

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077974.D
 Acq On : 30 May 2023 17:03
 Operator : JC\MD
 Sample : 02911-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20230522

Quant Time: May 31 02:09:44 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)

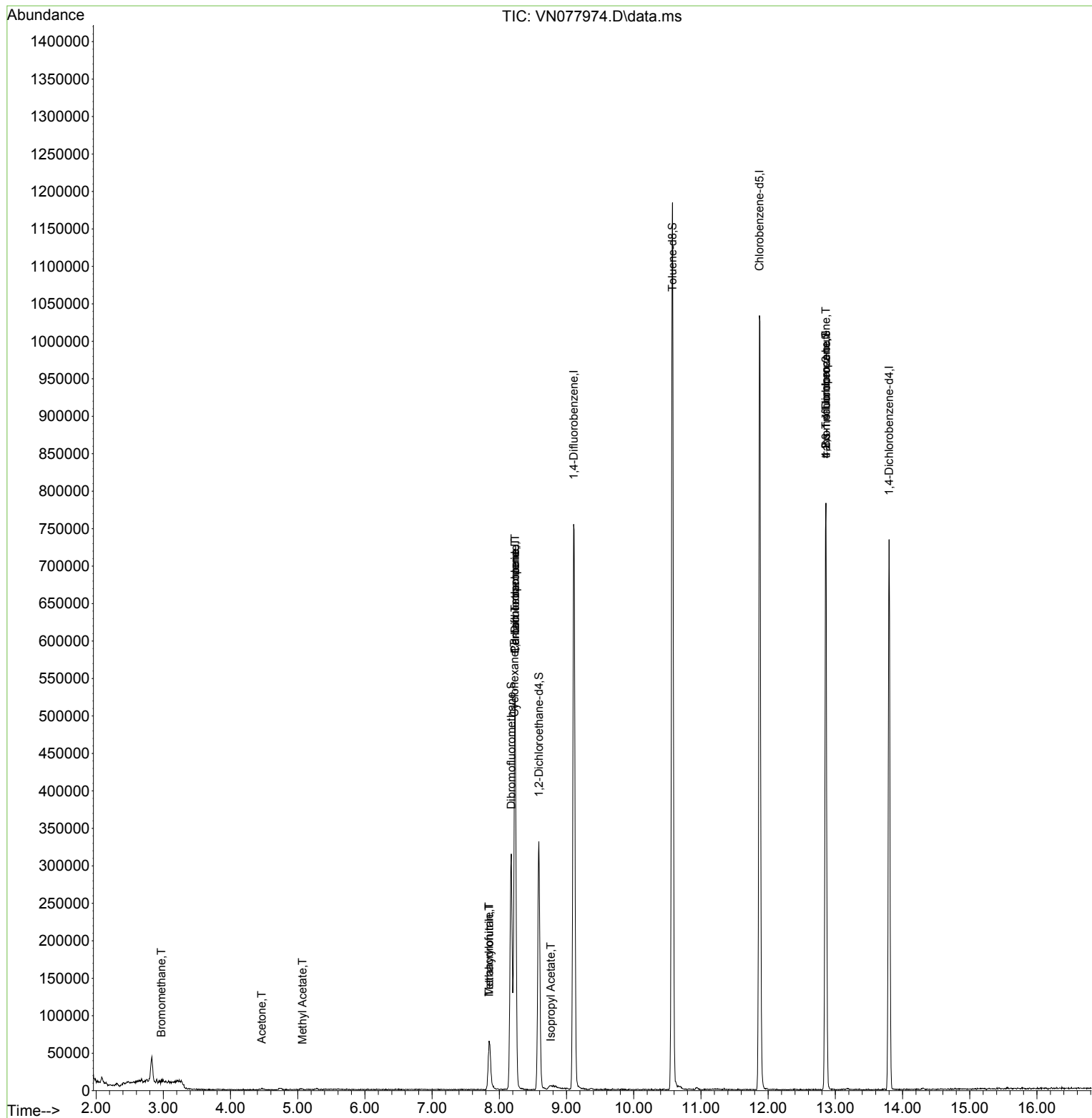
Internal Standards						
1) Pentafluorobenzene	8.236	168	368530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	695211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	621546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	266381	48.309	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.620%		
35) Dibromofluoromethane	8.177	113	225836	49.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.640%		
50) Toluene-d8	10.577	98	862802	49.446	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.900%		
62) 4-Bromofluorobenzene	12.859	95	278310	45.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.320%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1208	Below Cal	#	1
5) Bromomethane	2.971	94	1602	0.410	ug/l #	49
13) Acrolein	4.195	56	191	Below Cal	#	1
16) Acetone	4.465	43	2597	1.497	ug/l #	40
18) Methyl Acetate	5.071	43	1844	0.253	ug/l #	42
20) Methylene Chloride	5.295	84	508	Below Cal	#	85
29) Tetrahydrofuran	7.847	42	47878	26.944	ug/l	89
31) Cyclohexane	8.224	56	9670	1.290	ug/l #	45
36) 1,1-Dichloropropene	8.236	75	32717	4.934	ug/l #	48
38) Carbon Tetrachloride	8.236	117	41127	6.142	ug/l #	15
41) Methacrylonitrile	7.847	41	28488	9.051	ug/l #	37
43) Isopropyl Acetate	8.765	43	4917	0.509	ug/l #	49
76) 1,2,3-Trichloropropane	12.859	75	151348	31.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	151348	99.140	ug/l #	15

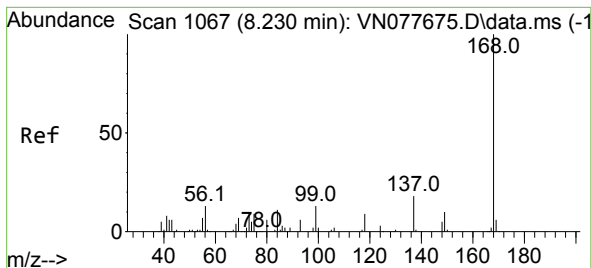
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN077974.D

Acq: 30 May 2023 17:03

Instrument :

MSVOA_N

ClientSampleId :

