

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070389.D
 Acq On : 30 Dec 2021 10:27
 Operator : JC/MD
 Sample : VN1230MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1230MBL01

Quant Time: Dec 30 17:32:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

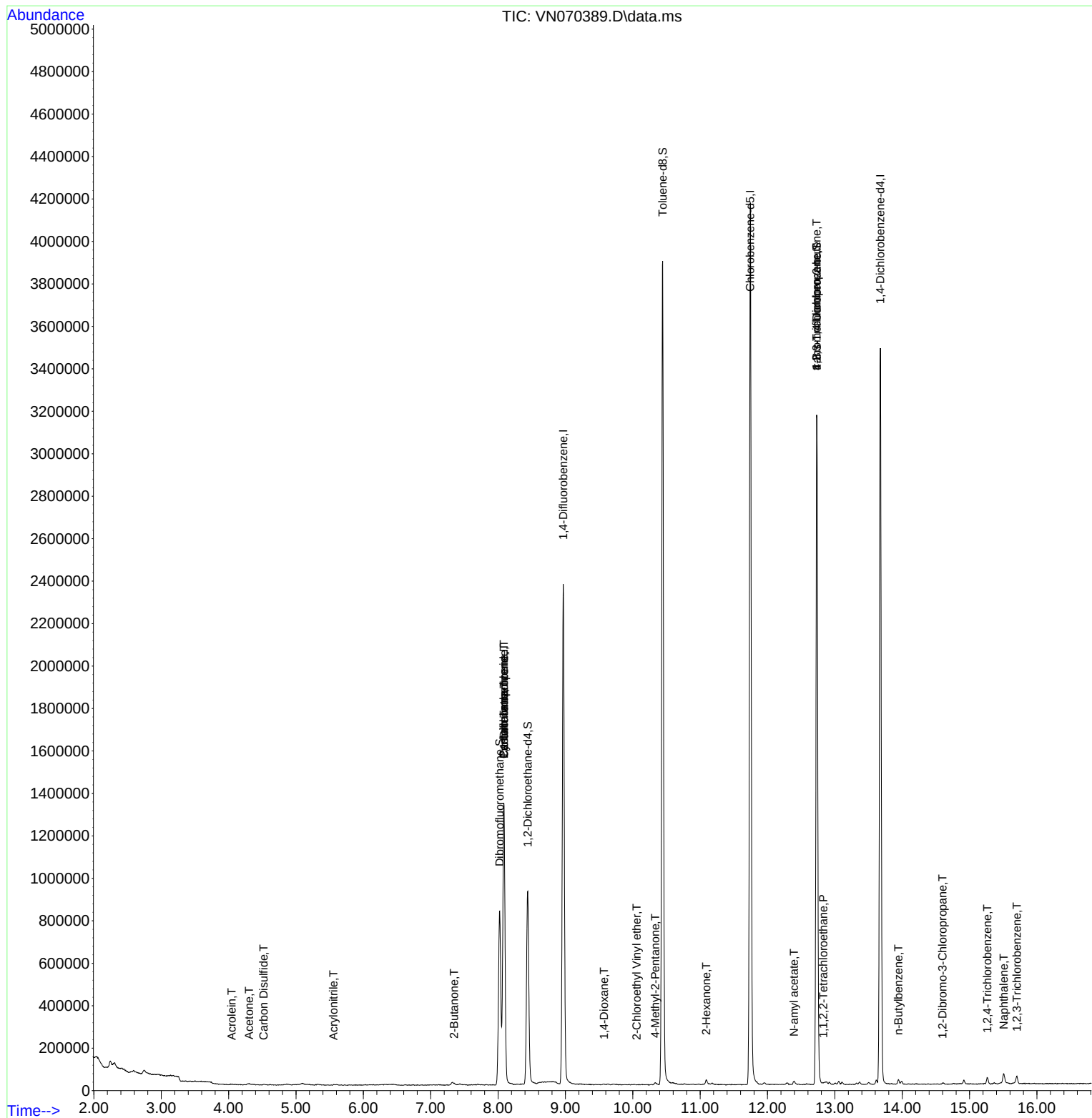
Internal Standards						
1) Pentafluorobenzene	8.086	168	1014859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1988362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2375832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	939341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	782967	53.658	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.320%			
35) Dibromofluoromethane	8.024	113	606582	50.420	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.840%			
50) Toluene-d8	10.443	98	2664732	54.221	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.440%			
62) 4-Bromofluorobenzene	12.731	95	1139572	64.199	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 128.400%			
Target Compounds					Qvalue	
13) Acrolein	4.044	56	983	0.499	ug/l #	68
15) Acrylonitrile	5.557	53	1627	0.215	ug/l #	30
16) Acetone	4.301	43	9209	0.972	ug/l #	82
17) Carbon Disulfide	4.519	76	5924	0.210	ug/l	99
25) 2-Butanone	7.348	43	2500	0.210	ug/l #	75
31) Cyclohexane	8.086	56	24342	1.057	ug/l #	12
36) 1,1-Dichloropropene	8.086	75	83703	4.206	ug/l #	48
38) Carbon Tetrachloride	8.086	117	99895	5.257	ug/l #	16
49) 1,4-Dioxane	9.574	88	670	2.359	ug/l #	77
51) 4-Methyl-2-Pentanone	10.333	43	8178	0.320	ug/l	92
58) 2-Chloroethyl Vinyl ether	10.057	63	130	18.532	ug/l #	45
59) 2-Hexanone	11.090	43	20071	1.077	ug/l	87
74) N-amyl acetate	12.393	43	10403	0.284	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	3008	0.541	ug/l #	86
76) 1,2,3-Trichloropropane	12.731	75	602629	23.219	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	602629	78.382	ug/l #	5
89) n-Butylbenzene	13.943	91	12976	0.237	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.600	75	1783	0.353	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.265	180	11339	0.732	ug/l	94
95) Naphthalene	15.507	128	53022	2.991	ug/l	98
96) 1,2,3-Trichlorobenzene	15.703	180	14831	1.811	ug/l	98

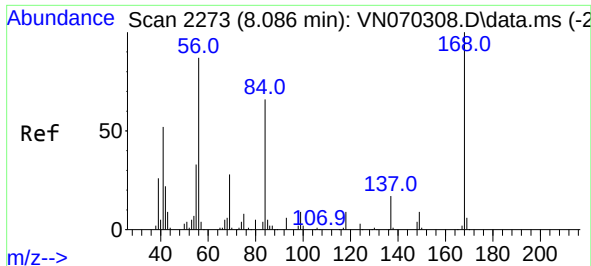
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

Quant Time: Dec 30 17:32:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

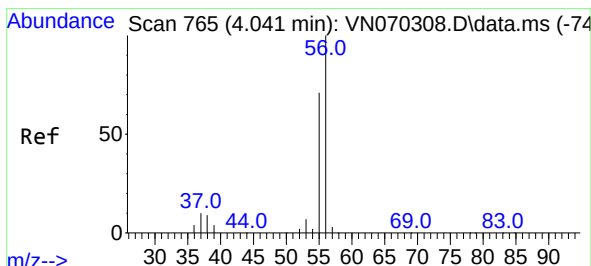
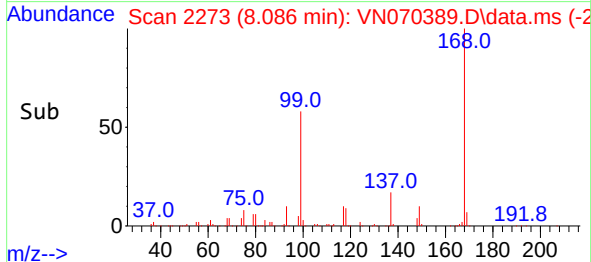
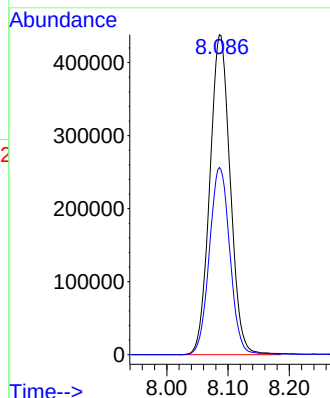
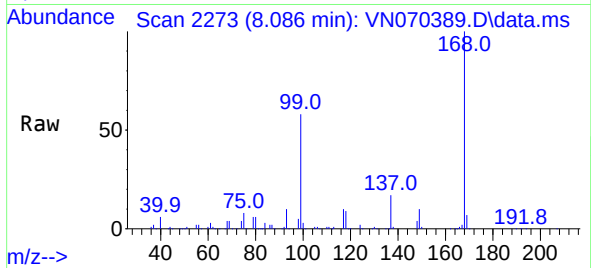




