

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074060.D
 Acq On : 23 Aug 2022 11:22
 Operator : JC\MD
 Sample : VN0823WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL01

Quant Time: Aug 23 18:52:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

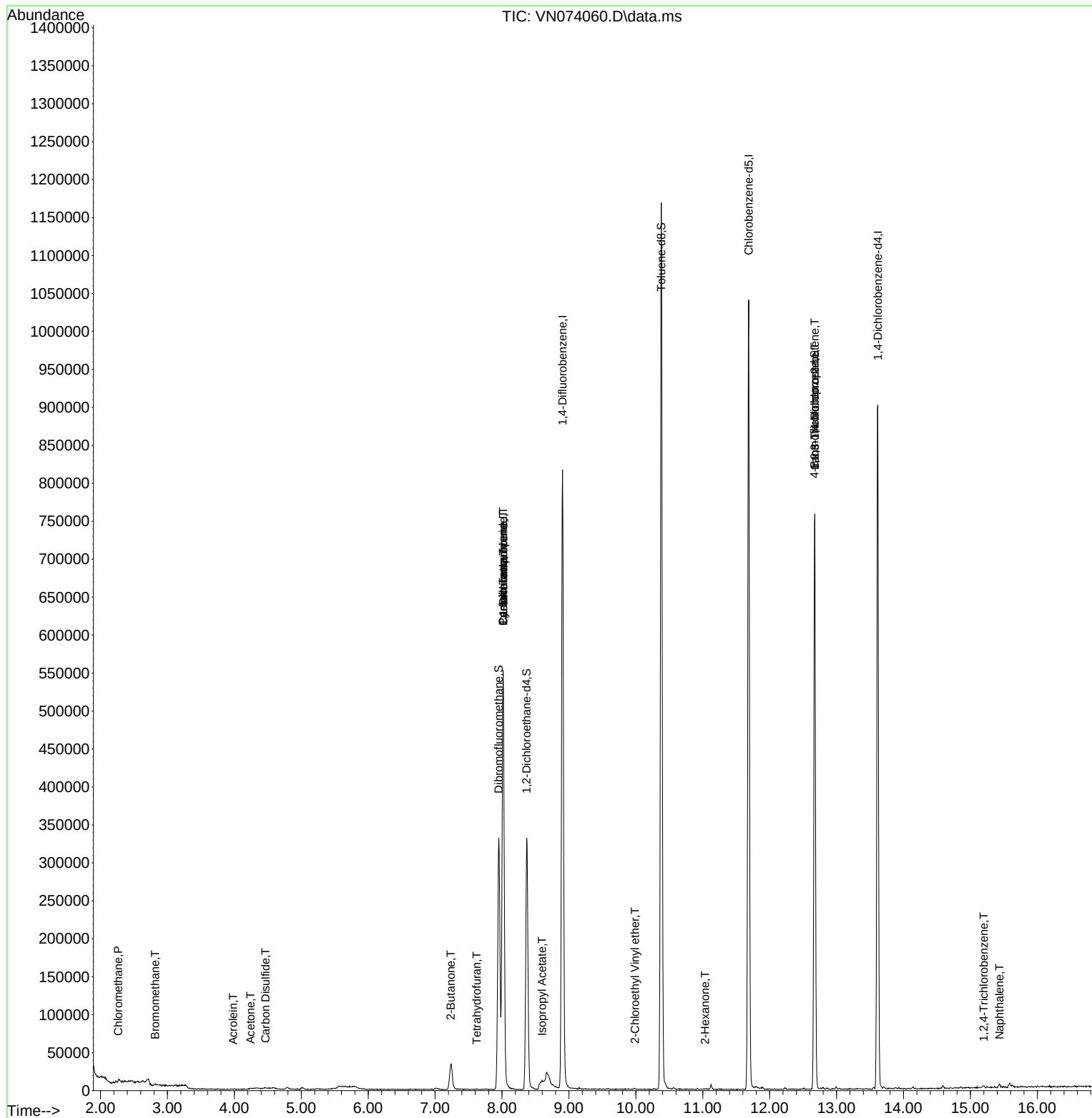
Internal Standards						
1) Pentafluorobenzene	8.016	168	464529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	761830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	642795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	268261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	282116	62.353	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.700%	
35) Dibromofluoromethane	7.951	113	243926	54.141	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.280%	
50) Toluene-d8	10.381	98	845586	48.460	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.920%	
62) 4-Bromofluorobenzene	12.669	95	260618	45.004	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.000%	
Target Compounds						Qvalue
3) Chloromethane	2.263	50	1232	0.301	ug/l	95
5) Bromomethane	2.816	94	1798	0.548	ug/l #	54
13) Acrolein	3.981	56	154	0.217	ug/l #	16
16) Acetone	4.240	43	2009	0.941	ug/l #	77
17) Carbon Disulfide	4.463	76	1914	0.220	ug/l #	75
18) Methyl Acetate	4.793	43	5642	Below Cal		96
25) 2-Butanone	7.234	43	2007	0.593	ug/l #	45
29) Tetrahydrofuran	7.622	42	558	0.257	ug/l #	29
31) Cyclohexane	8.016	56	7310	1.159	ug/l #	34
36) 1,1-Dichloropropene	8.016	75	30737	4.912	ug/l #	49
38) Carbon Tetrachloride	8.016	117	41212	5.762	ug/l #	17
43) Isopropyl Acetate	8.598	43	13378	1.239	ug/l #	53
58) 2-Chloroethyl Vinyl ether	9.986	63	764	0.218	ug/l #	61
59) 2-Hexanone	11.033	43	1459	0.260	ug/l #	49
76) 1,2,3-Trichloropropane	12.674	75	124430	22.316	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	124430	63.471	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.198	180	1358	0.236	ug/l #	83
95) Naphthalene	15.433	128	5133	0.273	ug/l #	95

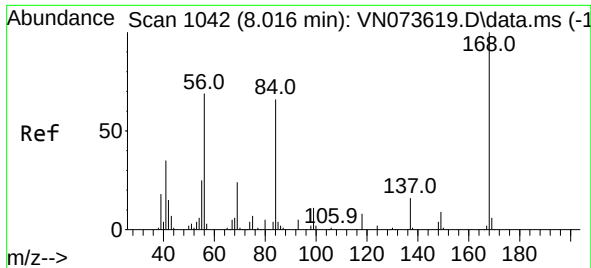
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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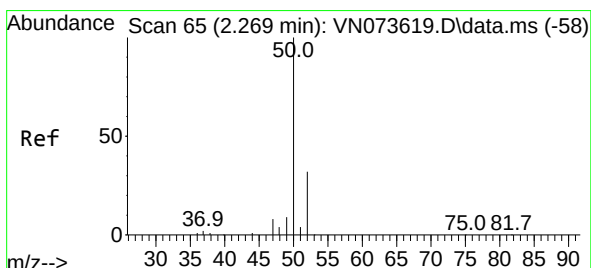
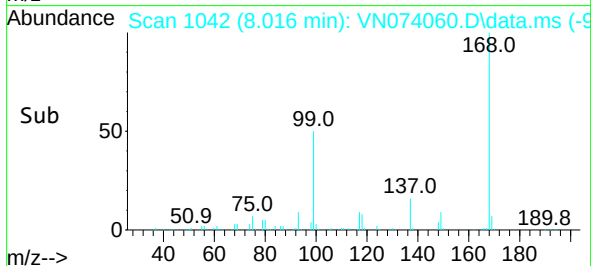
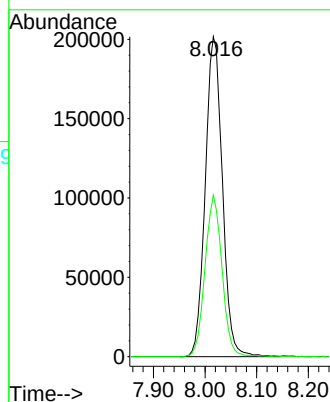
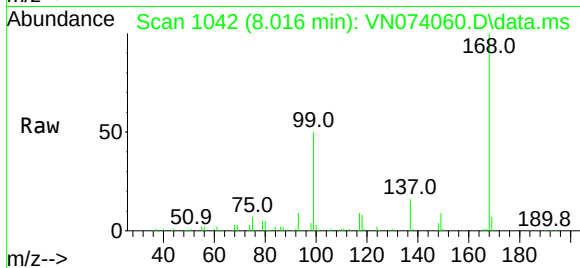