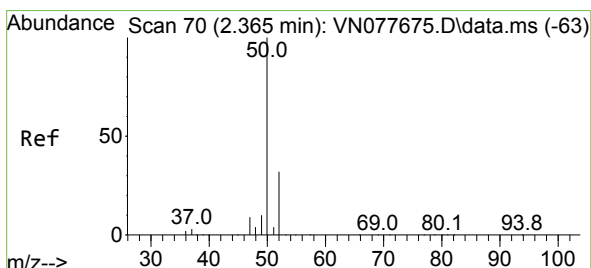
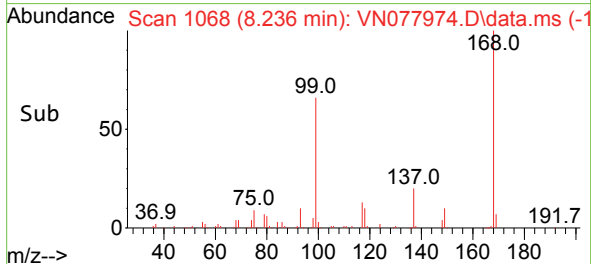
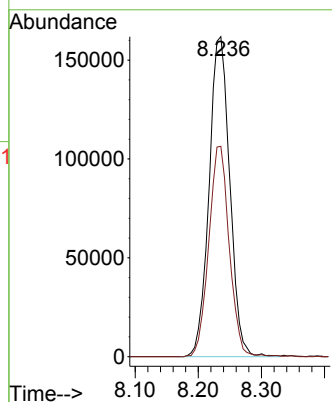
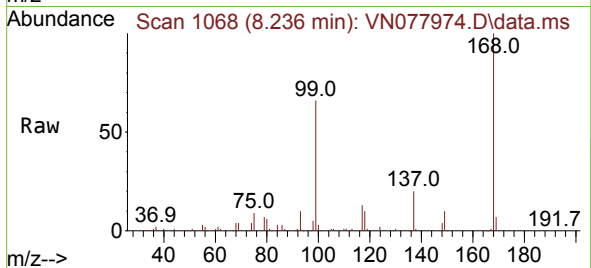
DUP04-20230522

Tgt Ion:168 Resp: 368530

Ion Ratio Lower Upper

168 100

99 65.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077974.D

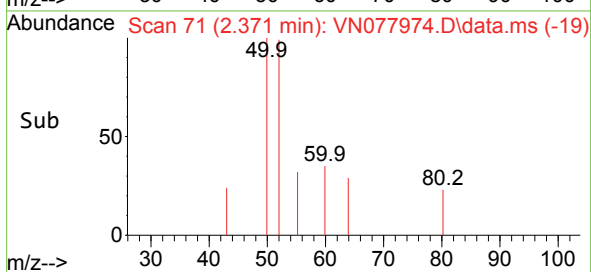
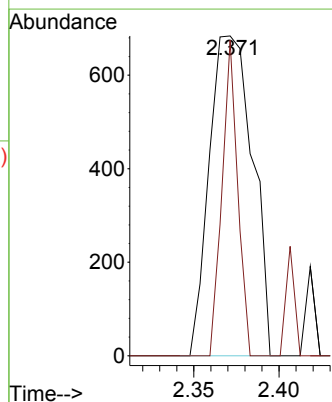
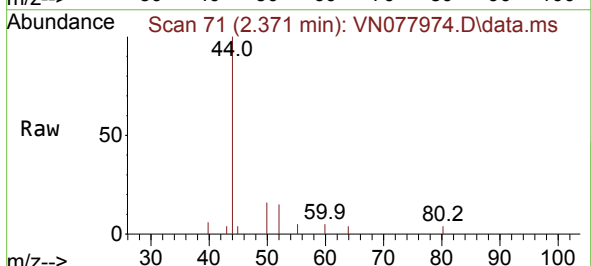
Acq: 30 May 2023 17:03

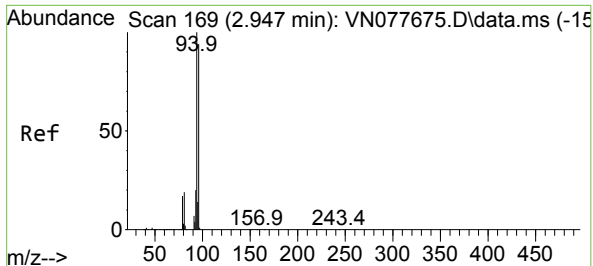
Tgt Ion: 50 Resp: 1208

Ion Ratio Lower Upper

50 100

52 98.7 26.5 39.7#

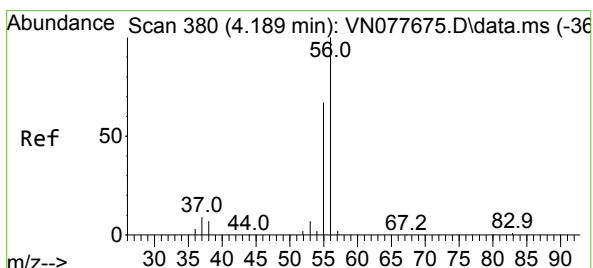
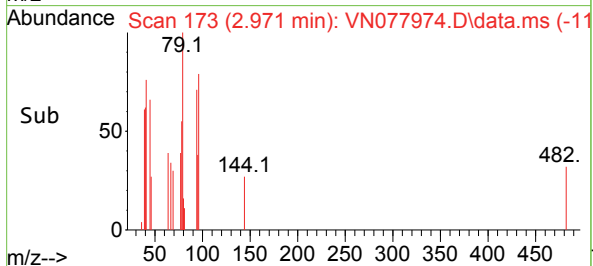
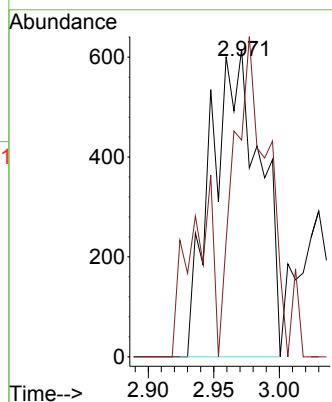
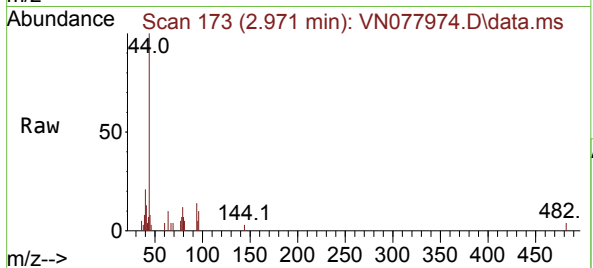




#5
Bromomethane
Concen: 0.410 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

