

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069747.D
 Acq On : 4 Dec 2021 4:22
 Operator : JC/MD
 Sample : M4919-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20211202

Quant Time: Dec 04 05:42:07 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)

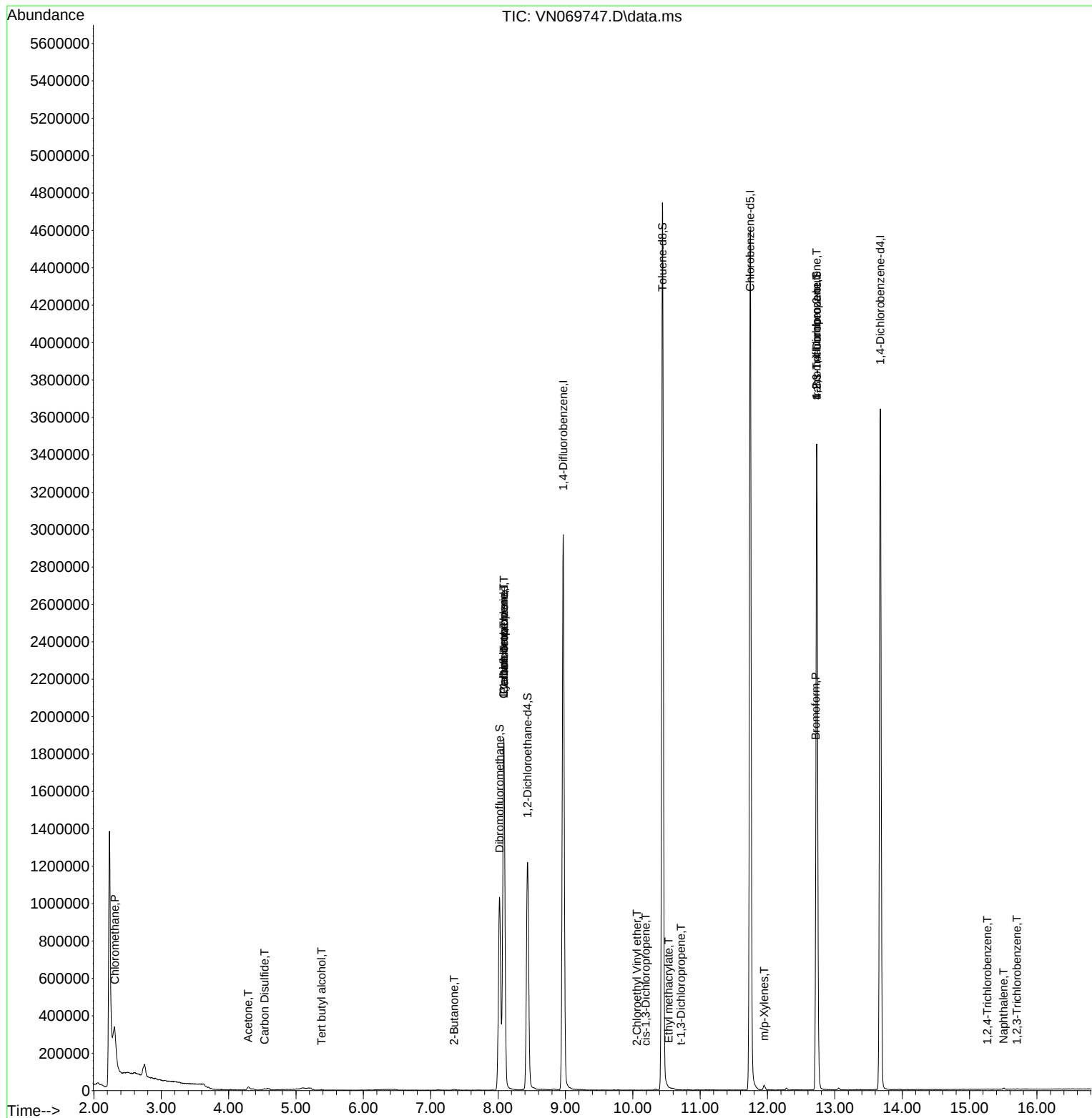
Internal Standards						
1) Pentafluorobenzene	8.086	168	1401144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2483239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2549995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	971983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1060374	49.015	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.020%		
35) Dibromofluoromethane	8.021	113	742734	47.750	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.500%		
50) Toluene-d8	10.440	98	3187231	51.031	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.060%		
62) 4-Bromofluorobenzene	12.731	95	1201949	53.121	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.240%		
Target Compounds						Qvalue
3) Chloromethane	2.309	50	14846	0.725	ug/l #	64
11) Tert butyl alcohol	5.379	59	1093	0.267	ug/l #	71
16) Acetone	4.291	43	25100	1.929	ug/l	98
17) Carbon Disulfide	4.535	76	14443	0.419	ug/l	96
25) 2-Butanone	7.348	43	8111	0.459	ug/l	93
31) Cyclohexane	8.083	56	35452	1.178	ug/l #	22
36) 1,1-Dichloropropene	8.083	75	120032	5.078	ug/l #	49
38) Carbon Tetrachloride	8.086	117	143290	6.181	ug/l #	16
53) t-1,3-Dichloropropene	10.717	75	68	2.796	ug/l #	1
54) cis-1,3-Dichloropropene	10.191	75	54	2.000	ug/l #	21
56) Ethyl methacrylate	10.531	69	102	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.062	63	26	18.392	ug/l #	45
68) m/p-Xylenes	11.950	106	7870	0.230	ug/l	98
71) Bromoform	12.717	173	901	2.786	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	668357	23.978	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	668357	76.163	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	282	2.895	ug/l #	90
95) Naphthalene	15.504	128	5354	4.089	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.702	180	425	2.462	ug/l #	55

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

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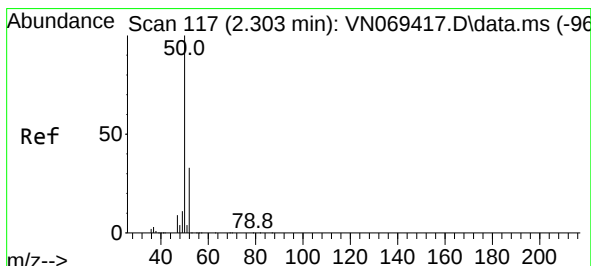
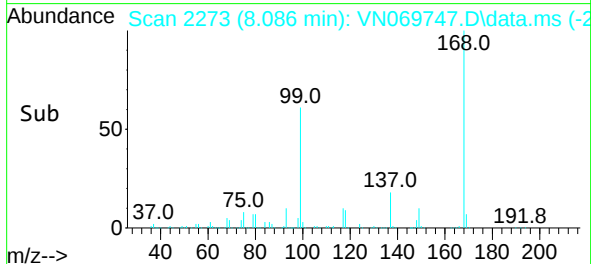
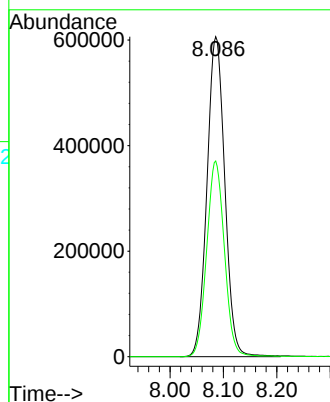
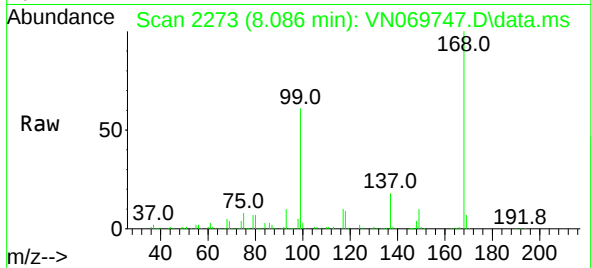