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

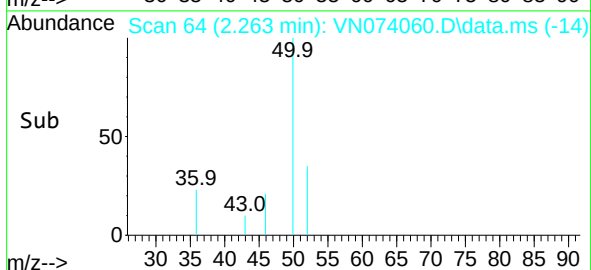
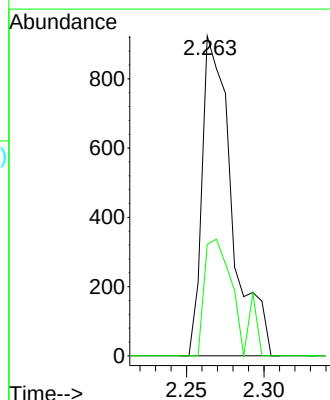
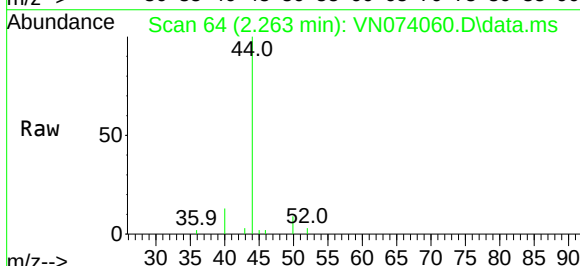
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

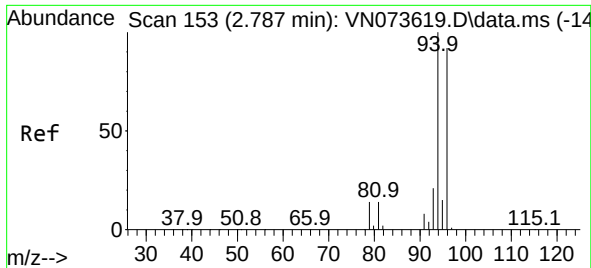
Tgt Ion:168 Resp: 464529
Ion Ratio Lower Upper
168 100
99 50.5 42.3 63.5



#3
Chloromethane
Concen: 0.301 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 50 Resp: 1232
Ion Ratio Lower Upper
50 100
52 34.8 25.7 38.5

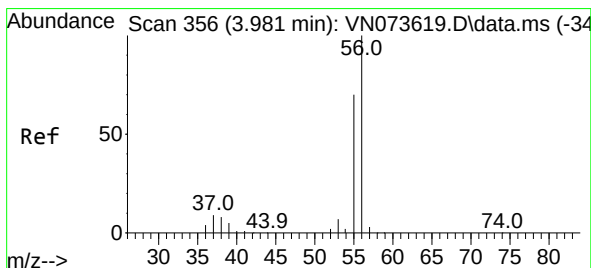
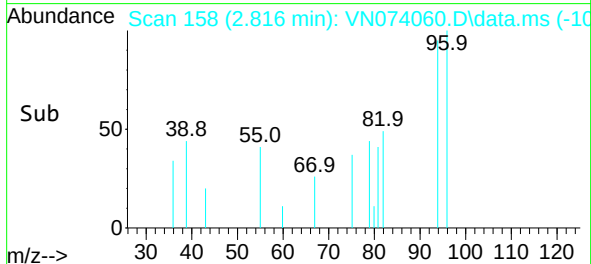
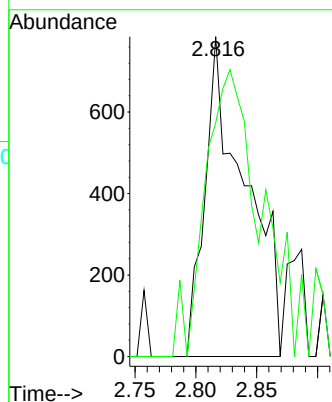
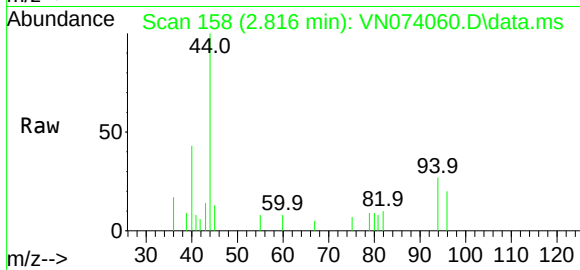




#5
Bromomethane
Concen: 0.548 ug/l
RT: 2.816 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

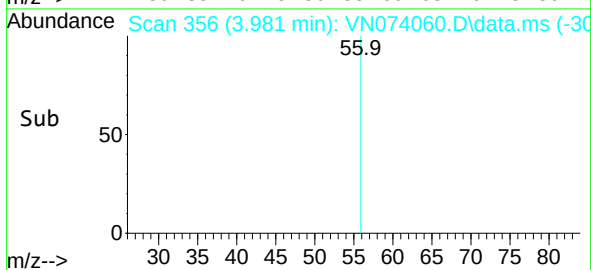
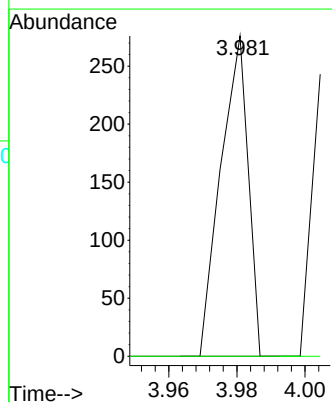
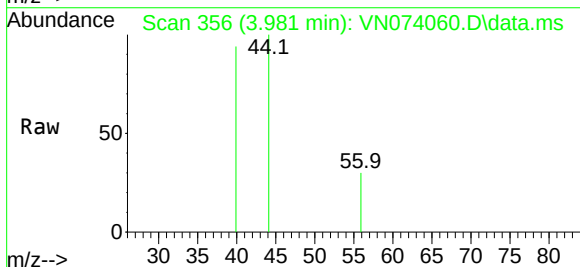
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

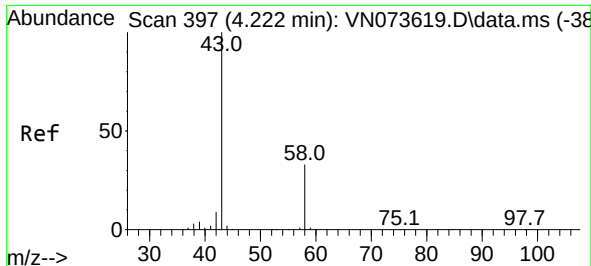
Tgt Ion: 94 Resp: 1798
Ion Ratio Lower Upper
94 100
96 50.1 76.0 114.0#



#13
Acrolein
Concen: 0.217 ug/l
RT: 3.981 min Scan# 356
Delta R.T. -0.000 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

