

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060223\
 Data File : VN078028.D
 Acq On : 02 Jun 2023 13:45
 Operator : JC\MD
 Sample : 03008-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-18-0A

Quant Time: Jun 05 01:11:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

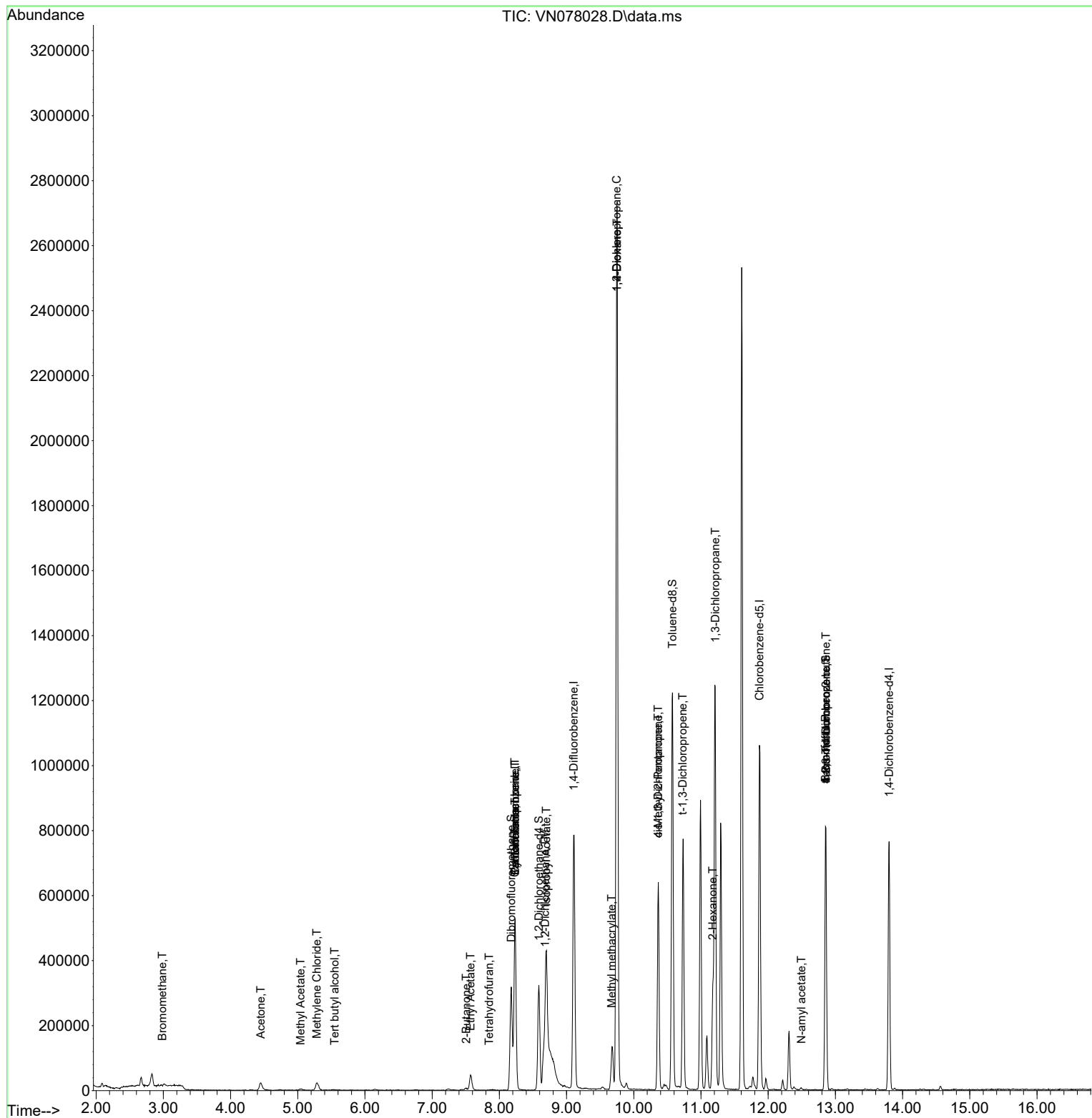
Internal Standards						
1) Pentafluorobenzene	8.235	168	372525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	705381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	650343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	259454	46.548	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.100%		
35) Dibromofluoromethane	8.177	113	227120	49.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.760%		
50) Toluene-d8	10.576	98	883772	49.918	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.840%		
62) 4-Bromofluorobenzene	12.859	95	295814	47.308	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.620%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1093	Below Cal	#	86
5) Bromomethane	2.983	94	1454	0.368	ug/l	99
11) Tert butyl alcohol	5.547	59	887	1.153	ug/l #	72
13) Acrolein	4.189	56	447	Below Cal	#	16
16) Acetone	4.447	43	42783	24.397	ug/l	90
18) Methyl Acetate	5.042	43	6864	0.933	ug/l #	75
20) Methylene Chloride	5.283	84	18831	2.238	ug/l #	80
25) 2-Butanone	7.506	43	9556	3.484	ug/l #	73
29) Tetrahydrofuran	7.847	42	1459	0.812	ug/l #	26
31) Cyclohexane	8.235	56	8773	1.158	ug/l #	9
36) 1,1-Dichloropropene	8.235	75	31409	4.669	ug/l #	46
37) Ethyl Acetate	7.571	43	70449	11.748	ug/l	98
38) Carbon Tetrachloride	8.230	117	41139	6.056	ug/l #	14
42) 1,2-Dichloroethane	8.682	62	2877	0.399	ug/l #	73
43) Isopropyl Acetate	8.700	43	810591	82.758	ug/l #	65
45) 1,2-Dichloropropane	9.747	63	3616	0.714	ug/l #	45
48) Methyl methacrylate	9.671	41	9425	2.030	ug/l #	32
49) 1,4-Dioxane	9.753	88	244	2.782	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	221428	38.032	ug/l #	41
53) t-1,3-Dichloropropene	10.729	75	2310	0.314	ug/l	93
54) cis-1,3-Dichloropropene	10.365	75	121919	15.059	ug/l #	66
57) 1,3-Dichloropropane	11.212	76	14105	1.677	ug/l #	44
59) 2-Hexanone	11.176	43	244113	56.686	ug/l #	19
71) Bromoform	12.853	173	1250	0.385	ug/l #	28
74) N-amyl acetate	12.494	43	3444	0.513	ug/l #	38
76) 1,2,3-Trichloropropane	12.859	75	154393	29.274	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	154393	93.576	ug/l #	15

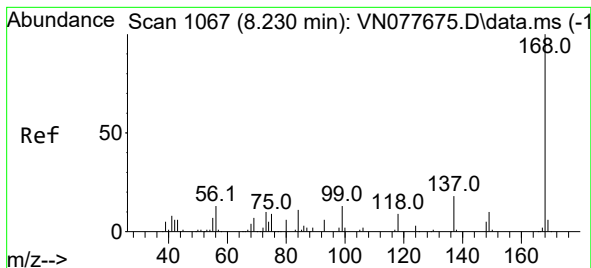
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078028.D

Acq: 02 Jun 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

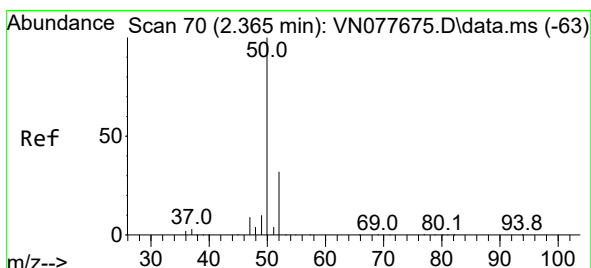
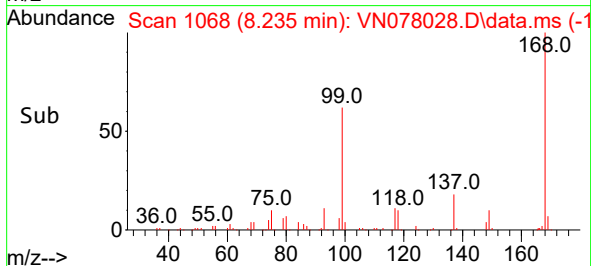
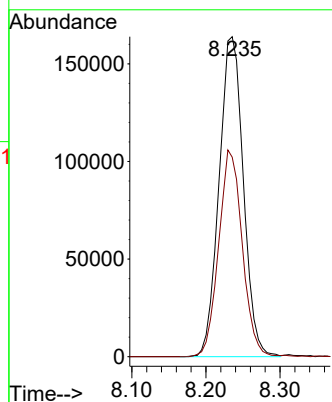
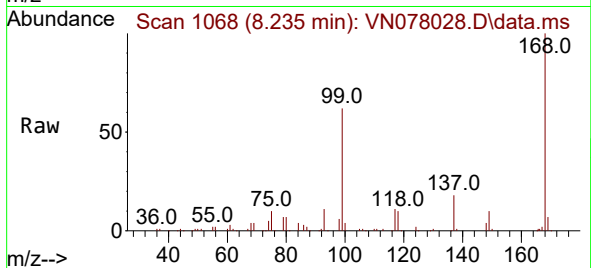
TP-18-0A

Tgt Ion:168 Resp: 372525

Ion Ratio Lower Upper

168 100

99 62.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN078028.D

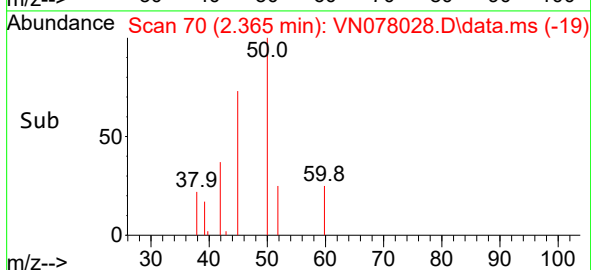
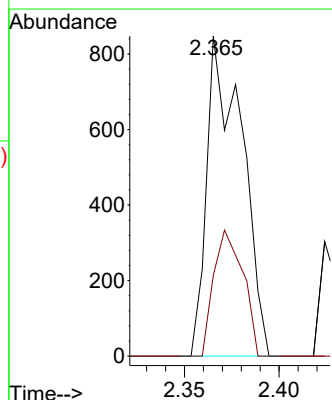
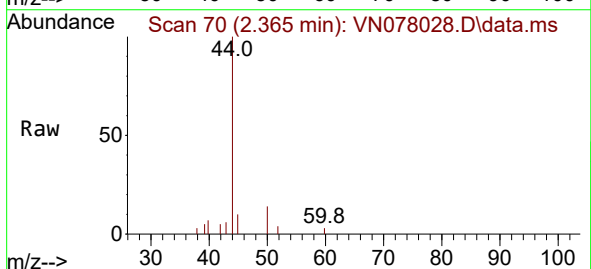
Acq: 02 Jun 2023 13:45