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

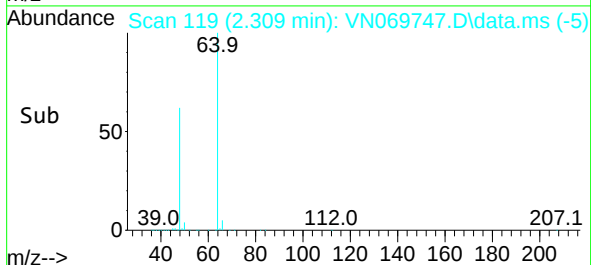
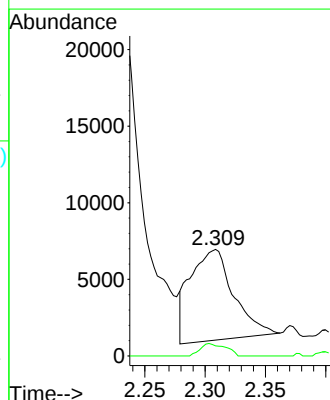
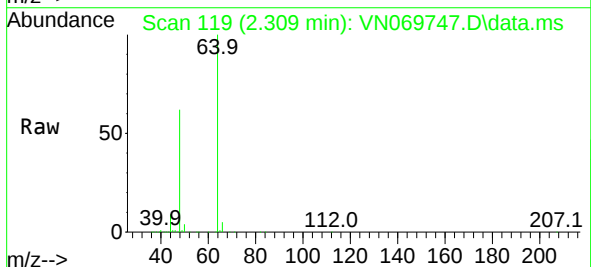
Instrument :
MSVOA_N
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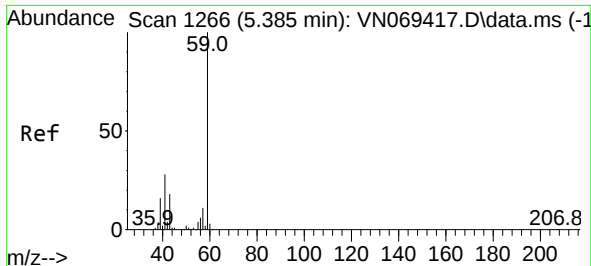
Tgt Ion:168 Resp: 1401144
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#3
Chloromethane
Concen: 0.725 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.005 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion: 50 Resp: 14846
Ion Ratio Lower Upper
50 100
52 12.0 25.4 38.0#

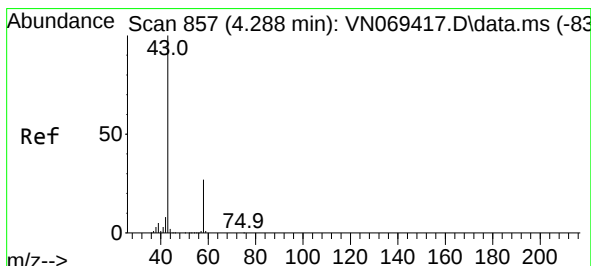
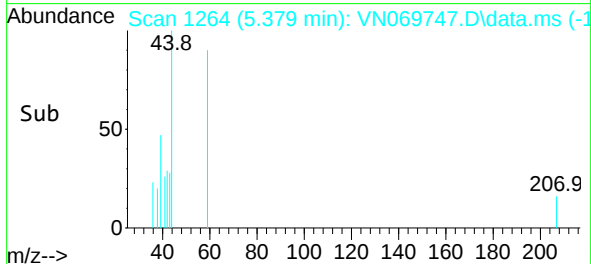
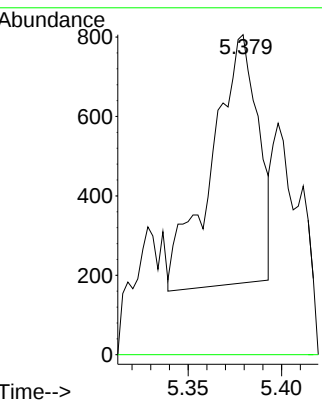
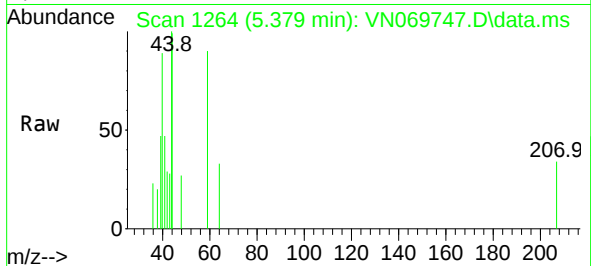




#11
Tert butyl alcohol
Concen: 0.267 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

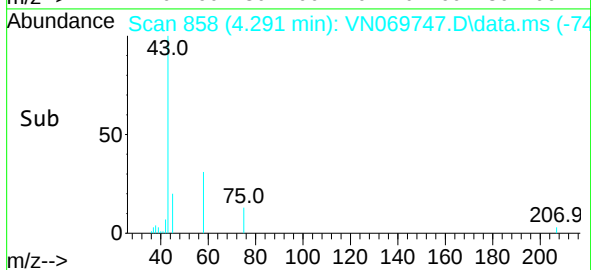
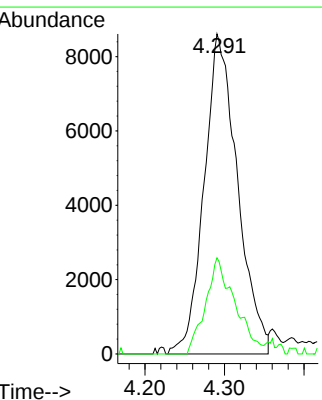
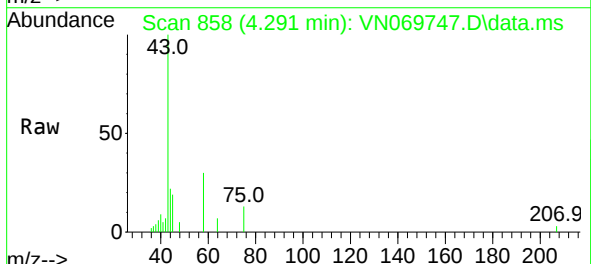
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MSVOA_N
ClientSampleId :
EB-20211202

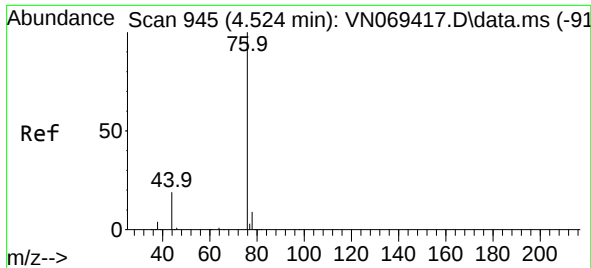
Tgt Ion: 59 Resp: 1093
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 1.929 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion: 43 Resp: 25100
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7

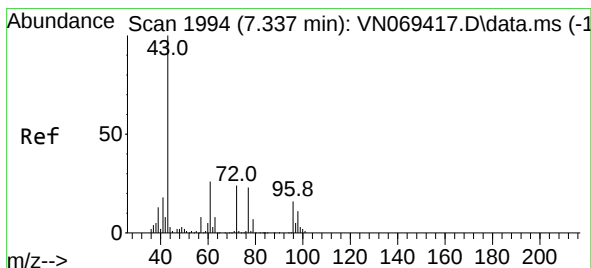
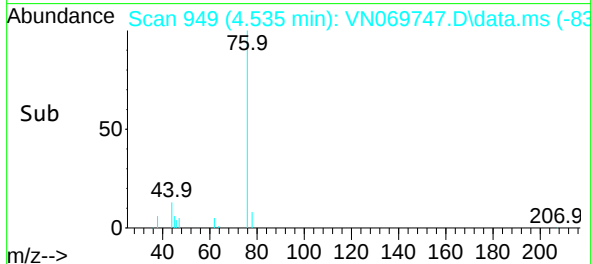
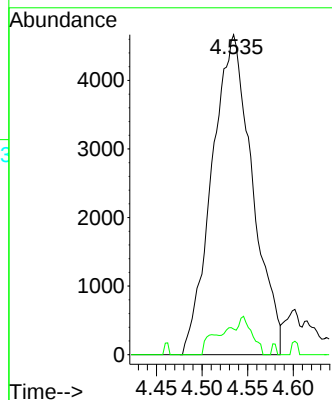
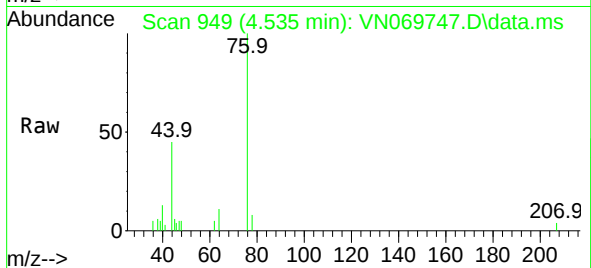