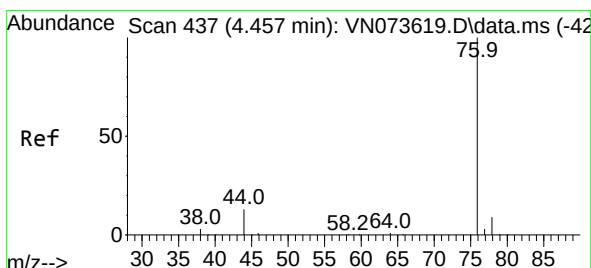
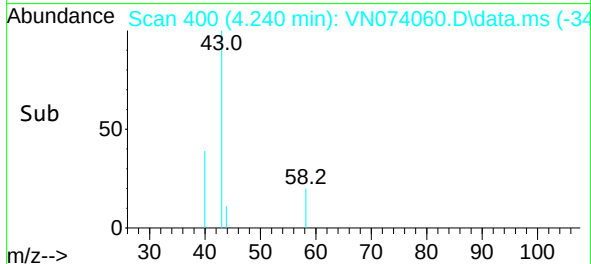
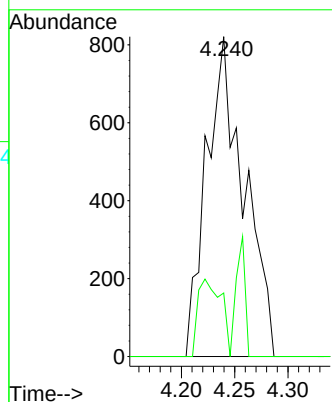
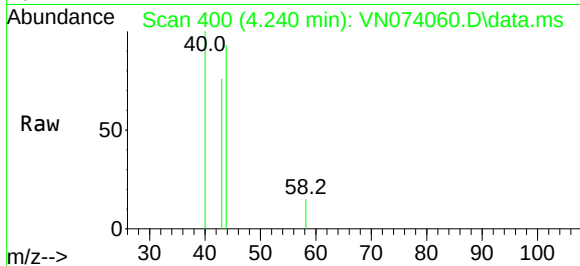




#16
Acetone
Concen: 0.941 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

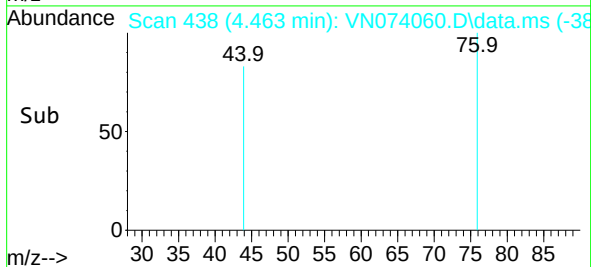
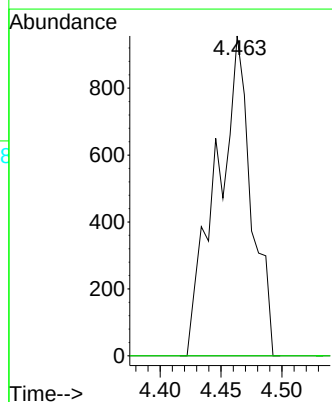
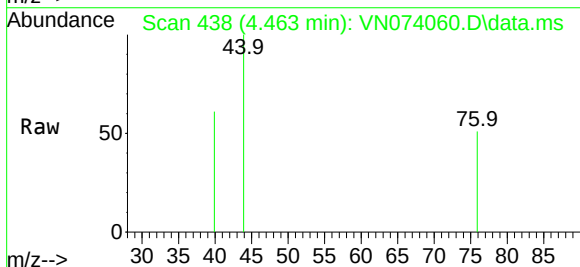
Instrument :
MSVOA_N
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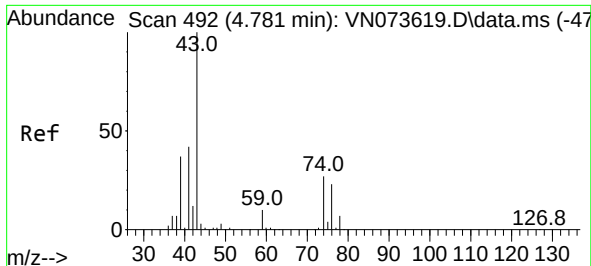
Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
58 19.9 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 4.463 min Scan# 438
Delta R.T. 0.006 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 76 Resp: 1914
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

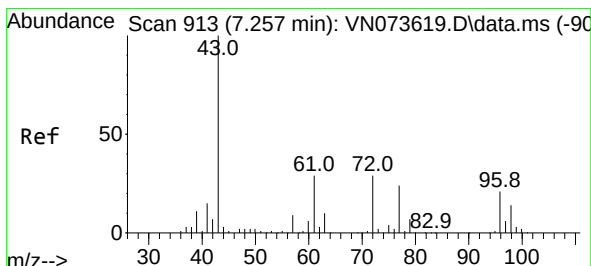
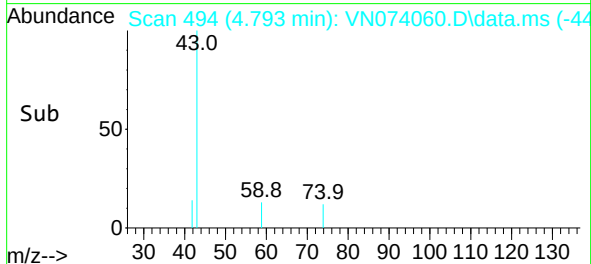
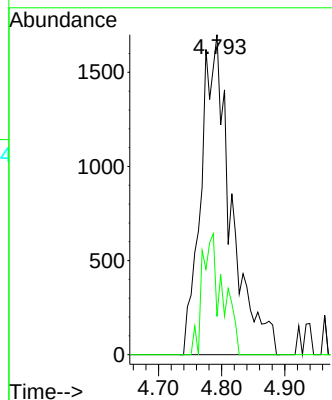
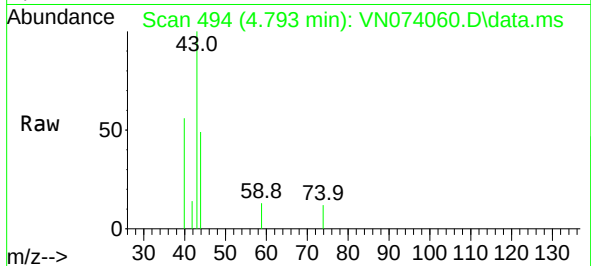




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

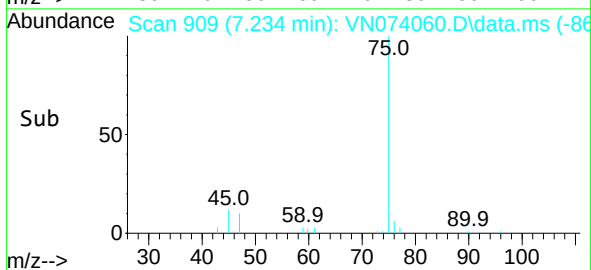
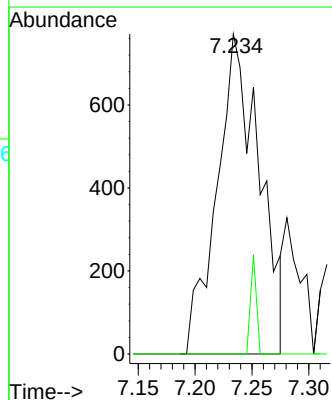
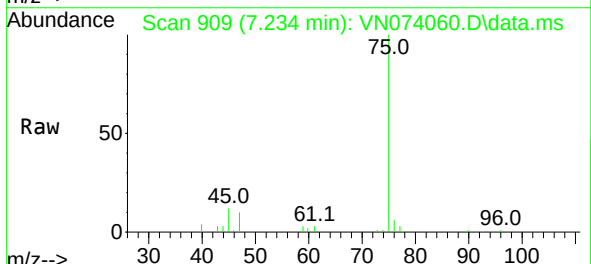
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