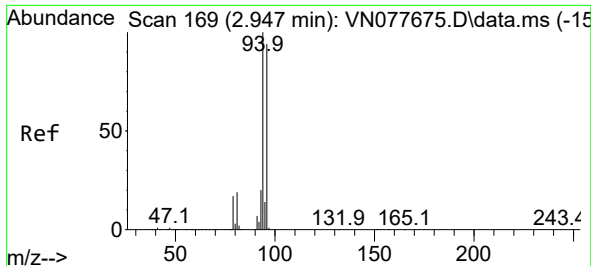
Tgt Ion: 50 Resp: 1093

Ion Ratio Lower Upper

50 100

52 25.2 26.5 39.7#

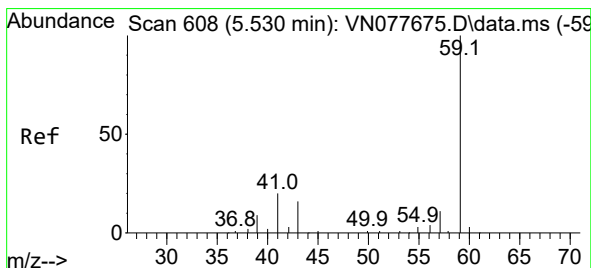
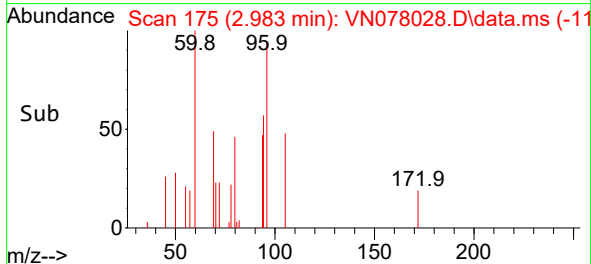
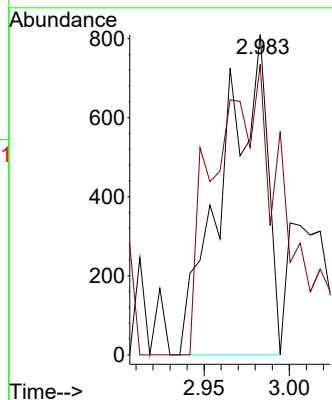
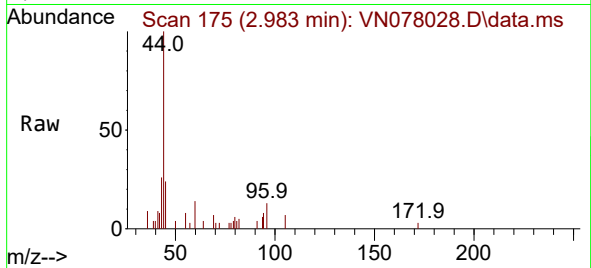




#5
Bromomethane
Concen: 0.368 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

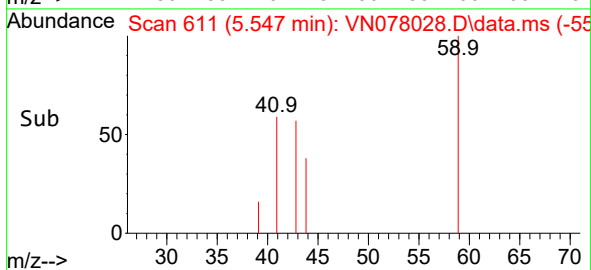
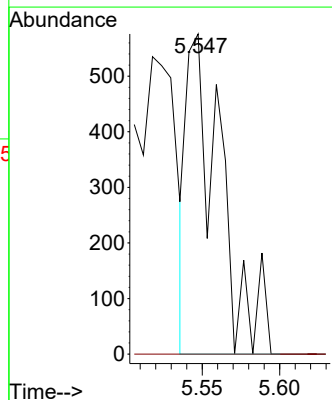
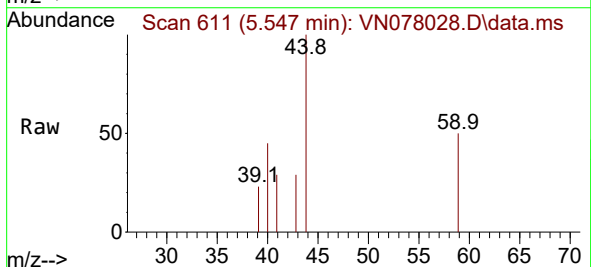
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

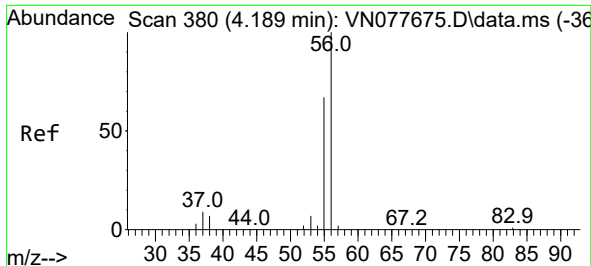
Tgt Ion: 94 Resp: 1454
Ion Ratio Lower Upper
94 100
96 90.7 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.153 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.017 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 59 Resp: 887
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

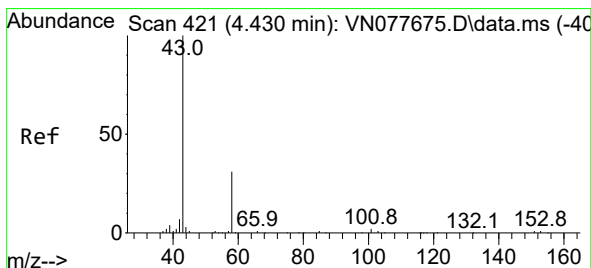
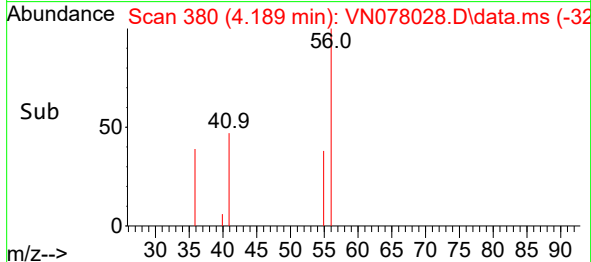
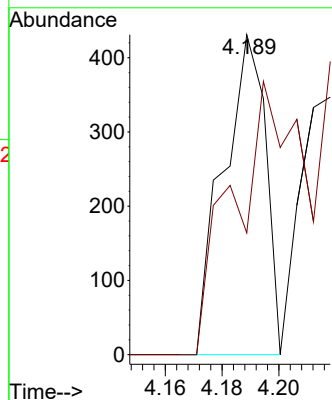
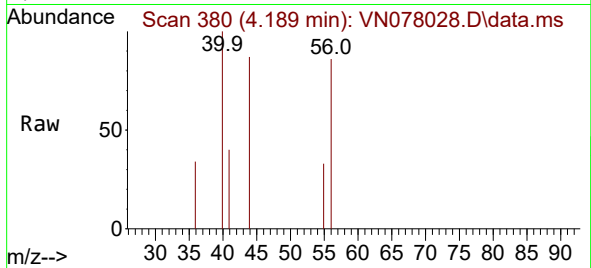




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

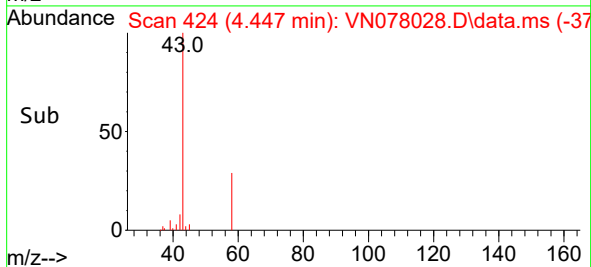
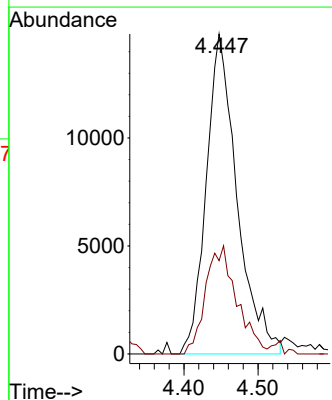
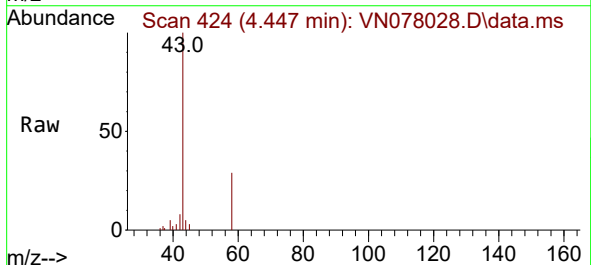
Instrument :
MSVOA_N
ClientSampleId :
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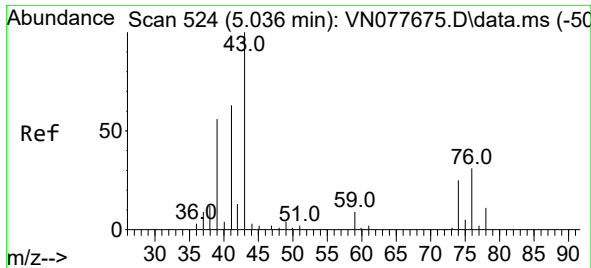
Tgt Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 24.397 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 43 Resp: 42783
Ion Ratio Lower Upper
43 100
58 29.2 28.0 42.0

