

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080518.D
 Acq On : 19 Dec 2023 14:23
 Operator : JC\MD
 Sample : 05863-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 04:01:50 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)

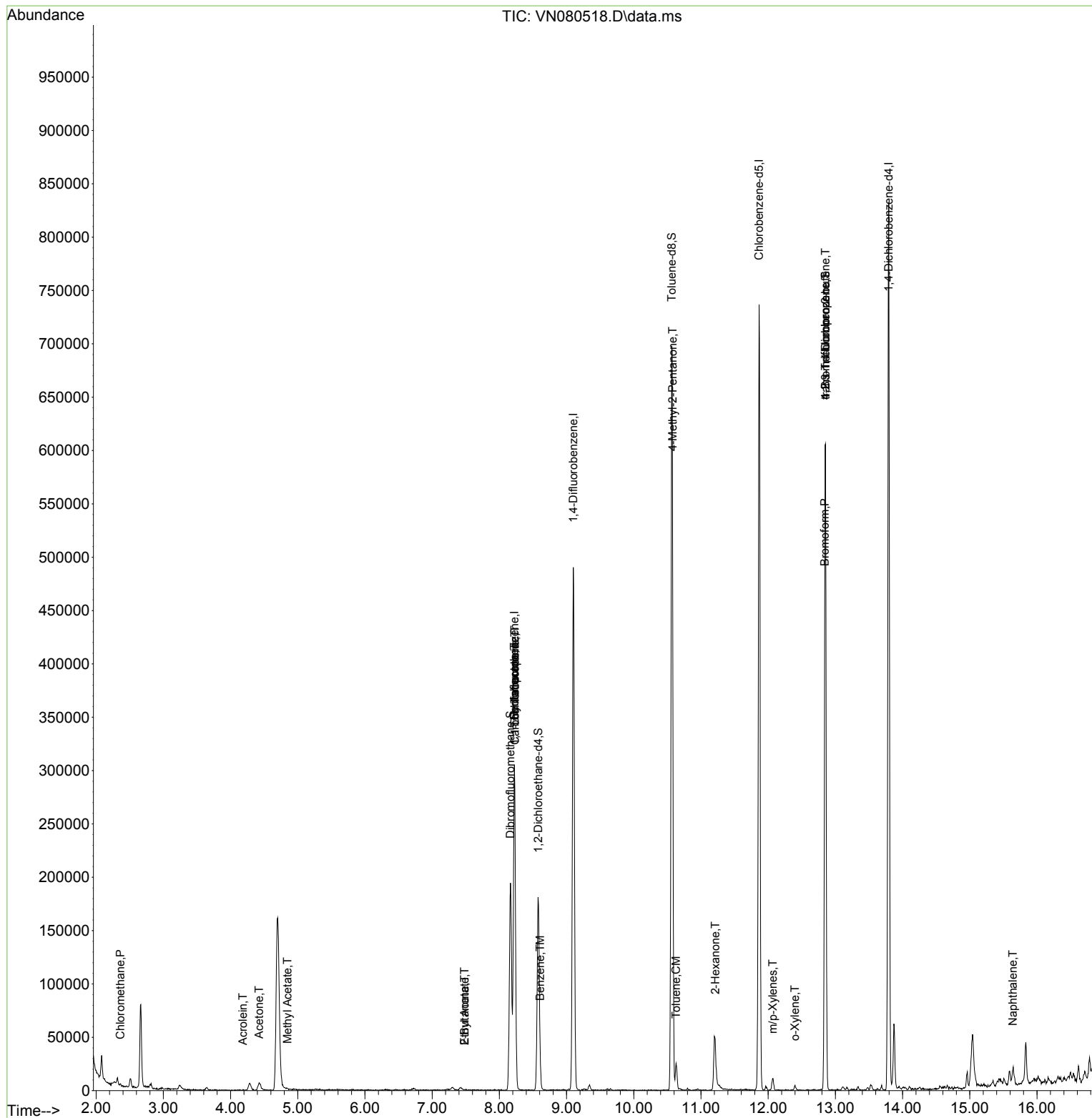
Internal Standards						
1) Pentafluorobenzene	8.224	168	210886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	387725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	431249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158473	58.835	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.680%
35) Dibromofluoromethane	8.165	113	136047	55.341	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.680%
50) Toluene-d8	10.565	98	501495	54.699	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.400%
62) 4-Bromofluorobenzene	12.853	95	218719	62.824	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	125.640%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3239	0.752	ug/l	95
13) Acrolein	4.183	56	136	0.391	ug/l #	52
16) Acetone	4.424	43	13267	27.779	ug/l	89
18) Methyl Acetate	4.847	43	782	0.254	ug/l #	42
25) 2-Butanone	7.482	43	799	0.868	ug/l #	37
31) Cyclohexane	8.224	56	5310	1.450	ug/l #	37
36) 1,1-Dichloropropene	8.229	75	17007	4.231	ug/l #	47
37) Ethyl Acetate	7.482	43	799	0.317	ug/l #	63
38) Carbon Tetrachloride	8.229	117	24110	5.020	ug/l #	16
40) Benzene	8.606	78	7674	0.661	ug/l	99
51) 4-Methyl-2-Pentanone	10.576	43	2123	0.852	ug/l #	1
52) Toluene	10.629	92	10767	1.468	ug/l	95
59) 2-Hexanone	11.212	43	17094	9.290	ug/l #	32
68) m/p-Xylenes	12.070	106	3925	0.602	ug/l	95
69) o-Xylene	12.400	106	1441	0.226	ug/l	94
71) Bromoform	12.841	173	835	0.304	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	119968	27.383	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	119968	71.897	ug/l #	15
95) Naphthalene	15.641	128	13180	1.077	ug/l #	91

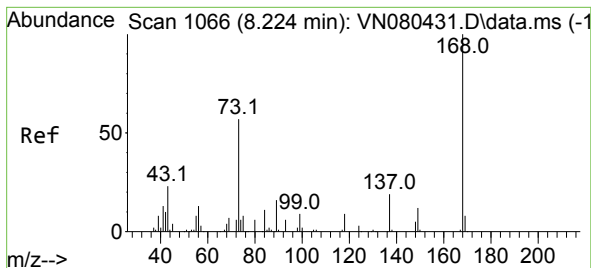
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080518.D

Acq: 19 Dec 2023 14:23

Instrument :

MSVOA_N

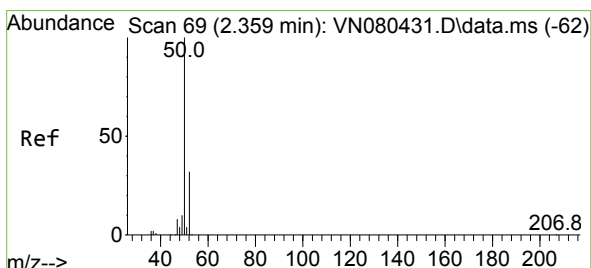
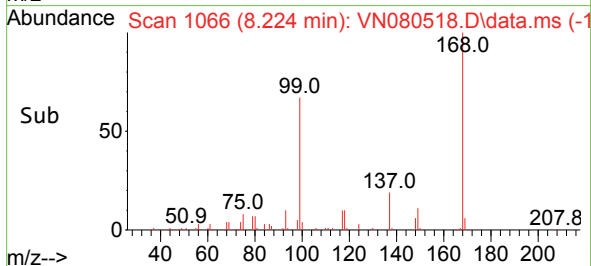
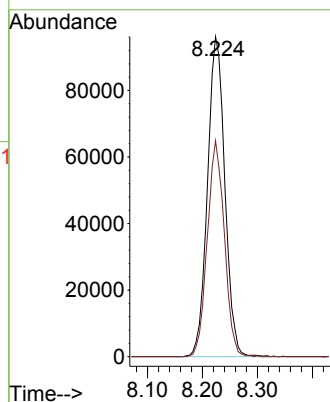
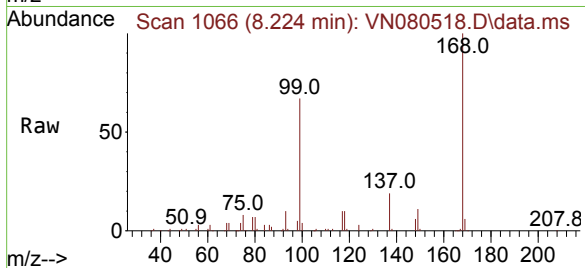
ClientSampleId :

