

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077965.D
 Acq On : 30 May 2023 13:27
 Operator : JC\MD
 Sample : 02973-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-04-20230526

Quant Time: May 31 02:06:41 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)

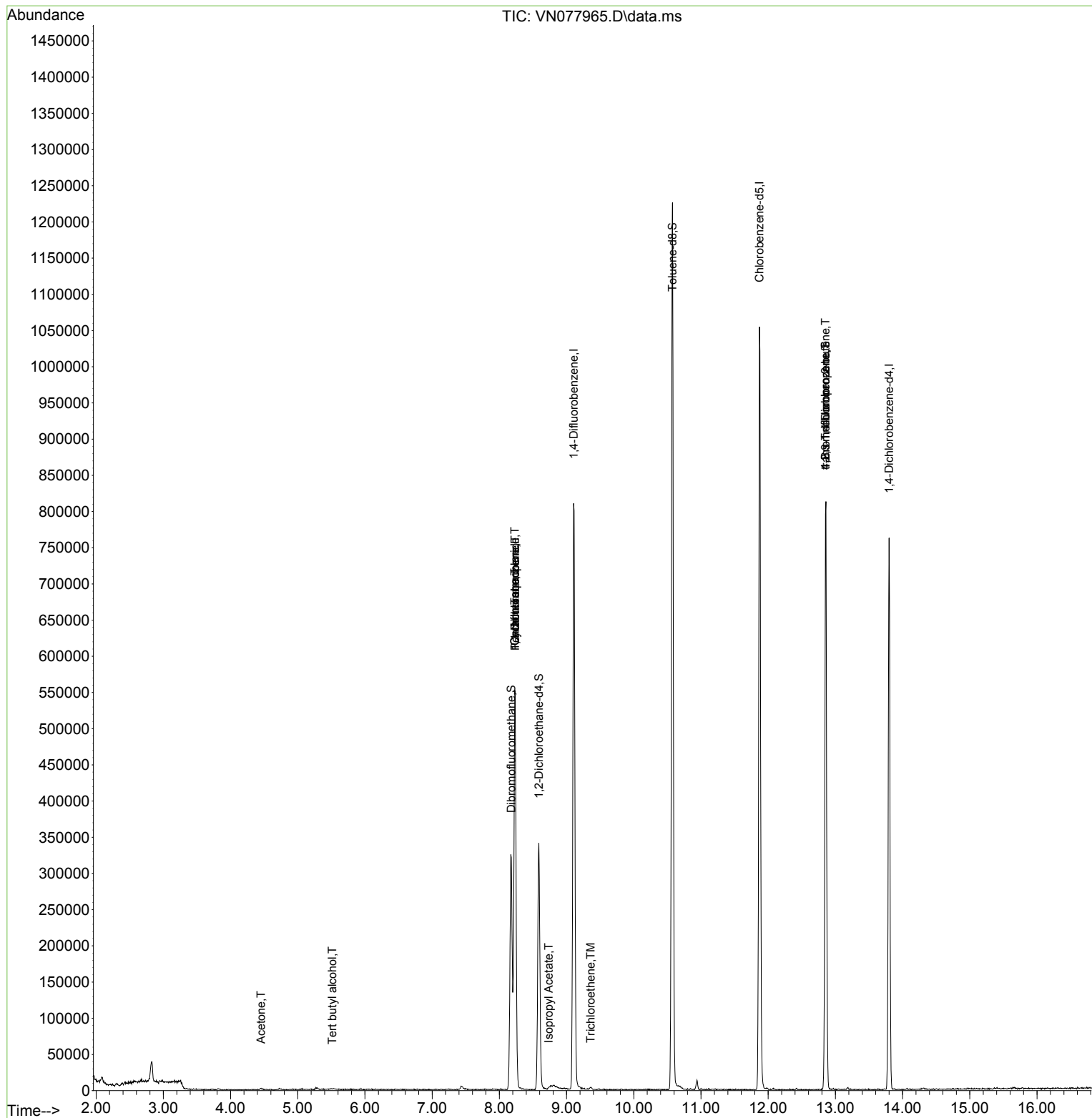
Internal Standards						
1) Pentafluorobenzene	8.235	168	389818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	720984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	643597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	204066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	276836	47.463	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.920%		
35) Dibromofluoromethane	8.177	113	233800	49.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.460%		
50) Toluene-d8	10.576	98	891799	49.281	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.560%		
62) 4-Bromofluorobenzene	12.853	95	291302	45.578	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1478	Below Cal	#	82
11) Tert butyl alcohol	5.512	59	432	0.537	ug/l #	72
13) Acrolein	4.194	56	54	Below Cal	#	16
16) Acetone	4.453	43	2485	1.354	ug/l	96
20) Methylene Chloride	5.289	84	1704	Below Cal	#	81
31) Cyclohexane	8.229	56	9732	1.228	ug/l #	47
36) 1,1-Dichloropropene	8.235	75	33973	4.940	ug/l #	48
38) Carbon Tetrachloride	8.229	117	42374	6.102	ug/l #	16
43) Isopropyl Acetate	8.735	43	2076	0.207	ug/l #	49
44) Trichloroethene	9.359	130	1257	0.245	ug/l	53
76) 1,2,3-Trichloropropane	12.853	75	156433	30.610	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	156433	97.845	ug/l #	15

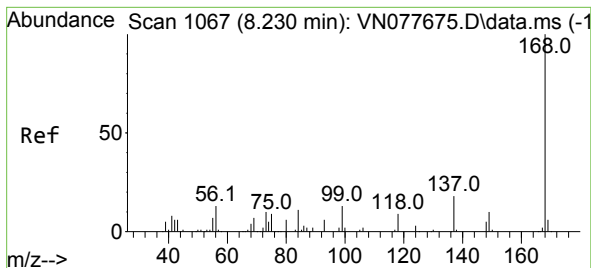
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN077965.D

Acq: 30 May 2023 13:27

Instrument :

MSVOA_N

ClientSampleId :

