

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070036.D
 Acq On : 13 Dec 2021 16:54
 Operator : JC/MD
 Sample : M4986-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 05:27:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

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

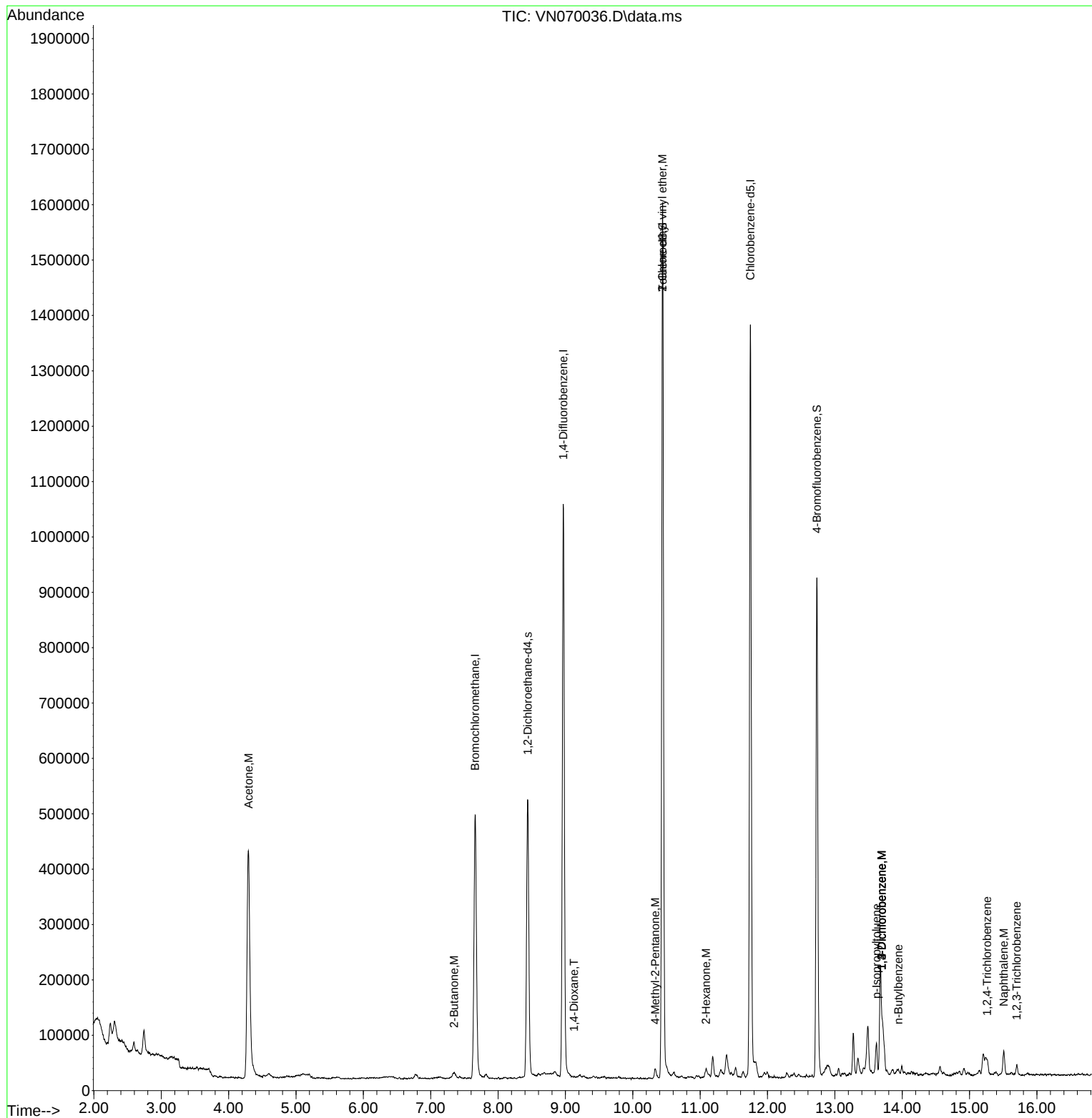
Internal Standards						
1) Bromochloromethane	7.659	128	160850	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	865106	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.747	117	770003	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	434165	30.458	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.533%
60) 4-Bromofluorobenzene	12.733	95	321439	25.370	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.567%
63) Toluene-d8	10.443	98	1065486	29.943	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.800%
Target Compounds						
					Qvalue	
15) Acetone	4.296	58	214164	90.433	ug/l	77
30) 2-Butanone	7.348	43	10139	0.989	ug/l	# 72
45) 1,4-Dioxane	9.126	88	51	0.252	ug/l	# 1
55) 2-Chloroethyl vinyl ether	10.440	63	1277	0.387	ug/l	# 1
58) 4-Methyl-2-Pentanone	10.336	43	14995	0.848	ug/l	# 87
59) 2-Hexanone	11.087	43	10407	0.797	ug/l	# 66
82) p-Isopropyltoluene	13.619	119	18757	0.496	ug/l	92
83) 1,3-Dichlorobenzene	13.696	146	7621	0.407	ug/l	70
84) 1,4-Dichlorobenzene	13.696	146	7621	0.423	ug/l	68
85) n-Butylbenzene	13.943	91	6448	0.204	ug/l	69
87) 1,2-Dichlorobenzene	13.696	146	7621	0.423	ug/l	70
89) 1,2,4-Trichlorobenzene	15.263	180	2549	0.304	ug/l	# 47
91) Naphthalene	15.507	128	39894	9.313	ug/l	# 91
92) 1,2,3-Trichlorobenzene	15.700	180	5138	0.649	ug/l	91

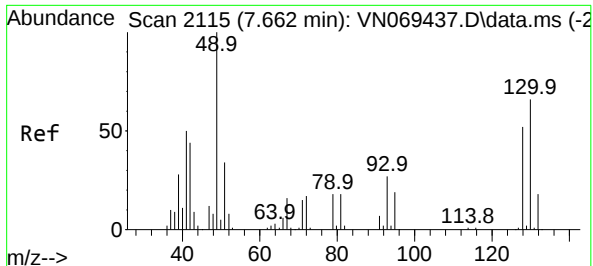
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070036.D
Acq On : 13 Dec 2021 16:54
Operator : JC/MD
Sample : M4986-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 14 05:27:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 14 00:59:04 2021
Response via : Initial Calibration

