

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011322\
 Data File : VN070603.D
 Acq On : 13 Jan 2022 11:20
 Operator : JC/MD
 Sample : VN0113MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113MBL01

Quant Time: Jan 14 04:52:03 2022
 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)

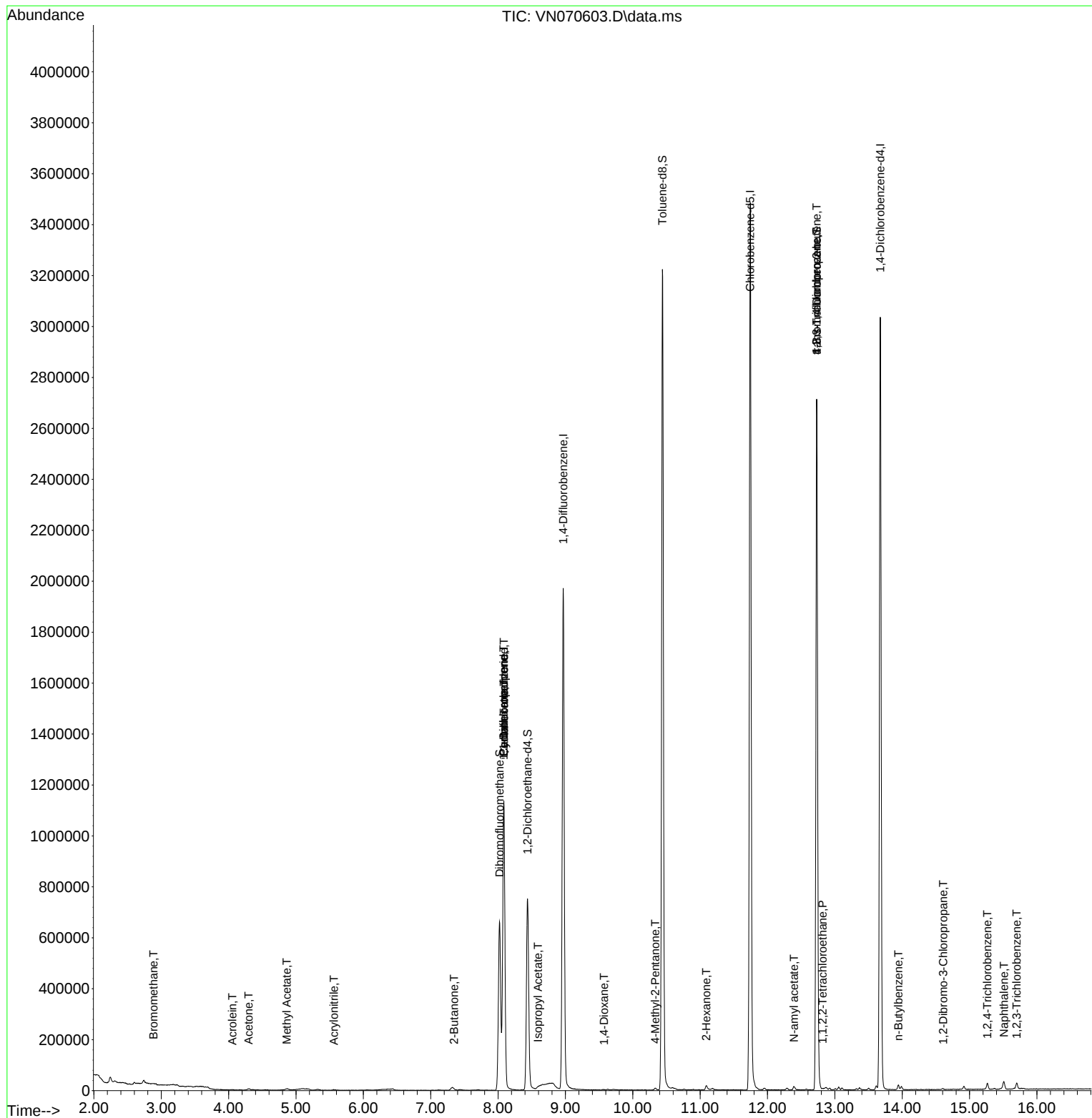
Internal Standards						
1) Pentafluorobenzene	8.086	168	871391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1708843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2052292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	838577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	643450	51.357	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.720%	
35) Dibromofluoromethane	8.021	113	495952	47.967	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.940%	
50) Toluene-d8	10.440	98	2292574	54.278	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.560%	
62) 4-Bromofluorobenzene	12.731	95	1006919	66.005	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 132.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.885	94	1500	0.237	ug/l	95
13) Acrolein	4.057	56	1067	0.630	ug/l #	76
15) Acrylonitrile	5.562	53	1399	0.215	ug/l #	56
16) Acetone	4.296	43	4352	0.535	ug/l	92
18) Methyl Acetate	4.862	43	10667	0.453	ug/l #	60
25) 2-Butanone	7.348	43	3378	0.330	ug/l #	78
31) Cyclohexane	8.086	56	19632	0.993	ug/l #	4
36) 1,1-Dichloropropene	8.083	75	69434	4.060	ug/l #	42
38) Carbon Tetrachloride	8.086	117	85035	5.207	ug/l #	17
43) Isopropyl Acetate	8.592	43	8449	0.242	ug/l #	55
49) 1,4-Dioxane	9.574	88	213	0.873	ug/l #	31
51) 4-Methyl-2-Pentanone	10.333	43	6456	0.294	ug/l	94
59) 2-Hexanone	11.092	43	14069	0.878	ug/l	90
74) N-amyl acetate	12.393	43	10084	0.308	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.819	83	1109	0.486	ug/l #	69
76) 1,2,3-Trichloropropane	12.731	75	515853	22.376	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	515853	75.157	ug/l #	5
89) n-Butylbenzene	13.943	91	10645	0.218	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.608	75	1469	0.326	ug/l	62
93) 1,2,4-Trichlorobenzene	15.265	180	8530	0.617	ug/l	97
95) Naphthalene	15.509	128	30882	2.576	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	10893	1.636	ug/l	96

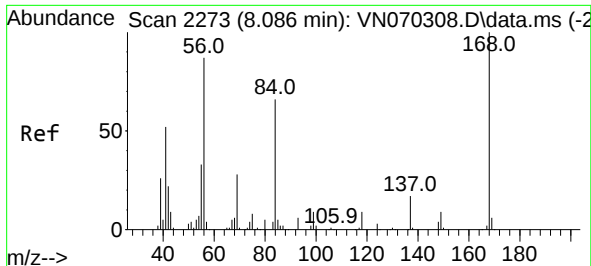
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 27 18:47:12 2021
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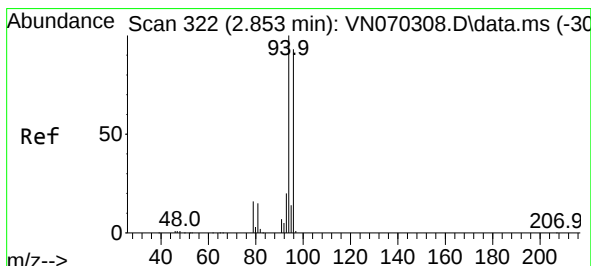
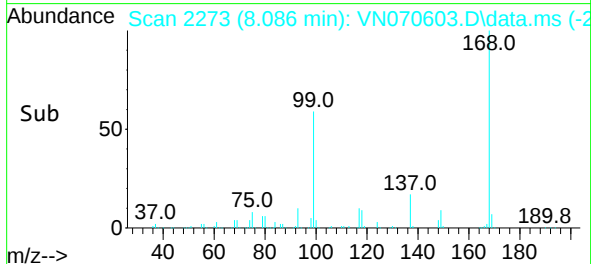
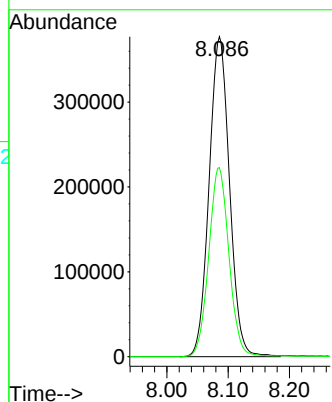
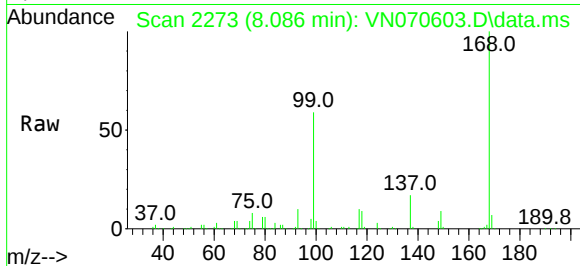