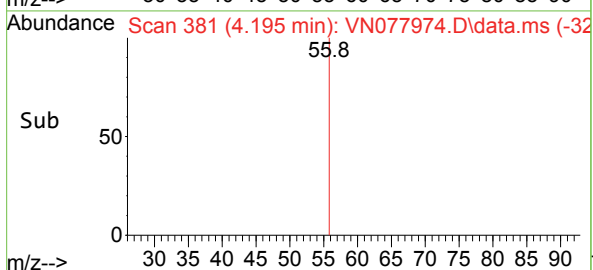
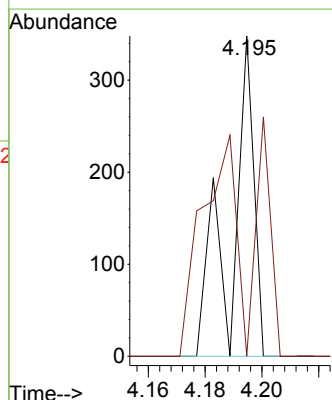
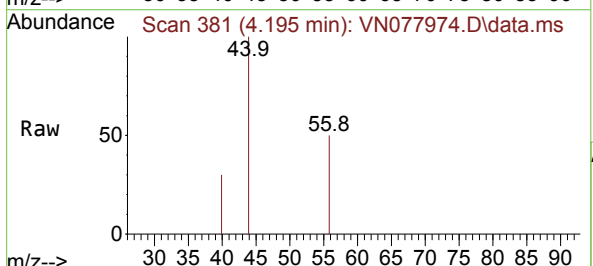
Instrument :
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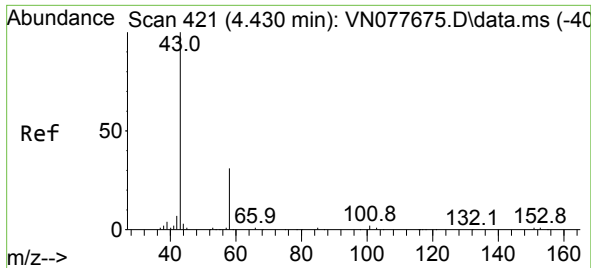
Tgt Ion: 94 Resp: 1602
Ion Ratio Lower Upper
94 100
96 42.9 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 152.9 54.5 81.7#

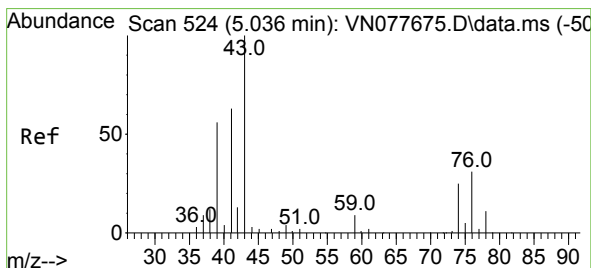
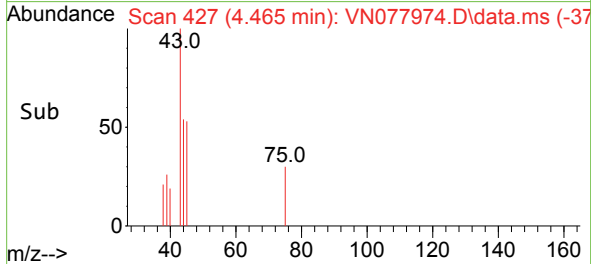
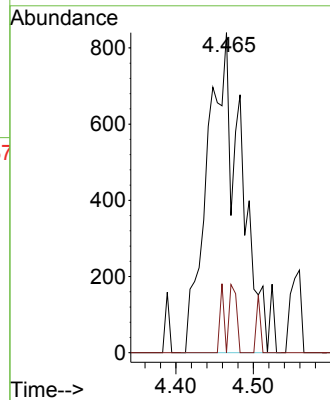
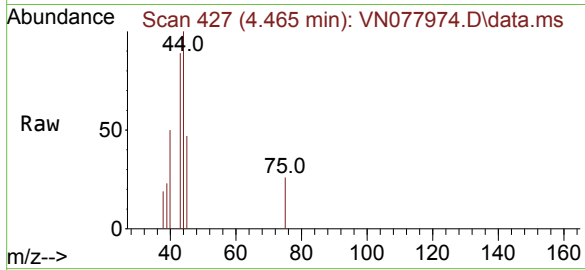




#16
Acetone
Concen: 1.497 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

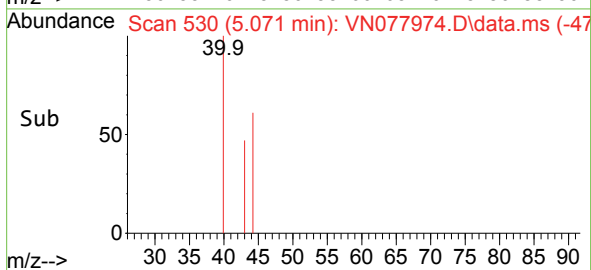
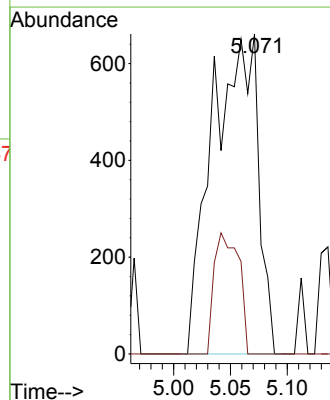
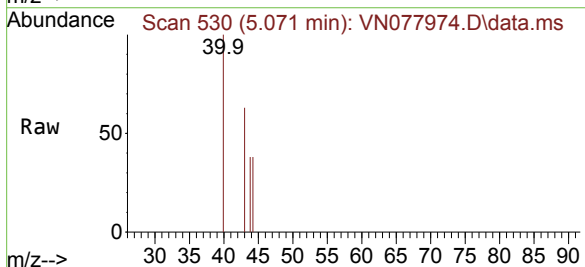
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20230522

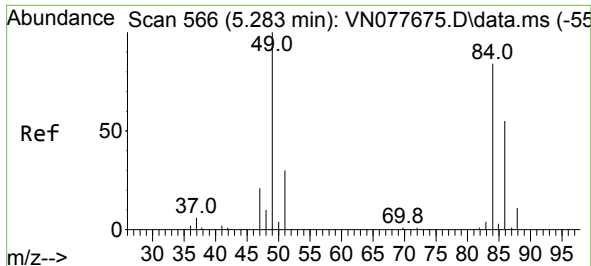
Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.253 ug/l
RT: 5.071 min Scan# 530
Delta R.T. 0.035 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#

