

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069711.D
 Acq On : 3 Dec 2021 11:28
 Operator : JC/MD
 Sample : VN1203WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBL01

Quant Time: Dec 04 05:28:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

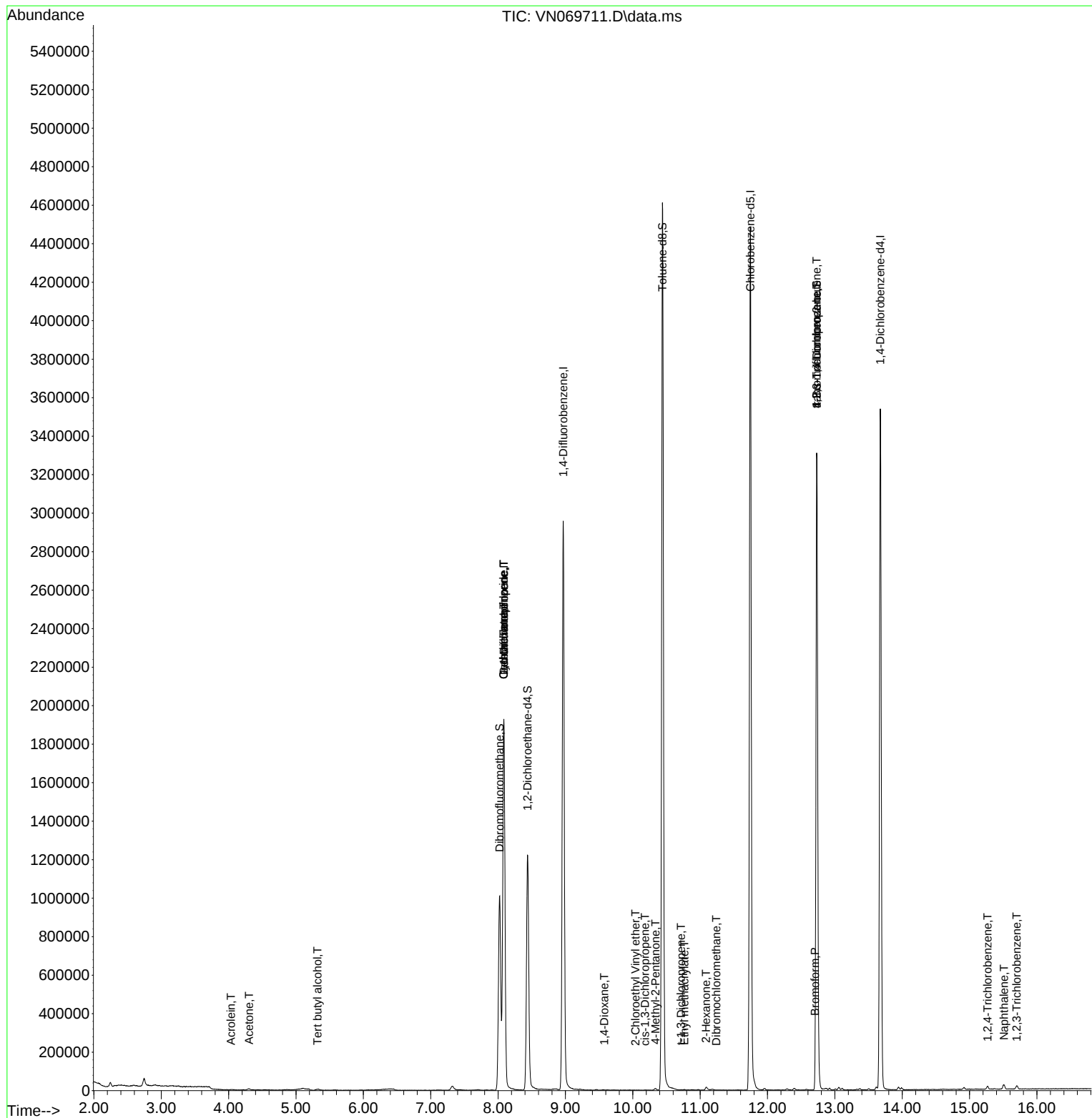
Internal Standards						
1) Pentafluorobenzene	8.086	168	1442889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2511748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2543004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	949969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1074455	48.229	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.460%
35) Dibromofluoromethane	8.021	113	739787	47.021	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.040%
50) Toluene-d8	10.440	98	3186108	50.434	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.860%
62) 4-Bromofluorobenzene	12.731	95	1169384	51.095	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.318	59	2885	0.685	ug/l #	71
13) Acrolein	4.033	56	764	0.213	ug/l #	75
16) Acetone	4.304	43	9233	0.689	ug/l	95
31) Cyclohexane	8.083	56	37350	1.205	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	122985	5.143	ug/l #	49
38) Carbon Tetrachloride	8.083	117	148557	6.336	ug/l #	16
49) 1,4-Dioxane	9.577	88	176	0.399	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	7141	0.209	ug/l #	64
53) t-1,3-Dichloropropene	10.717	75	449	2.809	ug/l #	65
54) cis-1,3-Dichloropropene	10.183	75	484	2.014	ug/l #	49
56) Ethyl methacrylate	10.765	69	1159	2.312	ug/l #	73
58) 2-Chloroethyl Vinyl ether	10.041	63	53	18.394	ug/l #	45
59) 2-Hexanone	11.087	43	14957	0.579	ug/l	84
60) Dibromochloromethane	11.240	129	26	2.377	ug/l #	11
71) Bromoform	12.704	173	119	2.738	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	654423	24.022	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	654423	76.296	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	5201	3.192	ug/l	95
95) Naphthalene	15.512	128	20675	4.395	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.700	180	6139	2.820	ug/l	97

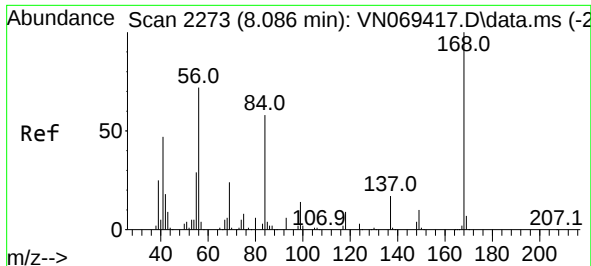
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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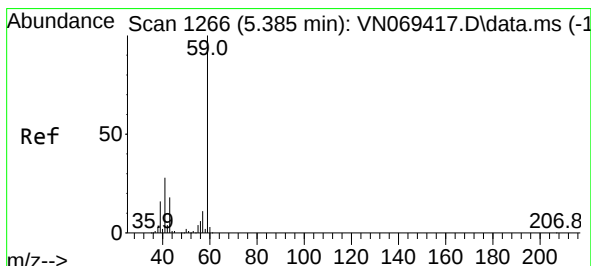
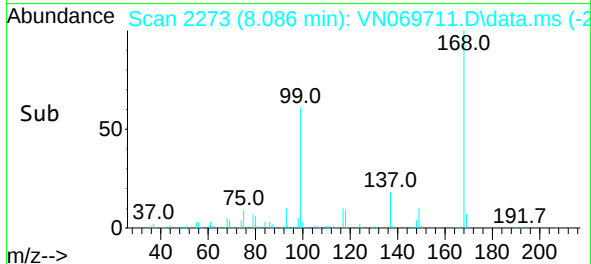
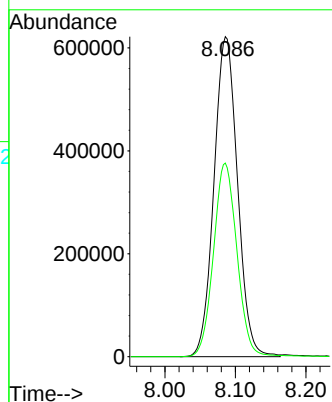
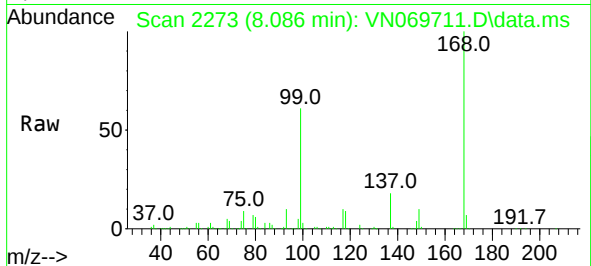




