

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077967.D
 Acq On : 30 May 2023 14:15
 Operator : JC\MD
 Sample : 02973-13 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01-20230526

Quant Time: May 31 02:07:23 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)

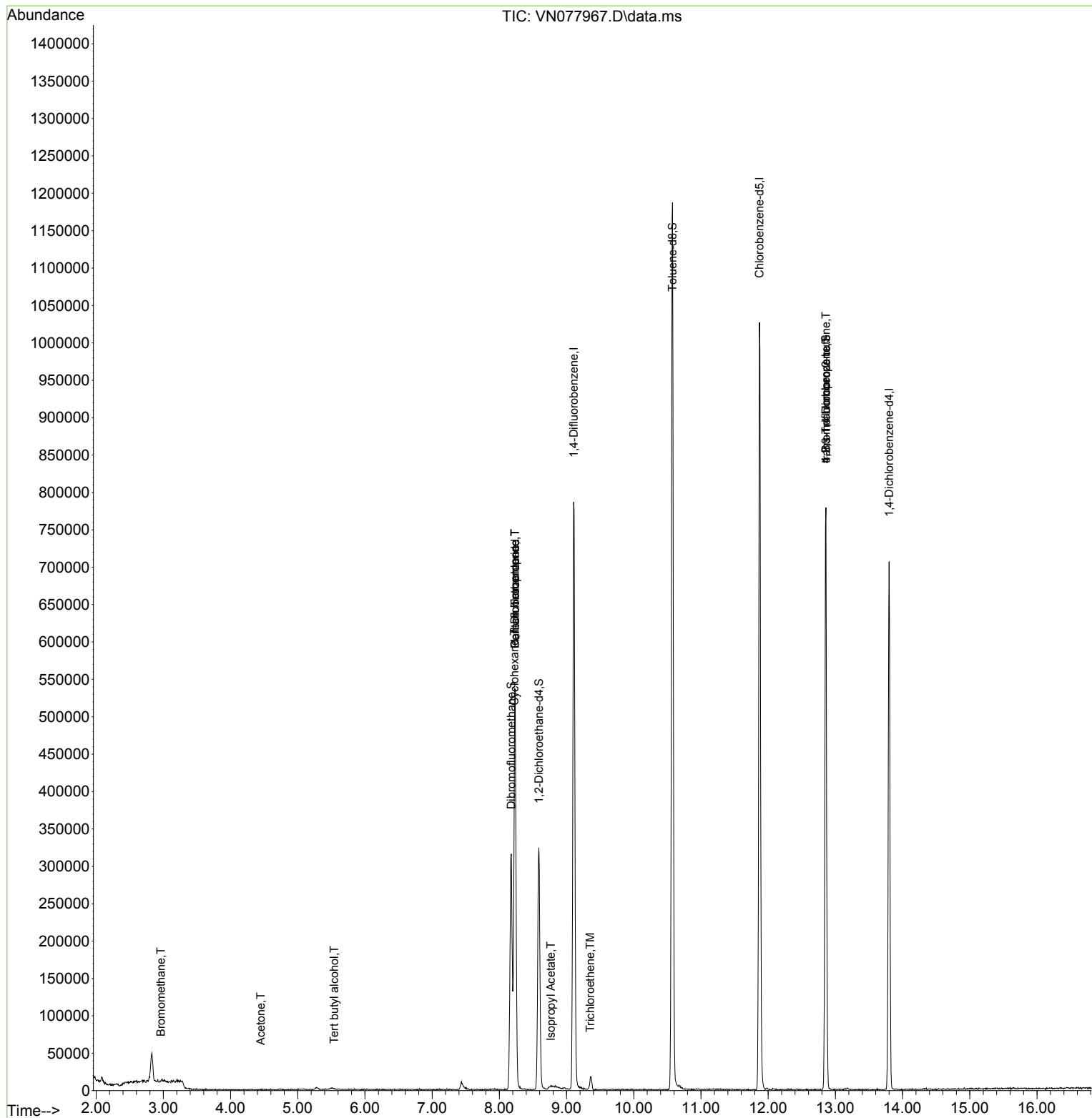
Internal Standards						
1) Pentafluorobenzene	8.236	168	379091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	702320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	622577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	269024	47.429	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.860%		
35) Dibromofluoromethane	8.177	113	223040	48.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.400%		
50) Toluene-d8	10.577	98	860468	48.813	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.620%		
62) 4-Bromofluorobenzene	12.859	95	281190	45.165	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.340%		
Target Compounds						
3) Chloromethane	2.365	50	980	Below Cal	#	53
5) Bromomethane	2.965	94	1285	0.319	ug/l	90
11) Tert butyl alcohol	5.542	59	354	0.452	ug/l #	72
13) Acrolein	4.177	56	71	Below Cal		88
16) Acetone	4.448	43	485	0.272	ug/l #	40
20) Methylene Chloride	5.289	84	2267	Below Cal	#	75
31) Cyclohexane	8.224	56	9215	1.195	ug/l #	54
36) 1,1-Dichloropropene	8.230	75	33930	5.065	ug/l #	49
38) Carbon Tetrachloride	8.236	117	43740	6.466	ug/l #	15
43) Isopropyl Acetate	8.765	43	3511	0.360	ug/l #	49
44) Trichloroethene	9.353	130	6554	1.309	ug/l	94
76) 1,2,3-Trichloropropane	12.859	75	147861	30.361	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	147861	97.049	ug/l #	15