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

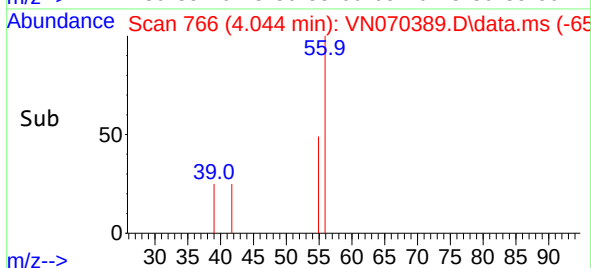
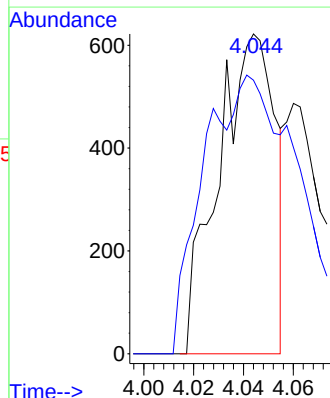
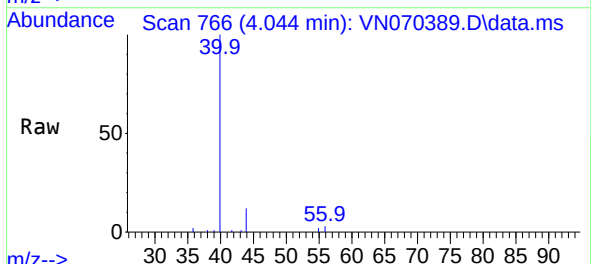
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

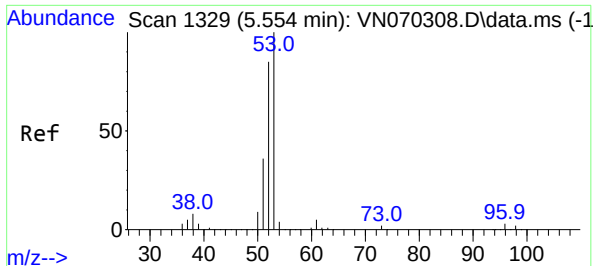
Tgt Ion:168 Resp: 1014859
Ion Ratio Lower Upper
168 100
99 58.5 41.3 61.9



#13
Acrolein
Concen: 0.499 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 56 Resp: 983
Ion Ratio Lower Upper
56 100
55 44.6 56.6 85.0#

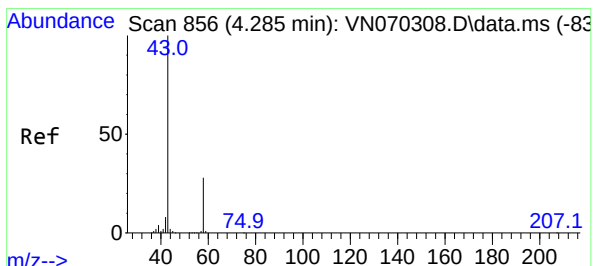
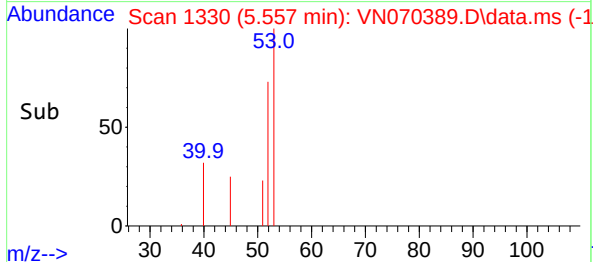
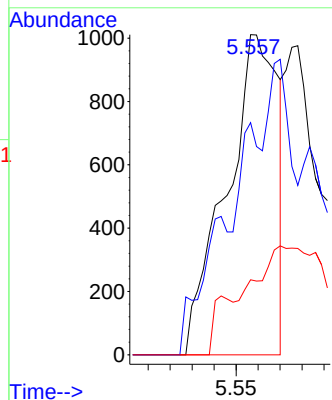
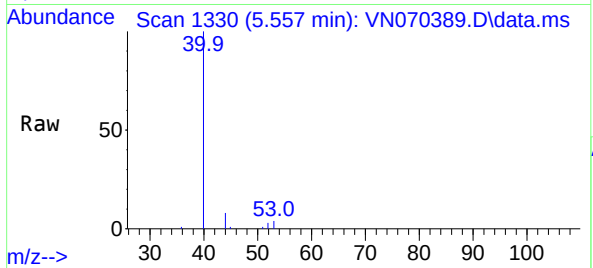




#15
Acrylonitrile
Concen: 0.215 ug/l
RT: 5.557 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

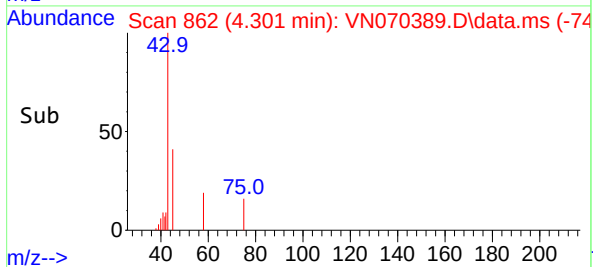
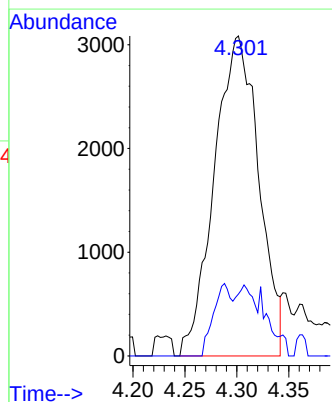
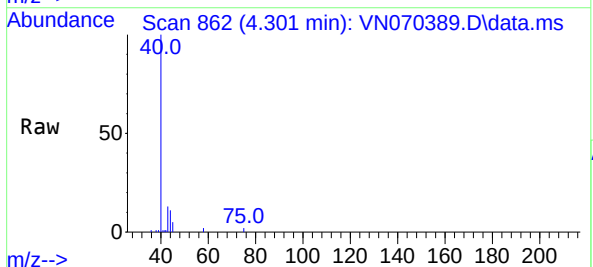
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

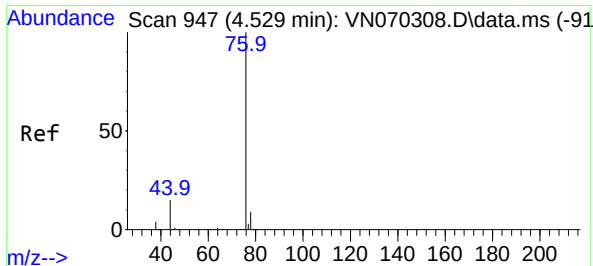
Tgt Ion: 53 Resp: 1627
Ion Ratio Lower Upper
53 100
52 16.5 66.2 99.2#
51 0.0 29.6 44.4#



#16
Acetone
Concen: 0.972 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 43 Resp: 9209
Ion Ratio Lower Upper
43 100
58 19.4 23.1 34.7#

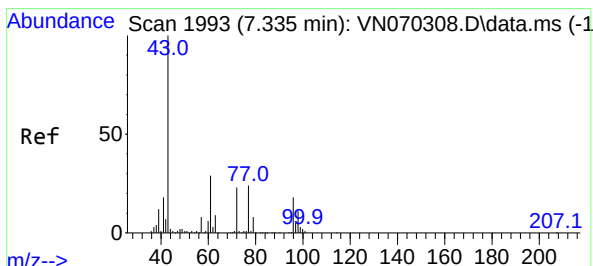
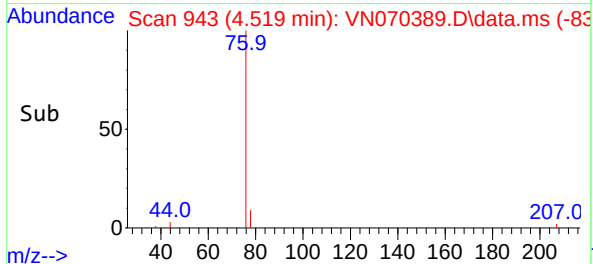
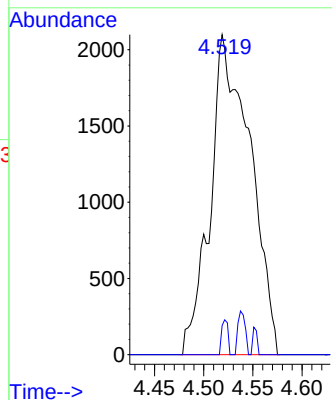
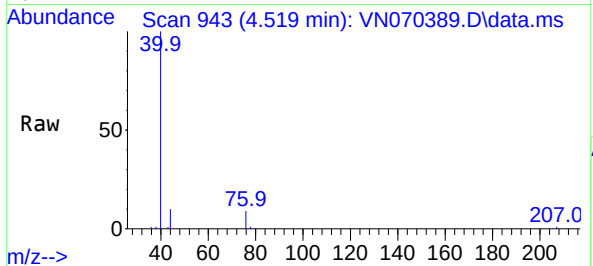




