

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069729.D
 Acq On : 3 Dec 2021 19:54
 Operator : JC/MD
 Sample : M4922-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20211129

Quant Time: Dec 04 05:36:23 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)

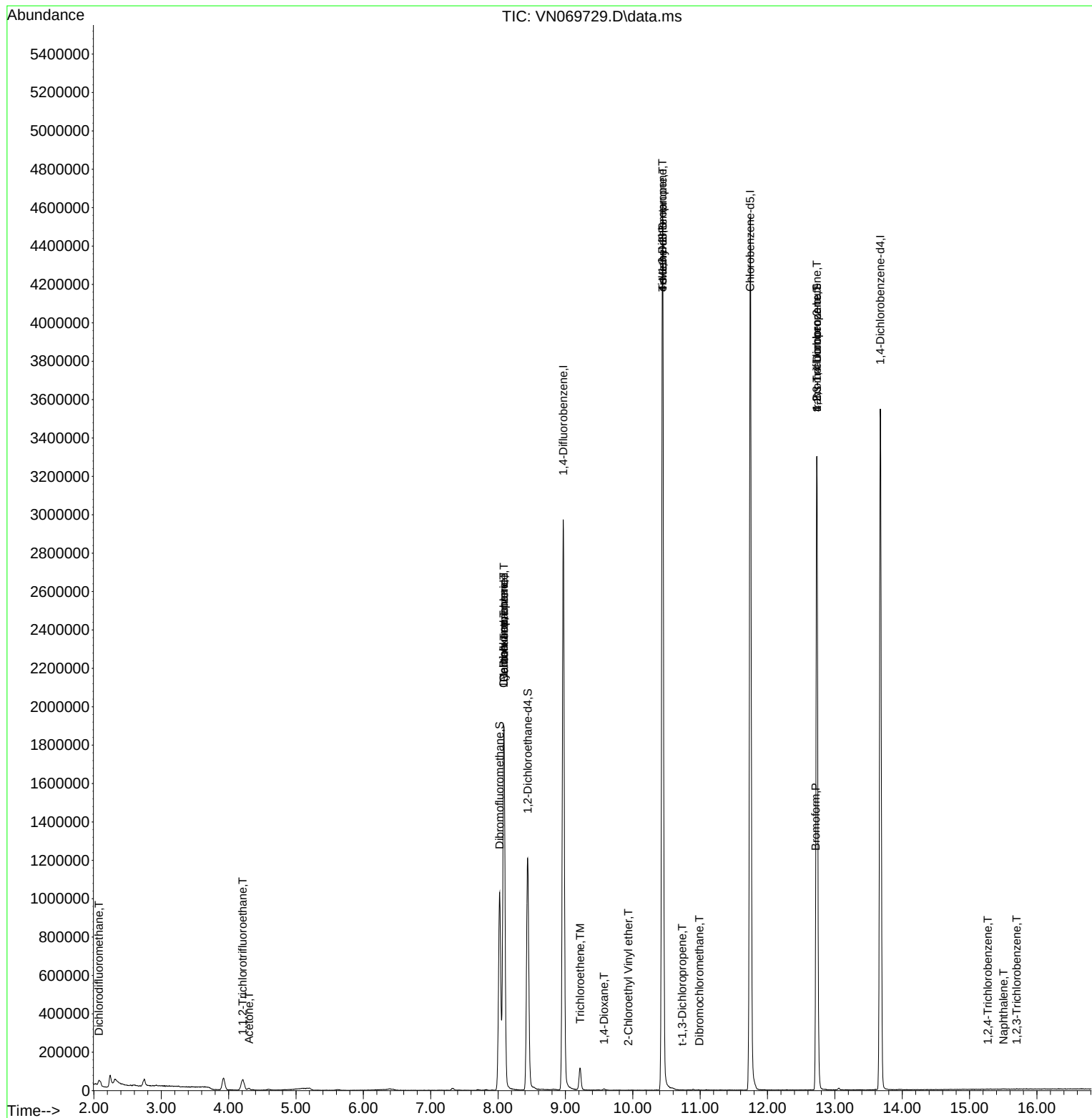
Internal Standards						
1) Pentafluorobenzene	8.086	168	1423577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2481053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2555956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	956034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1059861	48.219	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.440%
35) Dibromofluoromethane	8.021	113	737908	47.482	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.960%
50) Toluene-d8	10.443	98	3178531	50.937	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.880%
62) 4-Bromofluorobenzene	12.733	95	1165740	51.566	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.140%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	19299	1.162	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.207	101	35456	2.520	ug/l	93
16) Acetone	4.304	43	10612	0.803	ug/l #	81
31) Cyclohexane	8.083	56	37367	1.222	ug/l #	32
36) 1,1-Dichloropropene	8.083	75	121517	5.145	ug/l #	49
38) Carbon Tetrachloride	8.086	117	147615	6.373	ug/l #	16
44) Trichloroethene	9.217	130	39134	2.271	ug/l	90
49) 1,4-Dioxane	9.574	88	4812	11.047	ug/l #	73
51) 4-Methyl-2-Pentanone	10.443	43	17915	0.531	ug/l #	1
53) t-1,3-Dichloropropene	10.733	75	25	2.795	ug/l #	48
54) cis-1,3-Dichloropropene	10.440	75	728	2.022	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.933	63	25	18.391	ug/l #	45
60) Dibromochloromethane	10.987	129	141	2.383	ug/l #	11
71) Bromoform	12.715	173	707	2.774	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	650256	23.717	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	650256	75.380	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	138	2.886	ug/l #	12
95) Naphthalene	15.504	128	1508	4.015	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.700	180	113	2.443	ug/l #	28

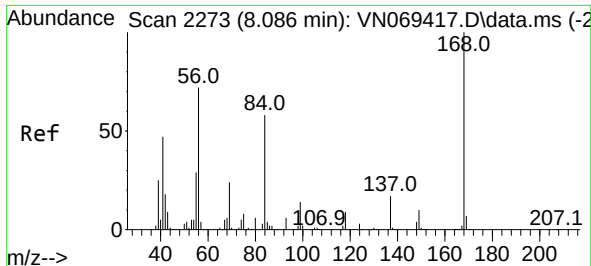
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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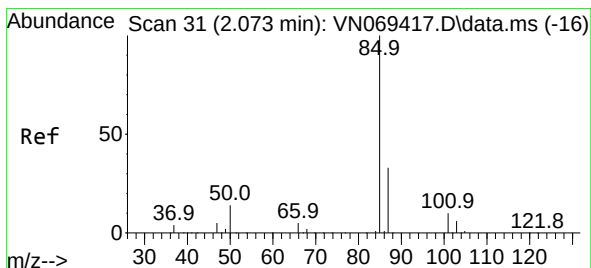
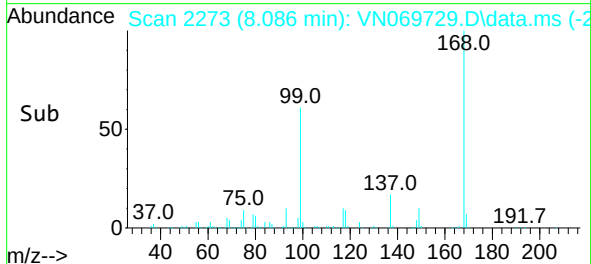
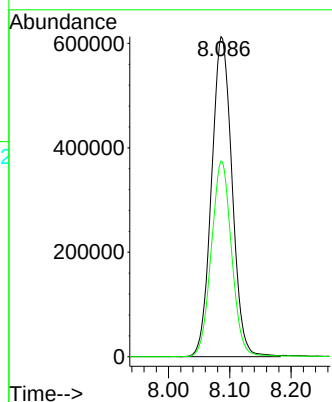
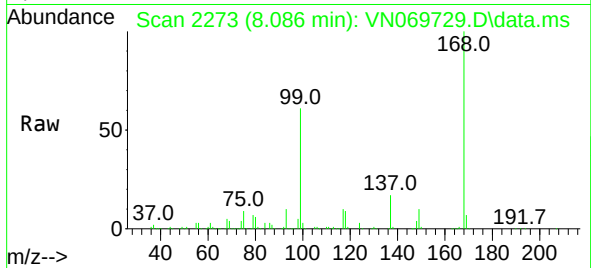