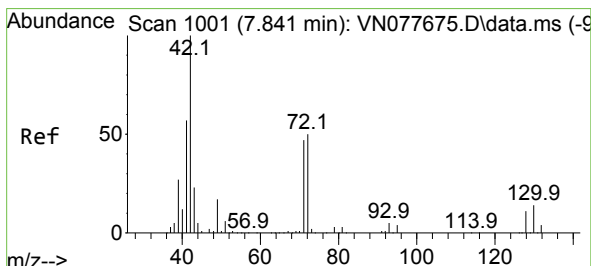
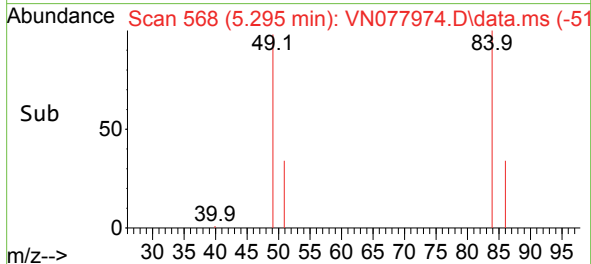
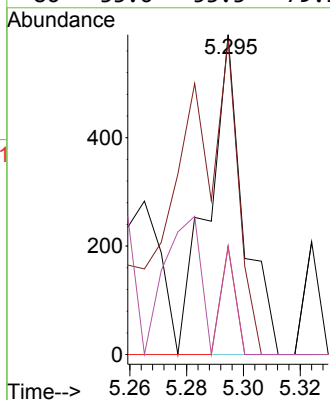
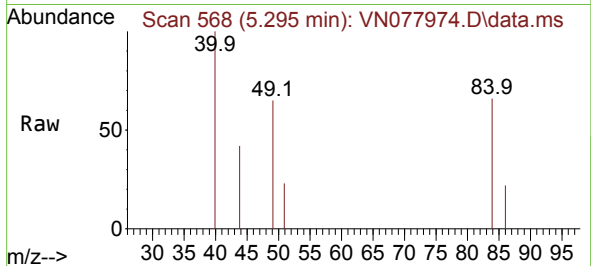




#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 508
Delta R.T. 0.012 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

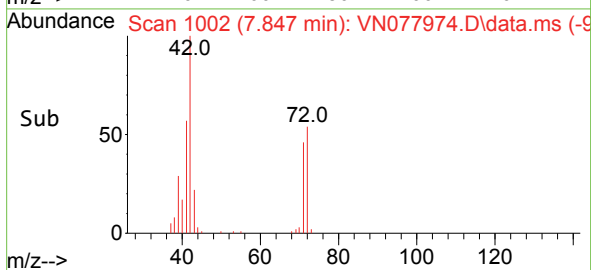
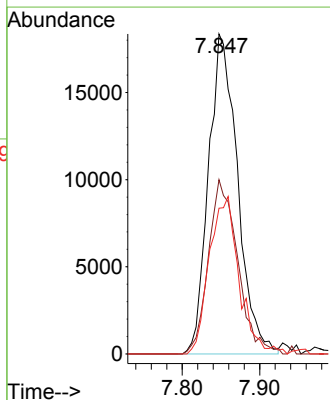
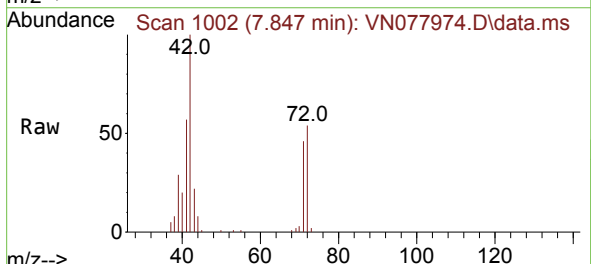
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20230522

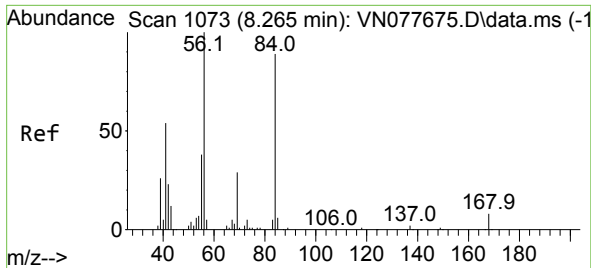
Tgt Ion: 84	Resp: 508
Ion Ratio	Lower Upper
84 100	
49 98.1	79.7 119.5
51 33.9	25.2 37.8
86 33.6	53.3 79.9#



#29
Tetrahydrofuran
Concen: 26.944 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

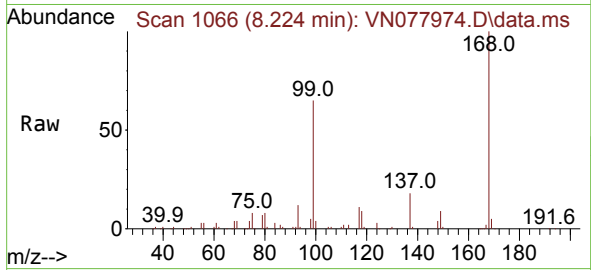
Tgt Ion: 42	Resp: 47878
Ion Ratio	Lower Upper
42 100	
72 54.7	49.8 74.6
71 49.6	47.4 71.2



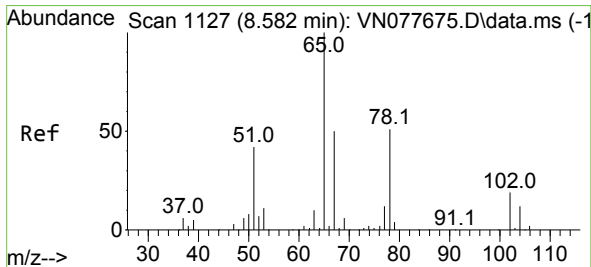
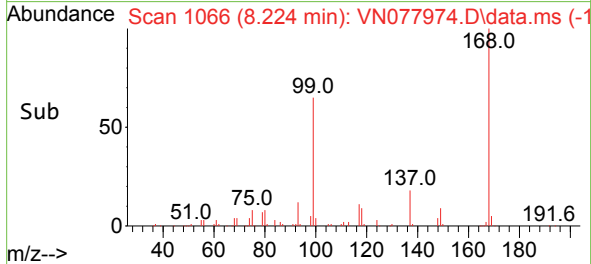
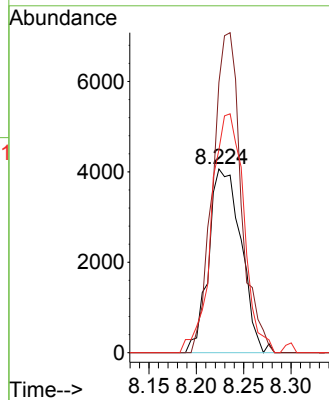


#31
Cyclohexane
Concen: 1.290 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20230522