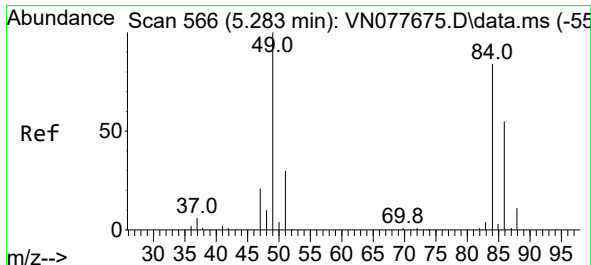
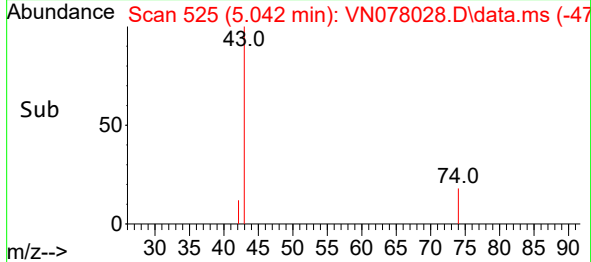
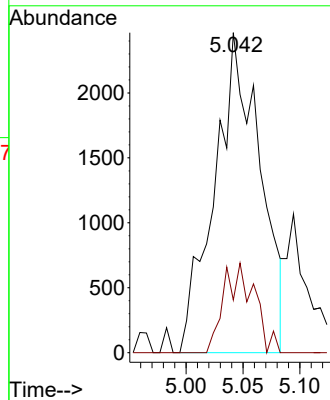
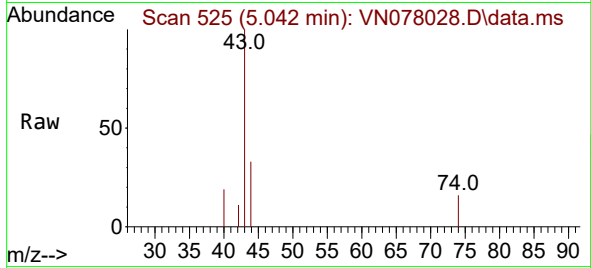




#18
Methyl Acetate
Concen: 0.933 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

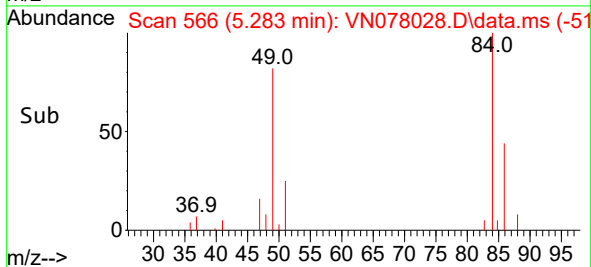
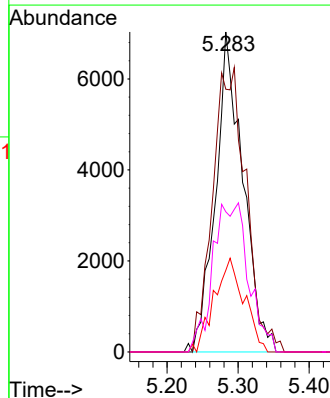
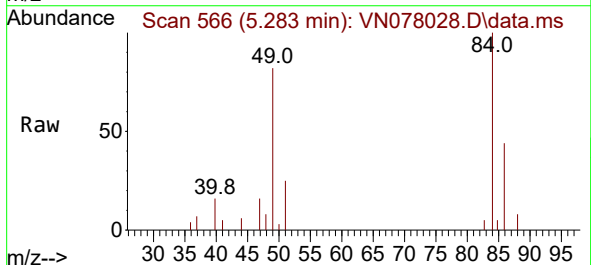
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

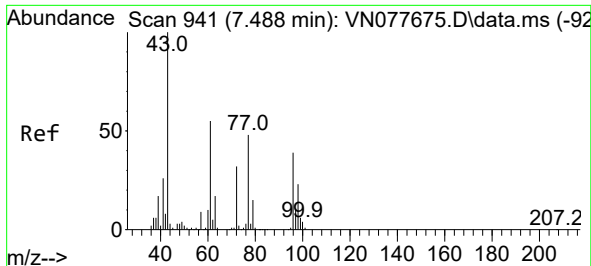
Tgt Ion: 43 Resp: 6864
Ion Ratio Lower Upper
43 100
74 18.7 26.2 39.4#



#20
Methylene Chloride
Concen: 2.238 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 84 Resp: 18831
Ion Ratio Lower Upper
84 100
49 82.1 79.7 119.5
51 25.5 25.2 37.8
86 43.8 53.3 79.9#

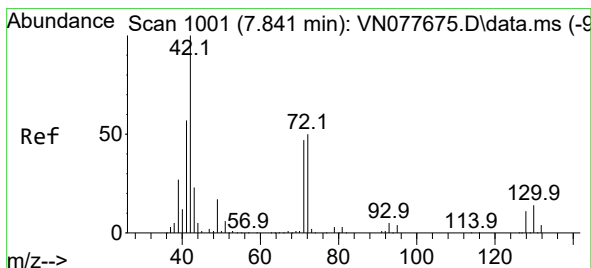
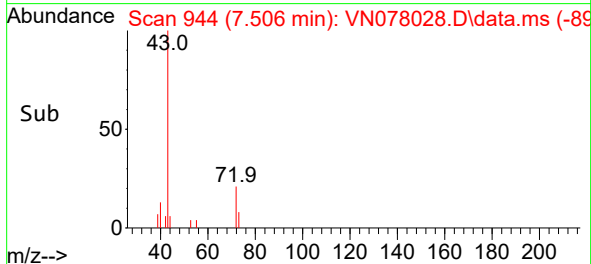
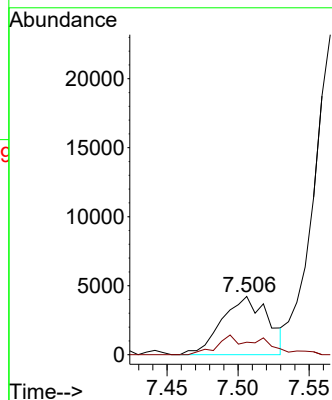
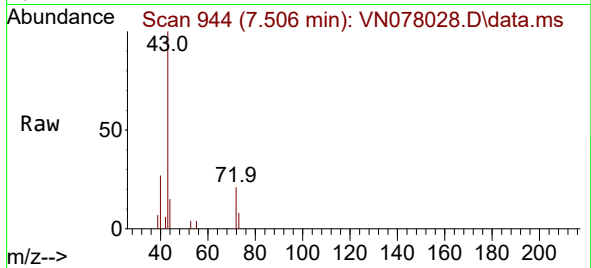




#25
2-Butanone
Concen: 3.484 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

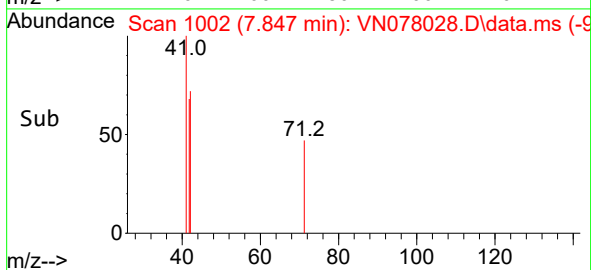
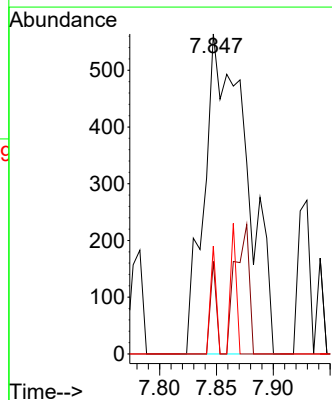
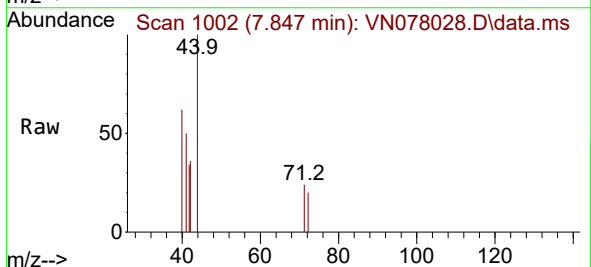
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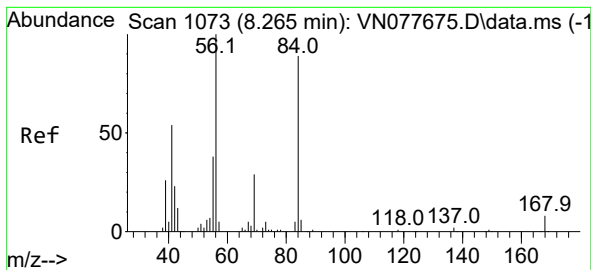
Tgt Ion: 43 Resp: 9556
Ion Ratio Lower Upper
43 100
72 21.4 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.812 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 42 Resp: 1459
Ion Ratio Lower Upper
42 100
72 4.0 49.8 74.6#
71 4.6 47.4 71.2#





#31

Cyclohexane

Concen: 1.158 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN078028.D

Acq: 02 Jun 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

TP-18-0A

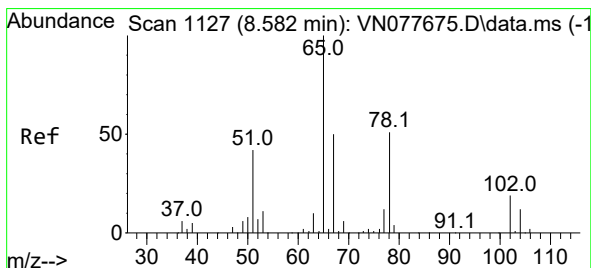
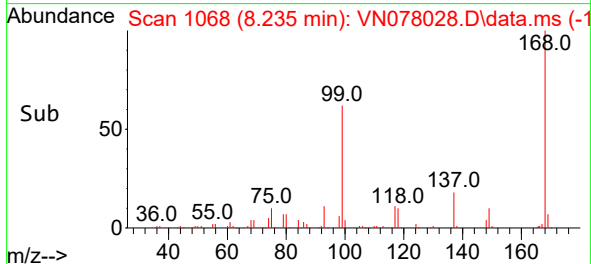
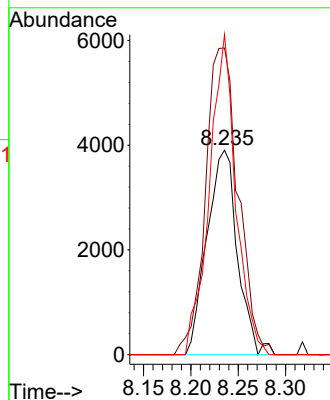
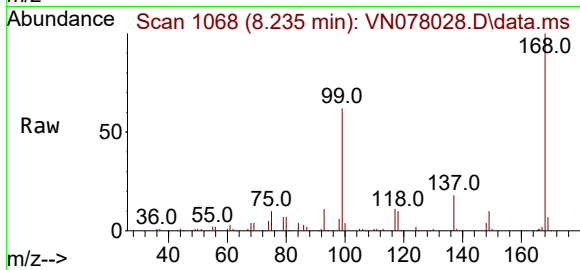
Tgt Ion: 56 Resp: 8773