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

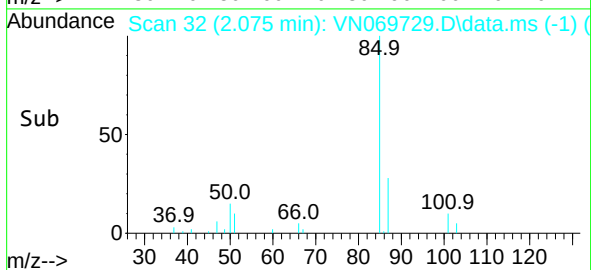
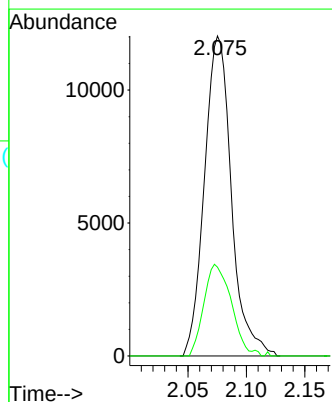
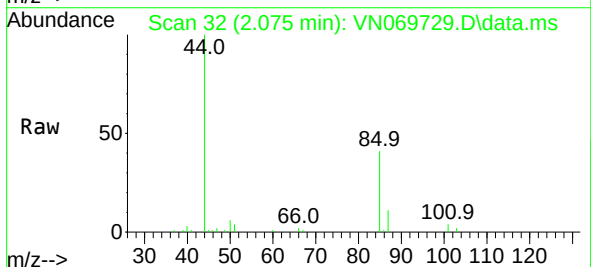
Instrument :
MSVOA_N
ClientSampleId :
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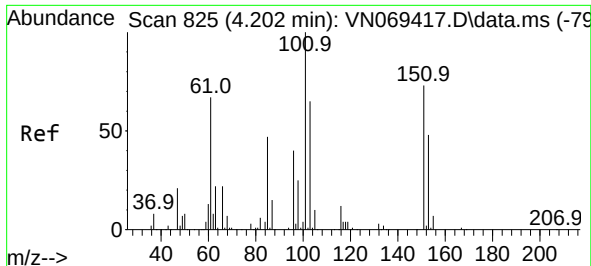
Tgt Ion:168 Resp: 1423577
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.162 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.003 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Tgt Ion: 85 Resp: 19299
Ion Ratio Lower Upper
85 100
87 27.7 16.3 48.9

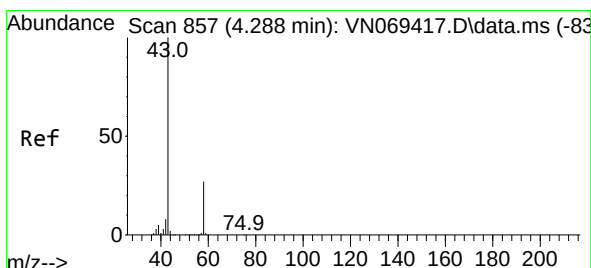
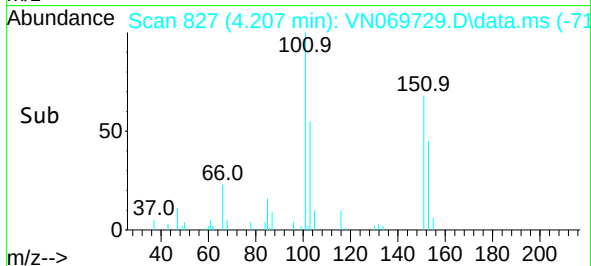
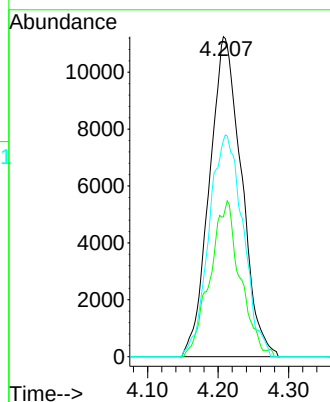
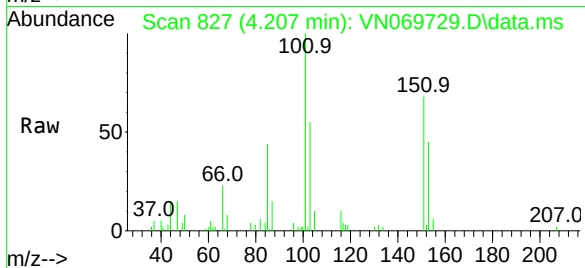




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.520 ug/l
RT: 4.207 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

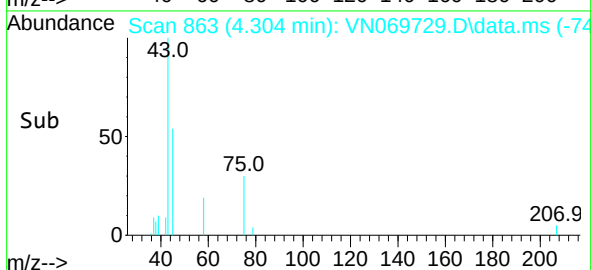
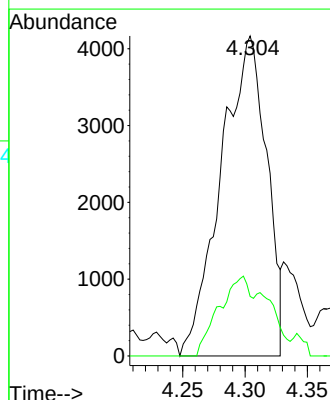
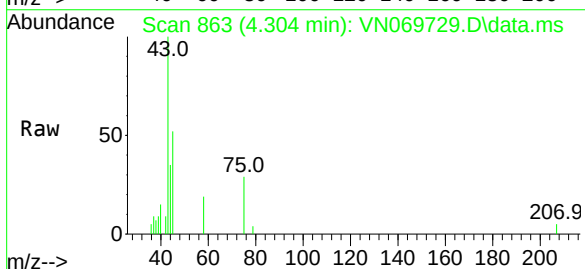
Instrument :
MSVOA_N
ClientSampleId :
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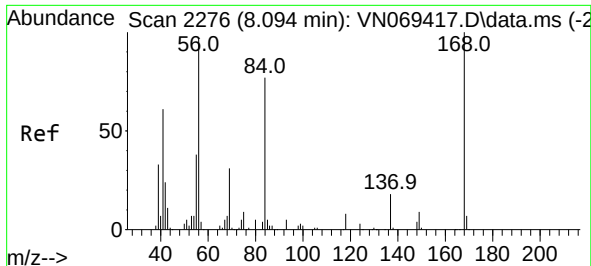
Tgt Ion:101 Resp: 35456
Ion Ratio Lower Upper
101 100
85 45.8 37.2 55.8
151 73.7 65.9 98.9



#16
Acetone
Concen: 0.803 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

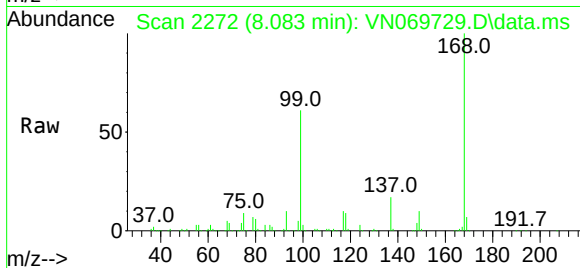
Tgt Ion: 43 Resp: 10612
Ion Ratio Lower Upper
43 100
58 18.6 23.1 34.7#