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

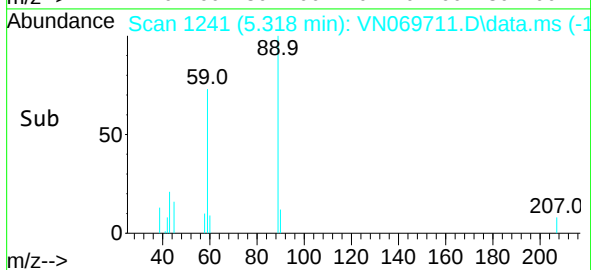
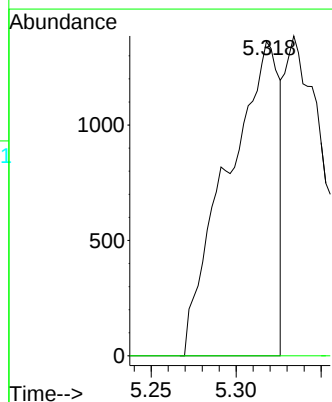
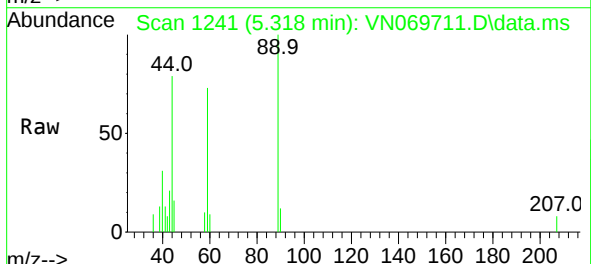
Instrument :
MSVOA_N
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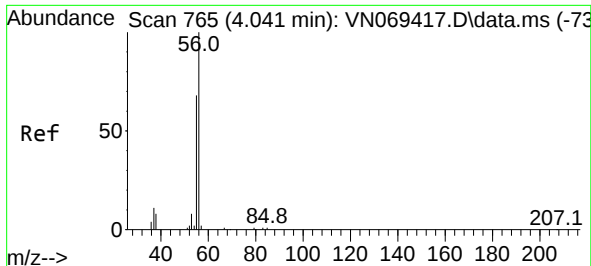
Tgt Ion:168 Resp: 1442889
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.685 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion: 59 Resp: 2885
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

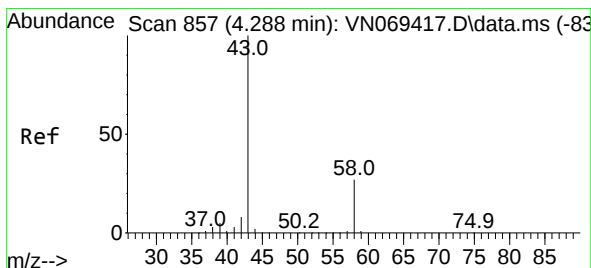
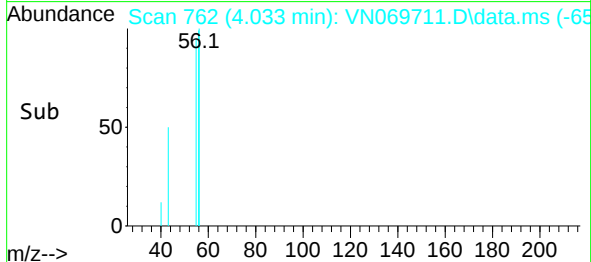
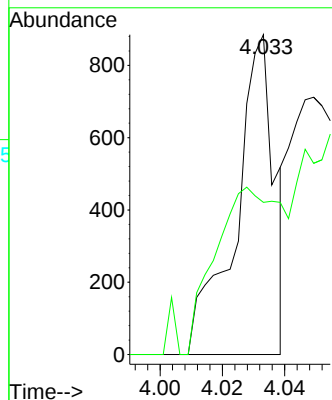
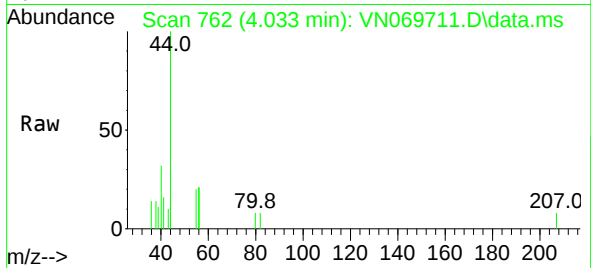




#13
Acrolein
Concen: 0.213 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

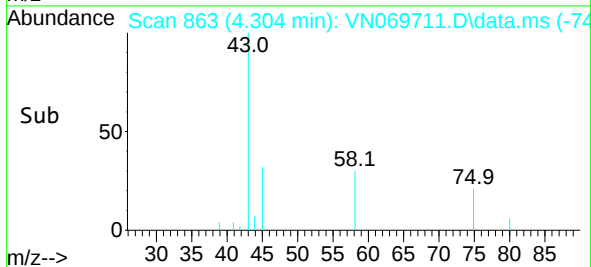
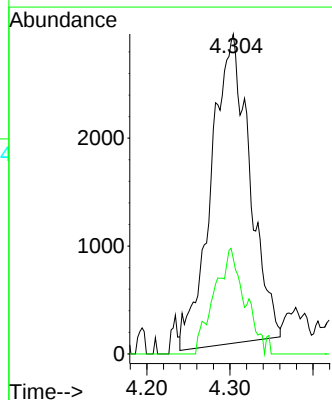
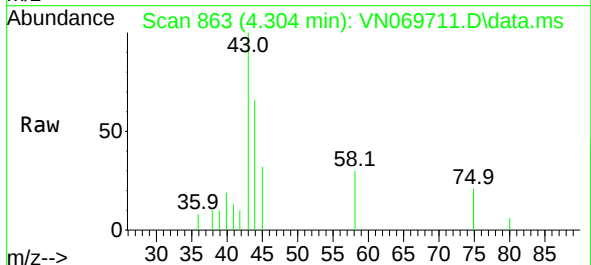
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VN1203WBL01

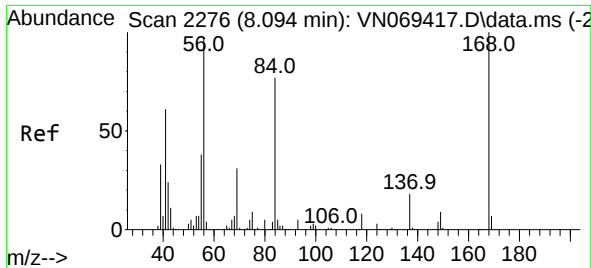
Tgt Ion: 56 Resp: 764
Ion Ratio Lower Upper
56 100
55 91.8 56.6 85.0#



#16
Acetone
Concen: 0.689 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.014 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion: 43 Resp: 9233
Ion Ratio Lower Upper
43 100
58 31.4 23.1 34.7

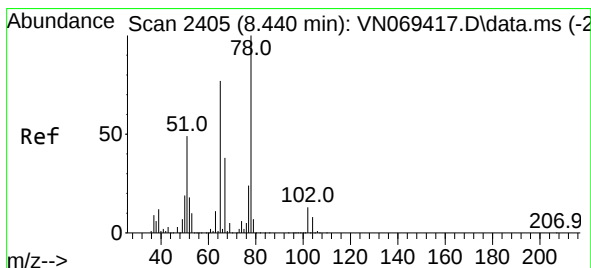
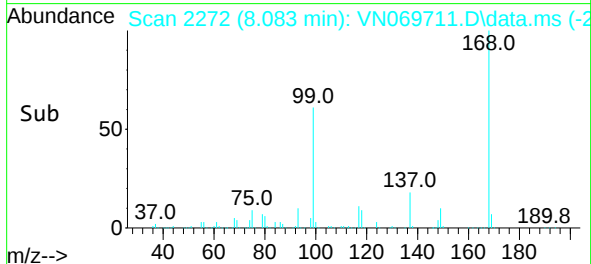
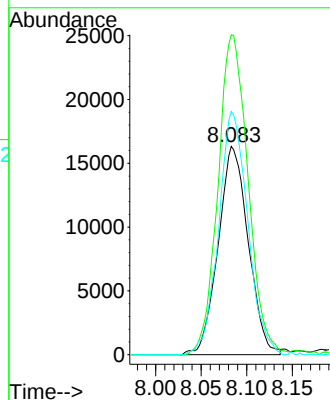
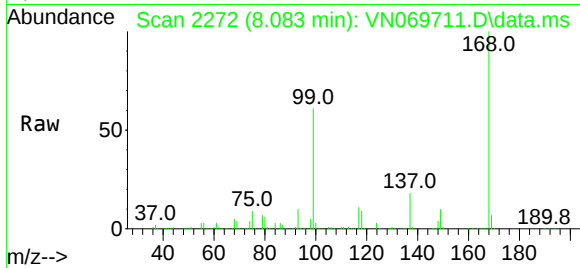




