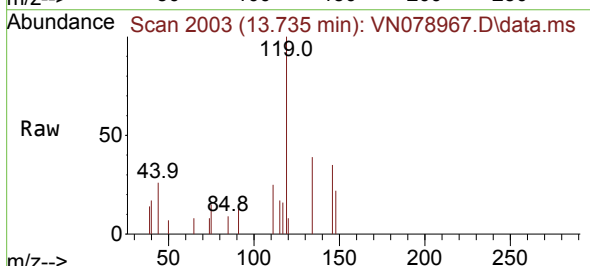
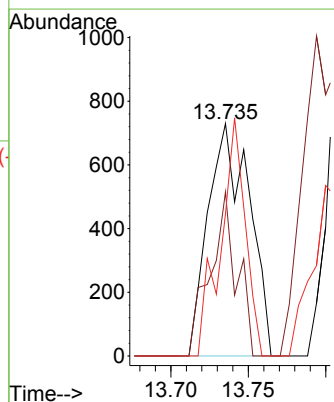


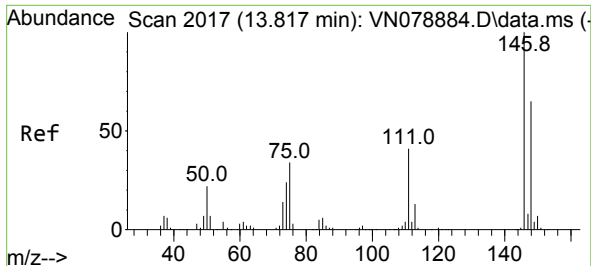
Tgt Ion:	119	Resp:	3297
Ion Ratio	Lower	Upper	
119	100		
134	34.6	12.6	37.8
91	20.2	12.4	37.2



#87
 1,3-Dichlorobenzene
 Concen: 0.513 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.006 min
 Lab File: VN078967.D
 Acq: 21 Aug 2023 11:55

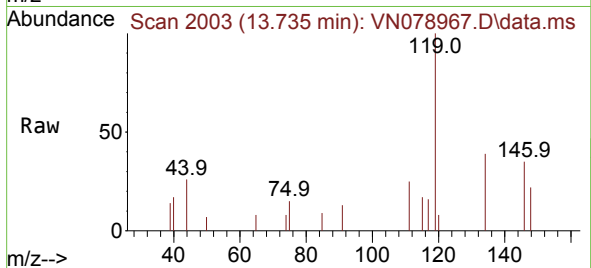
Tgt Ion:	146	Resp:	1348
Ion Ratio	Lower	Upper	
146	100		
111	45.8	22.1	66.3
148	61.6	32.0	96.0



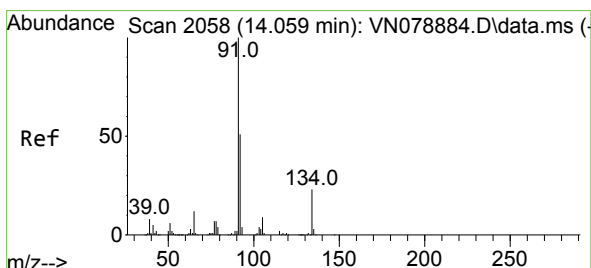
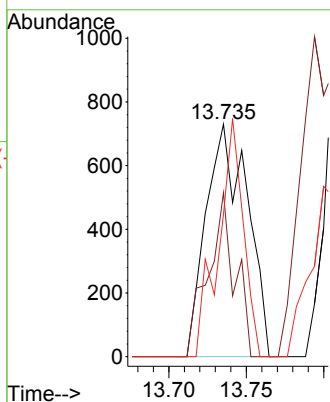
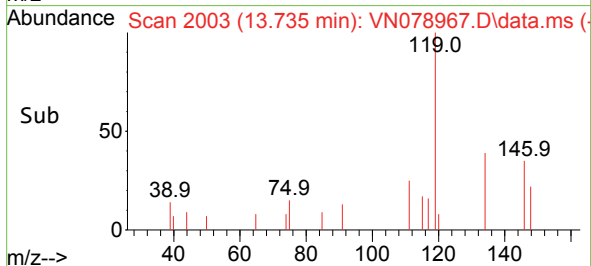


#88
1,4-Dichlorobenzene
Concen: 0.512 ug/l
RT: 13.735 min Scan# 2017
Delta R.T. -0.083 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