Tgt Ion:168 Resp: 210886

Ion Ratio Lower Upper

168 100

99 67.5 53.0 79.6



#3

Chloromethane

Concen: 0.752 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080518.D

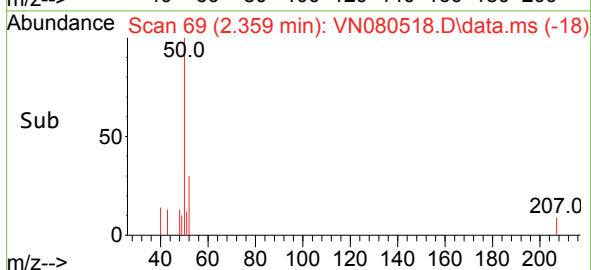
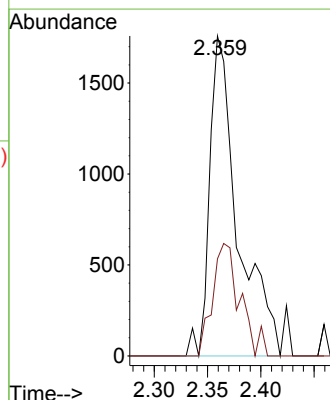
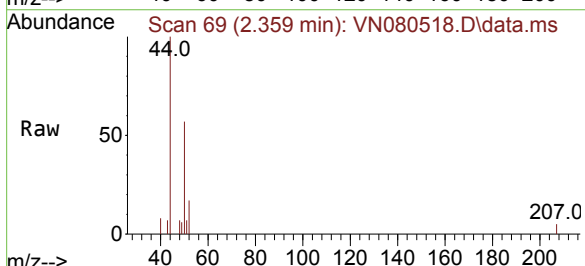
Acq: 19 Dec 2023 14:23

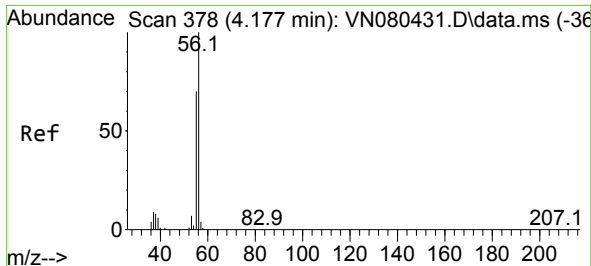
Tgt Ion: 50 Resp: 3239

Ion Ratio Lower Upper

50 100

52 30.4 26.5 39.7

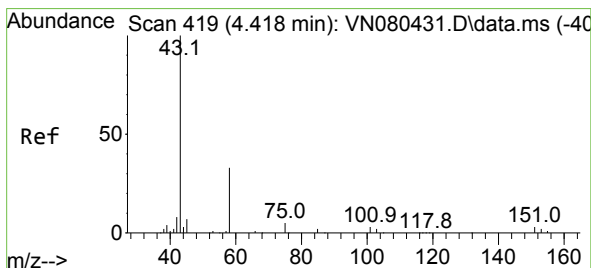
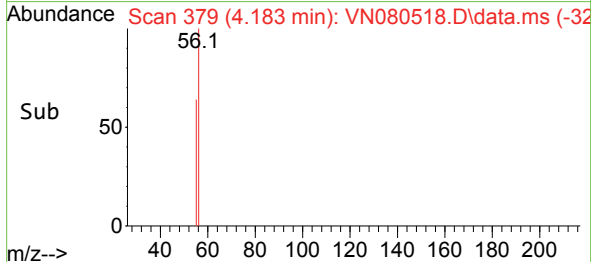
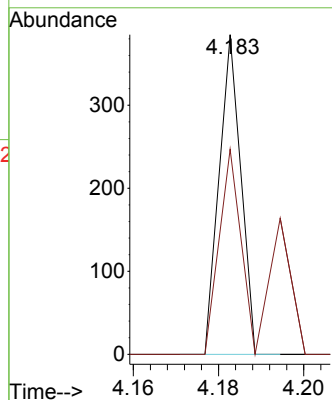
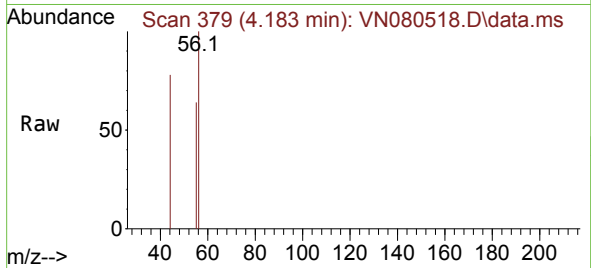




#13
Acrolein
Concen: 0.391 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

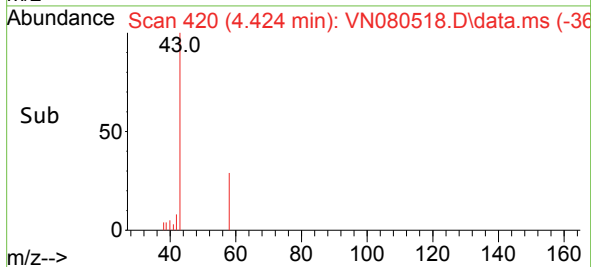
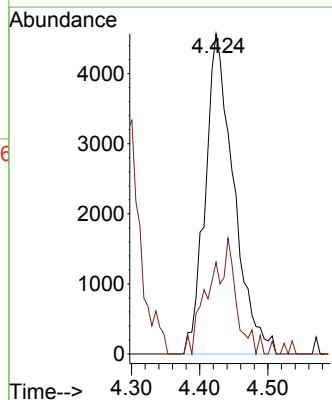
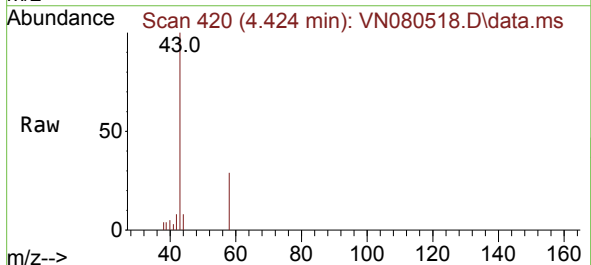
Instrument :
MSVOA_N
ClientSampleId :

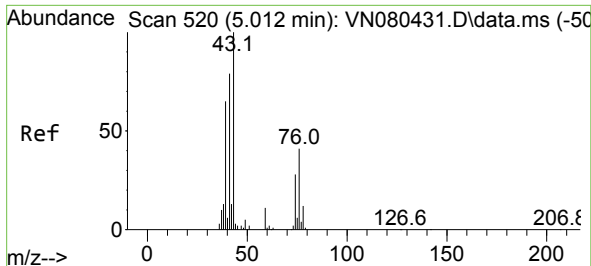
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 106.6 54.5 81.7#



#16
Acetone
Concen: 27.779 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

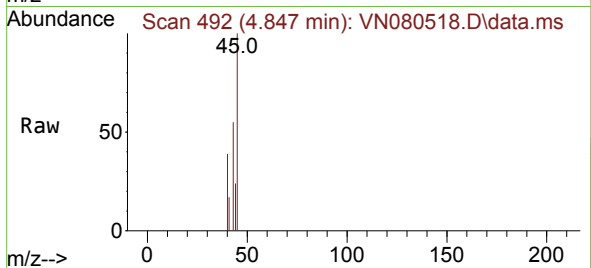
Tgt Ion: 43 Resp: 13267
Ion Ratio Lower Upper
43 100
58 28.7 28.0 42.0