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

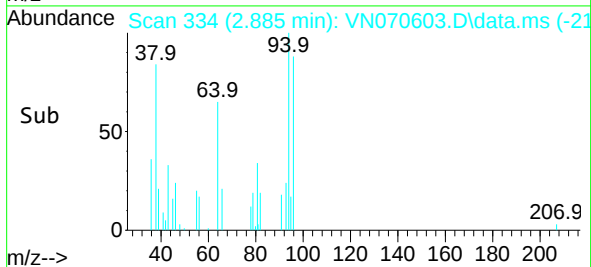
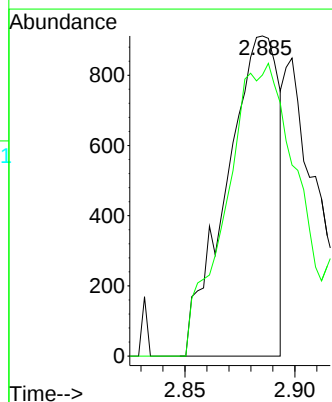
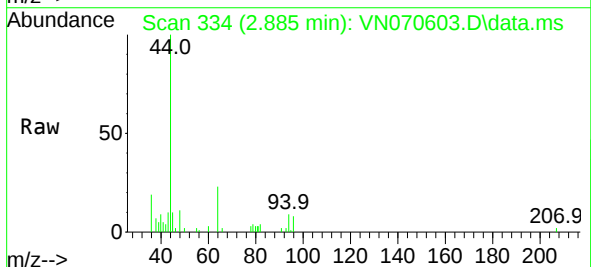
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

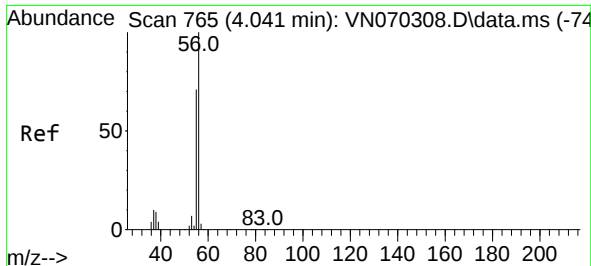
Tgt Ion:168 Resp: 871391
Ion Ratio Lower Upper
168 100
99 59.1 41.3 61.9



#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.032 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 94 Resp: 1500
Ion Ratio Lower Upper
94 100
96 87.8 73.8 110.8

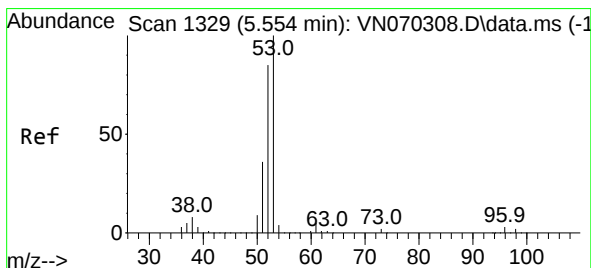
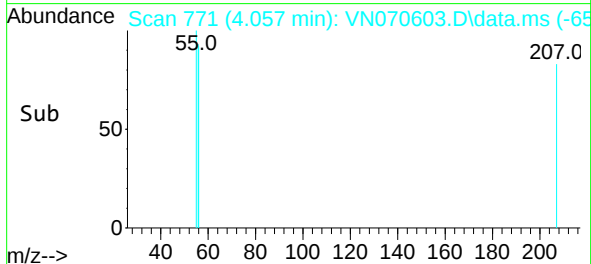
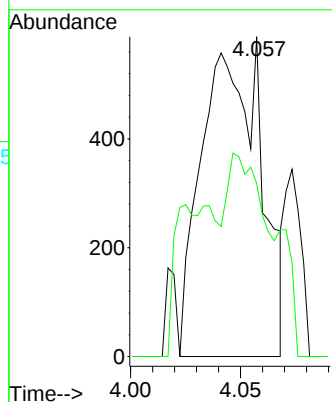
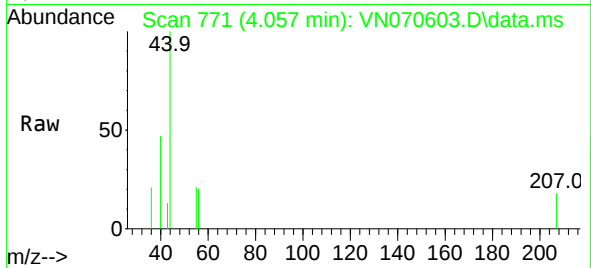




#13
Acrolein
Concen: 0.630 ug/l
RT: 4.057 min Scan# 71
Delta R.T. 0.016 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

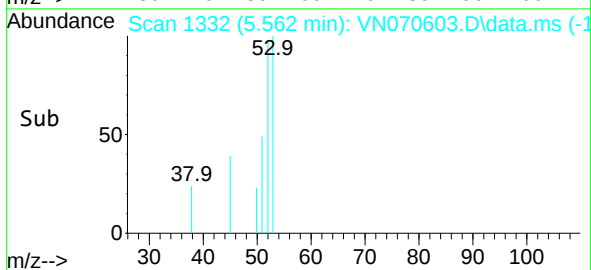
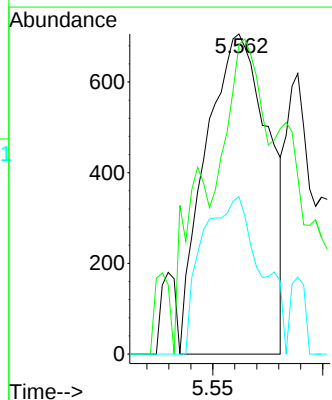
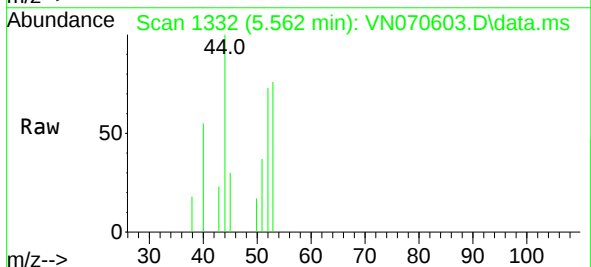
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

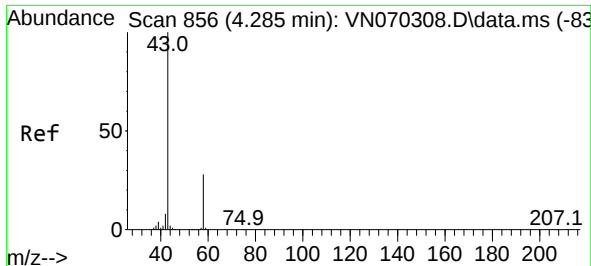
Tgt Ion: 56 Resp: 1067
Ion Ratio Lower Upper
56 100
55 51.1 56.6 85.0#



#15
Acrylonitrile
Concen: 0.215 ug/l
RT: 5.562 min Scan# 1332
Delta R.T. 0.008 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 53 Resp: 1399
Ion Ratio Lower Upper
53 100
52 30.9 66.2 99.2#
51 45.7 29.6 44.4#

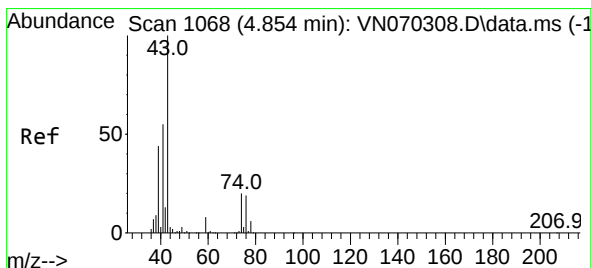
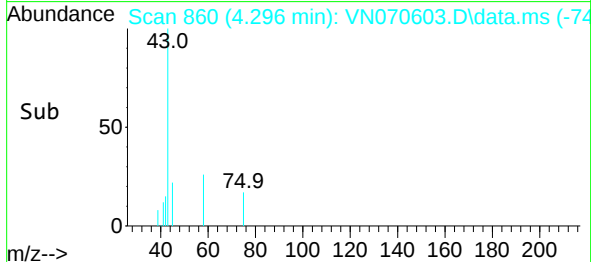
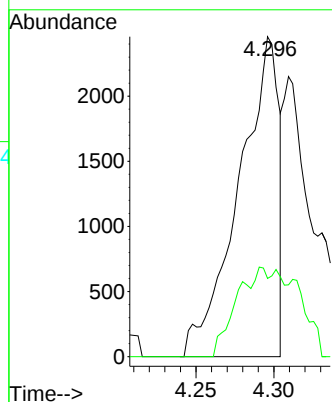
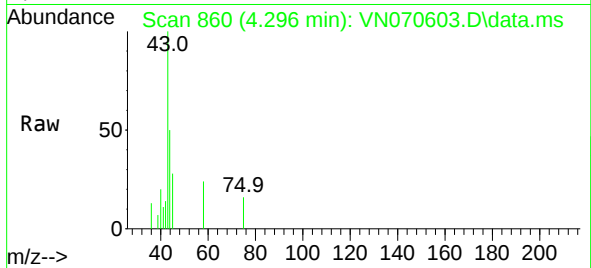