#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 4.519 min Scan# 947
Delta R.T. -0.010 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

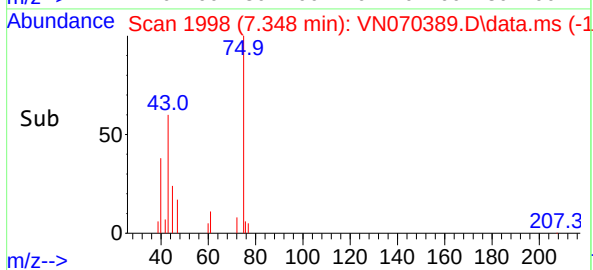
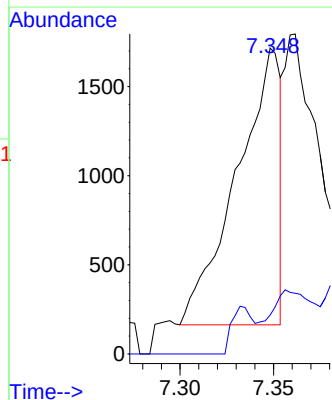
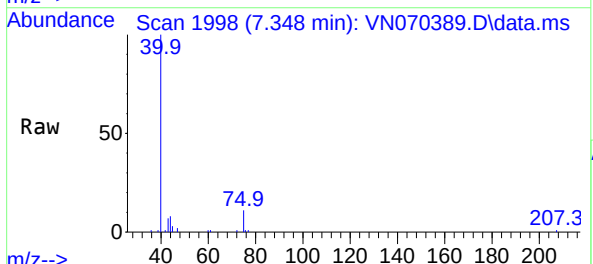
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

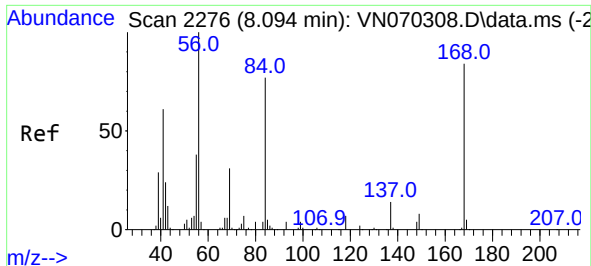
Tgt Ion: 76 Resp: 5924
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#25
2-Butanone
Concen: 0.210 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

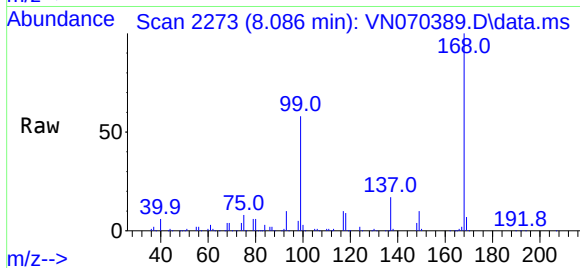
Tgt Ion: 43 Resp: 2500
Ion Ratio Lower Upper
43 100
72 14.0 21.7 32.5#



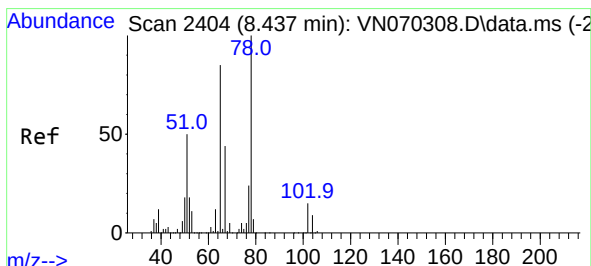
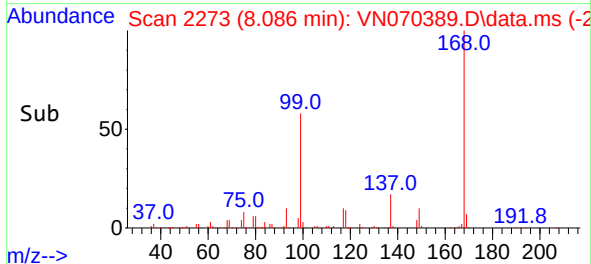
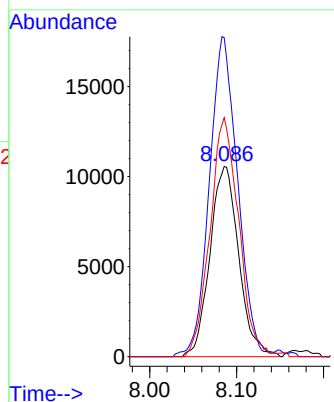


#31
Cyclohexane
Concen: 1.057 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Instrument :
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ClientSampleId :
VN1230MBL01

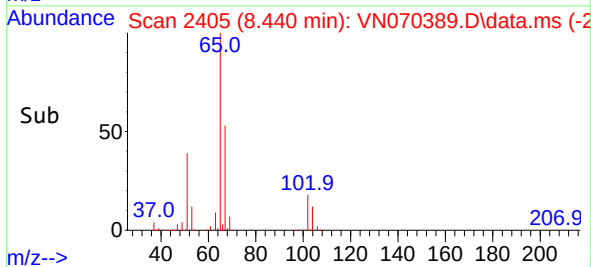
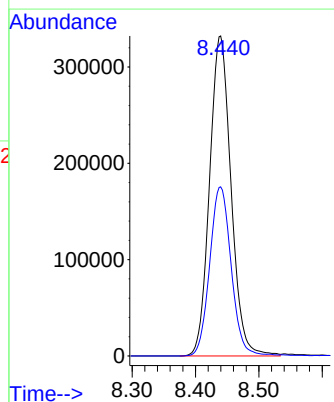
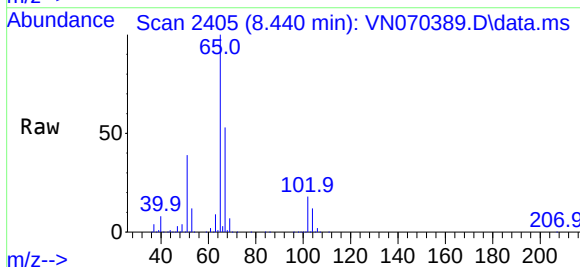


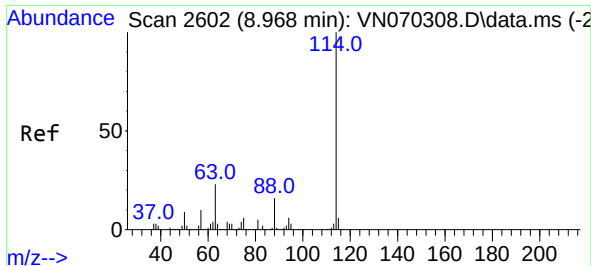
Tgt Ion: 56 Resp: 24342
Ion Ratio Lower Upper
56 100
69 165.2 27.1 40.7#
84 125.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.658 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 65 Resp: 782967
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0

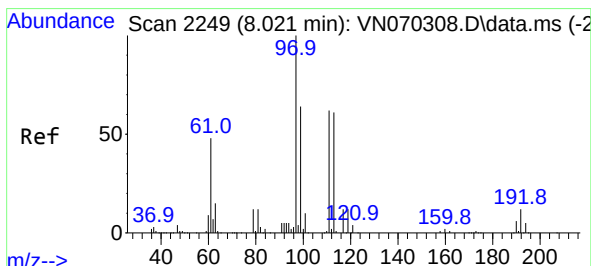
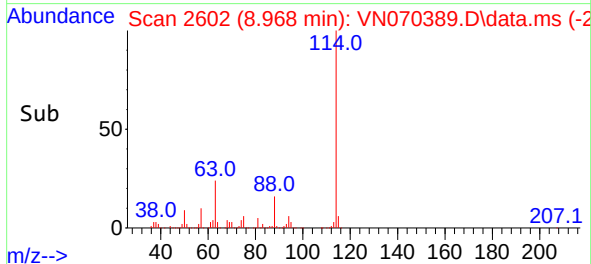
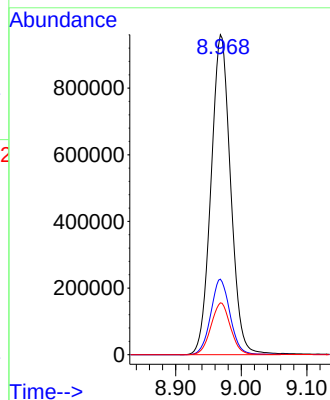
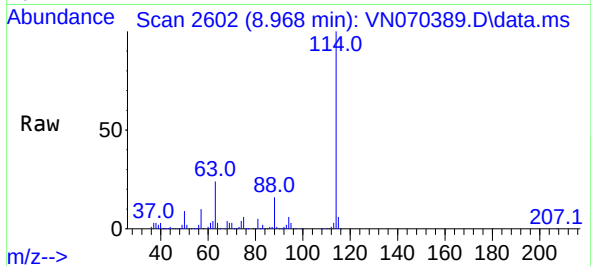