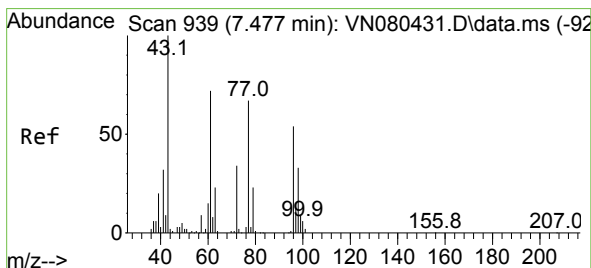
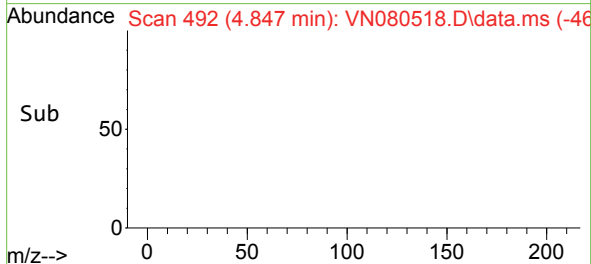
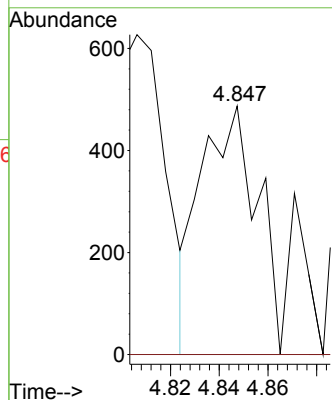


#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 4.847 min Scan# 492
Delta R.T. -0.165 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

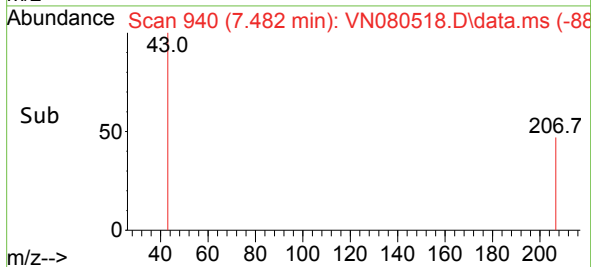
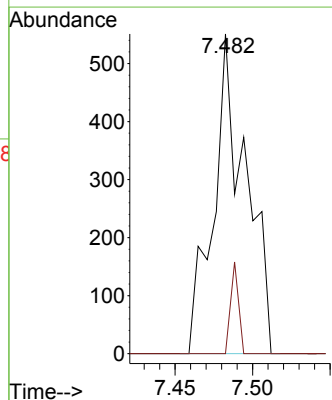
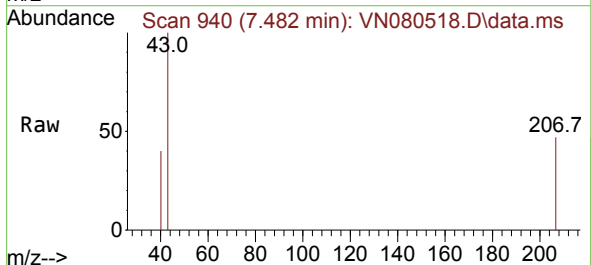


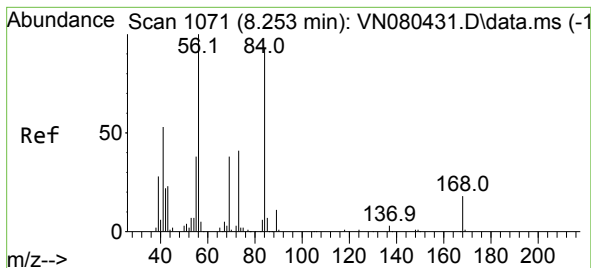
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#25
2-Butanone
Concen: 0.868 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

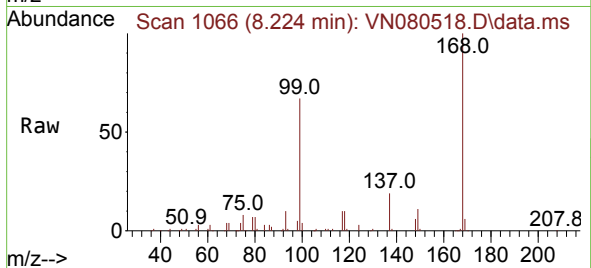
Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



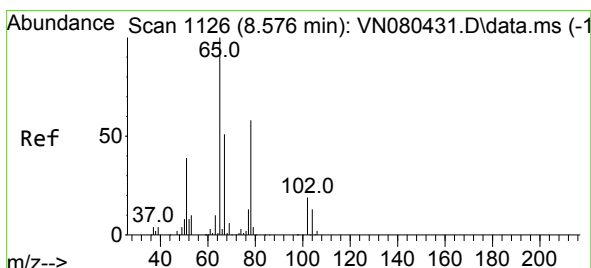
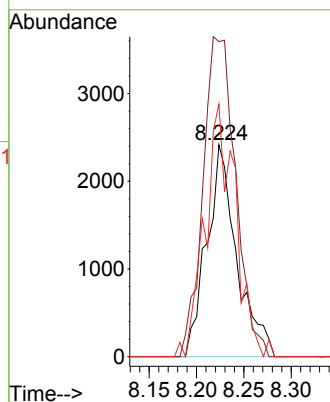
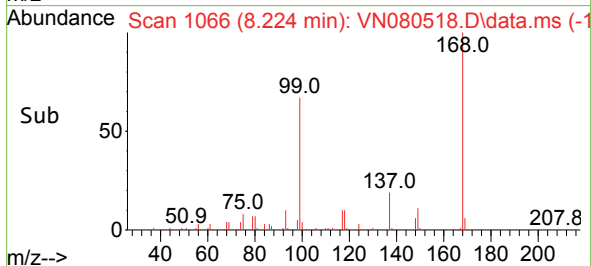


#31
Cyclohexane
Concen: 1.450 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

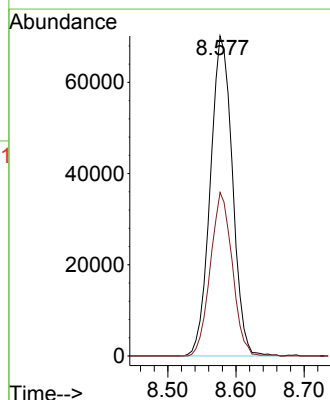
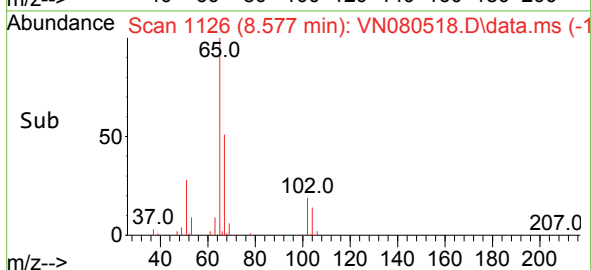
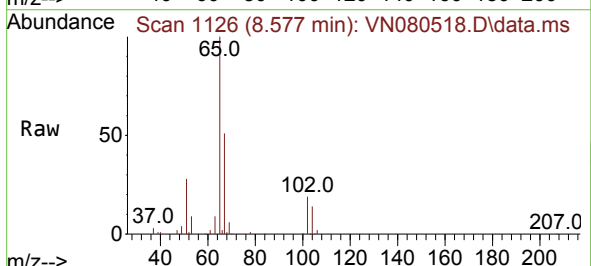


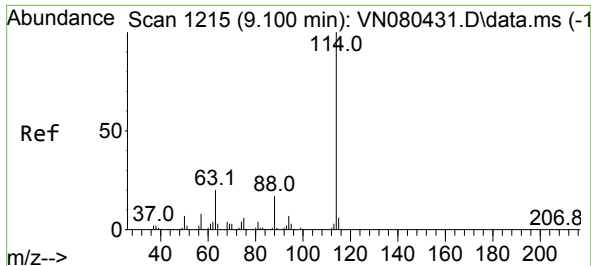
Tgt Ion: 56 Resp: 5310
Ion Ratio Lower Upper
56 100
69 148.7 26.8 40.2#
84 119.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 58.835 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

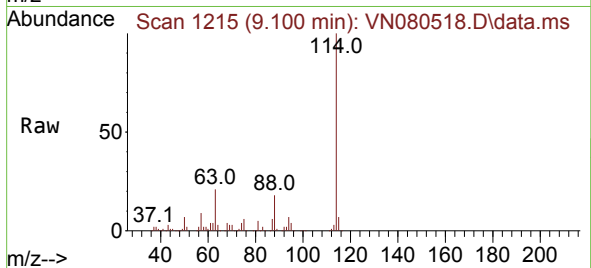
Tgt Ion: 65 Resp: 158473
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.6