Ion Ratio Lower Upper

56 100

69 150.0 26.8 40.2#

84 156.5 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 46.548 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078028.D

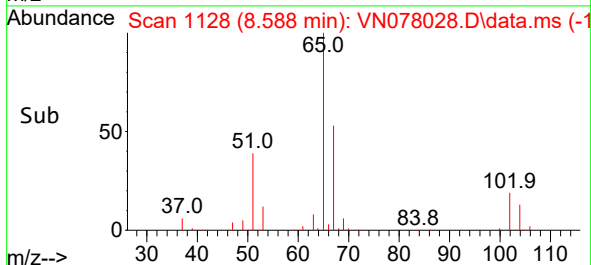
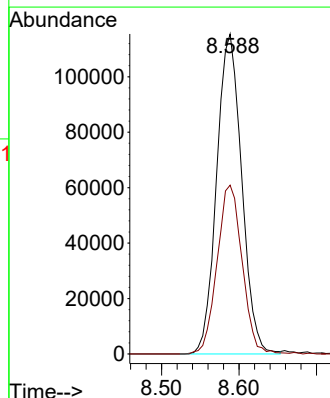
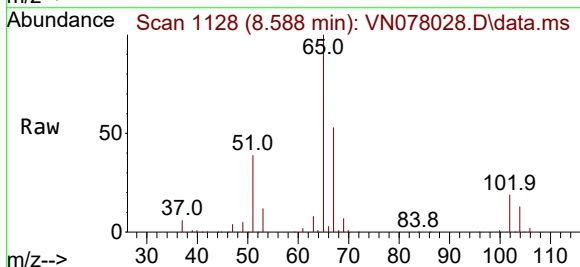
Acq: 02 Jun 2023 13:45

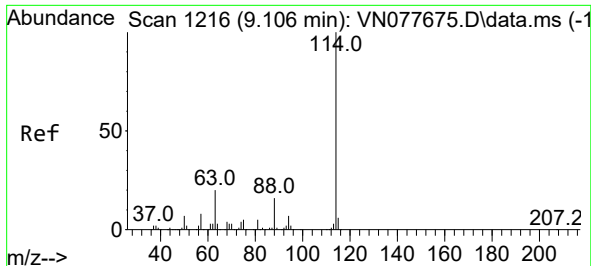
Tgt Ion: 65 Resp: 259454

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6

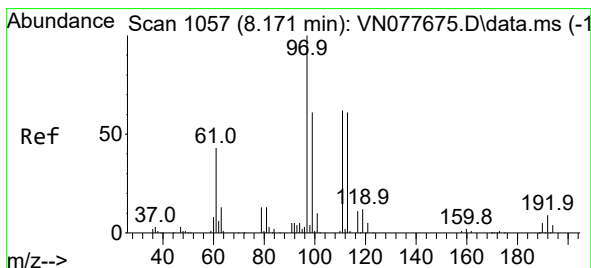
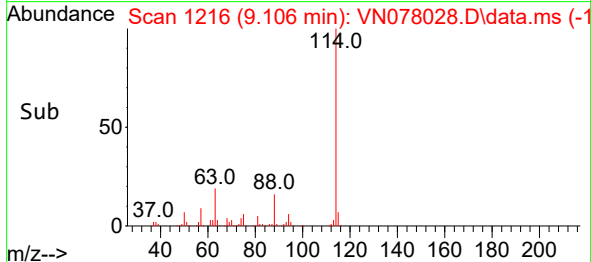
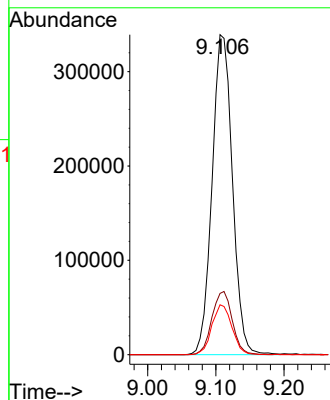
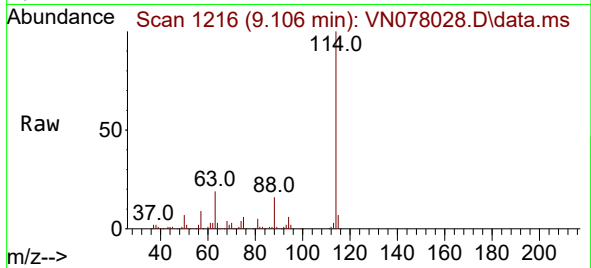




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

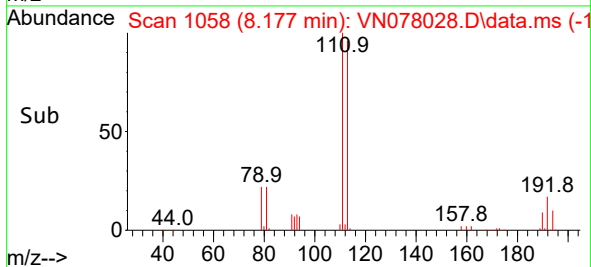
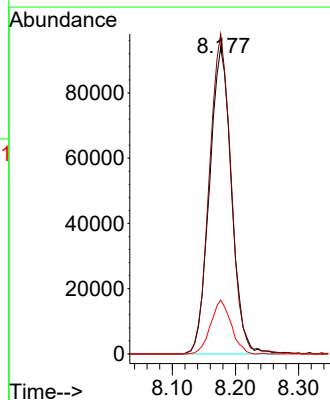
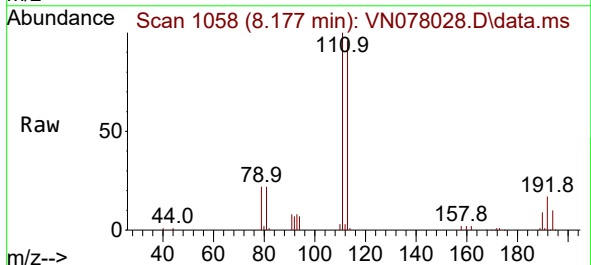
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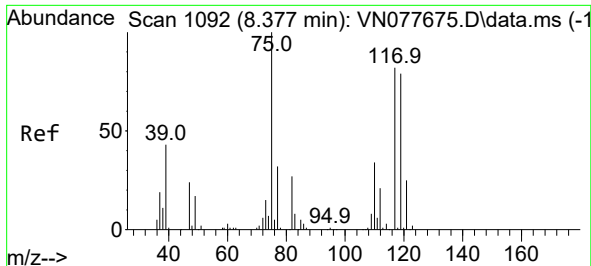
Tgt Ion:114 Resp: 705381
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.377 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion:113 Resp: 227120
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 16.3 12.7 19.1

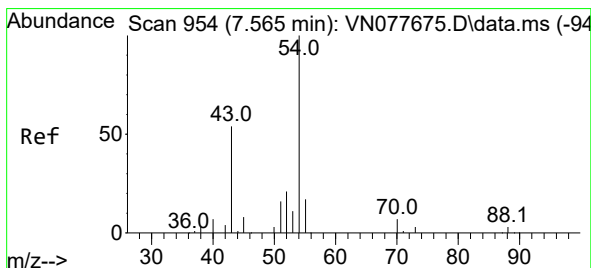
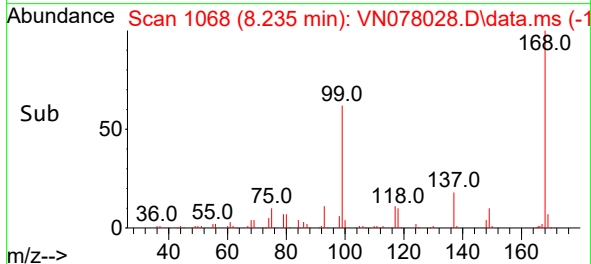
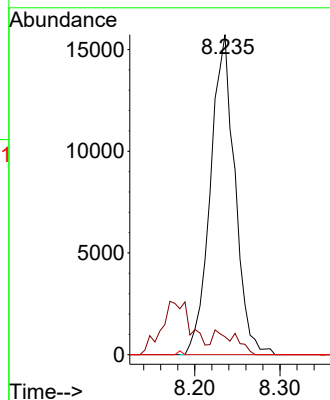
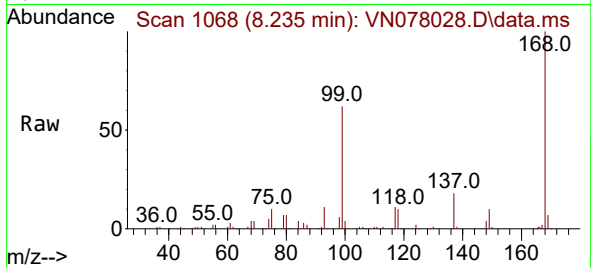




#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 8.235 min Scan# 1092
Delta R.T. -0.142 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

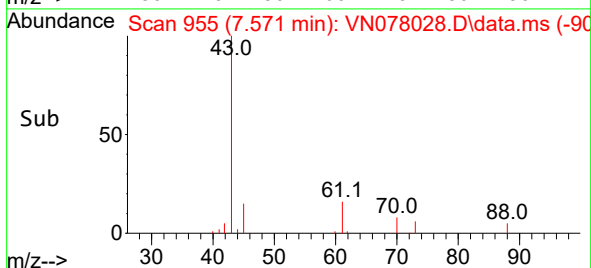
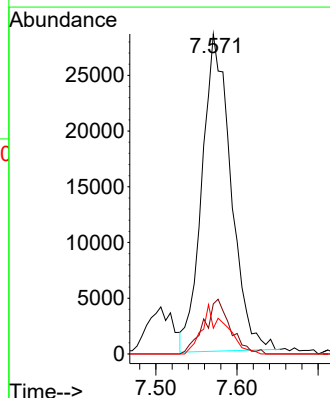
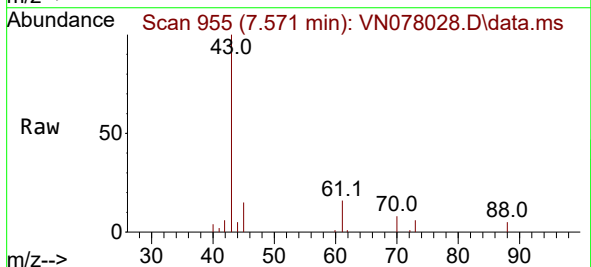
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

