

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069811.D
 Acq On : 7 Dec 2021 13:42
 Operator : JC/MD
 Sample : M4956-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-20211206

Quant Time: Dec 08 04:34:52 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)

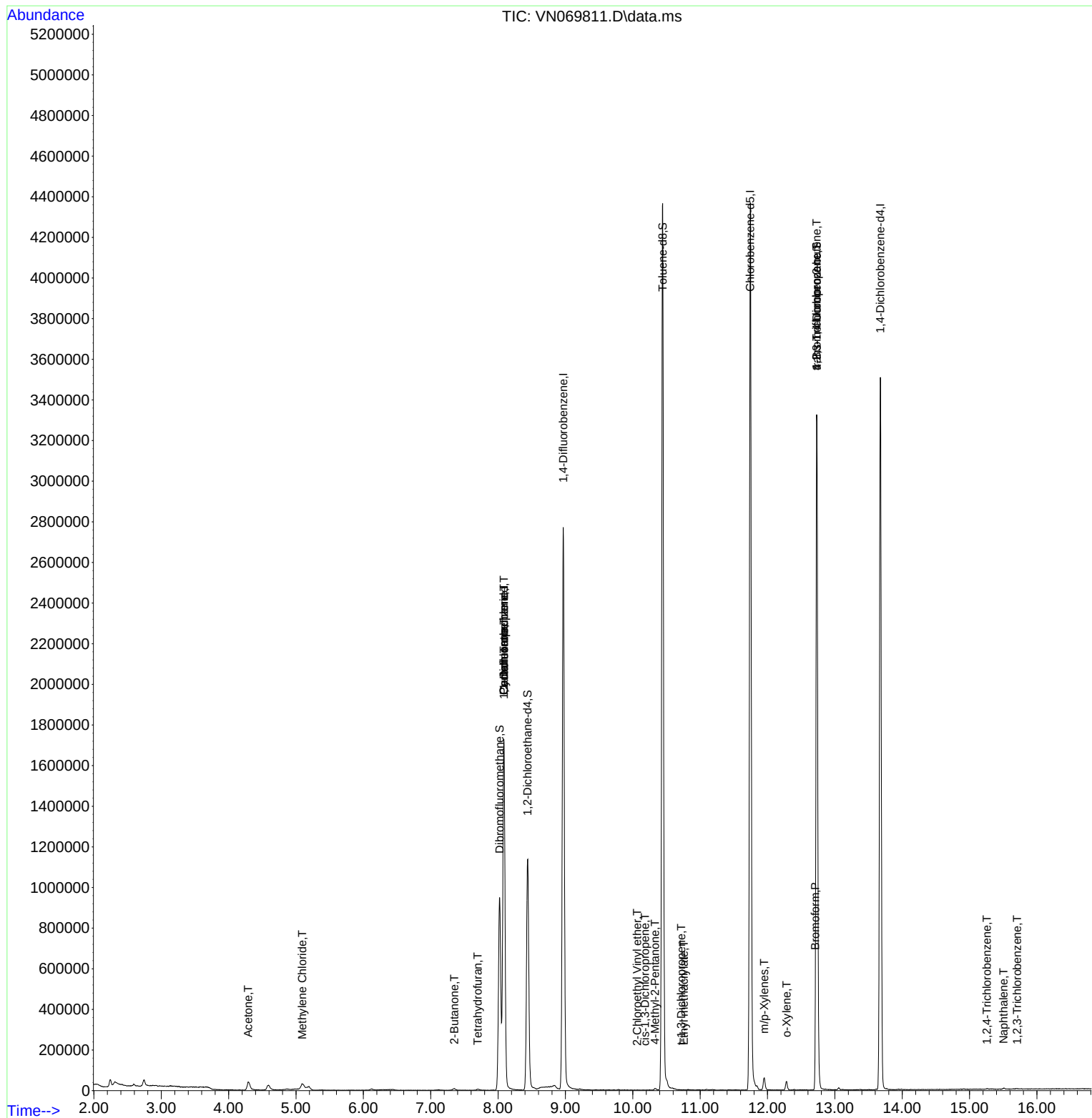
Internal Standards						
1) Pentafluorobenzene	8.086	168	1300814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2340062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2455798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	934925	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	991820	49.38	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.76%		
35) Dibromofluoromethane	8.021	113	693934	47.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.68%		
50) Toluene-d8	10.443	98	2976163	50.57	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.14%		
62) 4-Bromofluorobenzene	12.731	95	1156764	54.25	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.50%		
Target Compounds						
						Qvalue
16) Acetone	4.291	43	75356	6.24	ug/l	95
20) Methylene Chloride	5.092	84	9122	0.57	ug/l	96
25) 2-Butanone	7.351	43	13050	0.79	ug/l	93
29) Tetrahydrofuran	7.697	42	2364	0.24	ug/l #	75
31) Cyclohexane	8.086	56	34026	1.22	ug/l #	22
36) 1,1-Dichloropropene	8.088	75	109026	4.89	ug/l #	49
38) Carbon Tetrachloride	8.086	117	132150	6.05	ug/l #	17
51) 4-Methyl-2-Pentanone	10.330	43	6394	0.20	ug/l	96
53) t-1,3-Dichloropropene	10.719	75	26	2.80	ug/l	100
54) cis-1,3-Dichloropropene	10.183	75	89	2.00	ug/l #	32
56) Ethyl methacrylate	10.757	69	243	2.29	ug/l #	40
58) 2-Chloroethyl Vinyl ether	10.065	63	57	18.40	ug/l #	45
68) m/p-Xylenes	11.953	106	17837	0.54	ug/l	86
69) o-Xylene	12.283	106	11579	0.35	ug/l	90
71) Bromoform	12.709	173	140	2.74	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	648649	24.19	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	648649	76.81	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	493	2.91	ug/l #	7
95) Naphthalene	15.504	128	5012	4.09	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.705	180	1044	2.50	ug/l #	86

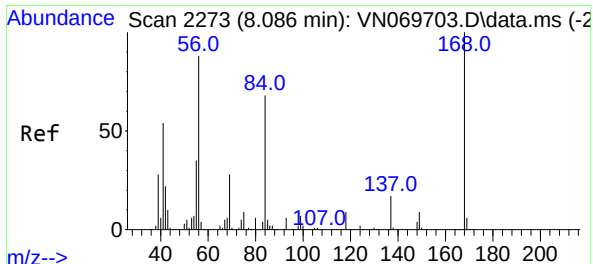
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