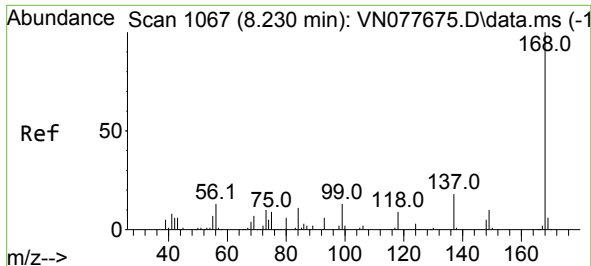
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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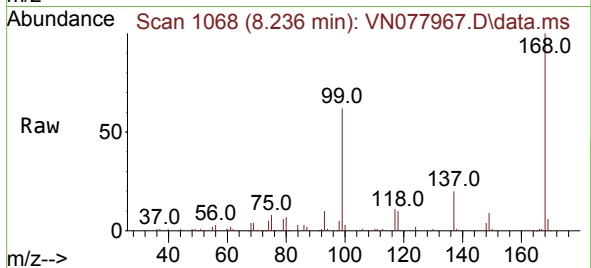
Quant Time: May 31 02:07:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
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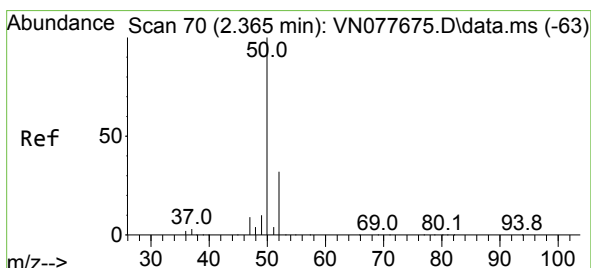
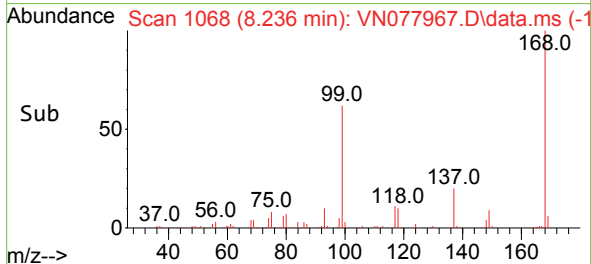
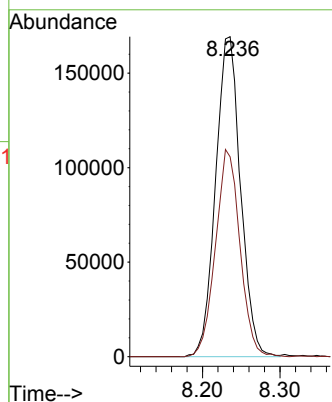


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
DUP-01-20230526

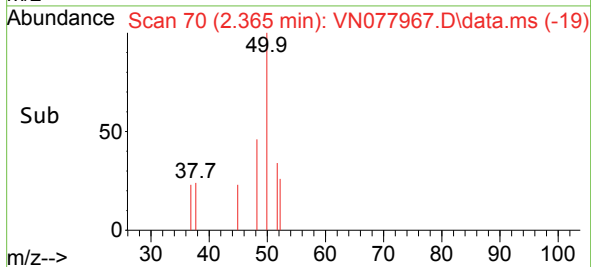
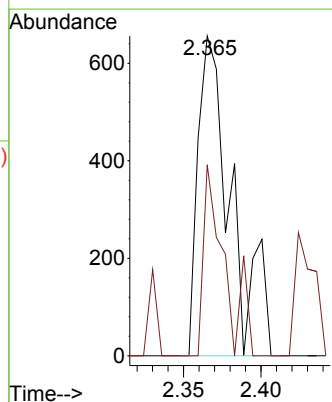
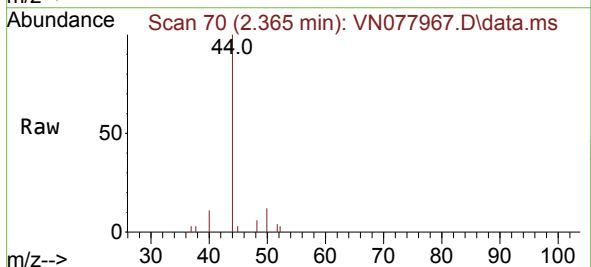


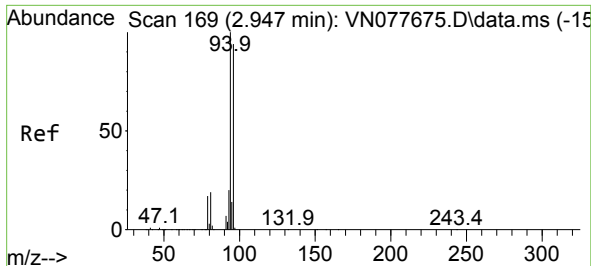
Tgt Ion:168 Resp: 379091
Ion Ratio Lower Upper
168 100
99 62.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Tgt Ion: 50 Resp: 980
Ion Ratio Lower Upper
50 100
52 59.8 26.5 39.7#

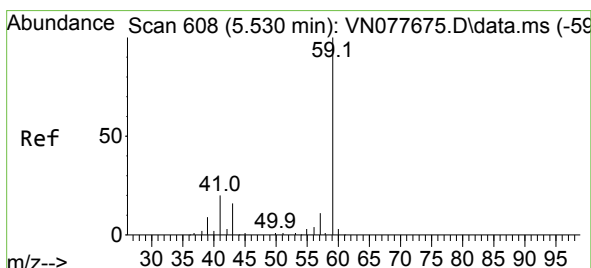
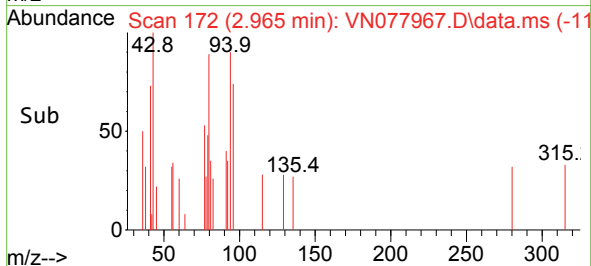
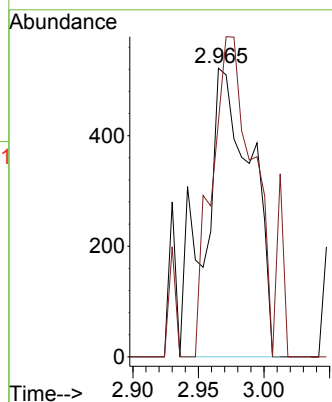
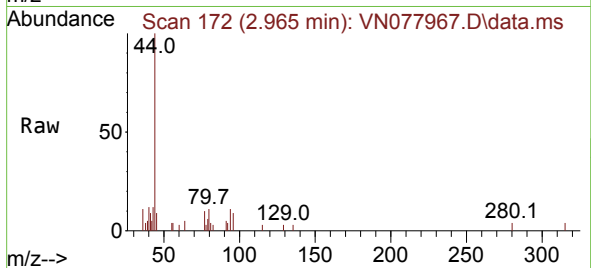




#5
Bromomethane
Concen: 0.319 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