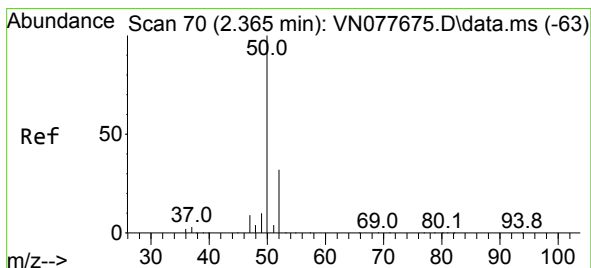
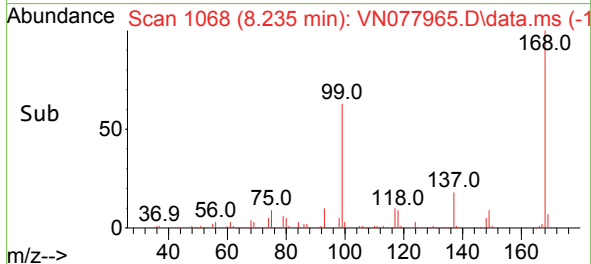
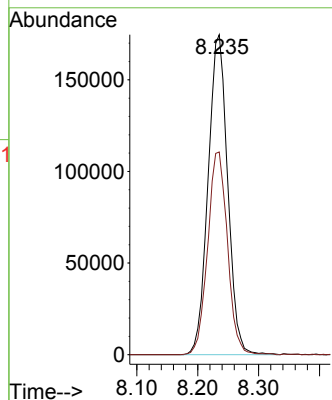
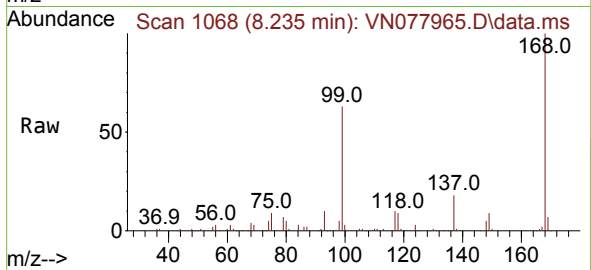
TB-04-20230526

Tgt Ion:168 Resp: 389818

Ion Ratio Lower Upper

168 100

99 63.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077965.D

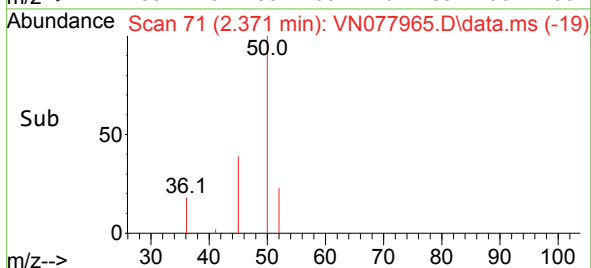
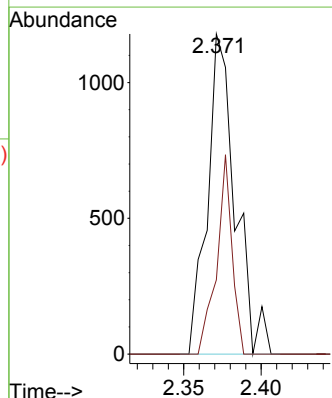
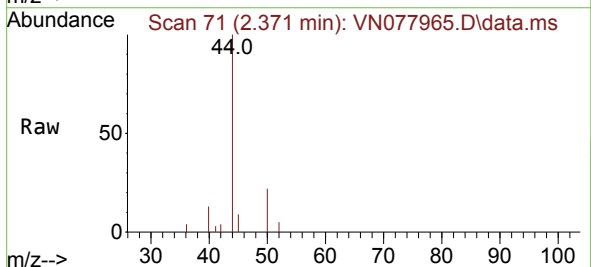
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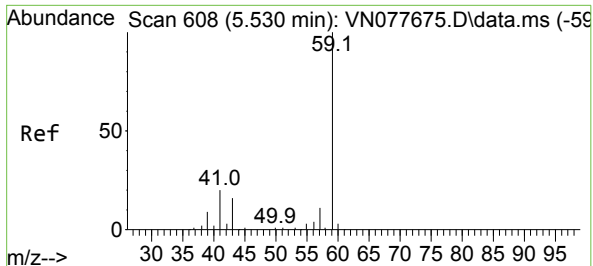
Tgt Ion: 50 Resp: 1478

Ion Ratio Lower Upper

50 100

52 23.2 26.5 39.7#

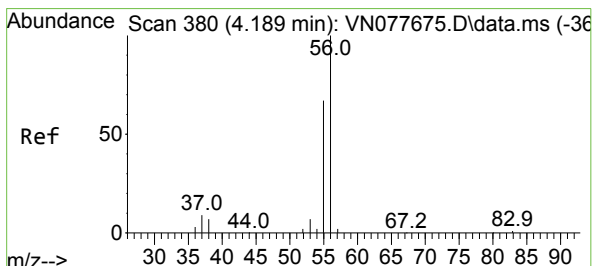
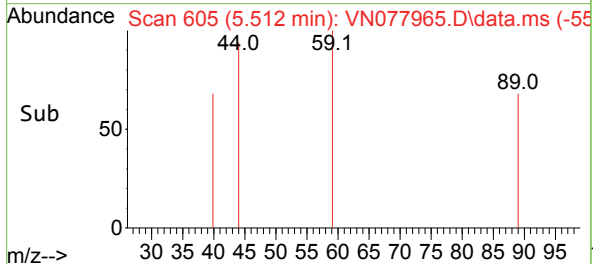
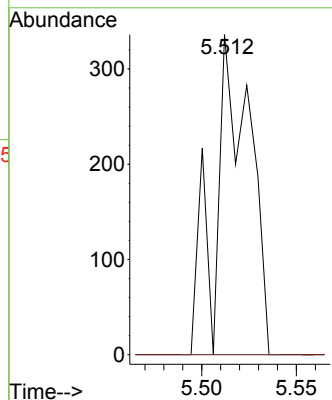
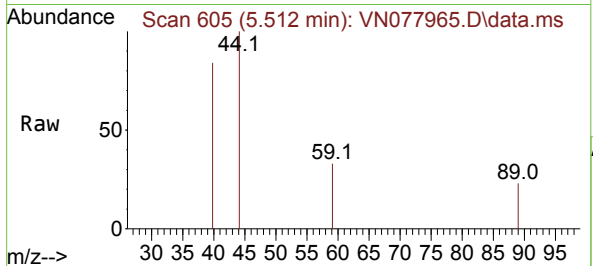




