

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080519.D
 Acq On : 19 Dec 2023 14:46
 Operator : JC\MD
 Sample : 05872-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 04:02:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

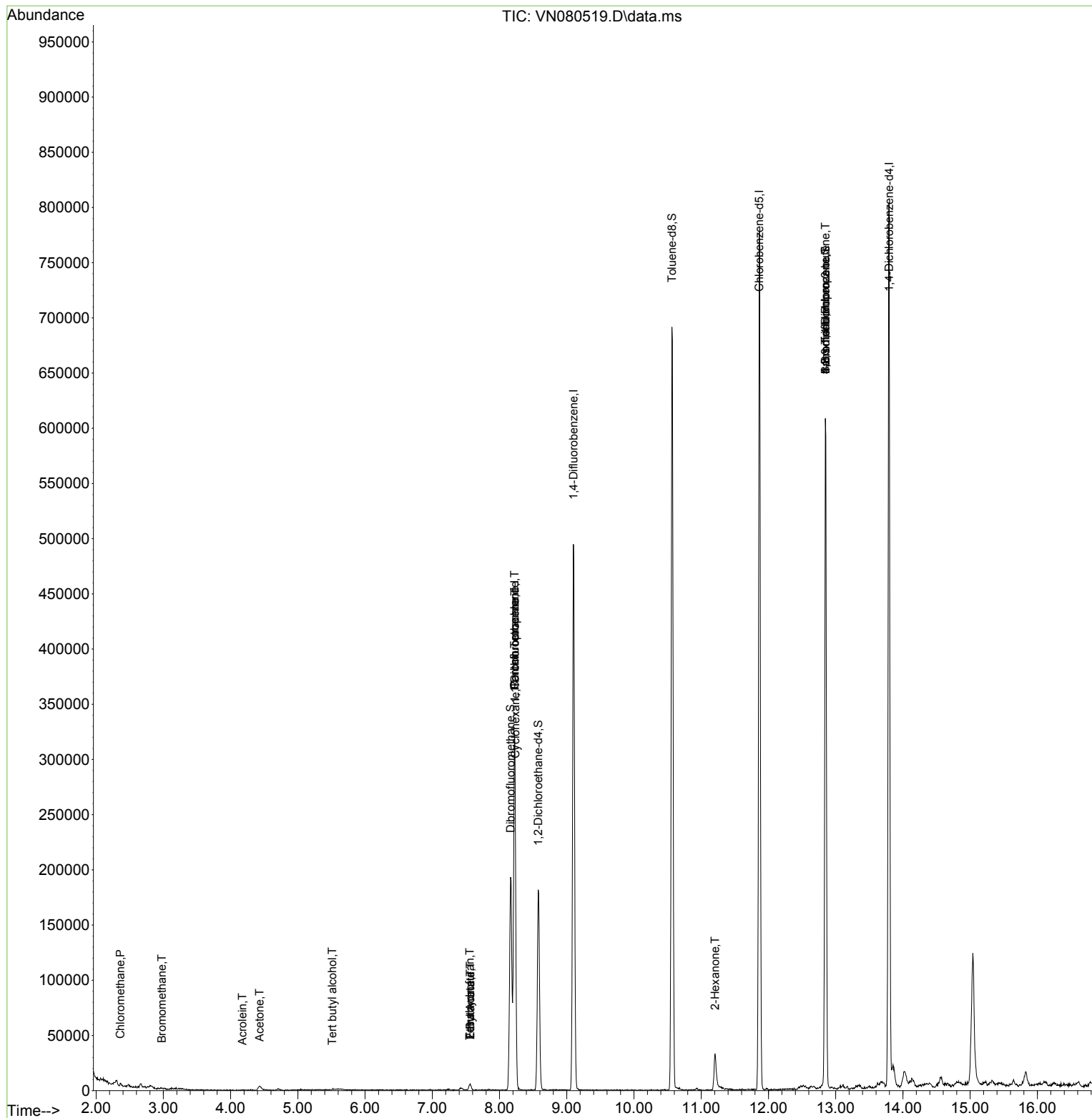
Internal Standards						
1) Pentafluorobenzene	8.224	168	232311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	425275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	449779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161409	54.399	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.800%	
35) Dibromofluoromethane	8.165	113	139020	51.557	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.120%	
50) Toluene-d8	10.565	98	496857	49.408	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.847	95	217095	56.852	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2582	0.430	ug/l #	81
5) Bromomethane	2.977	94	241	0.211	ug/l #	75
11) Tert butyl alcohol	5.512	59	133	0.381	ug/l #	72
13) Acrolein	4.177	56	87	0.227	ug/l	90
16) Acetone	4.430	43	7394	14.054	ug/l	93
25) 2-Butanone	7.565	43	7597	7.496	ug/l #	37
29) Tetrahydrofuran	7.559	42	224	0.309	ug/l #	20
31) Cyclohexane	8.236	56	4959	1.229	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	18603	4.220	ug/l #	48
37) Ethyl Acetate	7.565	43	7597	2.752	ug/l #	96
38) Carbon Tetrachloride	8.224	117	26976	5.121	ug/l #	16
59) 2-Hexanone	11.206	43	12121	6.006	ug/l #	28
71) Bromoform	12.847	173	985	0.344	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	114814	27.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	114814	70.962	ug/l #	15

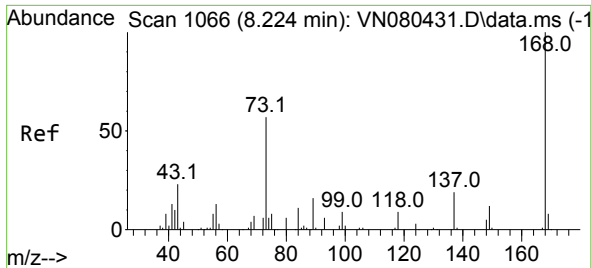
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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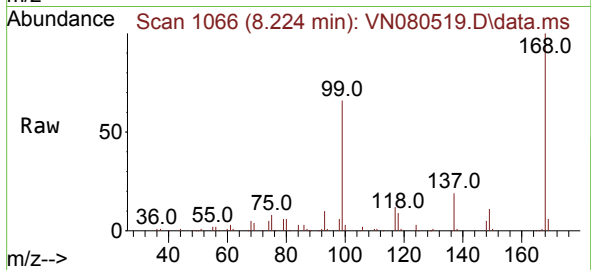
Quant Time: Dec 20 04:02:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
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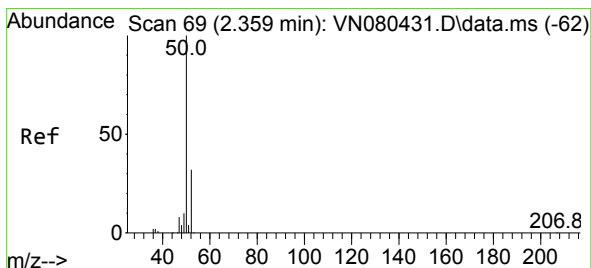
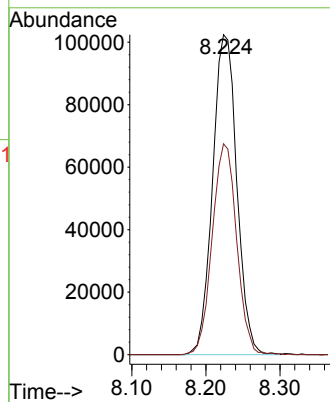
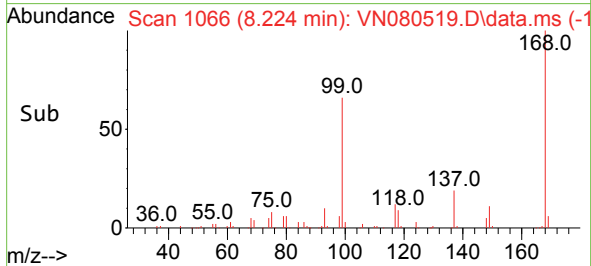