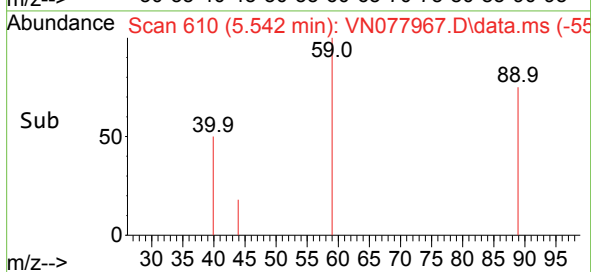
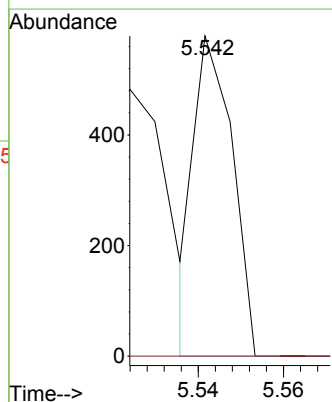
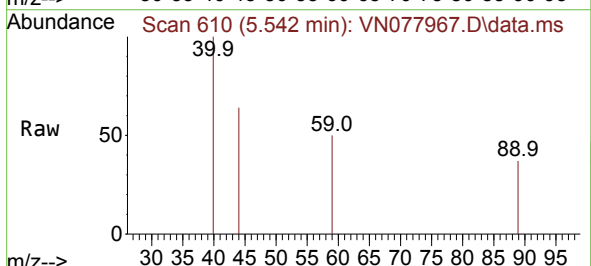
Instrument :
MSVOA_N
ClientSampleId :
DUP-01-20230526

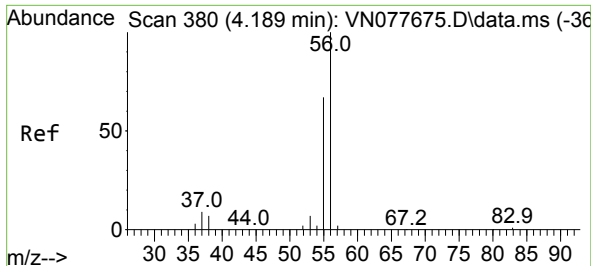
Tgt Ion: 94 Resp: 1285
Ion Ratio Lower Upper
94 100
96 81.6 73.1 109.7



#11
Tert butyl alcohol
Concen: 0.452 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Tgt Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

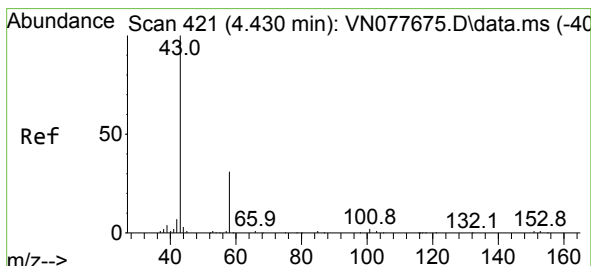
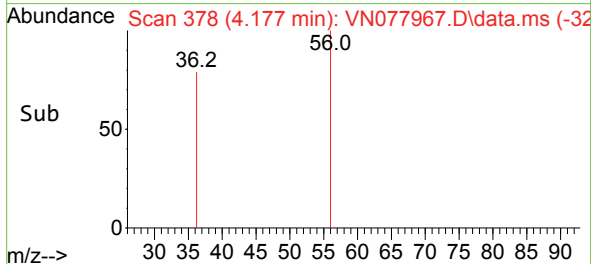
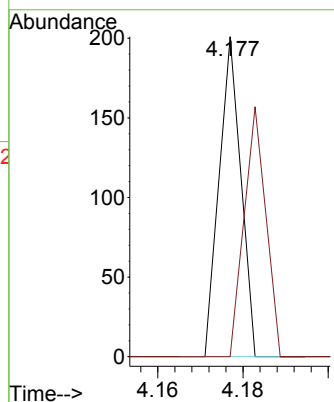
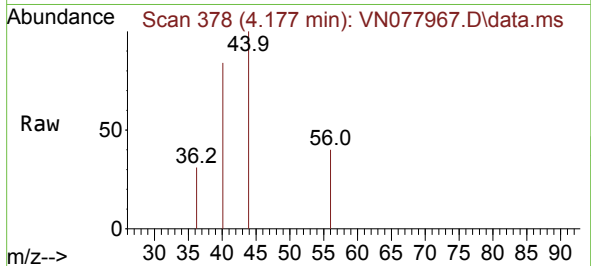




#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

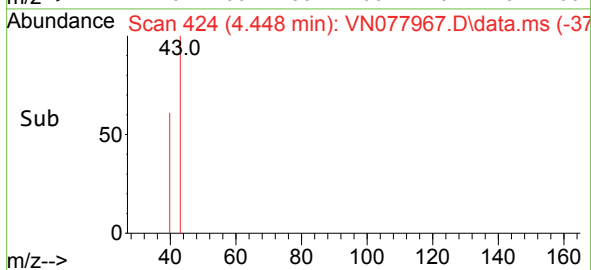
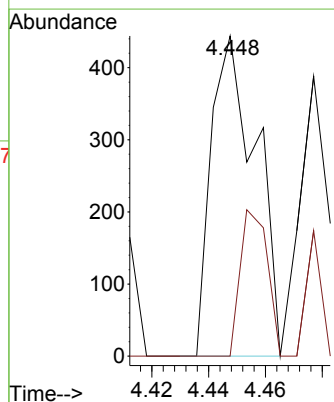
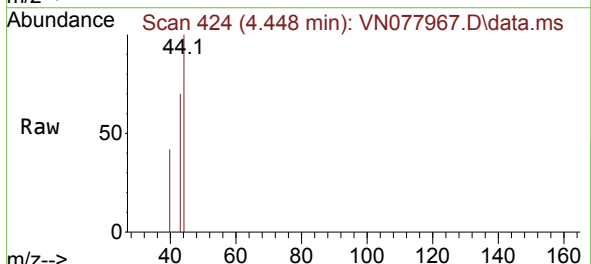
Instrument :
MSVOA_N
ClientSampleId :
DUP-01-20230526

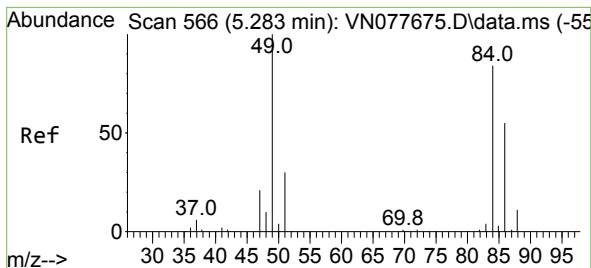
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 77.5 54.5 81.7