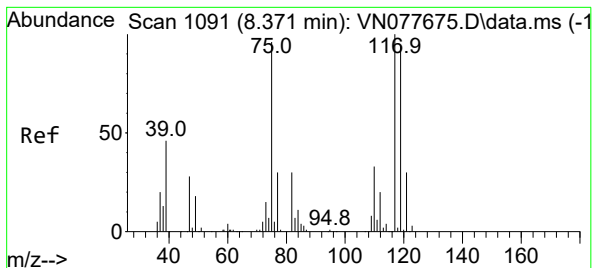
Tgt Ion: 75 Resp: 31409
Ion Ratio Lower Upper
75 100
110 7.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.748 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 43 Resp: 70449
Ion Ratio Lower Upper
43 100
61 15.8 13.2 19.8
70 12.7 11.3 16.9





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VN078028.D

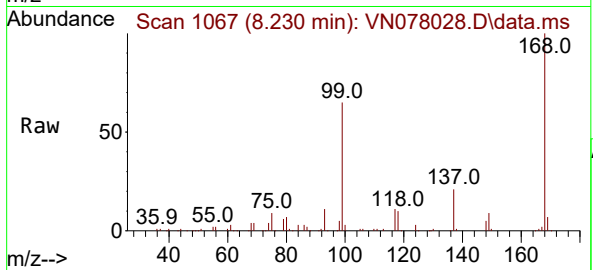
Acq: 02 Jun 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

TP-18-0A



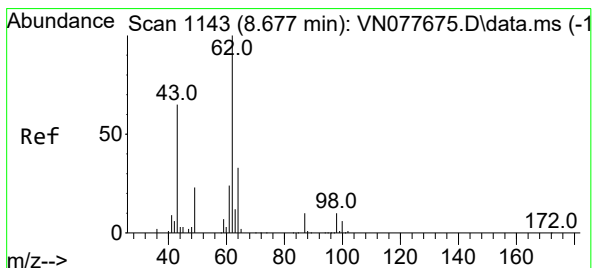
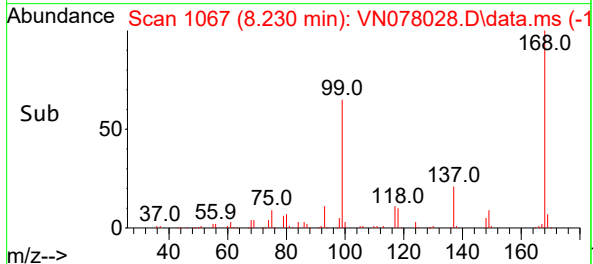
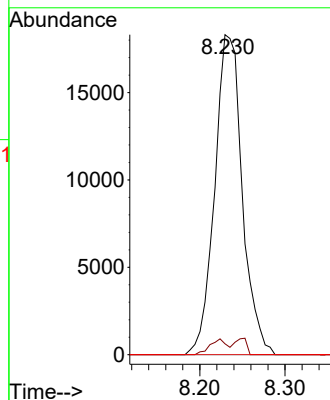
Tgt Ion:117 Resp: 41139

Ion Ratio Lower Upper

117 100

119 3.4 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.399 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN078028.D

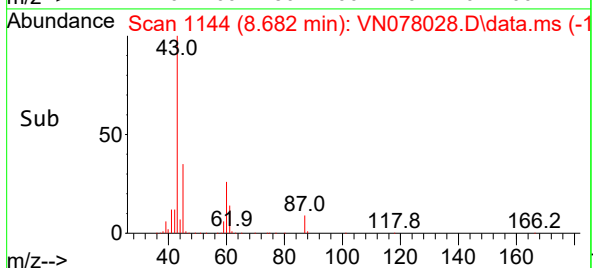
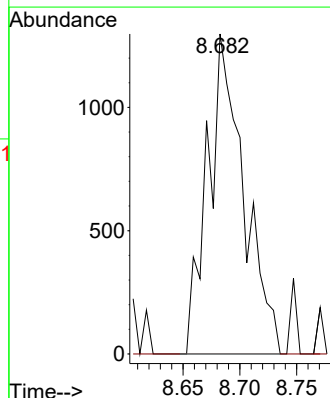
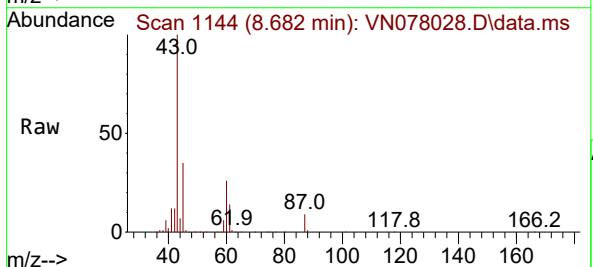
Acq: 02 Jun 2023 13:45

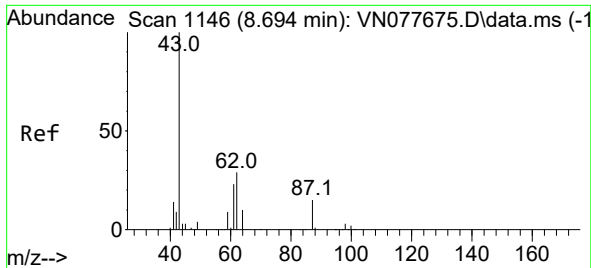
Tgt Ion: 62 Resp: 2877

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

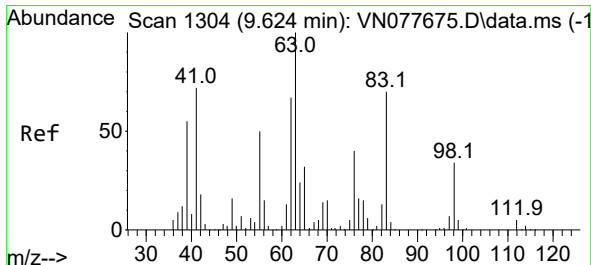
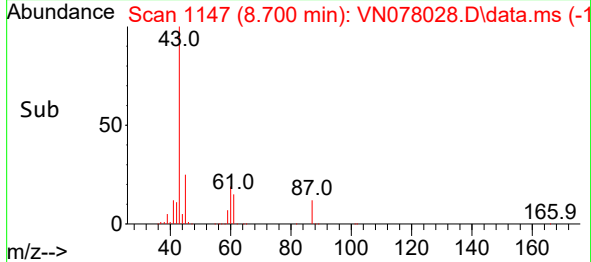
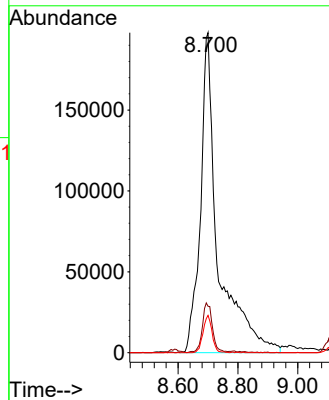
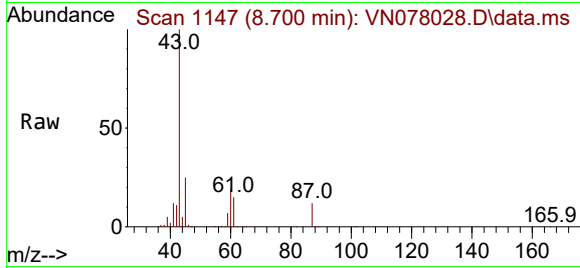




#43
Isopropyl Acetate
Concen: 82.758 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

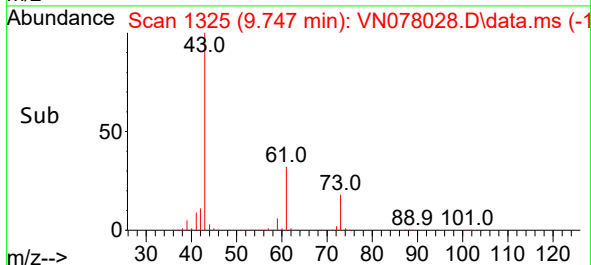
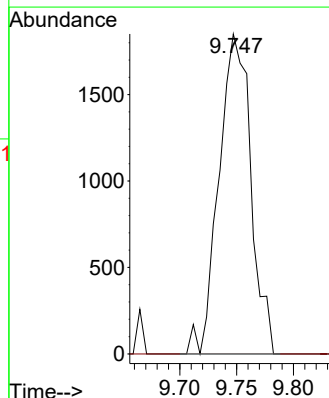
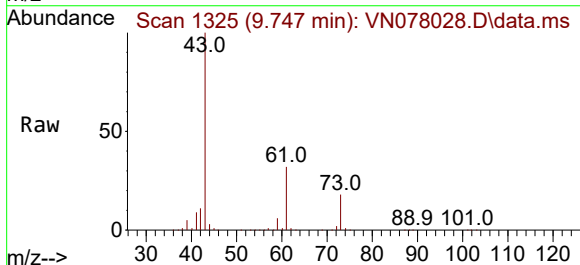
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

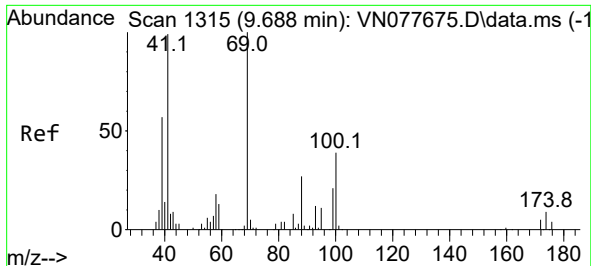
Tgt Ion: 43 Resp: 810591
Ion Ratio Lower Upper
43 100
61 8.9 24.7 37.1#
87 6.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.714 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 63 Resp: 3616
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