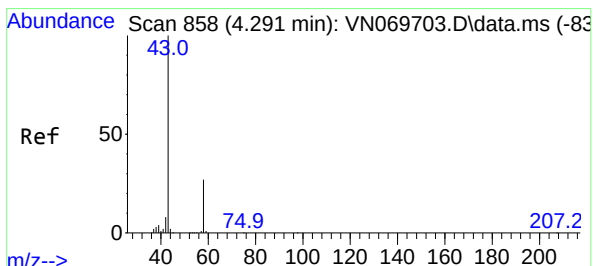
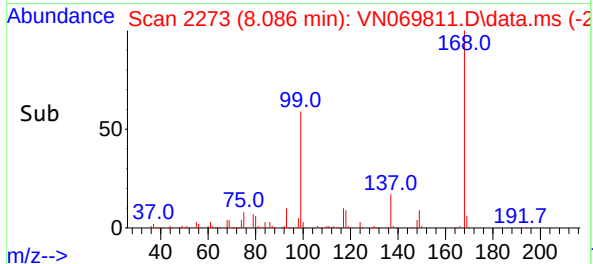
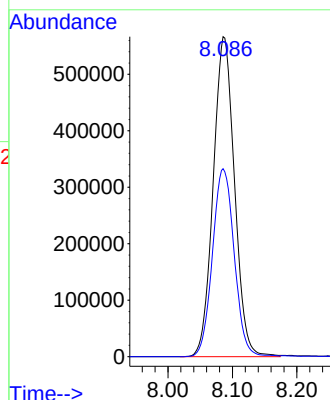
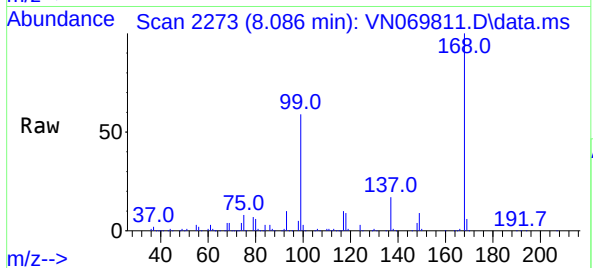




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

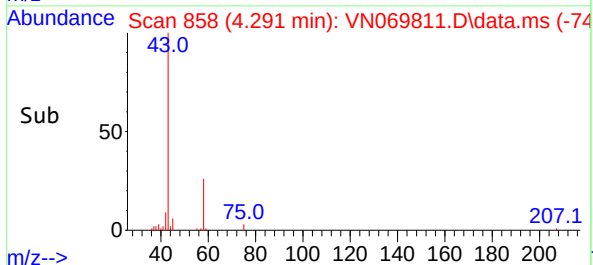
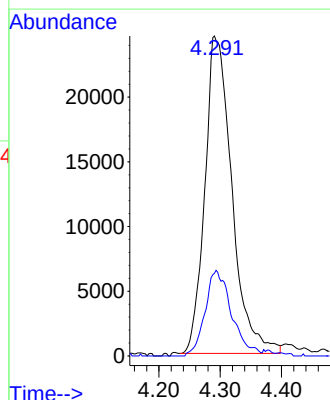
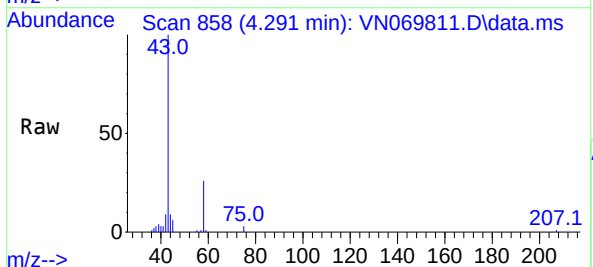
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

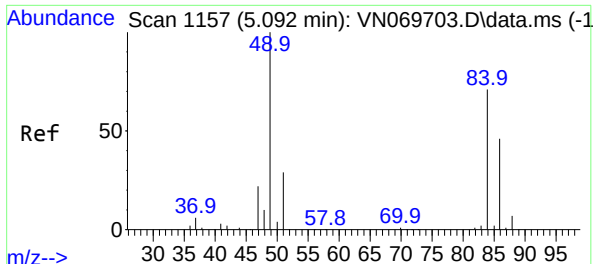
Tgt Ion:168 Resp: 1300814
Ion Ratio Lower Upper
168 100
99 58.8 41.3 61.9



#16
Acetone
Concen: 6.24 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion: 43 Resp: 75356
Ion Ratio Lower Upper
43 100
58 26.1 23.1 34.7



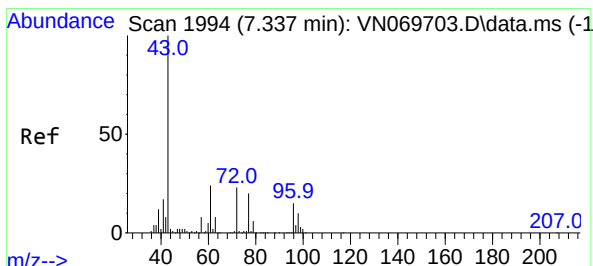
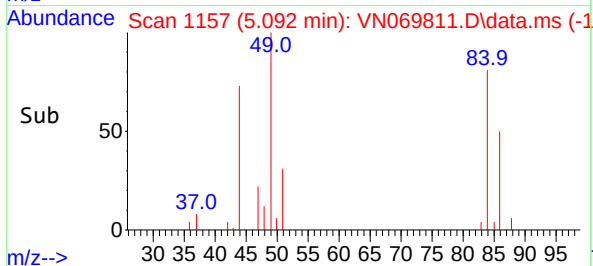
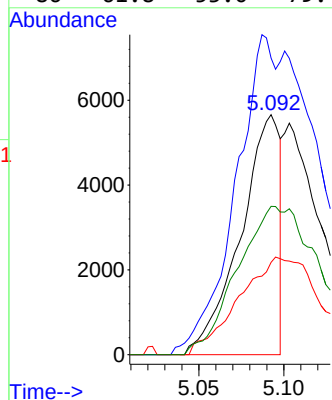
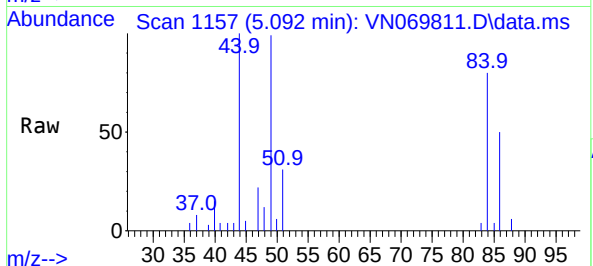


#20
Methylene Chloride
Concen: 0.57 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

Tgt Ion: 84 Resp: 9122

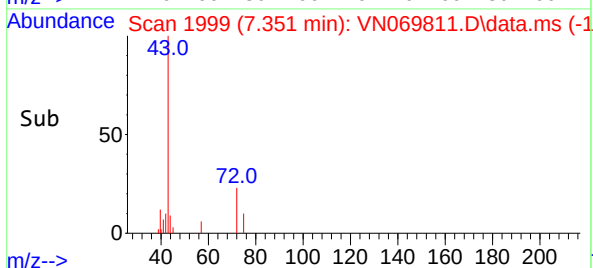
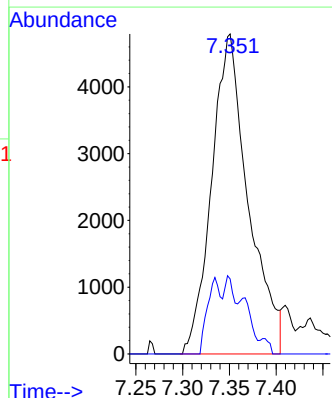
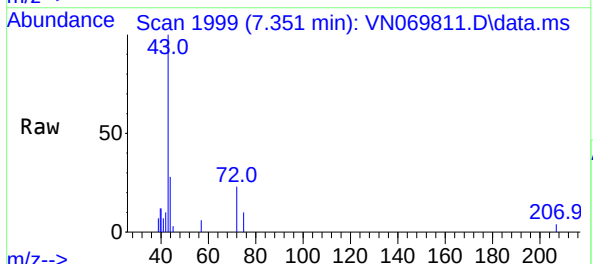
Ion	Ratio	Lower	Upper
84	100		
49	120.0	93.5	140.3
51	38.5	29.4	44.2
86	61.8	53.0	79.4