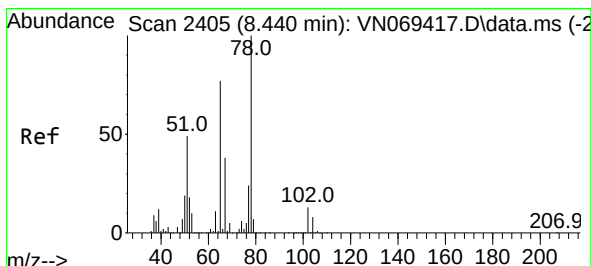
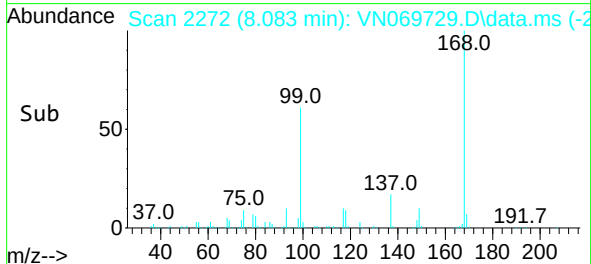
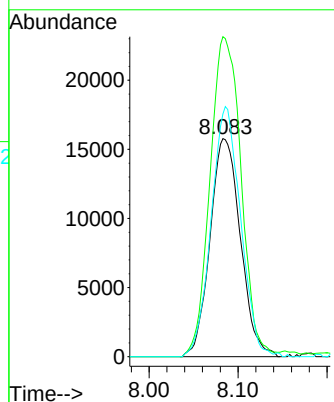


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.011 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Instrument :
MSVOA_N
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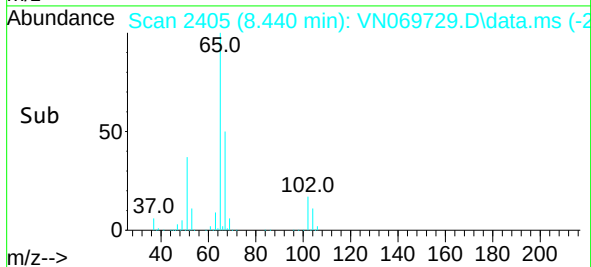
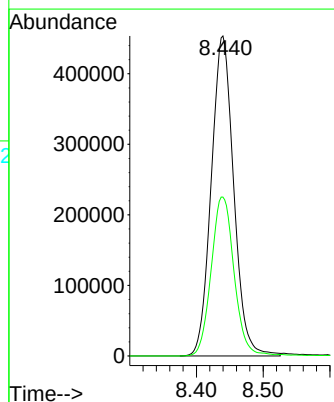
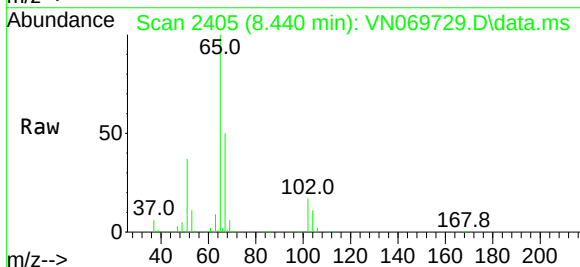


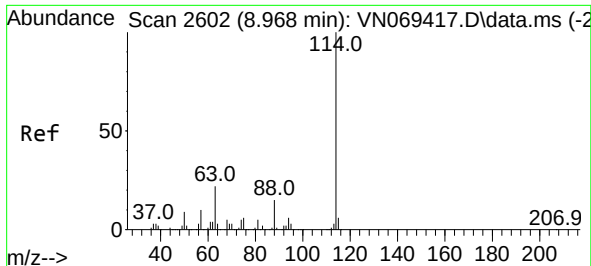
Tgt Ion: 56 Resp: 37367
Ion Ratio Lower Upper
56 100
69 146.7 27.1 40.7#
84 111.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.219 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

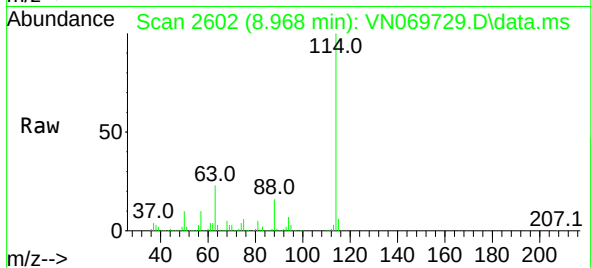
Tgt Ion: 65 Resp: 1059861
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0



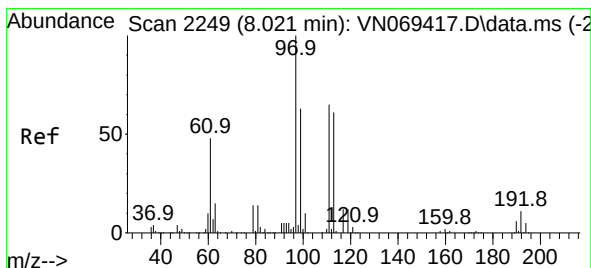
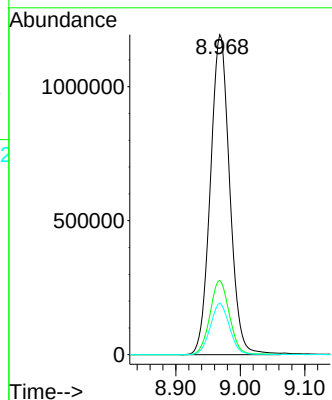
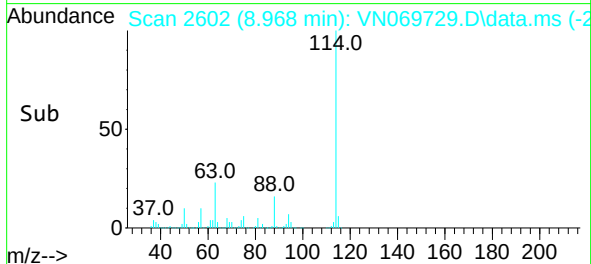


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Instrument :
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ClientSampleId :
RE132D2-20211129

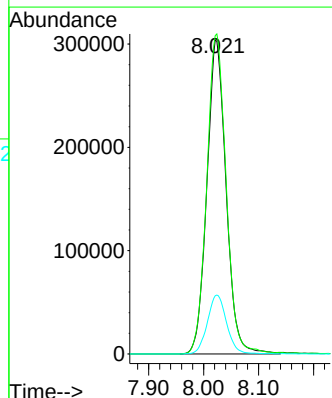
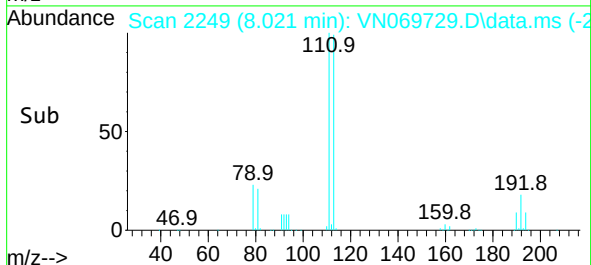
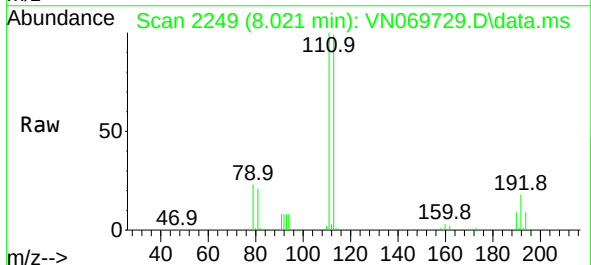


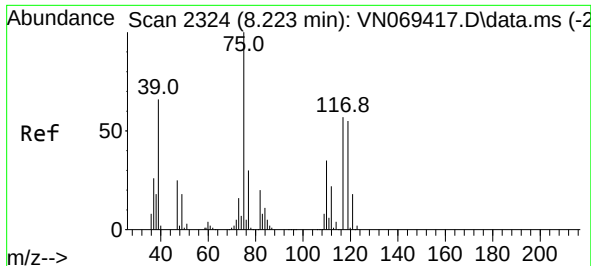
Tgt Ion:114 Resp: 2481053
Ion Ratio Lower Upper
114 100
63 23.2 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.482 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

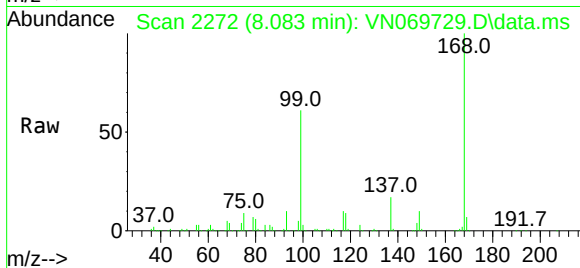
Tgt Ion:113 Resp: 737908
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.7 16.9 25.3