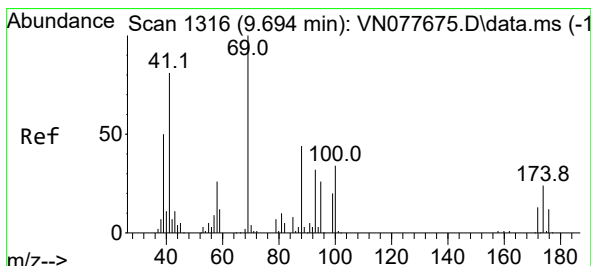
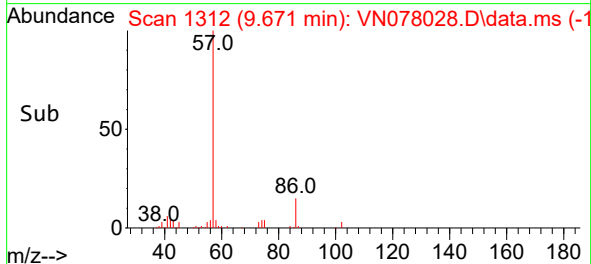
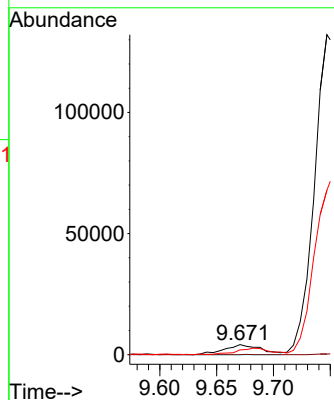
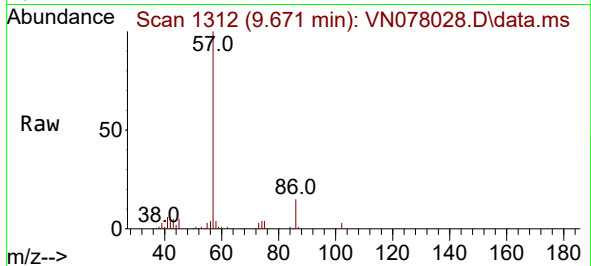




#48
Methyl methacrylate
Concen: 2.030 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

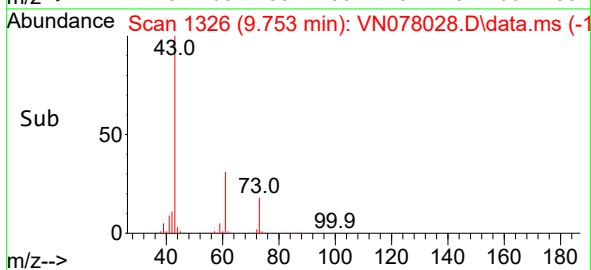
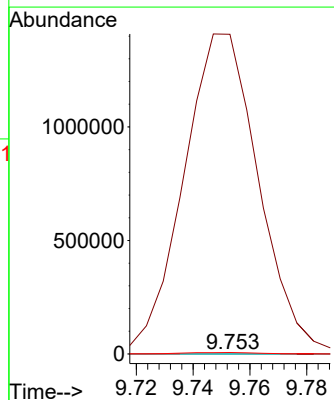
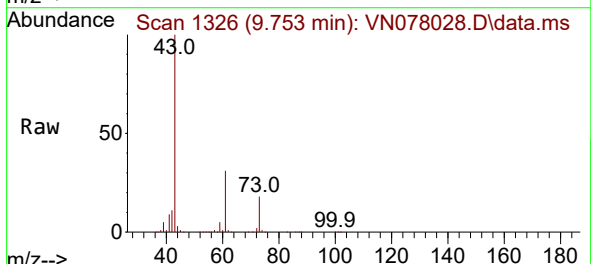
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

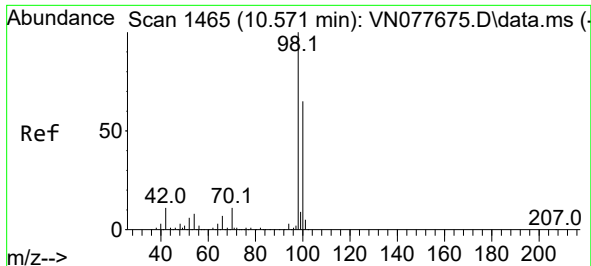
Tgt Ion: 41 Resp: 9425
Ion Ratio Lower Upper
41 100
69 0.6 90.4 135.6#
39 62.0 54.6 81.8



#49
1,4-Dioxane
Concen: 2.782 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 88 Resp: 244
Ion Ratio Lower Upper
88 100
43 1075022.1 17.0 25.6#
58 4818.0 47.0 70.4#

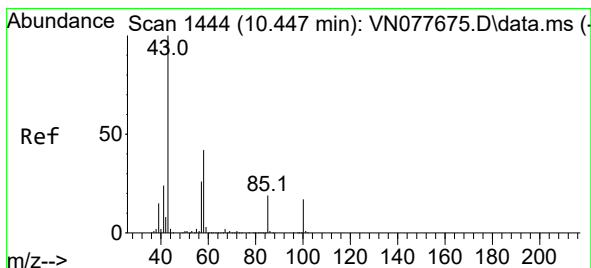
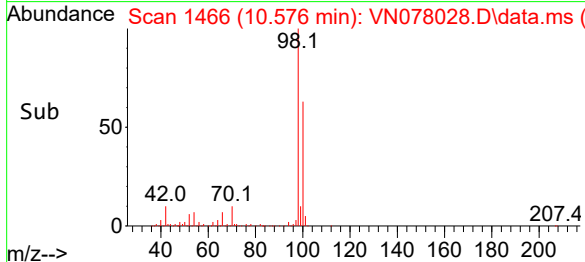
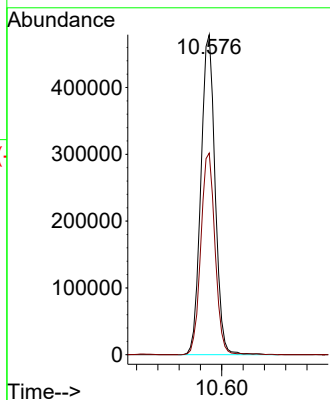
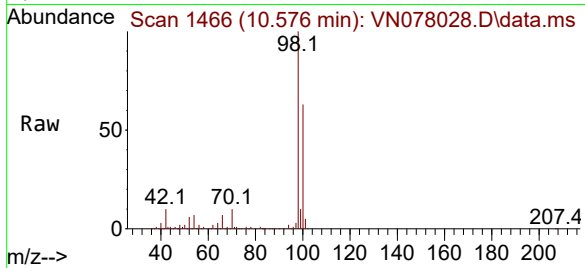




#50
Toluene-d8
Concen: 49.918 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

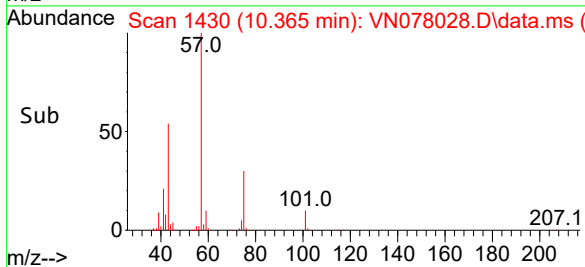
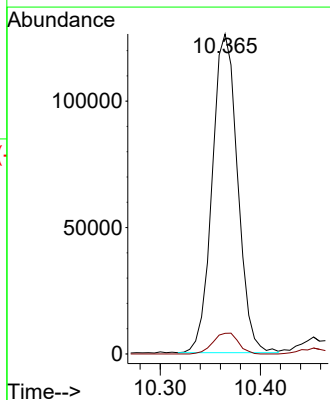
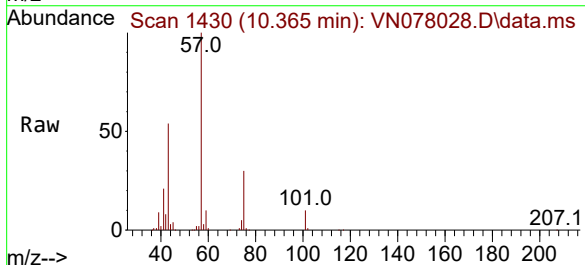
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

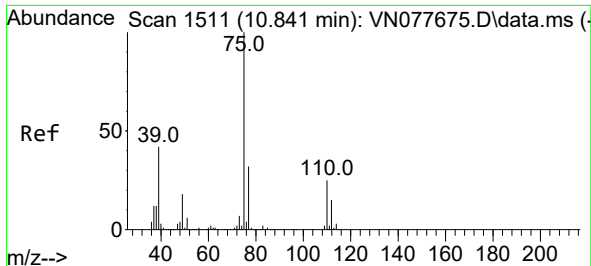
Tgt Ion: 98 Resp: 883772
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 38.032 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 43 Resp: 221428
Ion Ratio Lower Upper
43 100
58 6.5 36.6 54.8#

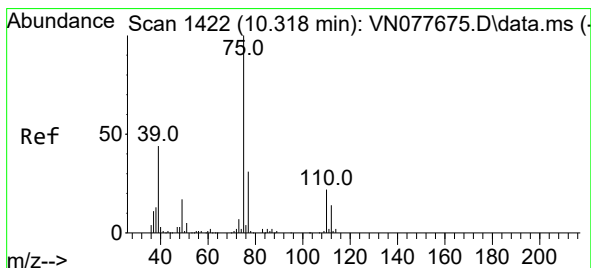
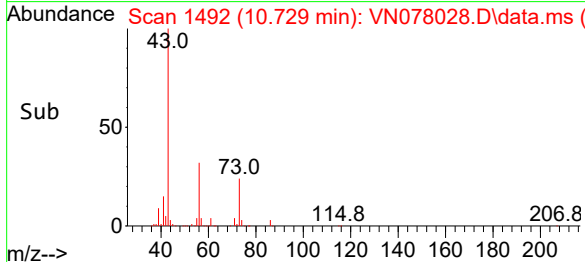
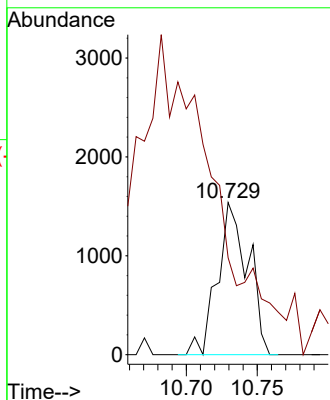
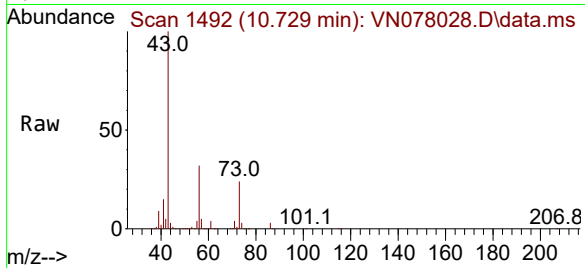




#53
t-1,3-Dichloropropene
Concen: 0.314 ug/l
RT: 10.729 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