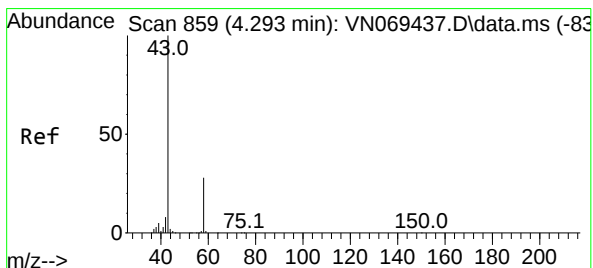
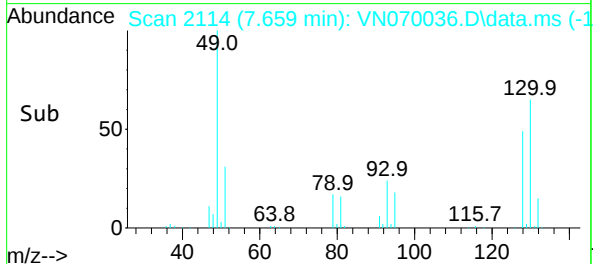
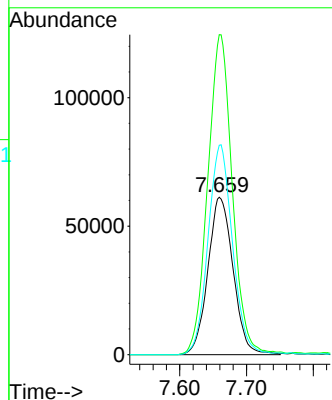
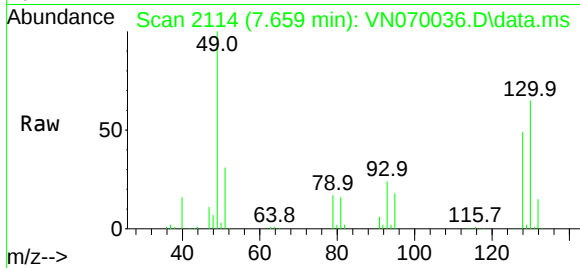




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.002 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

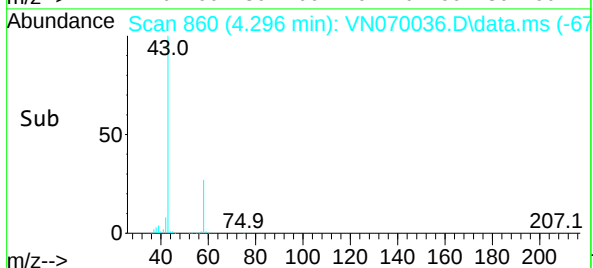
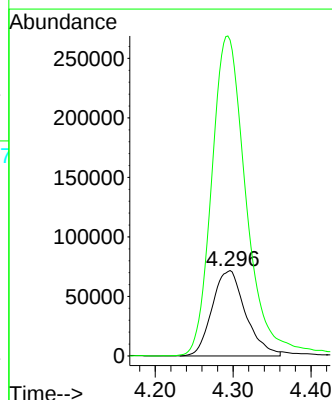
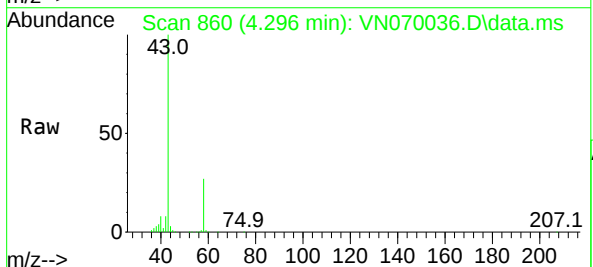
Instrument :
MSVOA_N
ClientSampleId :

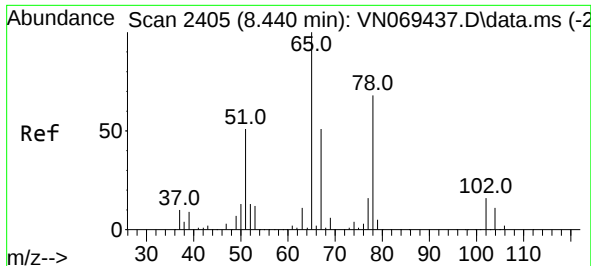
Tgt Ion:128 Resp: 160850
Ion Ratio Lower Upper
128 100
49 196.8 0.0 392.3
130 129.0 0.0 320.2



#15
Acetone
Concen: 90.433 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Tgt Ion: 58 Resp: 214164
Ion Ratio Lower Upper
58 100
43 368.1 256.6 384.8





#27

1,2-Dichloroethane-d4

Concen: 30.458 ug/l

RT: 8.440 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070036.D

Acq: 13 Dec 2021 16:54

Instrument :

MSVOA_N

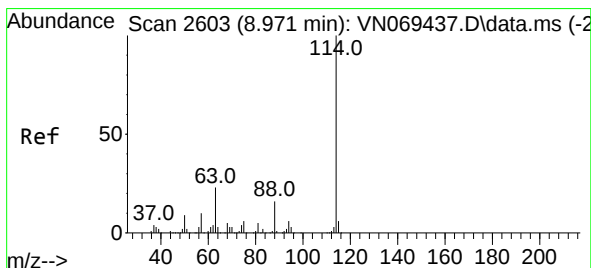
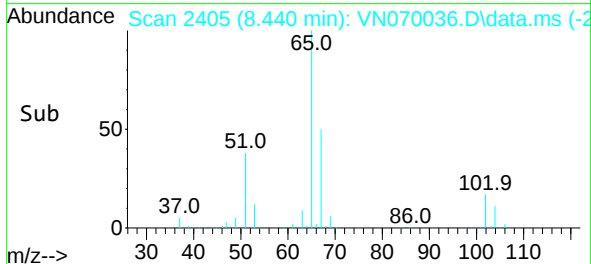
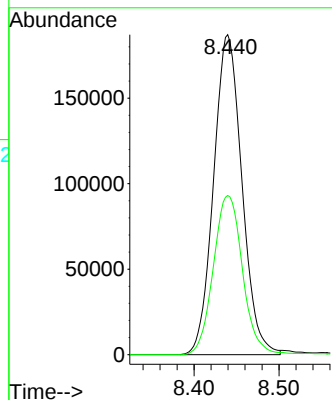
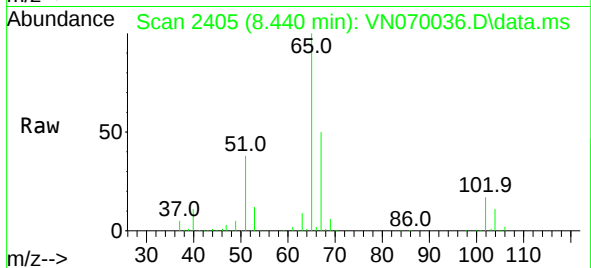
ClientSampleId :