#16
Acetone
Concen: 0.272 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN077967.D

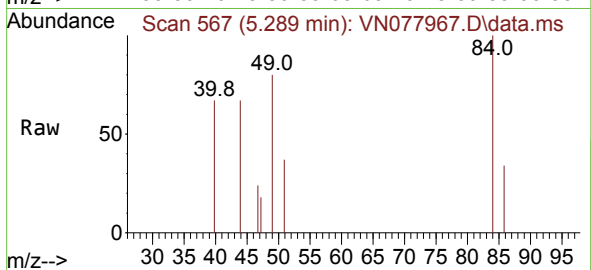
Acq: 30 May 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

DUP-01-20230526



Tgt Ion: 84 Resp: 2267

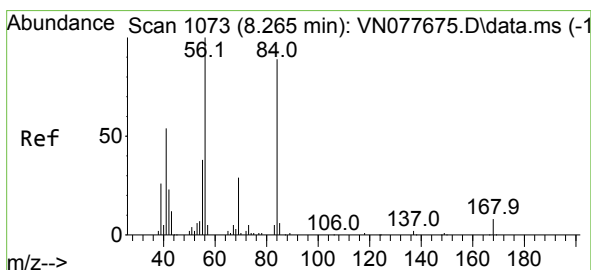
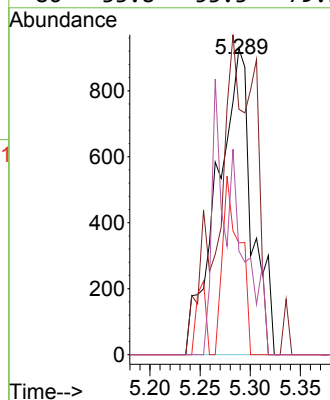
Ion Ratio Lower Upper

84 100

49 80.2 79.7 119.5

51 36.5 25.2 37.8

86 33.8 53.3 79.9#



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN077967.D

Acq: 30 May 2023 14:15

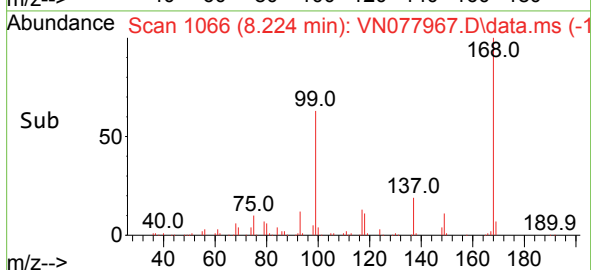
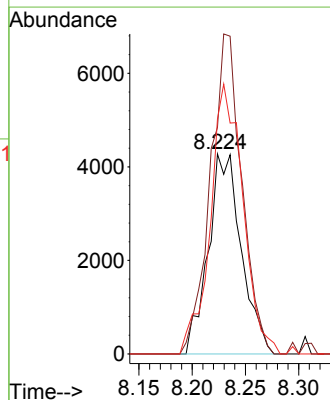
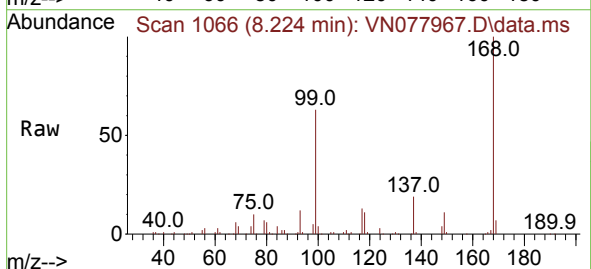
Tgt Ion: 56 Resp: 9215

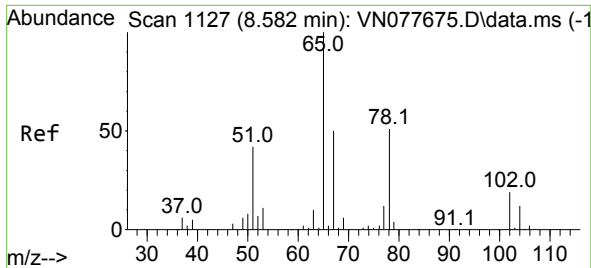
Ion Ratio Lower Upper

56 100

69 113.3 26.8 40.2#

84 117.6 81.8 122.6

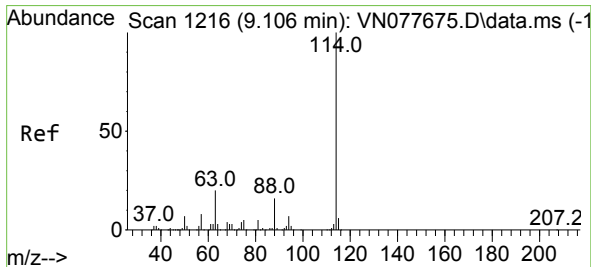
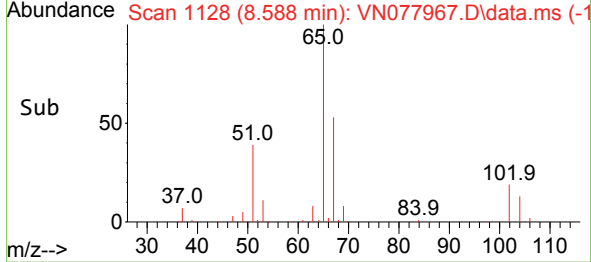
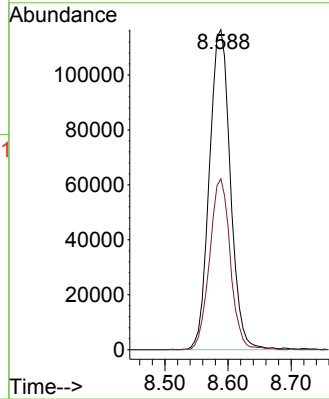
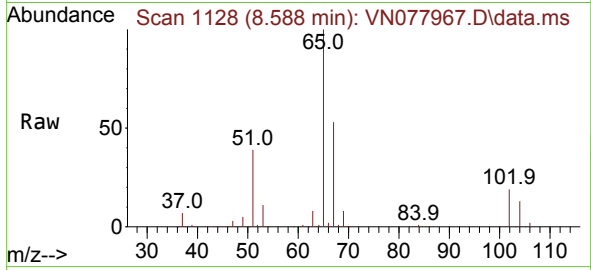