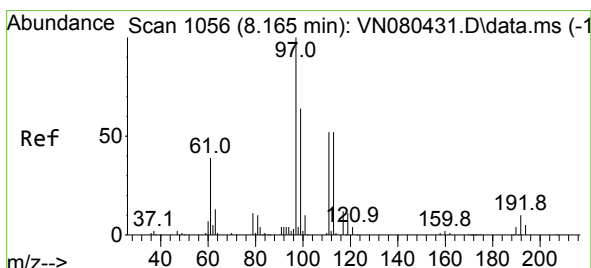
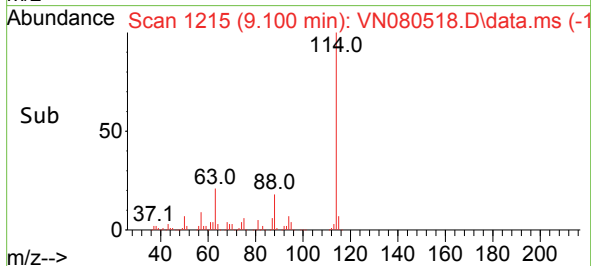
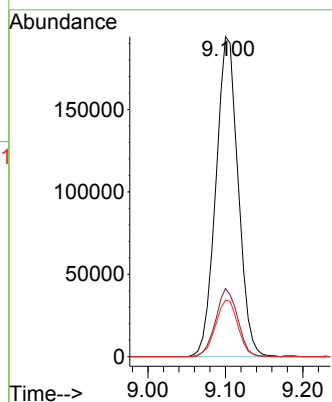


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

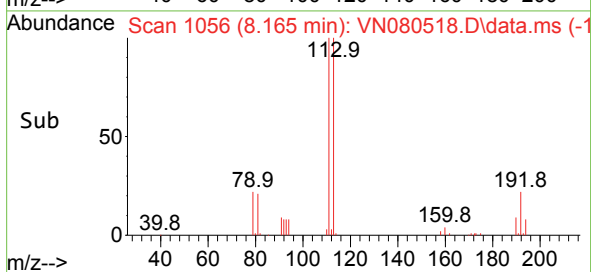
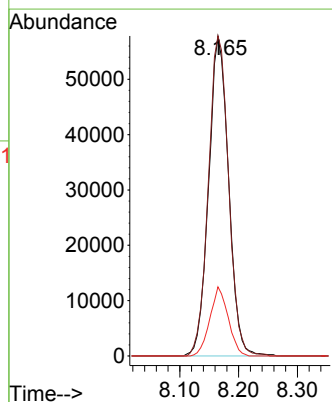
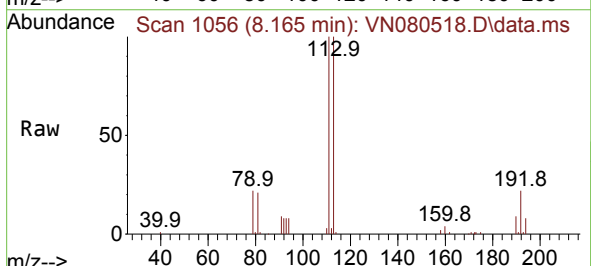


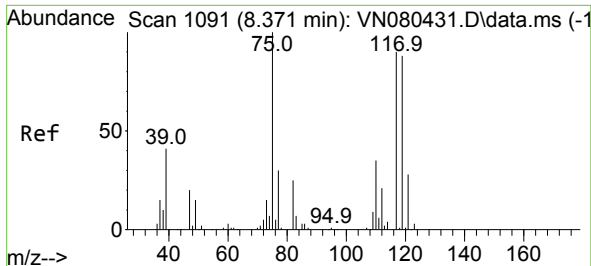
Tgt Ion:114 Resp: 387725
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.4
88 17.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.341 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Tgt Ion:113 Resp: 136047
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 19.8 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.231 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.141 min

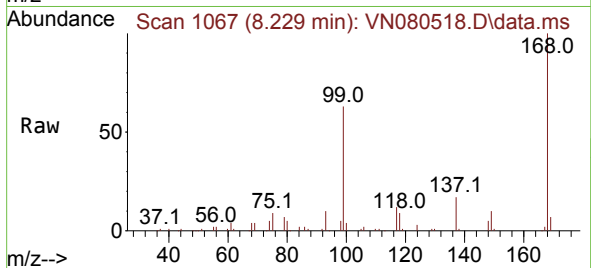
Lab File: VN080518.D

Acq: 19 Dec 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :



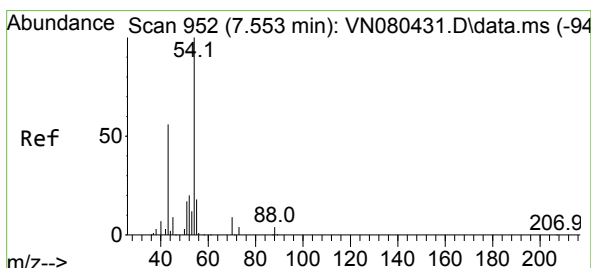
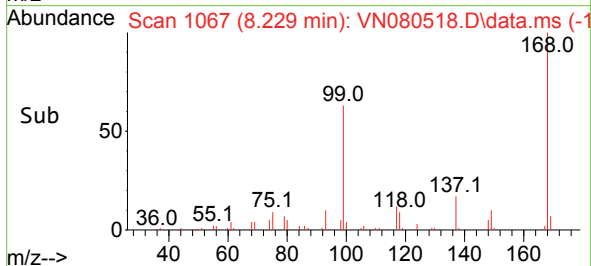
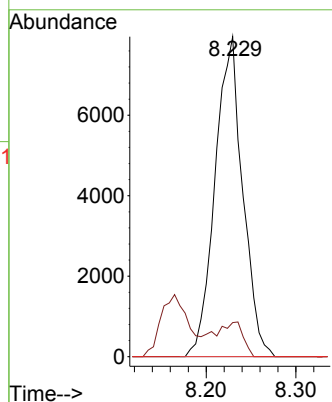
Tgt Ion: 75 Resp: 17007

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.317 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN080518.D

Acq: 19 Dec 2023 14:23

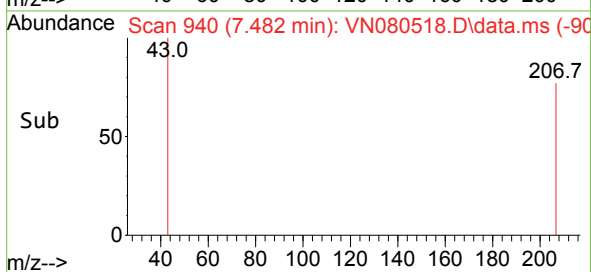
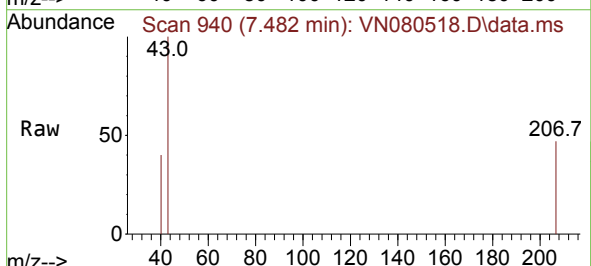
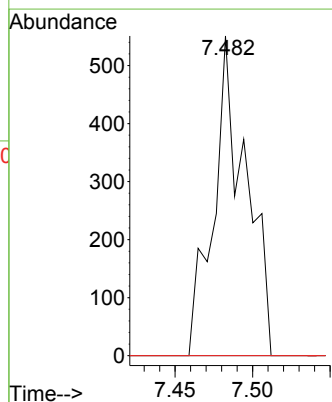
Tgt Ion: 43 Resp: 799