#11
Tert butyl alcohol
Concen: 0.537 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

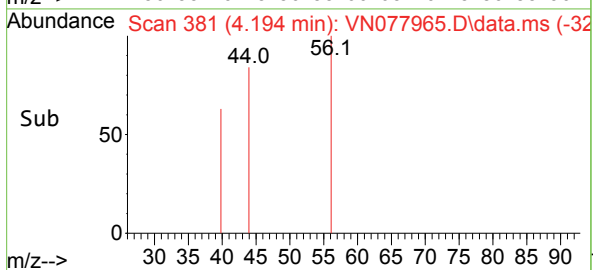
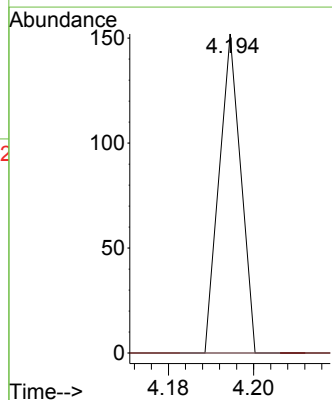
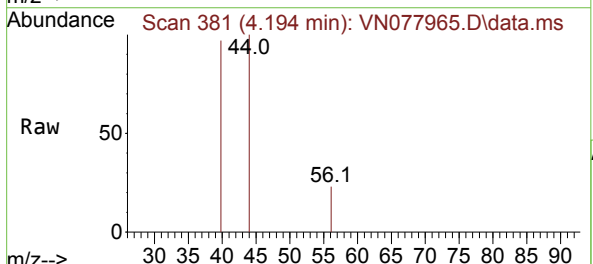
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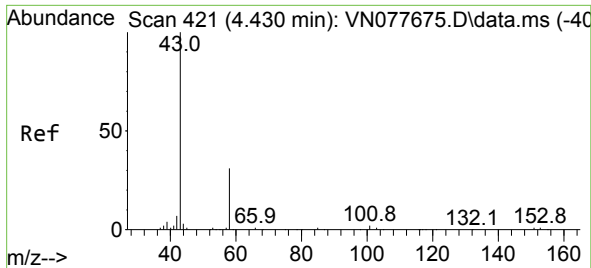
Tgt Ion: 59 Resp: 432
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

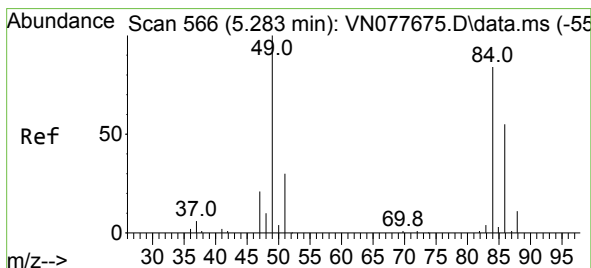
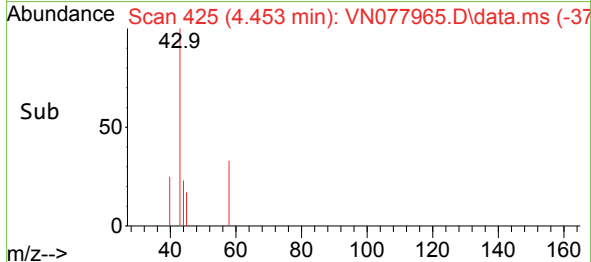
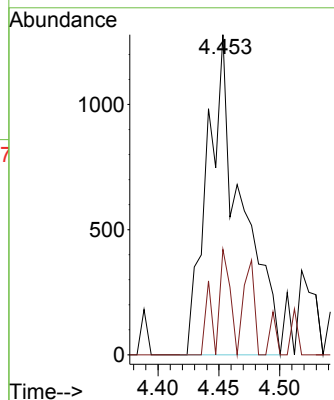
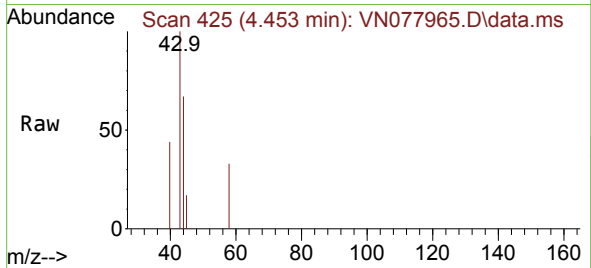




#16
Acetone
Concen: 1.354 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

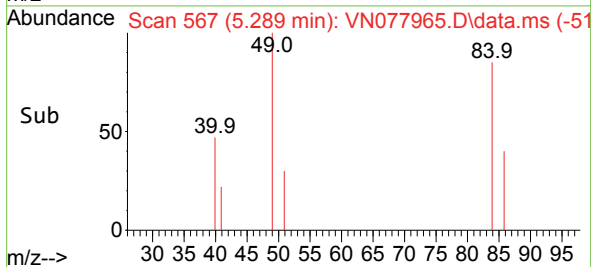
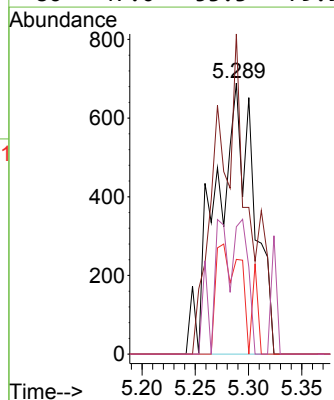
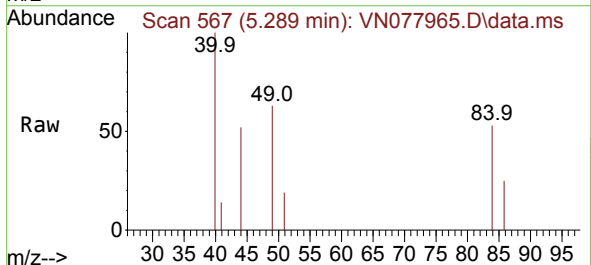
Instrument :
MSVOA_N
ClientSampleId :
TB-04-20230526