#33
 1,2-Dichloroethane-d4
 Concen: 47.429 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN077967.D
 Acq: 30 May 2023 14:15

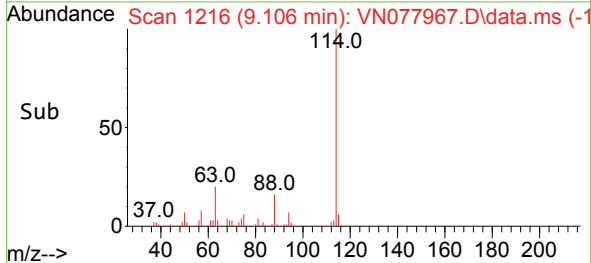
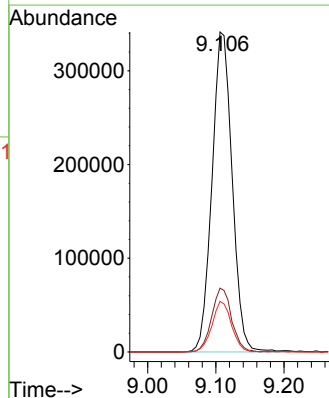
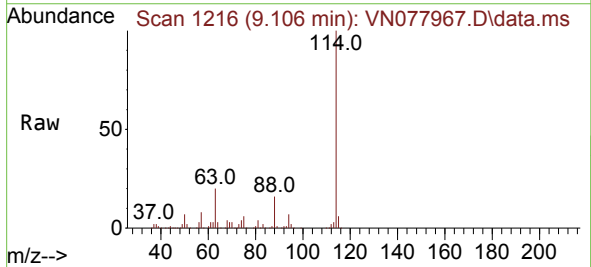
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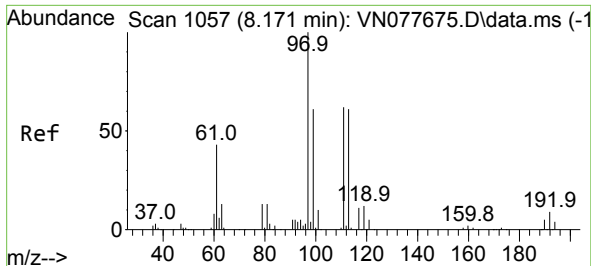
Tgt Ion: 65 Resp: 269024
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN077967.D
 Acq: 30 May 2023 14:15

Tgt Ion: 114 Resp: 702320
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 36.4
 88 15.8 0.0 30.6

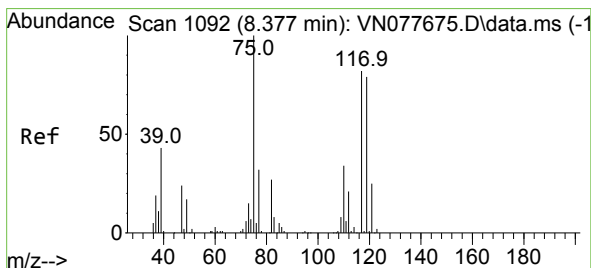
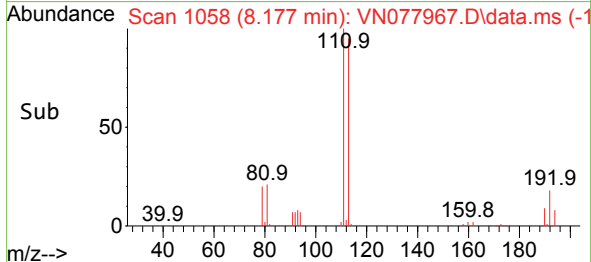
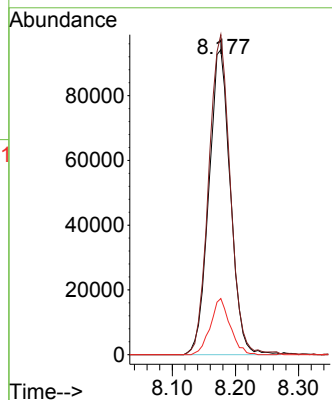
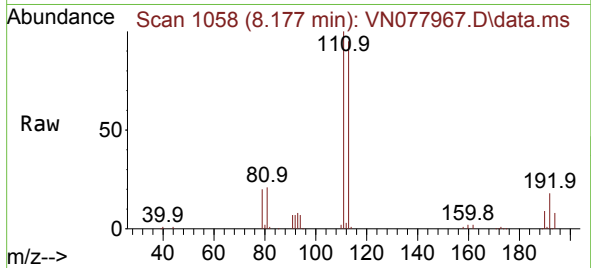




#35
Dibromofluoromethane
Concen: 48.701 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

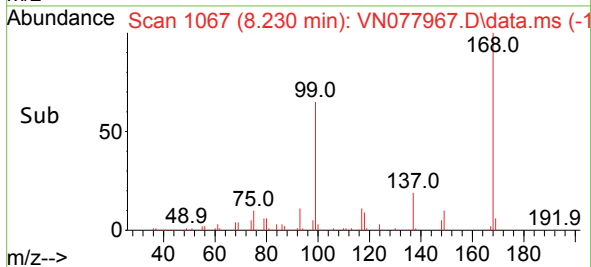
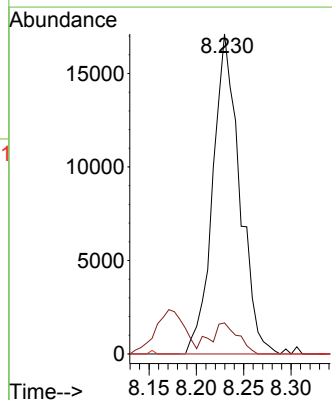
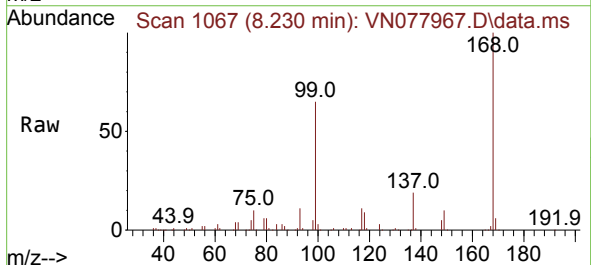
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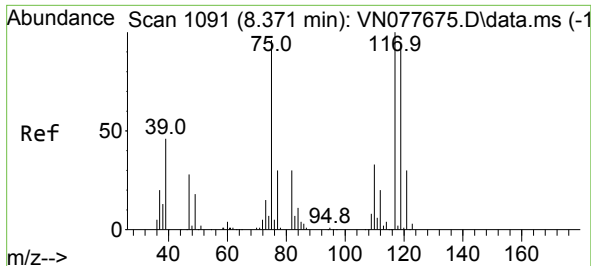
Tgt Ion:113 Resp: 223040
Ion Ratio Lower Upper
113 100
111 105.4 82.6 123.8
192 16.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.065 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