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

Instrument :
MSVOA_N
ClientSampleId :

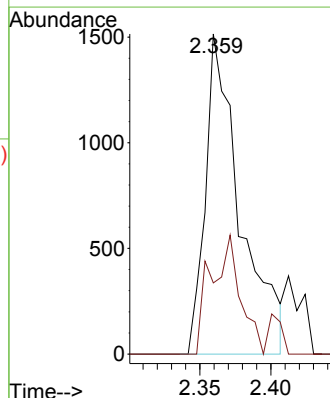
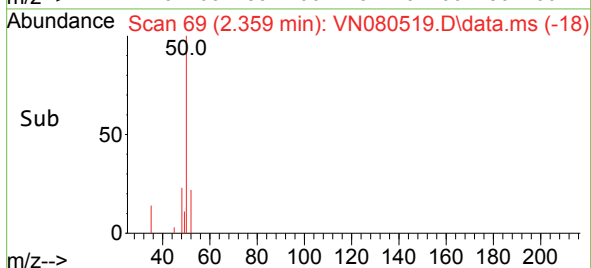
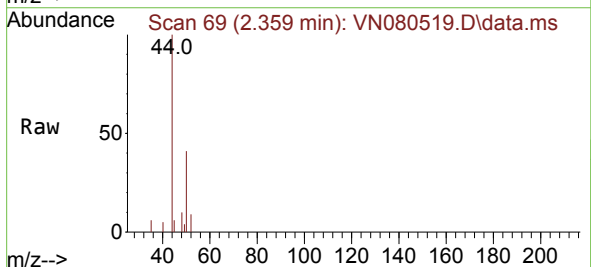


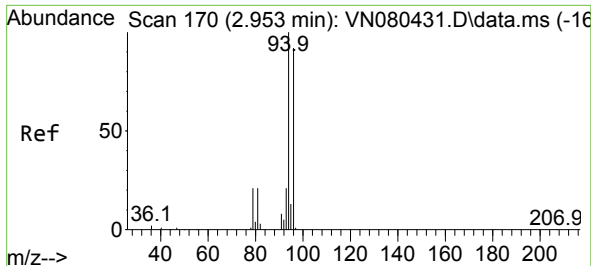
Tgt Ion:168 Resp: 232311
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: 0.430 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

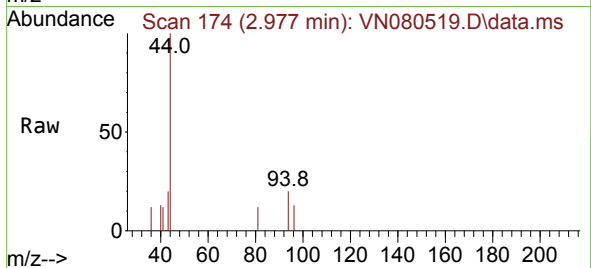
Tgt Ion: 50 Resp: 2582
Ion Ratio Lower Upper
50 100
52 22.2 26.5 39.7#



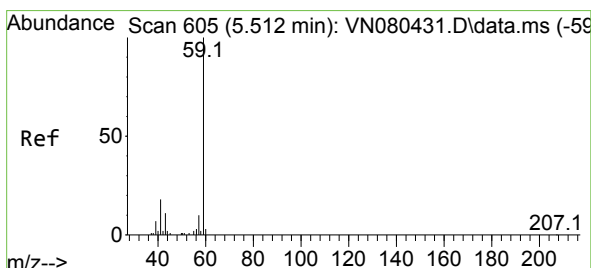
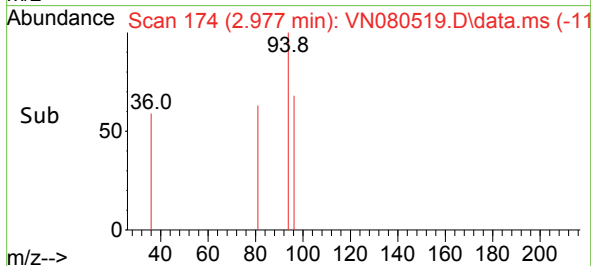
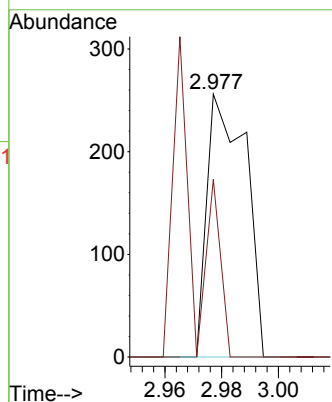


#5
Bromomethane
Concen: 0.211 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

Instrument :
MSVOA_N
ClientSampleId :

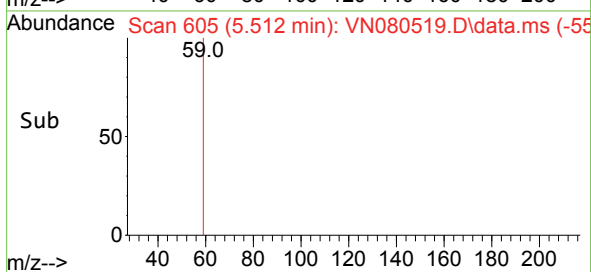
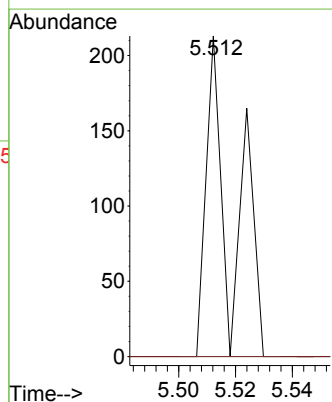
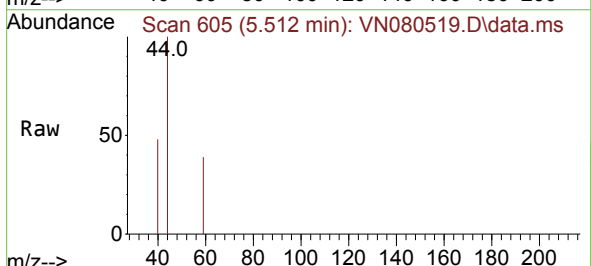