Tgt Ion: 65 Resp: 434165

Ion Ratio Lower Upper

65 100

67 51.0 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070036.D

Acq: 13 Dec 2021 16:54

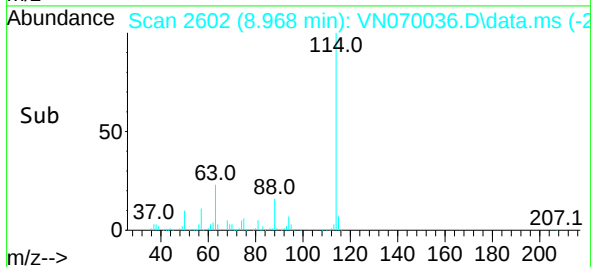
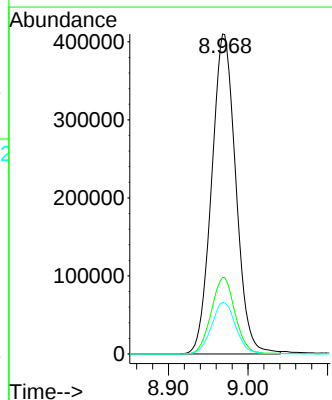
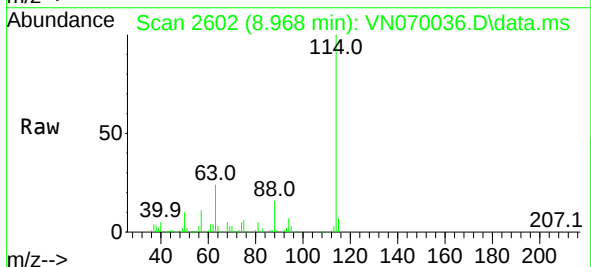
Tgt Ion: 114 Resp: 865106

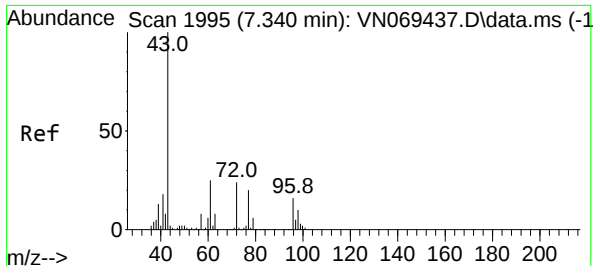
Ion Ratio Lower Upper

114 100

63 23.7 15.8 23.6

88 16.1 11.6 17.4





#30

2-Butanone

Concen: 0.989 ug/l

RT: 7.348 min Scan# 1995

Delta R.T. 0.013 min

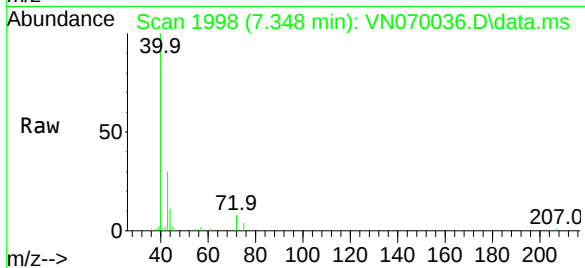
Lab File: VN070036.D

Acq: 13 Dec 2021 16:54

Instrument :

MSVOA_N

ClientSampleId :



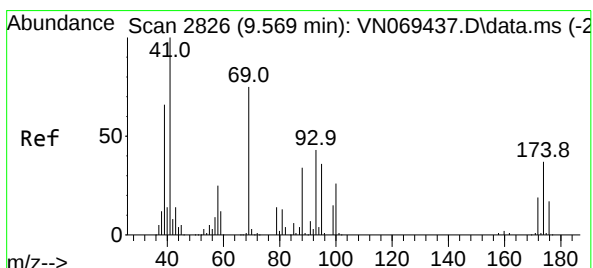
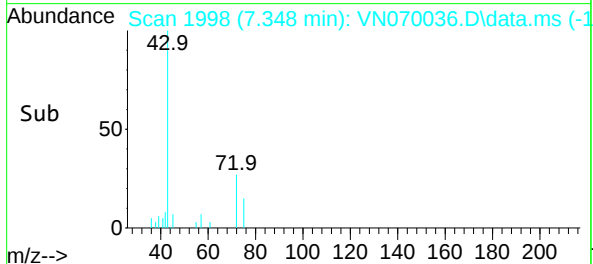
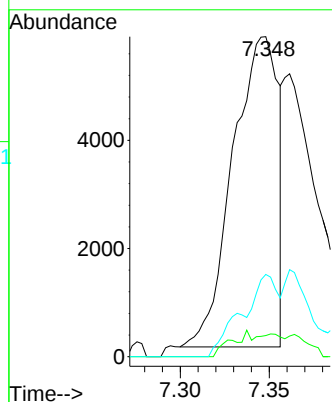
Tgt Ion: 43 Resp: 10139

Ion Ratio Lower Upper

43 100

57 4.2 6.7 10.1#

72 11.7 23.2 34.8#



#45

1,4-Dioxane

Concen: 0.252 ug/l

RT: 9.126 min Scan# 2661

Delta R.T. -0.443 min

Lab File: VN070036.D

Acq: 13 Dec 2021 16:54

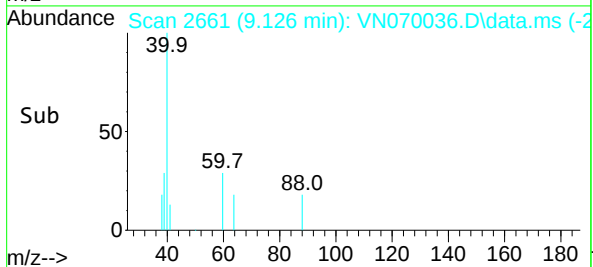
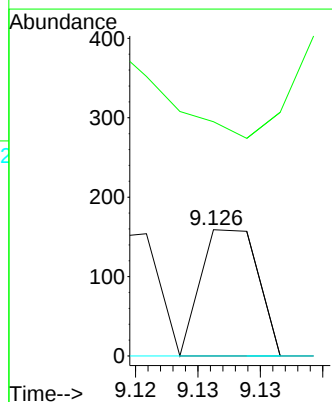
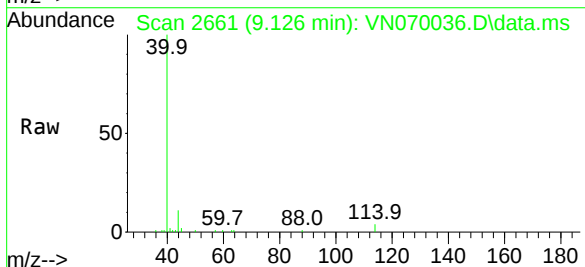
Tgt Ion: 88 Resp: 51