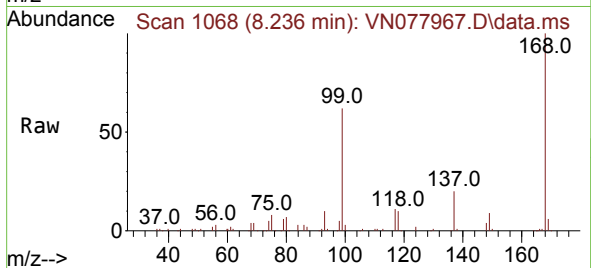
Tgt Ion: 75 Resp: 33930
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#



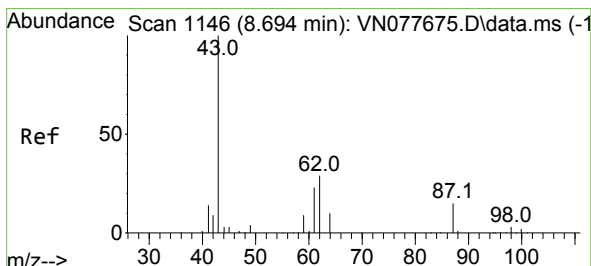
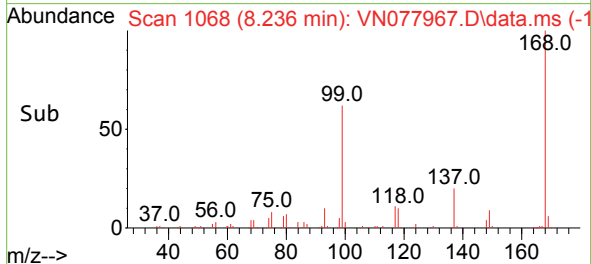
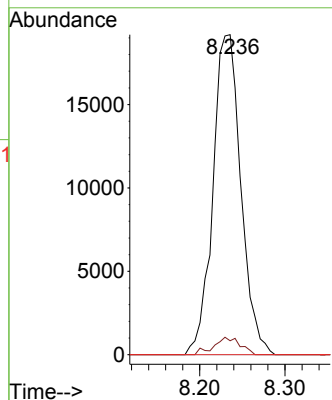


#38
Carbon Tetrachloride
Concen: 6.466 ug/l
RT: 8.236 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
DUP-01-20230526

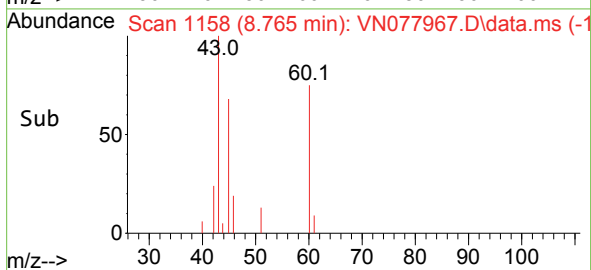
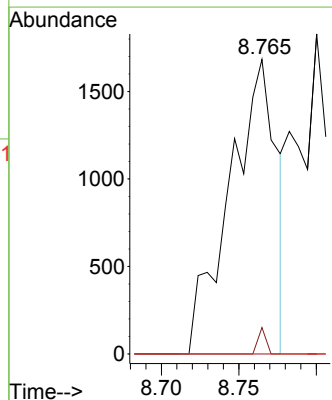
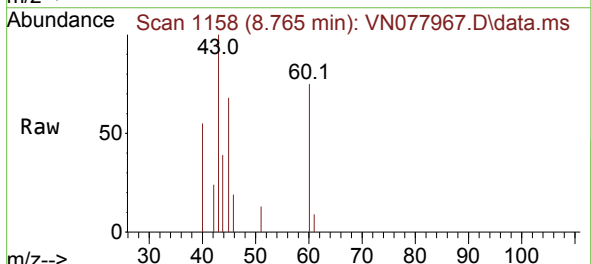


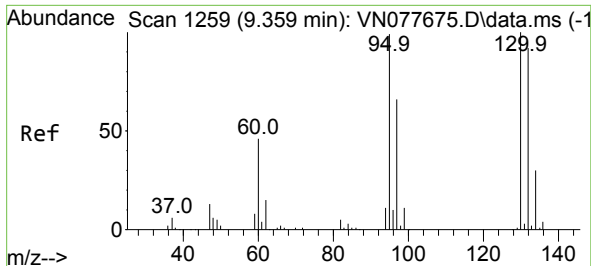
Tgt Ion:117 Resp: 43740
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.360 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Tgt Ion: 43 Resp: 3511
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

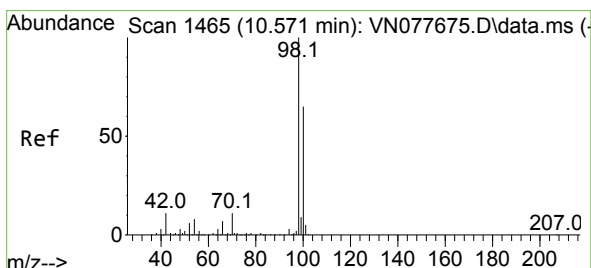
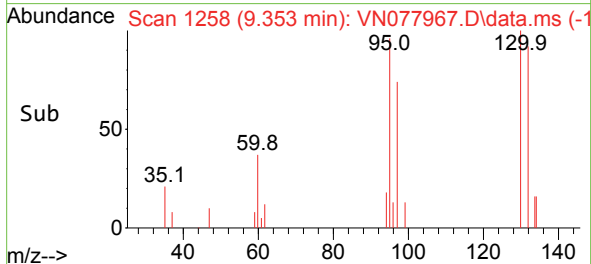
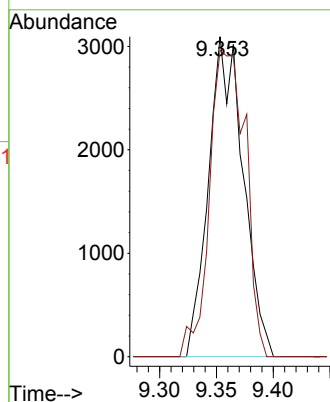
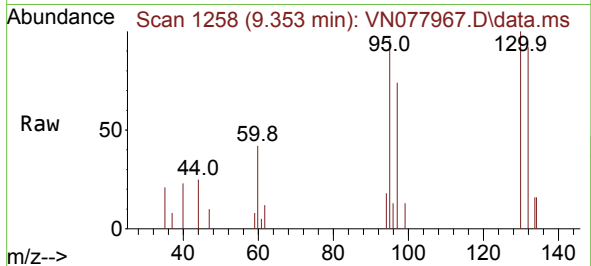




