

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067308.D
 Acq On : 12 Jun 2021 1:36
 Operator : JC/MD
 Sample : VN0611WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBL02

Quant Time: Jun 12 09:27:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

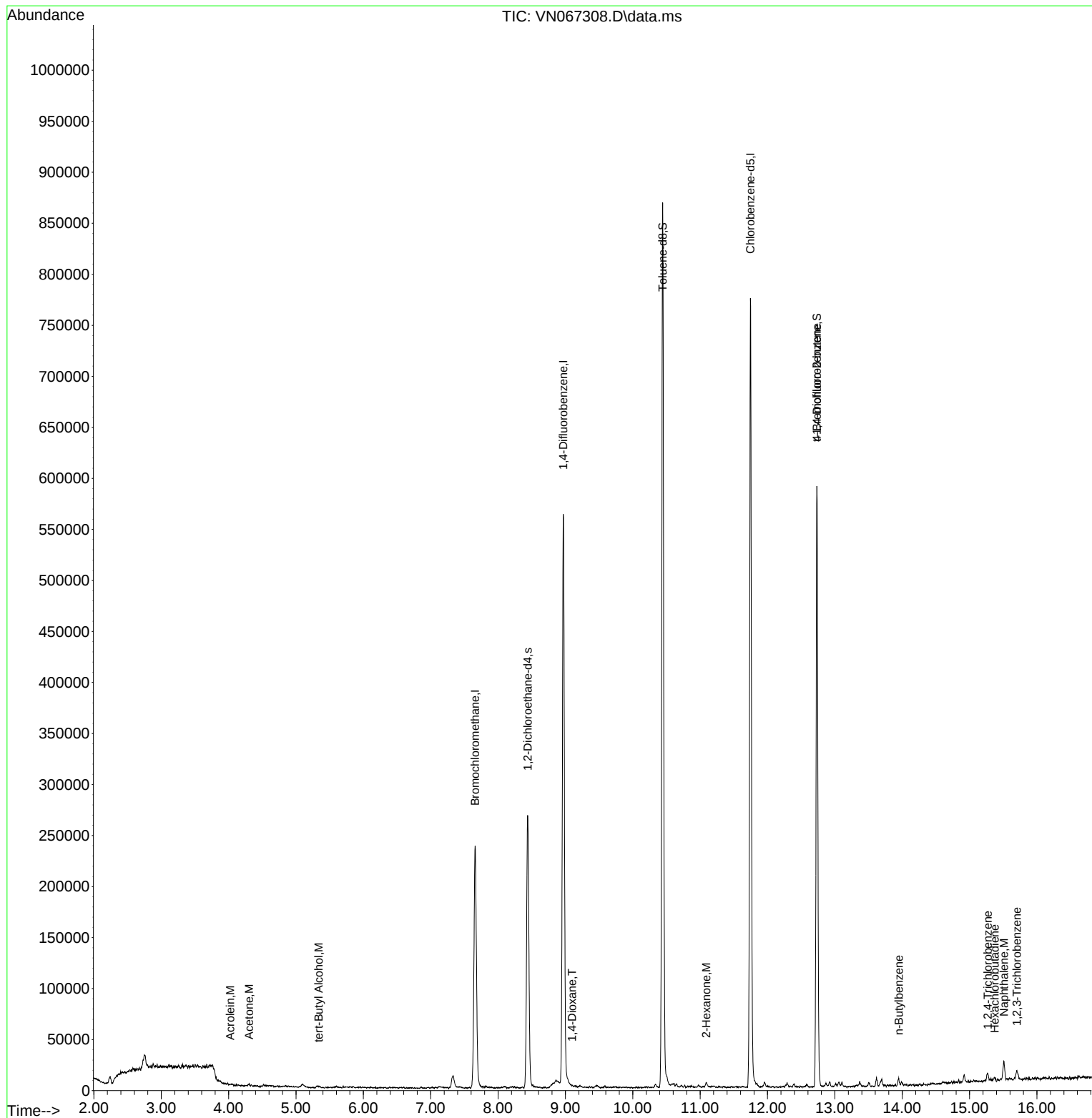
Internal Standards						
1) Bromochloromethane	7.657	128	76025	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	450690	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	404263	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	242596	30.364	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.200%
60) 4-Bromofluorobenzene	12.734	95	221930	28.435	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.800%
63) Toluene-d8	10.443	98	595285	30.876	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.933%
Target Compounds						
					Qvalue	
13) Acrolein	4.025	56	403	0.494	ug/l	97
15) Acetone	4.304	58	441	0.615	ug/l #	1
23) tert-Butyl Alcohol	5.337	59	328	0.258	ug/l #	100
45) 1,4-Dioxane	9.097	88	24	0.237	ug/l #	1
59) 2-Hexanone	11.092	43	3286	0.511	ug/l #	43
77) t-1,4-Dichloro-2-butene	12.734	75	127176	47.249	ug/l #	6
85) n-Butylbenzene	13.951	91	4144	0.229	ug/l	88
89) 1,2,4-Trichlorobenzene	15.271	180	2387	0.503	ug/l	96
90) Hexachlorobutadiene	15.373	225	669	0.266	ug/l	62
91) Naphthalene	15.509	128	14381	0.903	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.702	180	2705	0.586	ug/l	53