#17
Carbon Disulfide
Concen: 0.419 ug/l
RT: 4.535 min Scan# 945
Delta R.T. 0.011 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

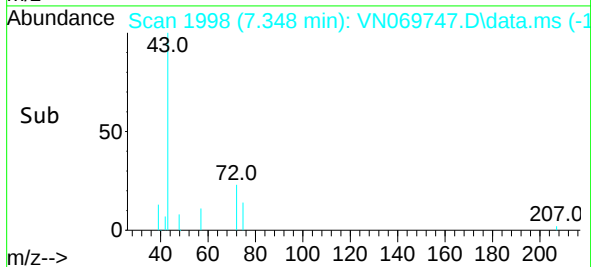
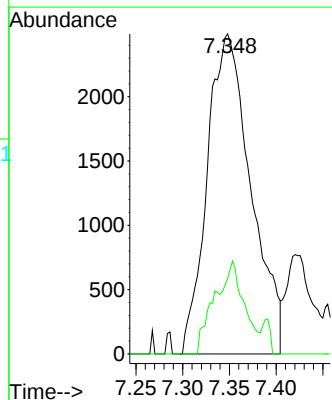
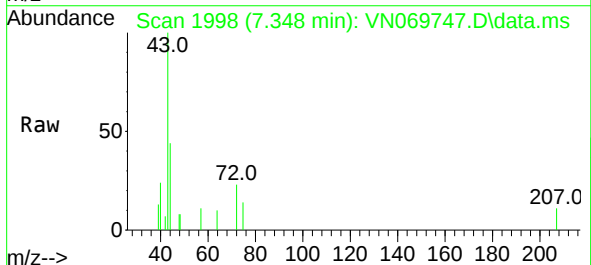
Instrument :
MSVOA_N
ClientSampleId :
EB-20211202

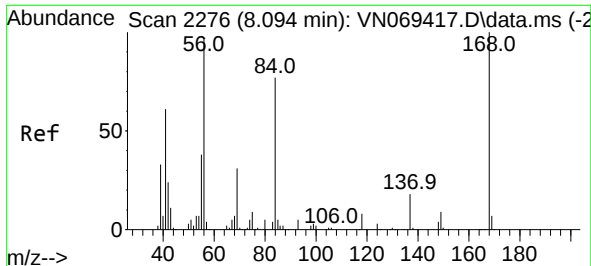
Tgt Ion: 76 Resp: 14443
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3



#25
2-Butanone
Concen: 0.459 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion: 43 Resp: 8111
Ion Ratio Lower Upper
43 100
72 23.5 21.7 32.5

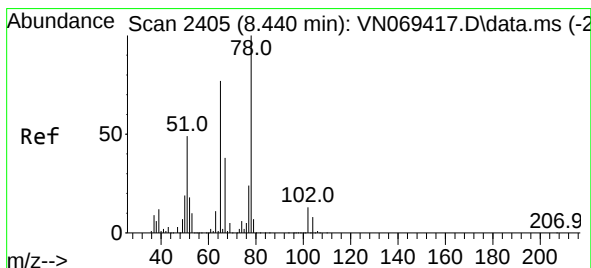
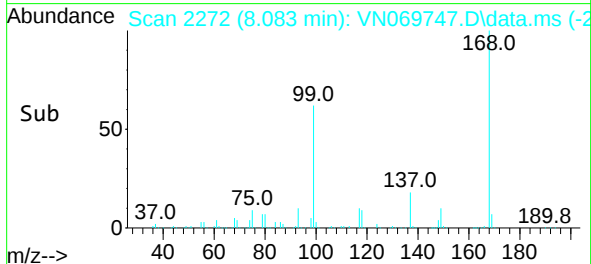
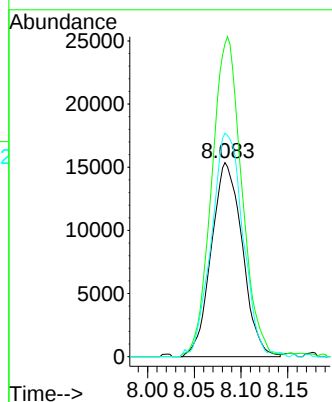
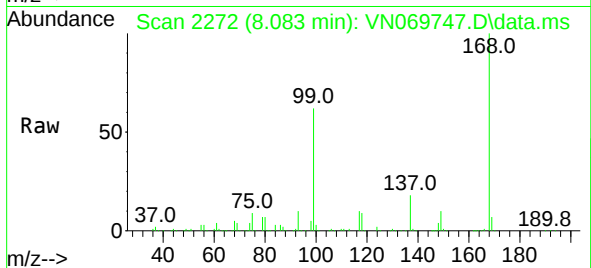




#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

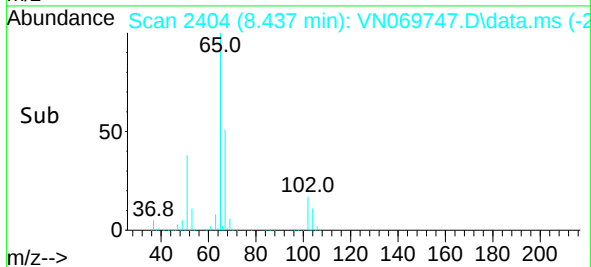
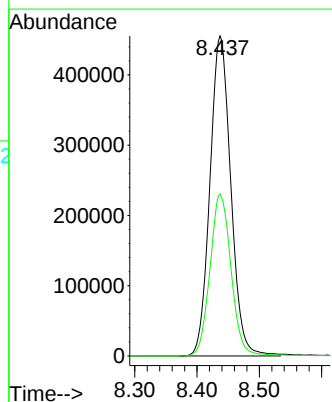
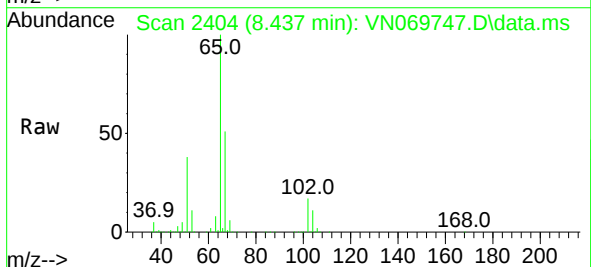
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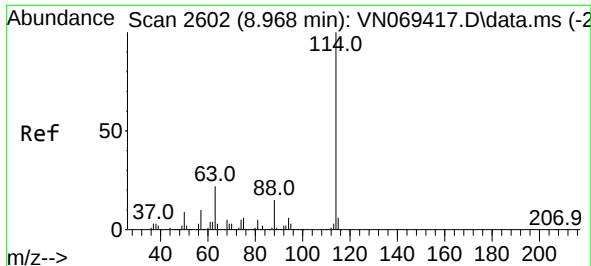
Tgt Ion: 56 Resp: 35452
Ion Ratio Lower Upper
56 100
69 161.3 27.1 40.7#
84 115.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.015 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion: 65 Resp: 1060374
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0