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 210
Delta R.T. 0.000 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

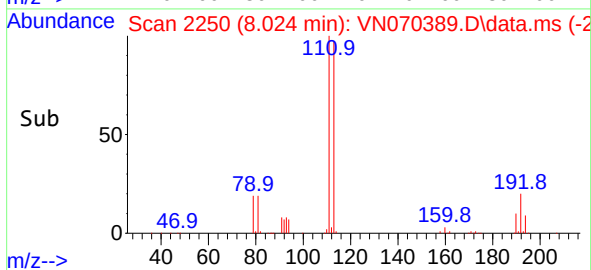
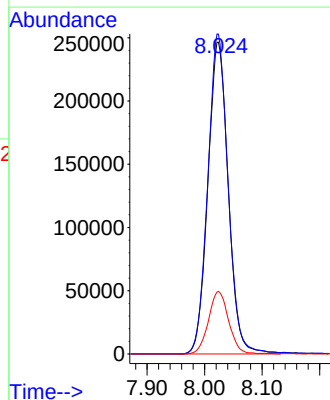
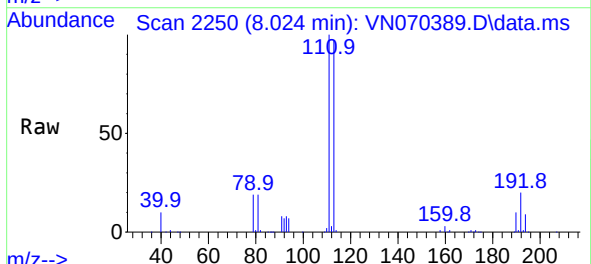
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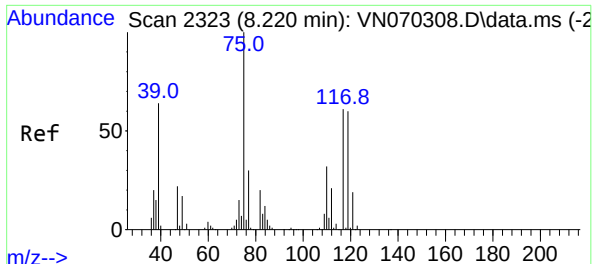
Tgt Ion:114 Resp: 1988362
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 50.420 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion:113 Resp: 606582
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.206 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.134 min

Lab File: VN070389.D

Acq: 30 Dec 2021 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1230MBL01

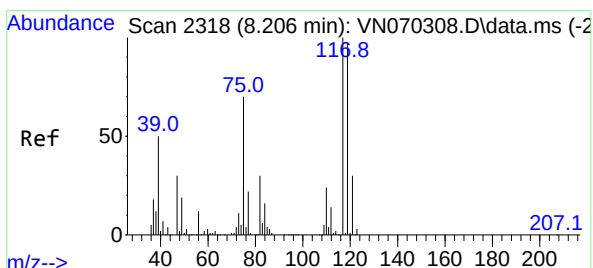
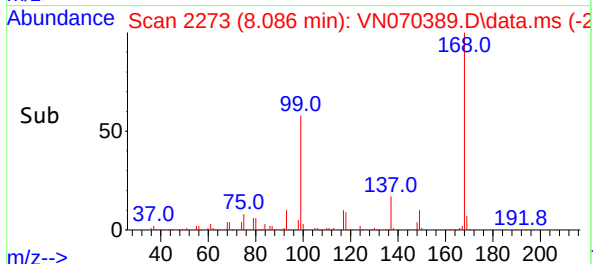
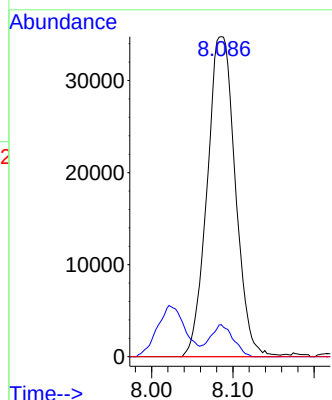
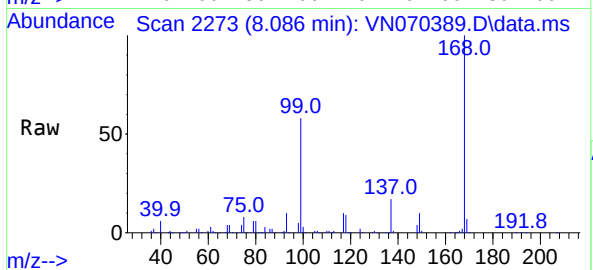
Tgt Ion: 75 Resp: 83703

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.257 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070389.D

Acq: 30 Dec 2021 10:27

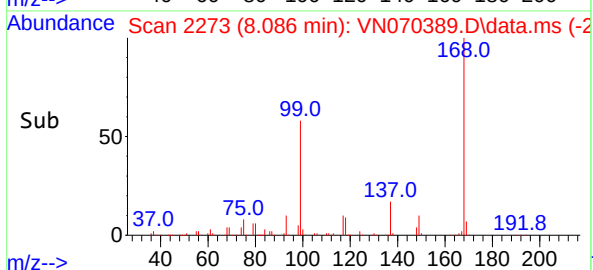
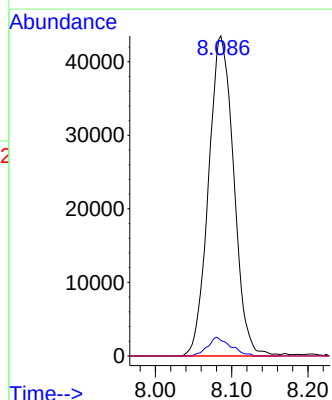
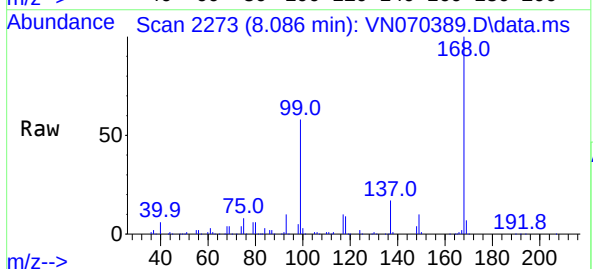
Tgt Ion: 117 Resp: 99895

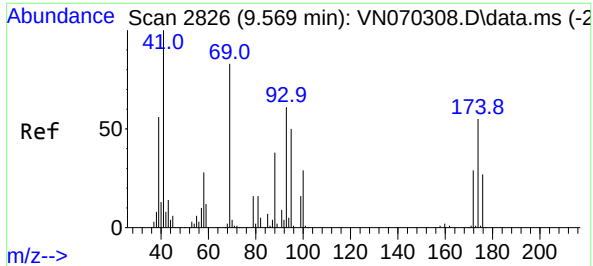
Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

121 0.0 24.2 36.2#

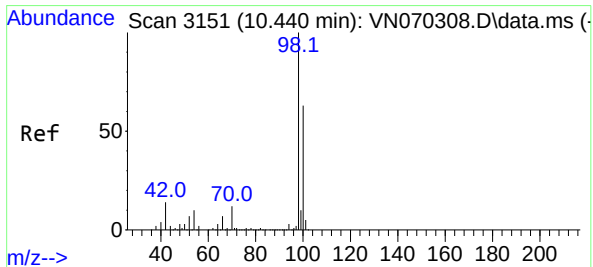
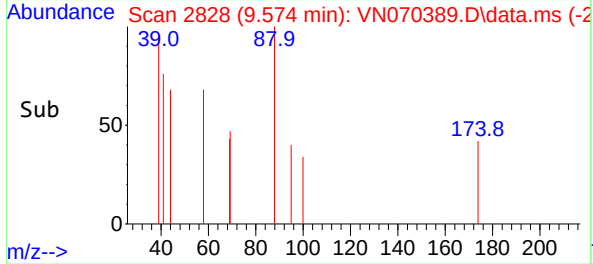
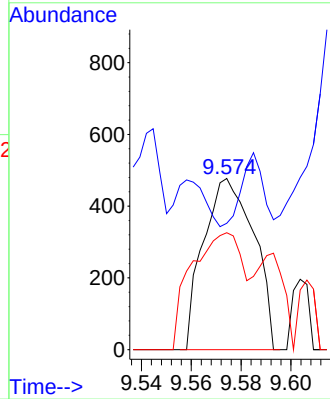
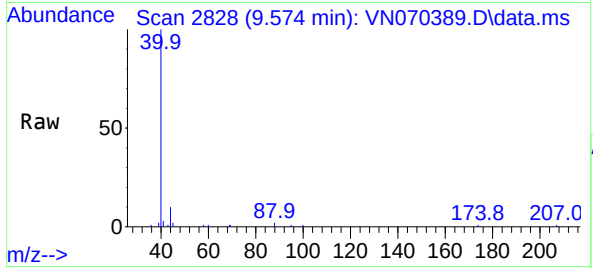