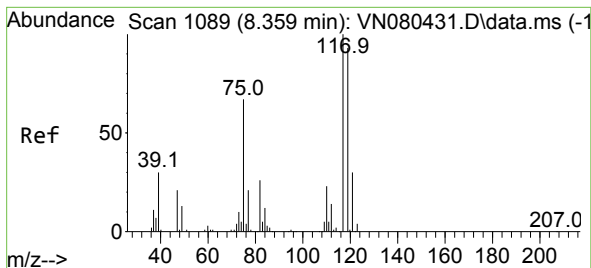
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.020 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

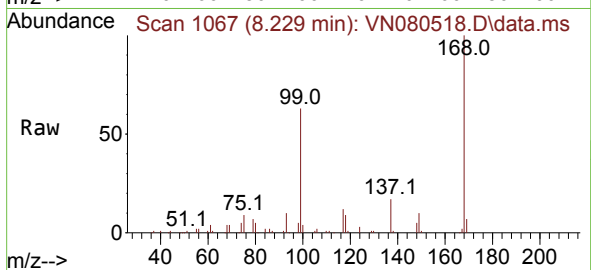
Lab File: VN080518.D

Acq: 19 Dec 2023 14:23

Instrument :

MSVOA_N

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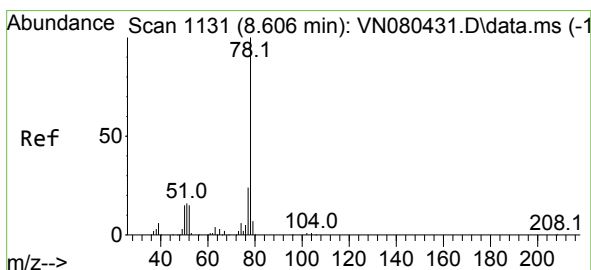
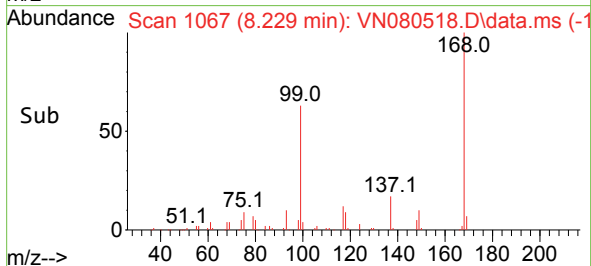
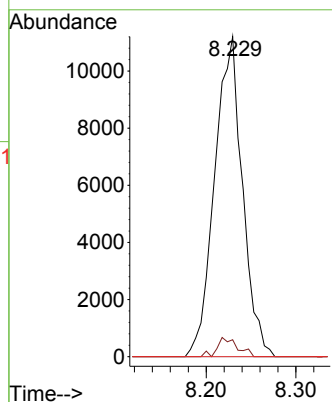
Tgt Ion:117 Resp: 24110

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 0.661 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080518.D

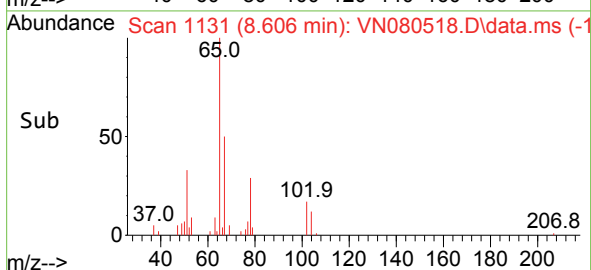
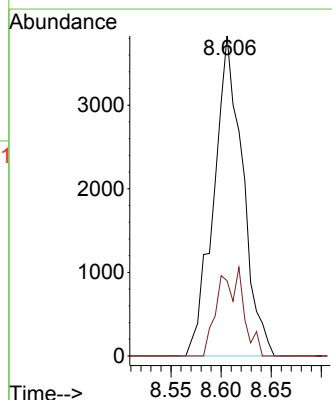
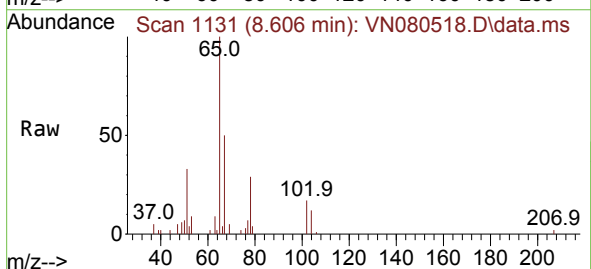
Acq: 19 Dec 2023 14:23

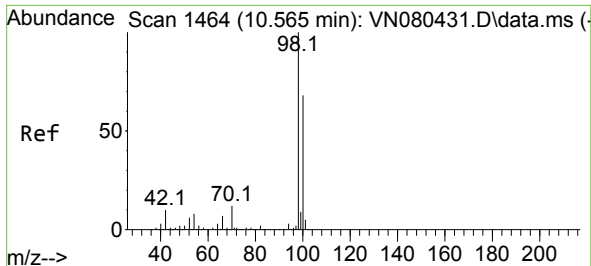
Tgt Ion: 78 Resp: 7674

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

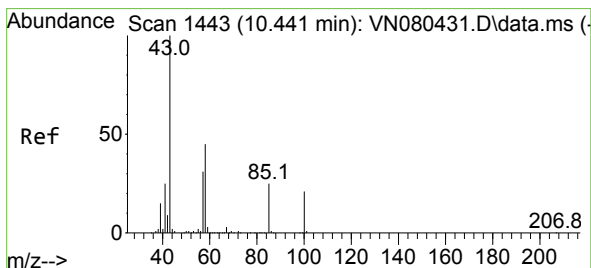
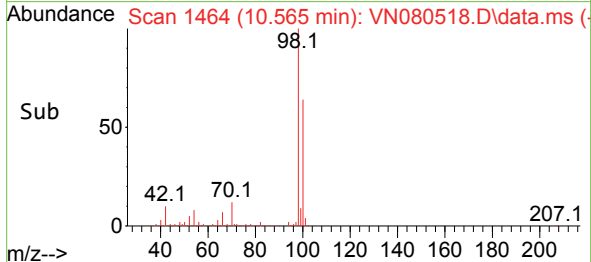
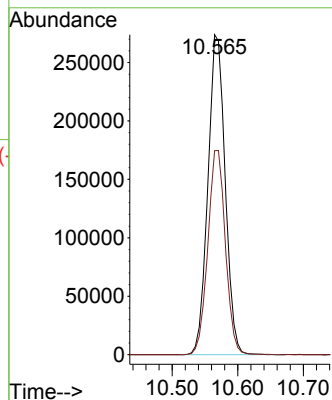
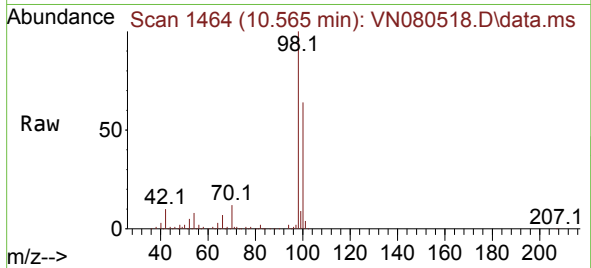




#50
Toluene-d8
Concen: 54.699 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

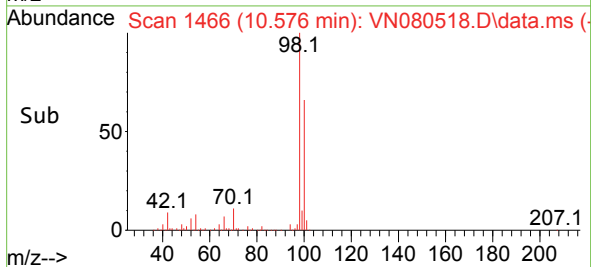
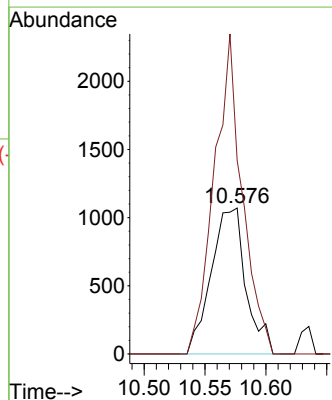
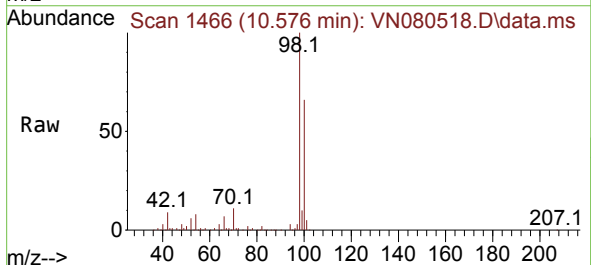
Instrument :
MSVOA_N
ClientSampleId :