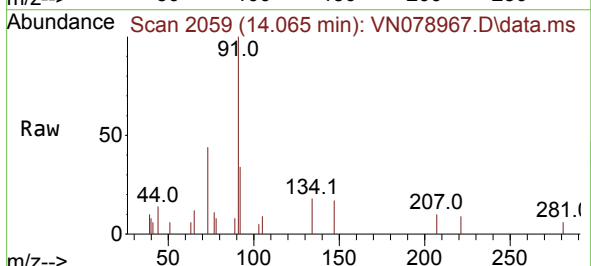
Instrument :
MSVOA_N
ClientSampleId :



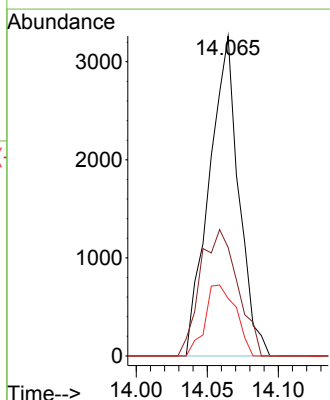
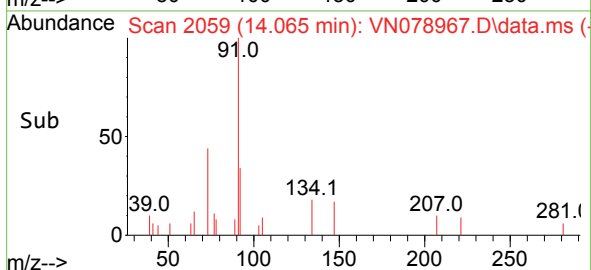
Tgt Ion:146 Resp: 1348
Ion Ratio Lower Upper
146 100
111 45.8 20.6 61.8
148 61.6 31.6 94.8

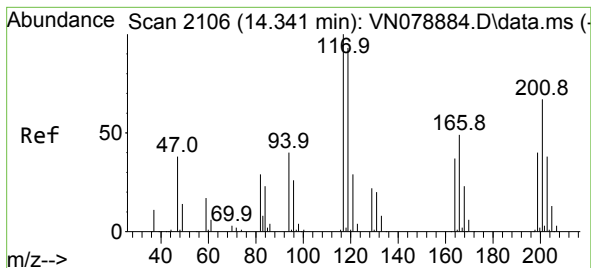


#89
n-Butylbenzene
Concen: 1.235 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55



Tgt Ion: 91 Resp: 4729
Ion Ratio Lower Upper
91 100
92 50.1 26.4 79.0
134 23.0 12.6 37.6





#90

Hexachloroethane

Concen: 0.749 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

Instrument :

MSVOA_N

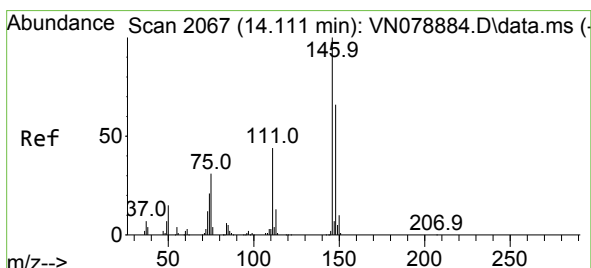
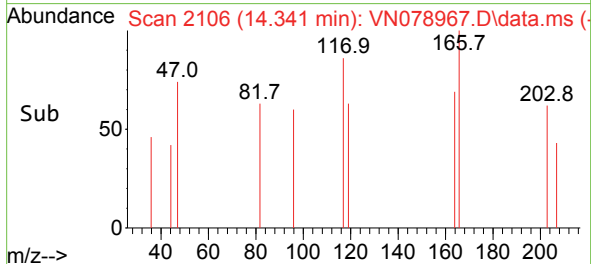
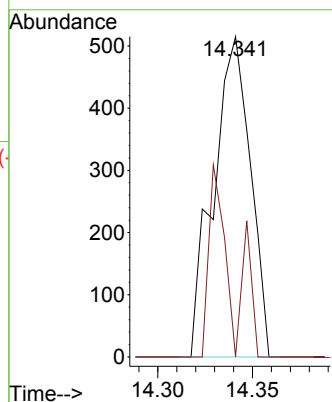
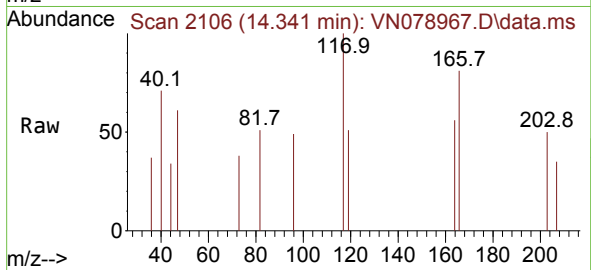
ClientSampleId :