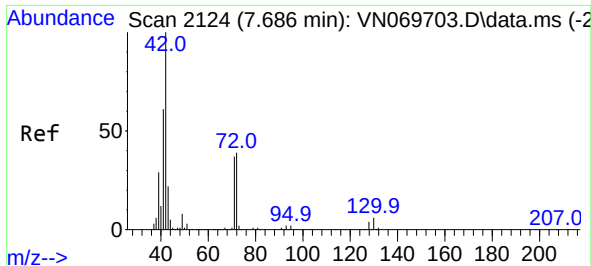


#25
2-Butanone
Concen: 0.79 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.013 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion: 43 Resp: 13050

Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 7.697 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN069811.D

Acq: 7 Dec 2021 13:42

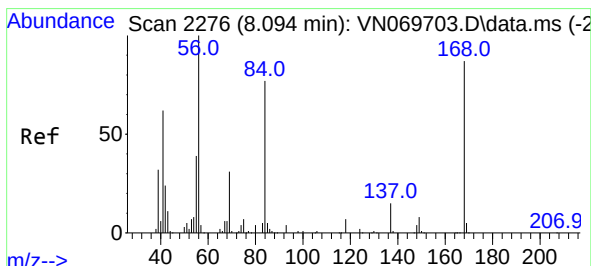
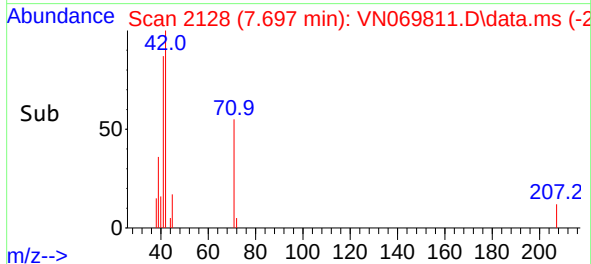
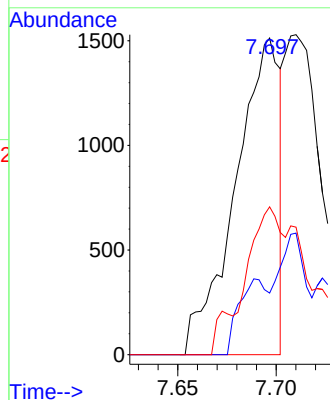
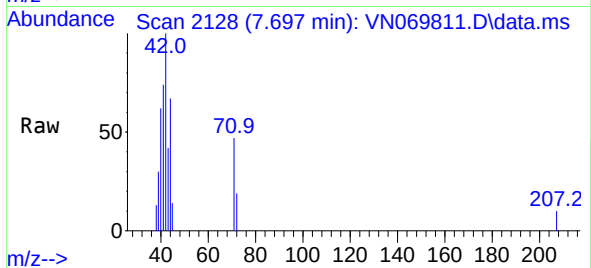
Instrument :

MSVOA_N

ClientSampleId :

EB02-20211206

Tgt Ion:	42	Resp:	2364
Ion	Ratio	Lower	Upper
42	100		
72	15.8	36.3	54.5#
71	41.2	34.7	52.1



#31

Cyclohexane

Concen: 1.22 ug/l

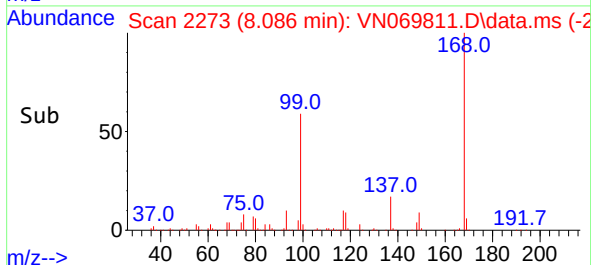
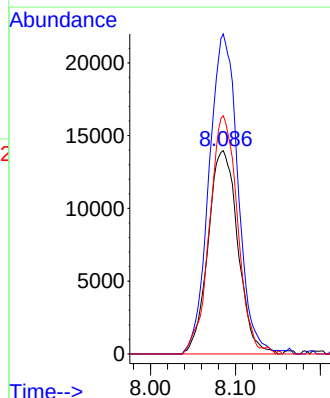
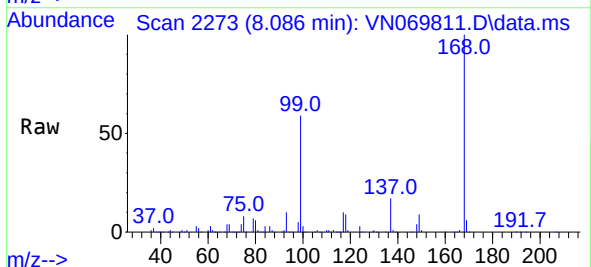
RT: 8.086 min Scan# 2273

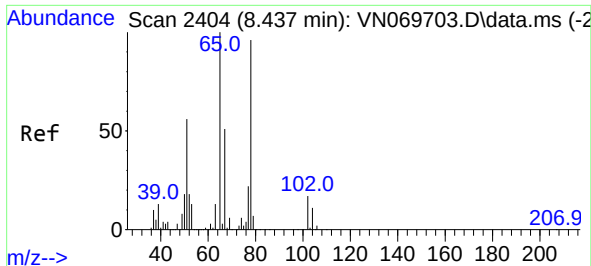
Delta R.T. -0.008 min

Lab File: VN069811.D

Acq: 7 Dec 2021 13:42

Tgt Ion:	56	Resp:	34026
Ion	Ratio	Lower	Upper
56	100		
69	157.4	27.1	40.7#
84	117.2	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.38 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069811.D

Acq: 7 Dec 2021 13:42

Instrument :

MSVOA_N

ClientSampleId :

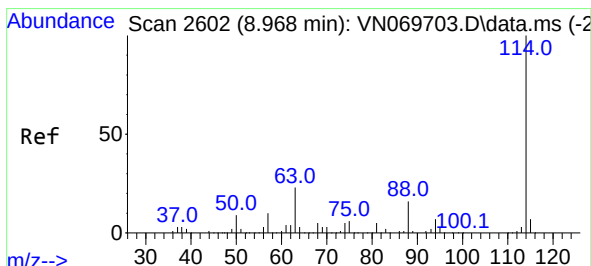
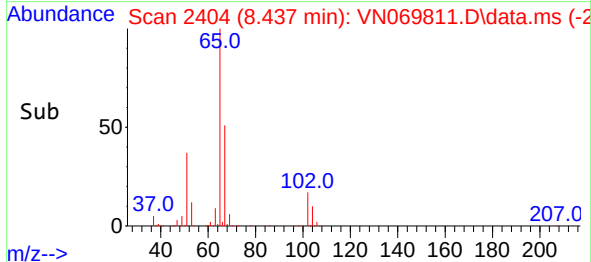
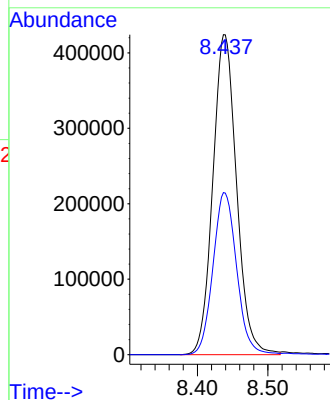
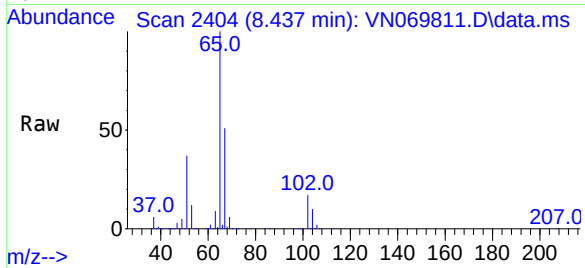
EB02-20211206