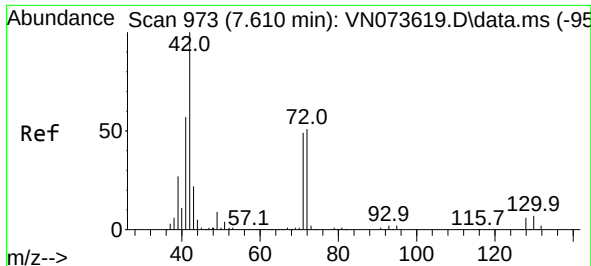
Tgt Ion: 43 Resp: 5642
Ion Ratio Lower Upper
43 100
74 25.2 21.6 32.4



#25
2-Butanone
Concen: 0.593 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.023 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074060.D

Acq: 23 Aug 2022 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBL01

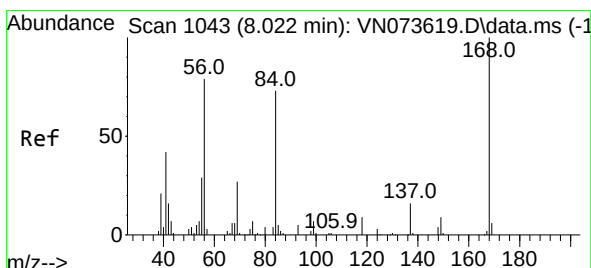
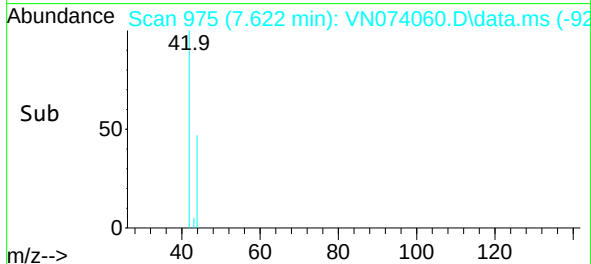
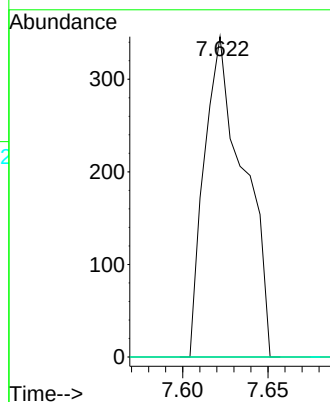
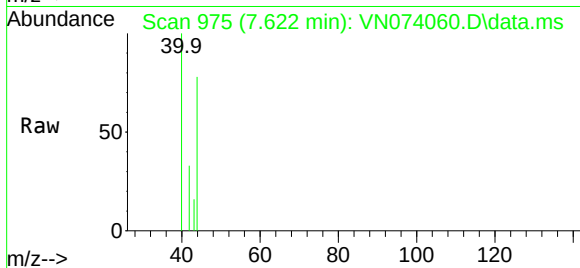
Tgt Ion: 42 Resp: 558

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074060.D

Acq: 23 Aug 2022 11:22

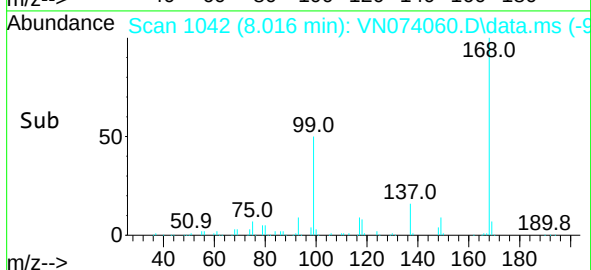
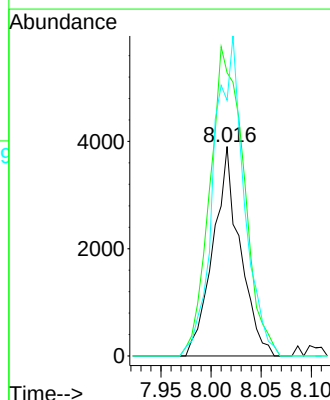
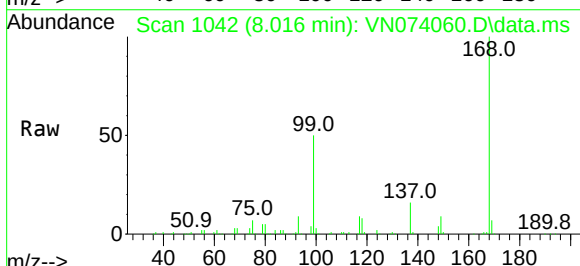
Tgt Ion: 56 Resp: 7310

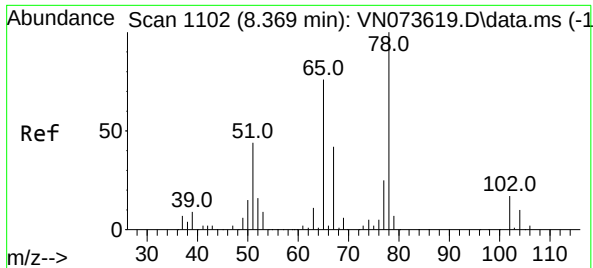
Ion Ratio Lower Upper

56 100

69 135.3 27.8 41.8#

84 122.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 62.353 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074060.D

Acq: 23 Aug 2022 11:22

Instrument :

MSVOA_N

ClientSampleId :

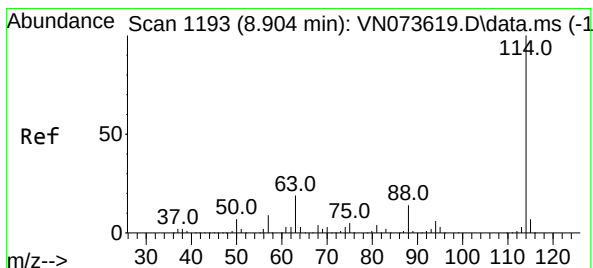
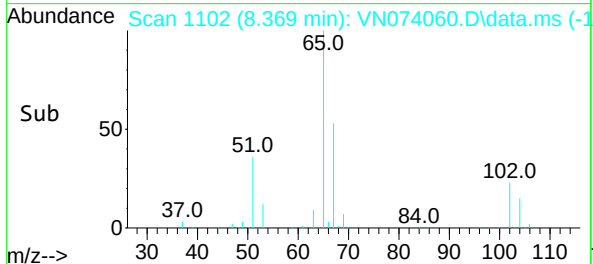
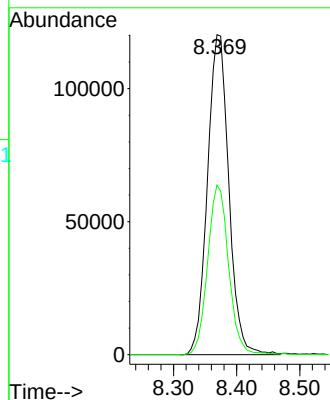
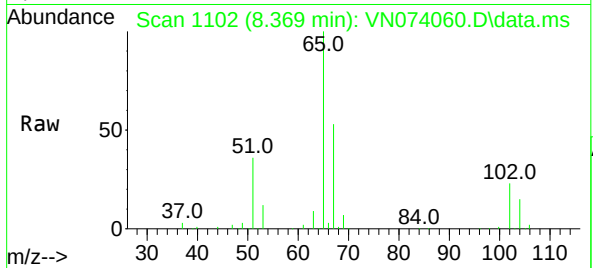
VN0823WBL01