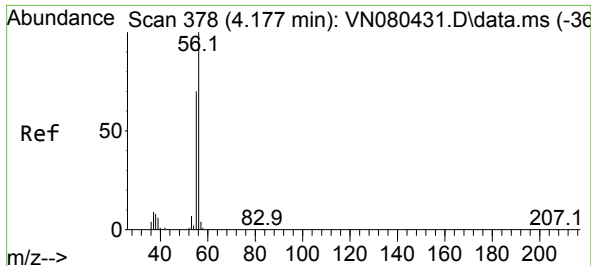
Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 67.6 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.381 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

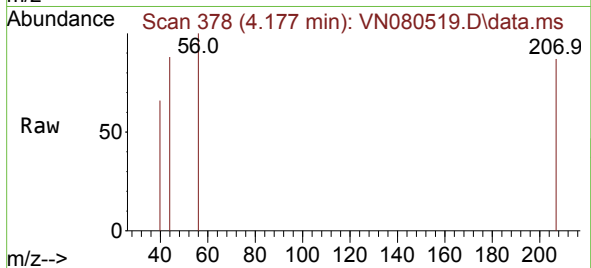
Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



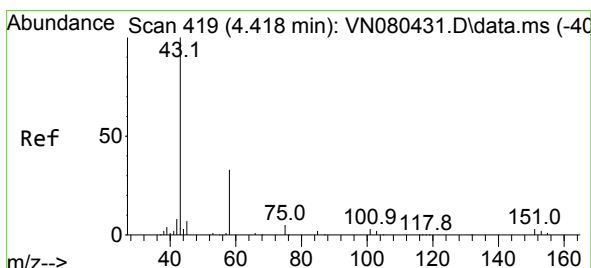
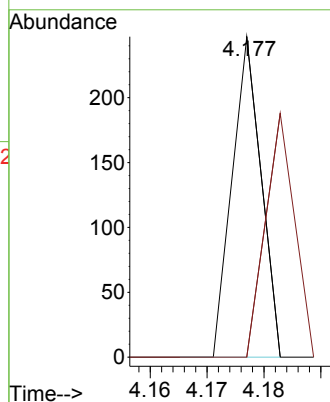
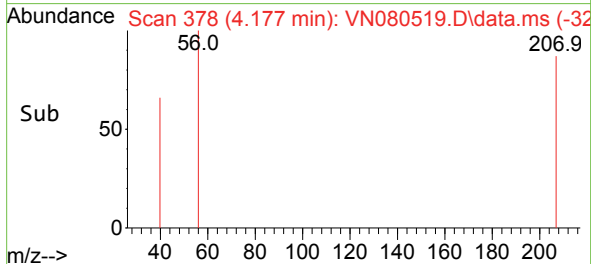


#13
Acrolein
Concen: 0.227 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

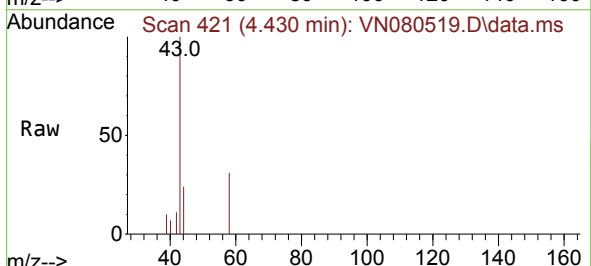
Instrument :
MSVOA_N
ClientSampleId :



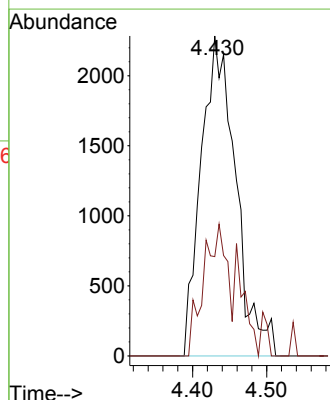
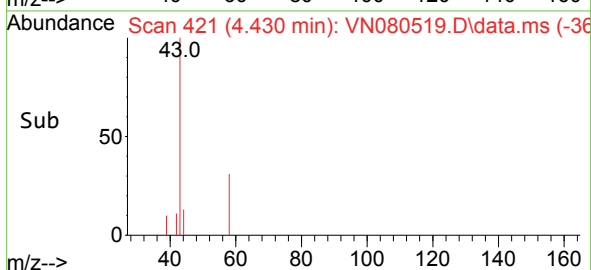
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 75.9 54.5 81.7

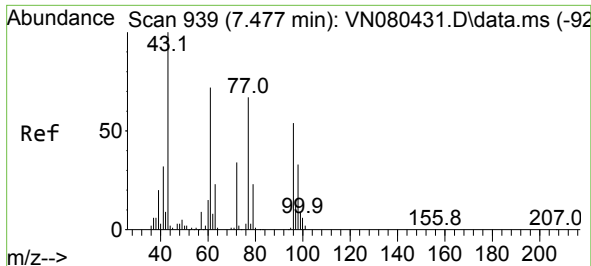


#16
Acetone
Concen: 14.054 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46



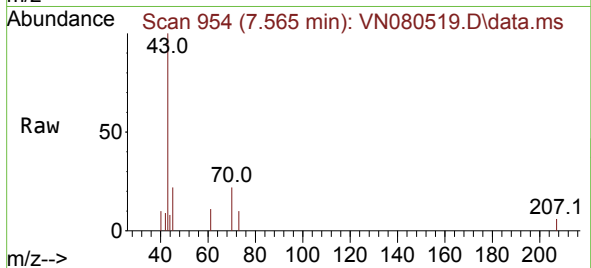
Tgt Ion: 43 Resp: 7394
Ion Ratio Lower Upper
43 100
58 31.0 28.0 42.0



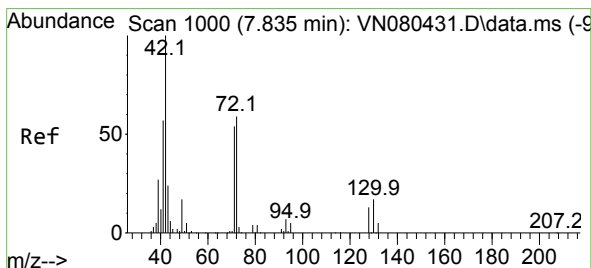
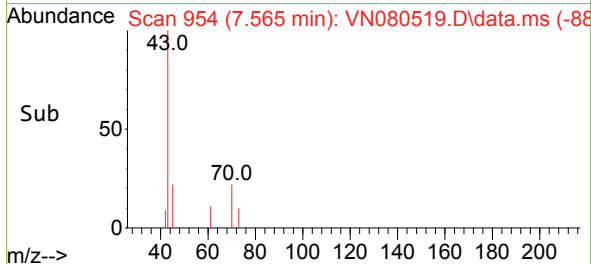
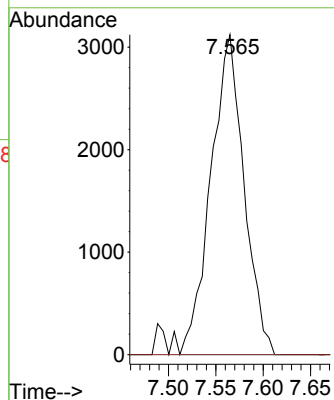