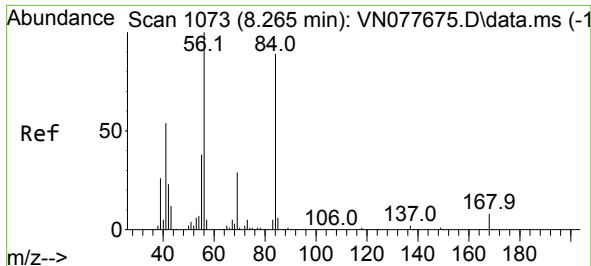
Tgt Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
58 32.9 28.0 42.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.005 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion: 84 Resp: 1704
Ion Ratio Lower Upper
84 100
49 118.1 79.7 119.5
51 35.0 25.2 37.8
86 47.0 53.3 79.9#

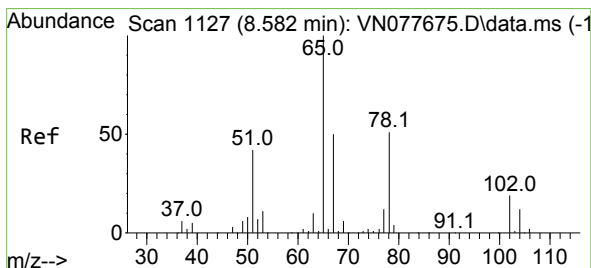
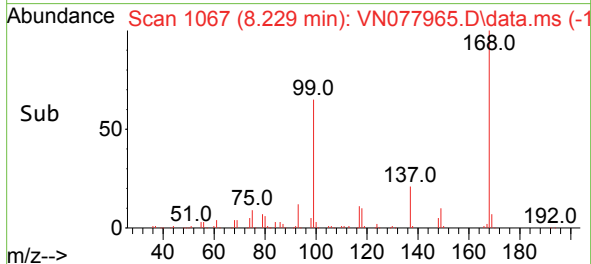
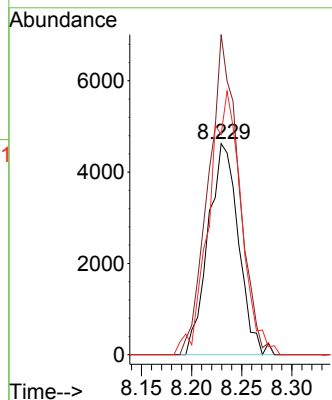
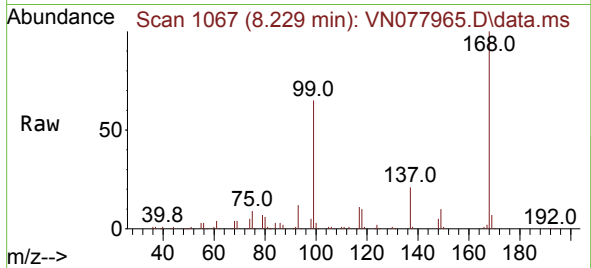




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

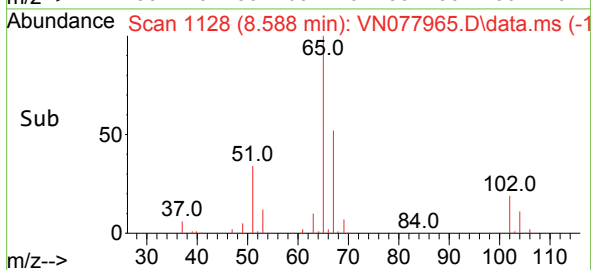
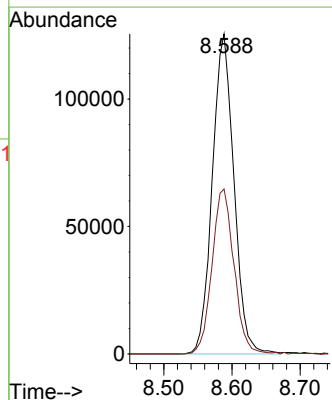
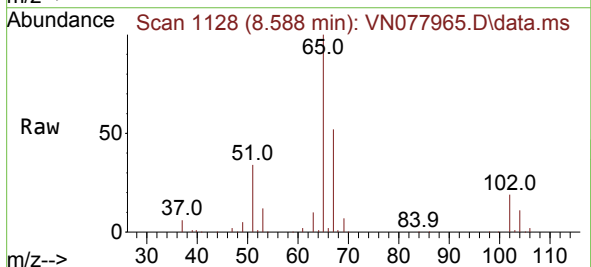
Instrument :
MSVOA_N
ClientSampleId :
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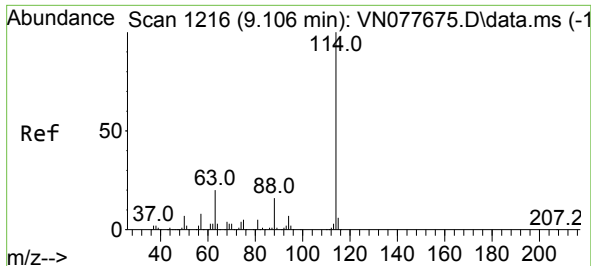
Tgt Ion: 56 Resp: 9732
Ion Ratio Lower Upper
56 100
69 151.6 26.8 40.2#
84 104.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.463 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion: 65 Resp: 276836
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6