Tgt Ion: 65 Resp: 282116

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074060.D

Acq: 23 Aug 2022 11:22

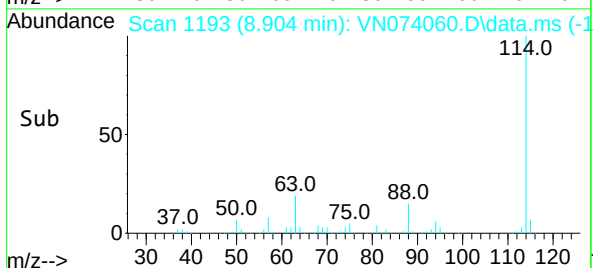
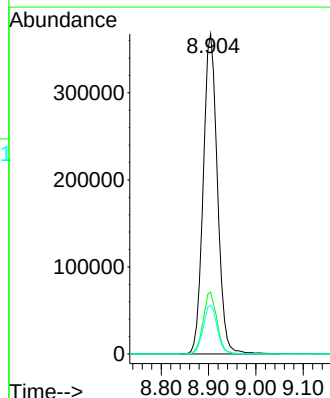
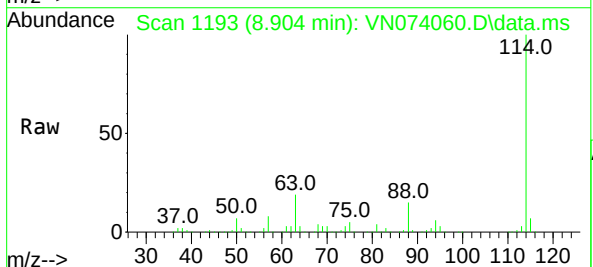
Tgt Ion: 114 Resp: 761830

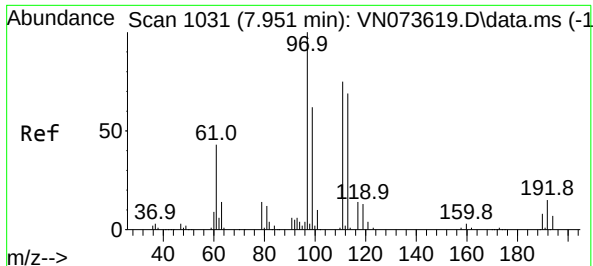
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.2 0.0 32.6

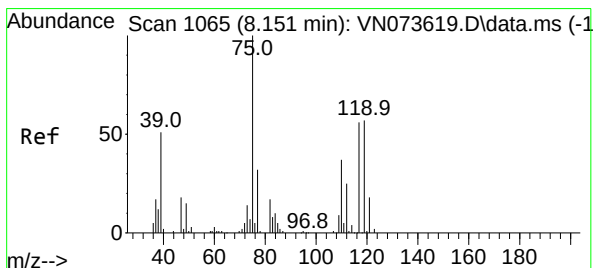
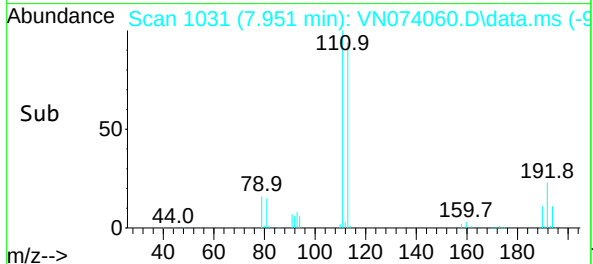
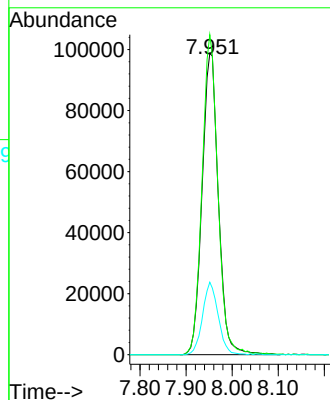
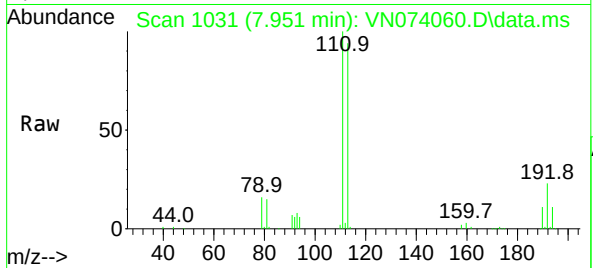




#35
Dibromofluoromethane
Concen: 54.141 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

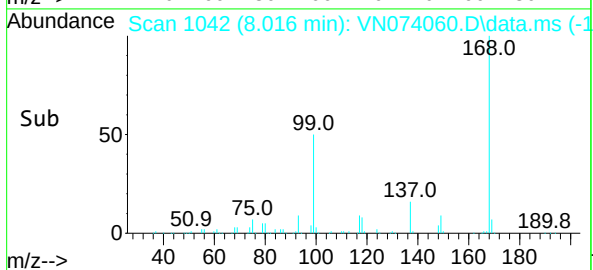
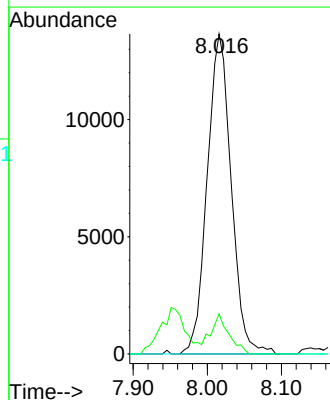
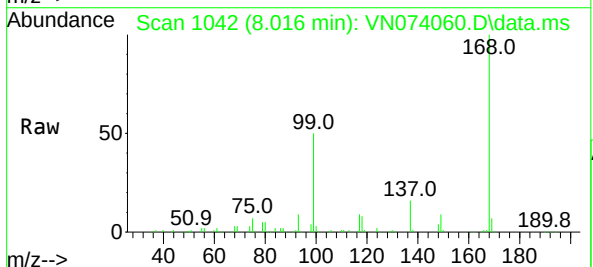
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

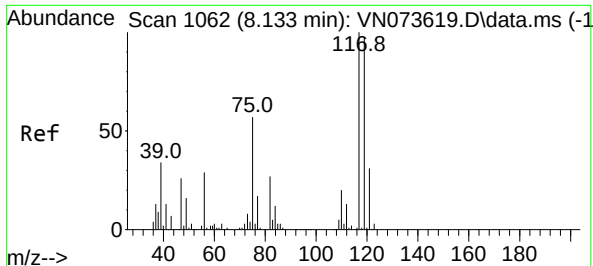
Tgt Ion:113 Resp: 243926
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 23.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.912 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

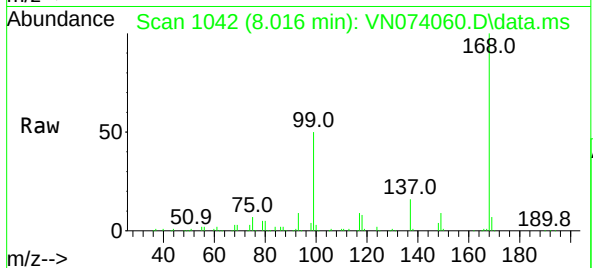
Tgt Ion: 75 Resp: 30737
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 25.1 37.7#



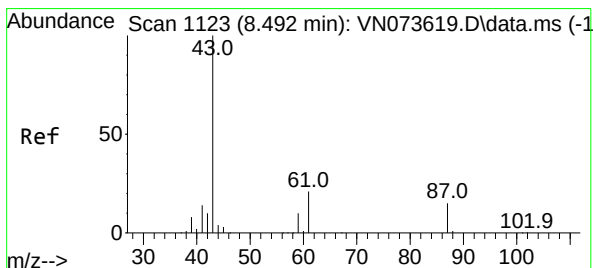
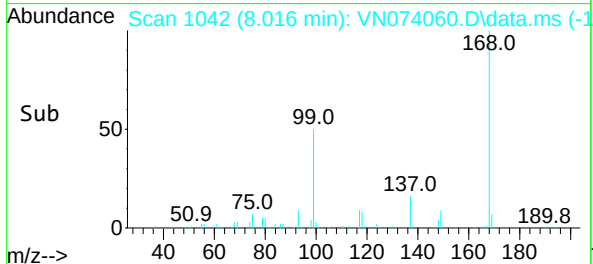
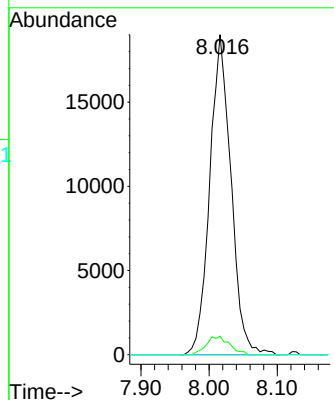