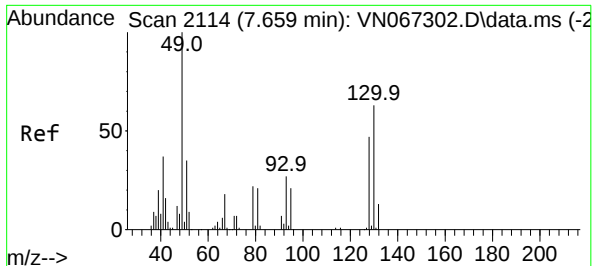
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0611WBL02

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 12 09:13:15 2021
Response via : Initial Calibration

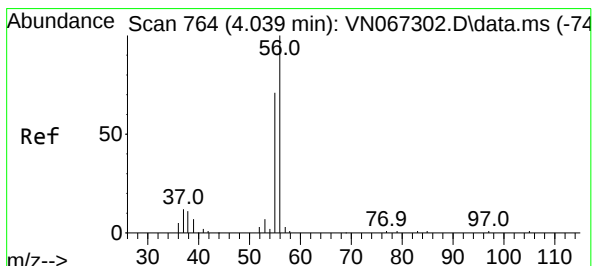
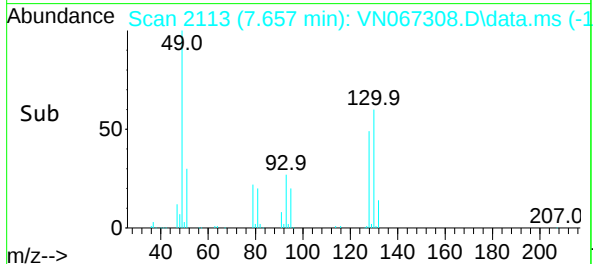
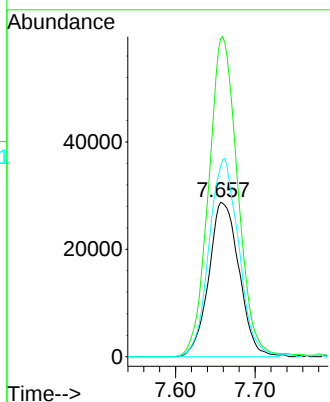
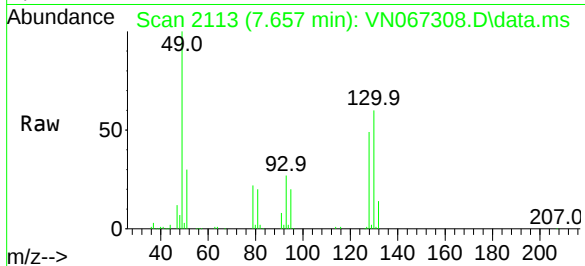




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 2113
Delta R.T. -0.002 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

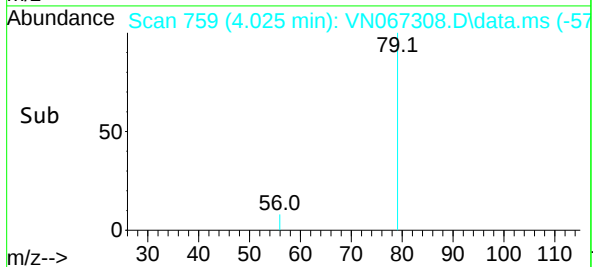
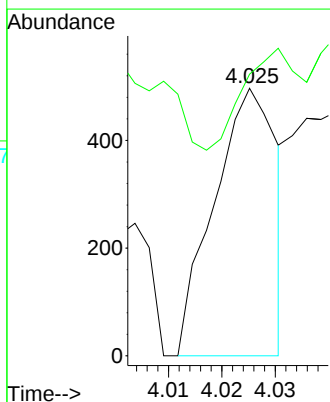
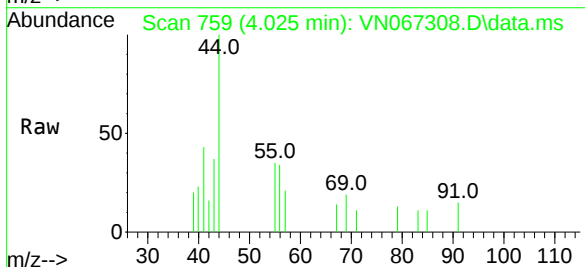
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL02

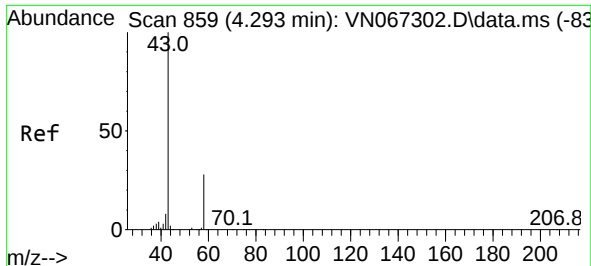
Tgt Ion:128 Resp: 76025
Ion Ratio Lower Upper
128 100
49 198.9 0.0 517.5
130 126.2 0.0 325.8



#13
Acrolein
Concen: 0.494 ug/l
RT: 4.025 min Scan# 759
Delta R.T. -0.013 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion: 56 Resp: 403
Ion Ratio Lower Upper
56 100
55 74.2 57.5 86.3