Tgt Ion: 65 Resp: 991820

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069811.D

Acq: 7 Dec 2021 13:42

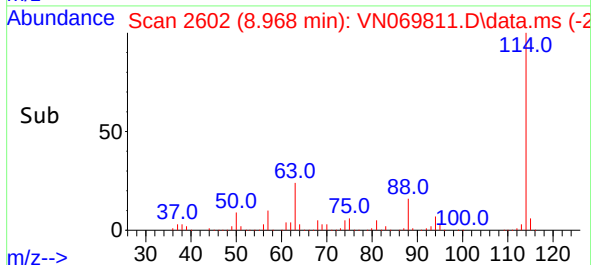
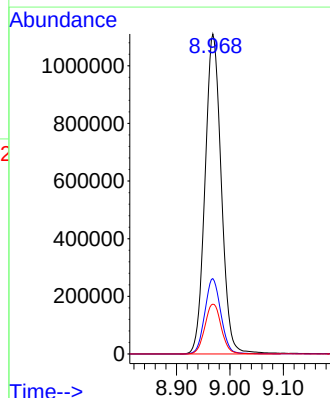
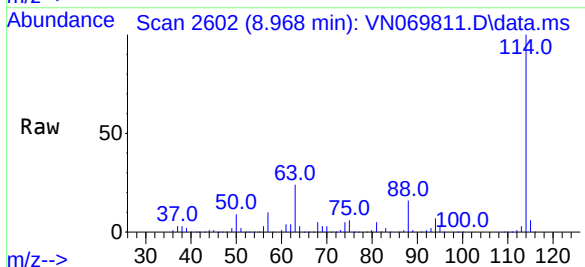
Tgt Ion: 114 Resp: 2340062

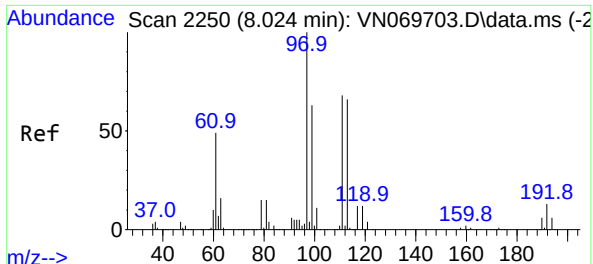
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 15.6 0.0 27.4

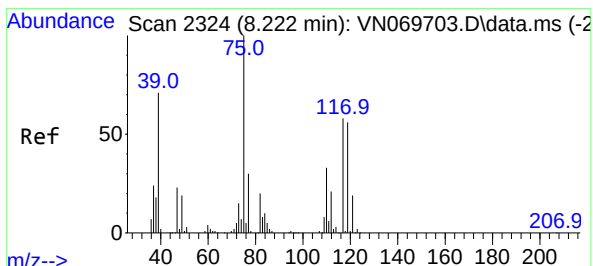
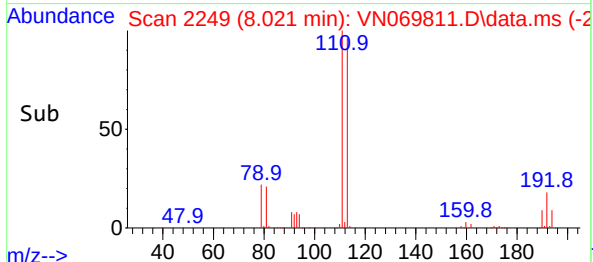
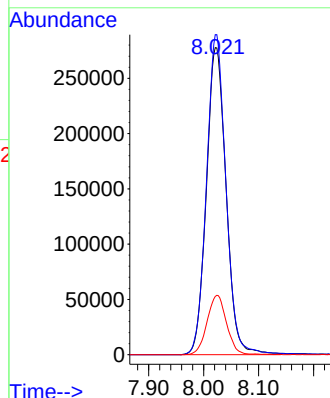
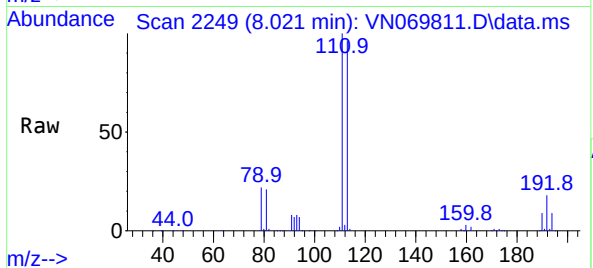




#35
Dibromofluoromethane
Concen: 47.34 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

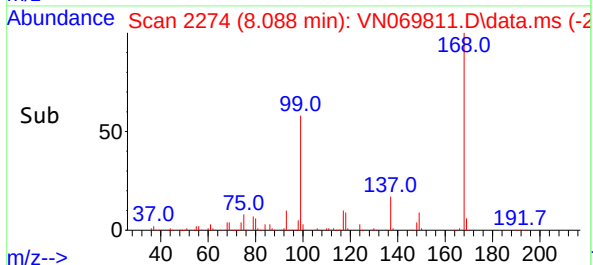
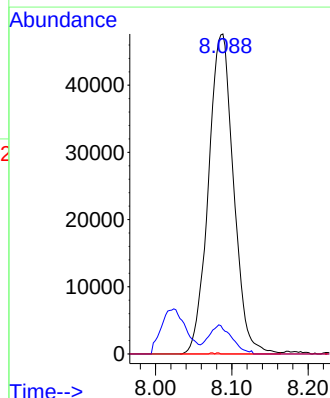
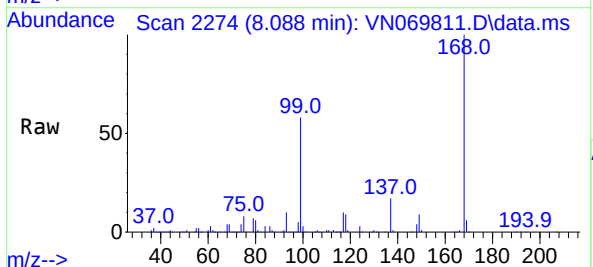
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EB02-20211206