#38
Carbon Tetrachloride
Concen: 5.762 ug/l
RT: 8.016 min Scan# 1141
Delta R.T. -0.117 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

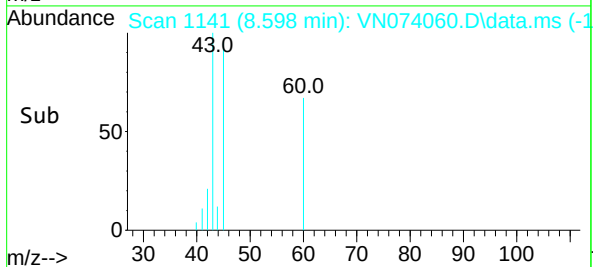
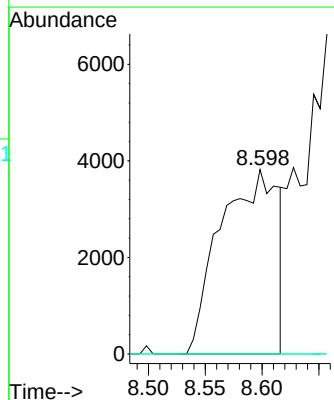
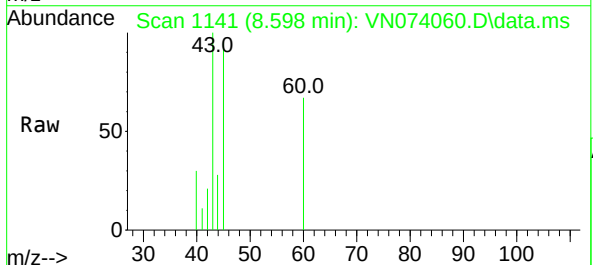


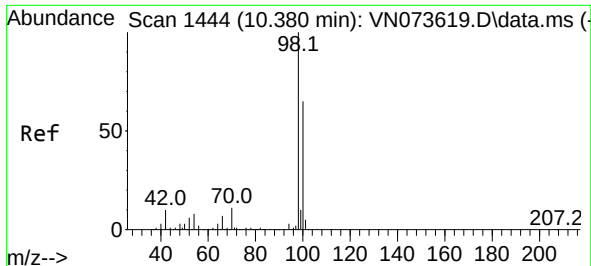
Tgt Ion:117 Resp: 41212
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.239 ug/l
RT: 8.598 min Scan# 1141
Delta R.T. 0.106 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 43 Resp: 13378
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

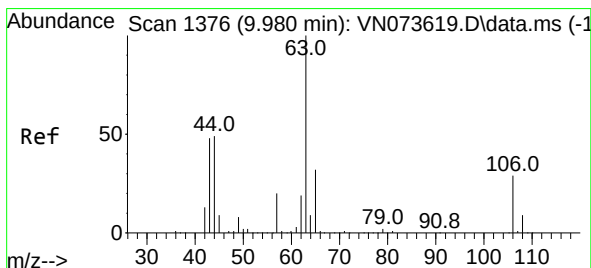
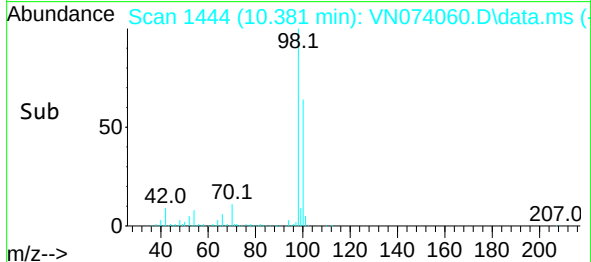
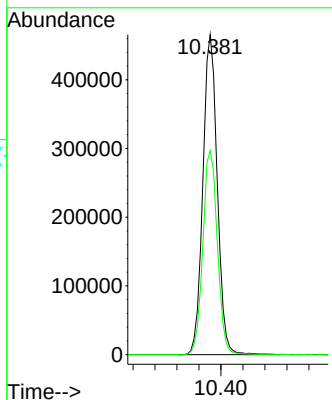
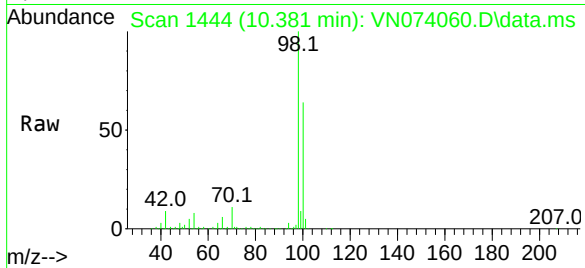




#50
Toluene-d8
Concen: 48.460 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

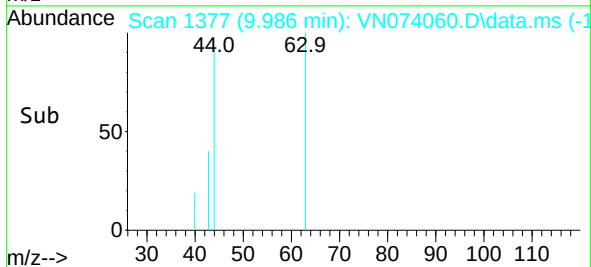
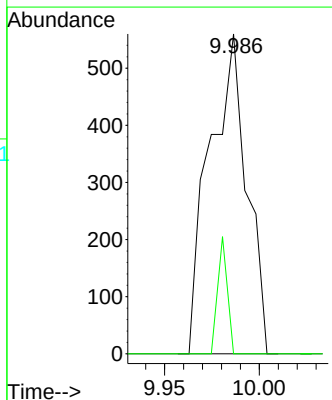
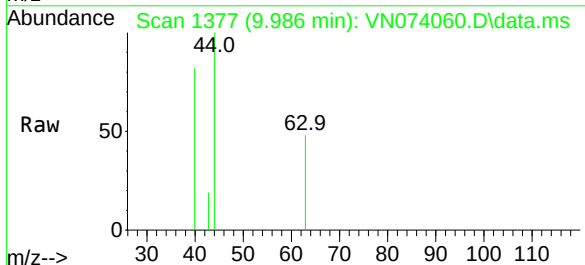
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

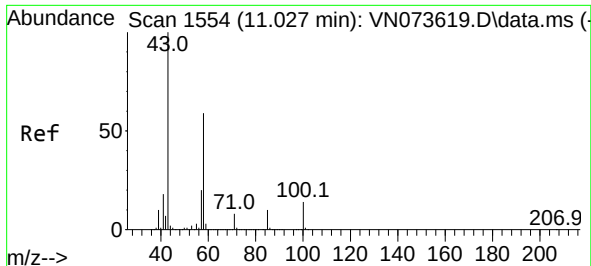
Tgt Ion: 98 Resp: 845586
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 0.218 ug/l
RT: 9.986 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 63 Resp: 764
Ion Ratio Lower Upper
63 100
106 9.4 24.6 36.8#