Tgt Ion:117 Resp: 699

Ion Ratio Lower Upper

117 100

201 25.3 29.3 88.0#



#91

1,2-Dichlorobenzene

Concen: 0.433 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN078967.D

Acq: 21 Aug 2023 11:55

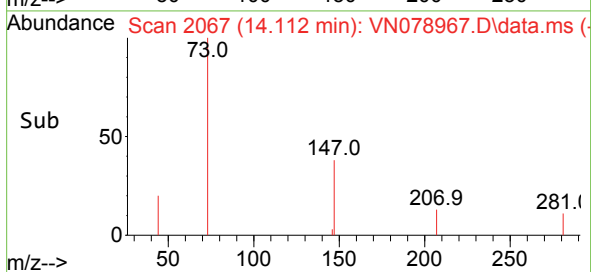
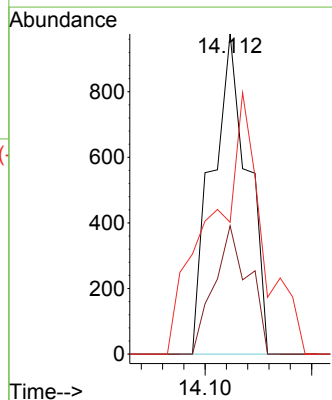
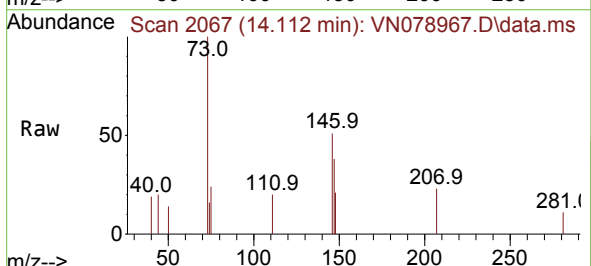
Tgt Ion:146 Resp: 1132

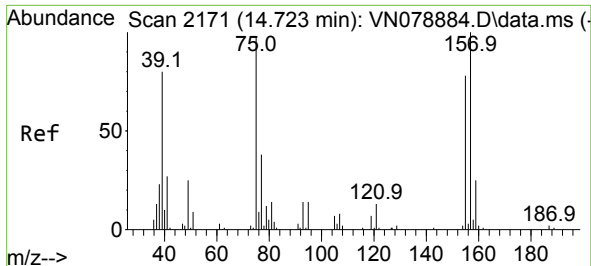
Ion Ratio Lower Upper

146 100

111 39.0 22.0 66.0

148 115.9 31.8 95.3#

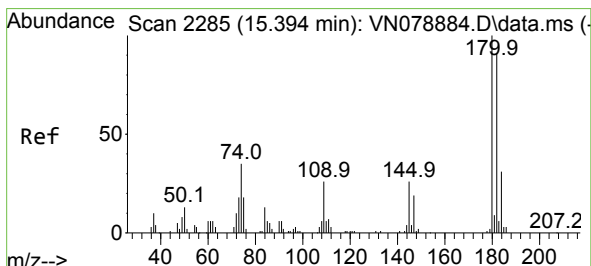
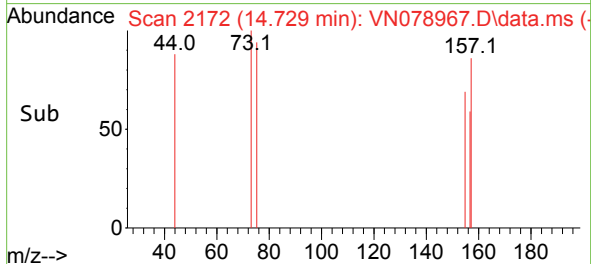
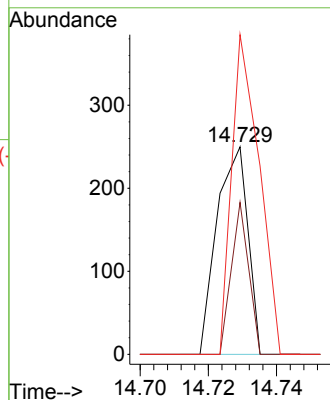
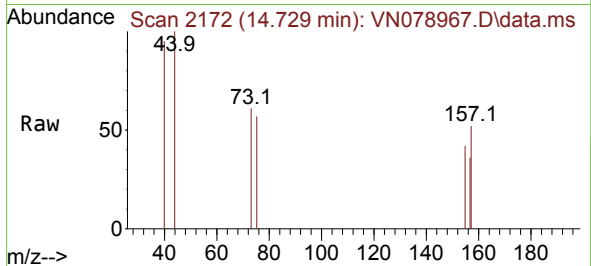