#49
1,4-Dioxane
Concen: 2.359 ug/l
RT: 9.574 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

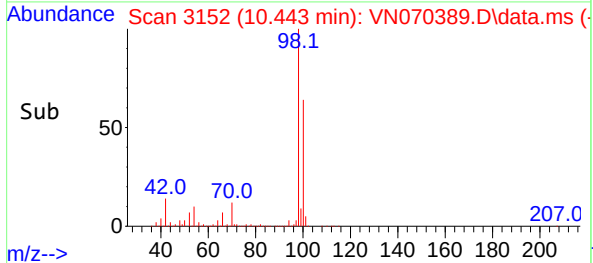
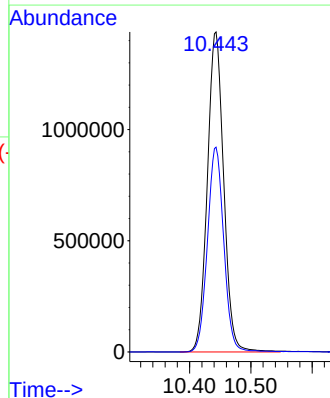
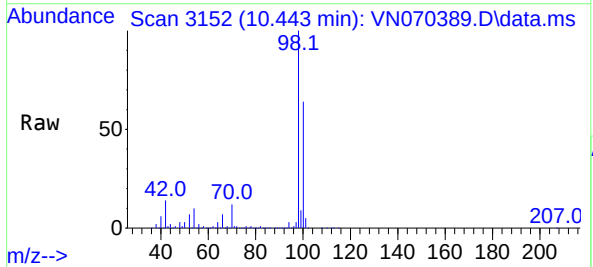
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

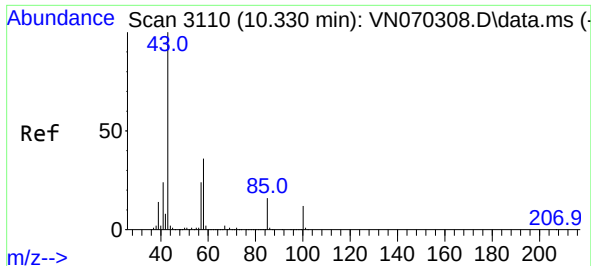
Tgt Ion: 88 Resp: 670
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 69.3 50.6 75.8



#50
Toluene-d8
Concen: 54.221 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 98 Resp: 2664732
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6

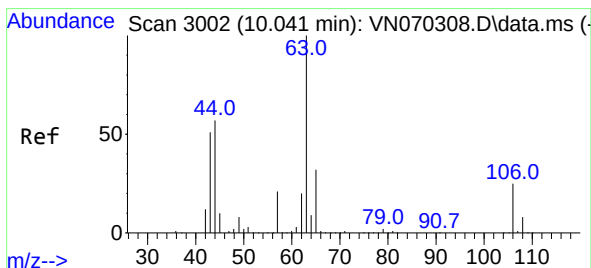
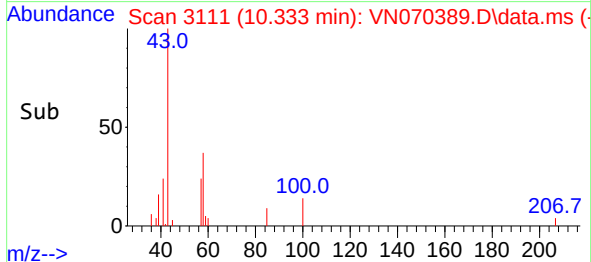
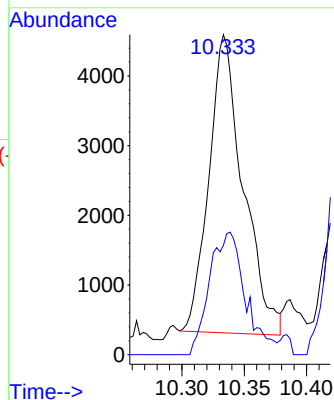
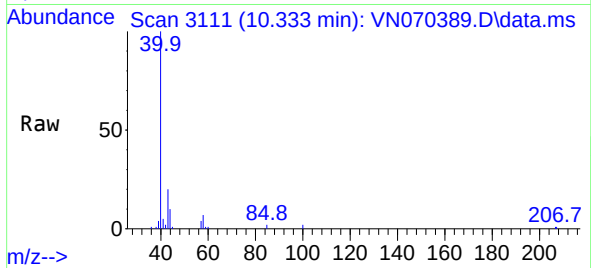




#51
4-Methyl-2-Pentanone
Concen: 0.320 ug/l
RT: 10.333 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

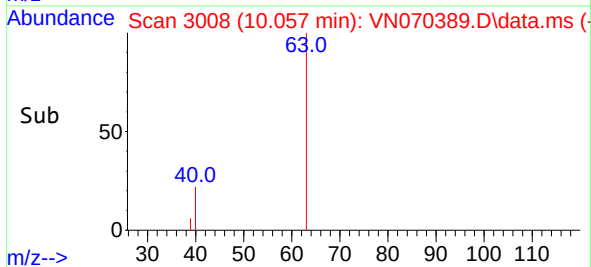
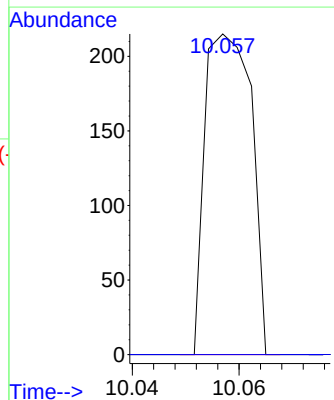
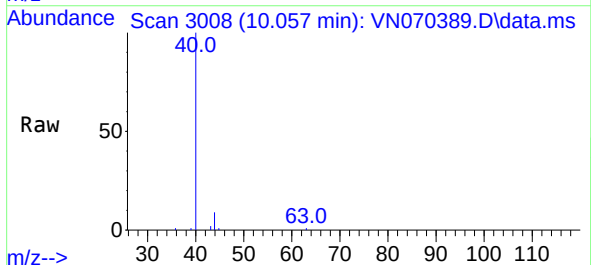
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

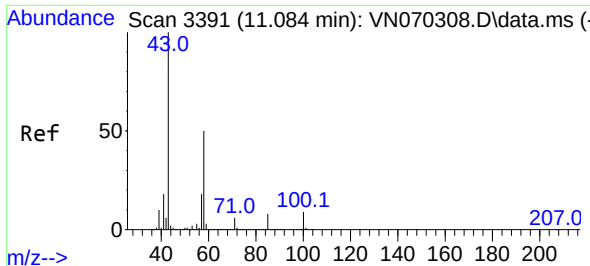
Tgt Ion: 43 Resp: 8178
Ion Ratio Lower Upper
43 100
58 43.0 30.4 45.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.532 ug/l
RT: 10.057 min Scan# 3008
Delta R.T. 0.016 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 63 Resp: 130
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

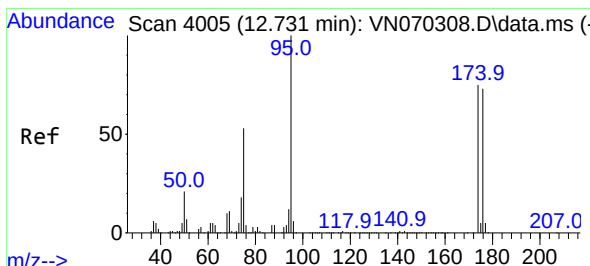
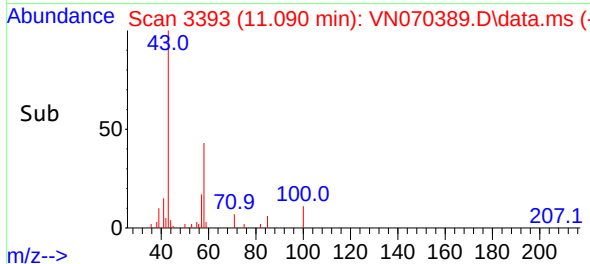
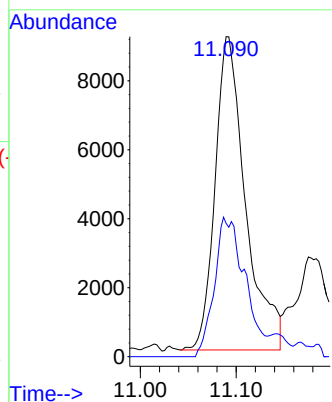
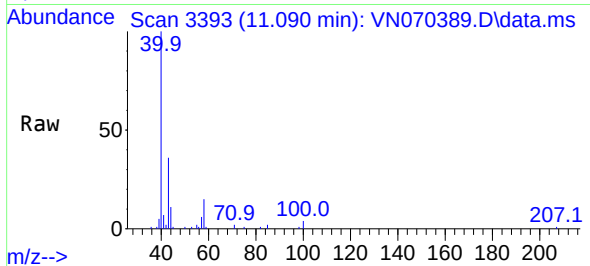