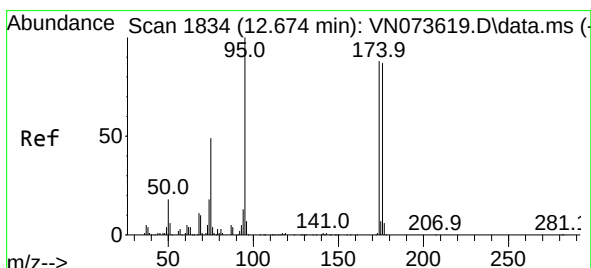
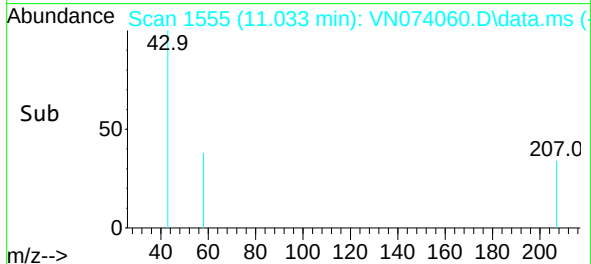
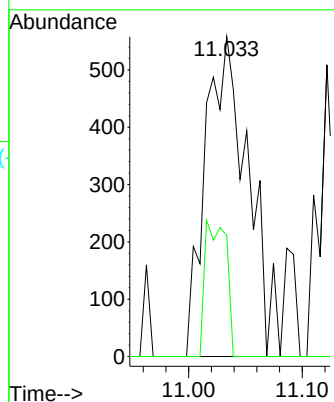
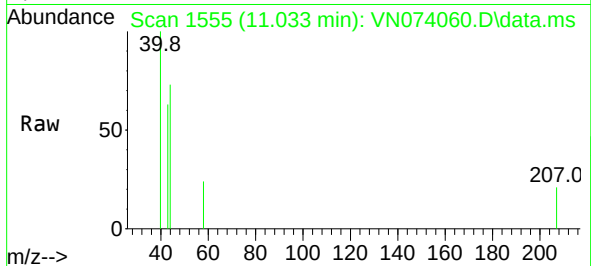




#59
2-Hexanone
Concen: 0.260 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

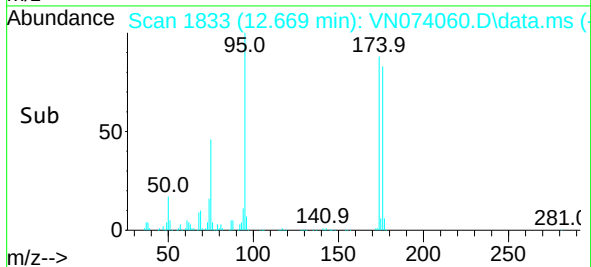
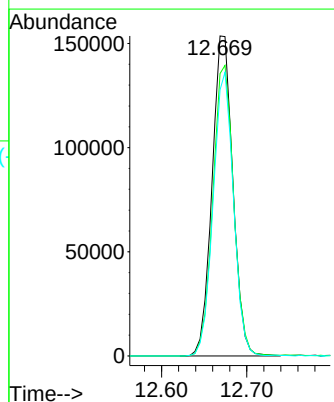
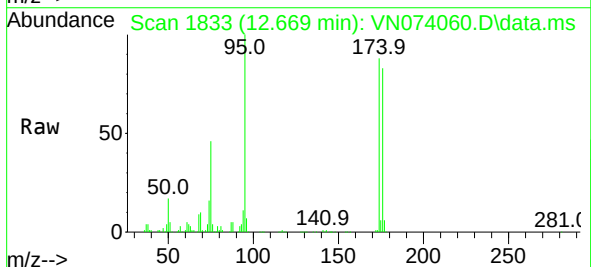
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

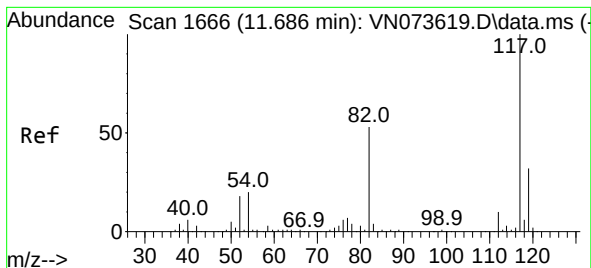
Tgt Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
58 21.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 45.004 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 95 Resp: 260618
Ion Ratio Lower Upper
95 100
174 90.7 0.0 167.6
176 86.2 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074060.D

Acq: 23 Aug 2022 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBL01

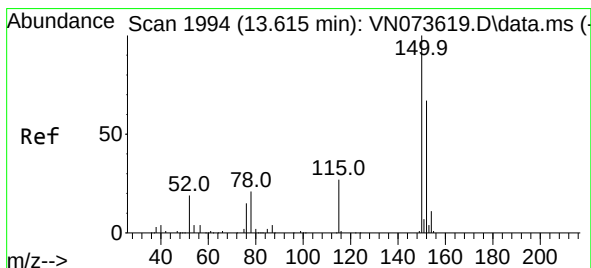
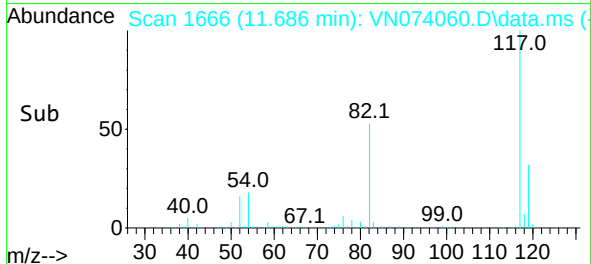
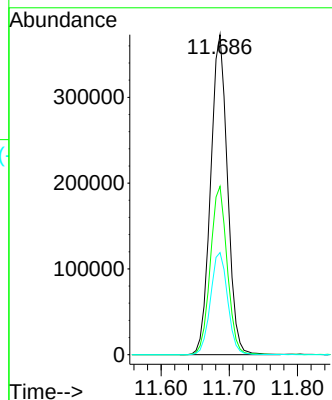
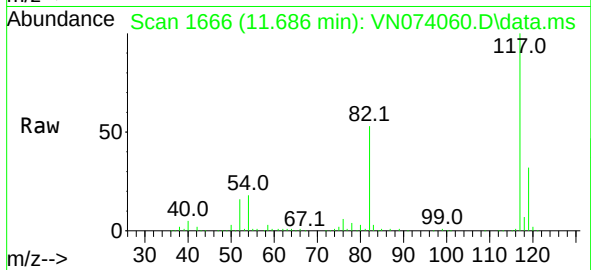
Tgt Ion:117 Resp: 642795

Ion Ratio Lower Upper

117 100

82 52.6 44.2 66.2

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074060.D

Acq: 23 Aug 2022 11:22

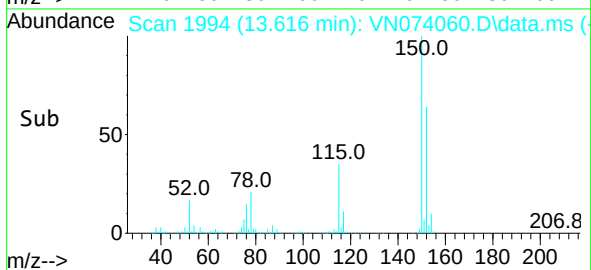
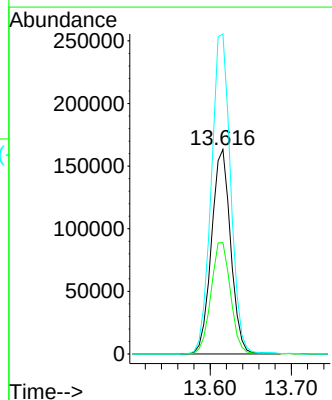
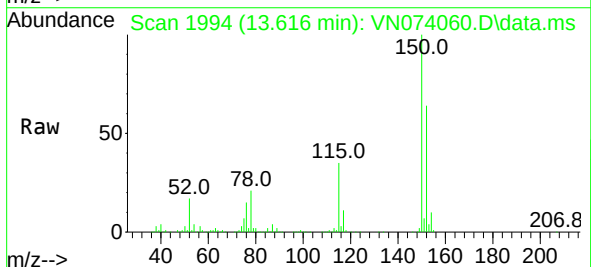
Tgt Ion:152 Resp: 268261