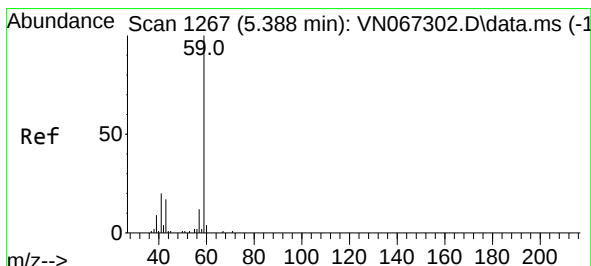
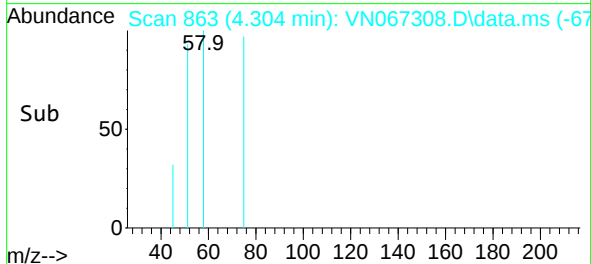
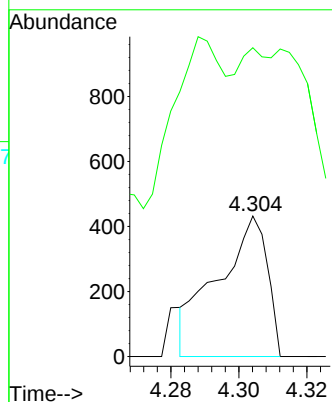
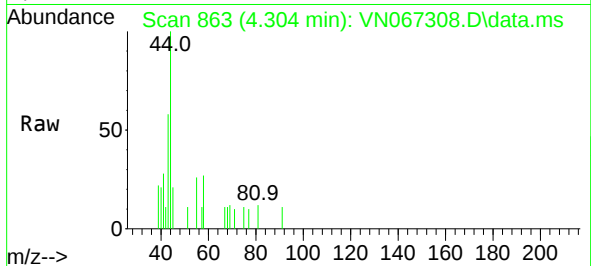




#15
Acetone
Concen: 0.615 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.011 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

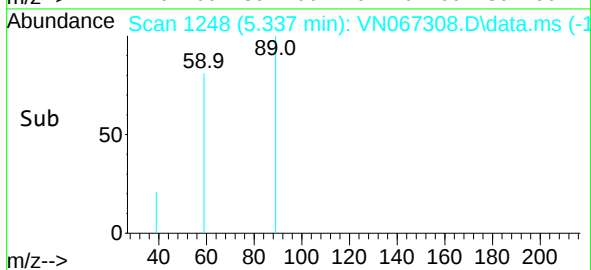
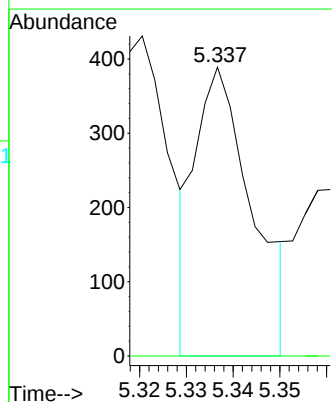
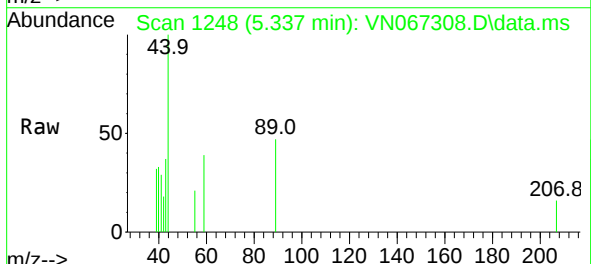
Instrument :
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ClientSampleId :
VN0611WBL02

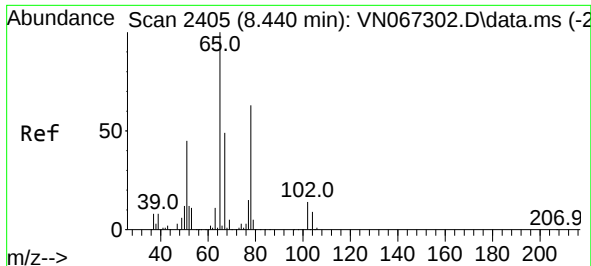
Tgt Ion: 58 Resp: 441
Ion Ratio Lower Upper
58 100
43 31.3 289.6 434.4#



#23
tert-Butyl Alcohol
Concen: 0.258 ug/l
RT: 5.337 min Scan# 1248
Delta R.T. -0.051 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