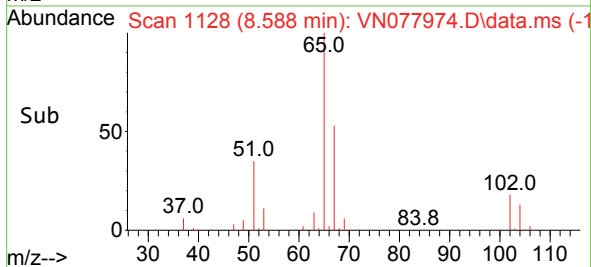
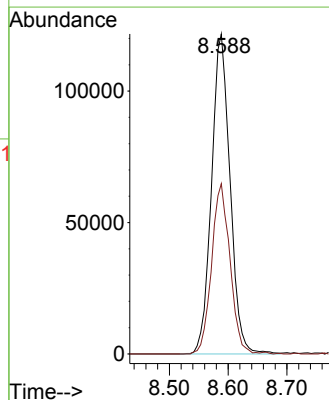
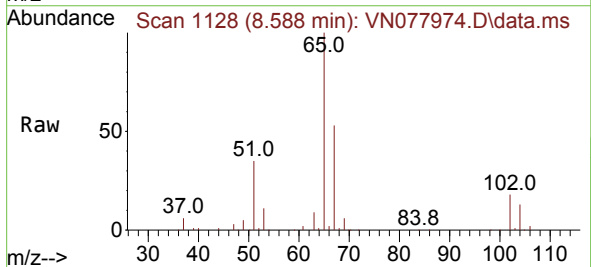


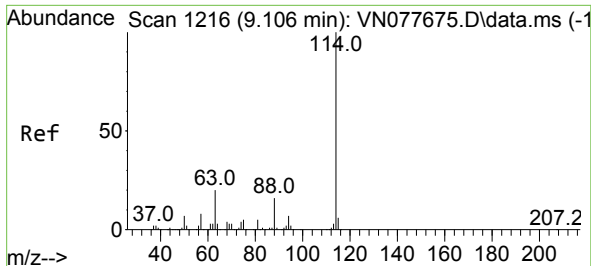
Tgt Ion: 56 Resp: 9670
Ion Ratio Lower Upper
56 100
69 147.2 26.8 40.2#
84 110.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.309 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 65 Resp: 266381
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6

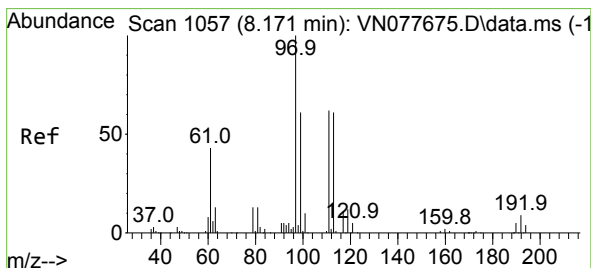
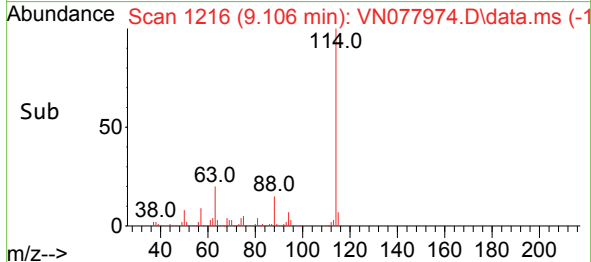
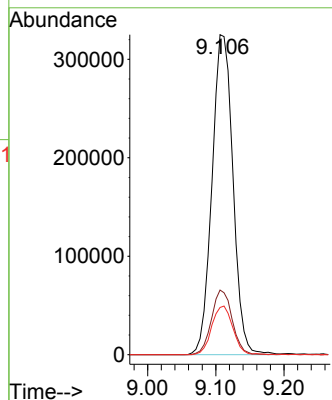
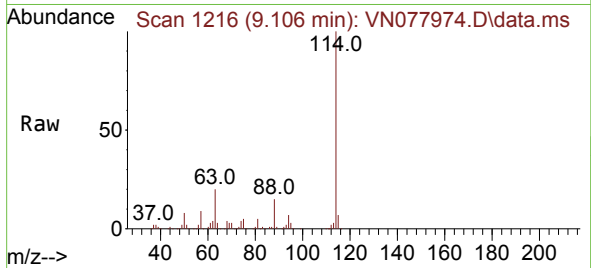




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

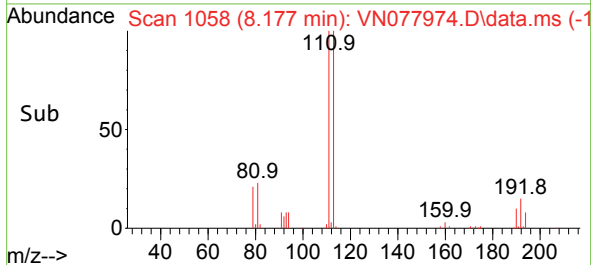
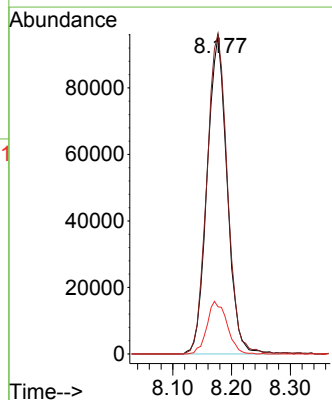
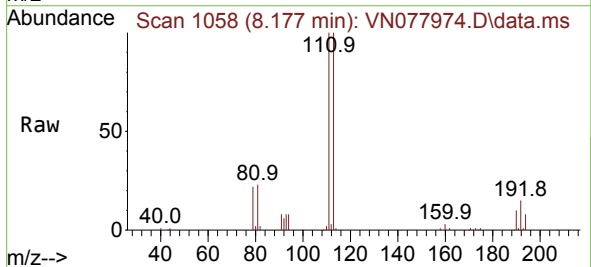
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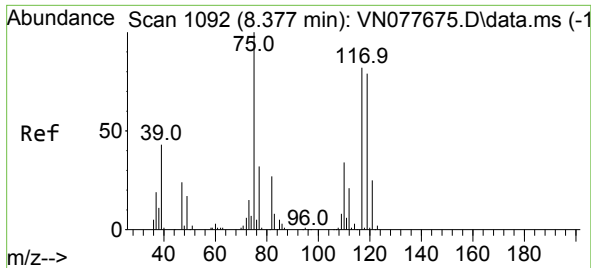
Tgt Ion:114 Resp: 695211
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.816 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion:113 Resp: 225836
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 16.6 12.7 19.1