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.729 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

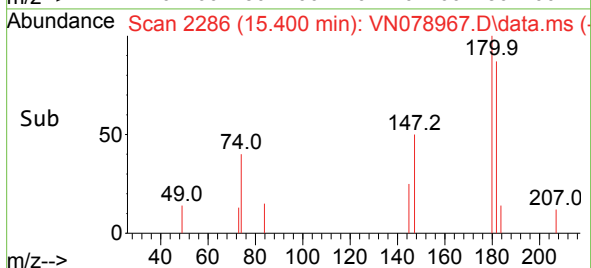
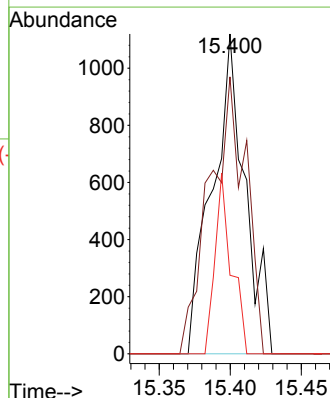
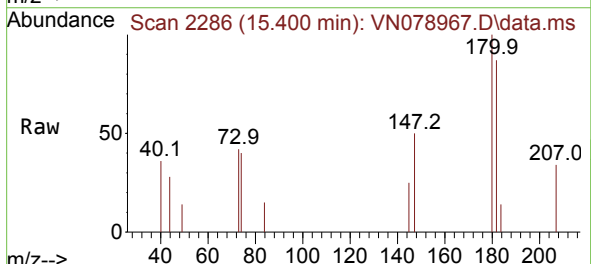
Instrument :
MSVOA_N
ClientSampleId :

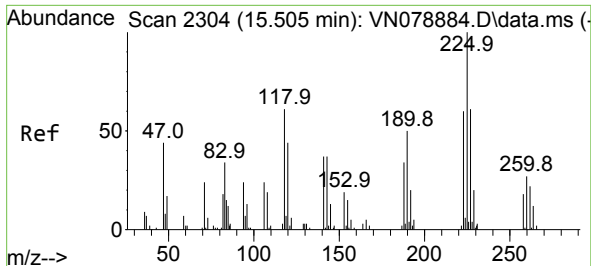
Tgt Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
155 41.4 39.1 117.2
157 137.6 50.3 150.9



#93
1,2,4-Trichlorobenzene
Concen: 1.938 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

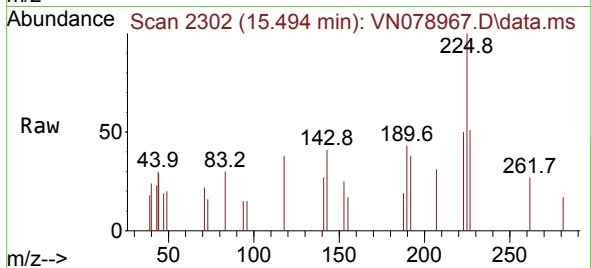
Tgt Ion: 180 Resp: 1796
Ion Ratio Lower Upper
180 100
182 95.4 46.1 138.2
145 28.3 16.6 49.8