#25
2-Butanone
Concen: 7.496 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.088 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

Instrument :
MSVOA_N
ClientSampleId :

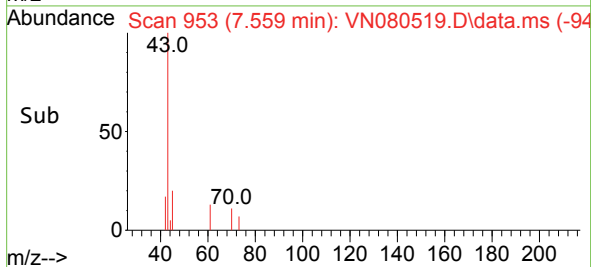
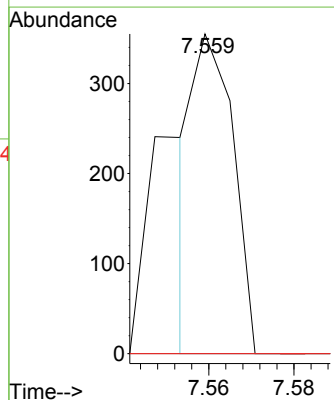
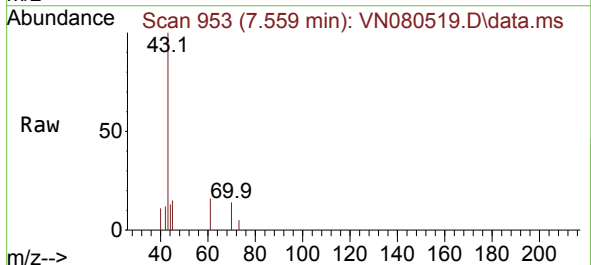


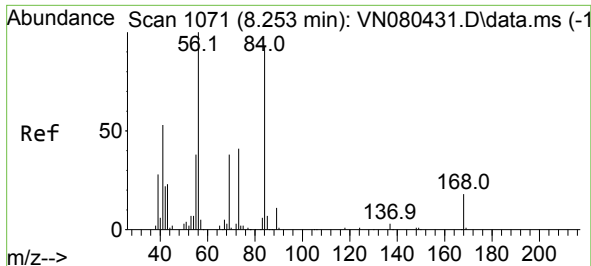
Tgt Ion: 43 Resp: 7597
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.276 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

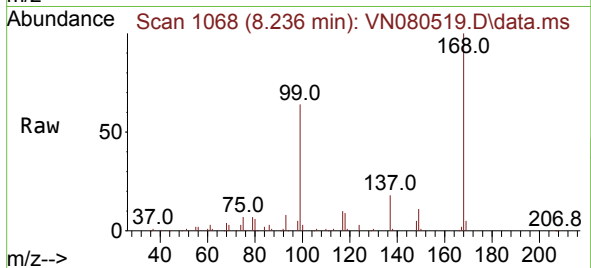
Tgt Ion: 42 Resp: 224
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



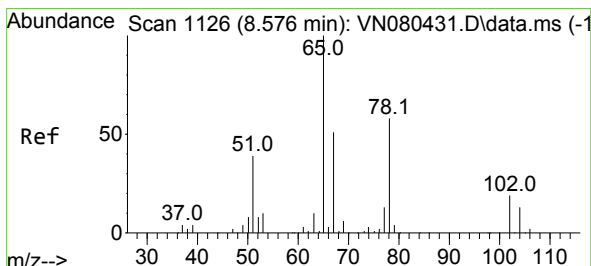
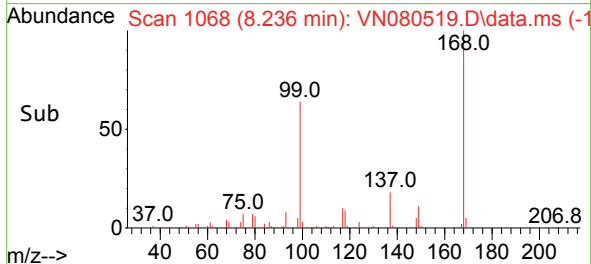
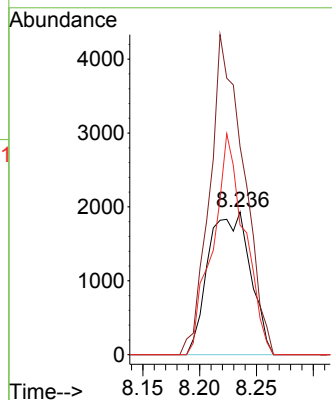


#31
Cyclohexane
Concen: 1.229 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.017 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

Instrument :
MSVOA_N
ClientSampleId :

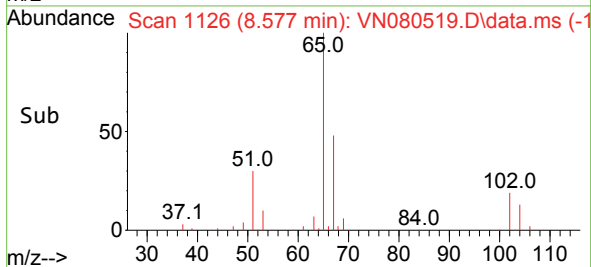
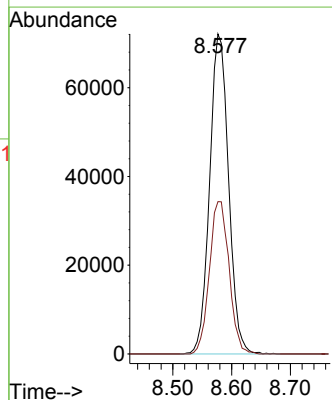
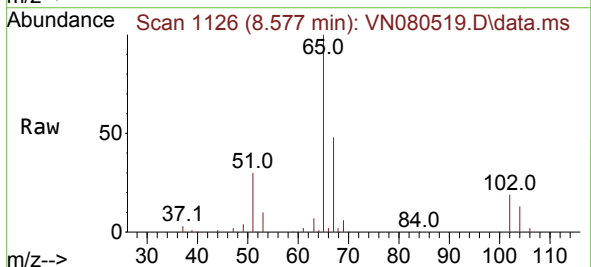


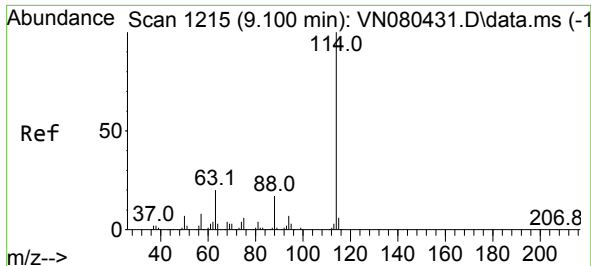
Tgt Ion: 56 Resp: 4959
Ion Ratio Lower Upper
56 100
69 145.9 26.8 40.2#
84 90.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.399 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