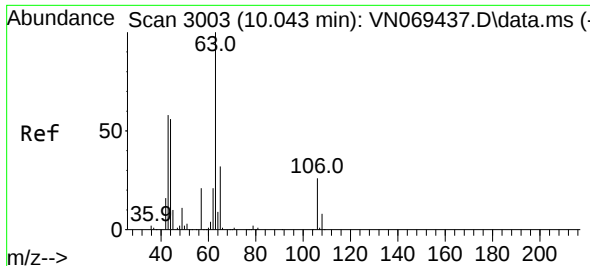
Ion Ratio Lower Upper

88 100

43 188.2 25.0 37.6#

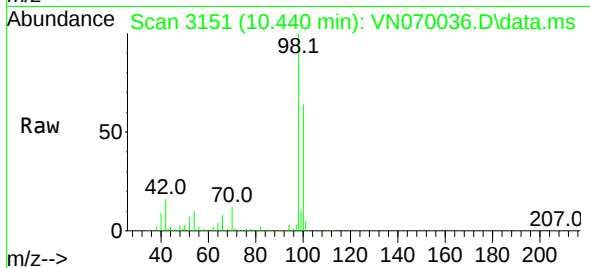
58 0.0 49.4 74.2#



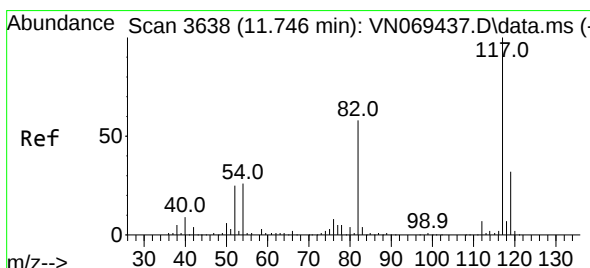
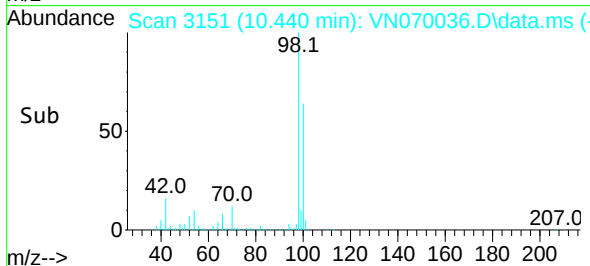
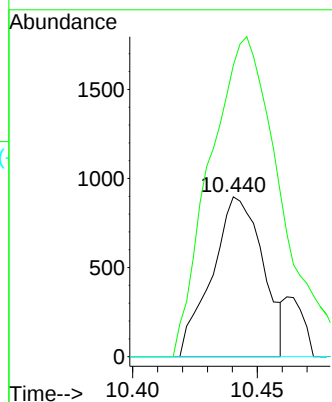


#55
2-Chloroethyl vinyl ether
Concen: 0.387 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.400 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Instrument :
MSVOA_N
ClientSampleId :

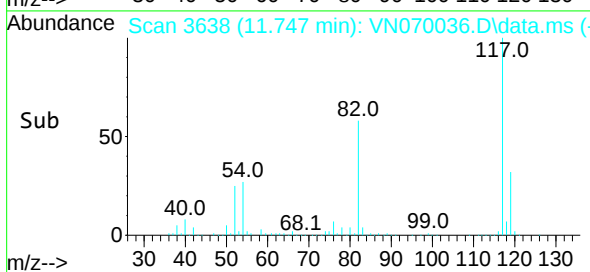
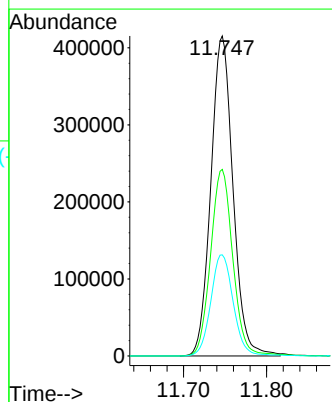
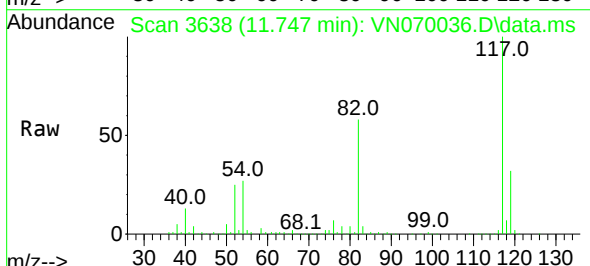


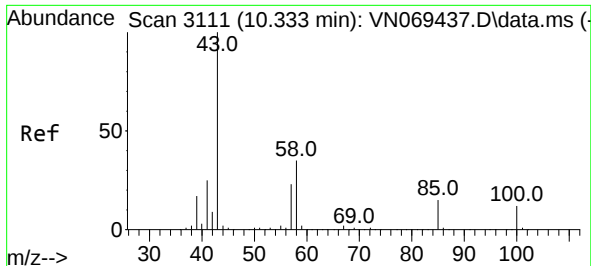
Tgt Ion: 63 Resp: 1277
Ion Ratio Lower Upper
63 100
65 275.4 25.4 38.0#
106 0.0 23.2 34.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Tgt Ion: 117 Resp: 770003
Ion Ratio Lower Upper
117 100
82 58.7 43.6 65.4
119 32.1 25.8 38.6