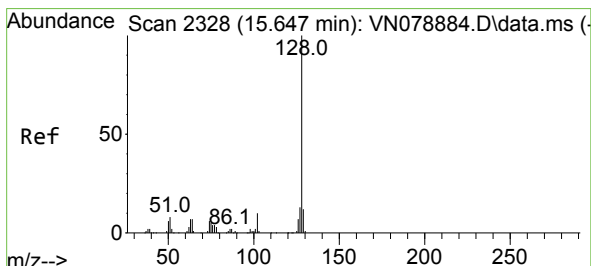
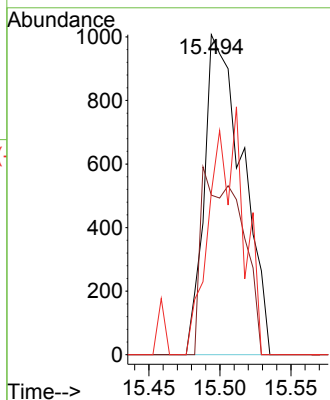
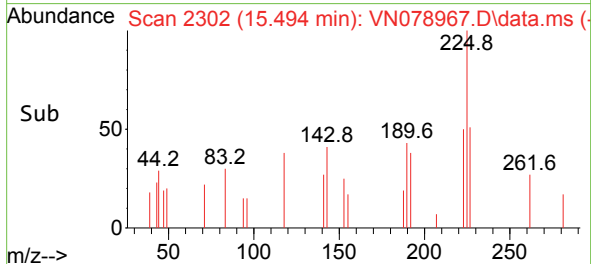


#94
Hexachlorobutadiene
Concen: 3.223 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55

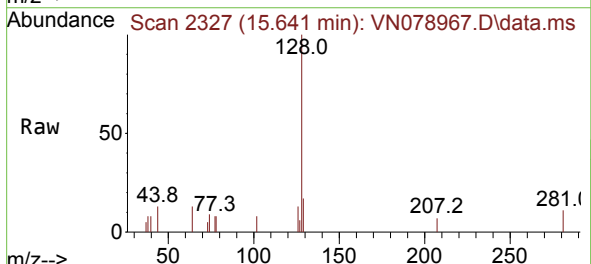
Instrument :
MSVOA_N
ClientSampleId :



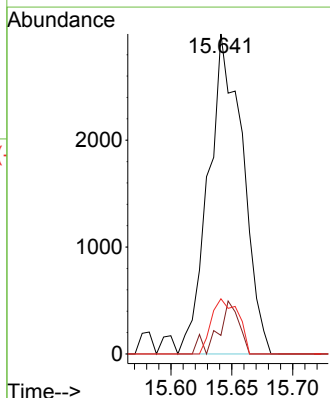
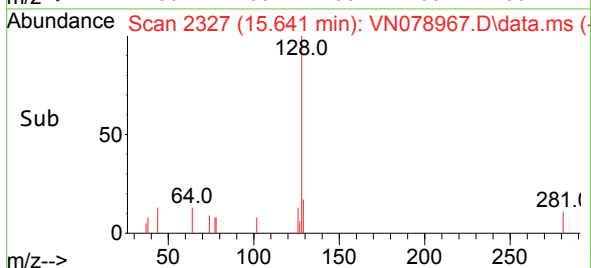
Tgt Ion:225 Resp: 1886
Ion Ratio Lower Upper
225 100
223 60.7 31.3 93.8
227 0.0 31.9 95.9#

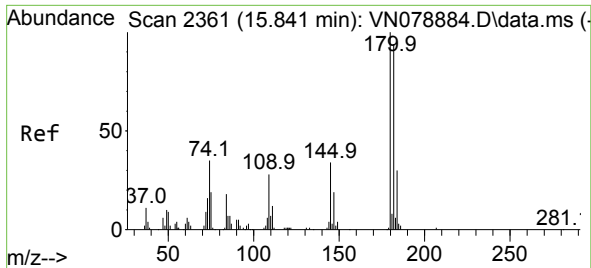


#95
Naphthalene
Concen: 4.158 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078967.D
Acq: 21 Aug 2023 11:55



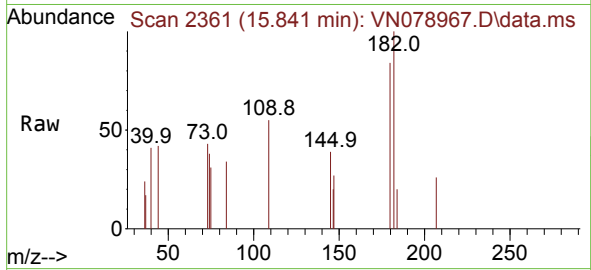
Tgt Ion:128 Resp: 5864
Ion Ratio Lower Upper
128 100
127 10.1 10.0 15.0
129 13.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.766 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078967.D
 Acq: 21 Aug 2023 11:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1793
Ion	Ratio	Lower	Upper
180	100		
182	141.2	46.2	138.6#
145	40.8	17.5	52.6