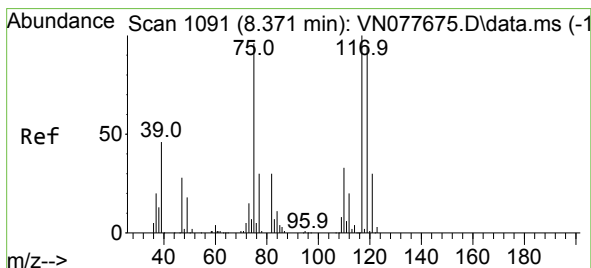
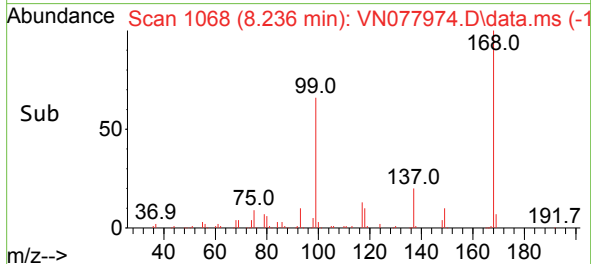
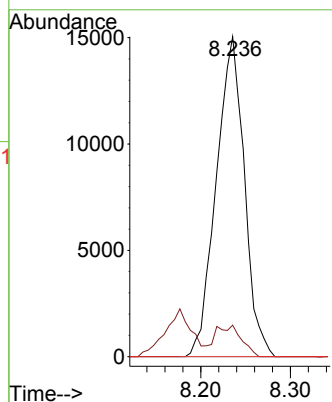
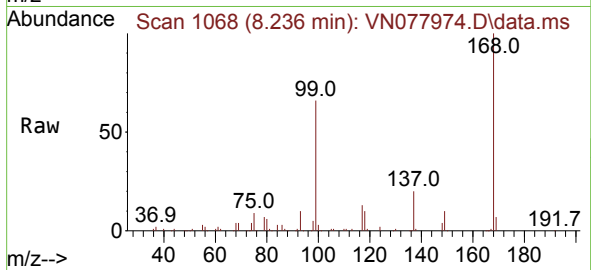




#36
1,1-Dichloropropene
Concen: 4.934 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

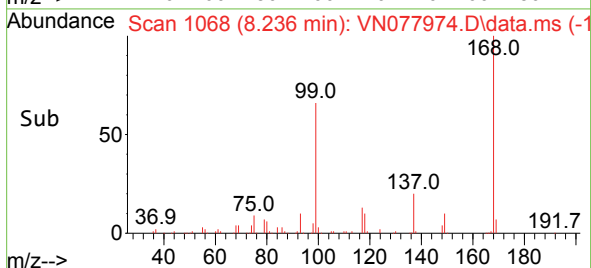
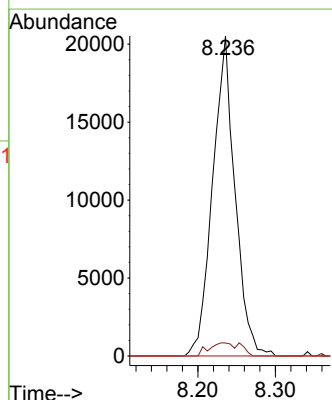
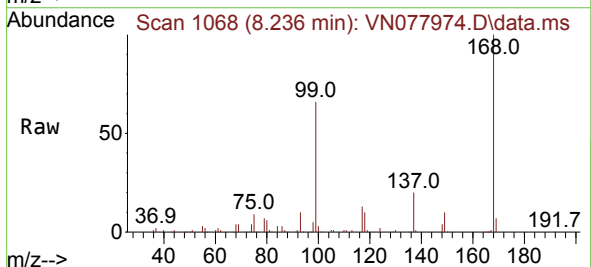
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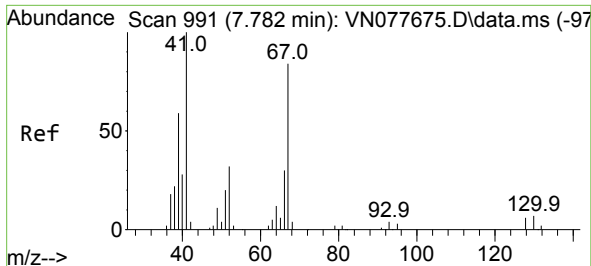
Tgt Ion: 75 Resp: 32717
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.142 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

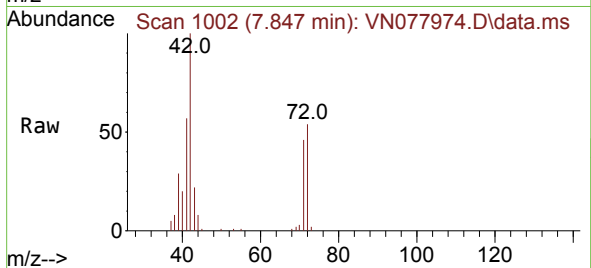
Tgt Ion: 117 Resp: 41127
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



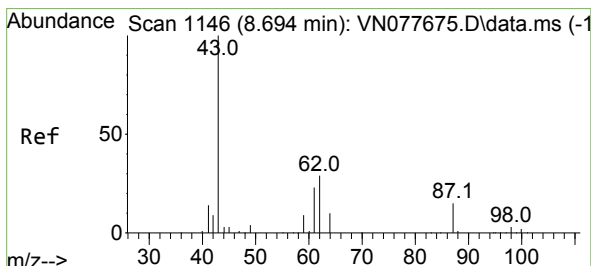
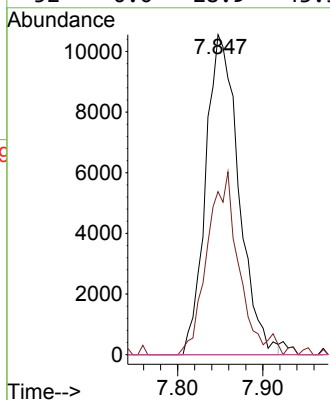
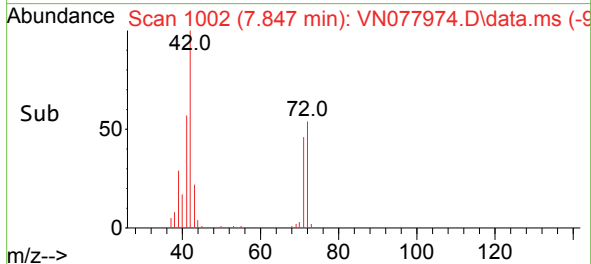


#41
Methacrylonitrile
Concen: 9.051 ug/l
RT: 7.847 min Scan# 1158
Delta R.T. 0.065 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Instrument :
MSVOA_N
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DUP04-20230522