#44
Trichloroethene
Concen: 1.309 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

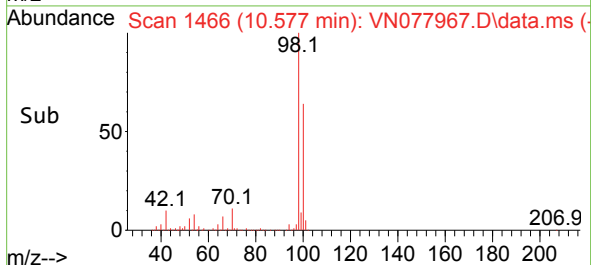
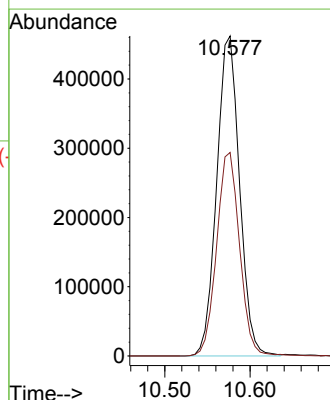
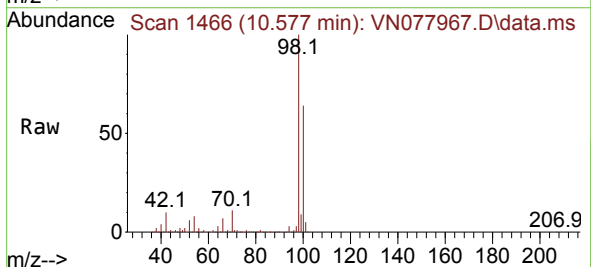
Instrument :
MSVOA_N
ClientSampleId :
DUP-01-20230526

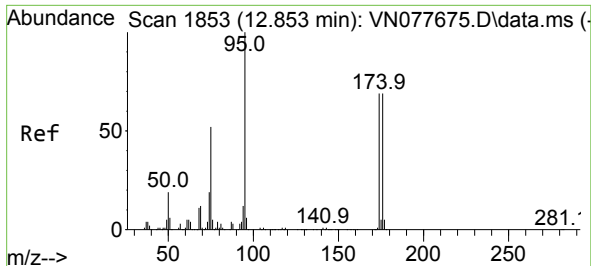
Tgt Ion:130 Resp: 6554
Ion Ratio Lower Upper
130 100
95 95.8 0.0 204.6



#50
Toluene-d8
Concen: 48.813 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Tgt Ion: 98 Resp: 860468
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

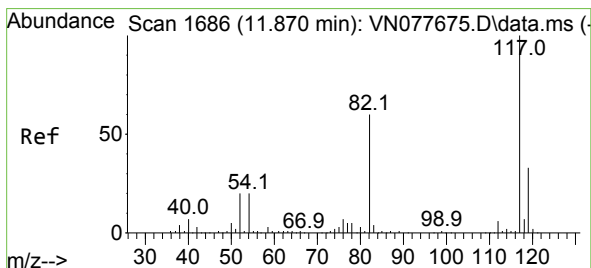
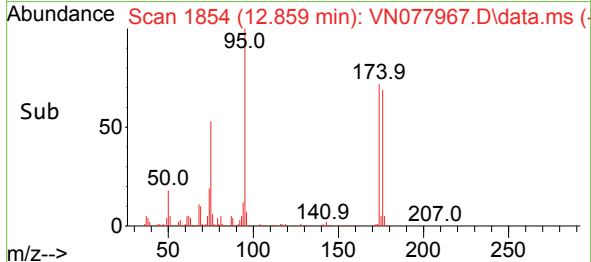
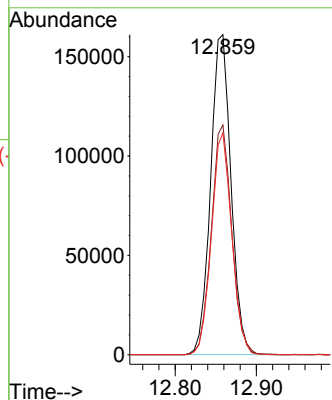
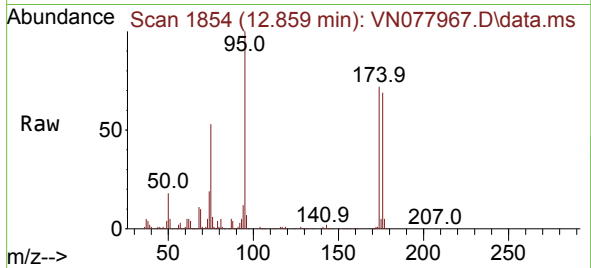




#62
4-Bromofluorobenzene
Concen: 45.165 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

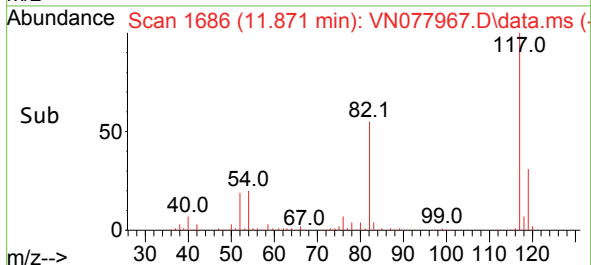
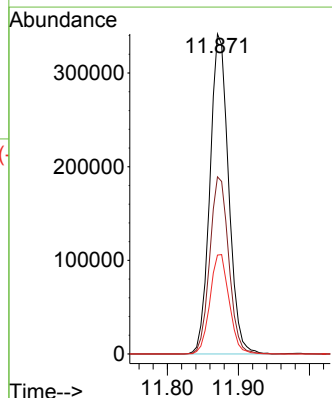
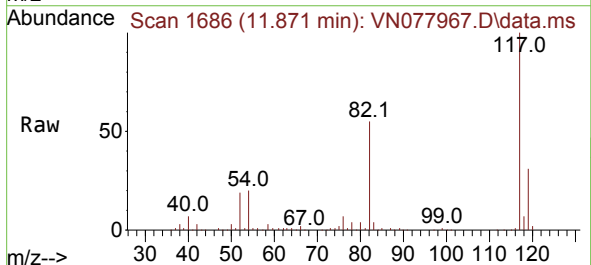
Instrument :
MSVOA_N
ClientSampleId :
DUP-01-20230526