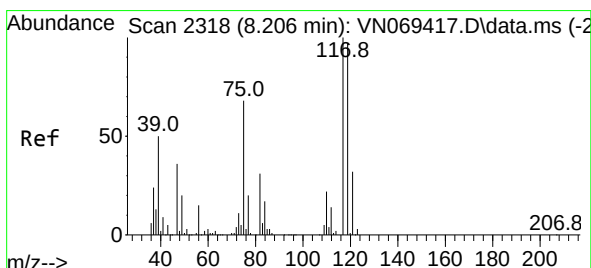
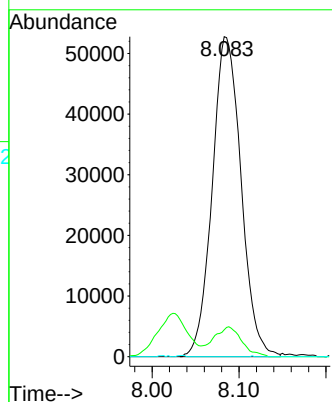
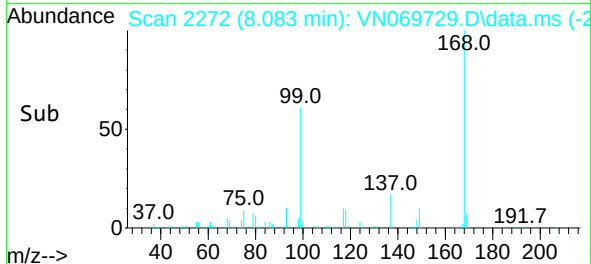


#36
1,1-Dichloropropene
Concen: 5.145 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.139 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

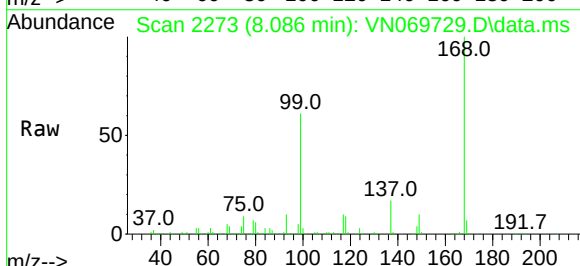
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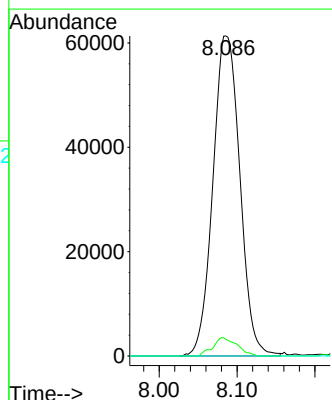
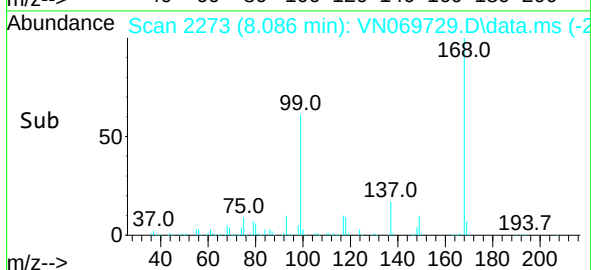
Tgt Ion: 75 Resp: 121517
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

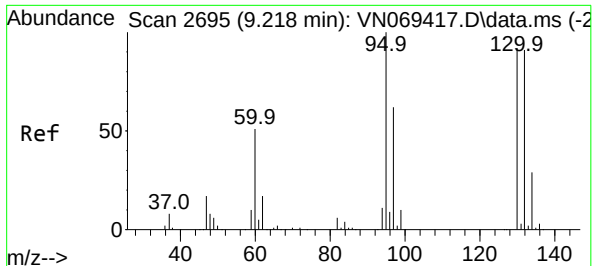


#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54



Tgt Ion: 117 Resp: 147615
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#

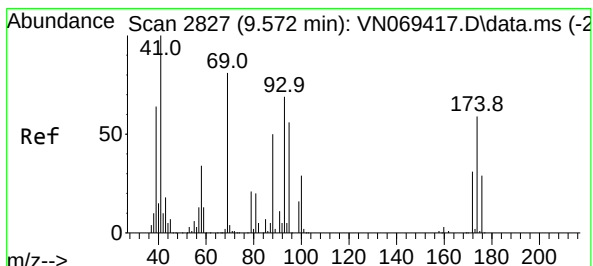
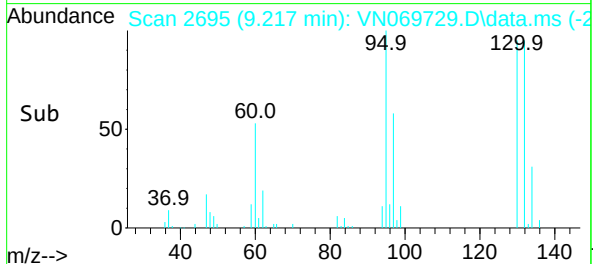
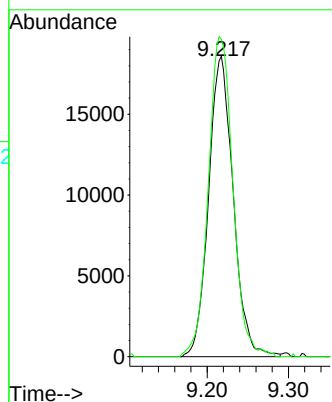
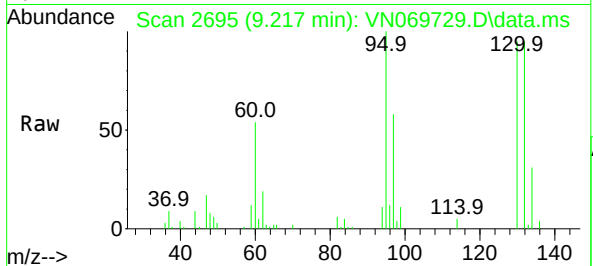




#44
Trichloroethene
Concen: 2.271 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

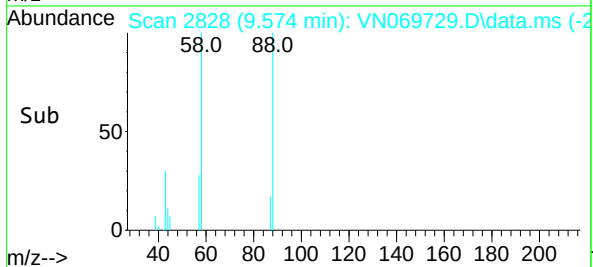
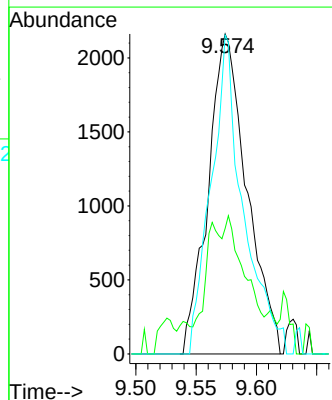
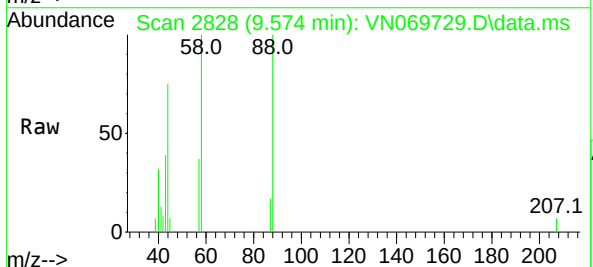
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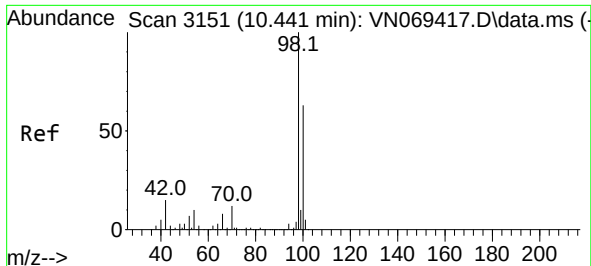
Tgt Ion:130 Resp: 39134
Ion Ratio Lower Upper
130 100
95 105.7 0.0 191.2