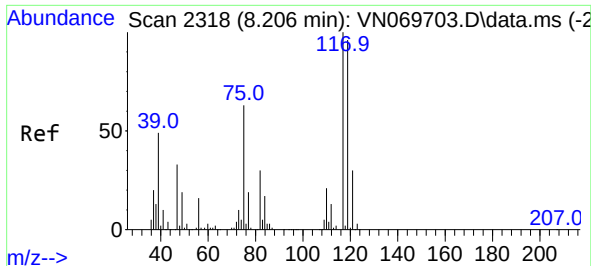
Tgt Ion:113 Resp: 693934
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion: 75 Resp: 109026
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#

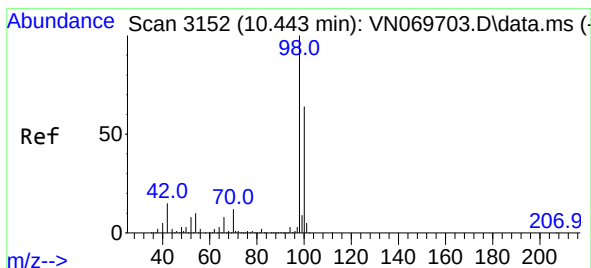
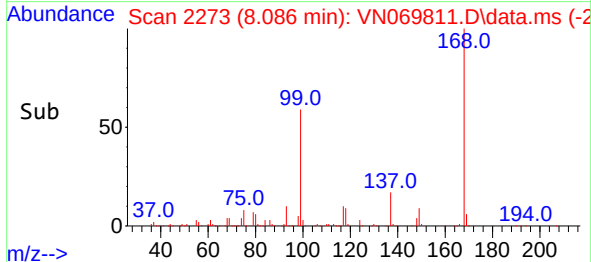
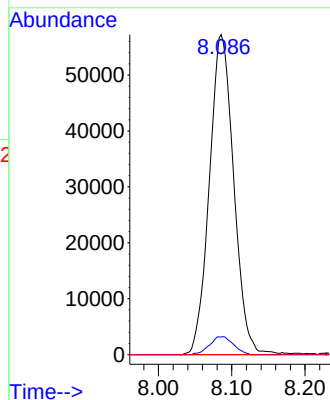
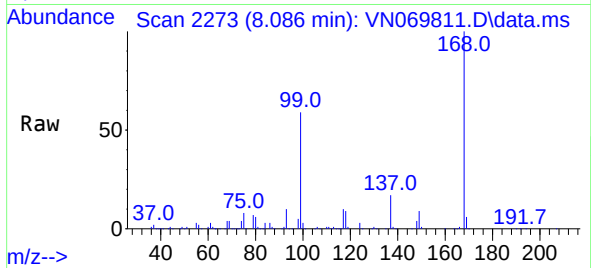




#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

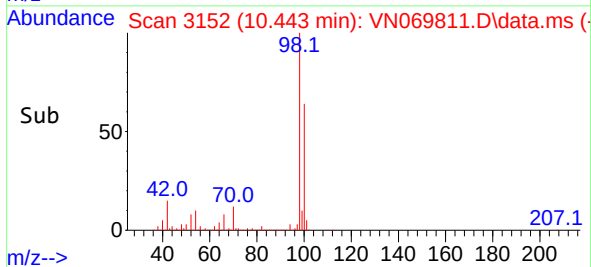
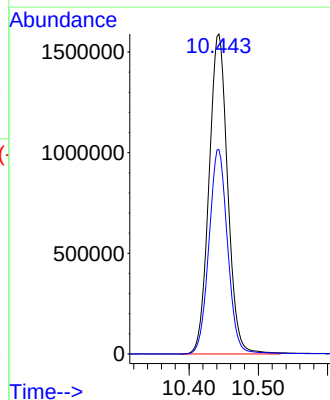
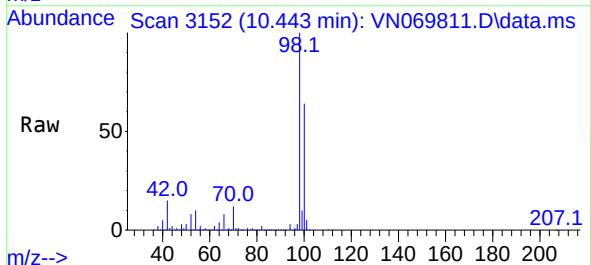
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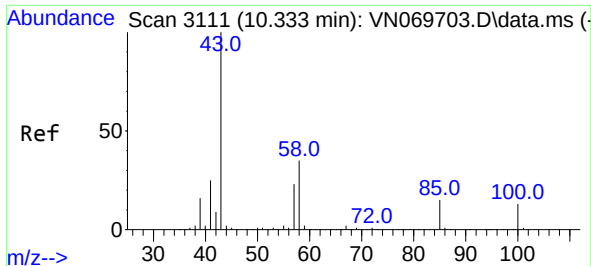
Tgt Ion:117 Resp: 132150
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.57 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion: 98 Resp: 2976163
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6

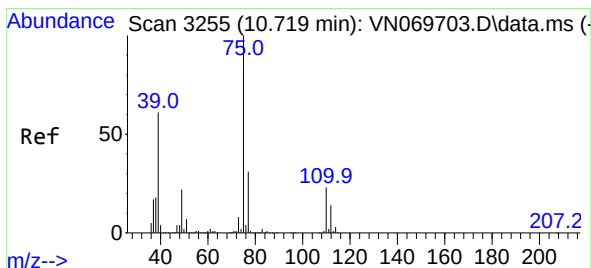
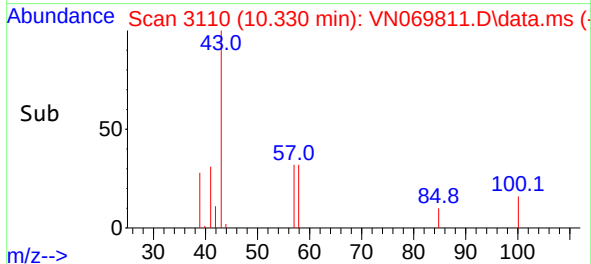
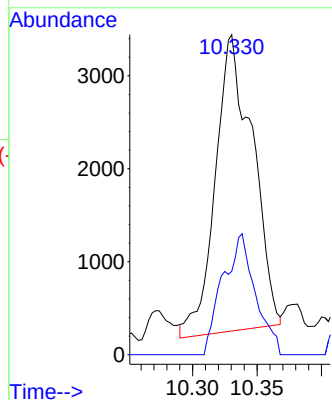
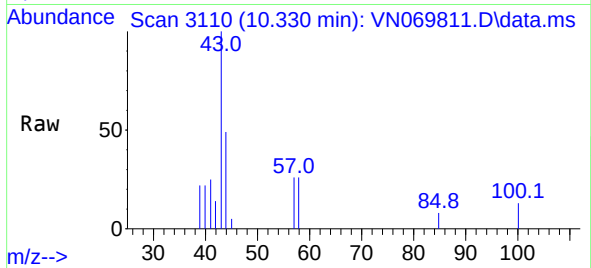




#51
4-Methyl-2-Pentanone
Concen: 0.20 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