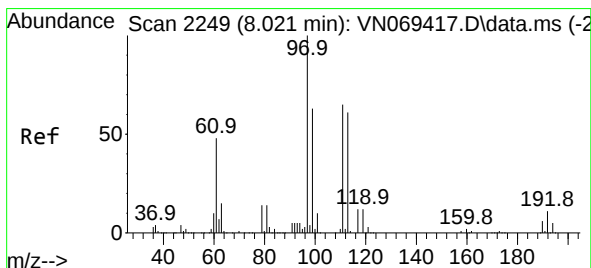
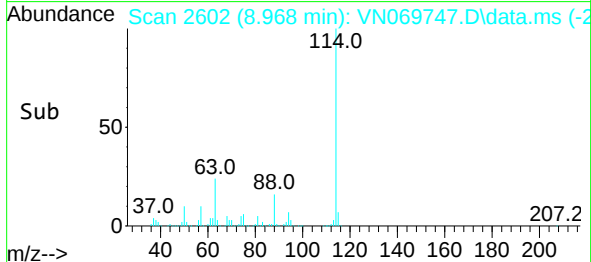
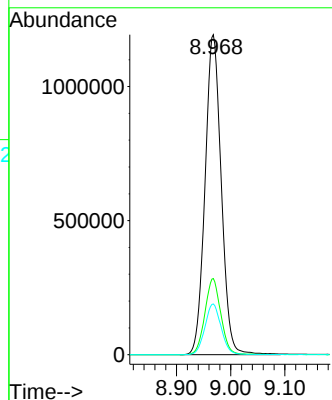
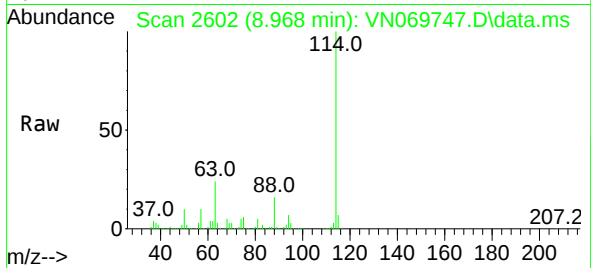




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

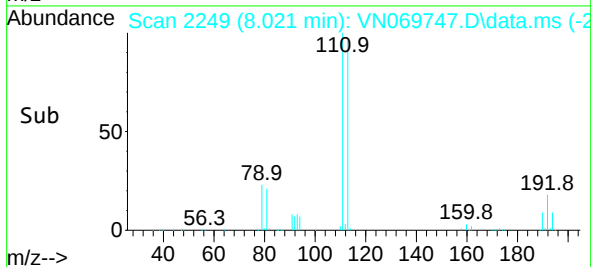
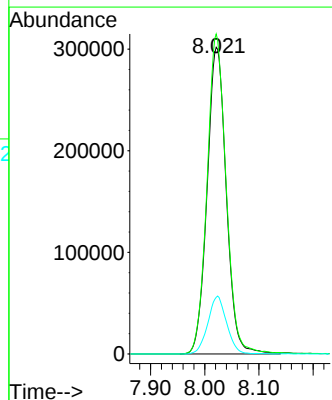
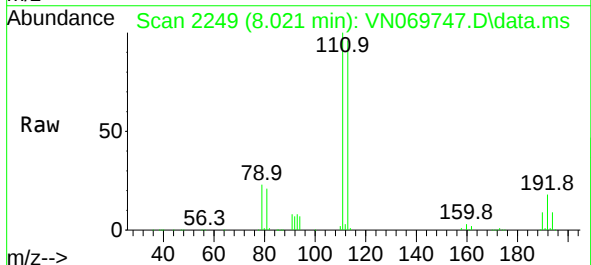
Instrument :
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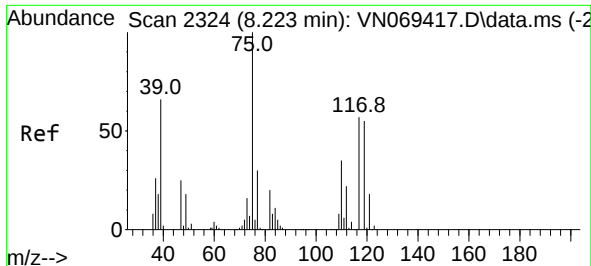
Tgt Ion:114 Resp: 2483239
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 15.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.750 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion:113 Resp: 742734
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.4 16.9 25.3

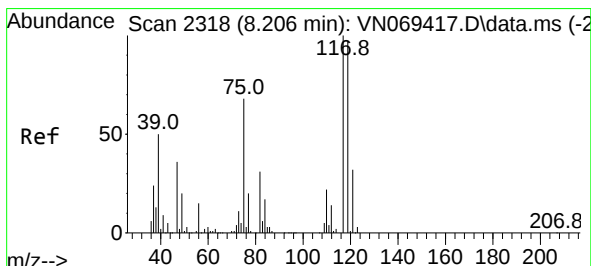
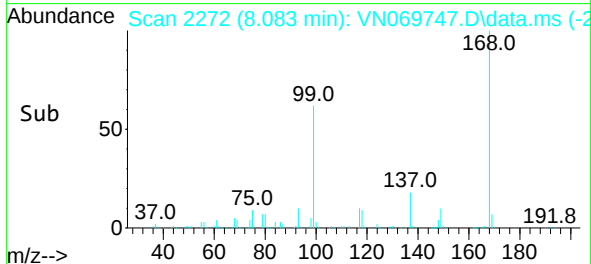
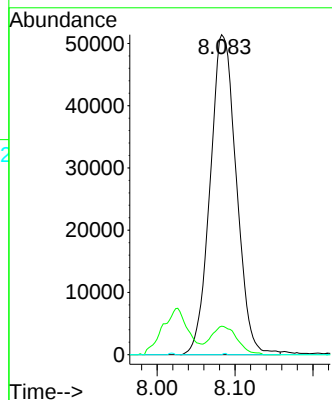
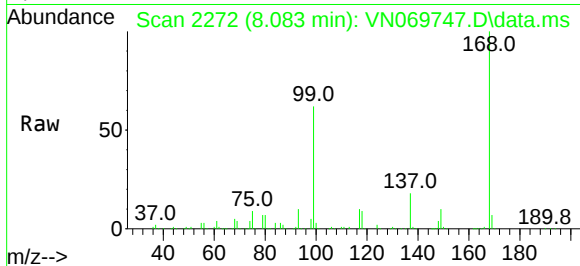




#36
 1,1-Dichloropropene
 Concen: 5.078 ug/l
 RT: 8.083 min Scan# 21
 Delta R.T. -0.139 min
 Lab File: VN069747.D
 Acq: 4 Dec 2021 4:22

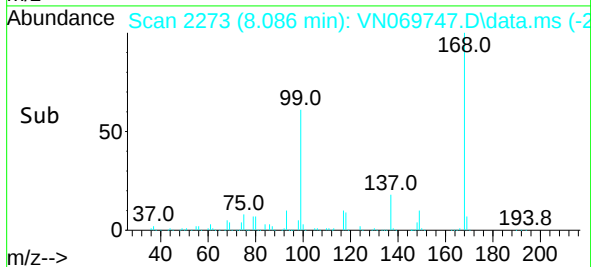
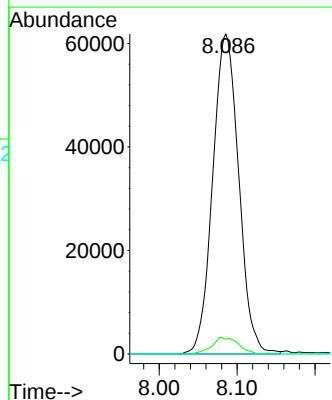
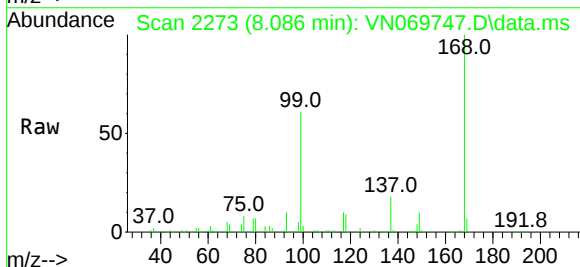
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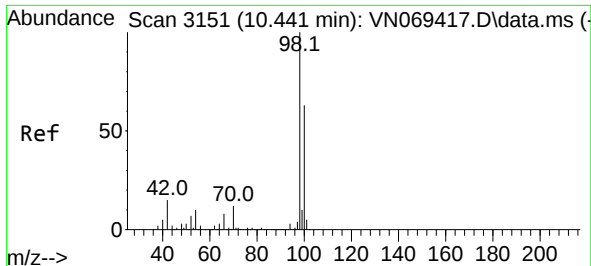
Tgt Ion: 75 Resp: 120032
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.181 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.121 min
 Lab File: VN069747.D
 Acq: 4 Dec 2021 4:22

Tgt Ion: 117 Resp: 143290
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.1 114.1#
 121 0.0 24.2 36.2#