#16
Acetone
Concen: 0.535 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

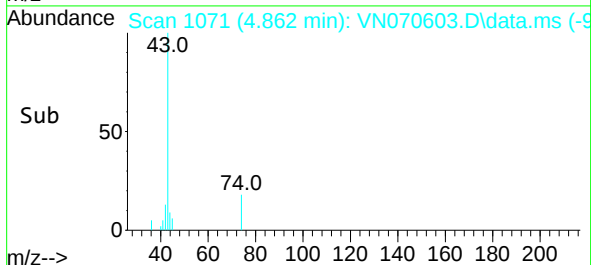
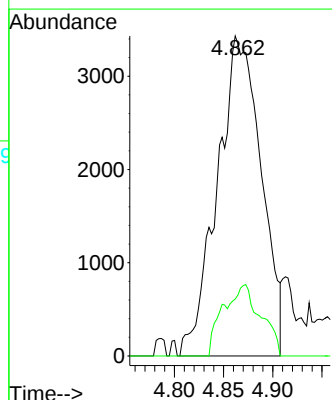
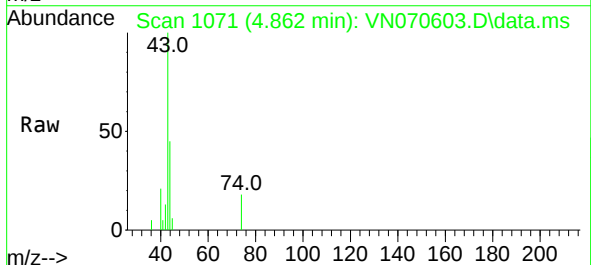
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

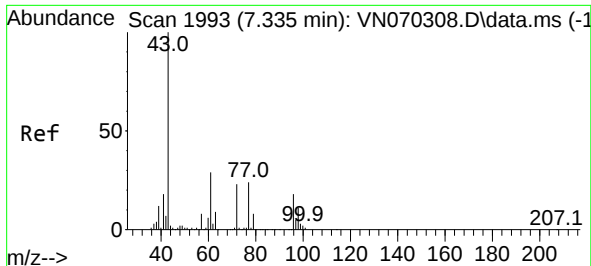
Tgt Ion: 43 Resp: 4352
Ion Ratio Lower Upper
43 100
58 24.4 23.1 34.7



#18
Methyl Acetate
Concen: 0.453 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 43 Resp: 10667
Ion Ratio Lower Upper
43 100
74 4.6 19.4 29.2#





#25

2-Butanone

Concen: 0.330 ug/l

RT: 7.348 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VN070603.D

Acq: 13 Jan 2022 11:20

Instrument :

MSVOA_N

ClientSampleId :

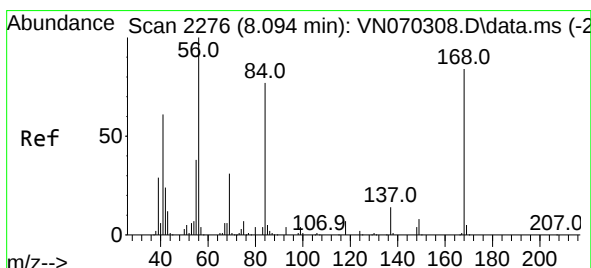
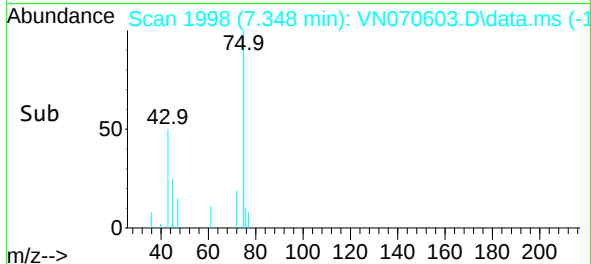
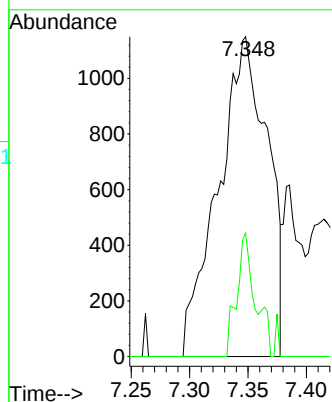
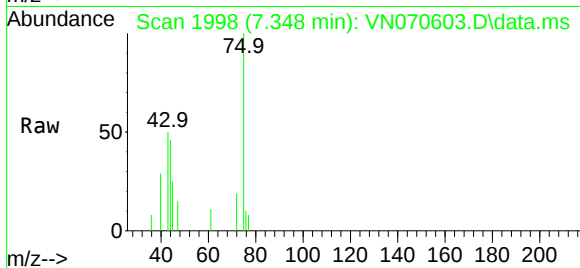
VN0113MBL01

Tgt Ion: 43 Resp: 3378

Ion Ratio Lower Upper

43 100

72 38.7 21.7 32.5#



#31

Cyclohexane

Concen: 0.993 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070603.D

Acq: 13 Jan 2022 11:20

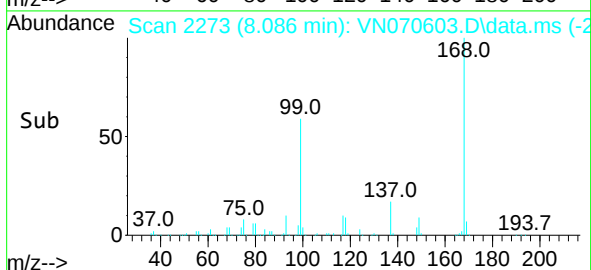
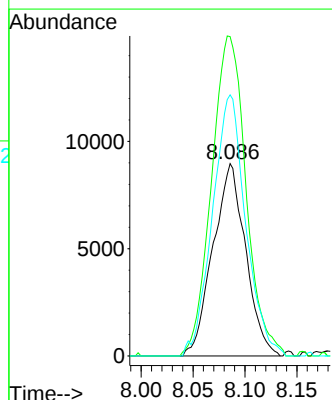
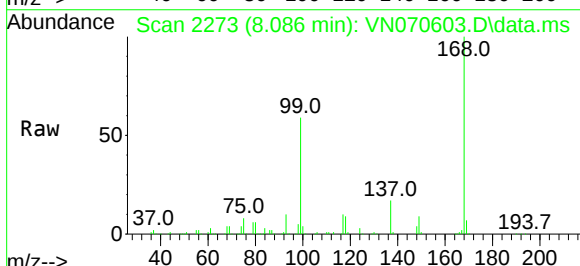
Tgt Ion: 56 Resp: 19632

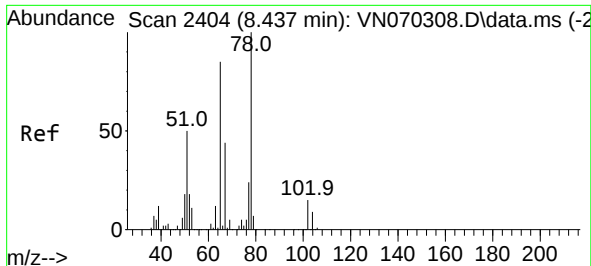
Ion Ratio Lower Upper

56 100

69 166.1 27.1 40.7#

84 135.8 73.4 110.0#

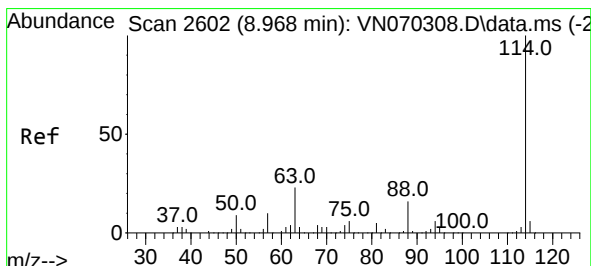
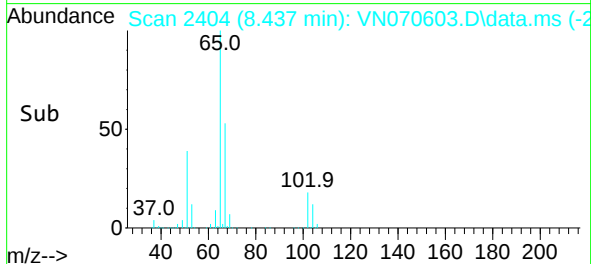
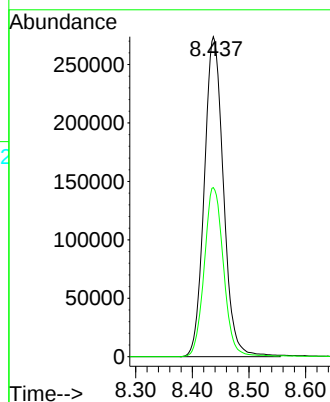
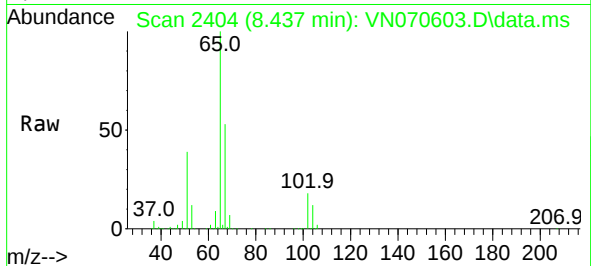