#49
1,4-Dioxane
Concen: 11.047 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Tgt Ion: 88 Resp: 4812
Ion Ratio Lower Upper
88 100
43 12.7 23.4 35.2#
58 83.2 50.6 75.8#

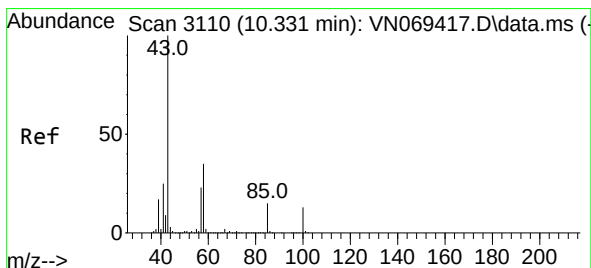
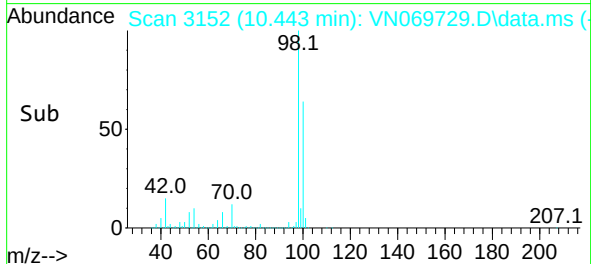
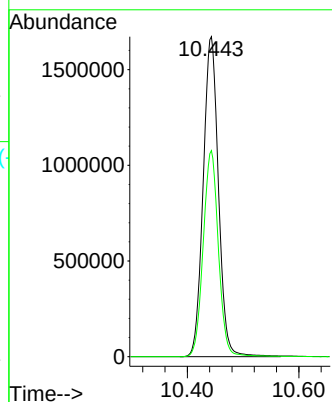
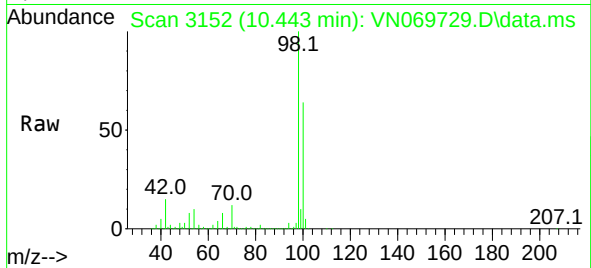




#50
Toluene-d8
Concen: 50.937 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

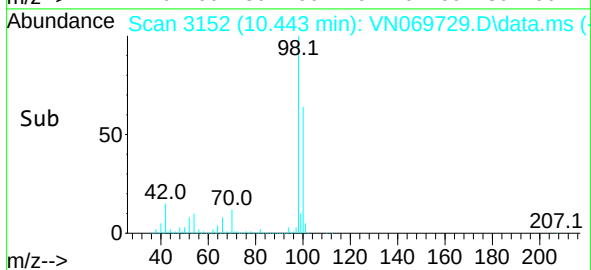
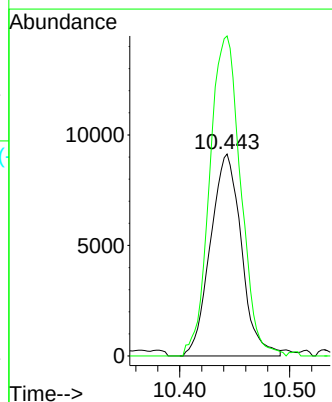
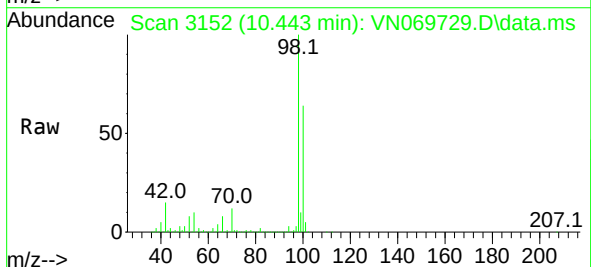
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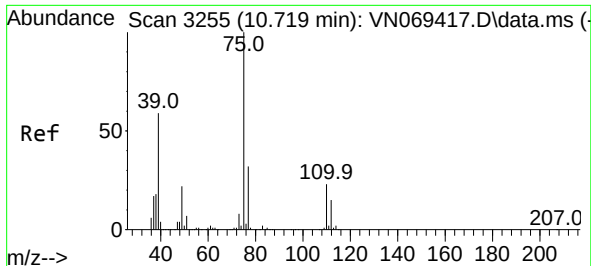
Tgt Ion: 98 Resp: 3178531
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.110 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

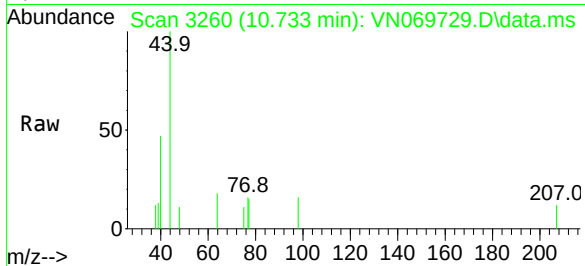
Tgt Ion: 43 Resp: 17915
Ion Ratio Lower Upper
43 100
58 158.1 30.4 45.6#



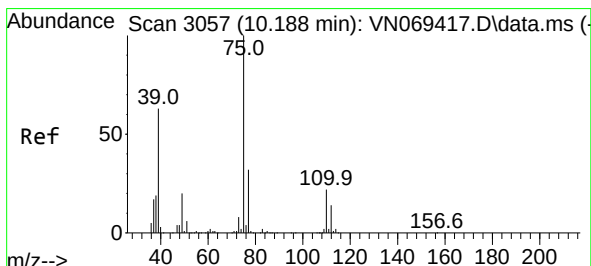
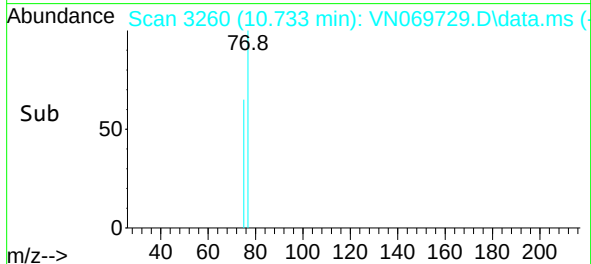
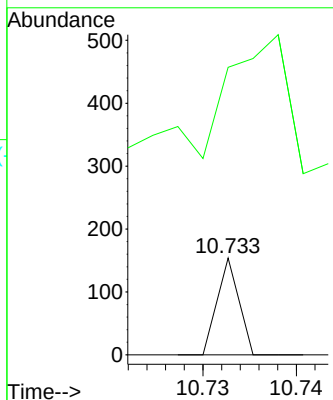


#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.733 min Scan# 311
Delta R.T. 0.014 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

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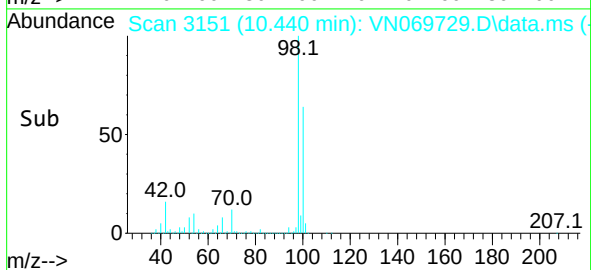
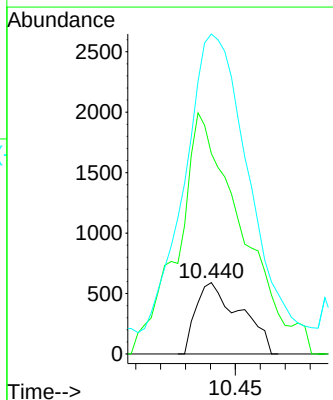
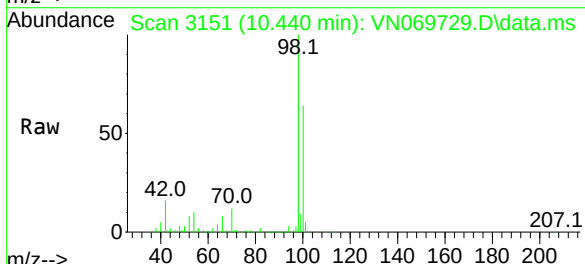