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

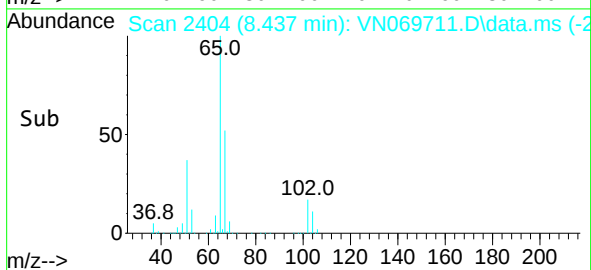
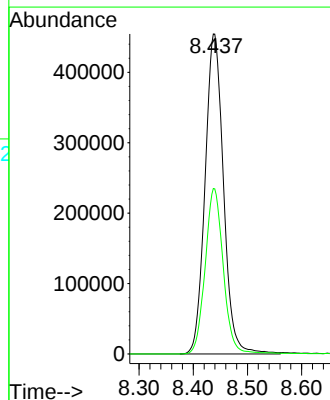
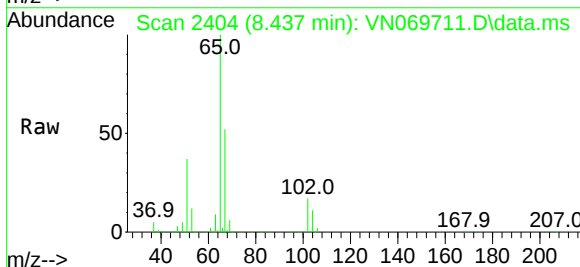
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

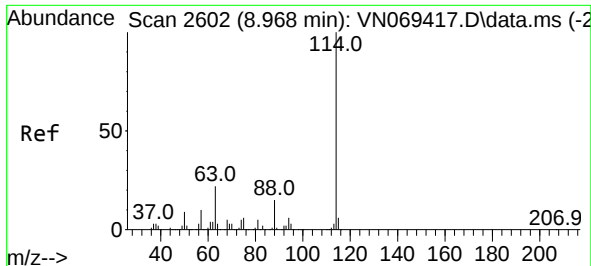
Tgt Ion: 56 Resp: 37350
Ion Ratio Lower Upper
56 100
69 153.6 27.1 40.7#
84 116.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.229 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

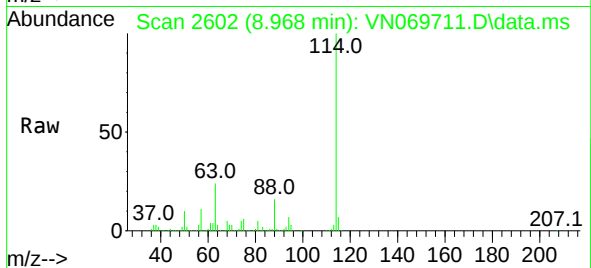
Tgt Ion: 65 Resp: 1074455
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



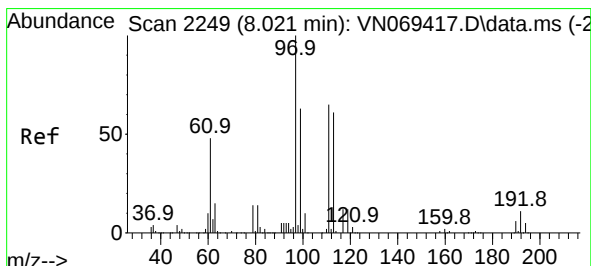
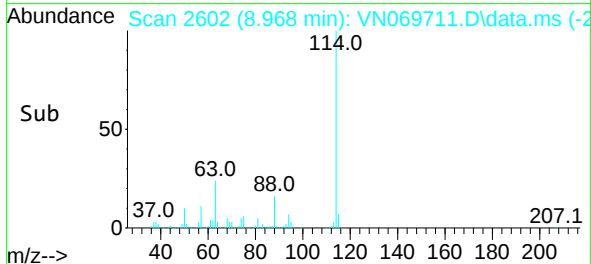
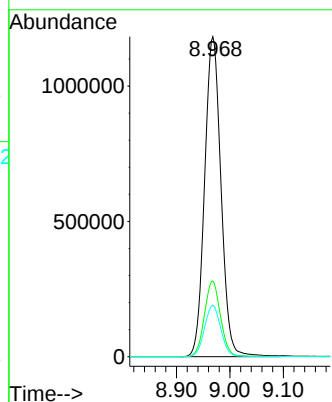


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

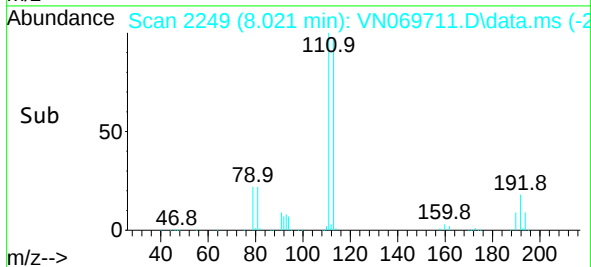
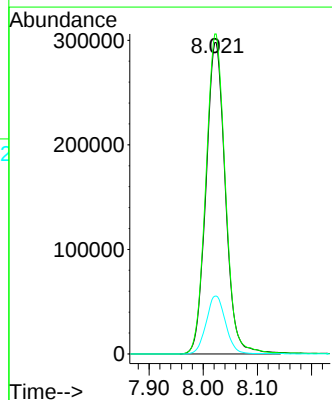
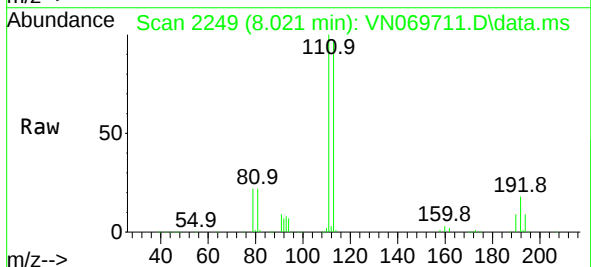


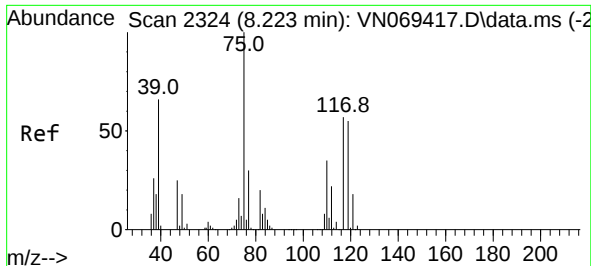
Tgt Ion:114 Resp: 2511748
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.021 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion:113 Resp: 739787
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.6 16.9 25.3

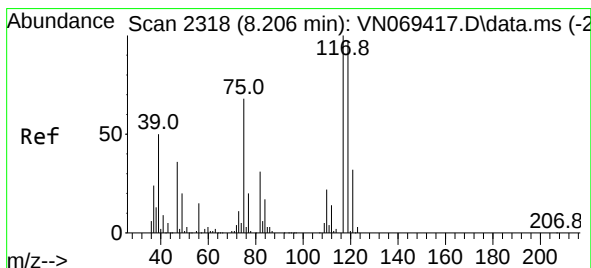
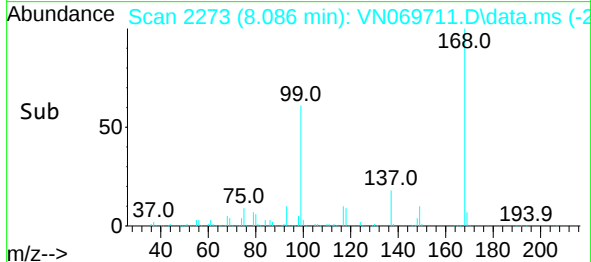
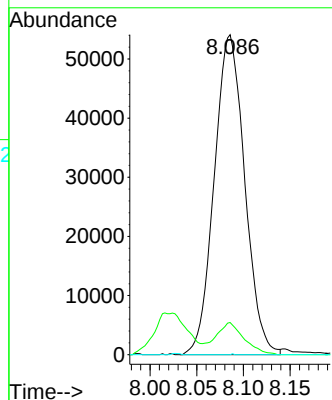
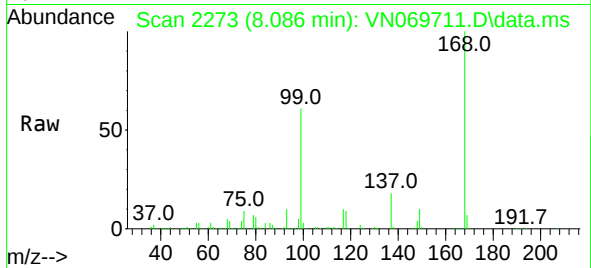