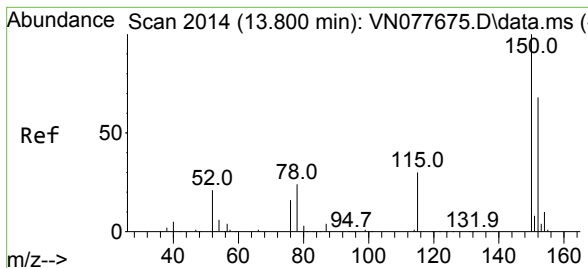
Tgt Ion: 95 Resp: 281190
Ion Ratio Lower Upper
95 100
174 71.9 0.0 143.8
176 69.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Tgt Ion: 117 Resp: 622577
Ion Ratio Lower Upper
117 100
82 55.4 44.0 66.0
119 30.9 25.6 38.4

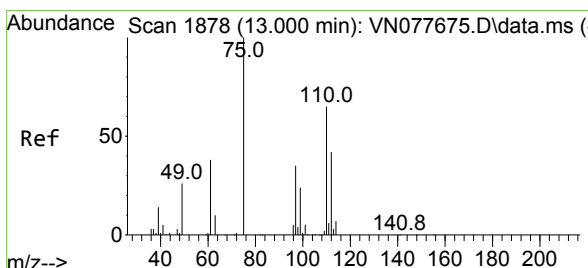
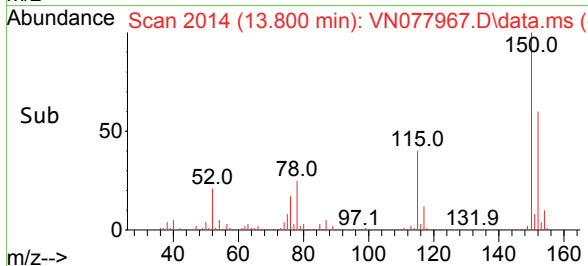
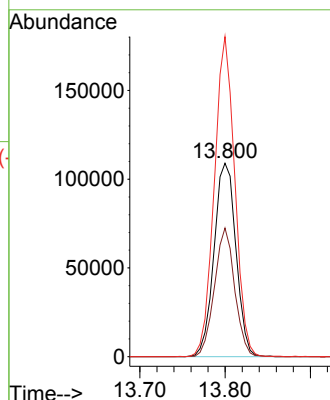
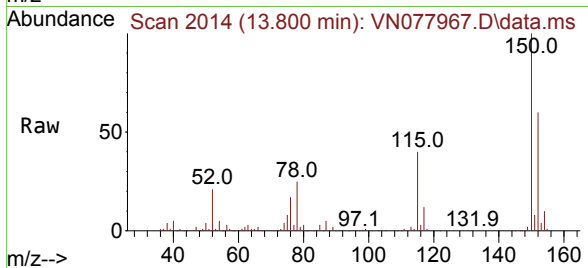




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077967.D
 Acq: 30 May 2023 14:15

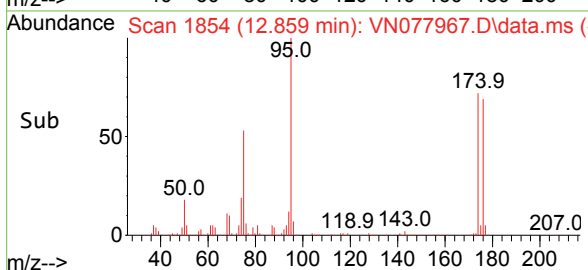
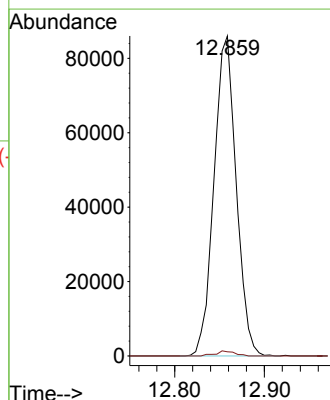
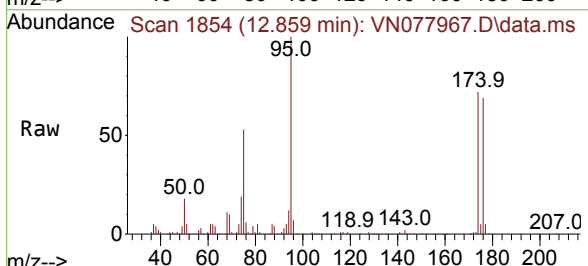
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01-20230526

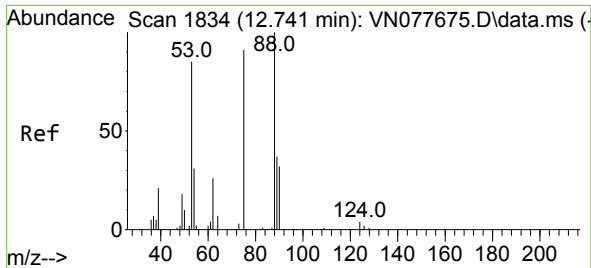
Tgt Ion:152 Resp: 194465
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 154.8 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.361 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077967.D
 Acq: 30 May 2023 14:15

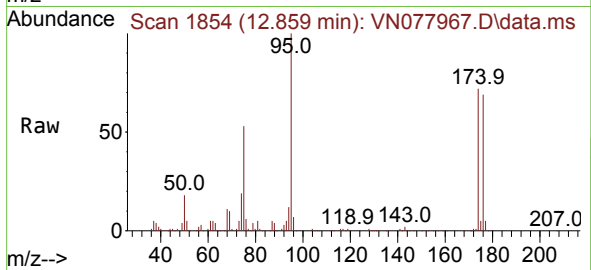
Tgt Ion: 75 Resp: 147861
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 97.049 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077967.D
Acq: 30 May 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
DUP-01-20230526



Tgt Ion: 75 Resp: 147861
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