#33
 1,2-Dichloroethane-d4
 Concen: 51.357 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. -0.000 min
 Lab File: VN070603.D
 Acq: 13 Jan 2022 11:20

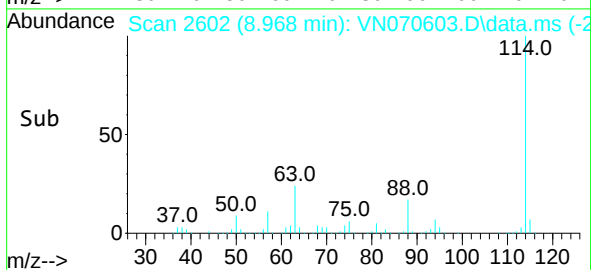
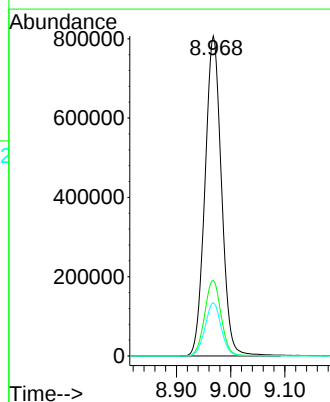
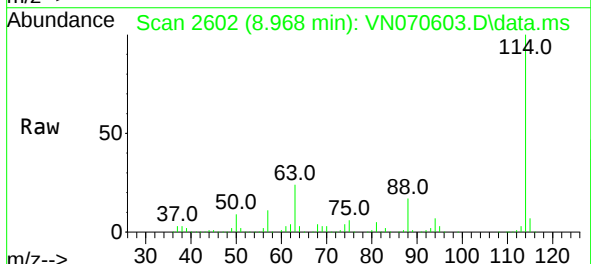
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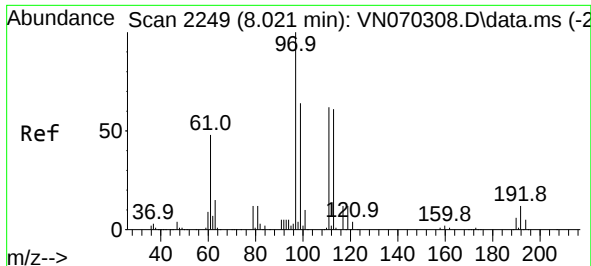
Tgt Ion: 65 Resp: 643450
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN070603.D
 Acq: 13 Jan 2022 11:20

Tgt Ion: 114 Resp: 1708843
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 37.8
 88 16.6 0.0 27.4

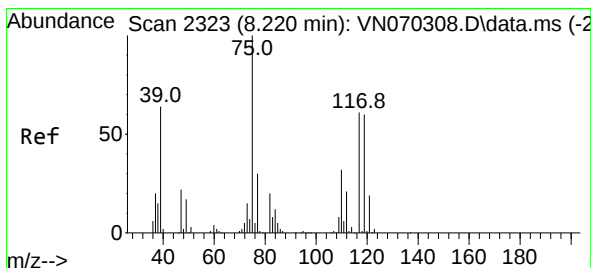
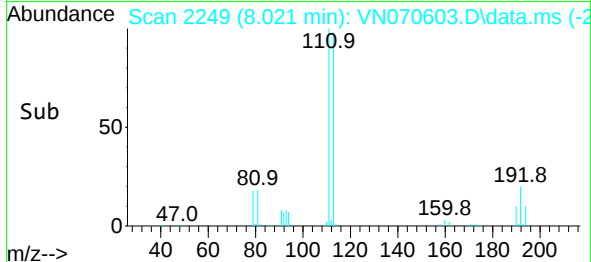
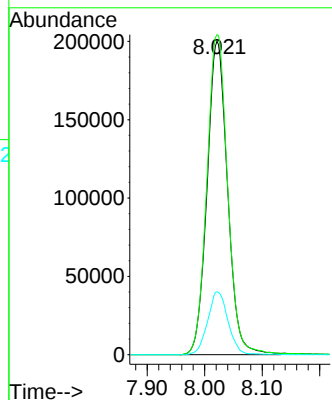
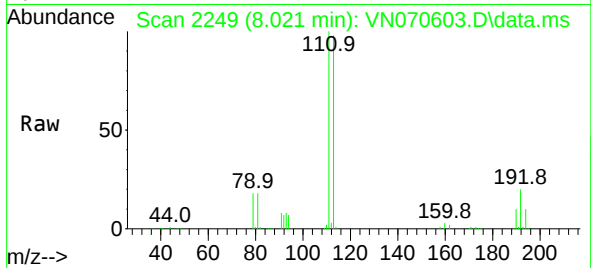




#35
Dibromofluoromethane
Concen: 47.967 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

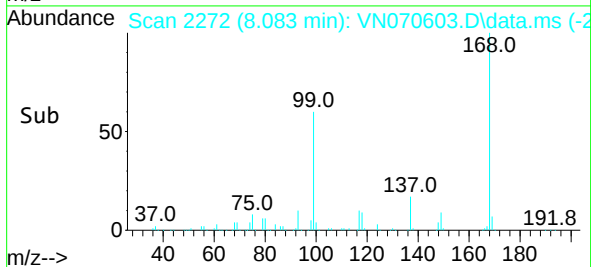
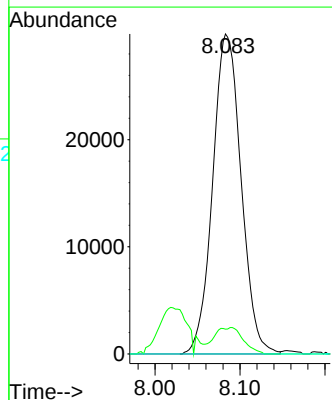
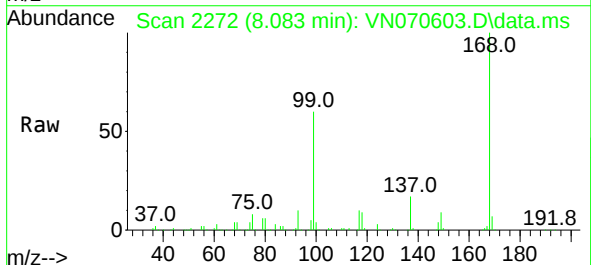
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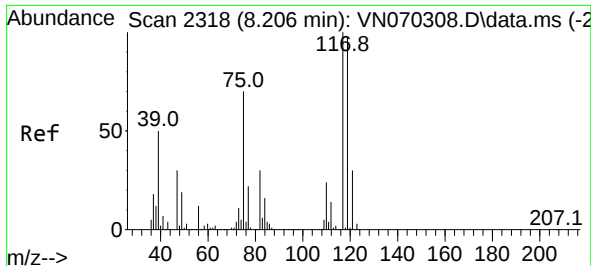
Tgt Ion:113 Resp: 495952
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.060 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 75 Resp: 69434
Ion Ratio Lower Upper
75 100
110 1.8 18.4 55.2#
77 0.0 24.4 36.6#

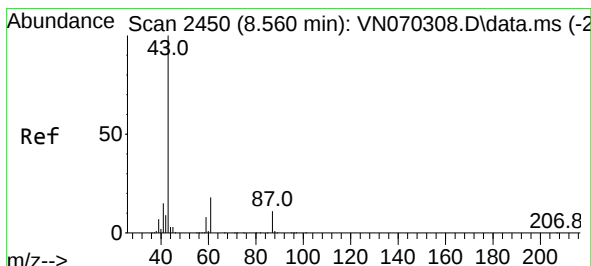
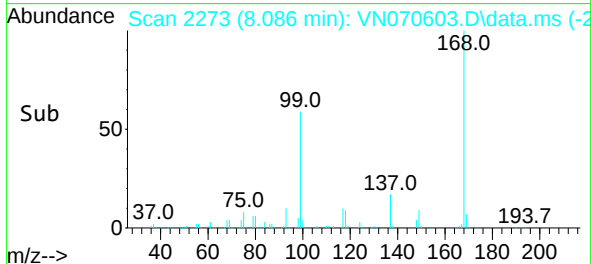
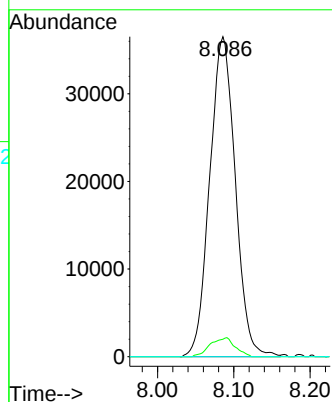
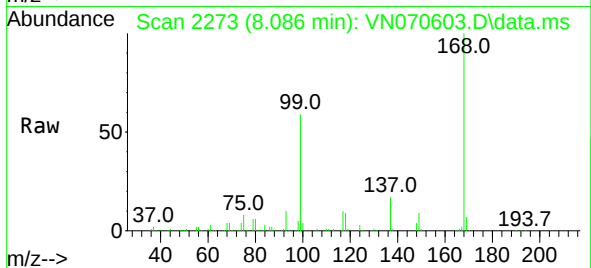