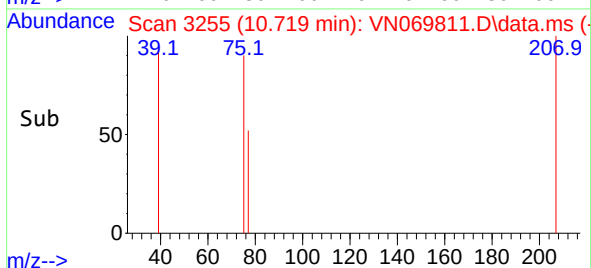
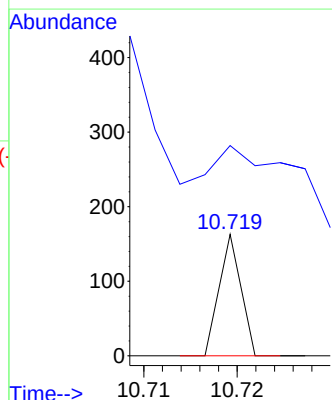
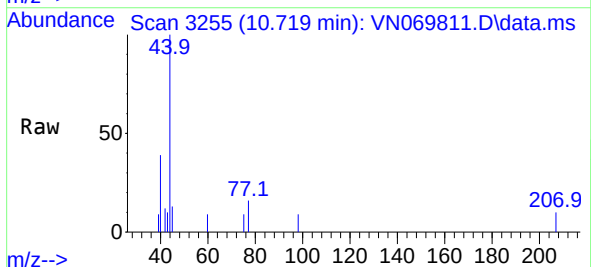
Instrument :
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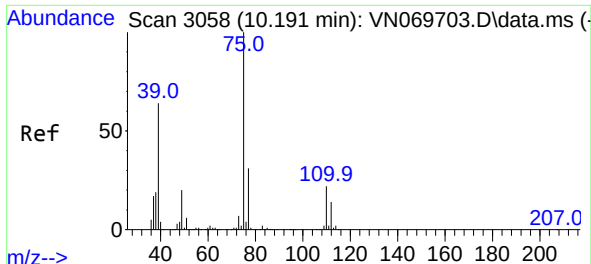
Tgt Ion: 43 Resp: 6394
Ion Ratio Lower Upper
43 100
58 35.7 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

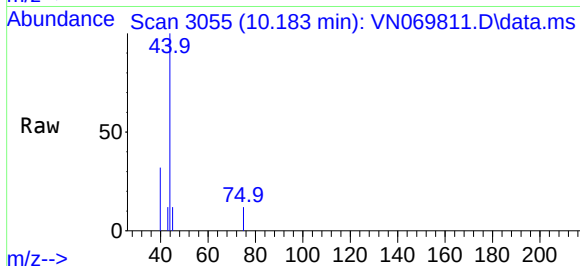
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4



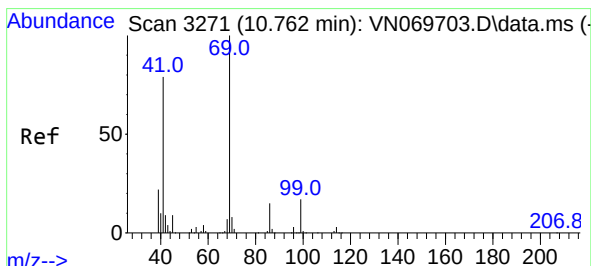
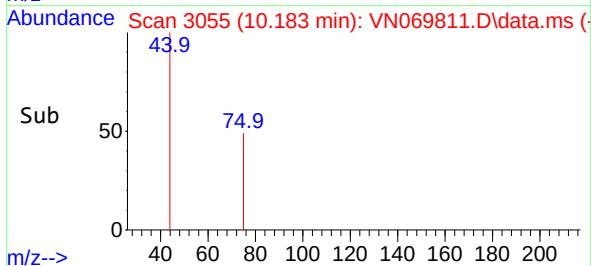
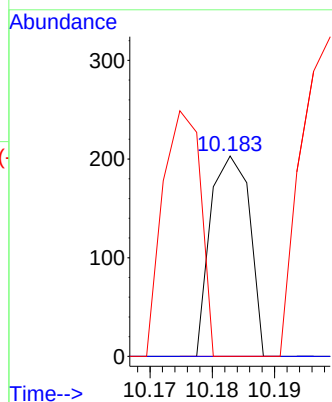


#54
cis-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.183 min Scan# 3058
Delta R.T. -0.008 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

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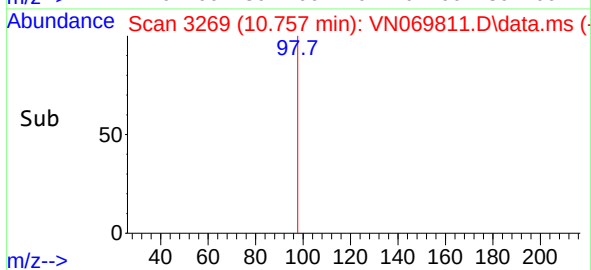
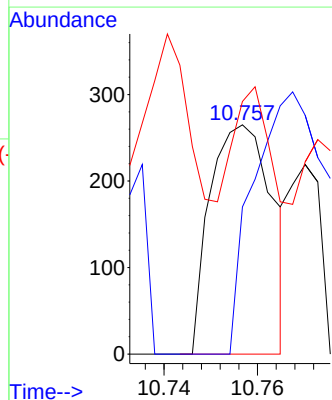
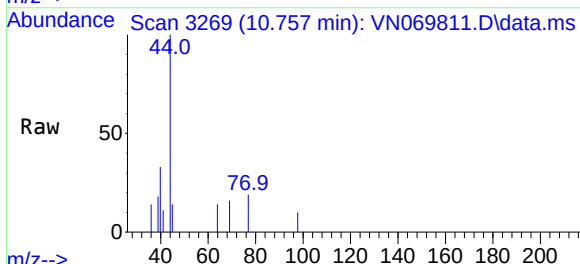


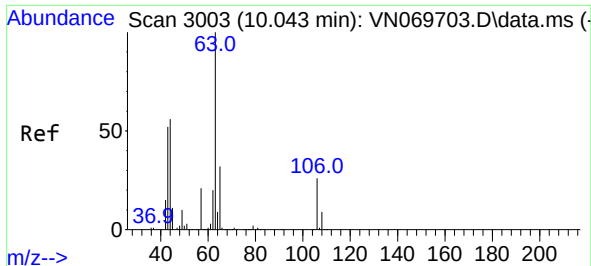
Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.29 ug/l
RT: 10.757 min Scan# 3269
Delta R.T. -0.005 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion: 69 Resp: 243
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 26.3 34.6 52.0#