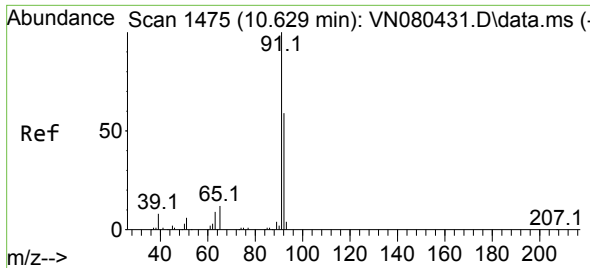
Tgt Ion: 98 Resp: 501495
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.852 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.135 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Tgt Ion: 43 Resp: 2123
Ion Ratio Lower Upper
43 100
58 177.5 36.6 54.8#

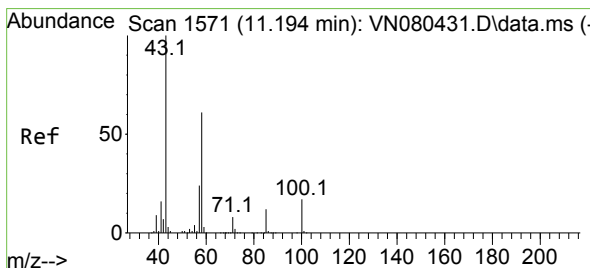
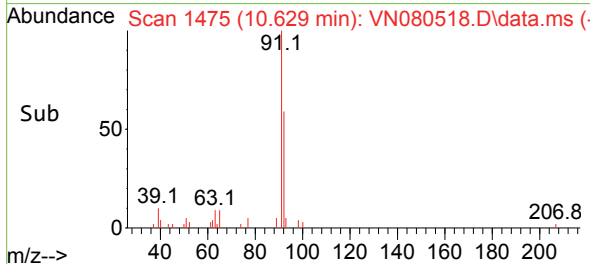
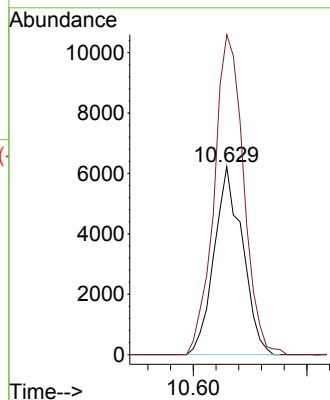
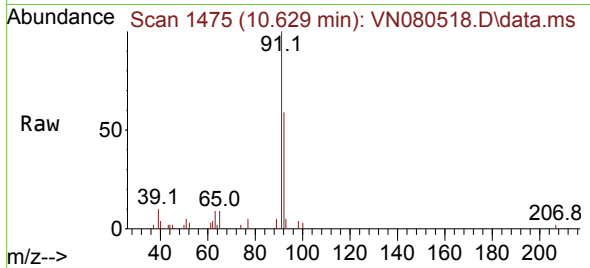




#52
Toluene
Concen: 1.468 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

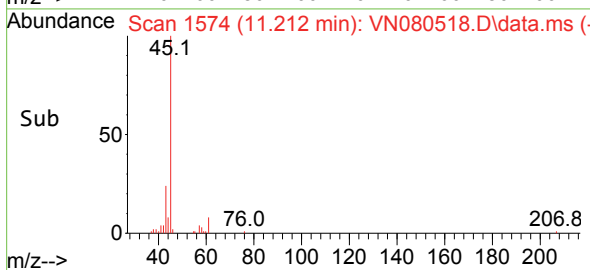
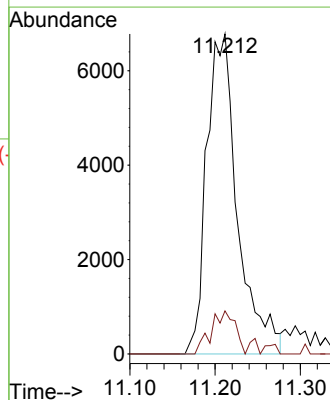
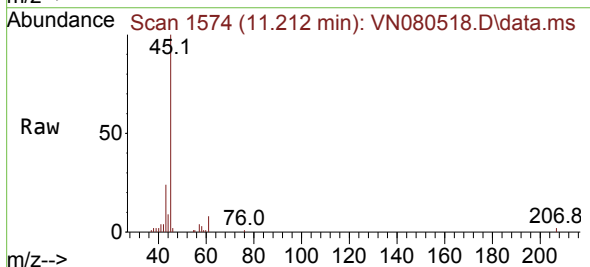
Instrument :
MSVOA_N
ClientSampleId :

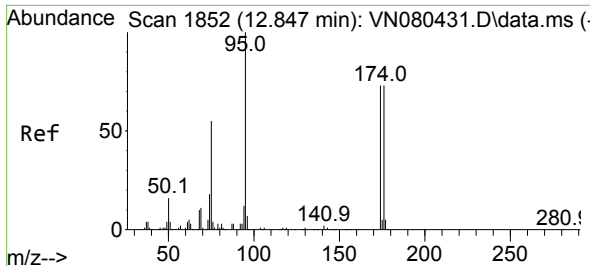
Tgt Ion: 92 Resp: 10767
Ion Ratio Lower Upper
92 100
91 177.9 137.4 206.0



#59
2-Hexanone
Concen: 9.290 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.018 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Tgt Ion: 43 Resp: 17094
Ion Ratio Lower Upper
43 100
58 10.5 31.7 95.1#

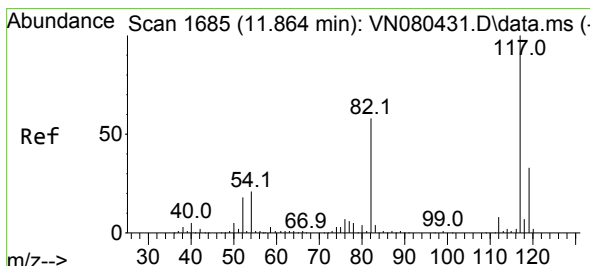
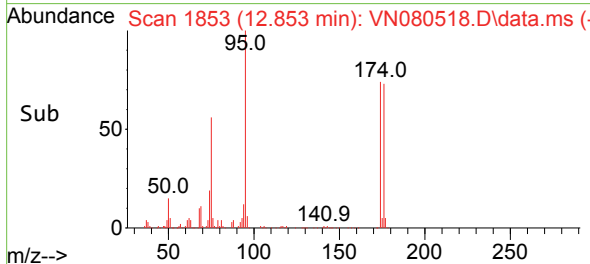
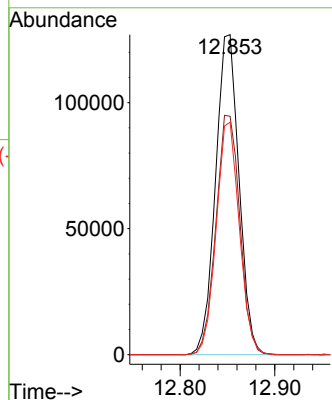
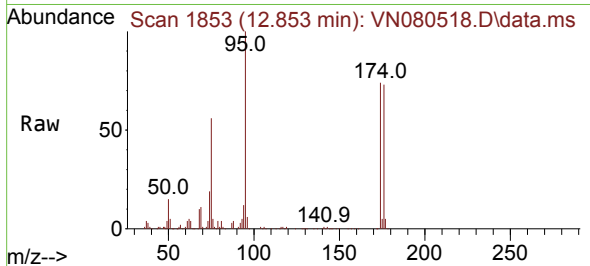




#62
4-Bromofluorobenzene
Concen: 62.824 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