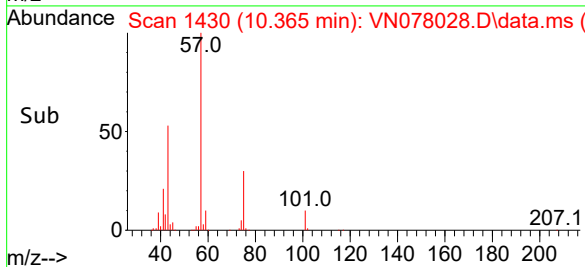
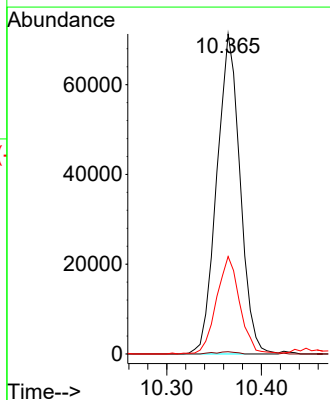
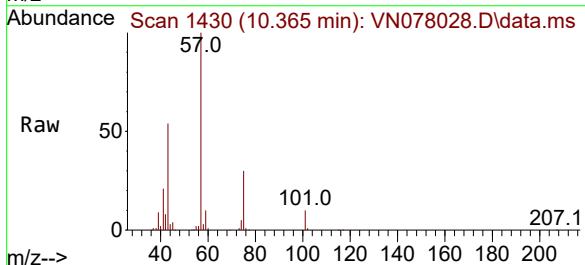
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

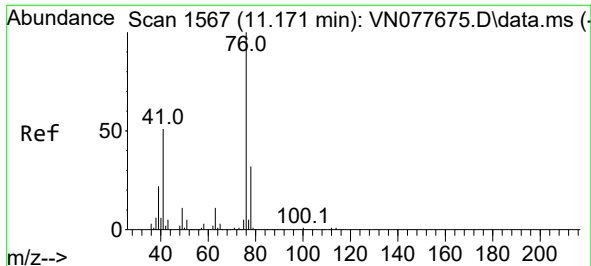
Tgt Ion: 75 Resp: 2310
Ion Ratio Lower Upper
75 100
77 35.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 15.059 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 75 Resp: 121919
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 30.4 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.677 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078028.D

Acq: 02 Jun 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

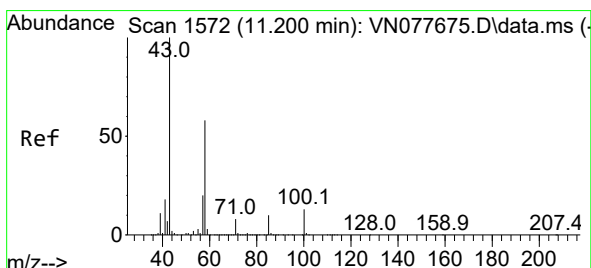
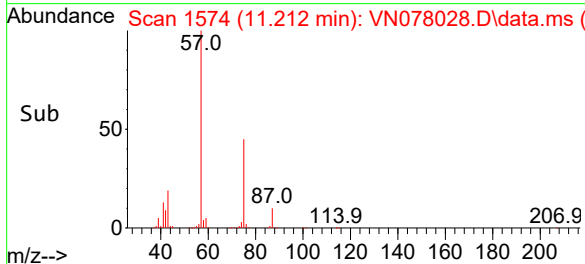
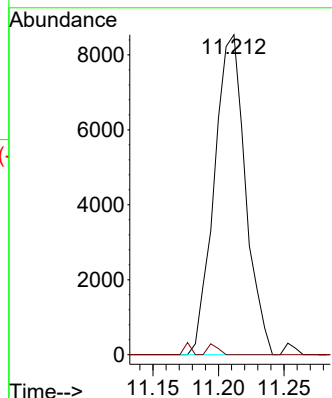
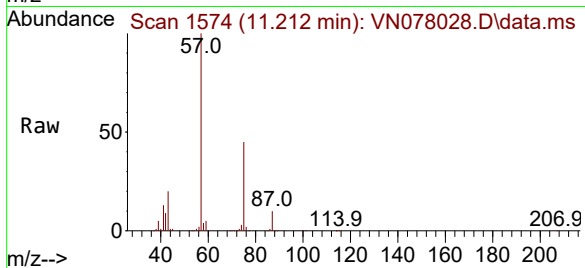
TP-18-0A

Tgt Ion: 76 Resp: 14105

Ion Ratio Lower Upper

76 100

78 1.1 26.1 39.1#



#59

2-Hexanone

Concen: 56.686 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078028.D

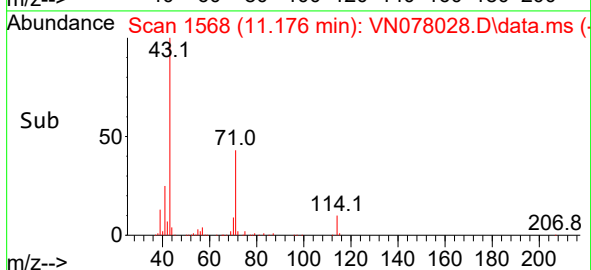
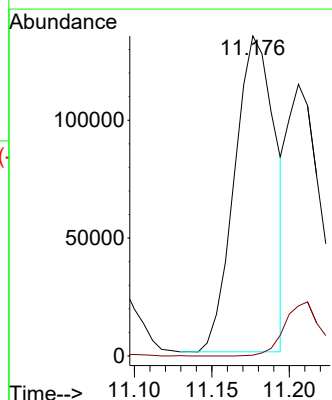
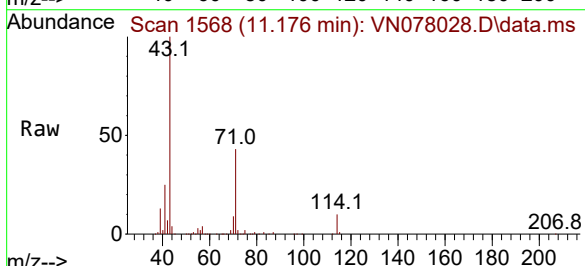
Acq: 02 Jun 2023 13:45

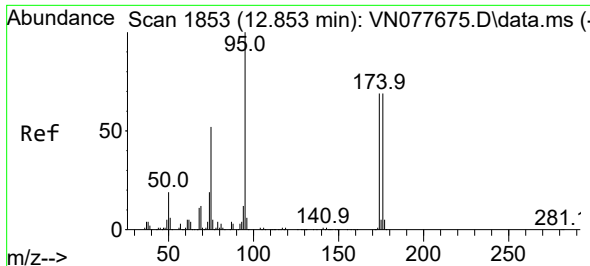
Tgt Ion: 43 Resp: 244113

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

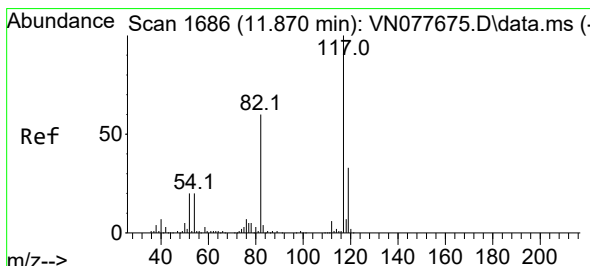
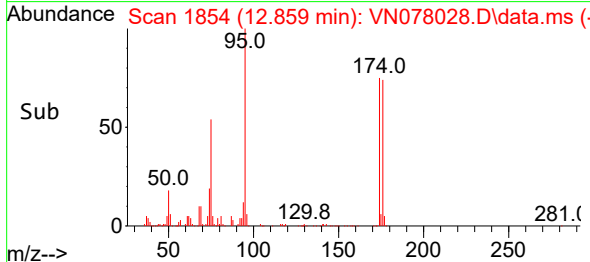
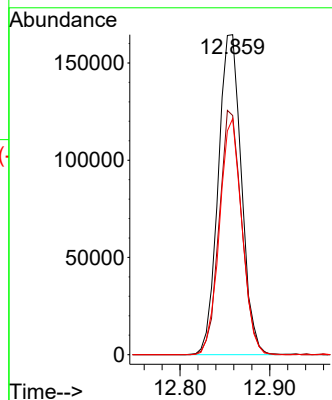
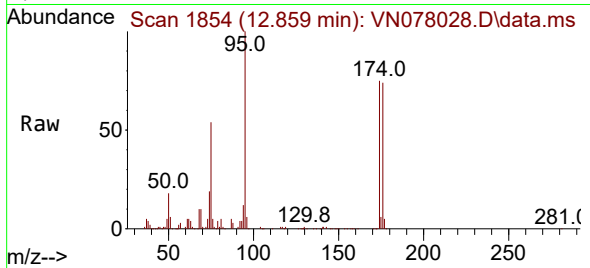




#62
4-Bromofluorobenzene
Concen: 47.308 ug/l
RT: 12.859 min Scan# 1185
Delta R.T. 0.006 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

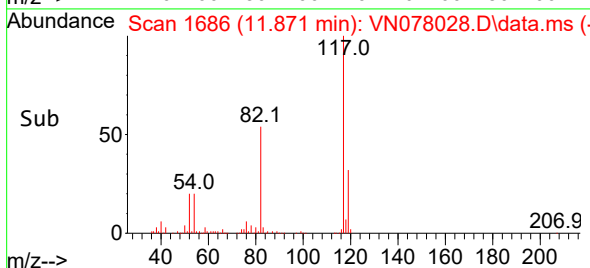
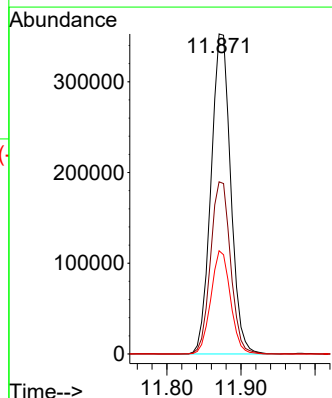
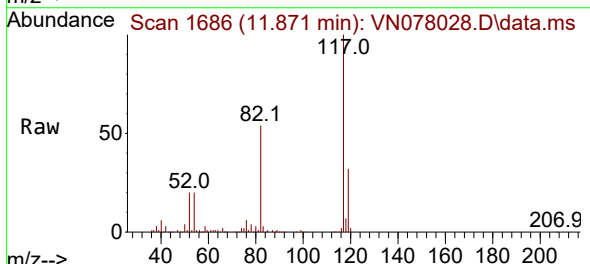
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