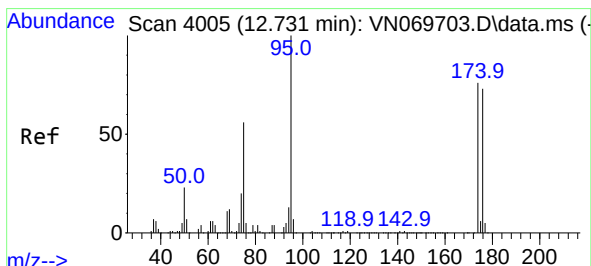
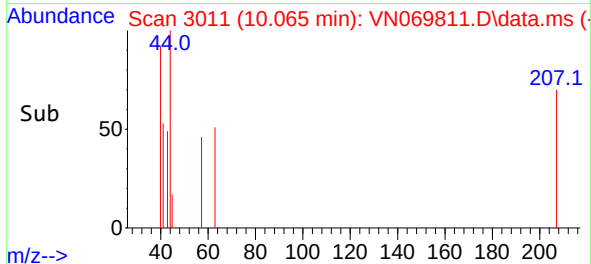
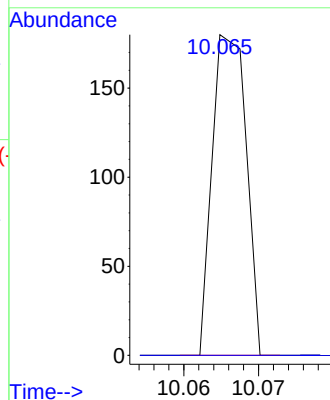
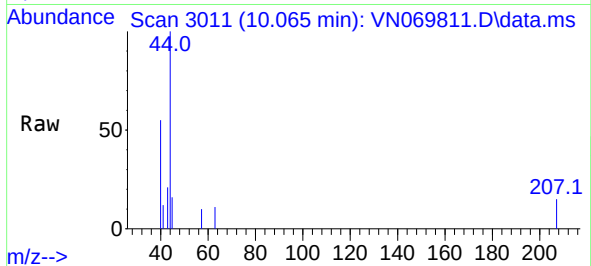




#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.065 min Scan# 3003
Delta R.T. 0.022 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

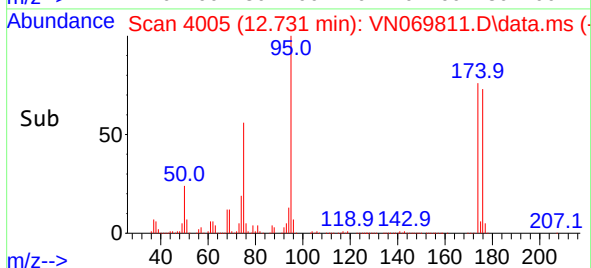
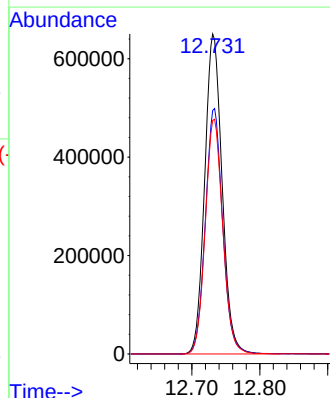
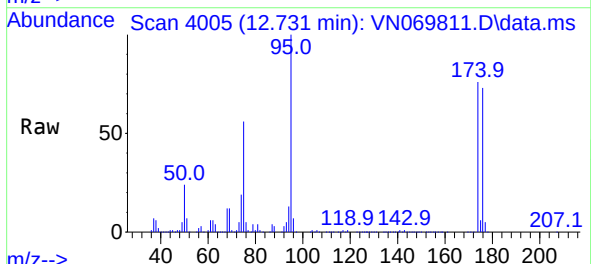
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

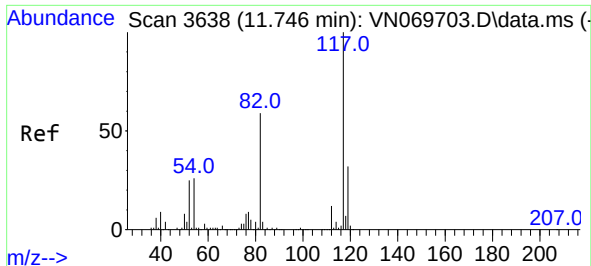
Tgt Ion: 63 Resp: 57
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 54.25 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion: 95 Resp: 1156764
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.8 0.0 181.4

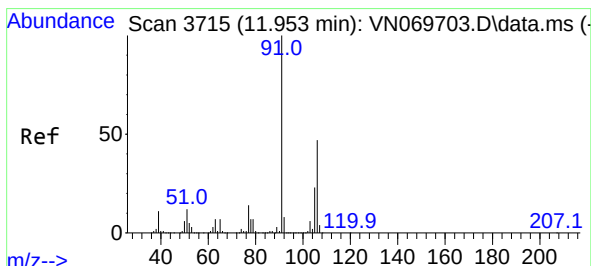
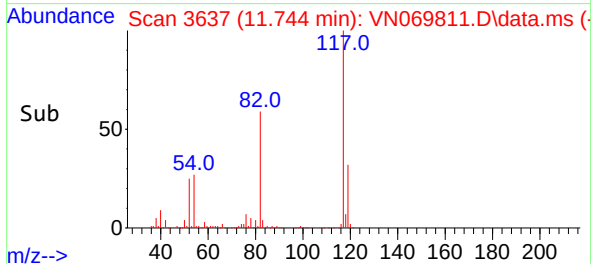
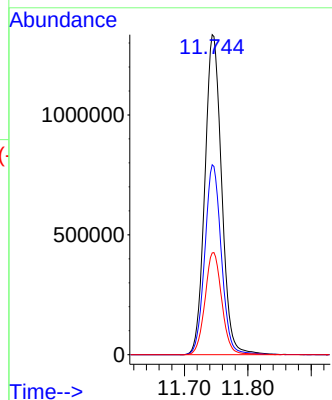
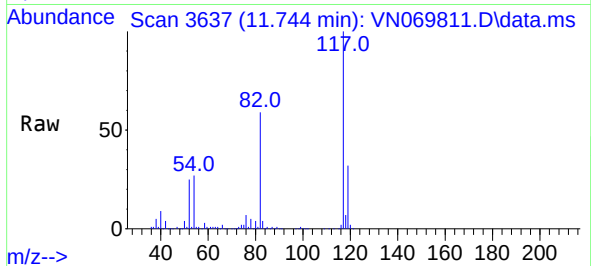




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

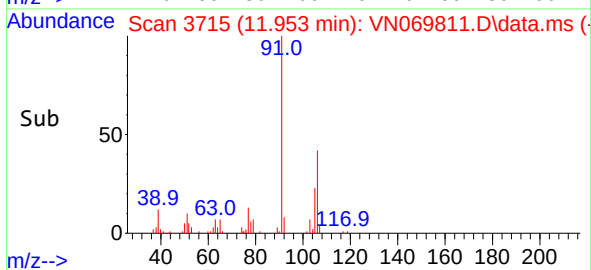
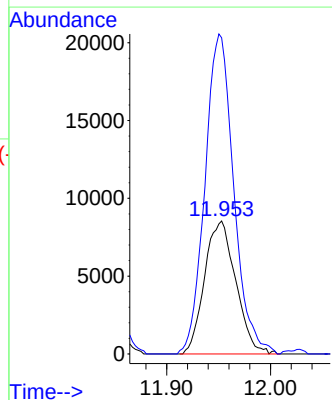
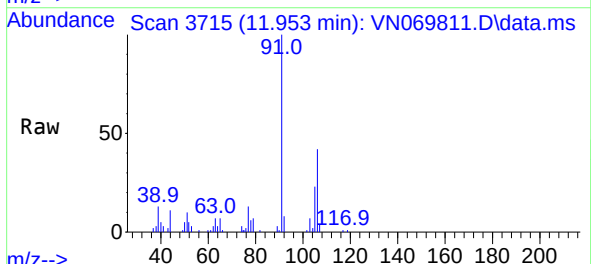
Instrument :
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ClientSampleId :
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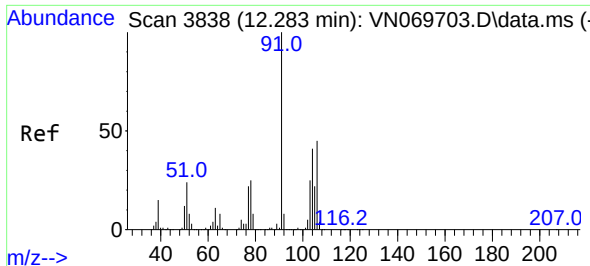
Tgt Ion:117 Resp: 2455798
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 0.54 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion:106 Resp: 17837
Ion Ratio Lower Upper
106 100
91 222.3 160.6 240.8