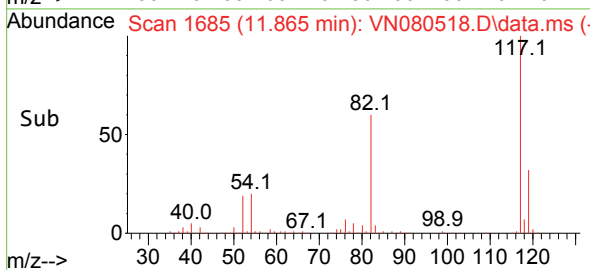
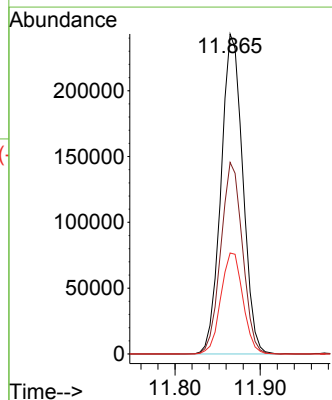
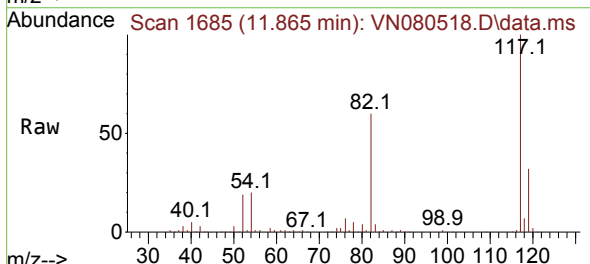
Instrument :
MSVOA_N
ClientSampleId :

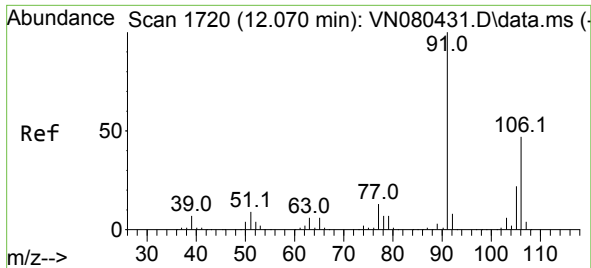
Tgt Ion: 95 Resp: 218719
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 71.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Tgt Ion: 117 Resp: 431249
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 31.5 25.6 38.4

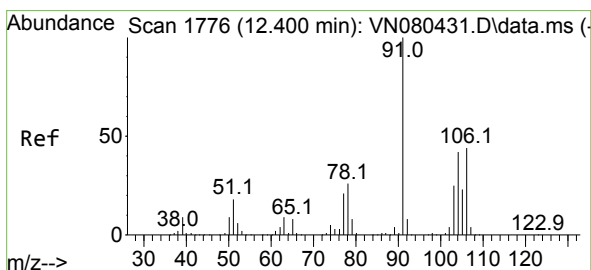
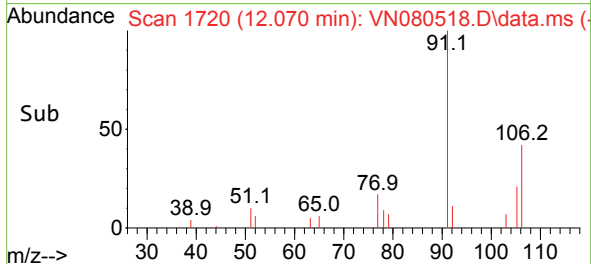
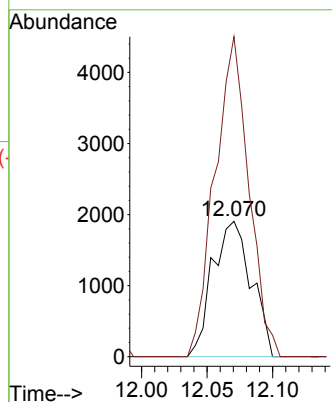
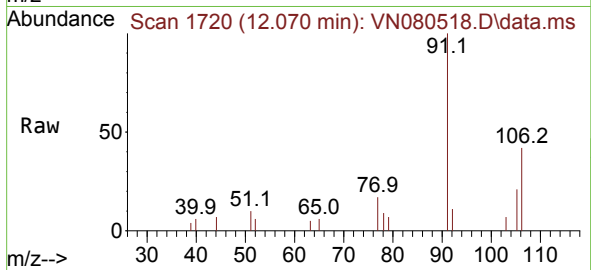




#68
m/p-Xylenes
Concen: 0.602 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

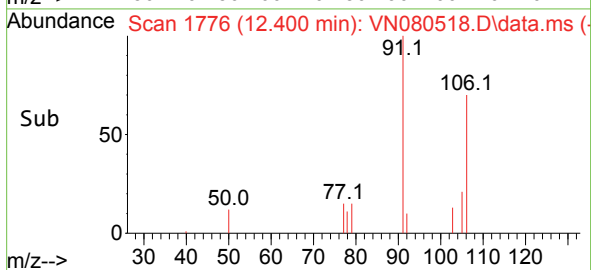
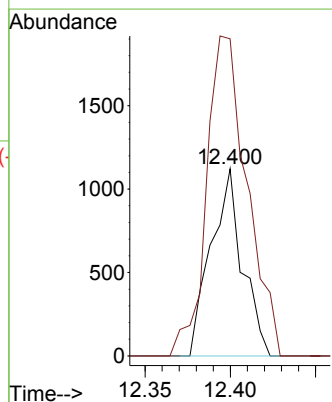
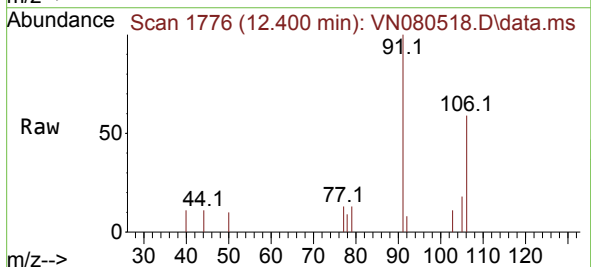
Instrument :
MSVOA_N
ClientSampleId :

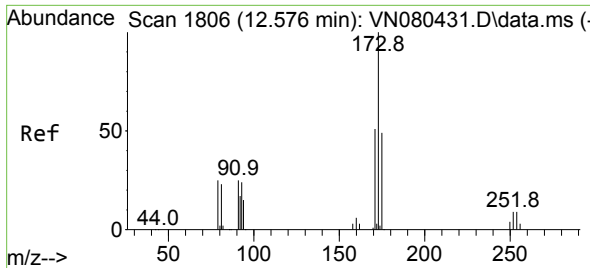
Tgt Ion:106 Resp: 3925
Ion Ratio Lower Upper
106 100
91 206.3 159.6 239.4



#69
o-Xylene
Concen: 0.226 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Tgt Ion:106 Resp: 1441
Ion Ratio Lower Upper
106 100
91 219.5 105.2 315.5

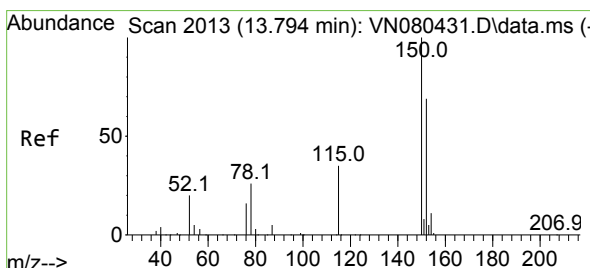
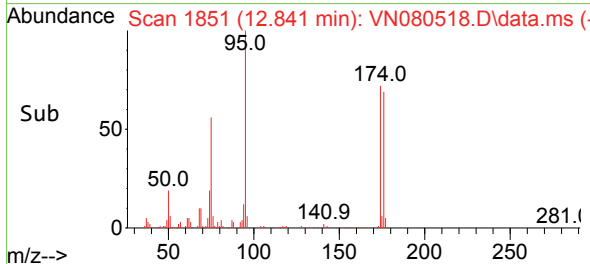
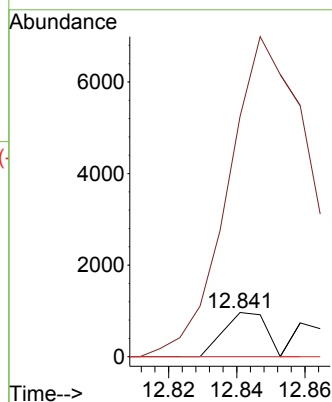
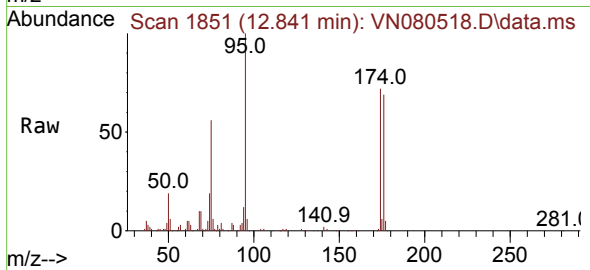