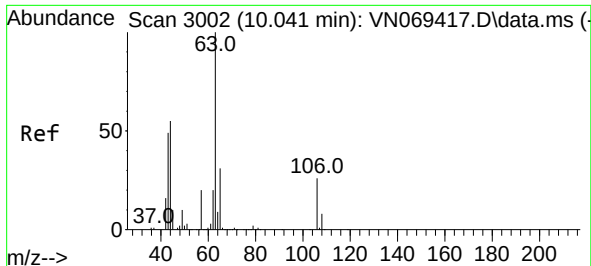
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 61.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.022 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.249 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Tgt Ion: 75 Resp: 728
Ion Ratio Lower Upper
75 100
77 224.2 26.4 39.6#
39 364.4 42.5 63.7#

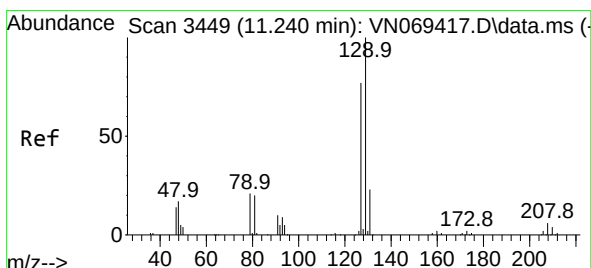
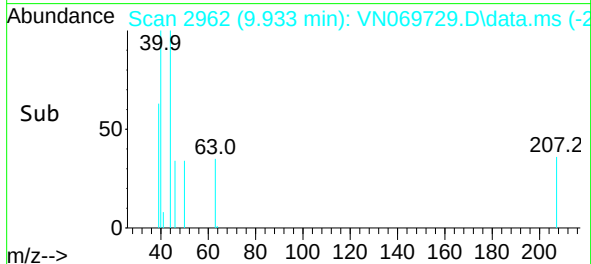
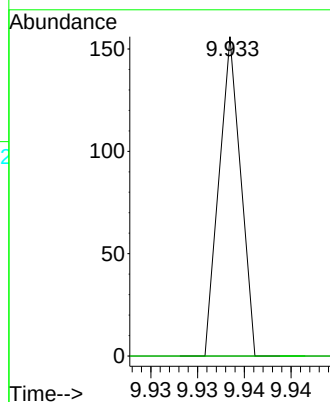
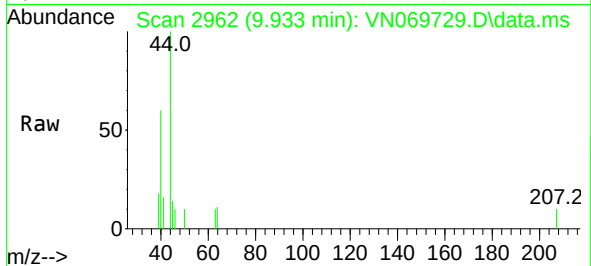




#58
2-Chloroethyl Vinyl ether
Concen: 18.391 ug/l
RT: 9.933 min Scan# 24
Delta R.T. -0.110 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

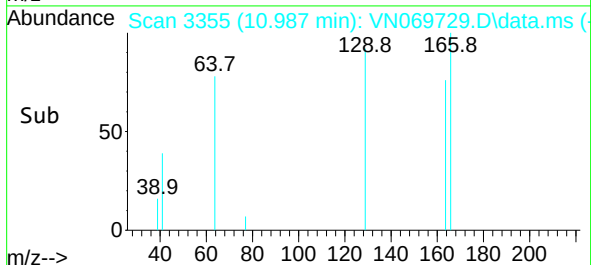
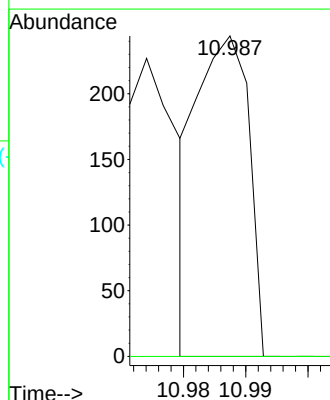
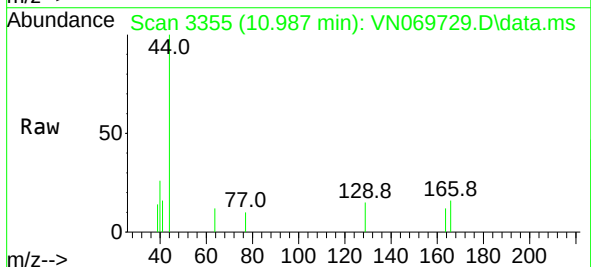
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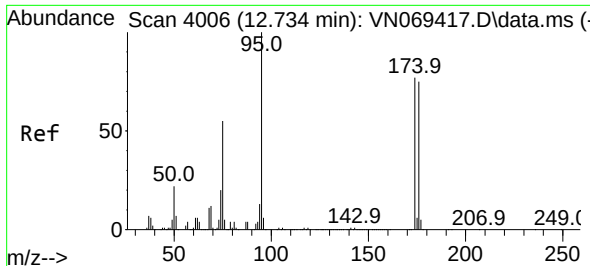
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.383 ug/l
RT: 10.987 min Scan# 3355
Delta R.T. -0.253 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Tgt Ion: 129 Resp: 141
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

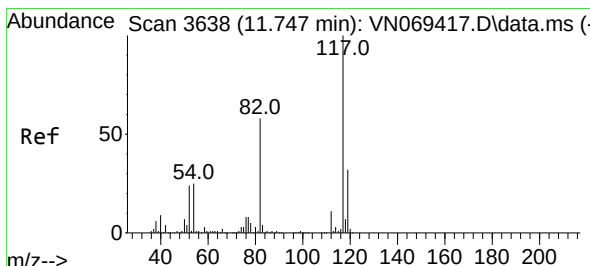
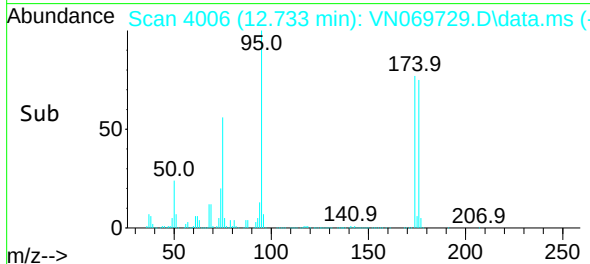
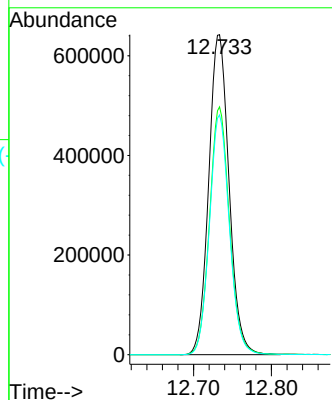
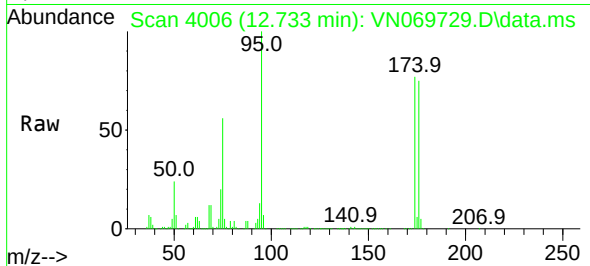




#62
4-Bromofluorobenzene
Concen: 51.566 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