#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

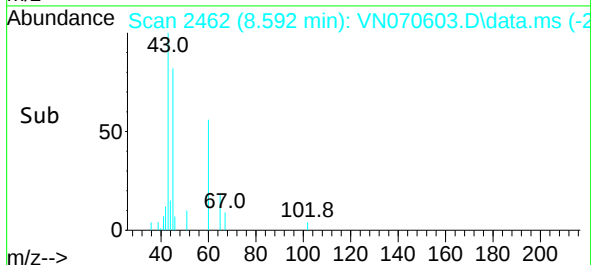
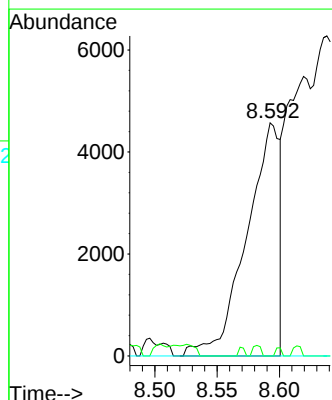
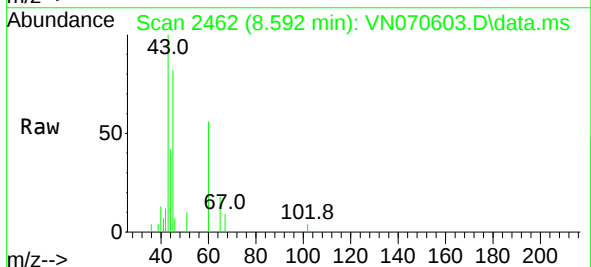
Instrument :
MSVOA_N
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VN0113MBL01

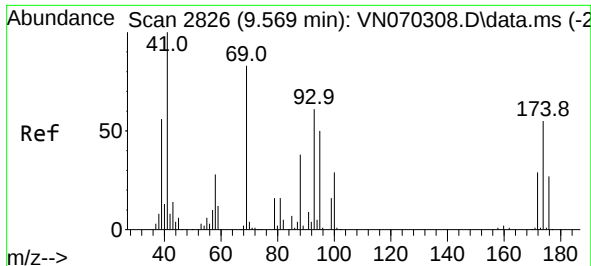
Tgt Ion:117 Resp: 85035
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.242 ug/l
RT: 8.592 min Scan# 2462
Delta R.T. 0.032 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 43 Resp: 8449
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#





#49

1,4-Dioxane

Concen: 0.873 ug/l

RT: 9.574 min Scan# 213

Delta R.T. 0.005 min

Lab File: VN070603.D

Acq: 13 Jan 2022 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0113MBL01

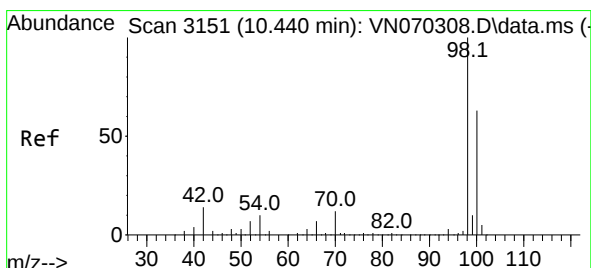
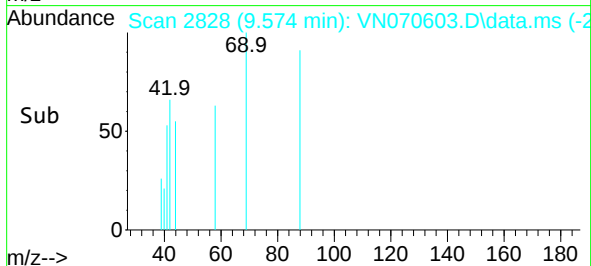
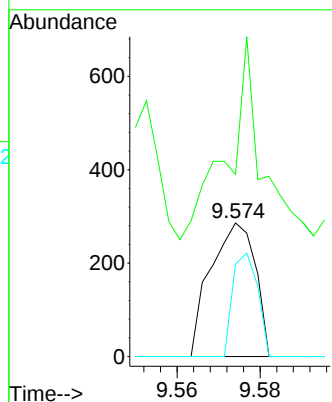
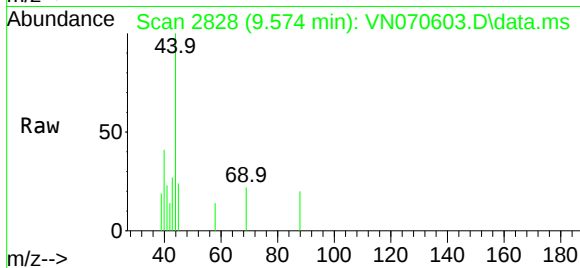
Tgt Ion: 88 Resp: 213

Ion Ratio Lower Upper

88 100

43 116.0 23.4 35.2#

58 43.2 50.6 75.8#



#50

Toluene-d8

Concen: 54.278 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070603.D

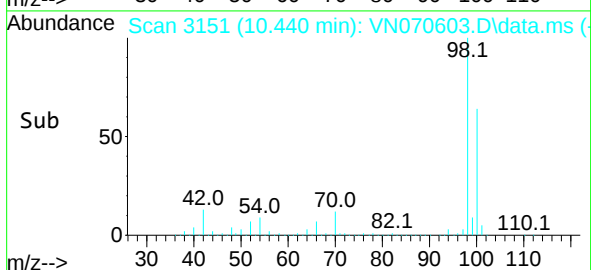
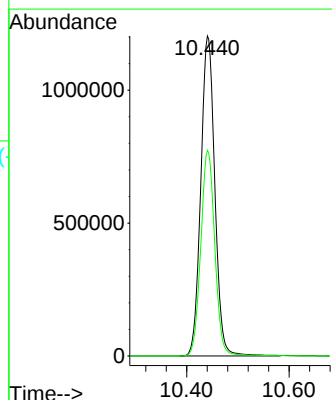
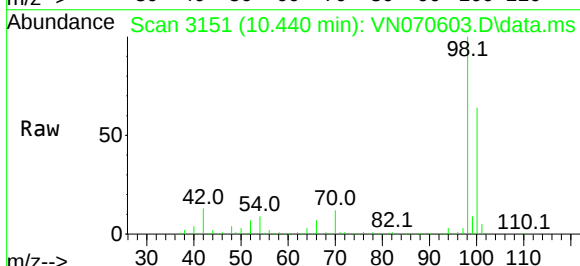
Acq: 13 Jan 2022 11:20

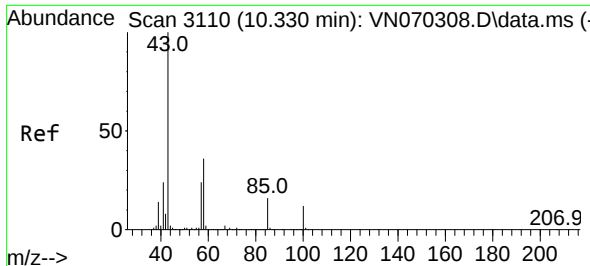
Tgt Ion: 98 Resp: 2292574

Ion Ratio Lower Upper

98 100

100 63.9 50.4 75.6

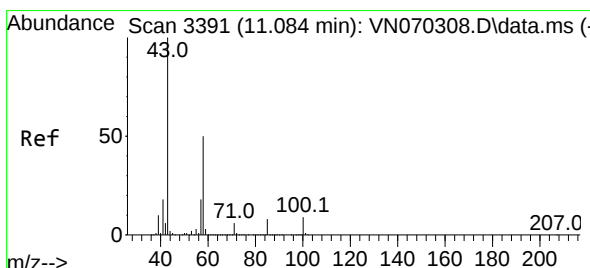
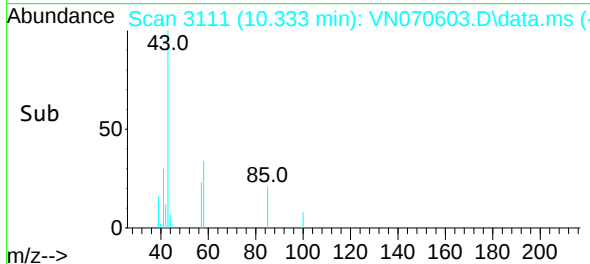
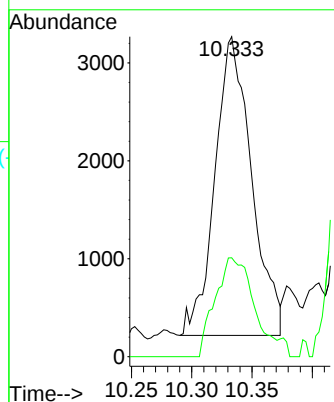
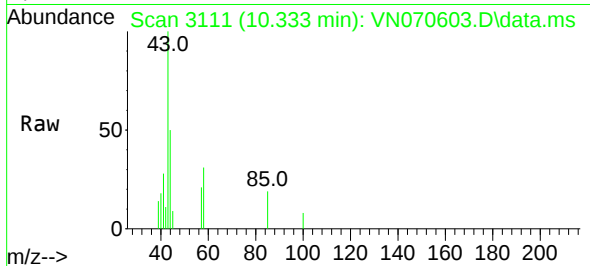