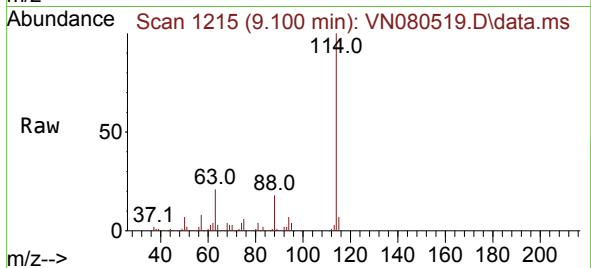
Tgt Ion: 65 Resp: 161409
Ion Ratio Lower Upper
65 100
67 49.5 0.0 106.6



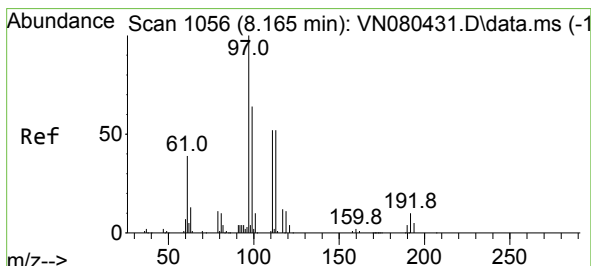
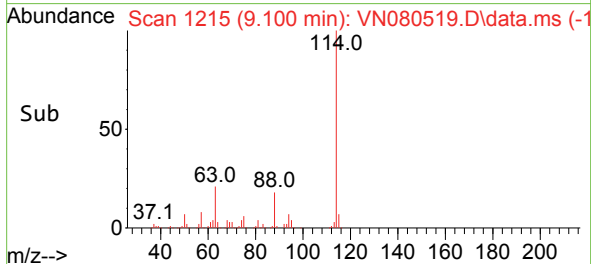
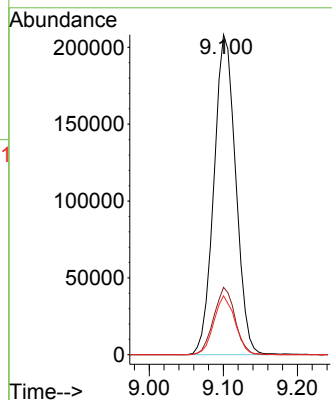


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

Instrument :
MSVOA_N
ClientSampleId :

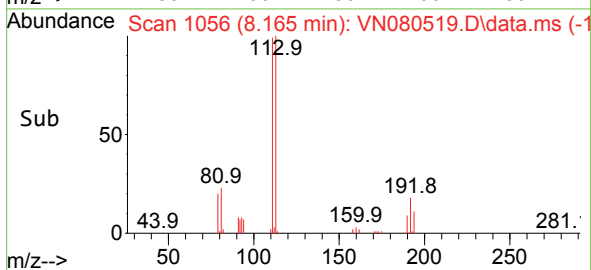
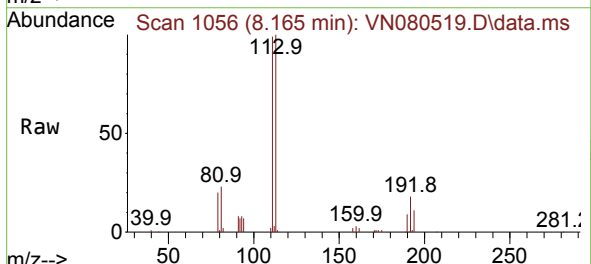
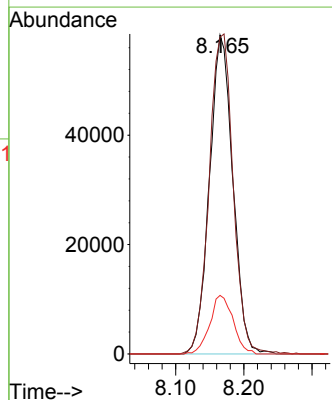


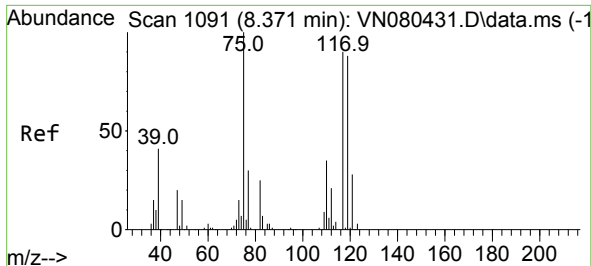
Tgt Ion:114 Resp: 425275
Ion Ratio Lower Upper
114 100
63 21.0 0.0 36.4
88 18.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.557 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

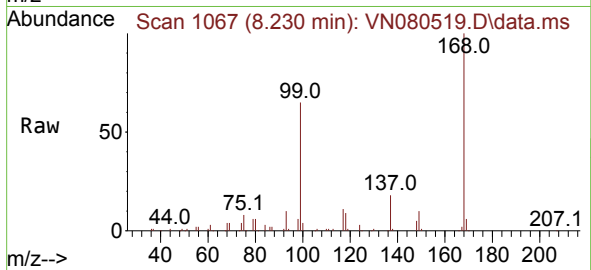
Tgt Ion:113 Resp: 139020
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 18.3 12.7 19.1



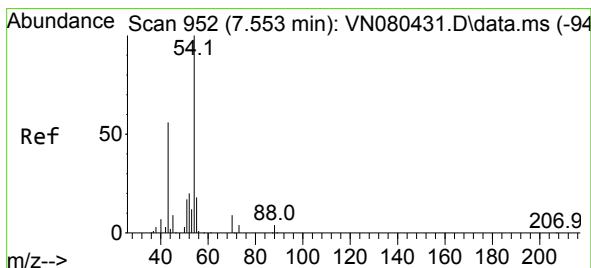
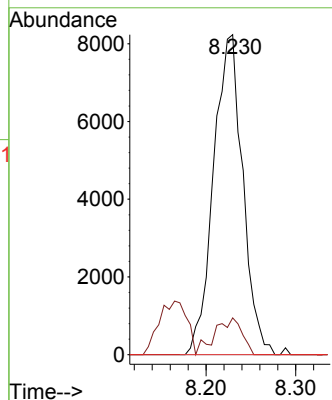
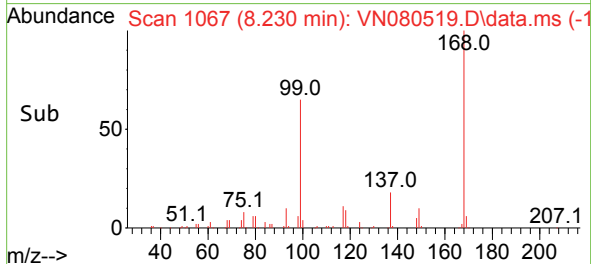


#36
1,1-Dichloropropene
Concen: 4.220 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