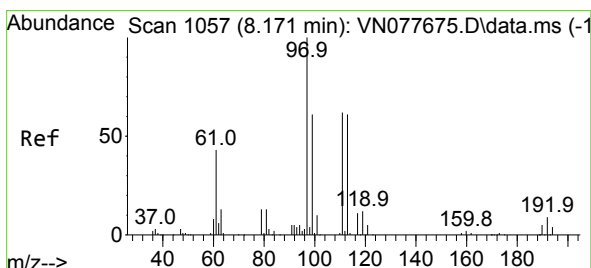
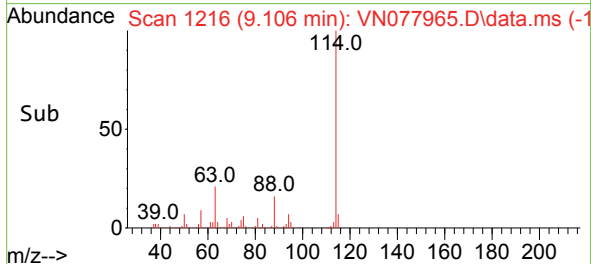
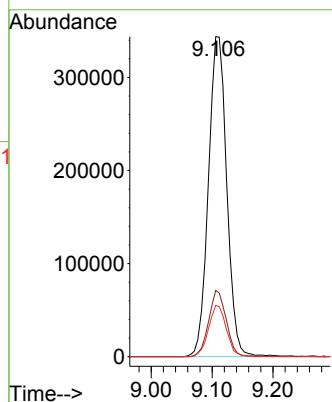
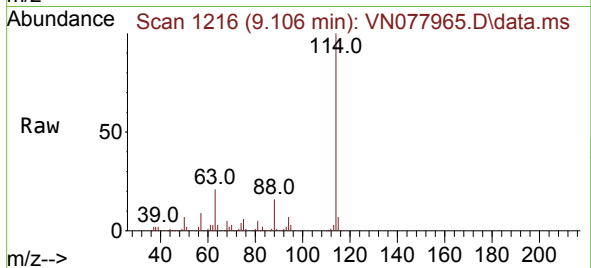




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

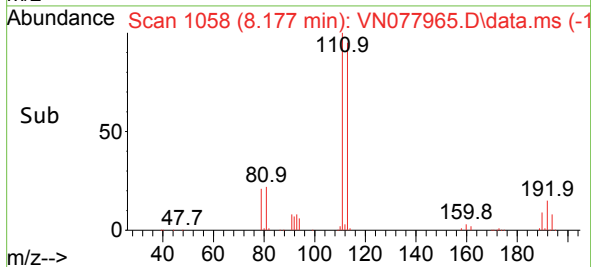
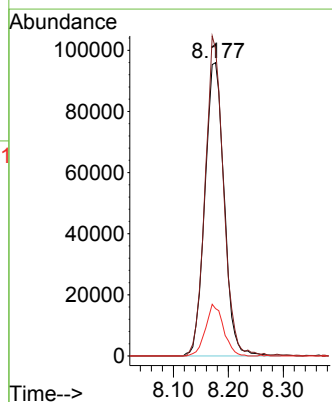
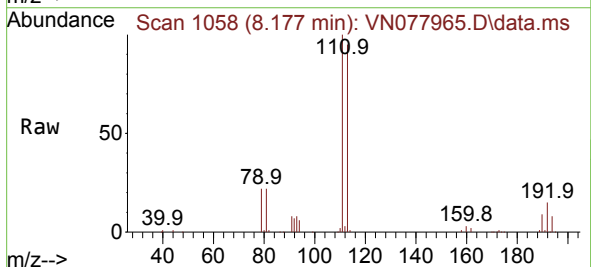
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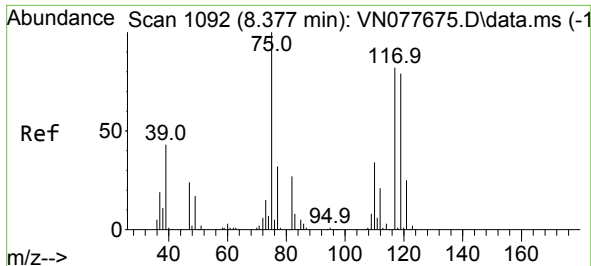
Tgt Ion:114 Resp: 720984
Ion Ratio Lower Upper
114 100
63 20.7 0.0 36.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.729 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion:113 Resp: 233800
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 16.5 12.7 19.1

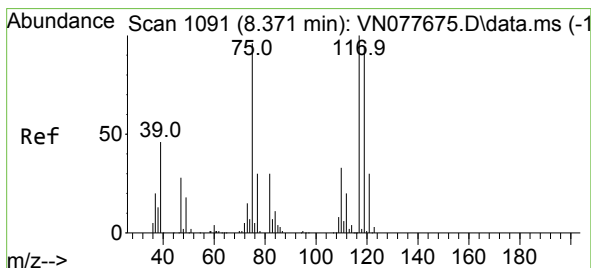
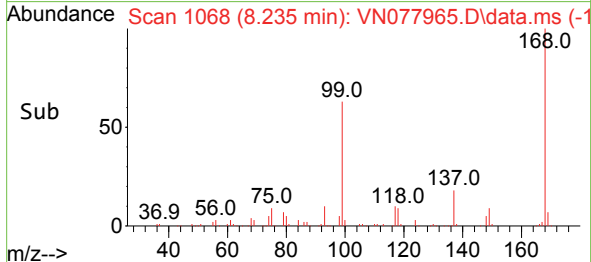
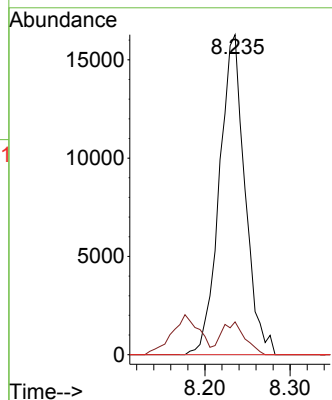
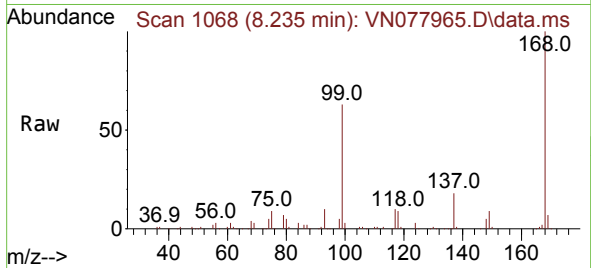