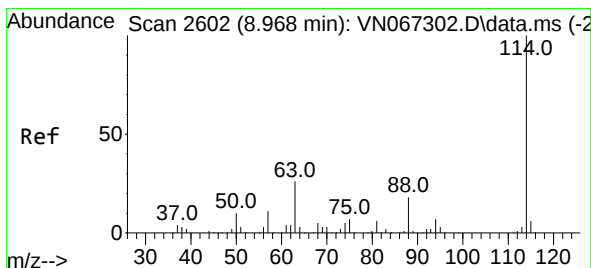
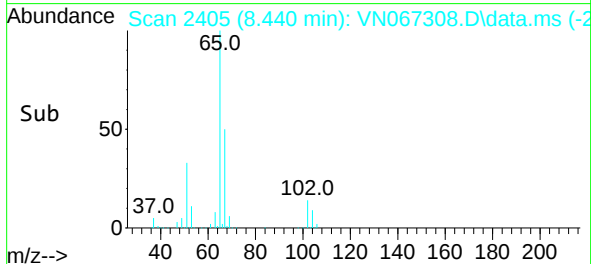
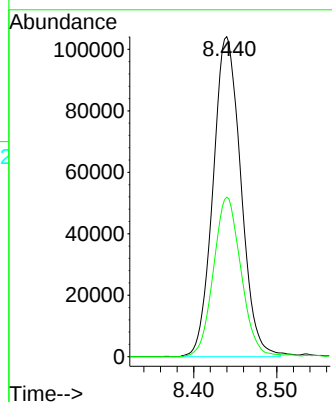
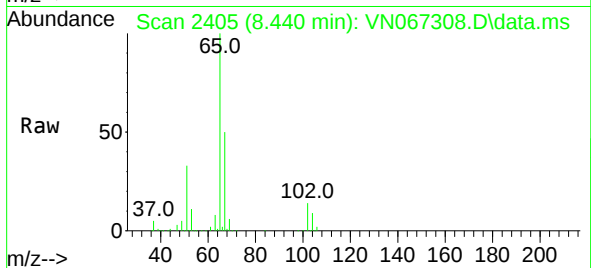


#27

1,2-Dichloroethane-d4
Concen: 30.364 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL02

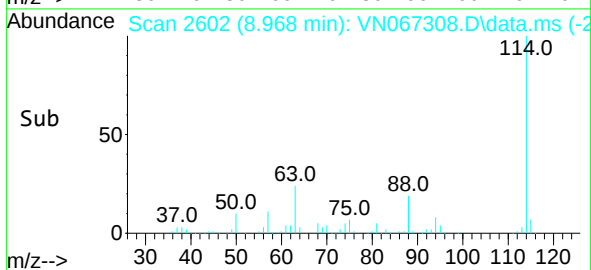
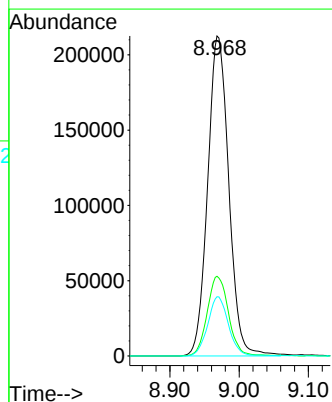
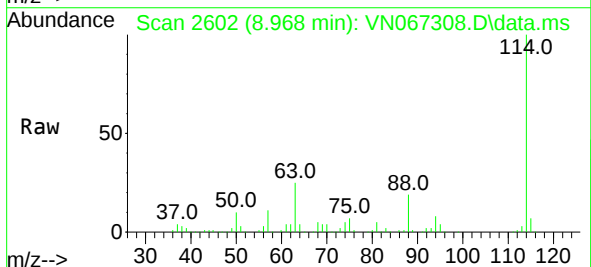
Tgt Ion: 65 Resp: 242596
Ion Ratio Lower Upper
65 100
67 49.3 39.8 59.8

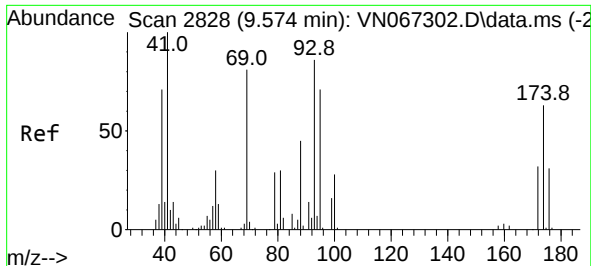


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion: 114 Resp: 450690
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 18.0 14.6 22.0

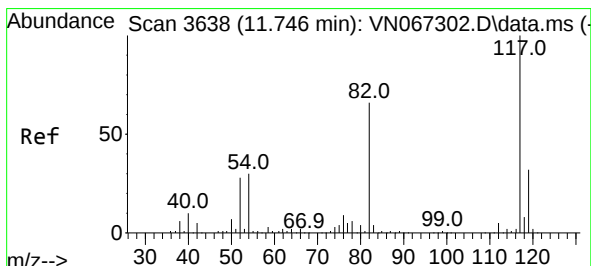
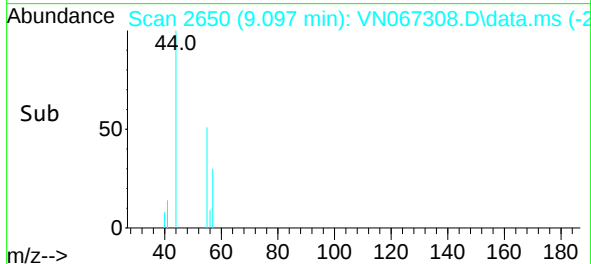
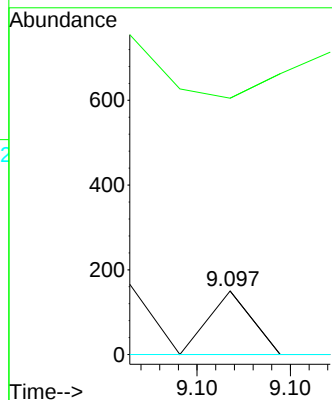
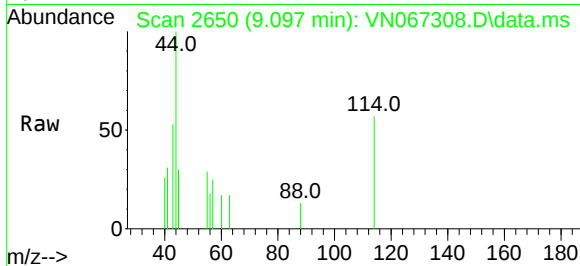