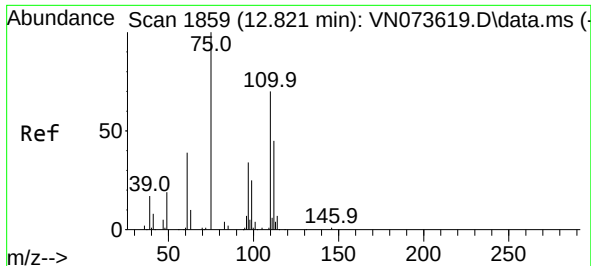
Ion Ratio Lower Upper

152 100

115 55.6 28.9 86.7

150 157.6 0.0 356.2

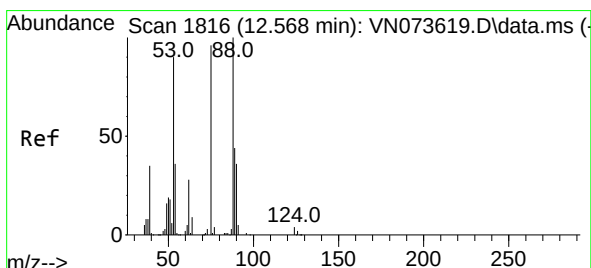
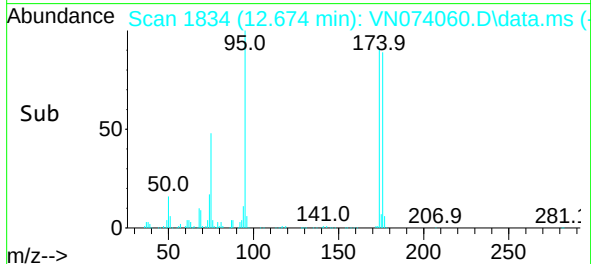
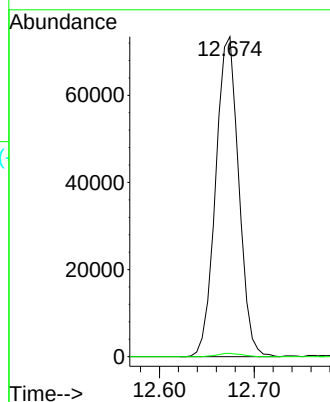
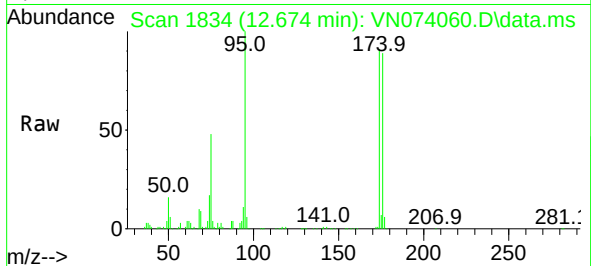




#76
1,2,3-Trichloropropane
Concen: 22.316 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

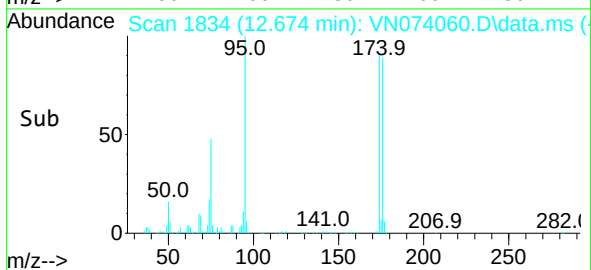
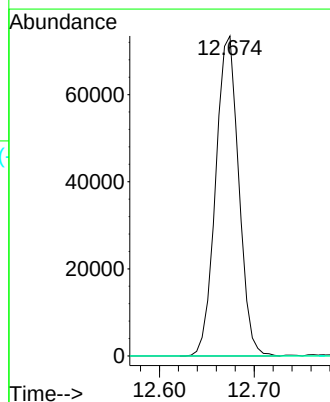
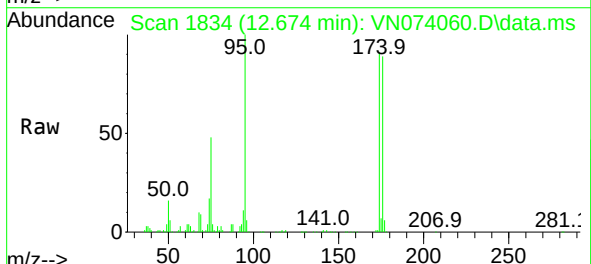
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

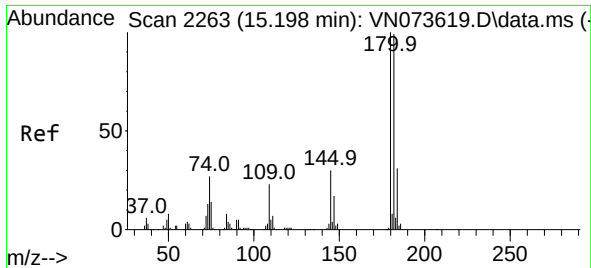
Tgt Ion: 75 Resp: 124430
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.471 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion: 75 Resp: 124430
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

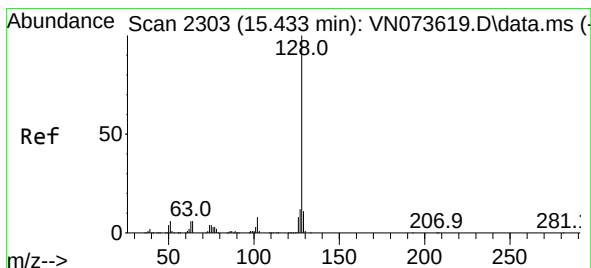
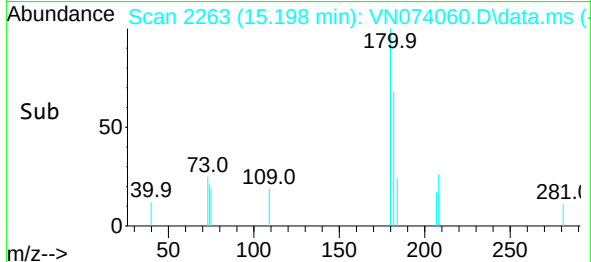
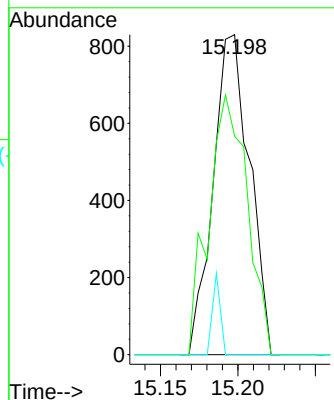
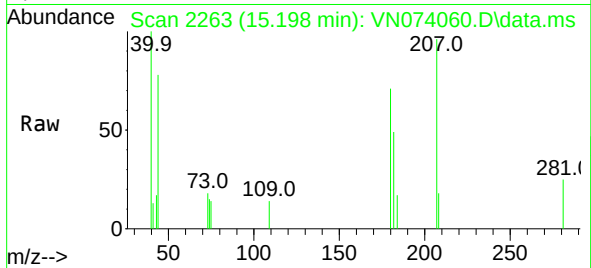




#93
1,2,4-Trichlorobenzene
Concen: 0.236 ug/l
RT: 15.198 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Tgt Ion:180 Resp: 1358
Ion Ratio Lower Upper
180 100
182 85.9 47.5 142.5
145 5.4 14.5 43.5#



#95
Naphthalene
Concen: 0.273 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN074060.D
Acq: 23 Aug 2022 11:22

Tgt Ion:128 Resp: 5133
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 7.1 8.6 13.0#