#36
1,1-Dichloropropene
Concen: 4.940 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

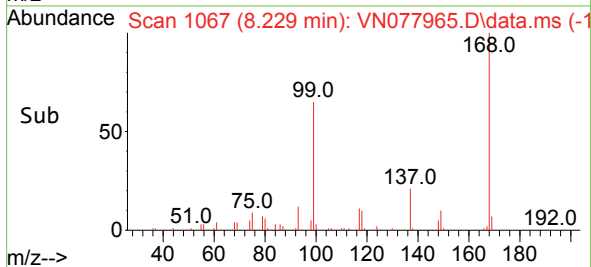
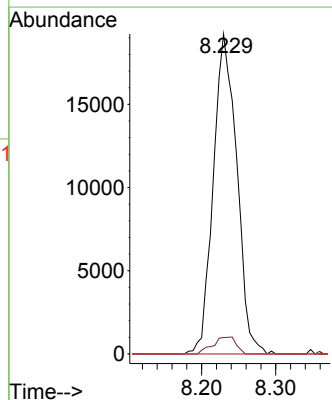
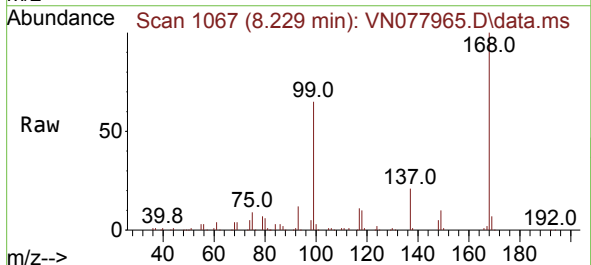
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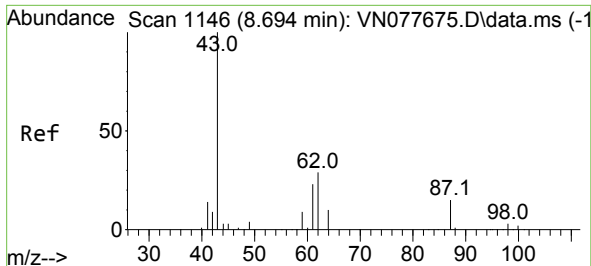
Tgt Ion: 75 Resp: 33973
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.102 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion: 117 Resp: 42374
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 23.3 34.9#

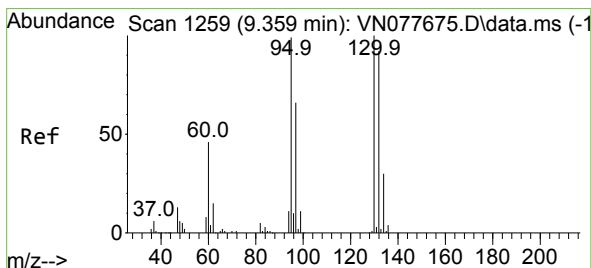
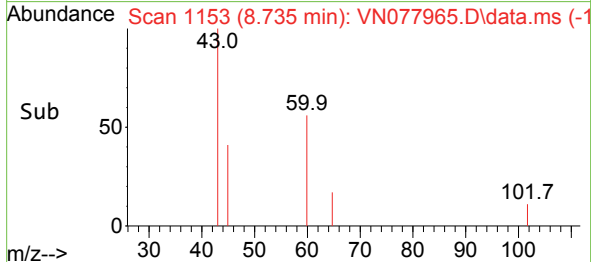
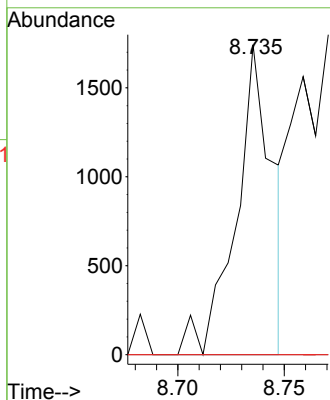
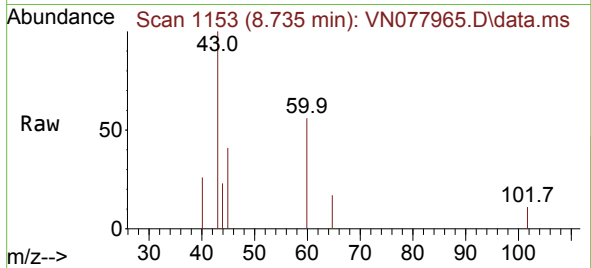




#43
Isopropyl Acetate
Concen: 0.207 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

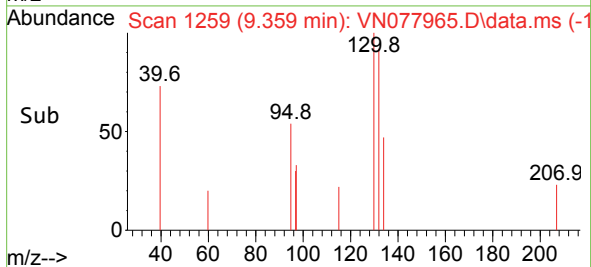
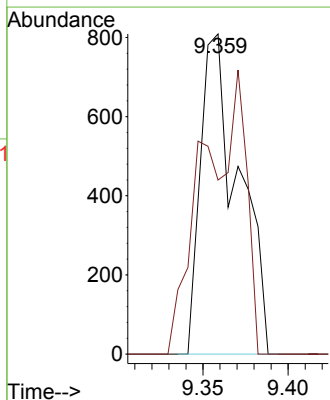
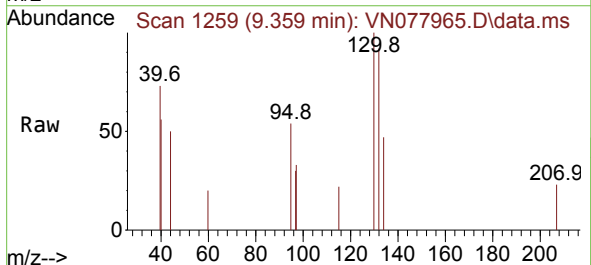
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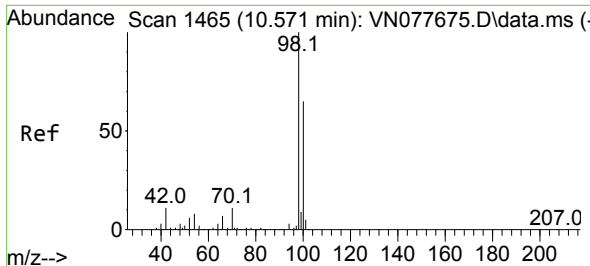
Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.245 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion: 130 Resp: 1257
Ion Ratio Lower Upper
130 100
95 54.4 0.0 204.6