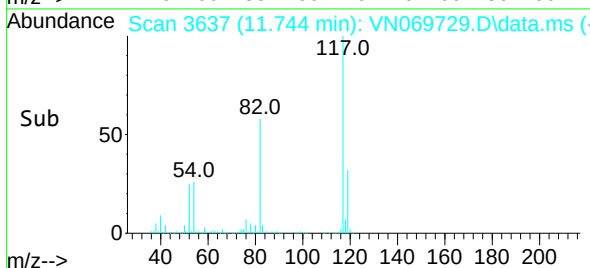
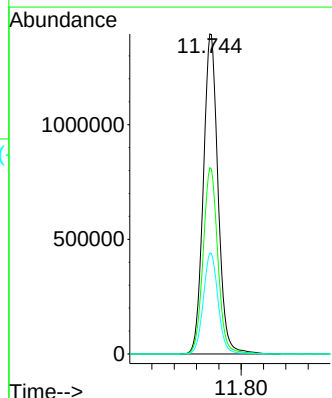
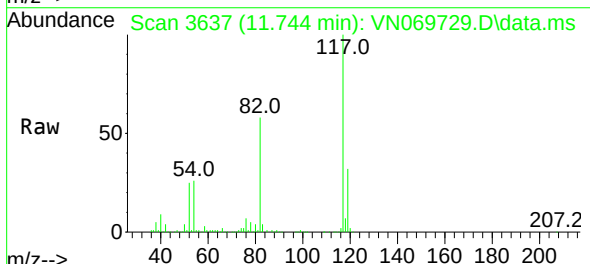
Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20211129

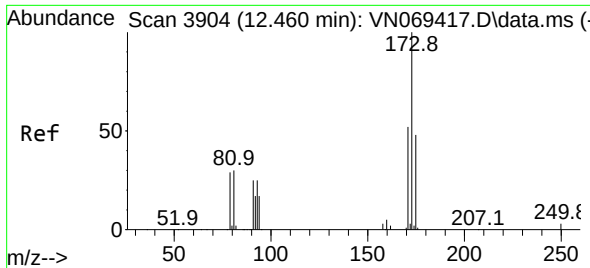
Tgt Ion: 95 Resp: 1165740
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Tgt Ion: 117 Resp: 2555956
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.5 25.4 38.2

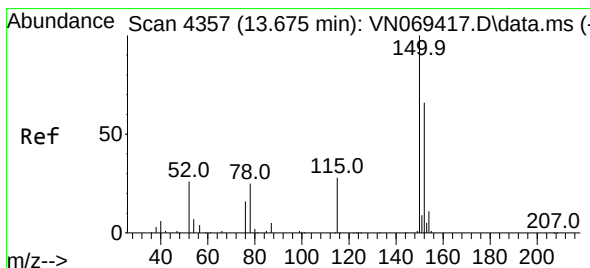
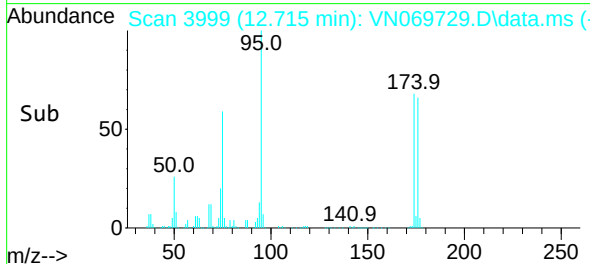
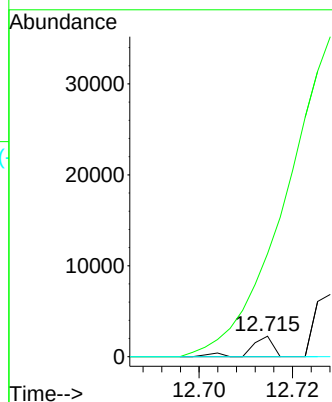
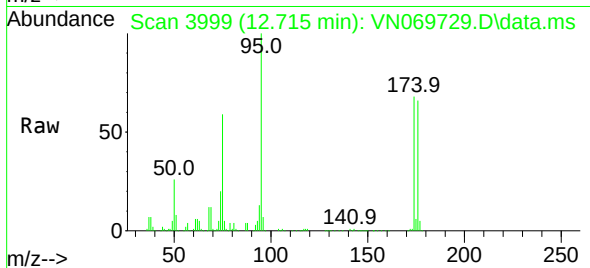




#71
Bromoform
Concen: 2.774 ug/l
RT: 12.715 min Scan# 3904
Delta R.T. 0.255 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

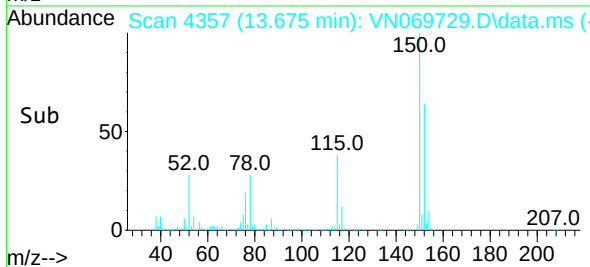
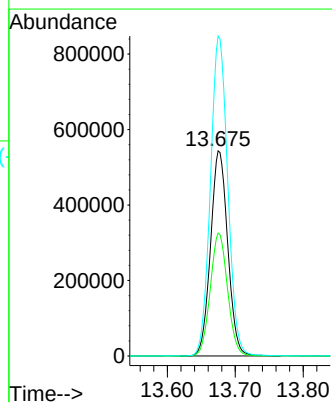
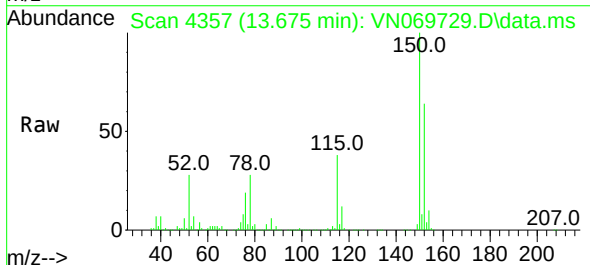
Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20211129

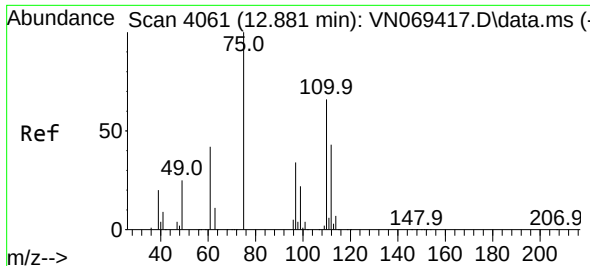
Tgt Ion:173 Resp: 707
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Tgt Ion:152 Resp: 956034
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 156.6 0.0 344.4

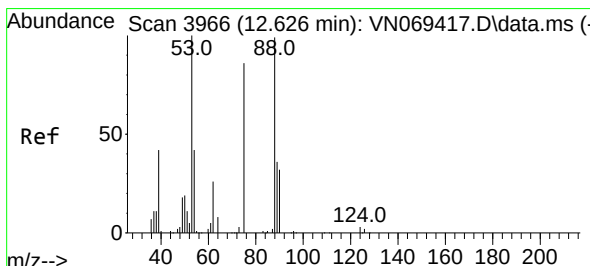
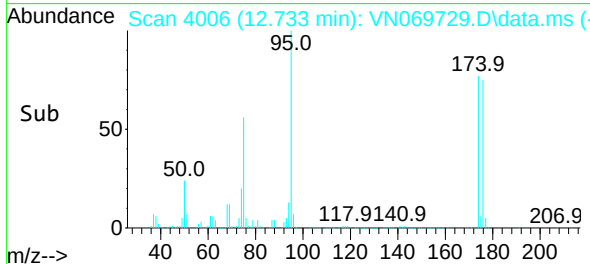
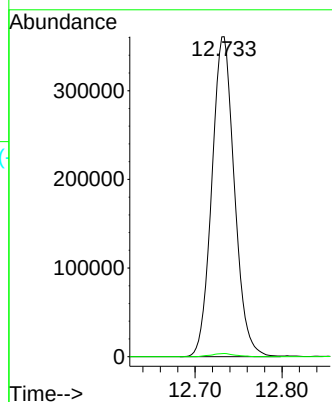
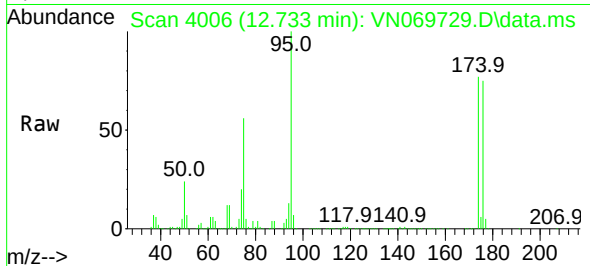