#59
2-Hexanone
Concen: 1.077 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

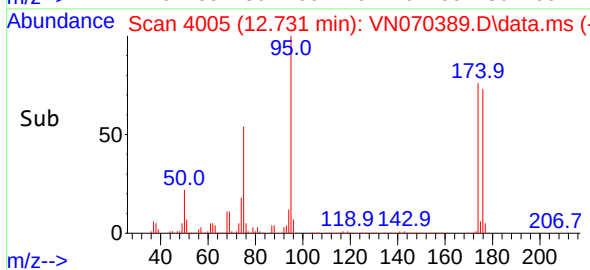
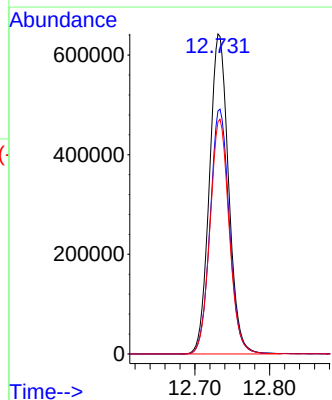
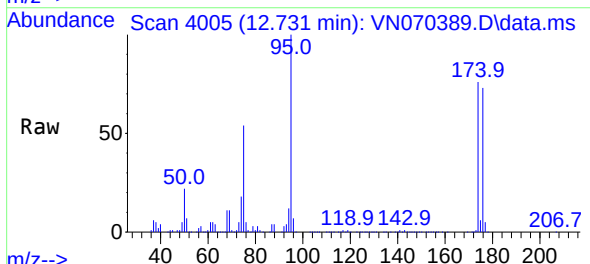
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

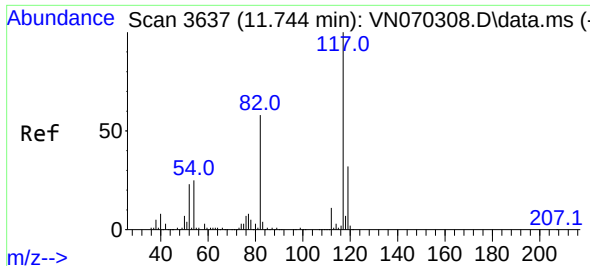
Tgt Ion: 43 Resp: 20071
Ion Ratio Lower Upper
43 100
58 44.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 64.199 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 95 Resp: 1139572
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 73.4 0.0 181.4

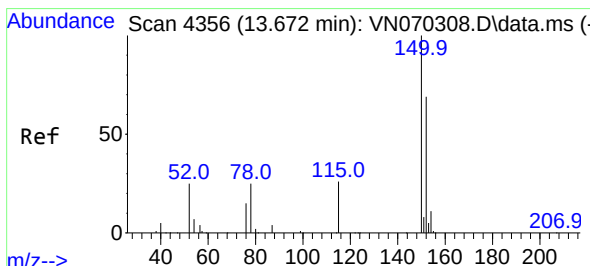
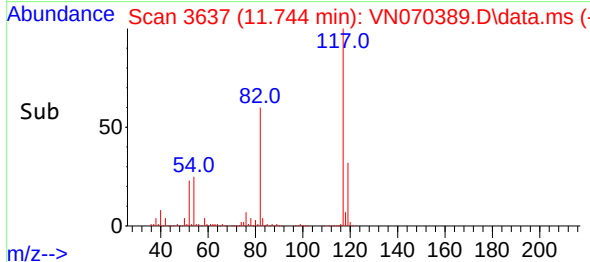
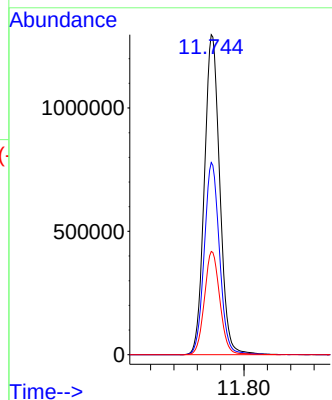
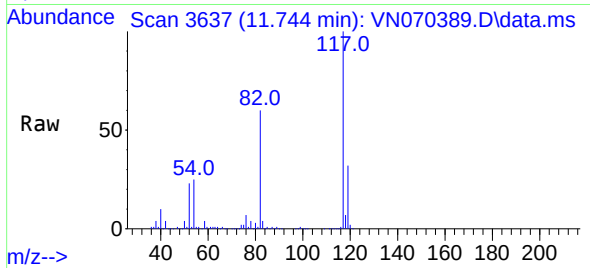




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

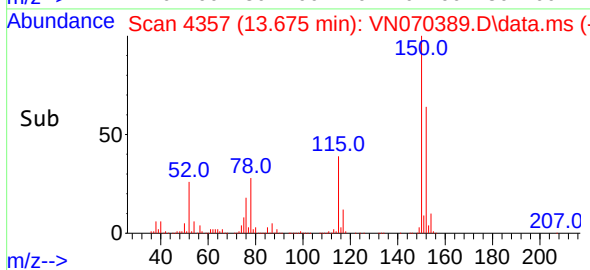
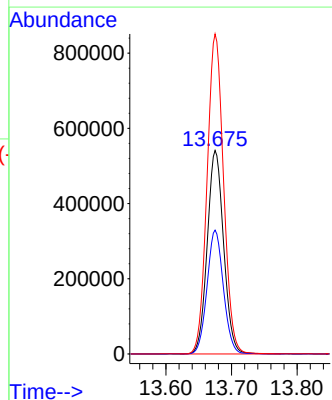
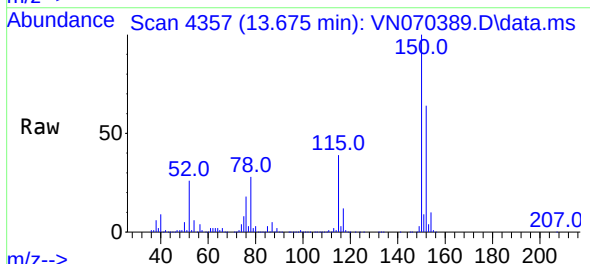
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

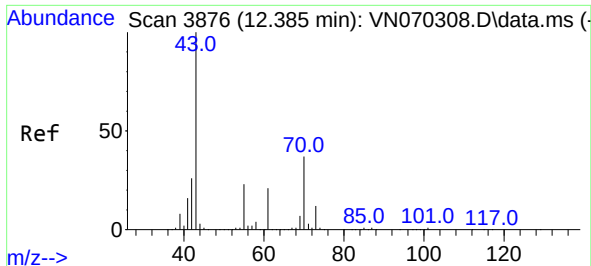
Tgt Ion:117 Resp: 2375832
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion:152 Resp: 939341
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.8 0.0 344.4

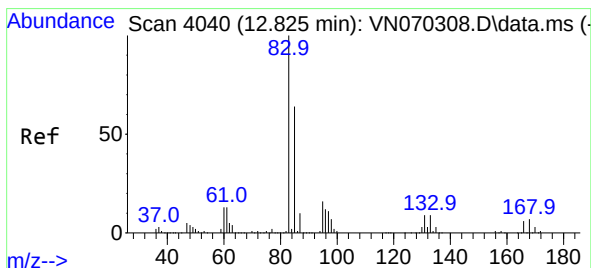
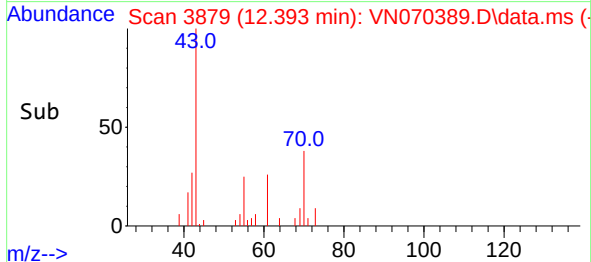
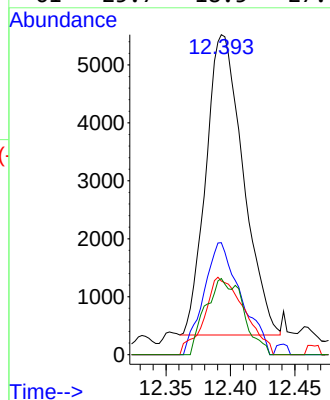
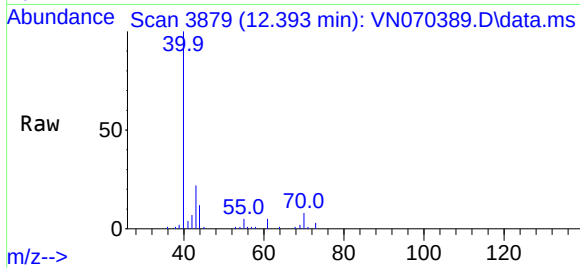