#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

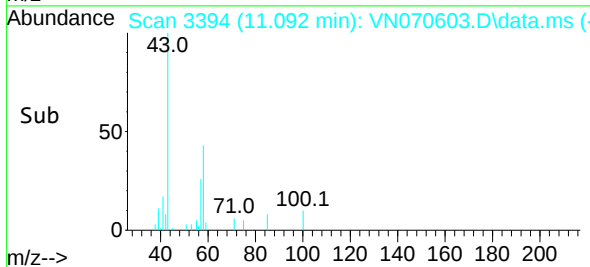
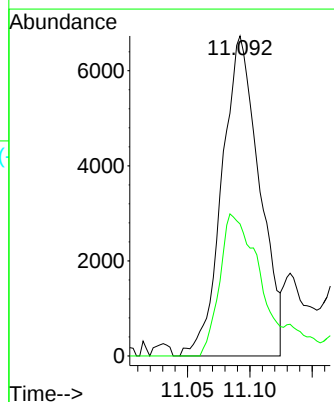
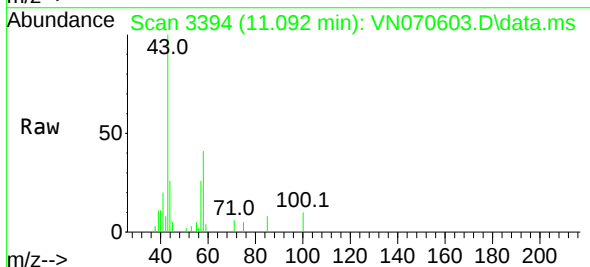
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

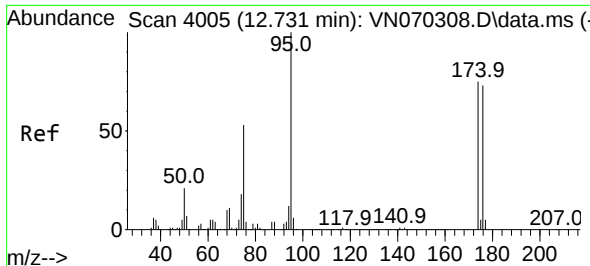
Tgt Ion: 43 Resp: 6456
Ion Ratio Lower Upper
43 100
58 34.6 30.4 45.6



#59
2-Hexanone
Concen: 0.878 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.008 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 43 Resp: 14069
Ion Ratio Lower Upper
43 100
58 46.4 26.9 80.7

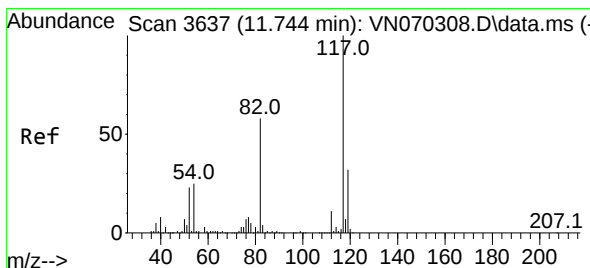
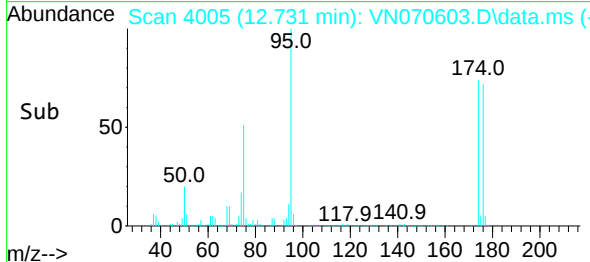
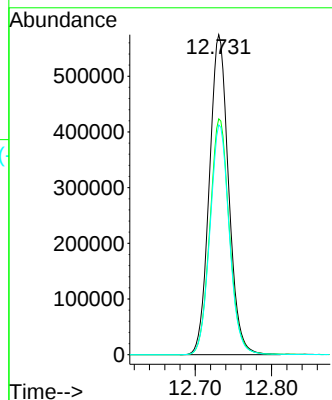
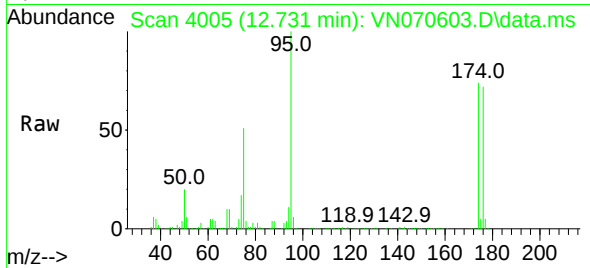




#62
4-Bromofluorobenzene
Concen: 66.005 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

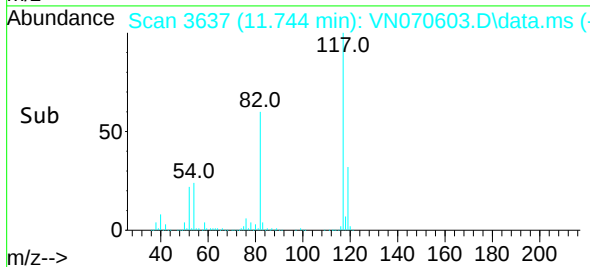
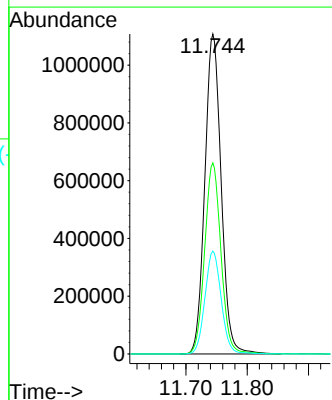
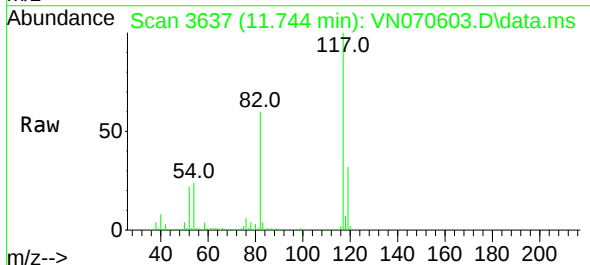
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

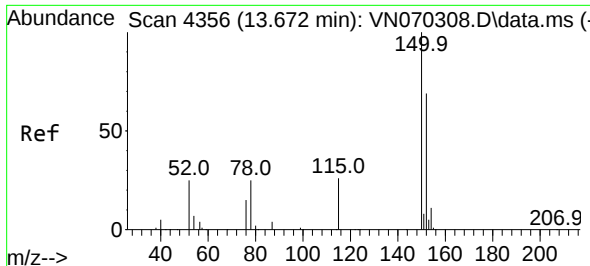
Tgt Ion: 95 Resp: 1006919
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 72.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 117 Resp: 2052292
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.1 25.4 38.2

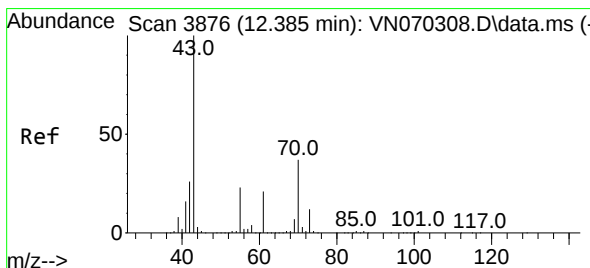
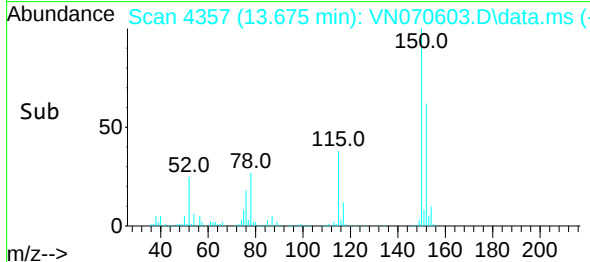
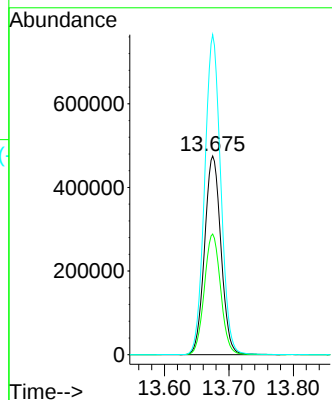
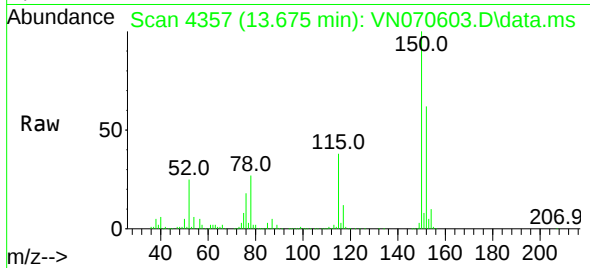