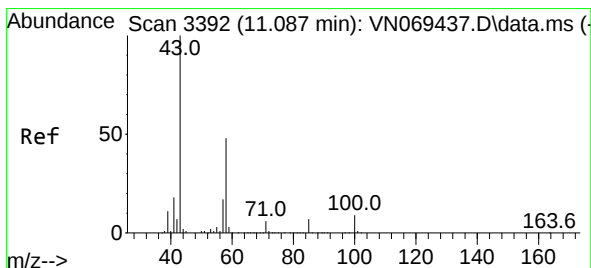
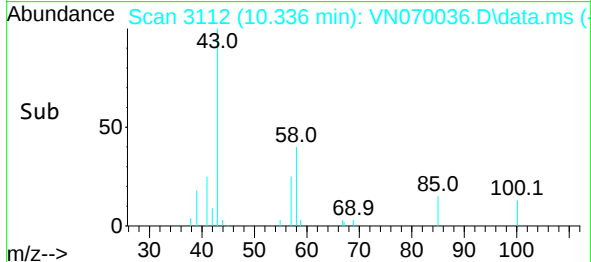
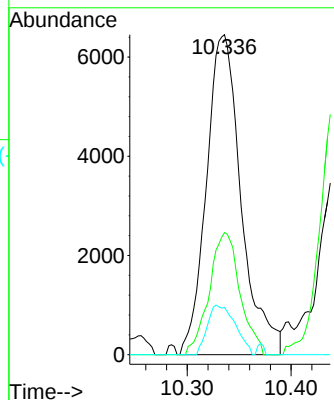
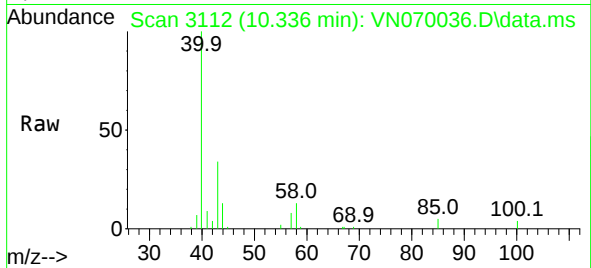




#58
4-Methyl-2-Pentanone
Concen: 0.848 ug/l
RT: 10.336 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

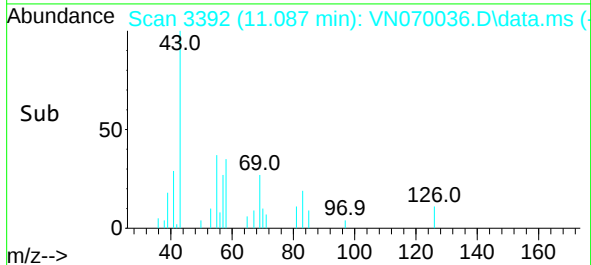
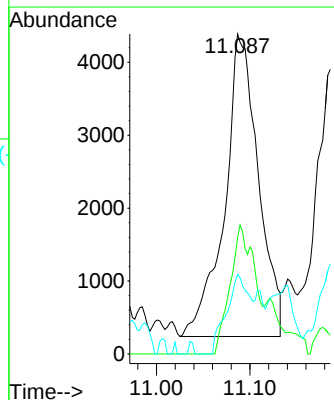
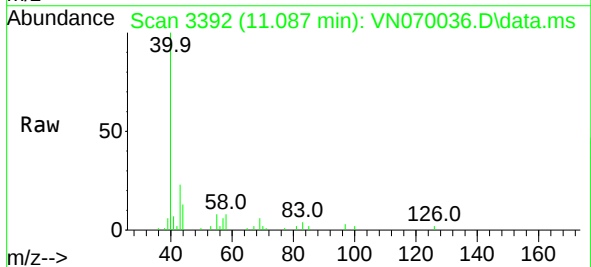
Instrument :
MSVOA_N
ClientSampleId :

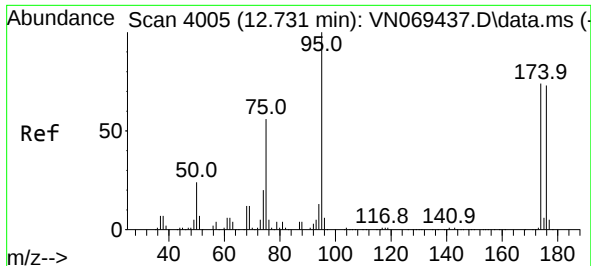
Tgt Ion: 43 Resp: 14995
Ion Ratio Lower Upper
43 100
58 33.7 30.0 45.0
85 6.6 15.0 22.6#



#59
2-Hexanone
Concen: 0.797 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Tgt Ion: 43 Resp: 10407
Ion Ratio Lower Upper
43 100
58 21.0 42.2 63.2#
57 17.6 15.0 22.4

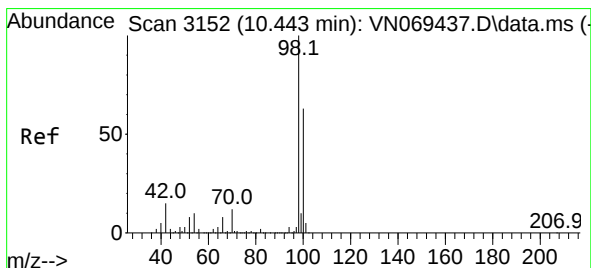
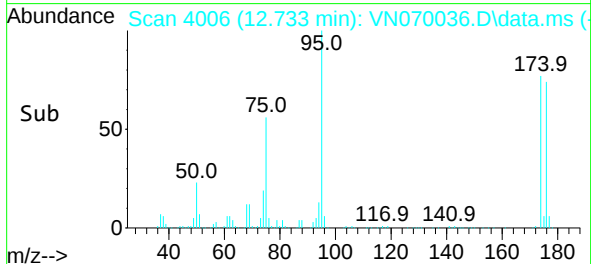
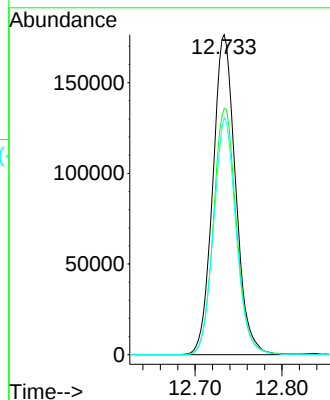
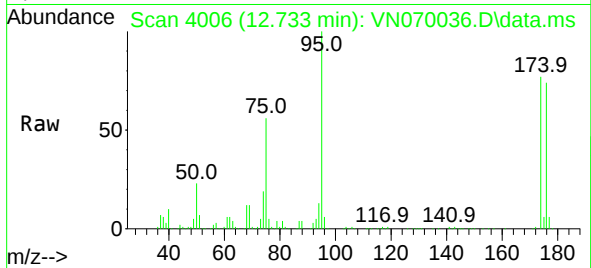