#45
1,4-Dioxane
Concen: 0.237 ug/l
RT: 9.097 min Scan# 2650
Delta R.T. -0.477 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

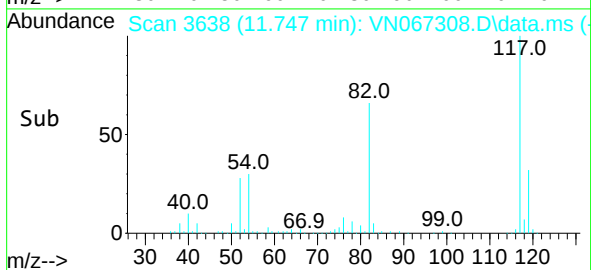
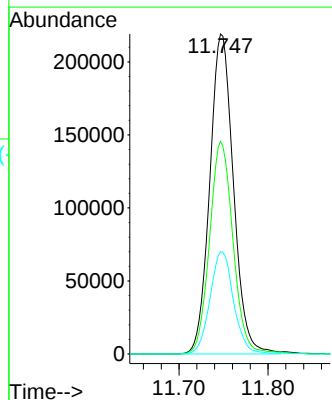
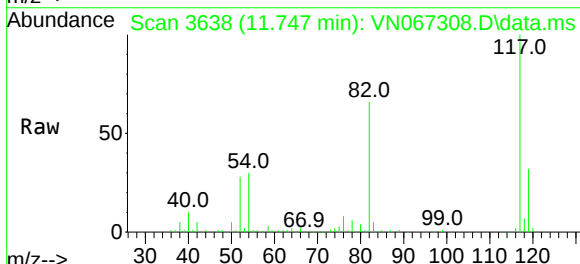
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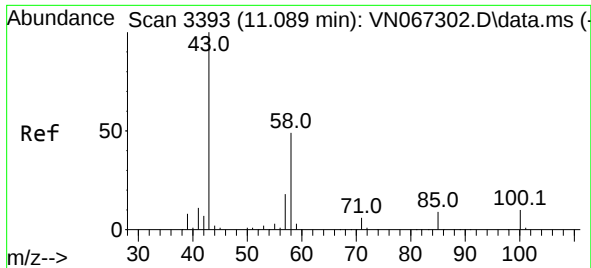
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 220.8 18.0 27.0#
58 0.0 57.7 86.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion: 117 Resp: 404263
Ion Ratio Lower Upper
117 100
82 65.7 52.5 78.7
119 31.8 25.8 38.8

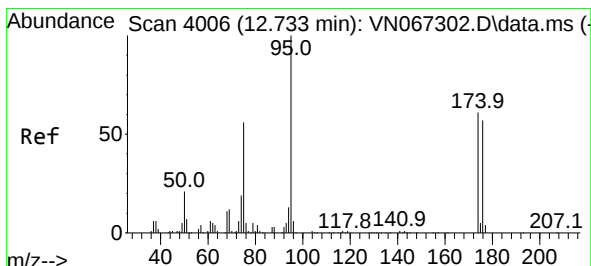
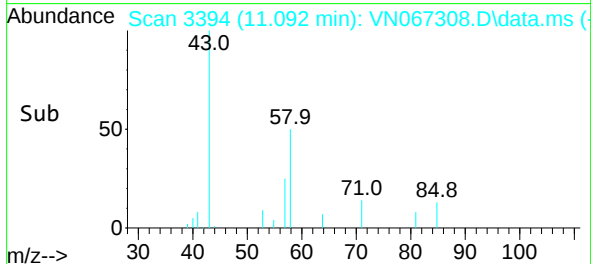
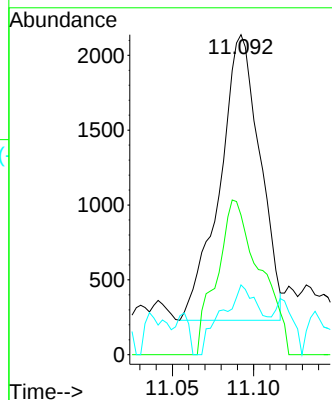
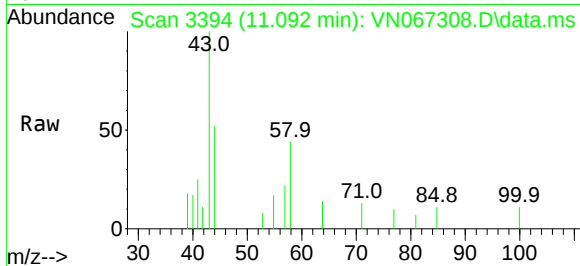




#59
2-Hexanone
Concen: 0.511 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