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

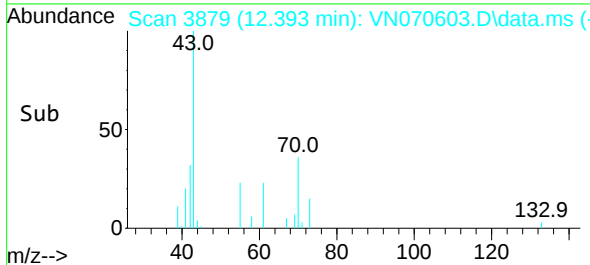
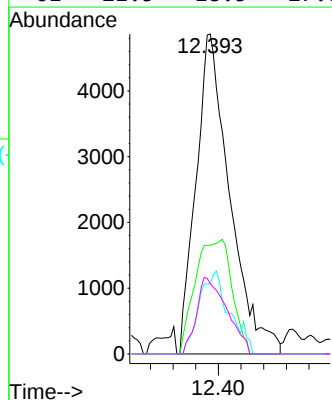
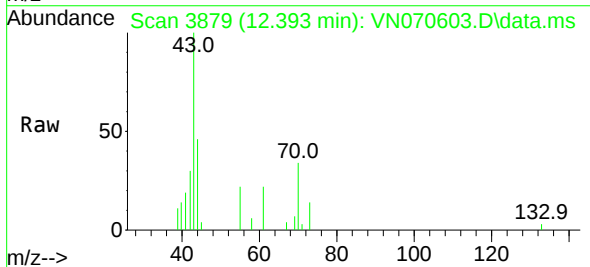
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

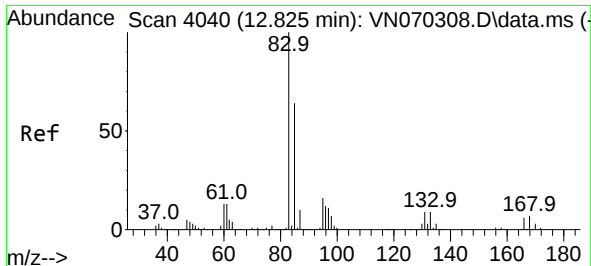
Tgt Ion:152 Resp: 838577
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 157.7 0.0 344.4



#74
N-ethyl acetate
Concen: 0.308 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.008 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 43 Resp: 10084
Ion Ratio Lower Upper
43 100
70 38.8 33.4 50.0
55 23.1 19.3 28.9
61 21.5 18.5 27.7

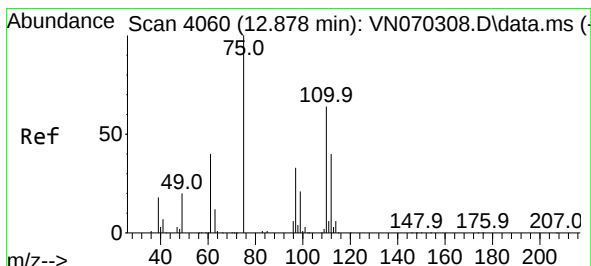
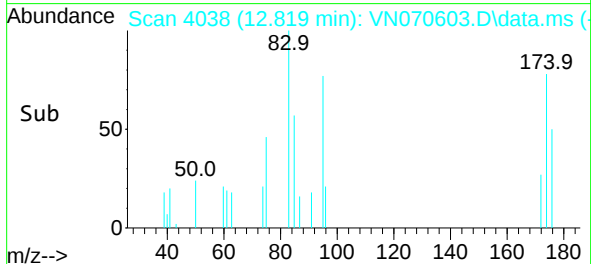
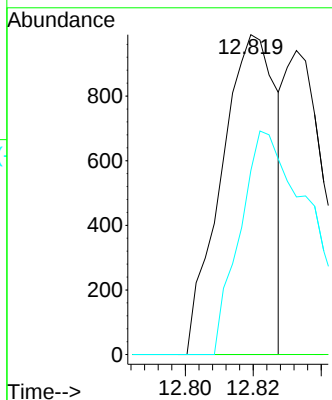
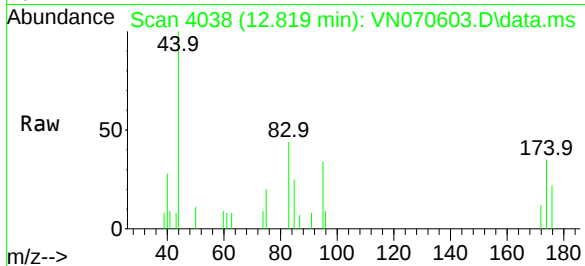




#75
1,1,2,2-Tetrachloroethane
Concen: 0.486 ug/l
RT: 12.819 min Scan# 4040
Delta R.T. -0.006 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

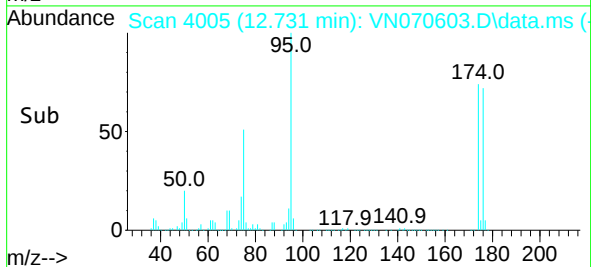
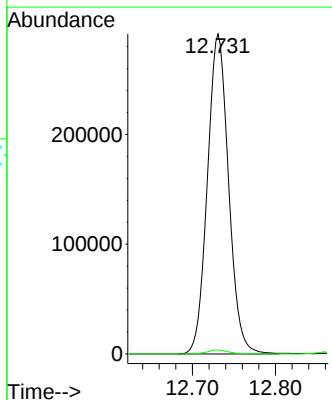
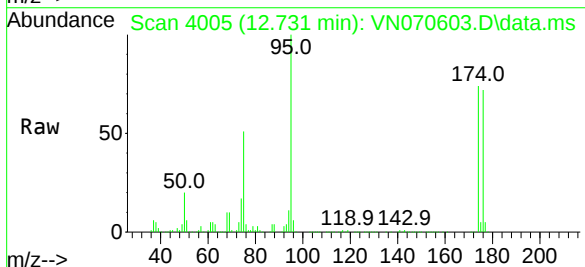
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

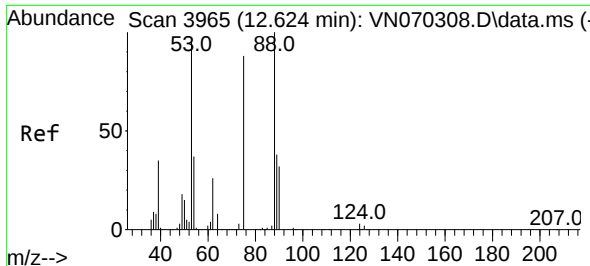
Tgt Ion: 83 Resp: 1109
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 89.1 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 22.376 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 75 Resp: 515853
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

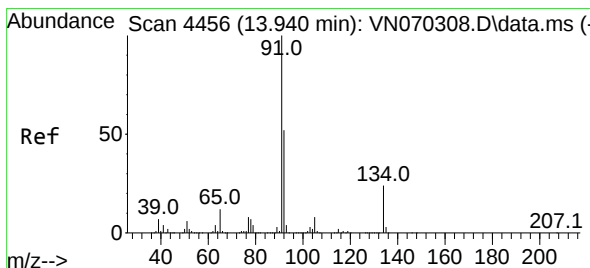
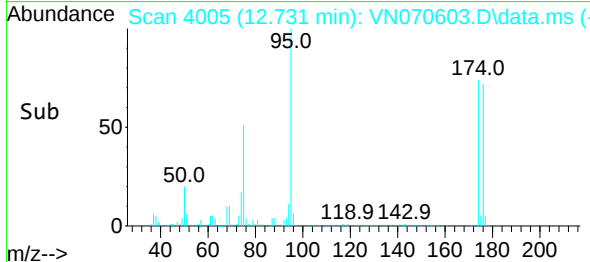
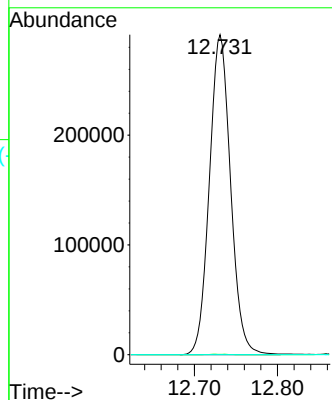
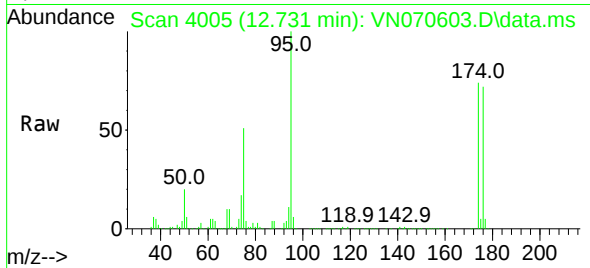




#81
trans-1,4-Dichloro-2-butene
Concen: 75.157 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