#60
4-Bromofluorobenzene
Concen: 25.370 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

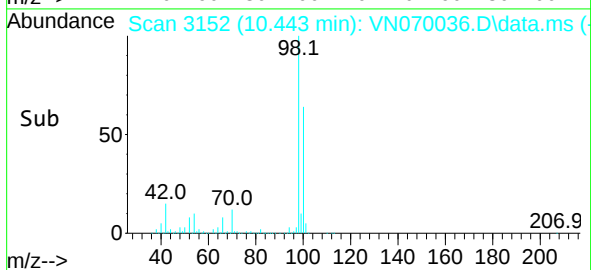
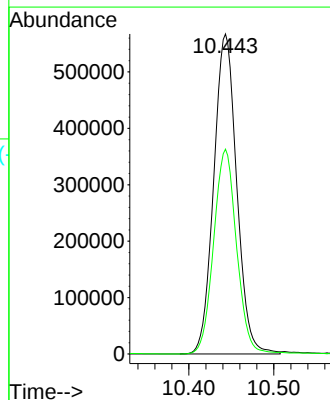
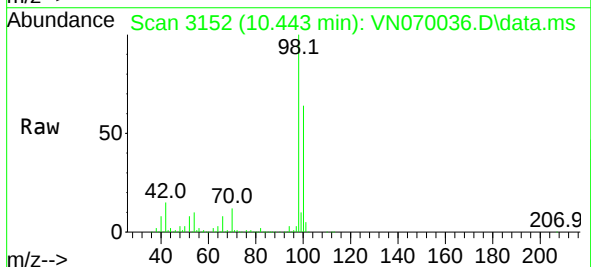
Instrument :
MSVOA_N
ClientSampleId :

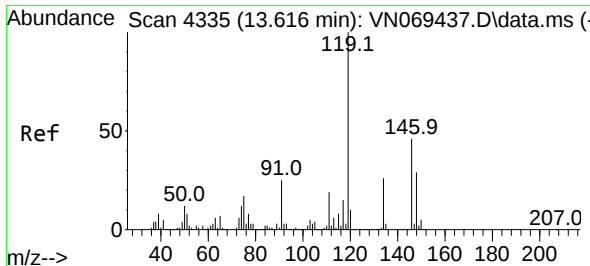
Tgt Ion: 95 Resp: 321439
Ion Ratio Lower Upper
95 100
174 77.3 62.9 94.3
176 73.3 61.0 91.4



#63
Toluene-d8
Concen: 29.943 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Tgt Ion: 98 Resp: 1065486
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0

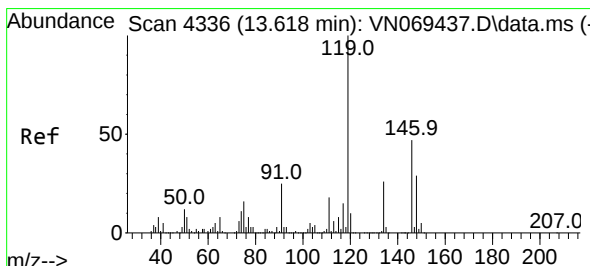
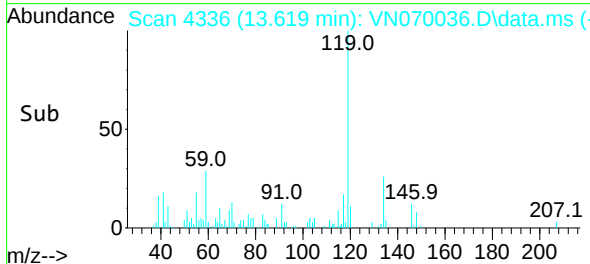
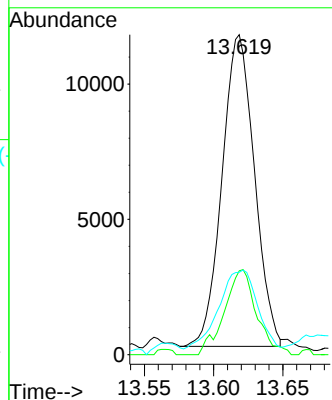
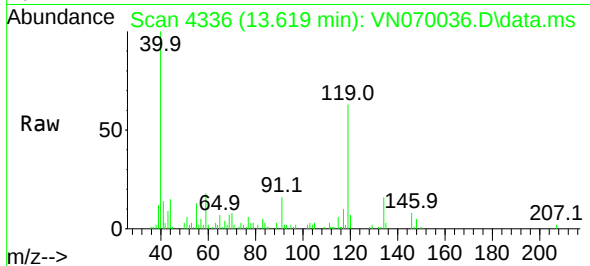




#82
p-Isopropyltoluene
Concen: 0.496 ug/l
RT: 13.619 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

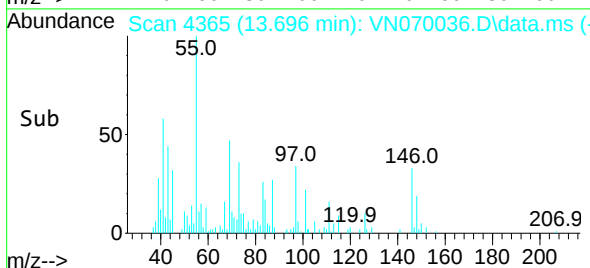
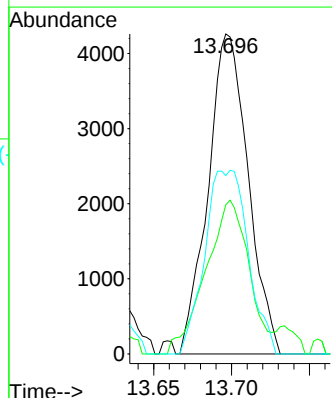
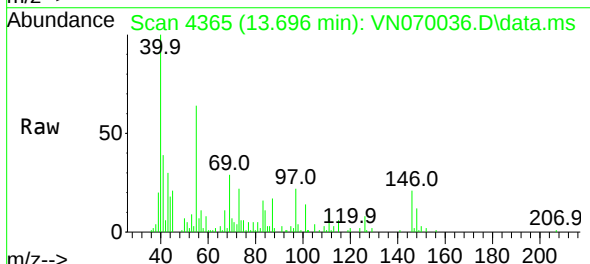
Instrument :
MSVOA_N
ClientSampleId :