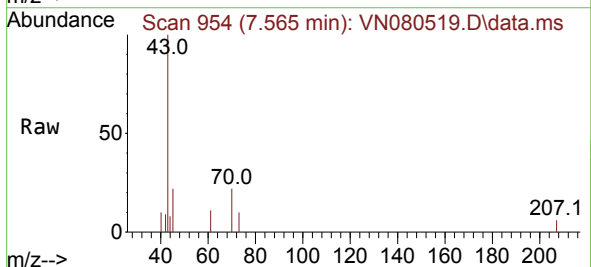
Instrument :
MSVOA_N
ClientSampleId :



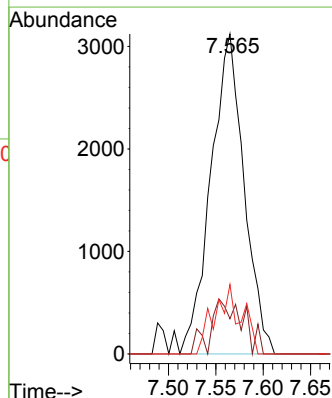
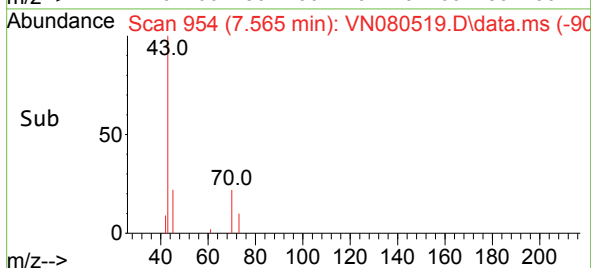
Tgt Ion: 75 Resp: 18603
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#

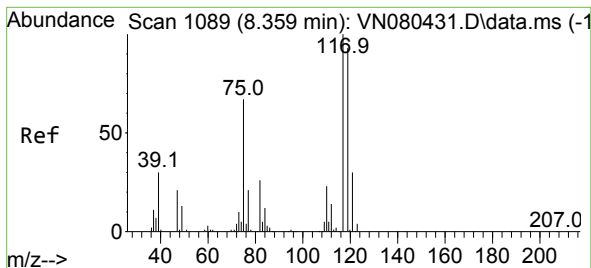


#37
Ethyl Acetate
Concen: 2.752 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46



Tgt Ion: 43 Resp: 7597
Ion Ratio Lower Upper
43 100
61 16.8 13.2 19.8
70 17.6 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.121 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

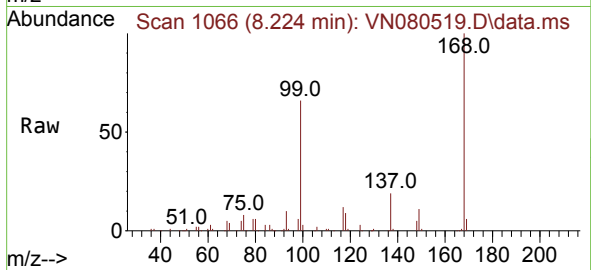
Lab File: VN080519.D

Acq: 19 Dec 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :



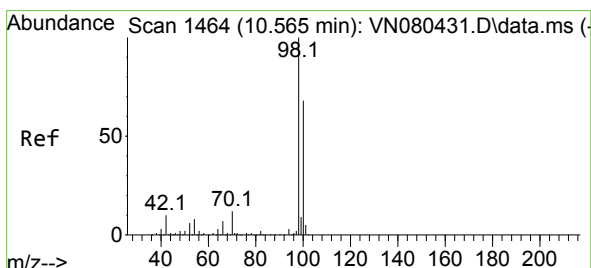
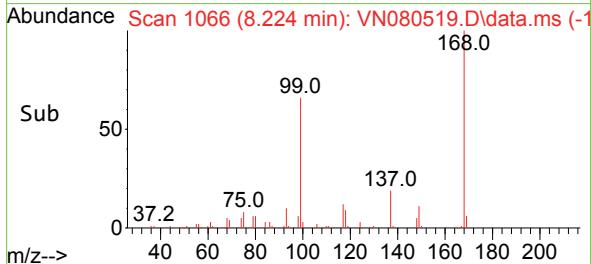
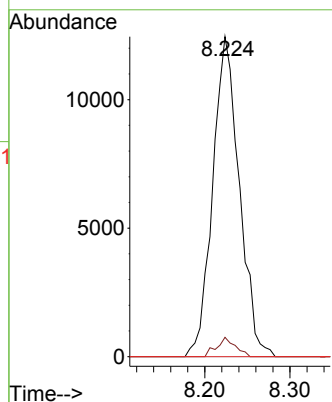
Tgt Ion:117 Resp: 26976

Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 49.408 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080519.D

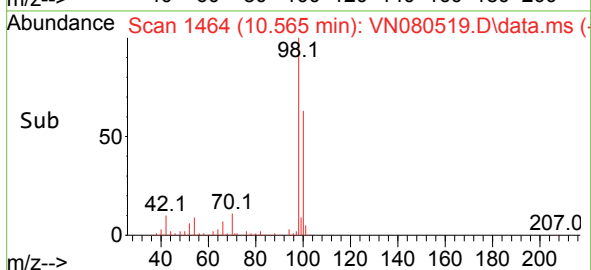
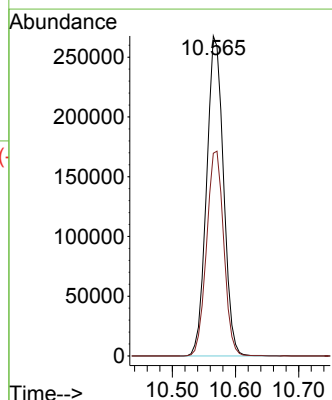
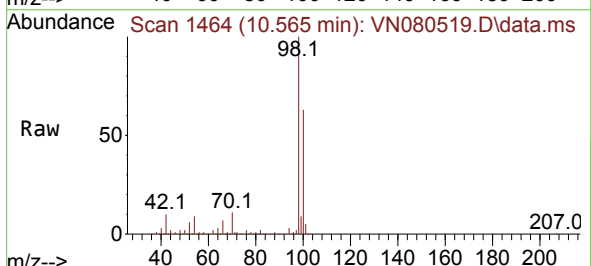
Acq: 19 Dec 2023 14:46