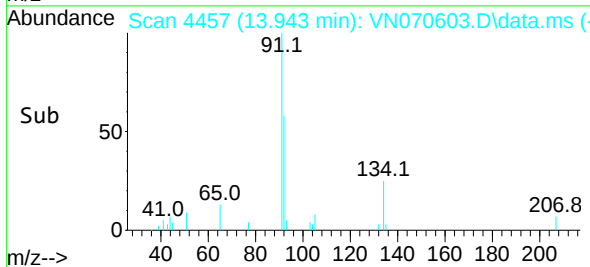
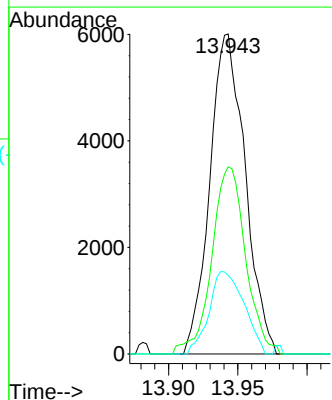
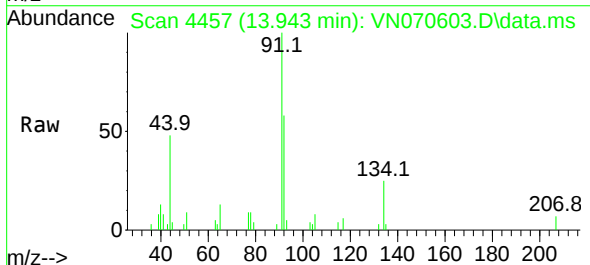
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

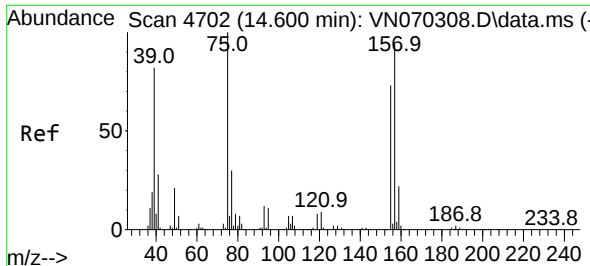
Tgt Ion: 75 Resp: 515853
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.218 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 91 Resp: 10645
Ion Ratio Lower Upper
91 100
92 56.1 25.4 76.0
134 25.5 13.6 40.8

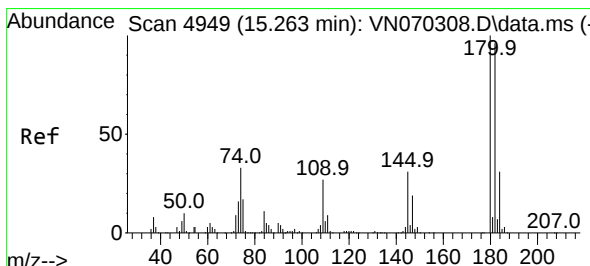
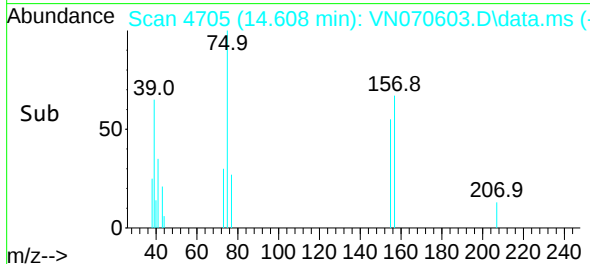
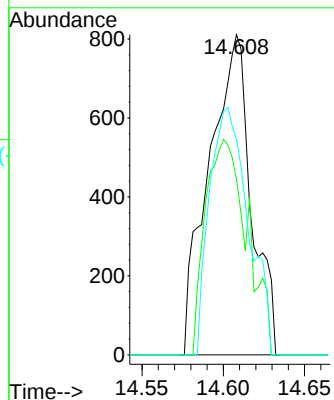
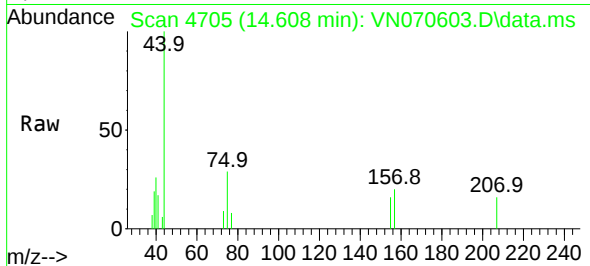




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.326 ug/l
RT: 14.608 min Scan# 41
Delta R.T. 0.008 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

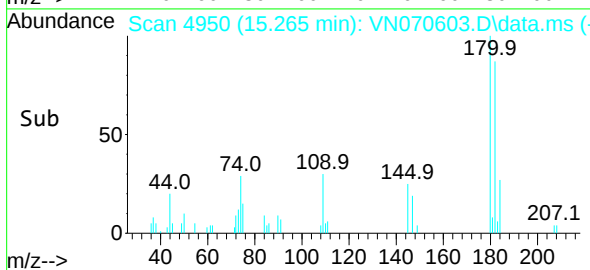
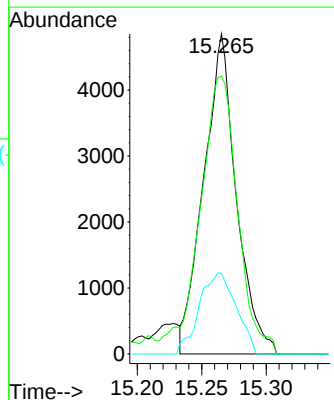
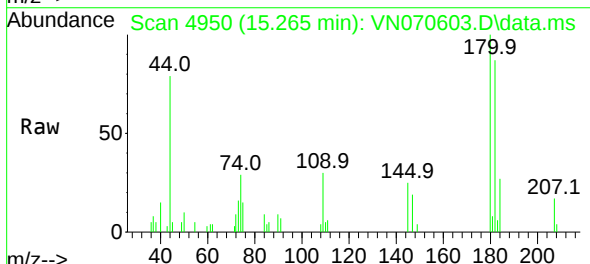
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MSVOA_N
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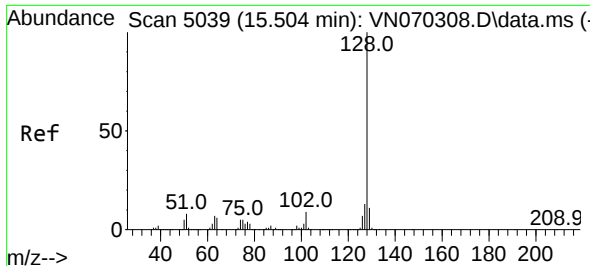
Tgt Ion: 75 Resp: 1469
Ion Ratio Lower Upper
75 100
155 66.2 46.9 140.7
157 70.5 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 0.617 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion: 180 Resp: 8530
Ion Ratio Lower Upper
180 100
182 100.2 48.3 144.9
145 28.6 14.5 43.5

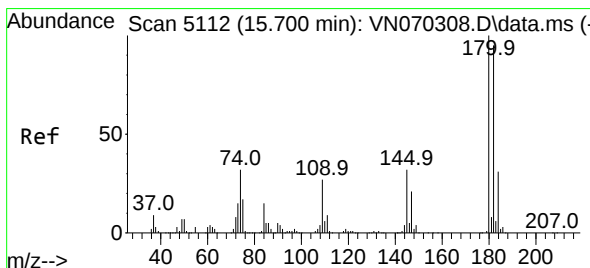
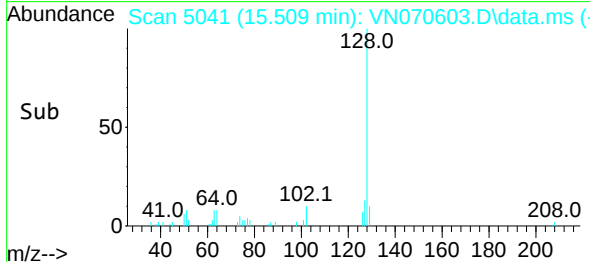
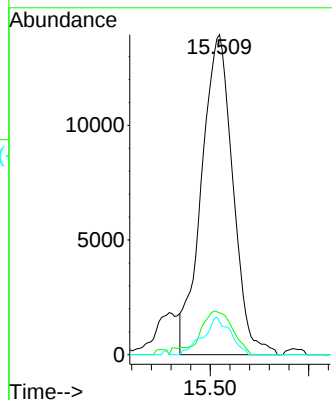
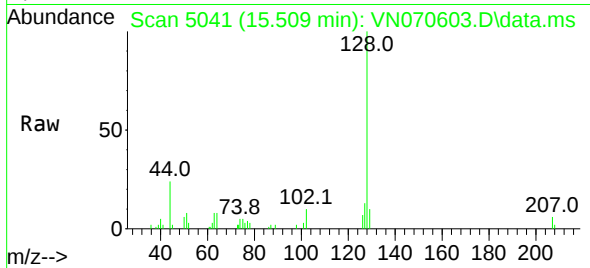




#95
Naphthalene
Concen: 2.576 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

Tgt Ion:	128	Resp:	30882
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.636 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN070603.D
Acq: 13 Jan 2022 11:20

Tgt Ion:	180	Resp:	10893
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.4	142.2
145	27.0	15.0	45.1