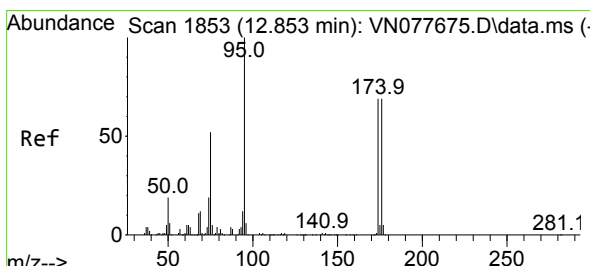
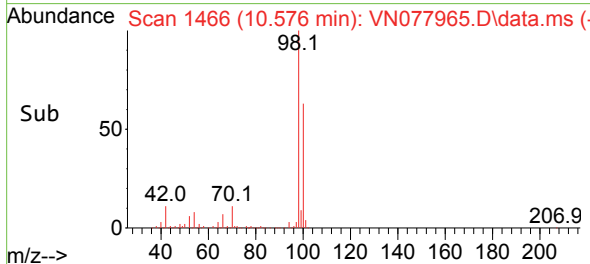
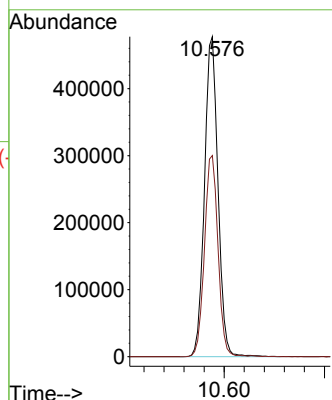
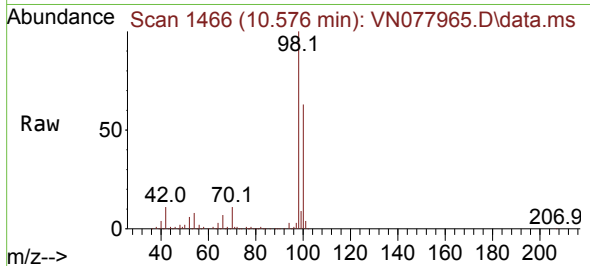




#50
Toluene-d8
Concen: 49.281 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

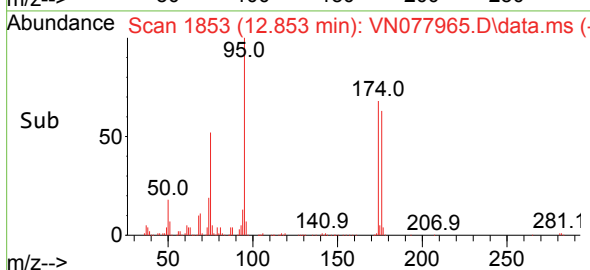
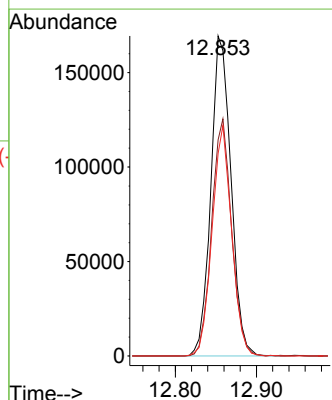
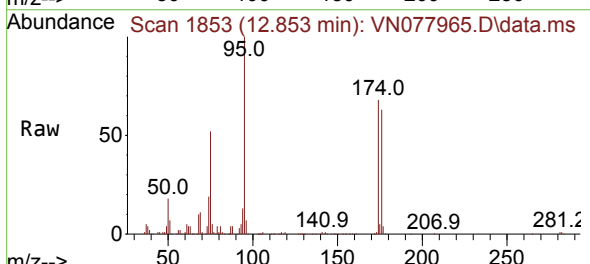
Instrument :
MSVOA_N
ClientSampleId :
TB-04-20230526

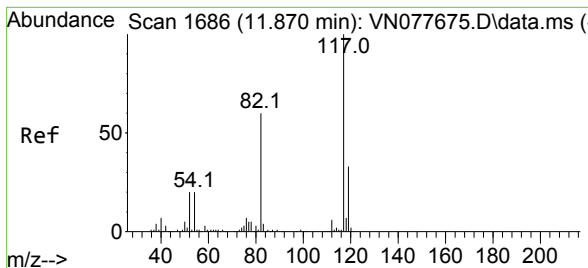
Tgt Ion: 98 Resp: 891799
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.578 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion: 95 Resp: 291302
Ion Ratio Lower Upper
95 100
174 73.3 0.0 143.8
176 70.0 0.0 135.8