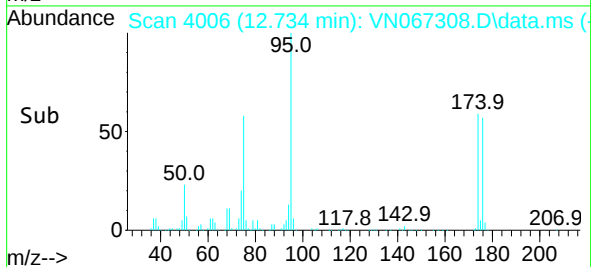
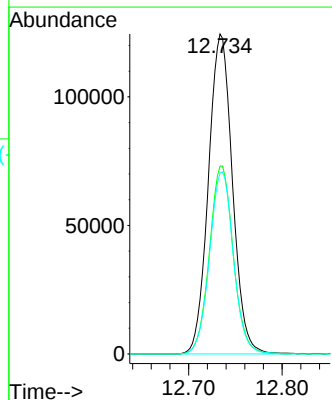
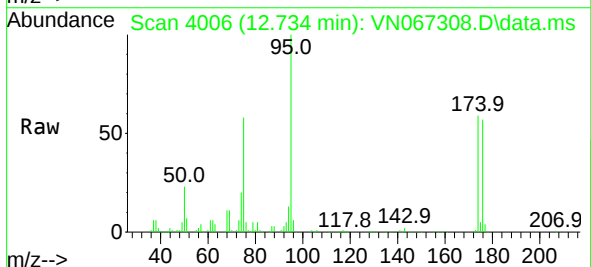
Instrument :
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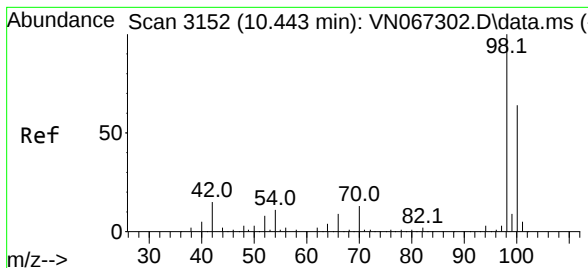
Tgt Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
58 0.0 39.4 59.0#
57 10.5 14.4 21.6#



#60
4-Bromofluorobenzene
Concen: 28.435 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion: 95 Resp: 221930
Ion Ratio Lower Upper
95 100
174 58.4 47.7 71.5
176 56.5 45.7 68.5

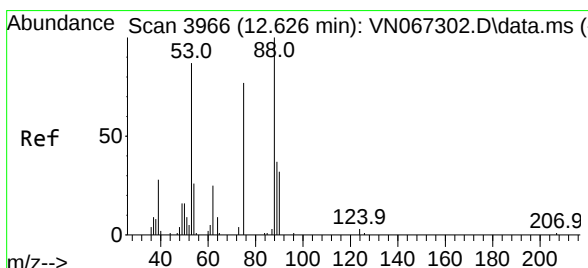
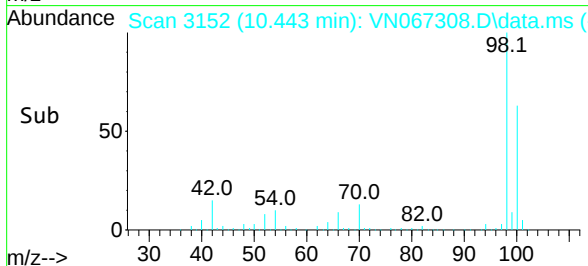
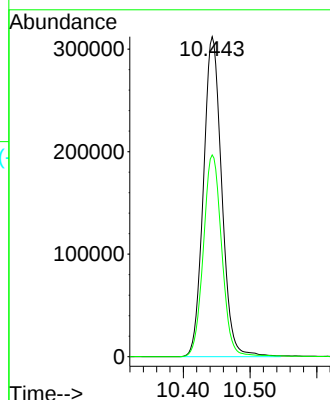
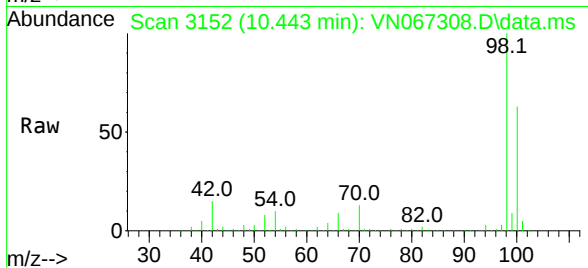




#63
Toluene-d8
Concen: 30.876 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

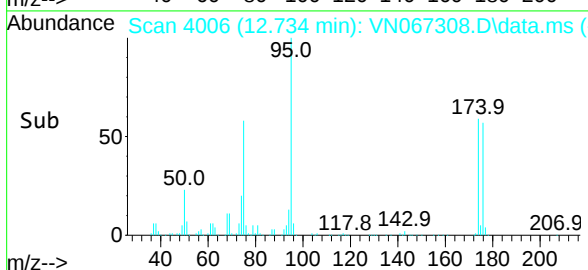
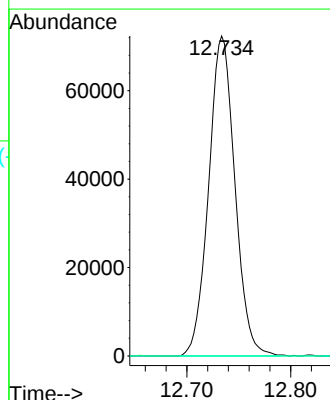
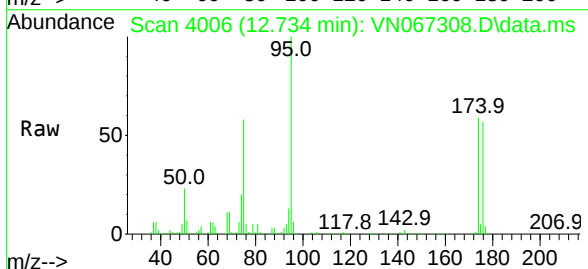
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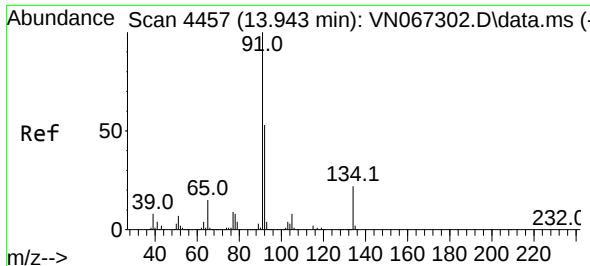
Tgt Ion: 98 Resp: 595285
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 47.249 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion: 75 Resp: 127176
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#