#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN069711.D
 Acq: 3 Dec 2021 11:28

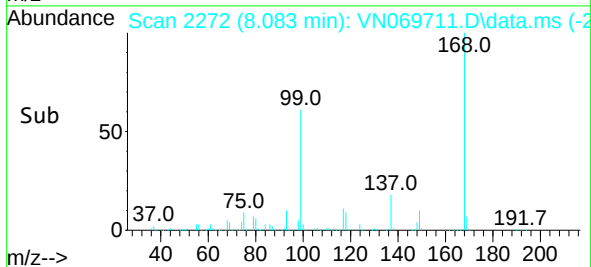
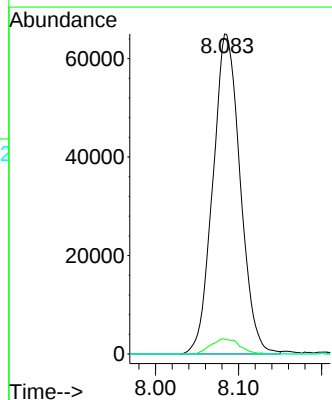
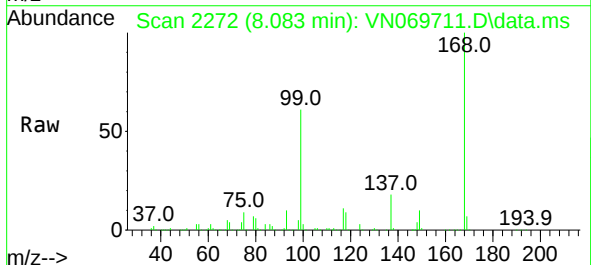
Instrument :
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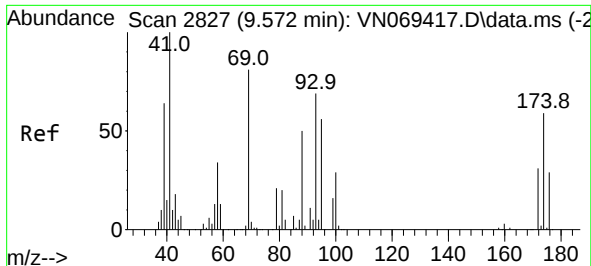
Tgt Ion: 75 Resp: 122985
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.336 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.123 min
 Lab File: VN069711.D
 Acq: 3 Dec 2021 11:28

Tgt Ion: 117 Resp: 148557
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.399 ug/l

RT: 9.577 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN069711.D

Acq: 3 Dec 2021 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBL01

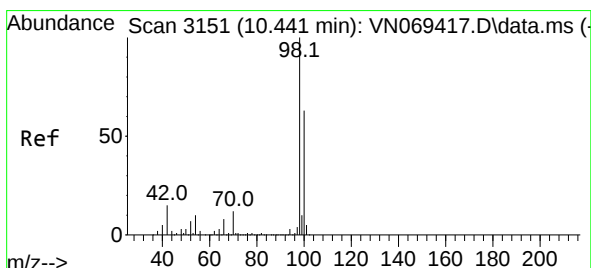
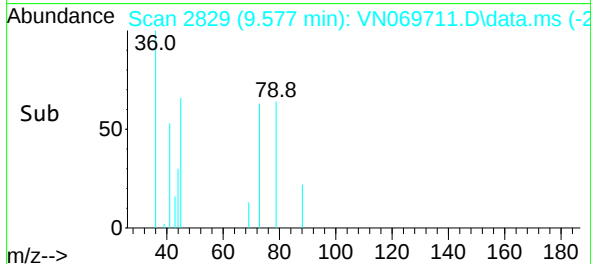
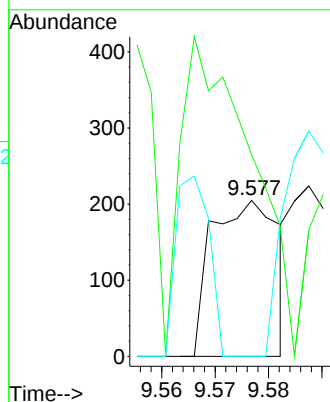
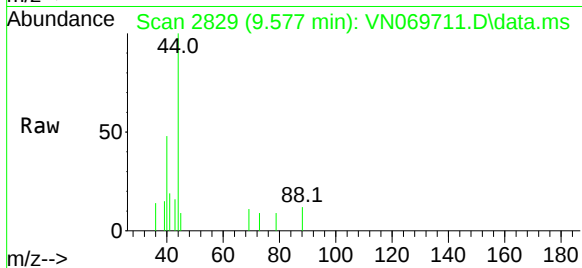
Tgt Ion: 88 Resp: 176

Ion Ratio Lower Upper

88 100

43 218.8 23.4 35.2#

58 58.5 50.6 75.8



#50

Toluene-d8

Concen: 50.434 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069711.D

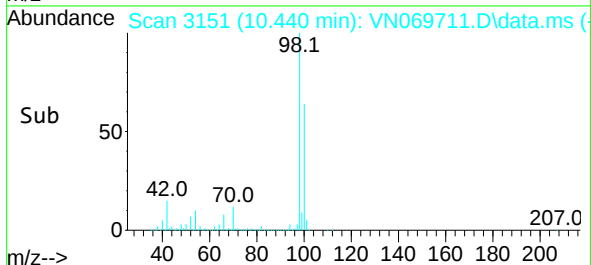
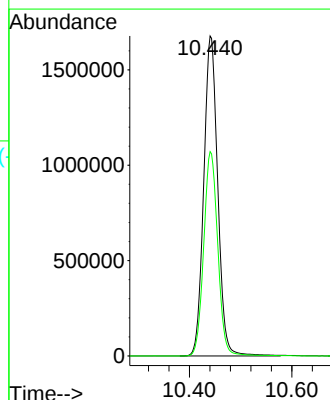
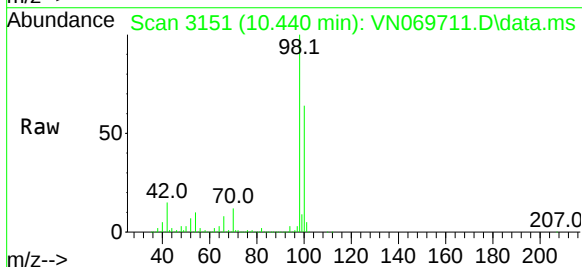
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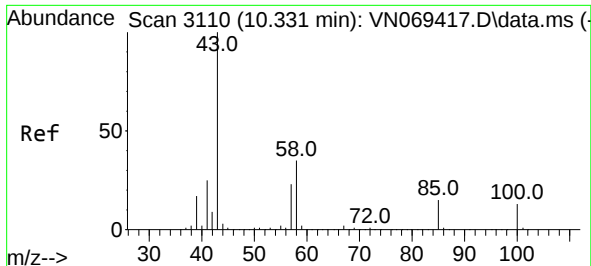
Tgt Ion: 98 Resp: 3186108