#71
Bromoform
Concen: 0.304 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

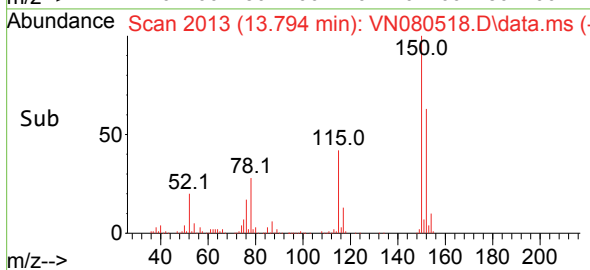
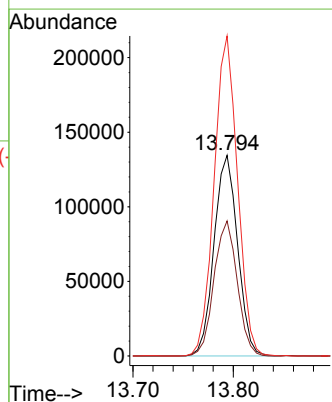
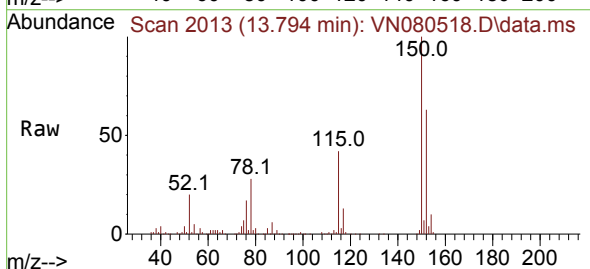
Instrument :
MSVOA_N
ClientSampleId :

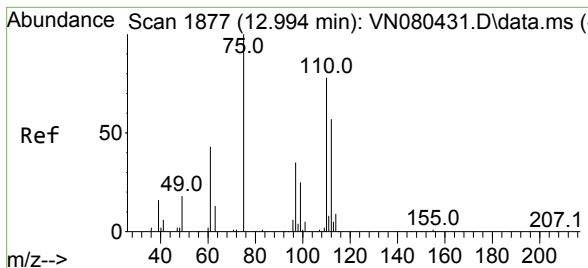
Tgt Ion:173 Resp: 835
Ion Ratio Lower Upper
173 100
175 966.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080518.D
Acq: 19 Dec 2023 14:23

Tgt Ion:152 Resp: 219607
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 158.4 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.383 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

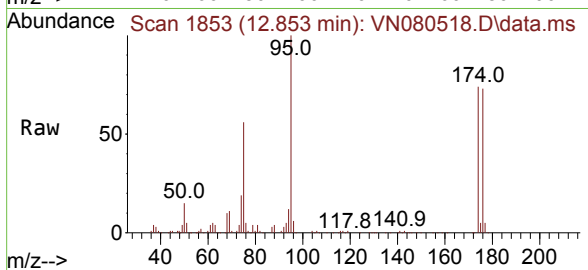
Lab File: VN080518.D

Acq: 19 Dec 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

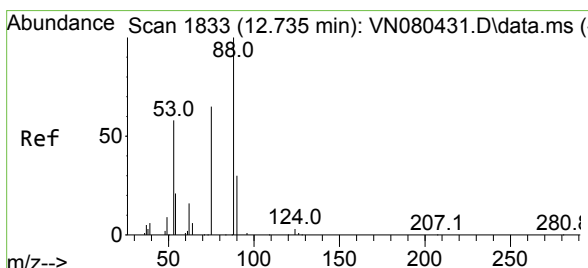
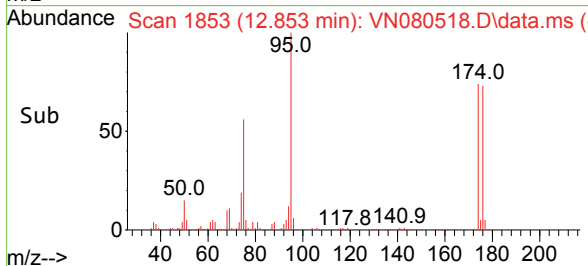
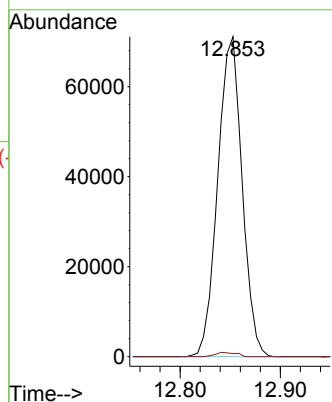


Tgt Ion: 75 Resp: 119968

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.897 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080518.D

Acq: 19 Dec 2023 14:23

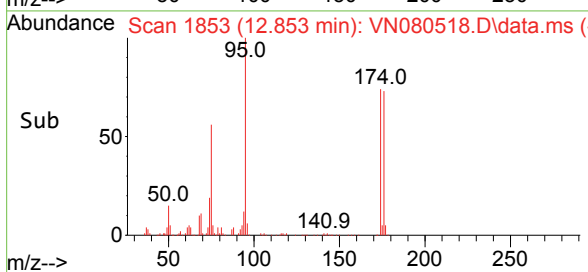
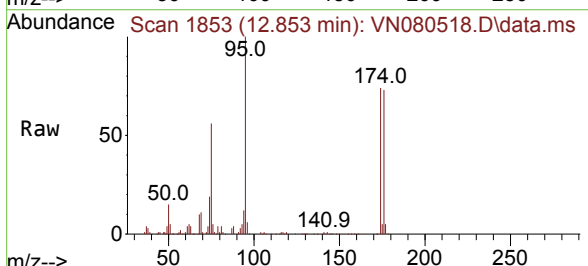
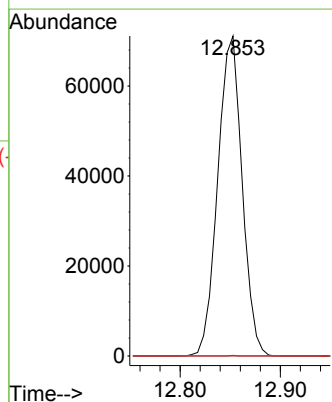
Tgt Ion: 75 Resp: 119968

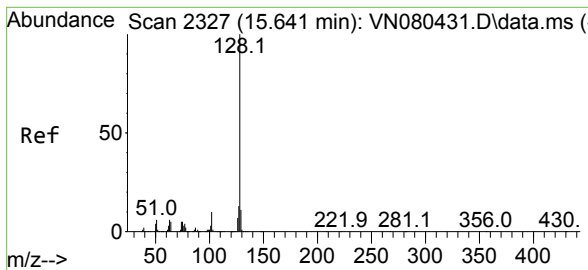
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

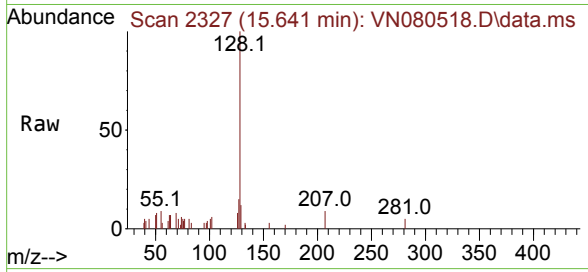
89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 1.077 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080518.D
 Acq: 19 Dec 2023 14:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	13180
Ion Ratio	Lower	Upper	
128	100		
127	16.4	10.0	15.0#
129	14.2	8.7	13.1#