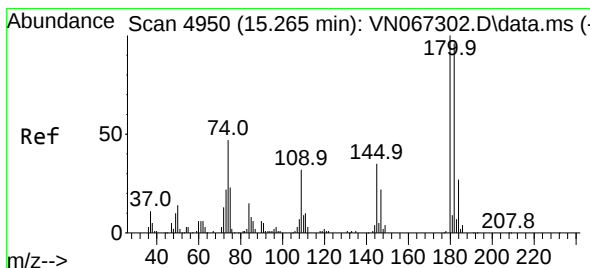
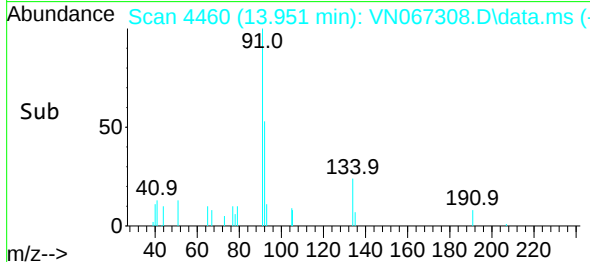
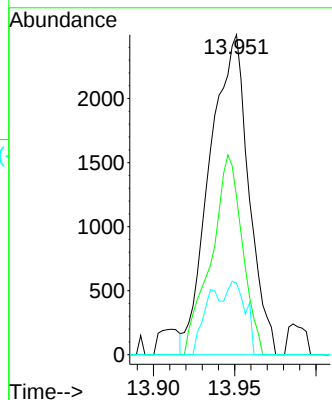
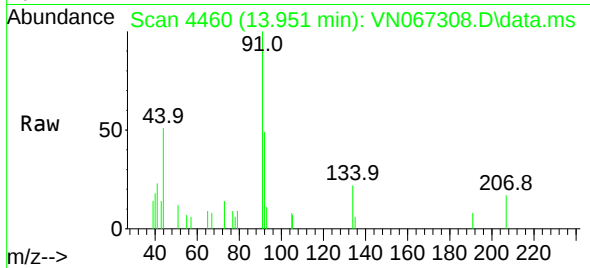




#85
n-Butylbenzene
Concen: 0.229 ug/l
RT: 13.951 min Scan# 4460
Delta R.T. 0.008 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

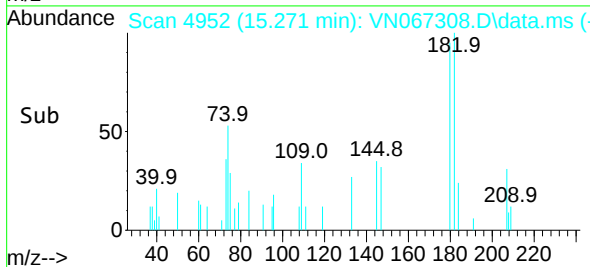
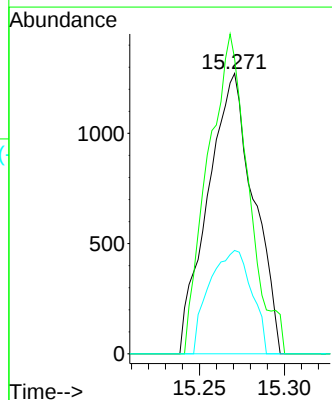
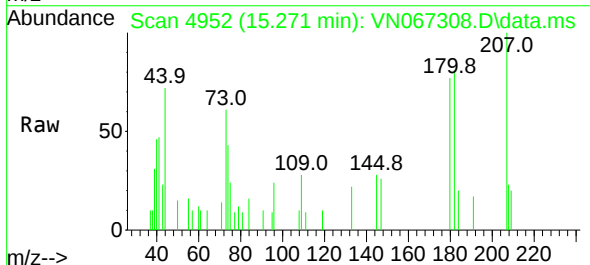
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL02

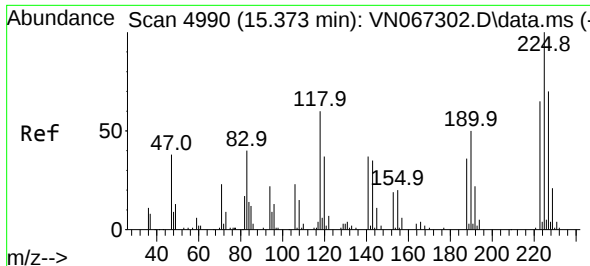
Tgt Ion: 91	Resp: 4144
Ion Ratio	Lower Upper
91 100	
92 50.3	0.0 103.0
134 4.5	0.0 43.6