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6

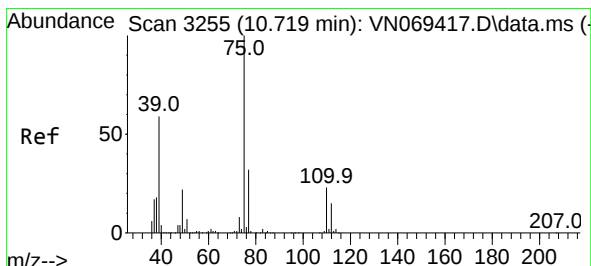
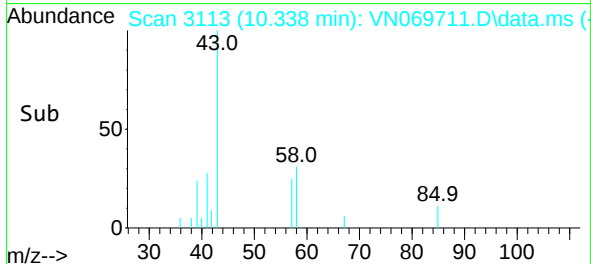
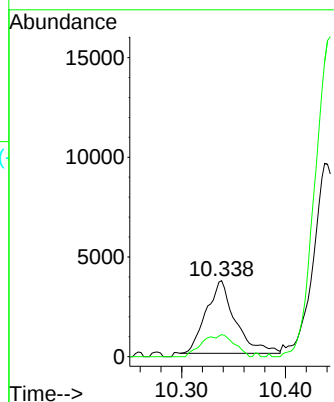
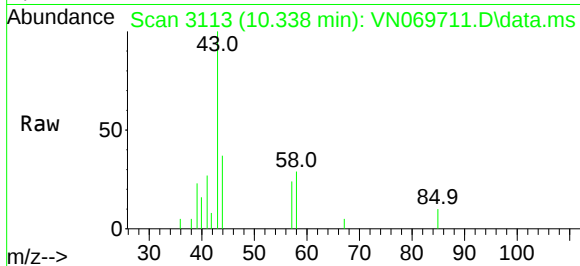




#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 10.338 min Scan# 3110
Delta R.T. 0.005 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

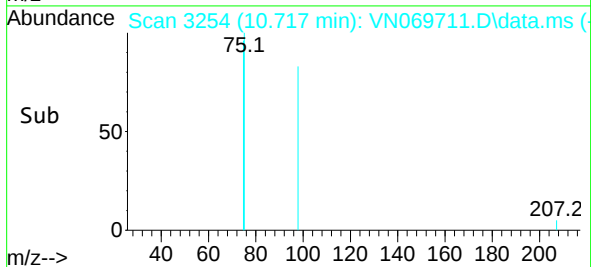
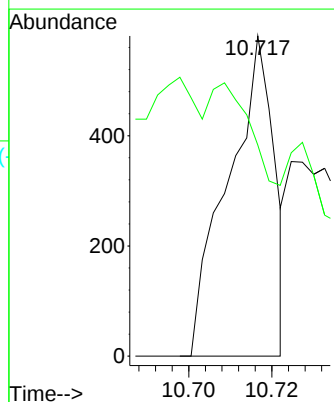
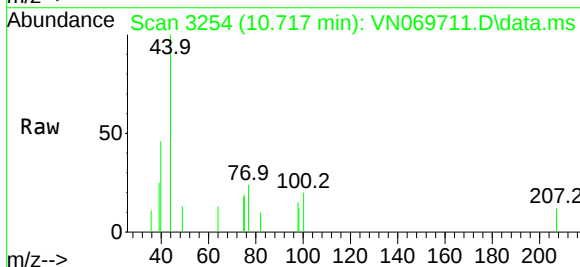
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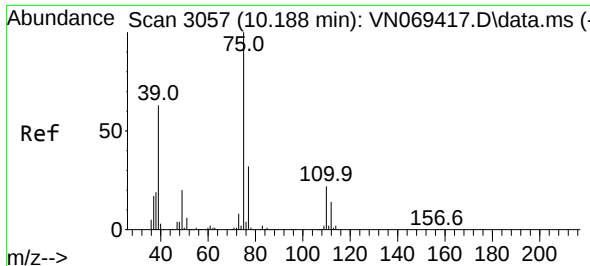
Tgt Ion: 43 Resp: 7141
Ion Ratio Lower Upper
43 100
58 16.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.809 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion: 75 Resp: 449
Ion Ratio Lower Upper
75 100
77 12.6 25.6 38.4#

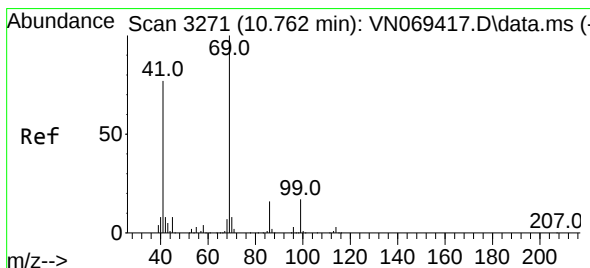
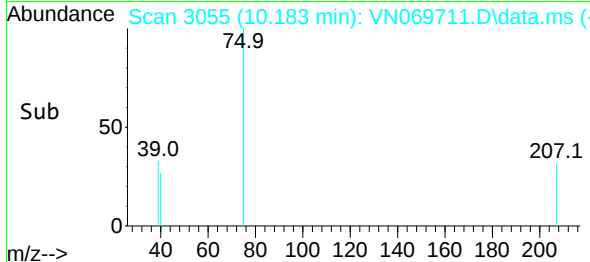
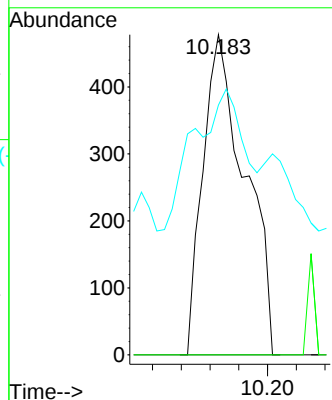
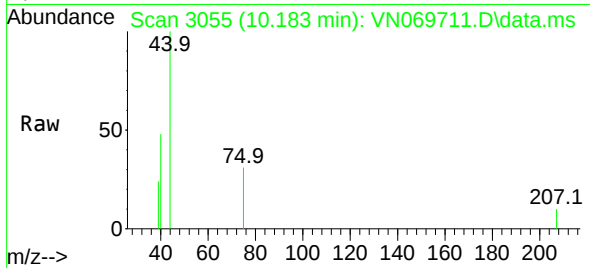




#54
 cis-1,3-Dichloropropene
 Concen: 2.014 ug/l
 RT: 10.183 min Scan# 3057
 Delta R.T. -0.008 min
 Lab File: VN069711.D
 Acq: 3 Dec 2021 11:28

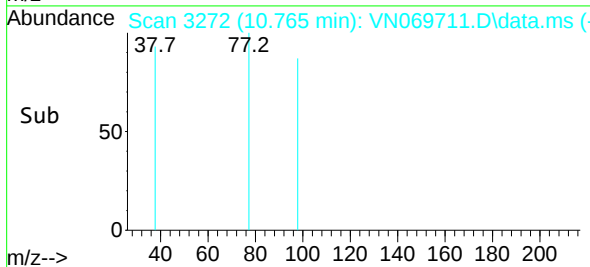
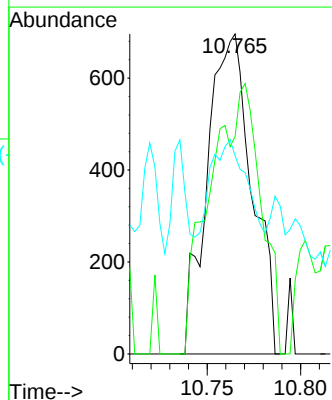
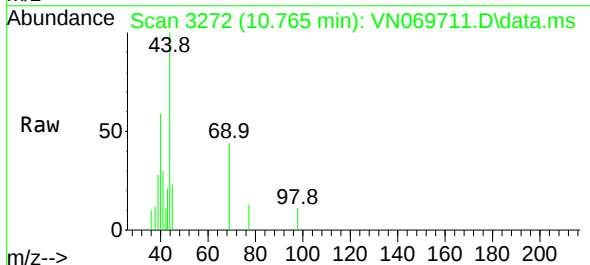
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBL01