#76
1,2,3-Trichloropropane
Concen: 23.717 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

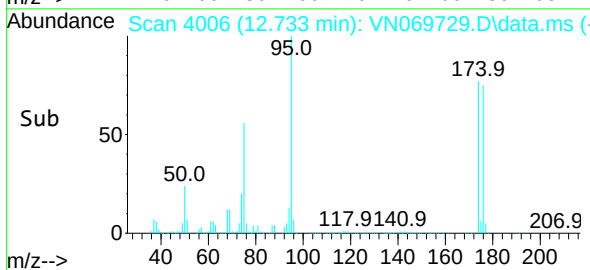
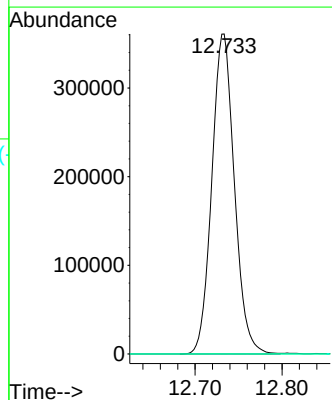
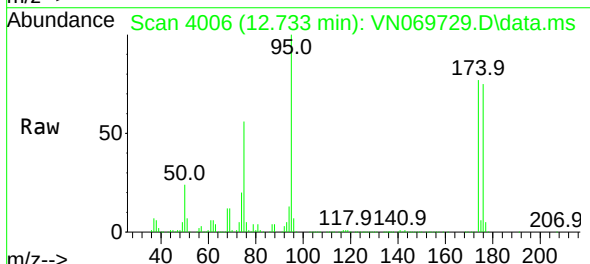
Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20211129

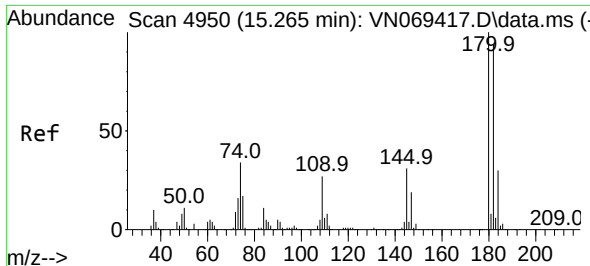
Tgt Ion: 75 Resp: 650256
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.380 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069729.D
Acq: 3 Dec 2021 19:54

Tgt Ion: 75 Resp: 650256
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

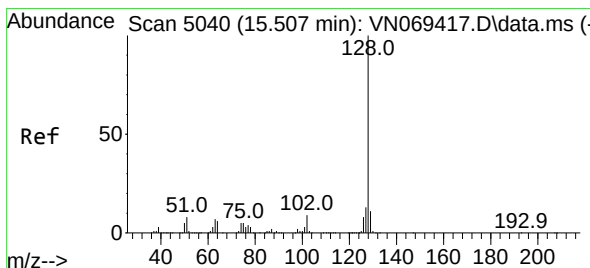
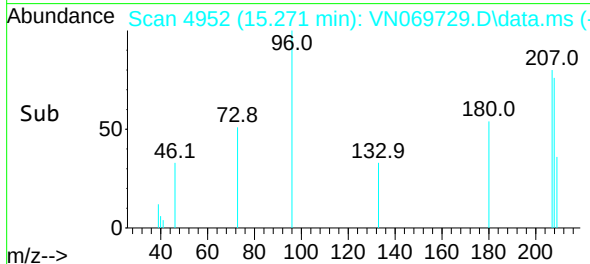
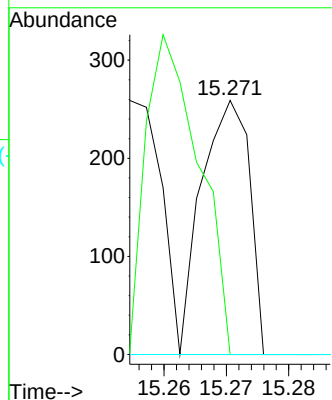
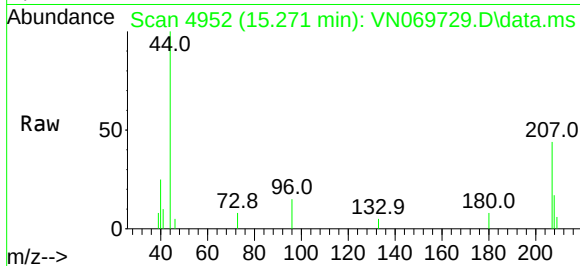




#93
 1,2,4-Trichlorobenzene
 Concen: 2.886 ug/l
 RT: 15.271 min Scan# 4952
 Delta R.T. 0.006 min
 Lab File: VN069729.D
 Acq: 3 Dec 2021 19:54

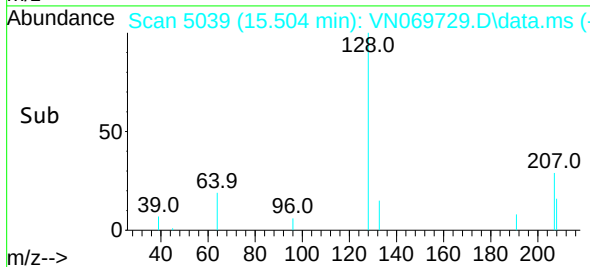
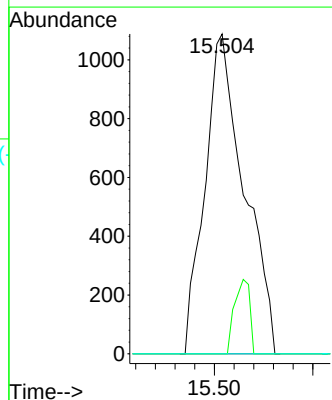
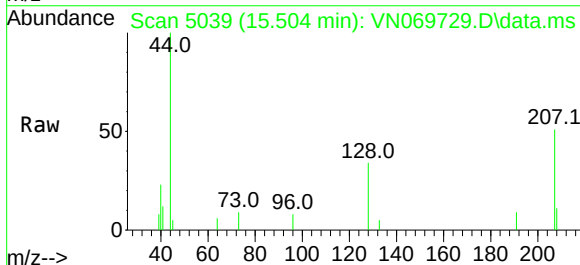
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20211129

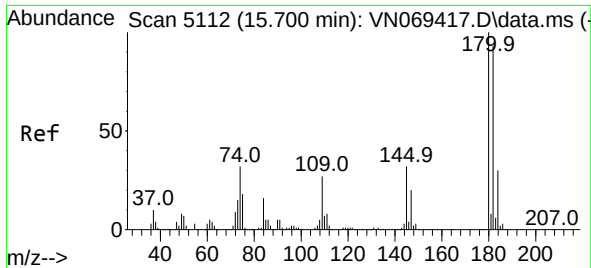
Tgt Ion:180 Resp: 138
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.9#
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 4.015 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.003 min
 Lab File: VN069729.D
 Acq: 3 Dec 2021 19:54

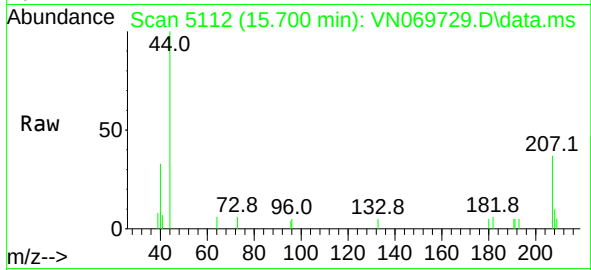
Tgt Ion:128 Resp: 1508
 Ion Ratio Lower Upper
 128 100
 127 9.0 10.5 15.7#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.443 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN069729.D
 Acq: 3 Dec 2021 19:54

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20211129



Tgt Ion:180 Resp: 113
 Ion Ratio Lower Upper
 180 100
 182 181.4 47.4 142.2#
 145 21.2 15.0 45.1