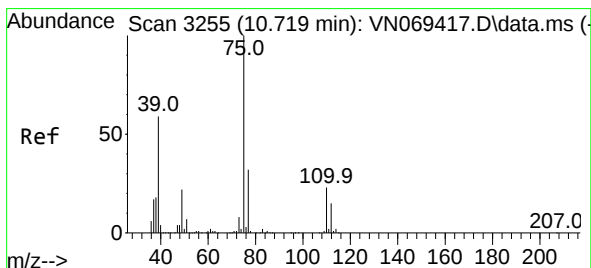
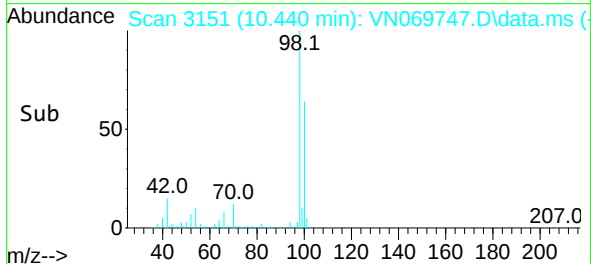
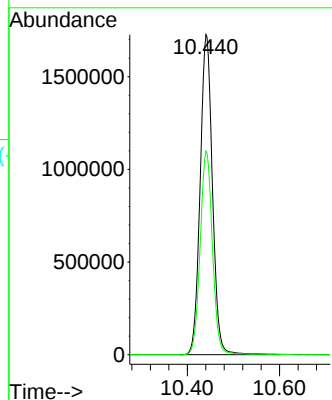
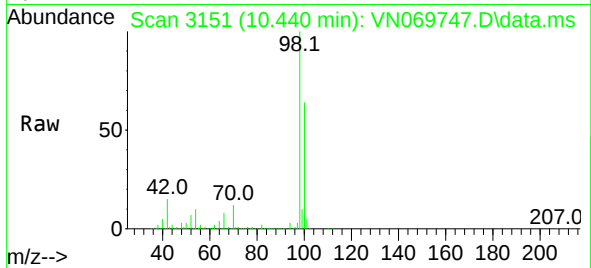




#50
Toluene-d8
Concen: 51.031 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

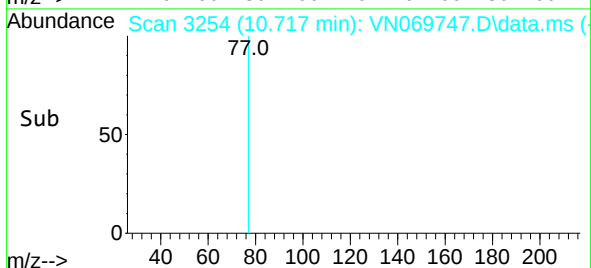
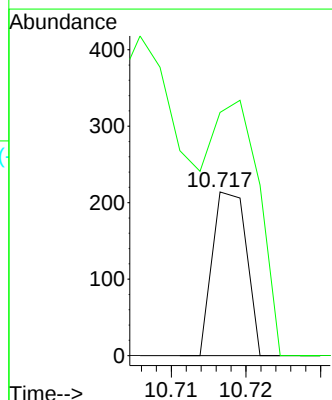
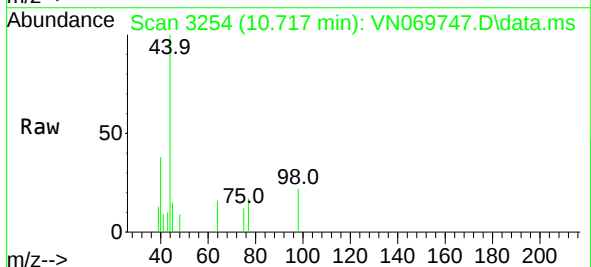
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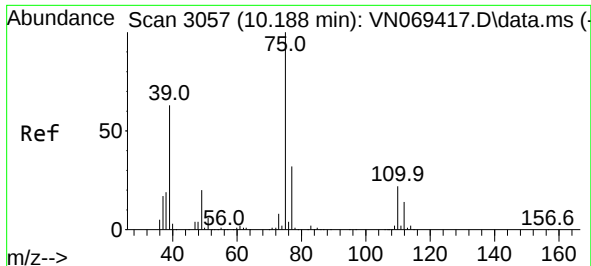
Tgt Ion: 98 Resp: 3187231
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
77 148.6 25.6 38.4#

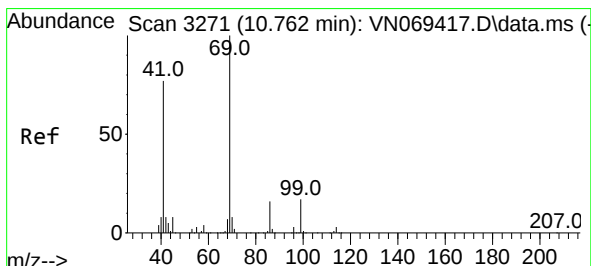
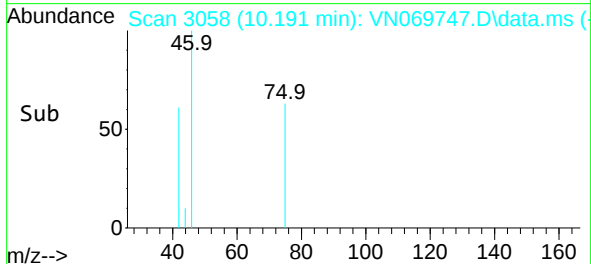
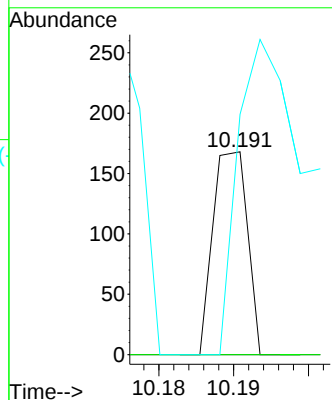
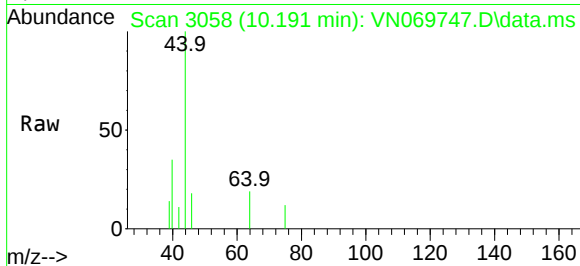




#54
 cis-1,3-Dichloropropene
 Concen: 2.000 ug/l
 RT: 10.191 min Scan# 3057
 Delta R.T. -0.000 min
 Lab File: VN069747.D
 Acq: 4 Dec 2021 4:22

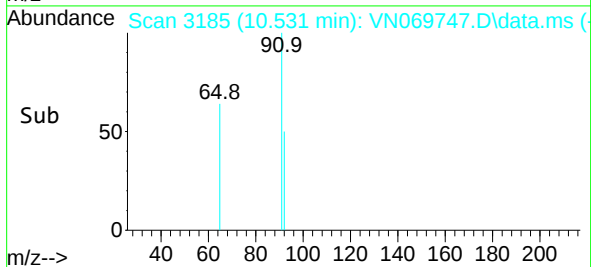
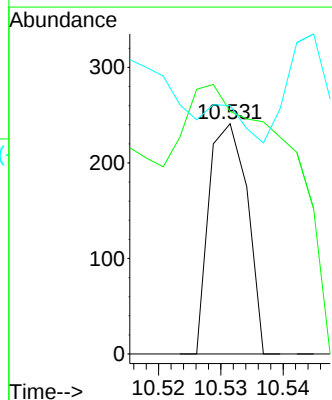
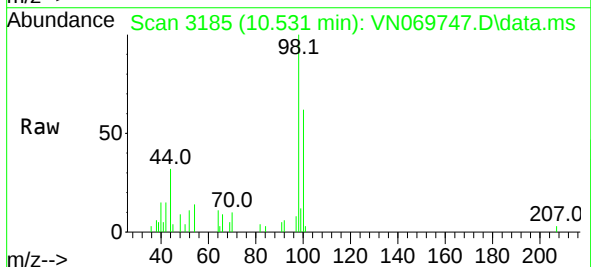
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20211202