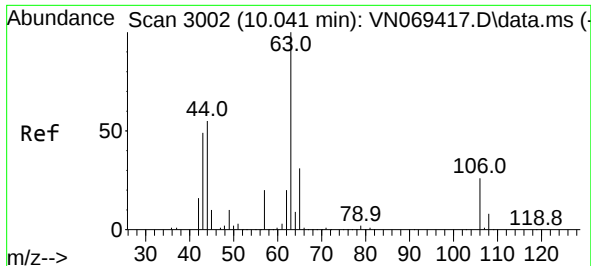
Tgt Ion: 75 Resp: 484
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 20.5 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.312 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: VN069711.D
 Acq: 3 Dec 2021 11:28

Tgt Ion: 69 Resp: 1159
 Ion Ratio Lower Upper
 69 100
 41 45.5 51.4 77.0#
 39 22.9 34.6 52.0#

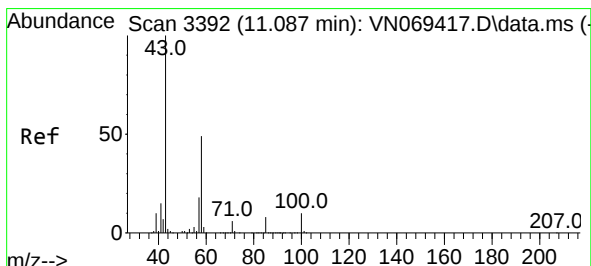
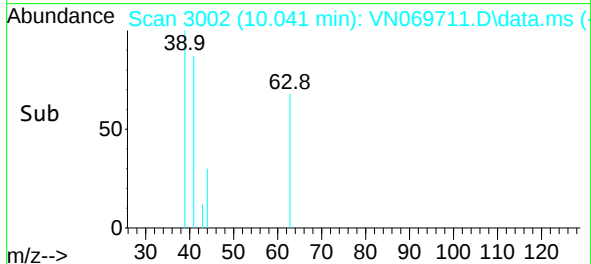
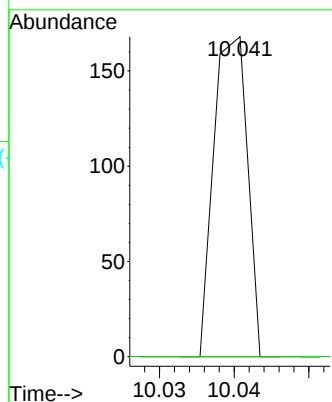
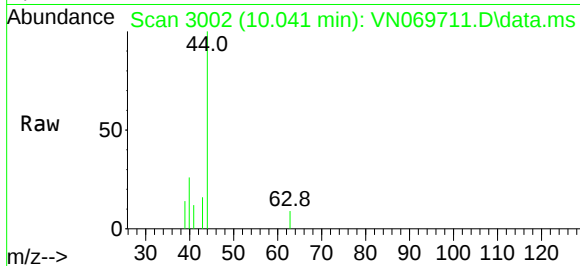




#58
2-Chloroethyl Vinyl ether
Concen: 18.394 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.002 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

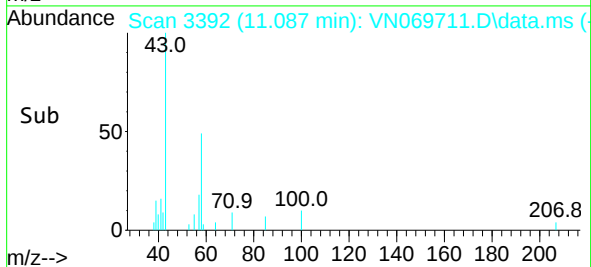
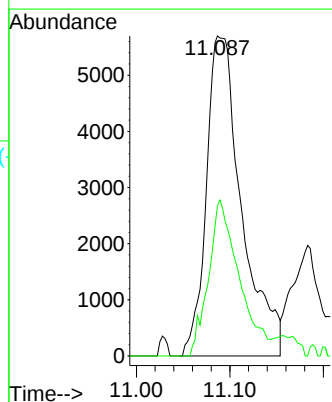
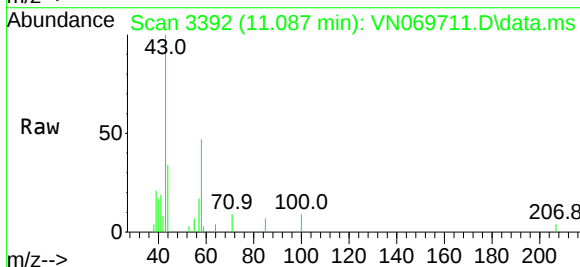
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

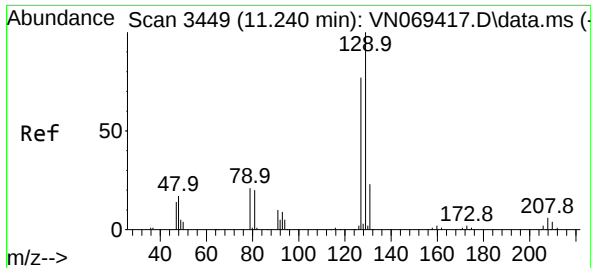
Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.579 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion: 43 Resp: 14957
Ion Ratio Lower Upper
43 100
58 42.4 26.9 80.7

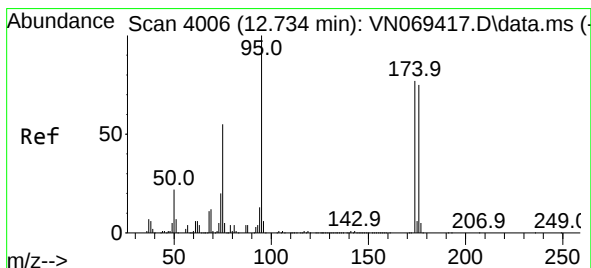
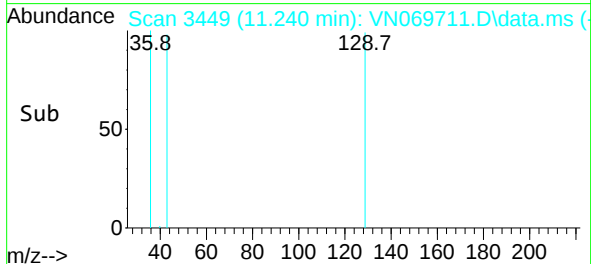
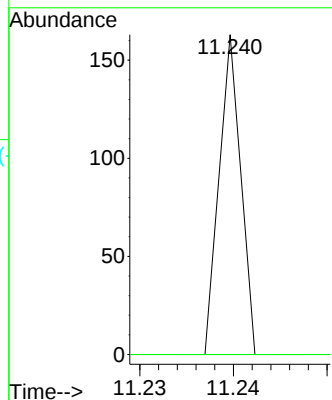
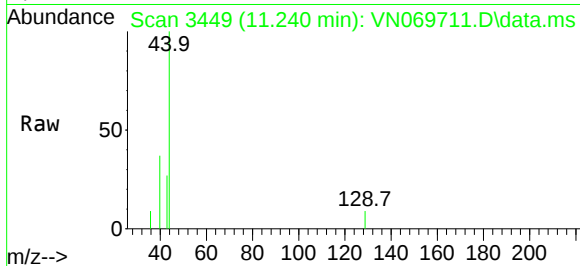




#60
Dibromochloromethane
Concen: 2.377 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

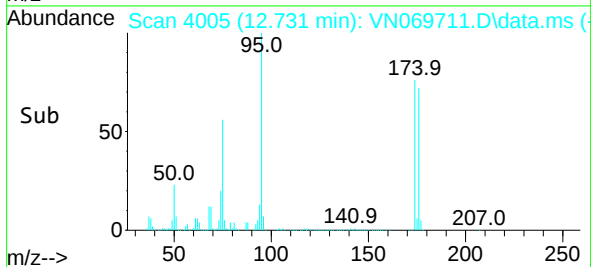
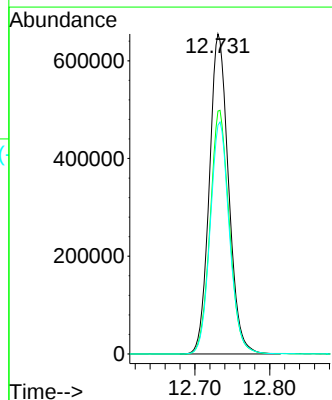
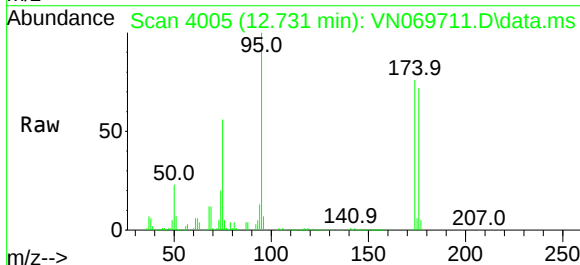
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