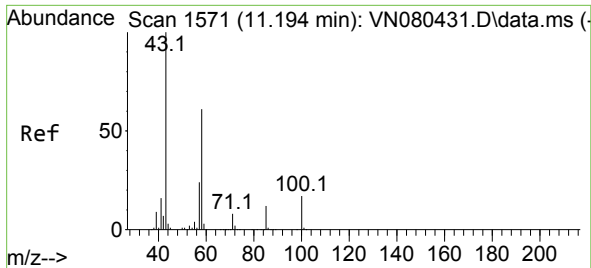
Tgt Ion: 98 Resp: 496857

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

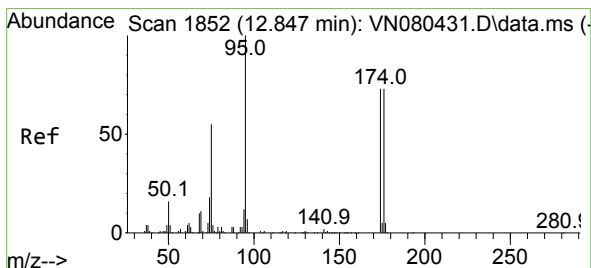
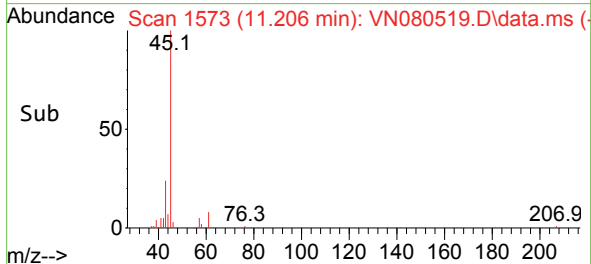
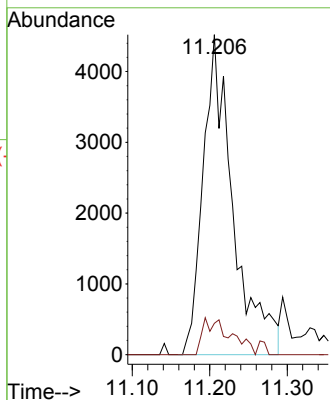
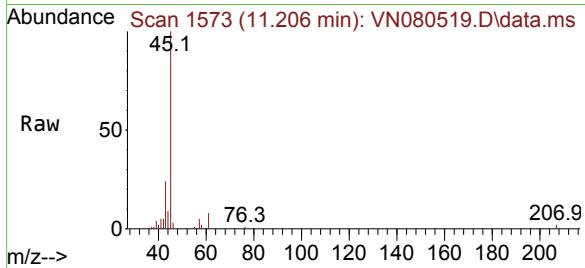




#59
2-Hexanone
Concen: 6.006 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

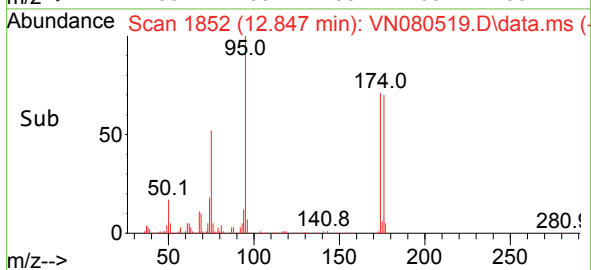
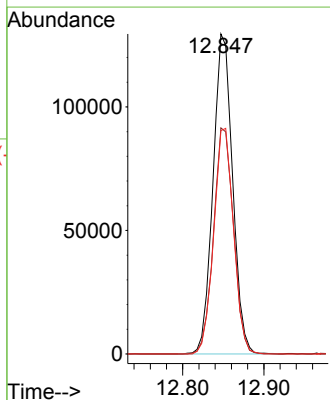
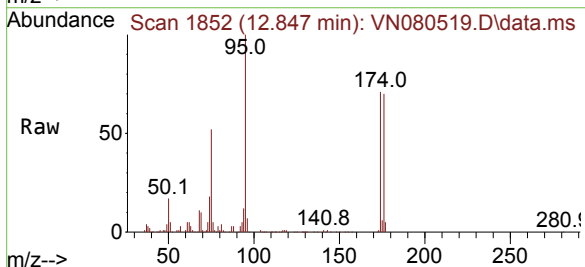
Instrument :
MSVOA_N
ClientSampleId :

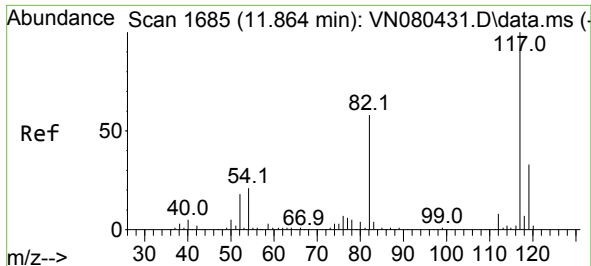
Tgt Ion: 43 Resp: 12121
Ion Ratio Lower Upper
43 100
58 7.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 56.852 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

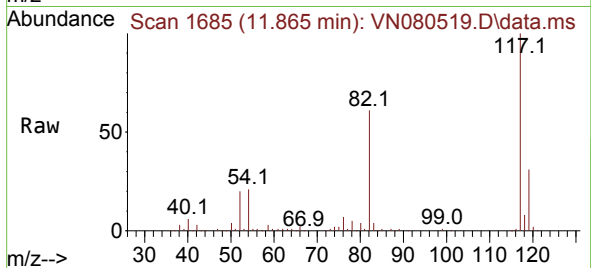
Tgt Ion: 95 Resp: 217095
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 71.1 0.0 135.8



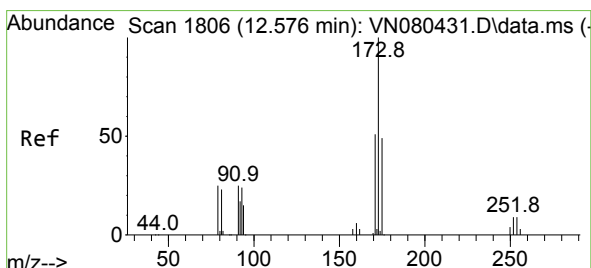
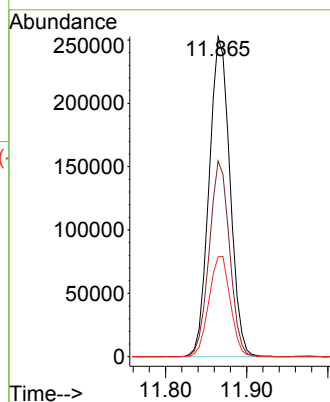
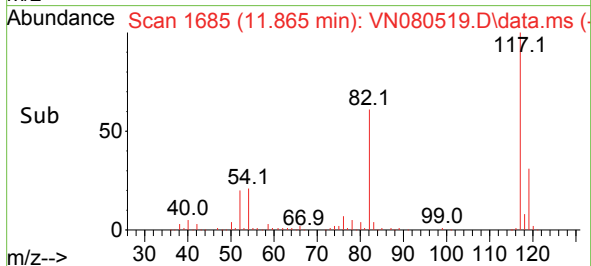


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46

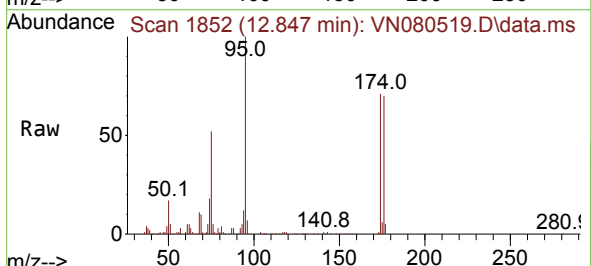
Instrument :
MSVOA_N
ClientSampleId :