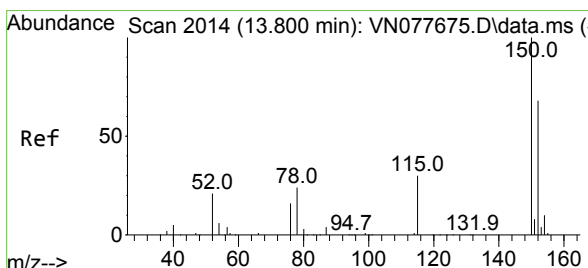
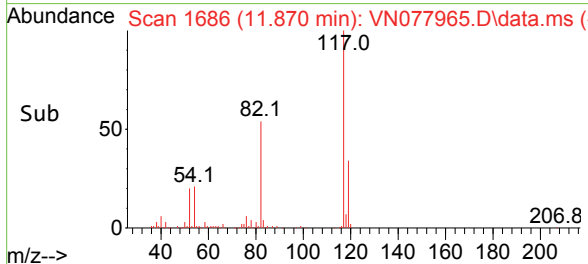
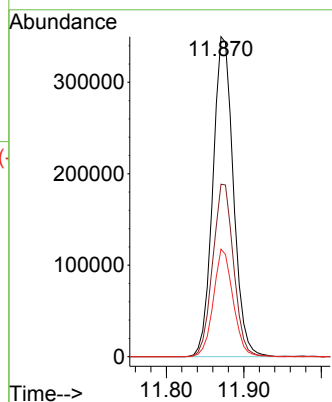
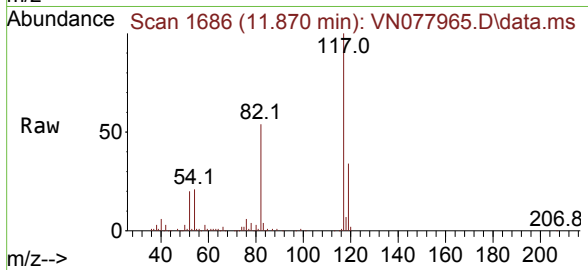




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

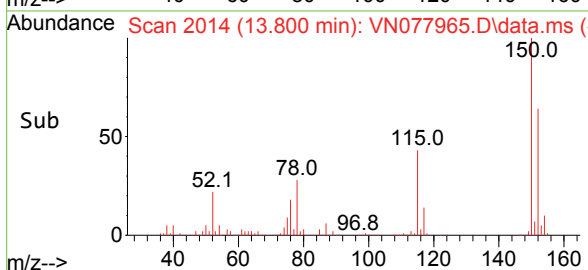
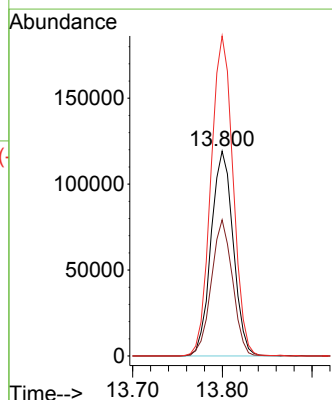
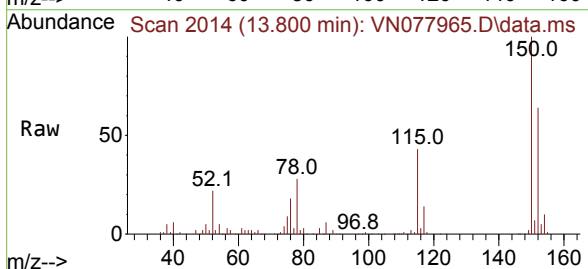
Instrument :
MSVOA_N
ClientSampleId :
TB-04-20230526

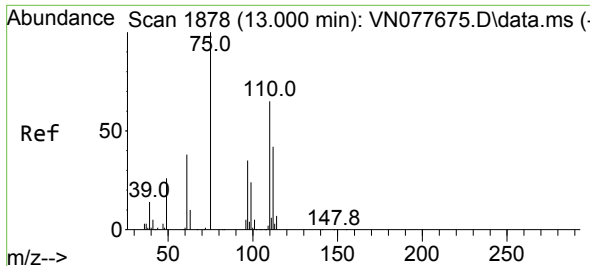
Tgt Ion:117 Resp: 643597
Ion Ratio Lower Upper
117 100
82 53.9 44.0 66.0
119 33.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion:152 Resp: 204066
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 156.6 0.0 355.8

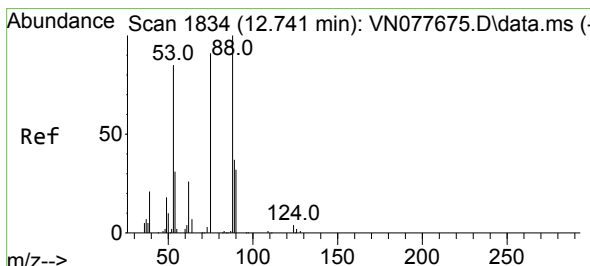
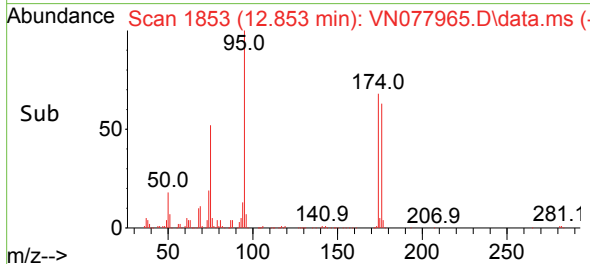
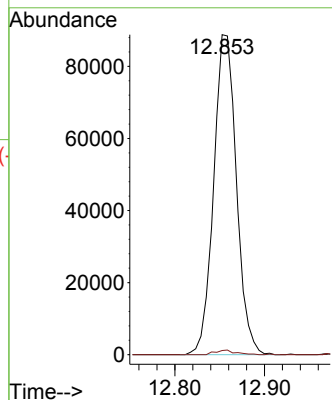
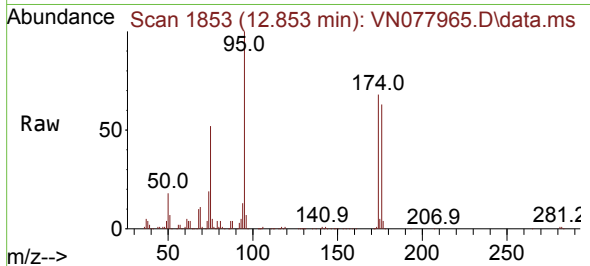




#76
1,2,3-Trichloropropane
Concen: 30.610 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Instrument :
MSVOA_N
ClientSampleId :
TB-04-20230526

Tgt Ion: 75 Resp: 156433
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.845 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077965.D
Acq: 30 May 2023 13:27

Tgt Ion: 75 Resp: 156433
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