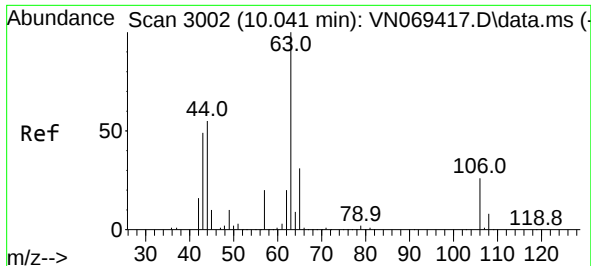
Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 118.5 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.282 ug/l
 RT: 10.531 min Scan# 3185
 Delta R.T. -0.231 min
 Lab File: VN069747.D
 Acq: 4 Dec 2021 4:22

Tgt Ion: 69 Resp: 102
 Ion Ratio Lower Upper
 69 100
 41 334.3 51.4 77.0#
 39 65.7 34.6 52.0#

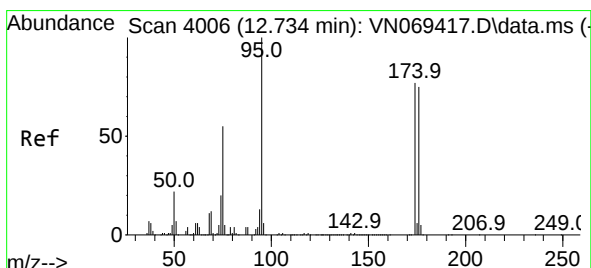
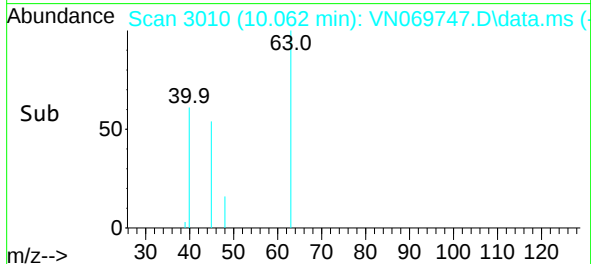
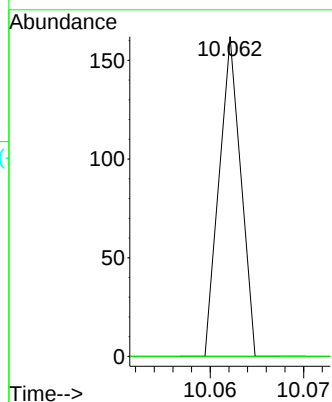
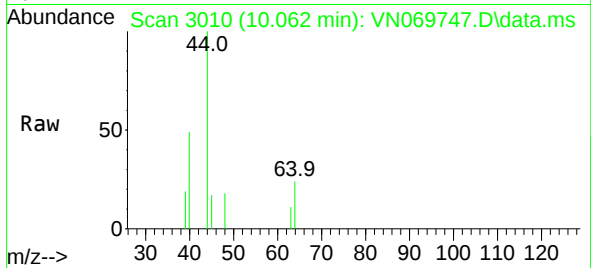




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.062 min Scan# 3002
Delta R.T. 0.019 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

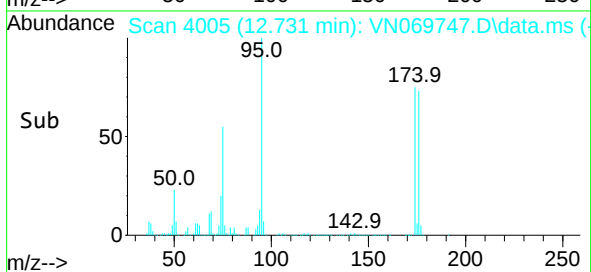
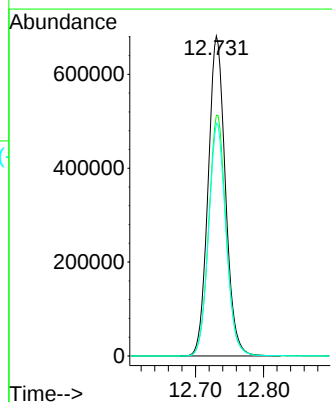
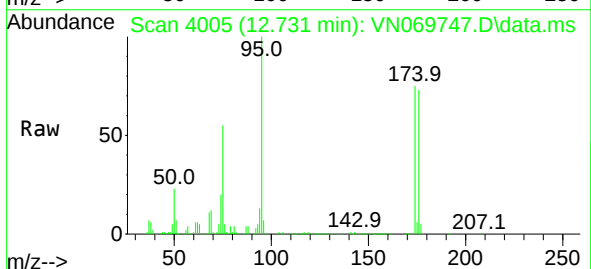
Instrument :
MSVOA_N
ClientSampleId :
EB-20211202

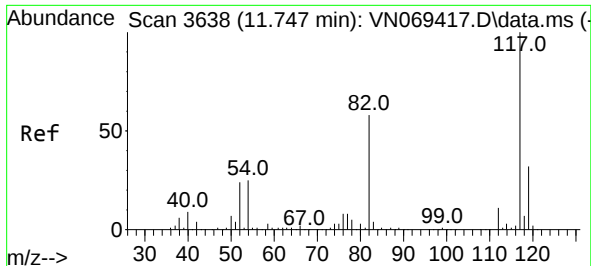
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 53.121 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion: 95 Resp: 1201949
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.1 0.0 181.4

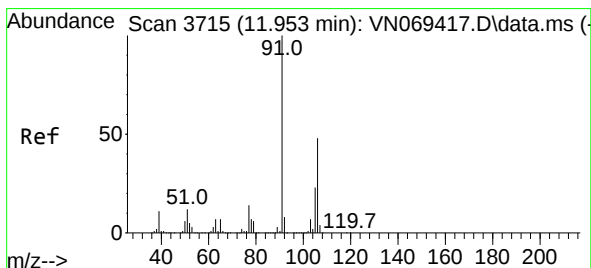
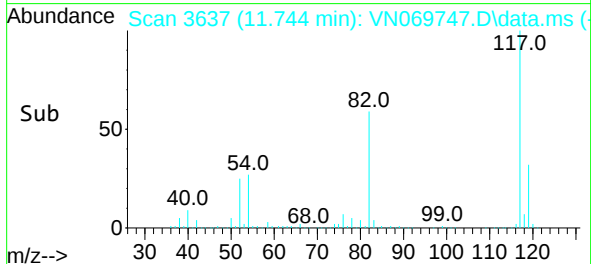
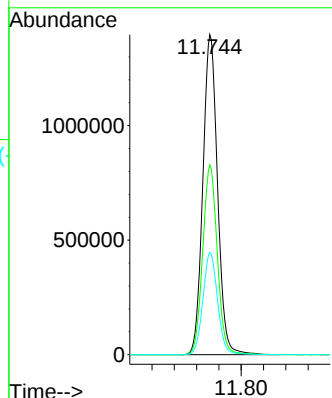
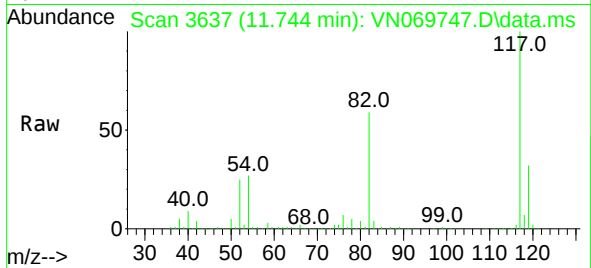