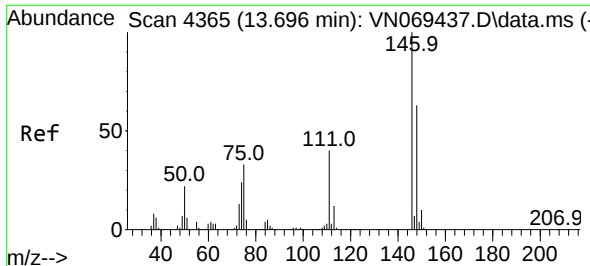
Tgt Ion:119 Resp: 18757
Ion Ratio Lower Upper
119 100
134 22.0 0.0 51.8
91 29.7 0.0 50.4



#83
1,3-Dichlorobenzene
Concen: 0.407 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.080 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

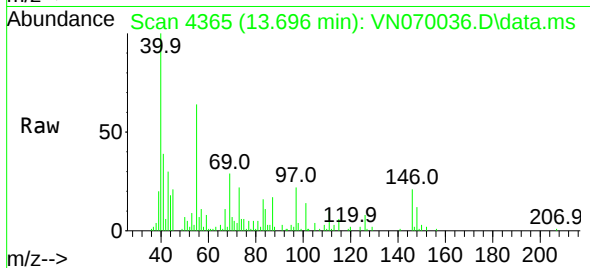
Tgt Ion:146 Resp: 7621
Ion Ratio Lower Upper
146 100
111 51.9 20.8 62.2
148 32.6 31.4 94.3



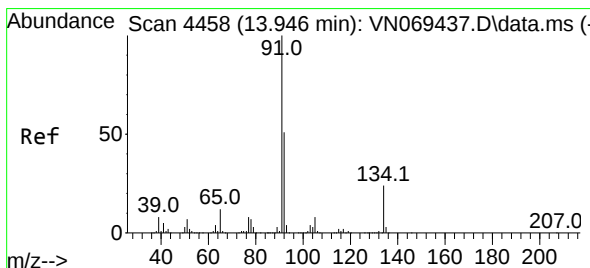
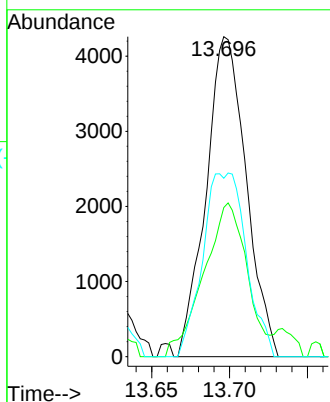
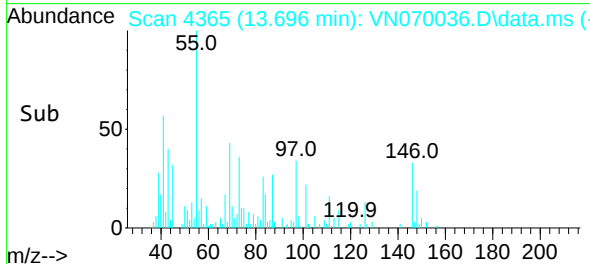


#84
1,4-Dichlorobenzene
Concen: 0.423 ug/l
RT: 13.696 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

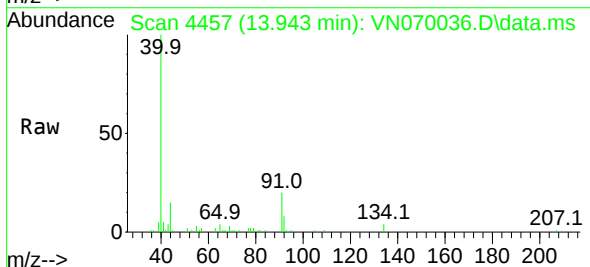
Instrument :
MSVOA_N
ClientSampleId :



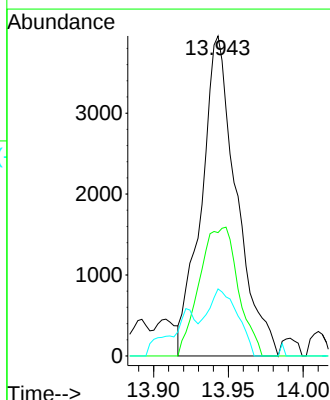
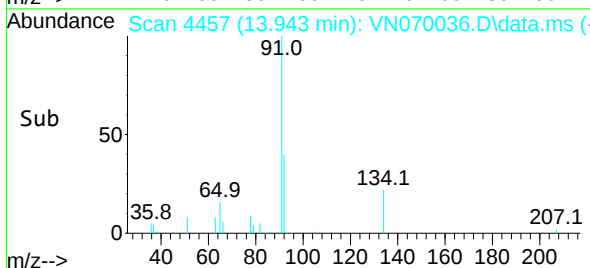
Tgt Ion:146 Resp: 7621
Ion Ratio Lower Upper
146 100
111 51.9 19.5 58.5
148 32.6 31.1 93.5

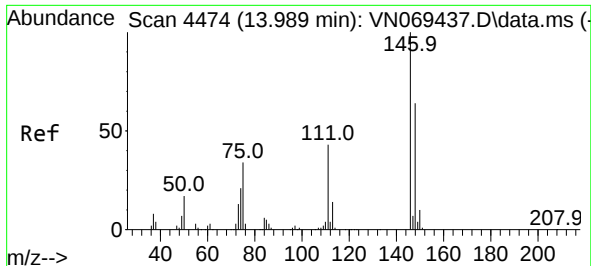


#85
n-Butylbenzene
Concen: 0.204 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.000 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54



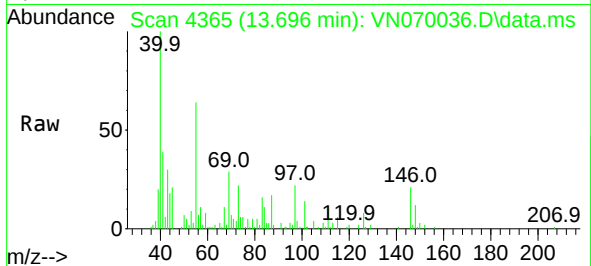
Tgt Ion: 91 Resp: 6448
Ion Ratio Lower Upper
91 100
92 23.4 0.0 100.6
134 18.2 0.0 50.2