#89
1,2,4-Trichlorobenzene
Concen: 0.503 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.005 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion: 180	Resp: 2387
Ion Ratio	Lower Upper
180 100	
182 98.7	75.9 113.9
145 34.0	28.8 43.2

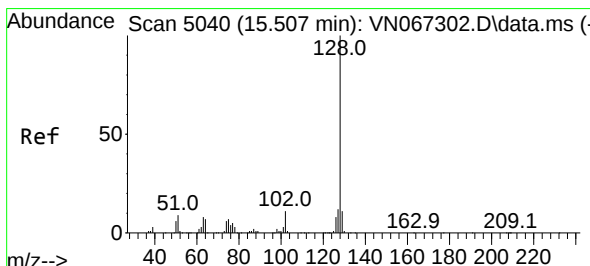
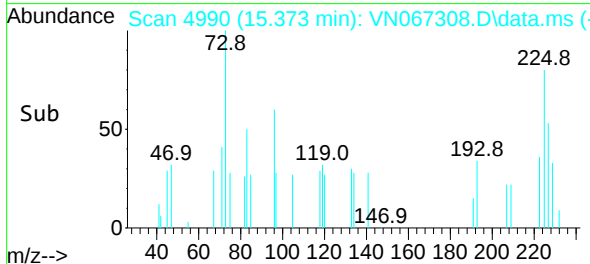
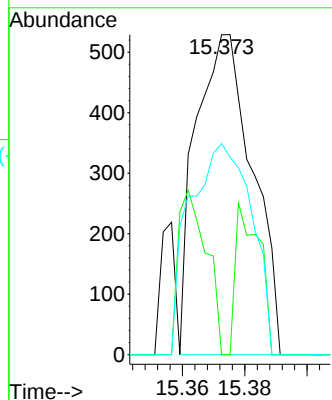
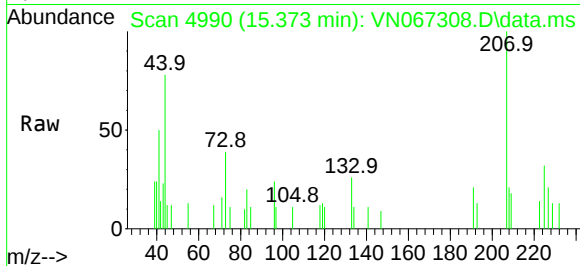




#90
Hexachlorobutadiene
Concen: 0.266 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. 0.000 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

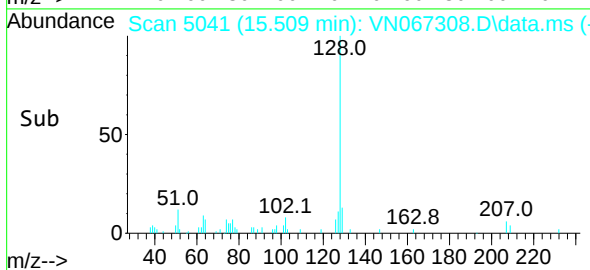
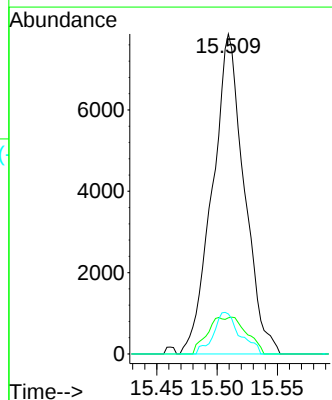
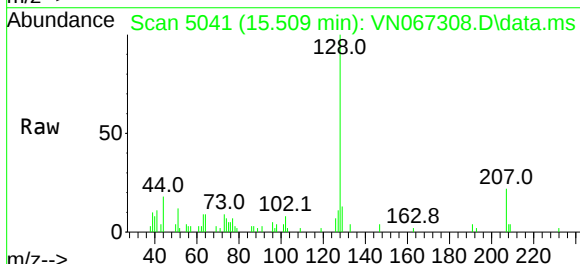
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL02

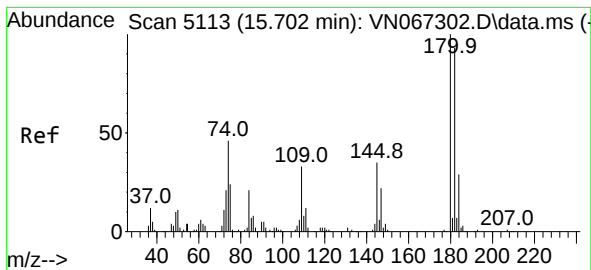
Tgt Ion:225 Resp: 669
Ion Ratio Lower Upper
225 100
223 10.8 0.0 129.6
227 71.7 0.0 131.2



#91
Naphthalene
Concen: 0.903 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN067308.D
Acq: 12 Jun 2021 1:36

Tgt Ion:128 Resp: 14381
Ion Ratio Lower Upper
128 100
127 6.8 10.1 15.1#
129 10.1 8.9 13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 0.586 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN067308.D
 Acq: 12 Jun 2021 1:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBL02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	41.6	0.0	184.6
145	18.3	0.0	76.0