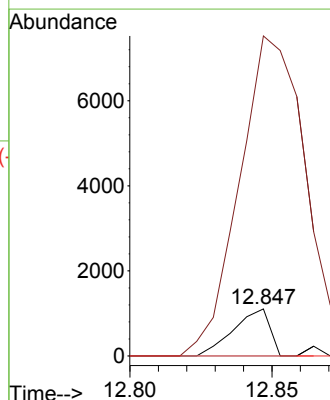
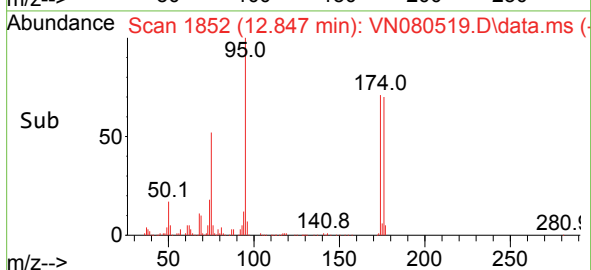
Tgt Ion:117 Resp: 449779
Ion Ratio Lower Upper
117 100
82 61.1 44.0 66.0
119 31.2 25.6 38.4

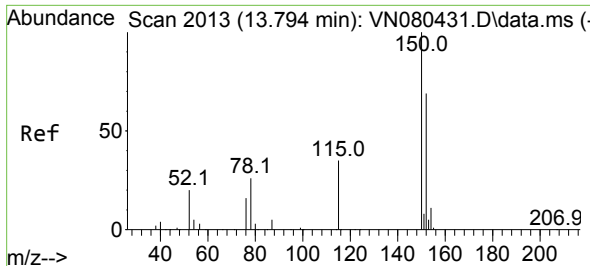


#71
Bromoform
Concen: 0.344 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080519.D
Acq: 19 Dec 2023 14:46



Tgt Ion:173 Resp: 985
Ion Ratio Lower Upper
173 100
175 857.7 24.3 73.0#
254 0.0 0.0 0.0

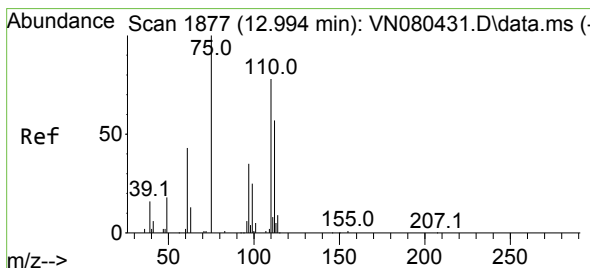
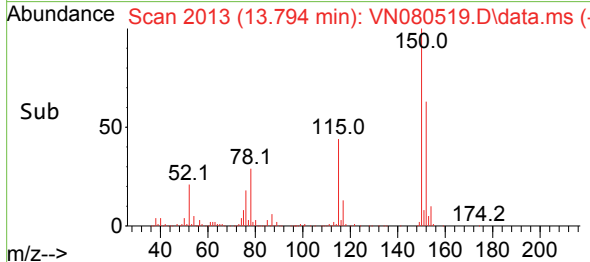
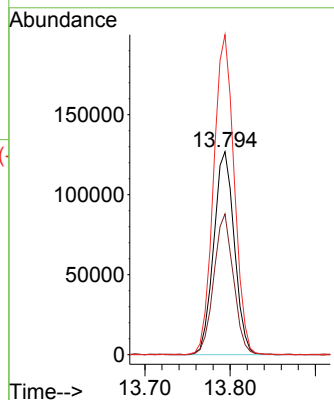
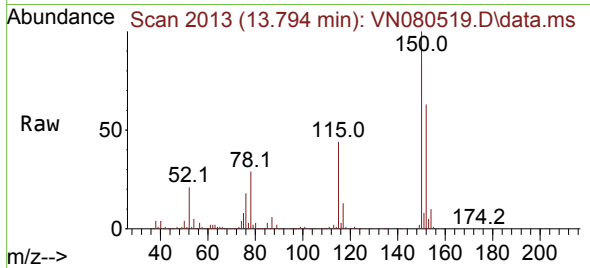




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080519.D
 Acq: 19 Dec 2023 14:46

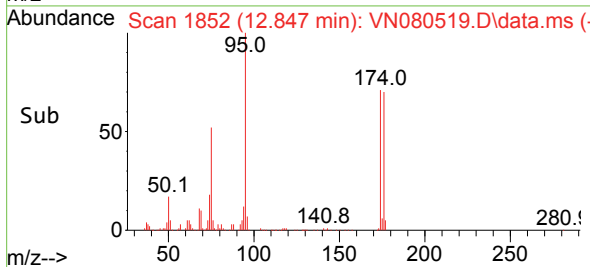
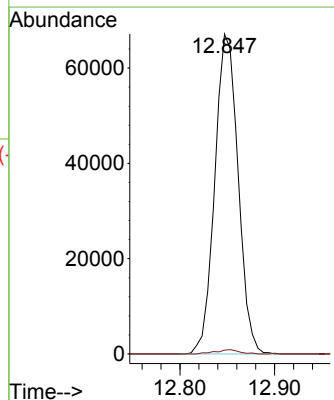
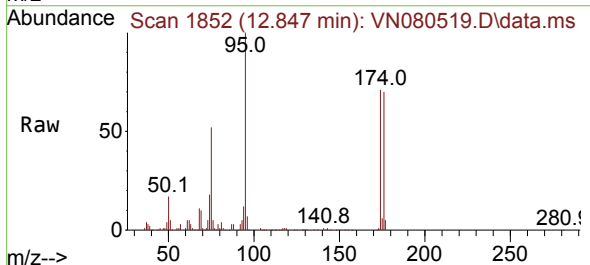
Instrument :
 MSVOA_N
 ClientSampleId :

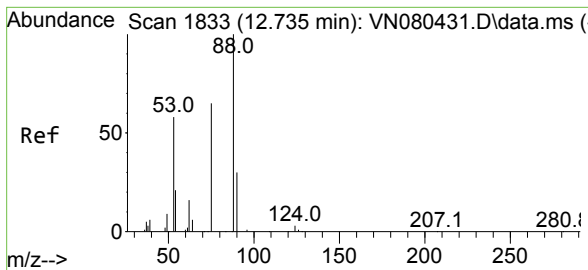
Tgt Ion:152 Resp: 212943
 Ion Ratio Lower Upper
 152 100
 115 66.3 32.3 96.8
 150 157.7 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 27.027 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080519.D
 Acq: 19 Dec 2023 14:46

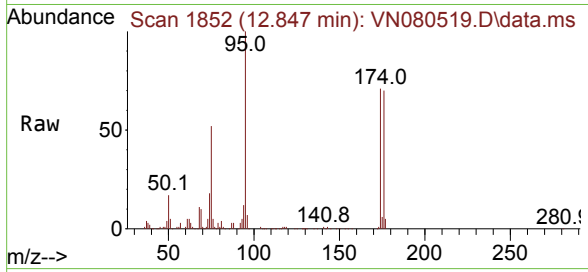
Tgt Ion: 75 Resp: 114814
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.962 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080519.D
 Acq: 19 Dec 2023 14:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 114814
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