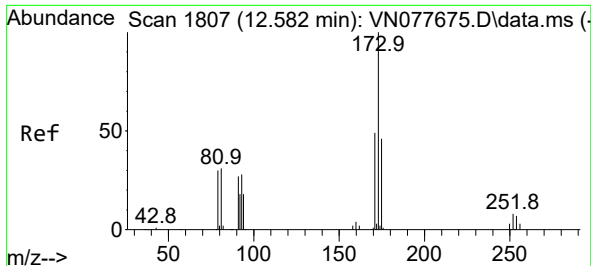
Tgt Ion: 95 Resp: 295814
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 71.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion: 117 Resp: 650343
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 32.3 25.6 38.4

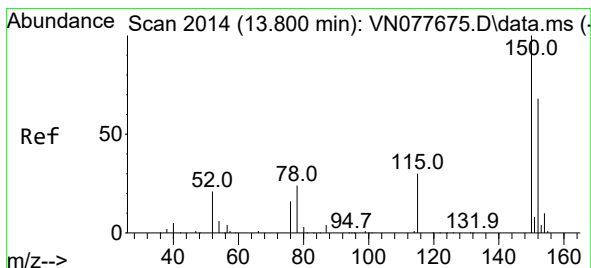
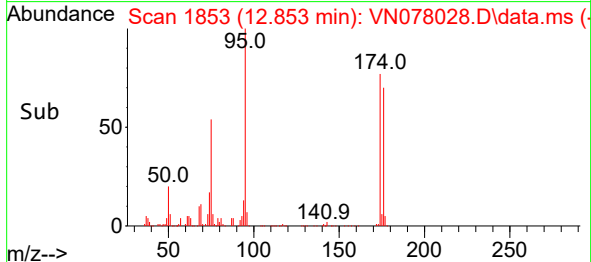
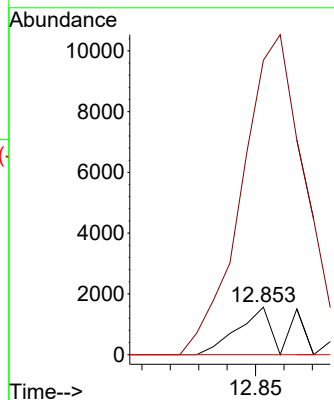
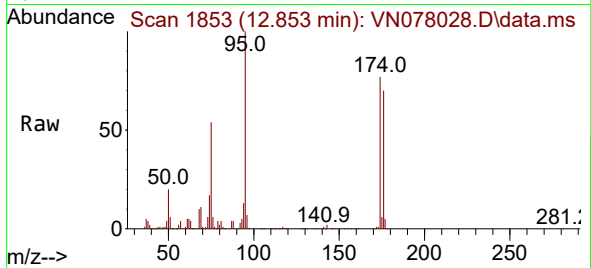




#71
Bromoform
Concen: 0.385 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

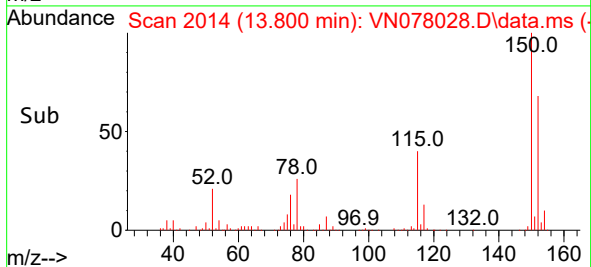
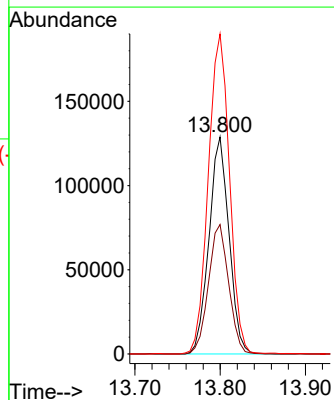
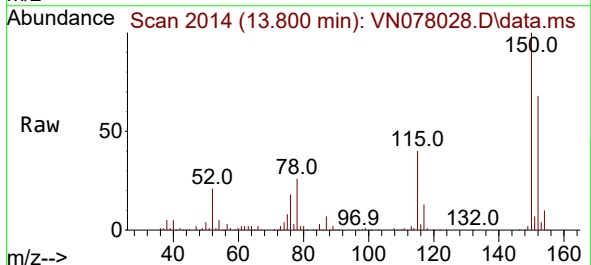
Instrument :
MSVOA_N
ClientSampleId :
TP-18-0A

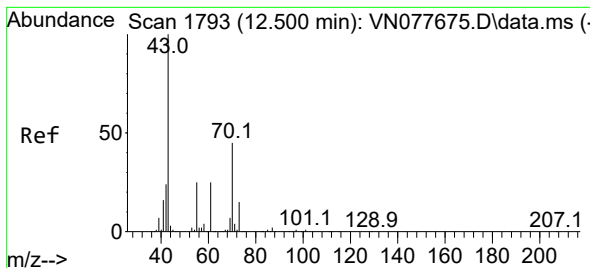
Tgt Ion:173 Resp: 1250
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078028.D
Acq: 02 Jun 2023 13:45

Tgt Ion:152 Resp: 210594
Ion Ratio Lower Upper
152 100
115 60.2 32.3 96.8
150 155.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.513 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078028.D

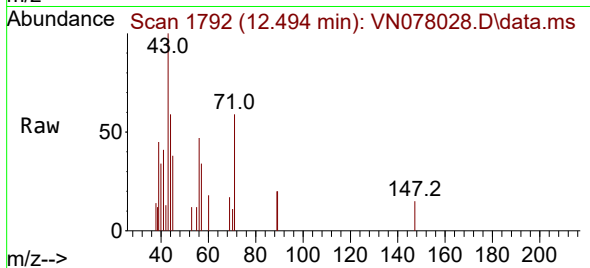
Acq: 02 Jun 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

TP-18-0A



Tgt Ion: 43 Resp: 3444

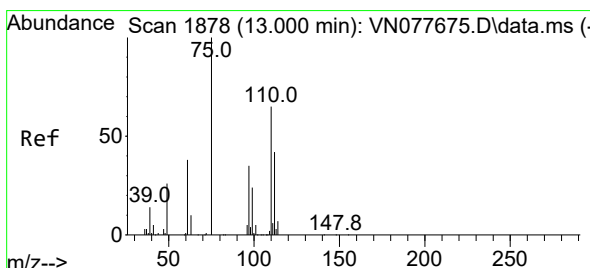
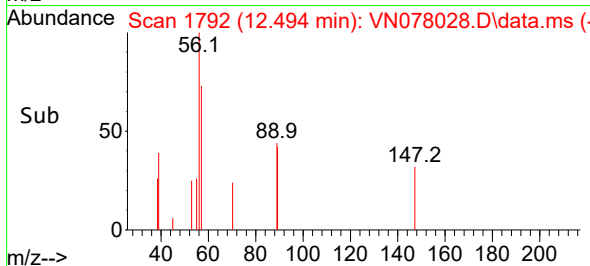
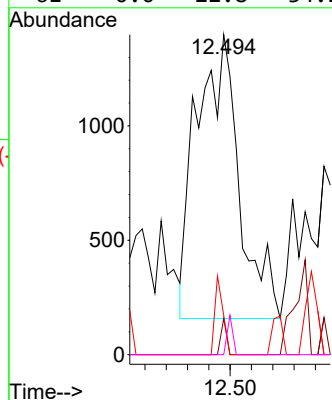
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 5.3 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.274 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078028.D

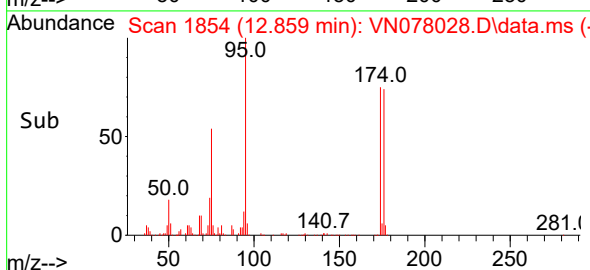
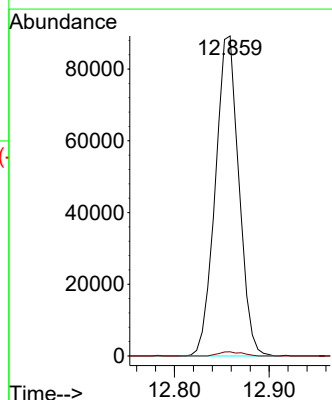
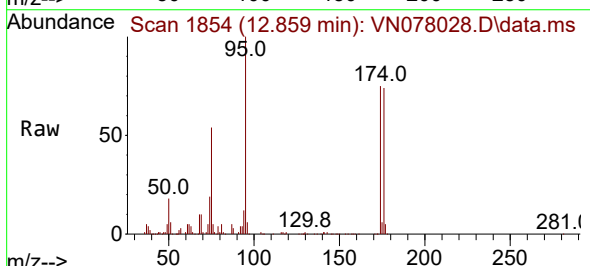
Acq: 02 Jun 2023 13:45

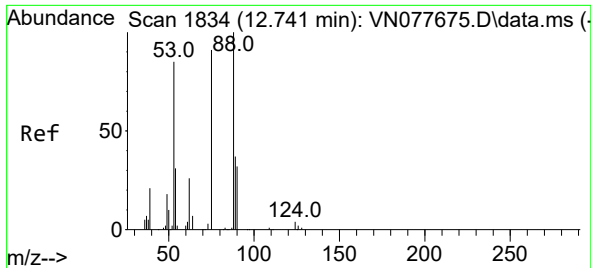
Tgt Ion: 75 Resp: 154393

Ion Ratio Lower Upper

75 100

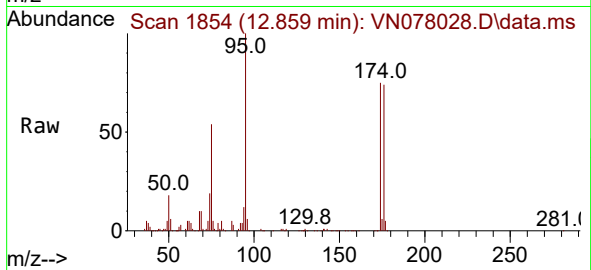
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.576 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078028.D
 Acq: 02 Jun 2023 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-18-0A



Tgt Ion: 75 Resp: 154393
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