#74
N-amy1 acetate
Concen: 0.284 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.008 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

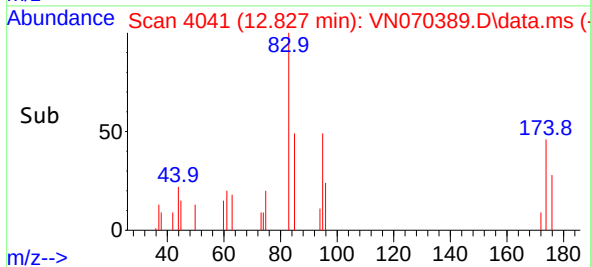
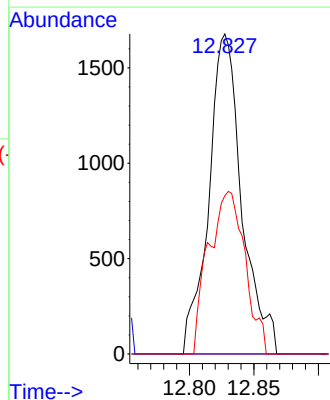
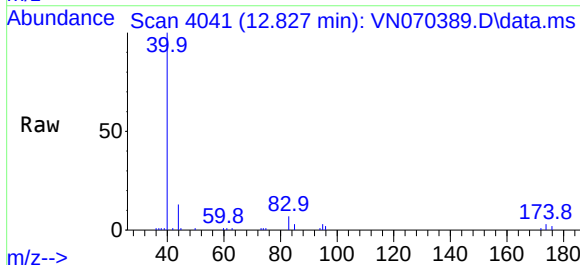
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

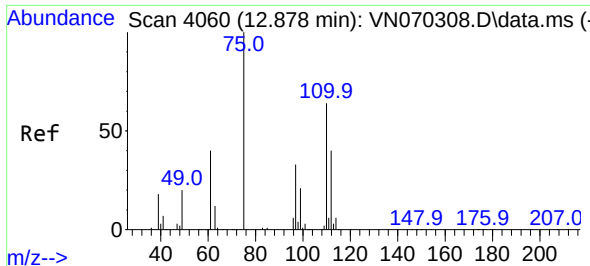
Tgt Ion: 43	Resp: 10403
Ion Ratio	Lower Upper
43 100	
70 37.1	33.4 50.0
55 27.8	19.3 28.9
61 25.7	18.5 27.7



#75
1,1,2,2-Tetrachloroethane
Concen: 0.541 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.002 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 83	Resp: 3008
Ion Ratio	Lower Upper
83 100	
131 0.0	5.5 16.5#
85 55.8	32.4 97.2

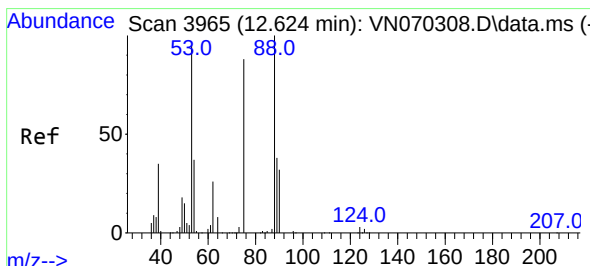
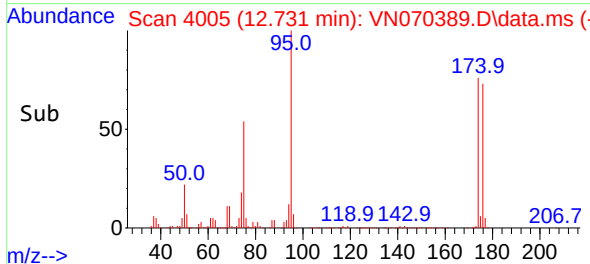
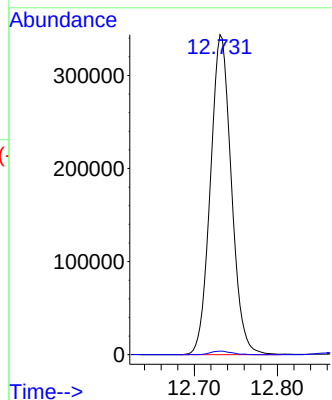
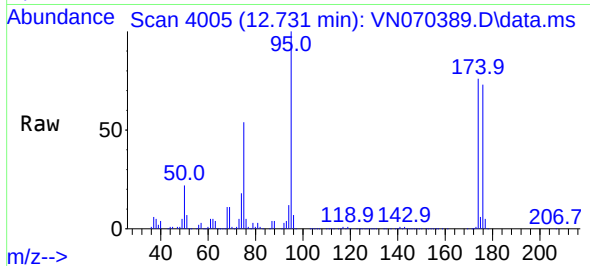




#76
1,2,3-Trichloropropane
Concen: 23.219 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

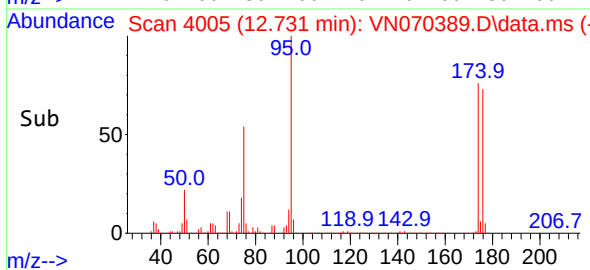
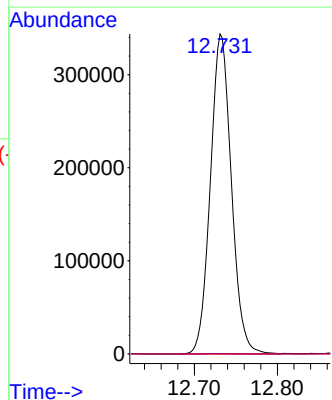
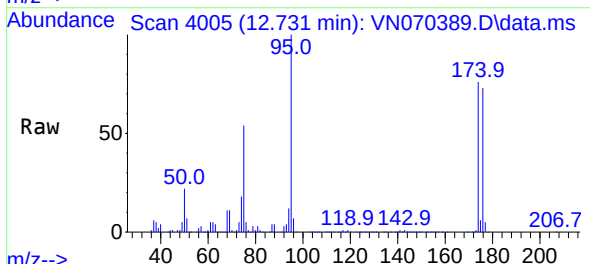
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

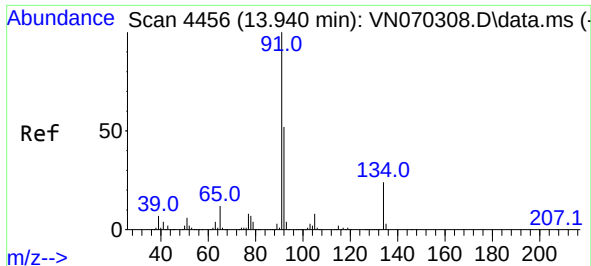
Tgt Ion: 75 Resp: 602629
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.382 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 75 Resp: 602629
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

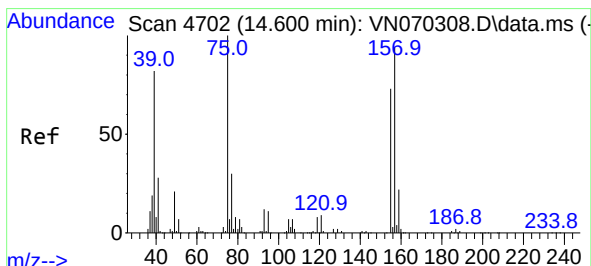
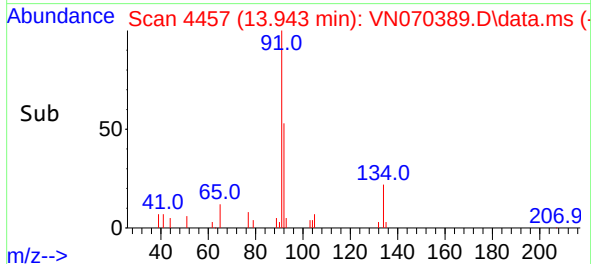
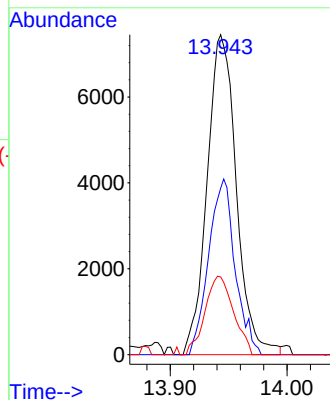
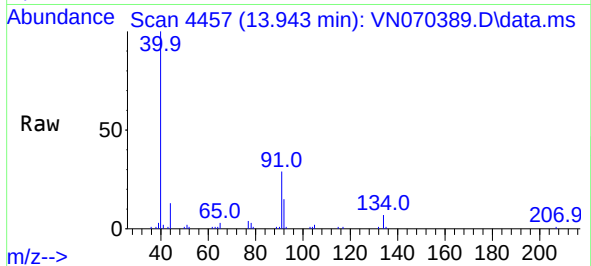