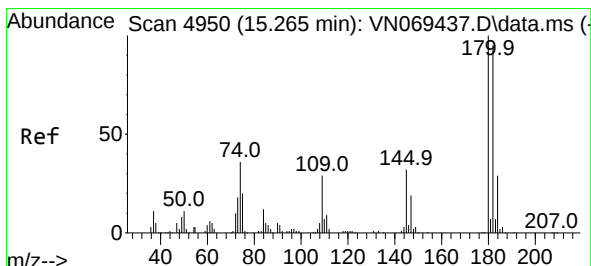
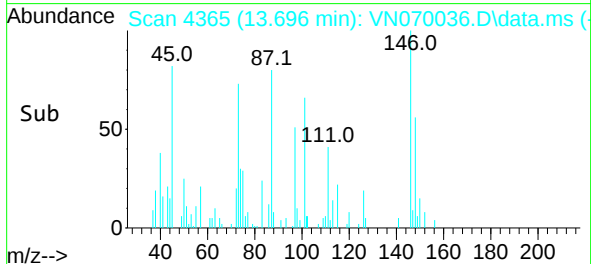
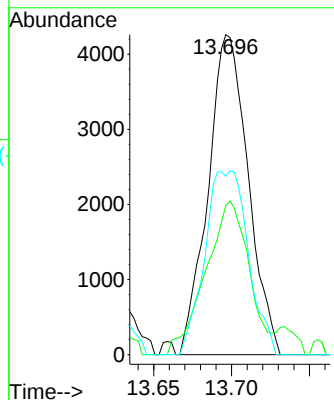


#87
1,2-Dichlorobenzene
Concen: 0.423 ug/l
RT: 13.696 min Scan# 41
Delta R.T. -0.292 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Instrument :
MSVOA_N
ClientSampleId :

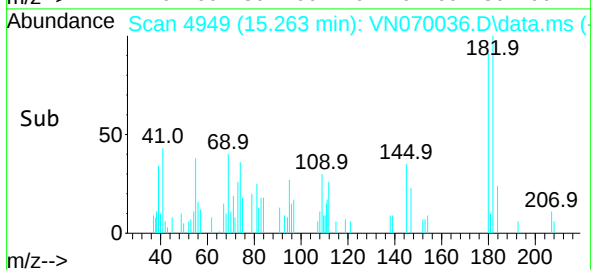
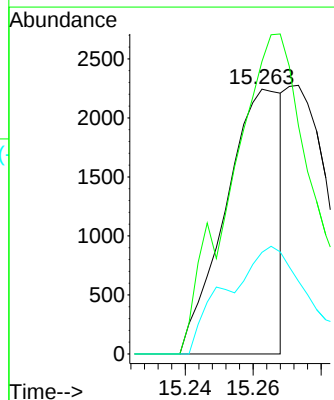
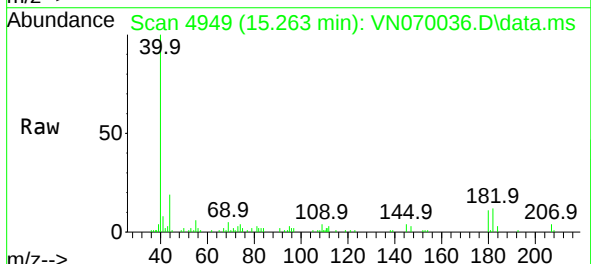


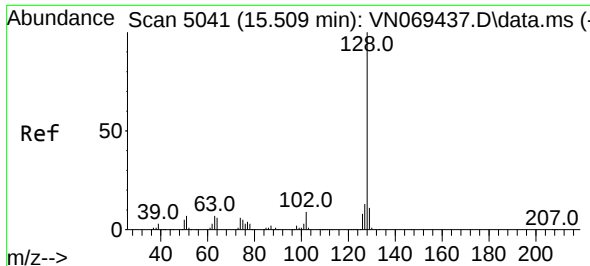
Tgt Ion:146 Resp: 7621
Ion Ratio Lower Upper
146 100
111 51.9 21.4 64.2
148 32.6 32.5 97.4



#89
1,2,4-Trichlorobenzene
Concen: 0.304 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Tgt Ion:180 Resp: 2549
Ion Ratio Lower Upper
180 100
182 165.1 77.7 116.5#
145 30.6 26.6 39.8

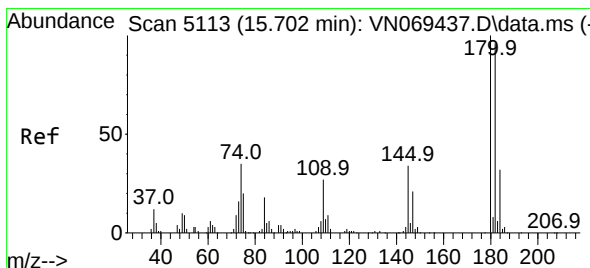
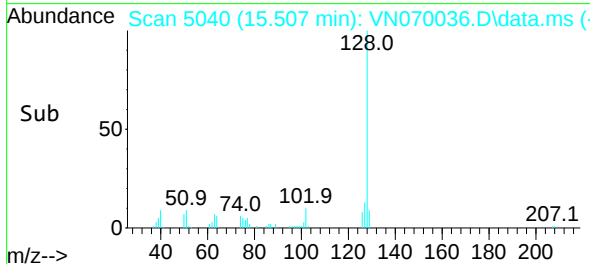
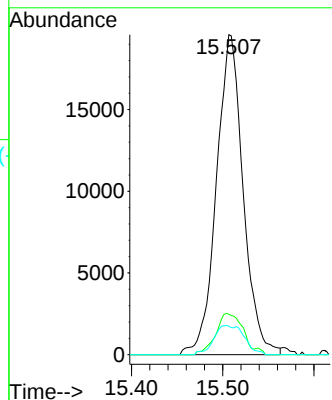
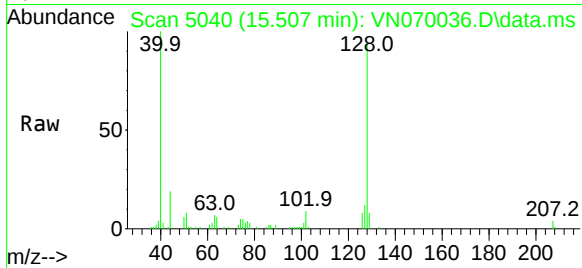




#91
Naphthalene
Concen: 9.313 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 39894
Ion Ratio Lower Upper
128 100
127 11.6 10.7 16.1
129 5.4 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.649 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN070036.D
Acq: 13 Dec 2021 16:54

Tgt Ion:180 Resp: 5138
Ion Ratio Lower Upper
180 100
182 100.3 0.0 190.0
145 23.1 0.0 67.8