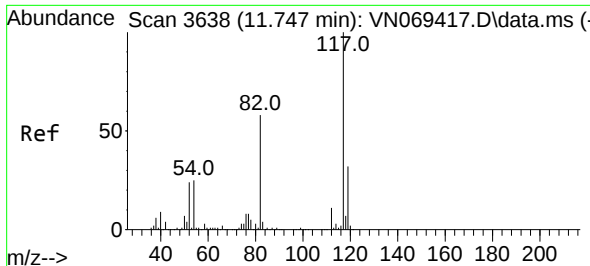
Tgt Ion:129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.095 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion: 95 Resp: 1169384
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 72.7 0.0 181.4

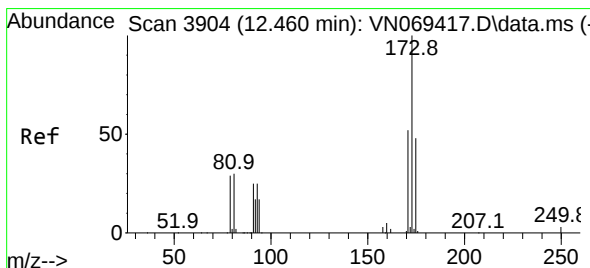
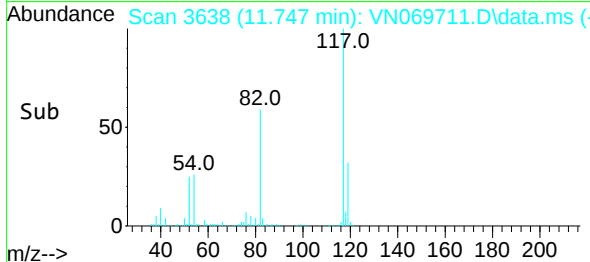
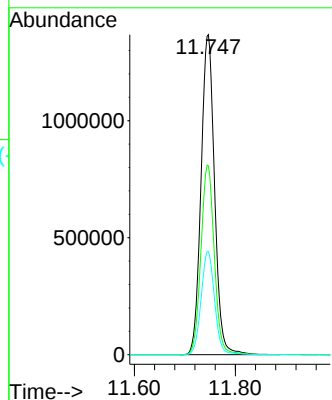
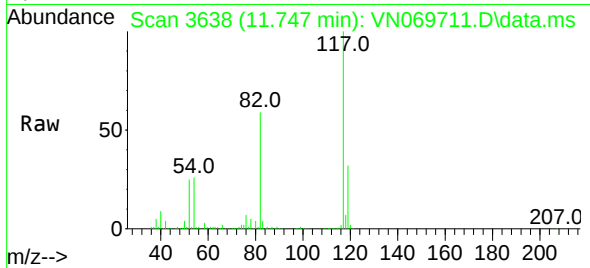




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.001 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

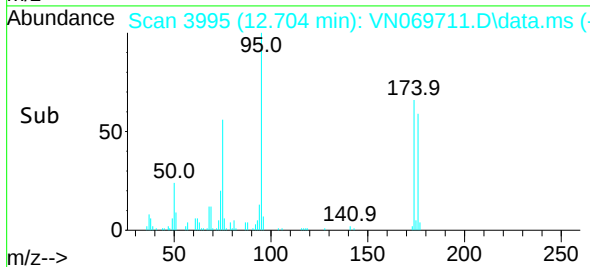
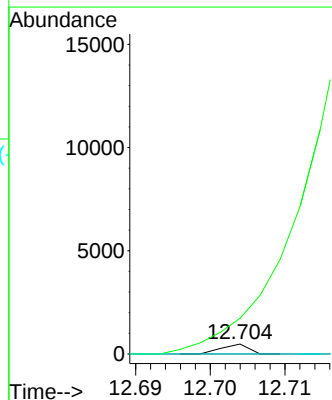
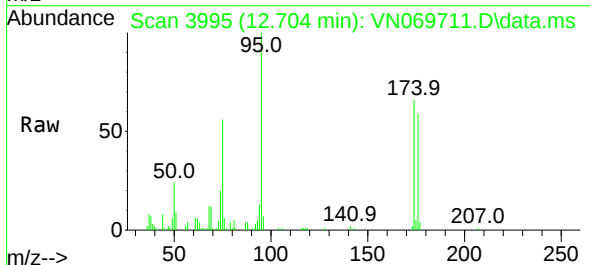
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

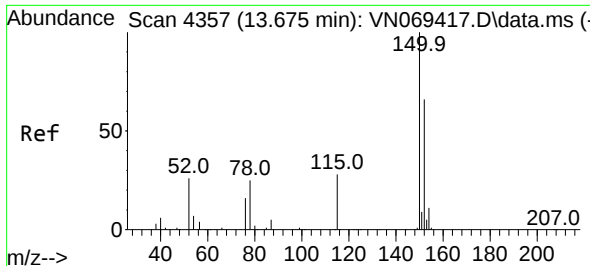
Tgt Ion:117 Resp: 2543004
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 2.738 ug/l
RT: 12.704 min Scan# 3995
Delta R.T. 0.244 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion:173 Resp: 119
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

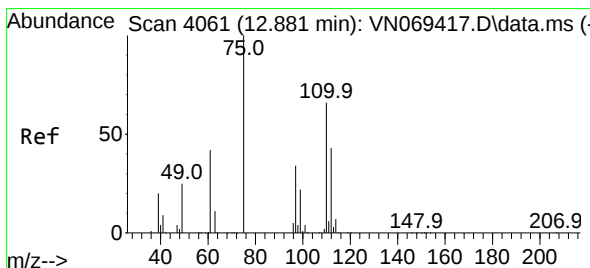
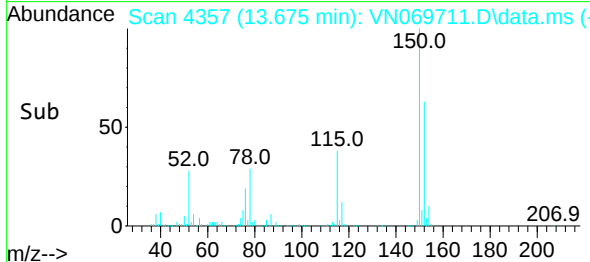
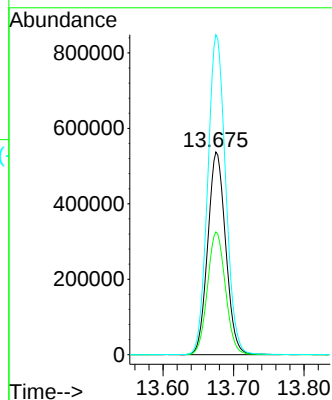
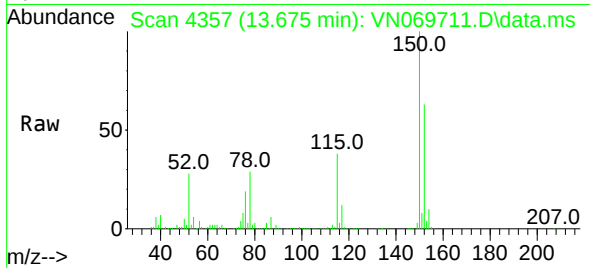




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

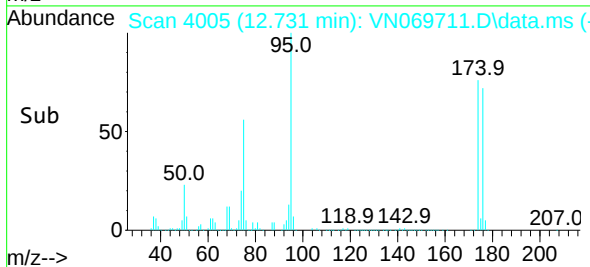
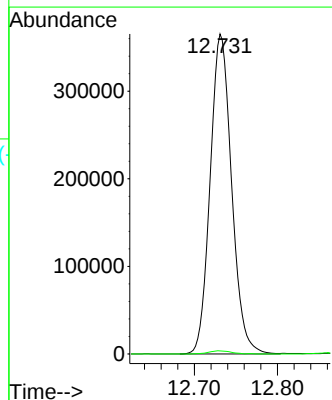
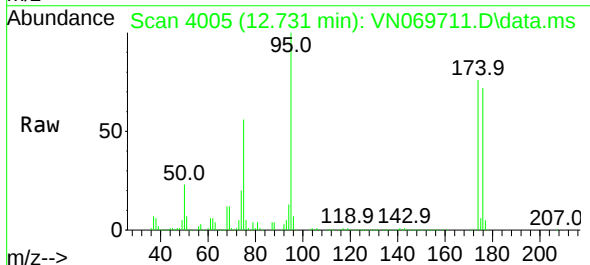
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