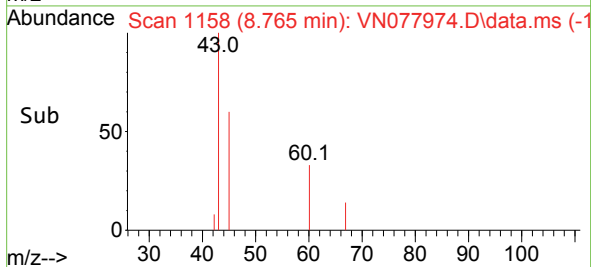
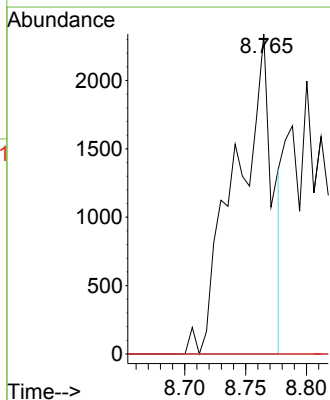
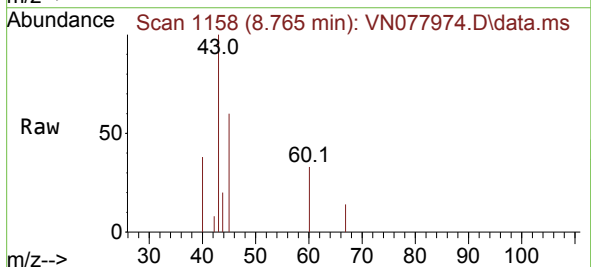


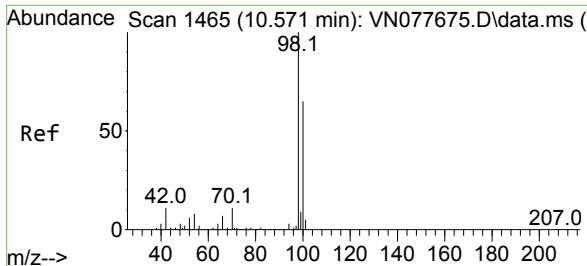
Tgt Ion: 41	Resp: 28488
Ion Ratio	Lower Upper
41	100
39	52.8 42.6 64.0
67	0.0 77.5 116.3#
52	0.0 28.9 43.3#



#43
Isopropyl Acetate
Concen: 0.509 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 43	Resp: 4917
Ion Ratio	Lower Upper
43	100
61	0.0 24.7 37.1#
87	0.0 14.6 21.8#

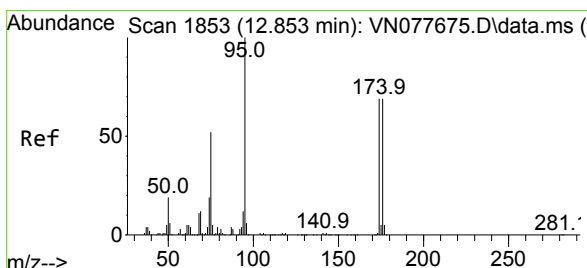
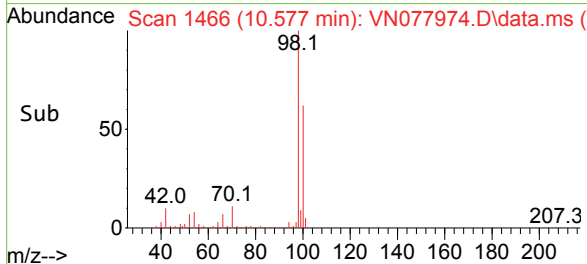
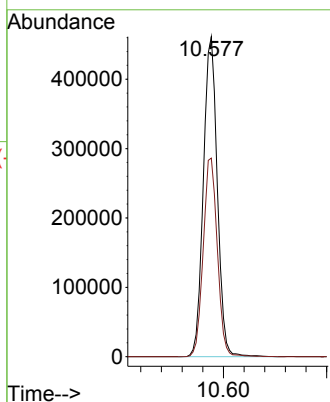
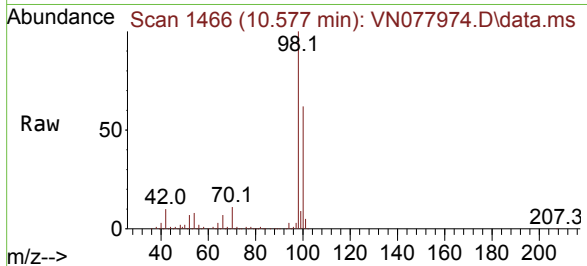




#50
Toluene-d8
Concen: 49.446 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

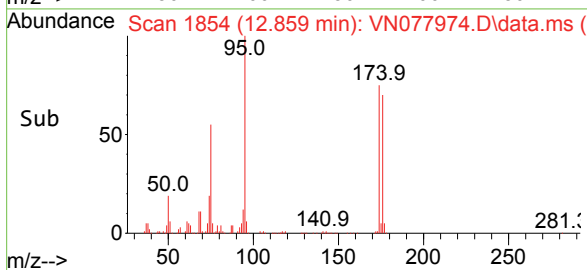
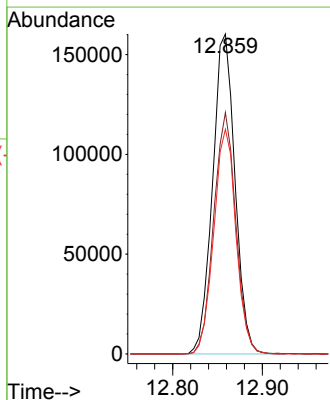
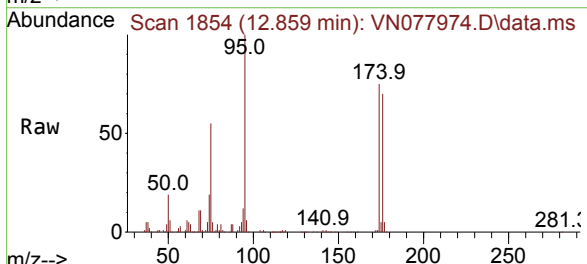
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20230522

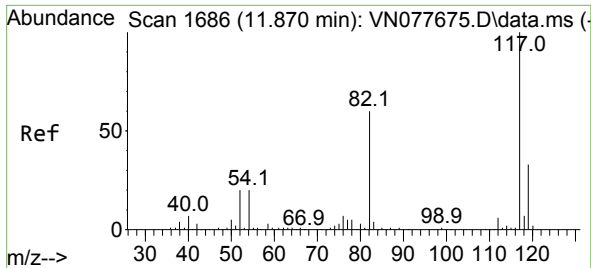
Tgt Ion: 98 Resp: 862802
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 95 Resp: 278310
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 69.4 0.0 135.8