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

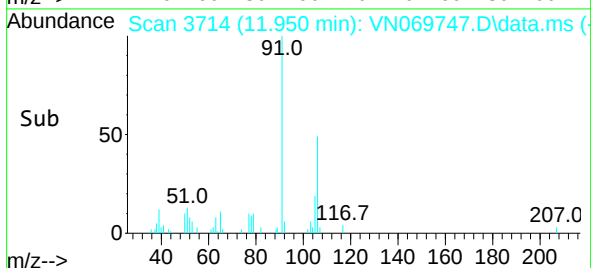
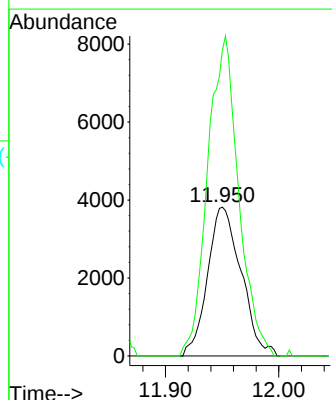
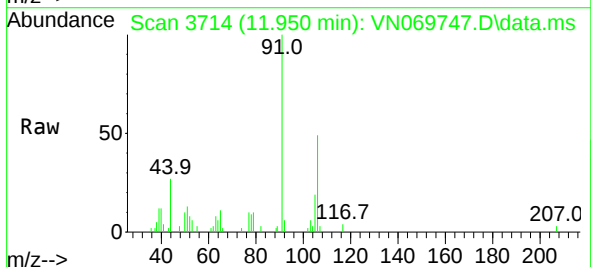
Instrument :
MSVOA_N
ClientSampleId :
EB-20211202

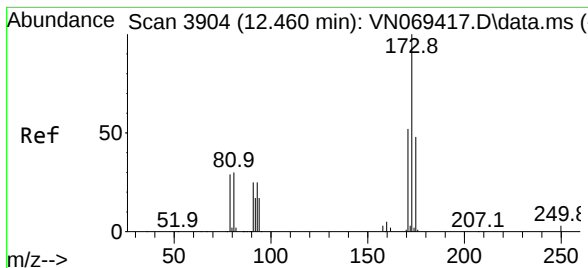
Tgt Ion:117 Resp: 2549995
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 0.230 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion:106 Resp: 7870
Ion Ratio Lower Upper
106 100
91 198.0 160.6 240.8





#71

Bromoform

Concen: 2.786 ug/l

RT: 12.717 min Scan# 4000

Delta R.T. 0.257 min

Lab File: VN069747.D

Acq: 4 Dec 2021 4:22

Instrument :

MSVOA_N

ClientSampleId :

EB-20211202

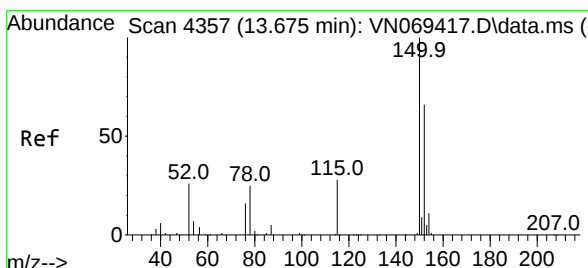
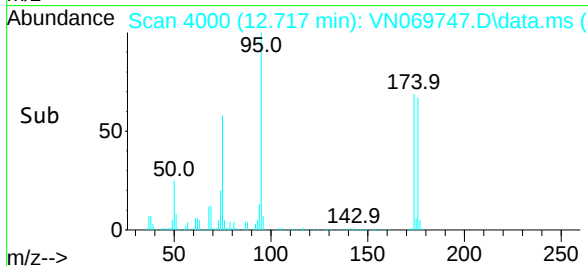
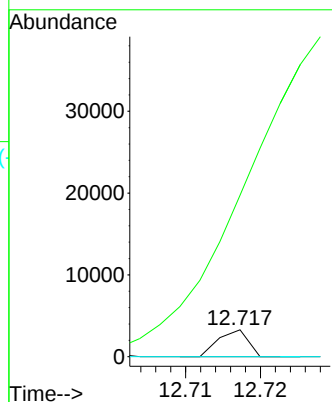
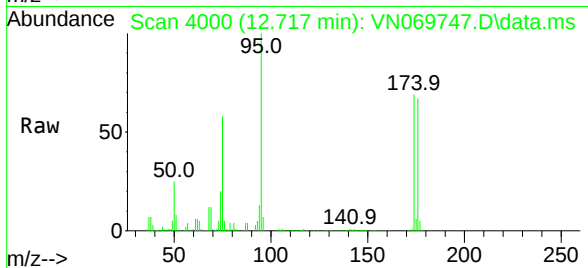
Tgt Ion:173 Resp: 901

Ion Ratio Lower Upper

173 100

175 7482.0 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: VN069747.D

Acq: 4 Dec 2021 4:22

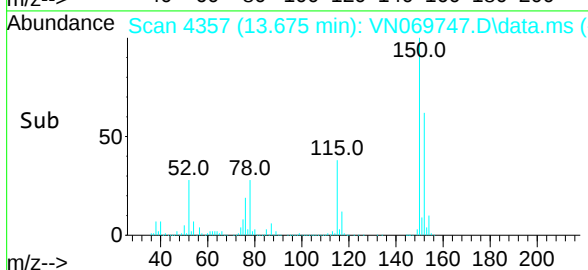
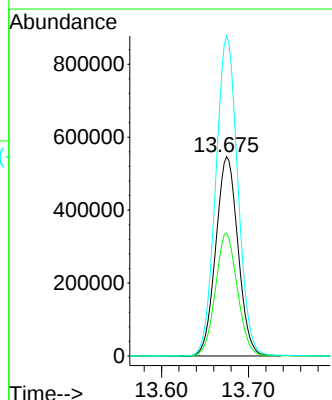
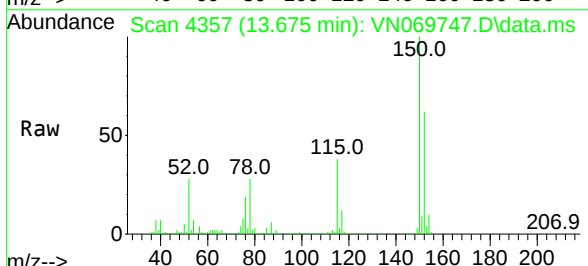
Tgt Ion:152 Resp: 971983

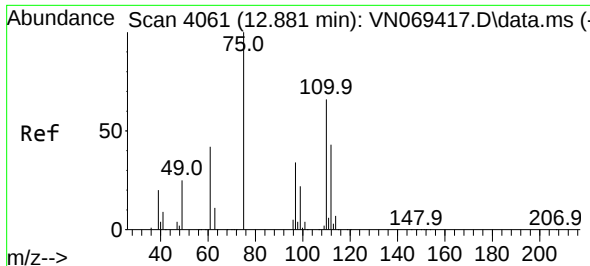
Ion Ratio Lower Upper

152 100

115 61.0 27.5 82.5

150 159.6 0.0 344.4

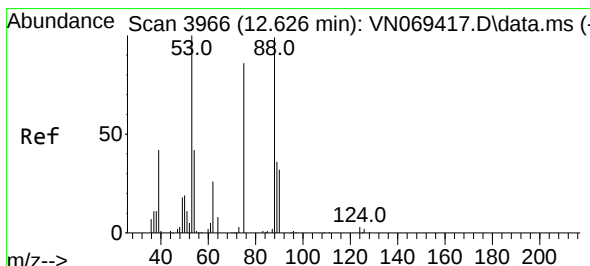
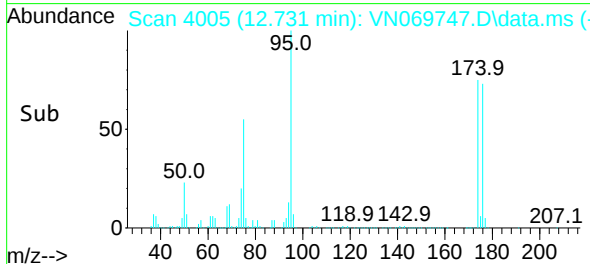
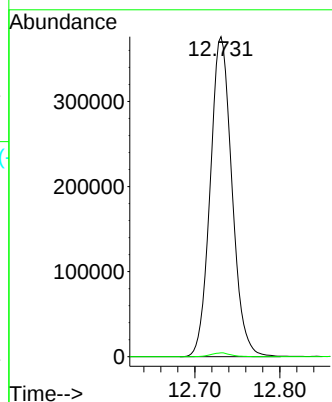
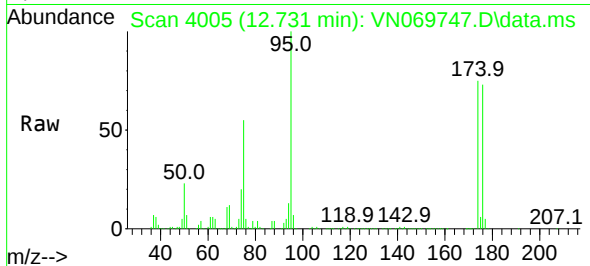