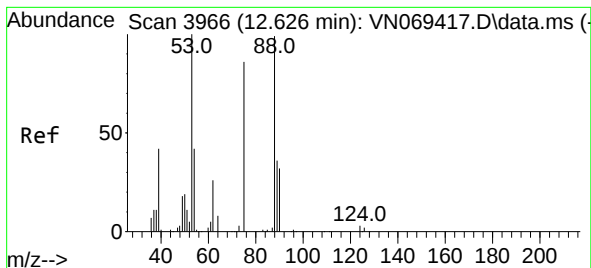
Tgt Ion:152 Resp: 949969
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.022 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion: 75 Resp: 654423
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

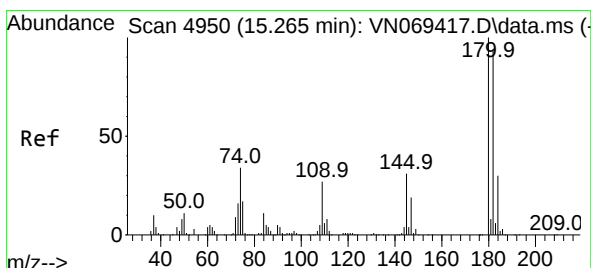
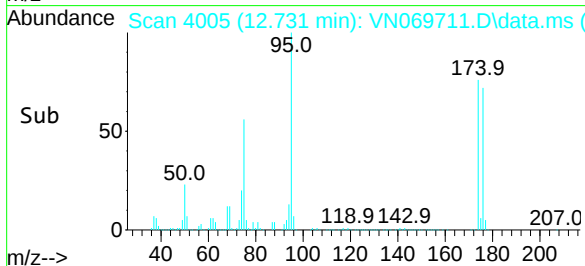
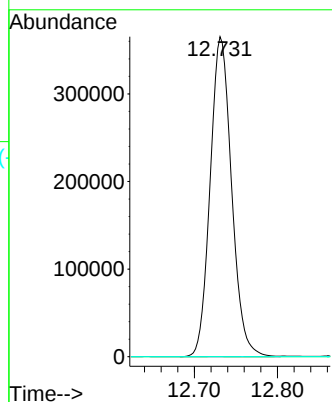
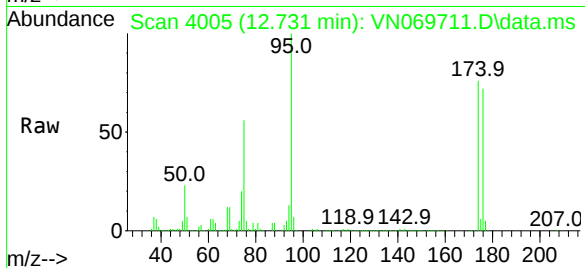




#81
trans-1,4-Dichloro-2-butene
Concen: 76.296 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

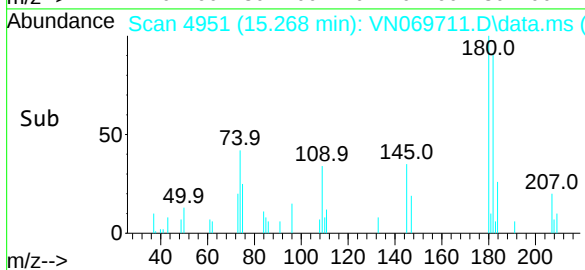
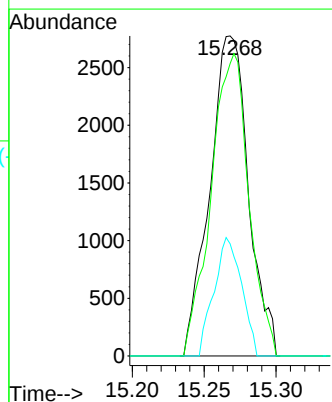
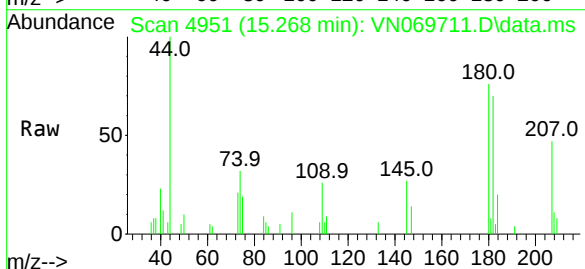
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

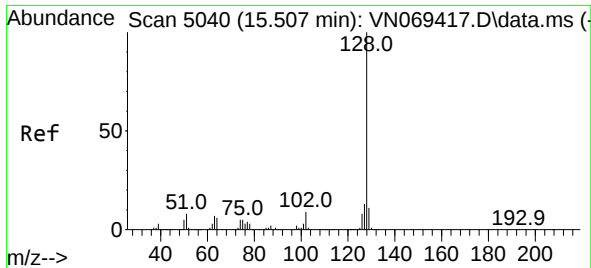
Tgt Ion: 75 Resp: 654423
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.192 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion:180 Resp: 5201
Ion Ratio Lower Upper
180 100
182 92.0 48.3 144.9
145 26.2 14.5 43.5

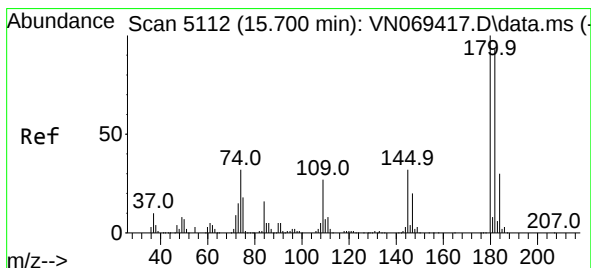
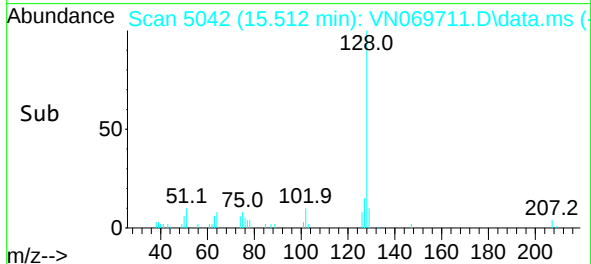
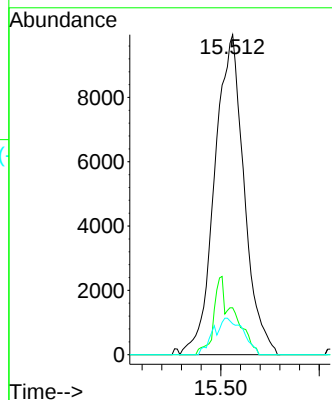
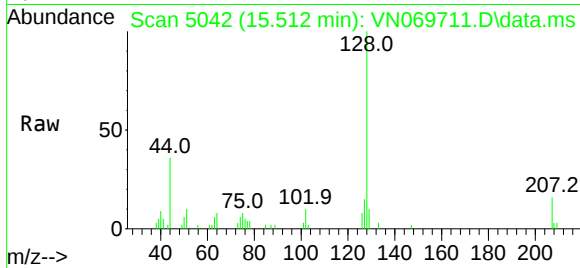




#95
Naphthalene
Concen: 4.395 ug/l
RT: 15.512 min Scan# 5040
Delta R.T. 0.005 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

Tgt Ion:128 Resp: 20675
Ion Ratio Lower Upper
128 100
127 9.8 10.5 15.7#
129 8.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.820 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069711.D
Acq: 3 Dec 2021 11:28

Tgt Ion:180 Resp: 6139
Ion Ratio Lower Upper
180 100
182 94.2 47.4 142.2
145 35.0 15.0 45.1