#89
n-Butylbenzene
Concen: 0.237 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

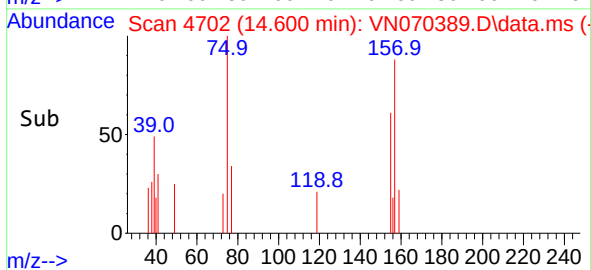
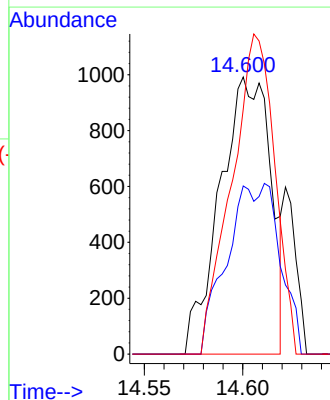
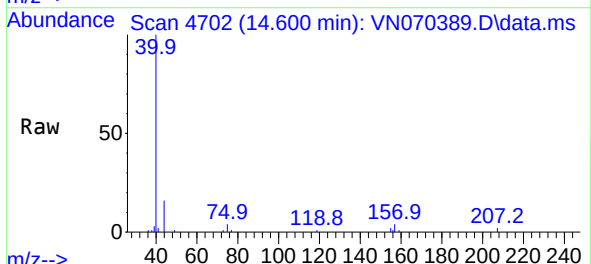
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

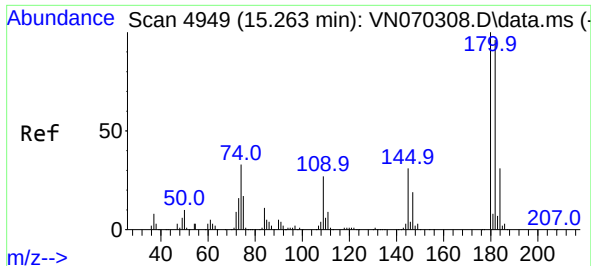
Tgt Ion: 91 Resp: 12976
Ion Ratio Lower Upper
91 100
92 49.6 25.4 76.0
134 23.9 13.6 40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.353 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. 0.000 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

Tgt Ion: 75 Resp: 1783
Ion Ratio Lower Upper
75 100
155 35.3 46.9 140.7#
157 98.0 60.6 181.7

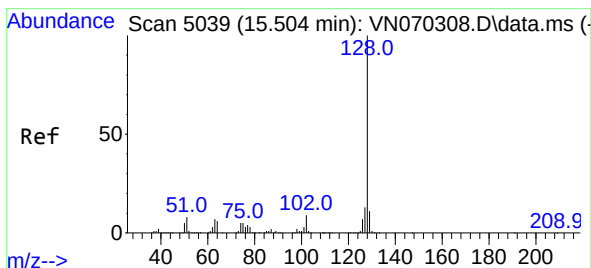
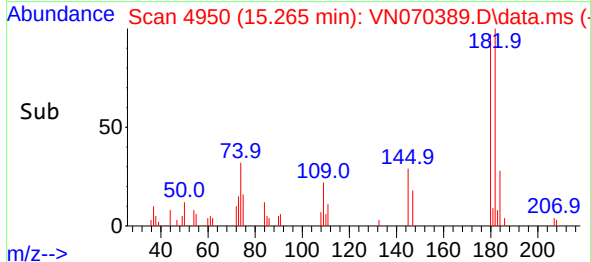
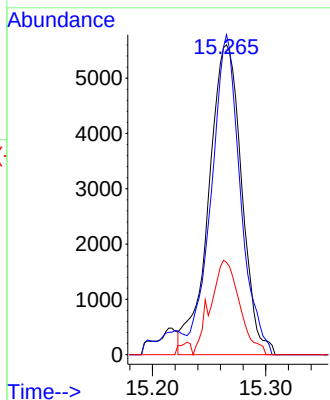
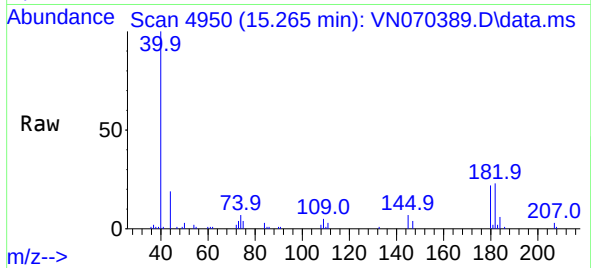




#93
1,2,4-Trichlorobenzene
Concen: 0.732 ug/l
RT: 15.265 min Scan# 4949
Delta R.T. 0.002 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

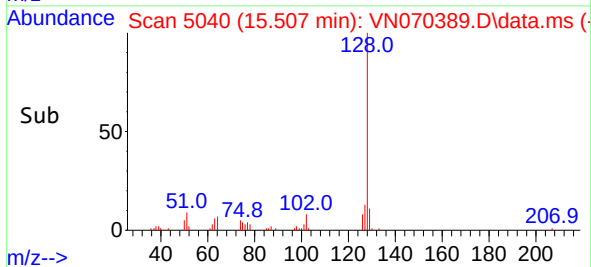
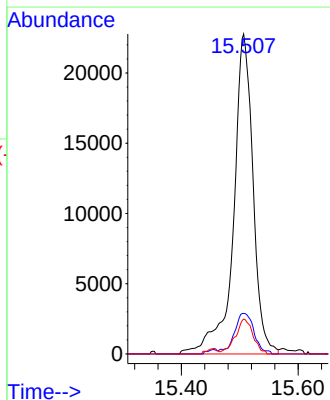
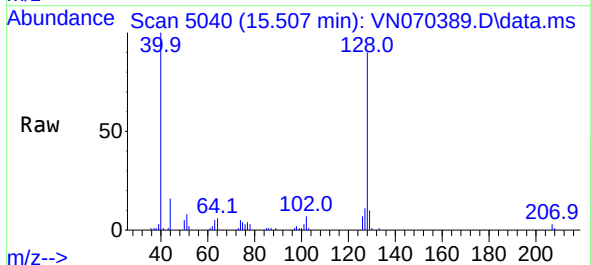
Instrument :
MSVOA_N
ClientSampleId :
VN1230MBL01

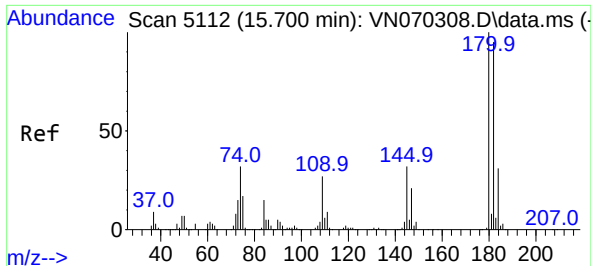
Tgt Ion:180	Resp:	11339	
Ion	Ratio	Lower	Upper
180	100		
182	90.5	48.3	144.9
145	26.8	14.5	43.5



#95
Naphthalene
Concen: 2.991 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070389.D
Acq: 30 Dec 2021 10:27

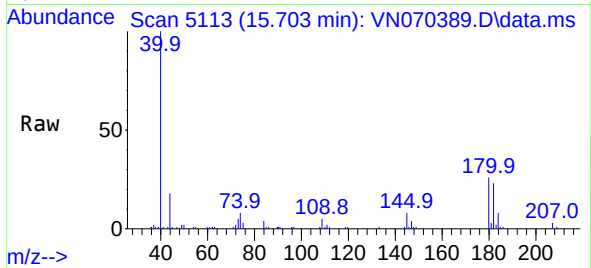
Tgt Ion:128	Resp:	53022	
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	9.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.811 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. 0.003 min
 Lab File: VN070389.D
 Acq: 30 Dec 2021 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1230MBL01



Tgt Ion:	180	Resp:	14831
Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.2
145	30.0	15.0	45.1