#76
1,2,3-Trichloropropane
Concen: 23.978 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

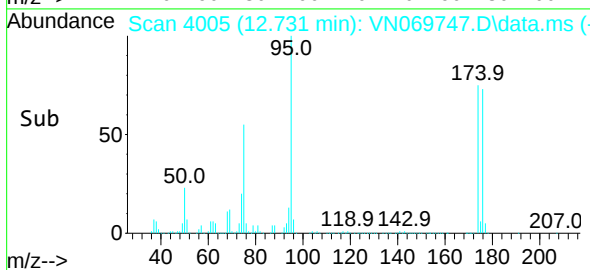
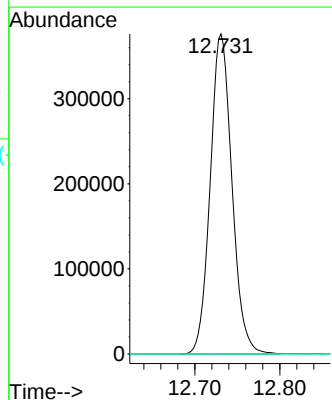
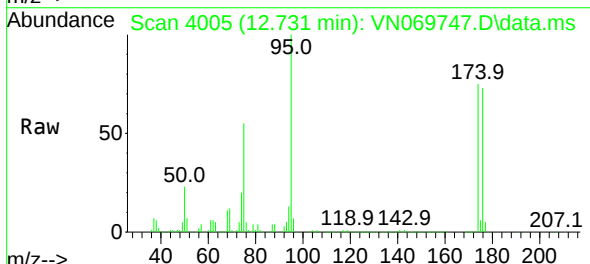
Instrument :
MSVOA_N
ClientSampleId :
EB-20211202

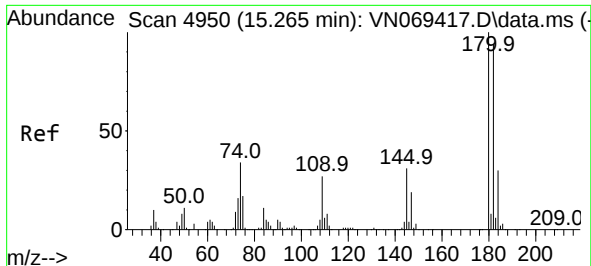
Tgt Ion: 75 Resp: 668357
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.163 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069747.D
Acq: 4 Dec 2021 4:22

Tgt Ion: 75 Resp: 668357
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

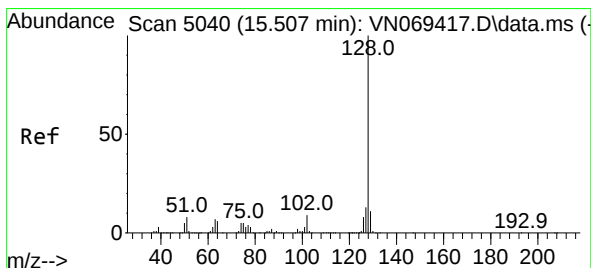
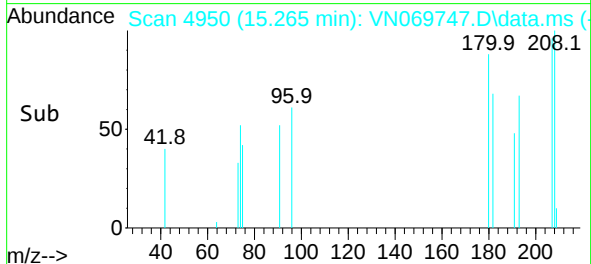
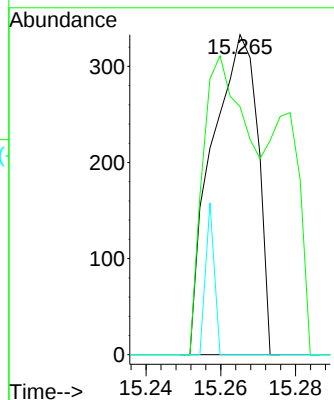
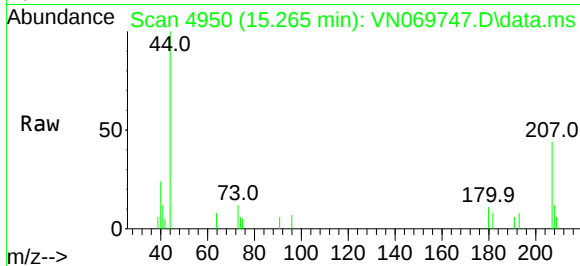




#93
 1,2,4-Trichlorobenzene
 Concen: 2.895 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069747.D
 Acq: 4 Dec 2021 4:22

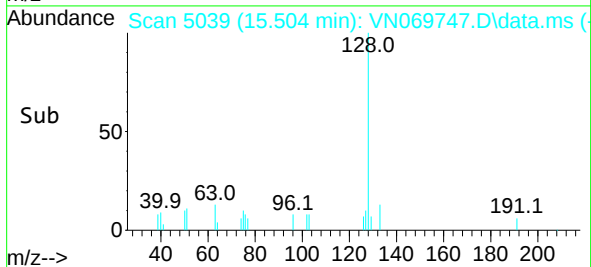
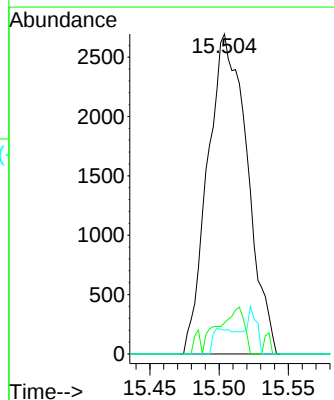
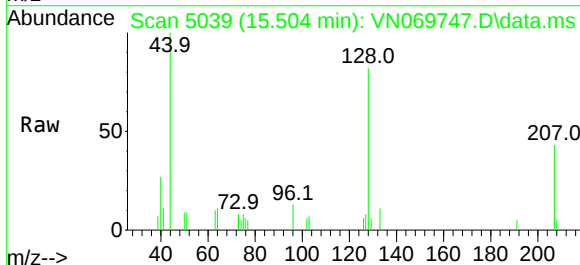
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20211202

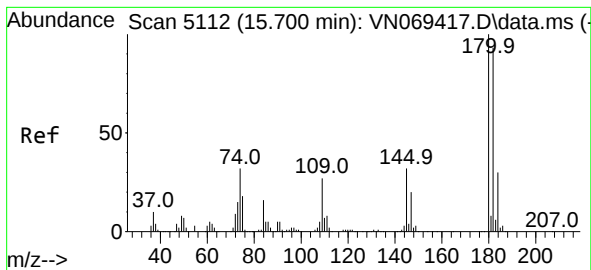
Tgt Ion:180 Resp: 282
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.3 144.9
 145 8.9 14.5 43.5#



#95
 Naphthalene
 Concen: 4.089 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.003 min
 Lab File: VN069747.D
 Acq: 4 Dec 2021 4:22

Tgt Ion:128 Resp: 5354
 Ion Ratio Lower Upper
 128 100
 127 1.1 10.5 15.7#
 129 4.7 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.462 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN069747.D

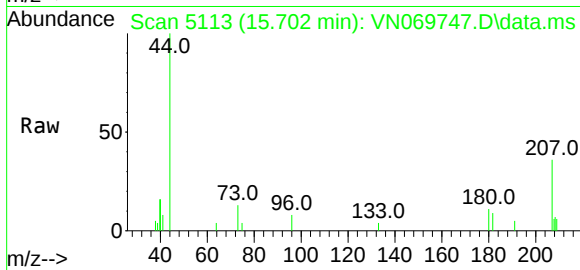
Acq: 4 Dec 2021 4:22

Instrument :

MSVOA_N

ClientSampleId :

EB-20211202



Tgt Ion:180 Resp: 425

Ion Ratio Lower Upper

180 100

182 54.8 47.4 142.2

145 0.0 15.0 45.1#