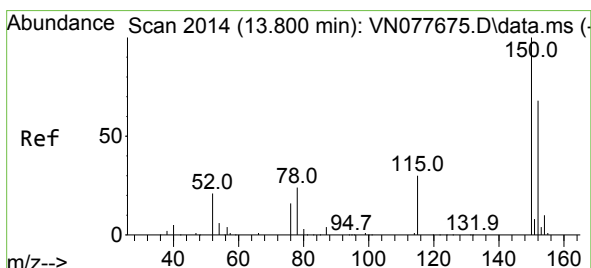
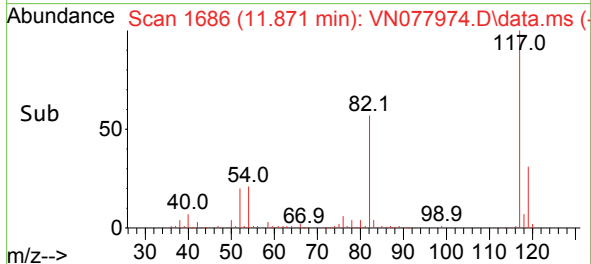
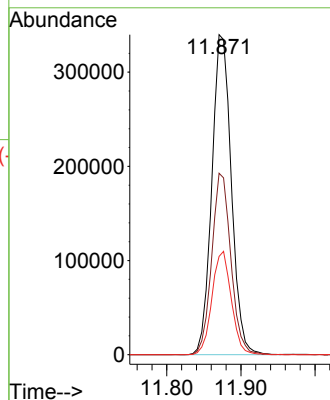
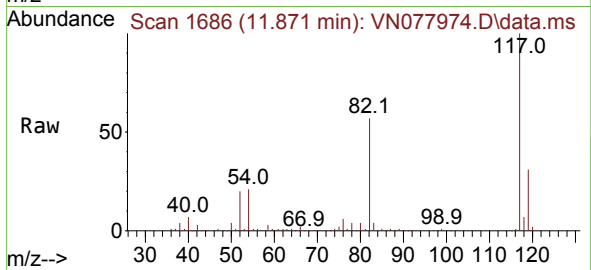




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

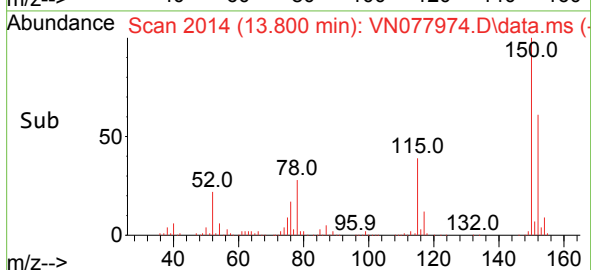
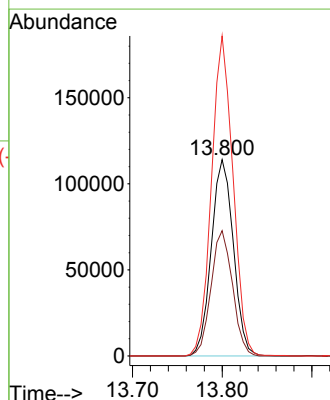
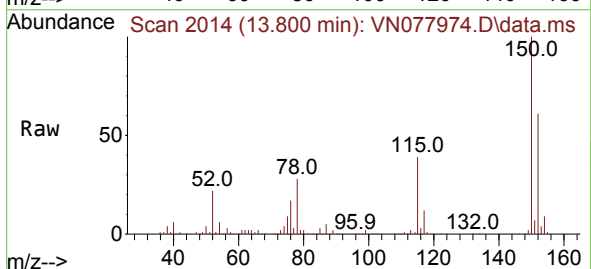
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20230522

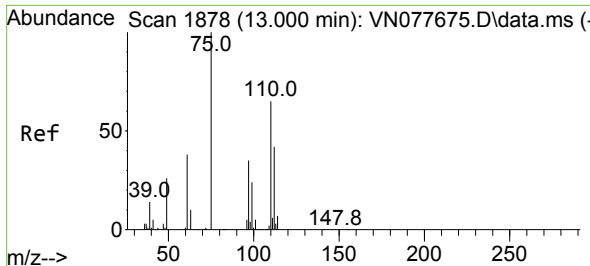
Tgt Ion:117 Resp: 621546
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 30.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion:152 Resp: 194853
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 158.4 0.0 355.8

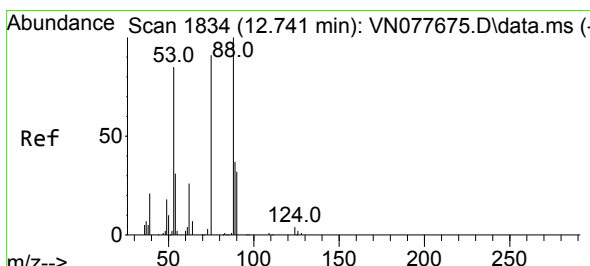
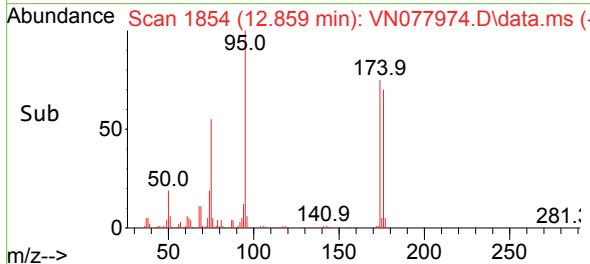
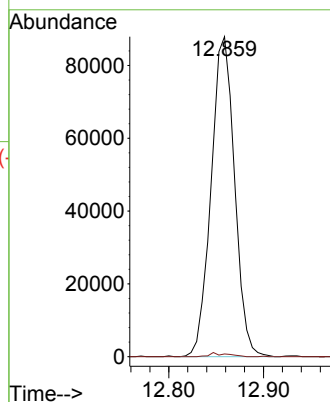
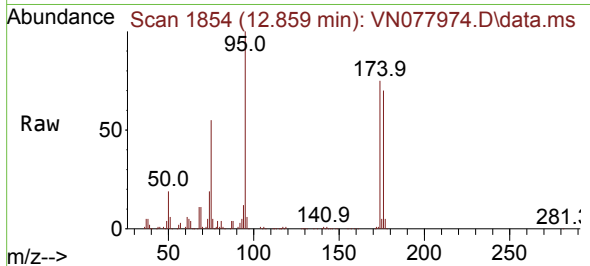




#76
1,2,3-Trichloropropane
Concen: 31.015 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20230522

Tgt Ion: 75 Resp: 151348
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.140 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 75 Resp: 151348
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