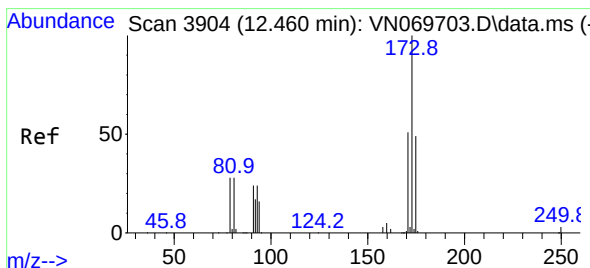
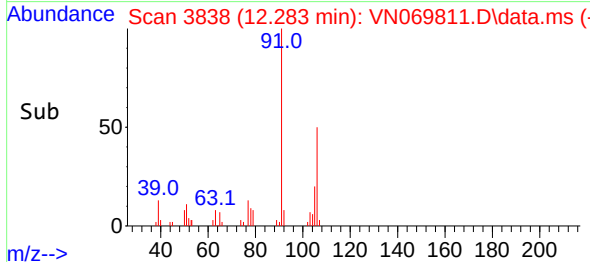
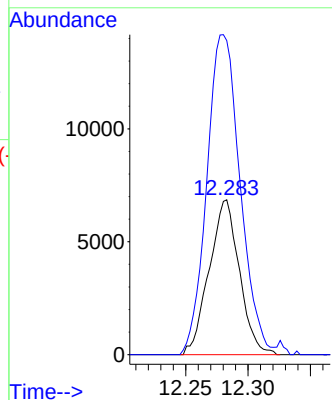
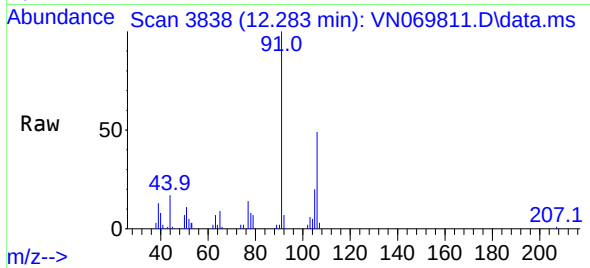




#69
o-Xylene
Concen: 0.35 ug/l
RT: 12.283 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

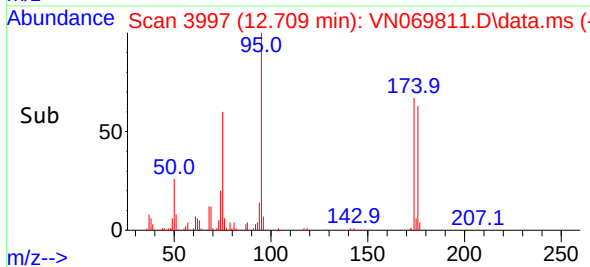
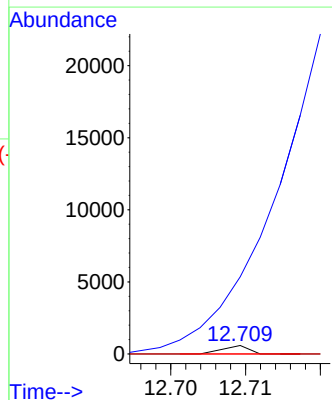
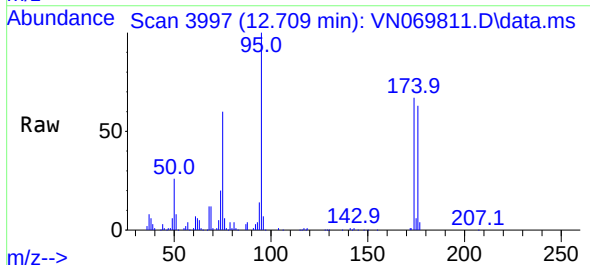
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

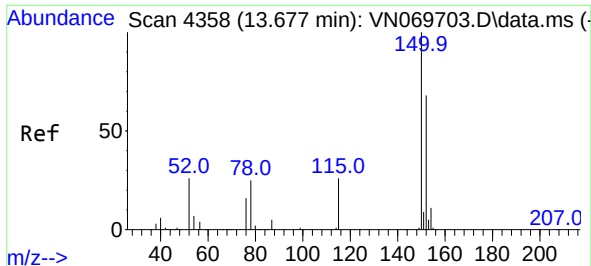
Tgt Ion:106 Resp: 11579
Ion Ratio Lower Upper
106 100
91 227.2 105.8 317.3



#71
Bromoform
Concen: 2.74 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion:173 Resp: 140
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

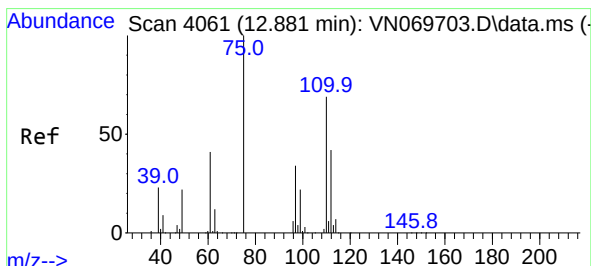
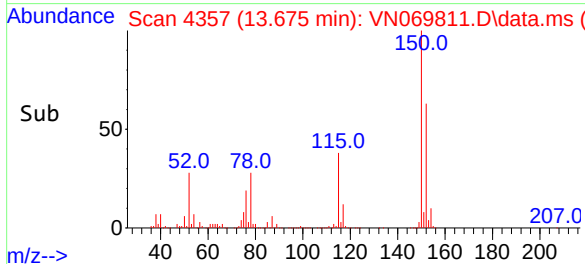
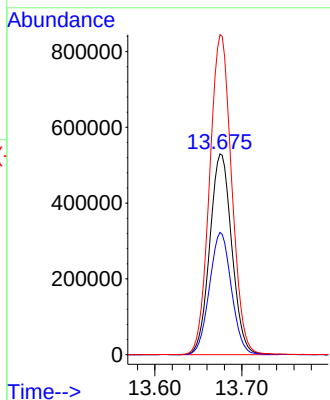
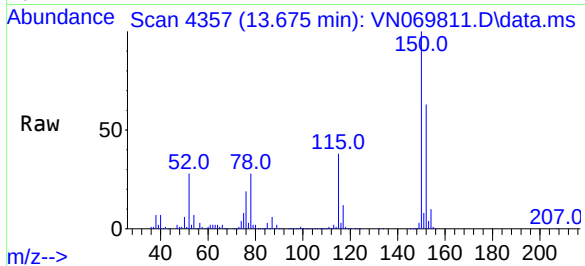




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

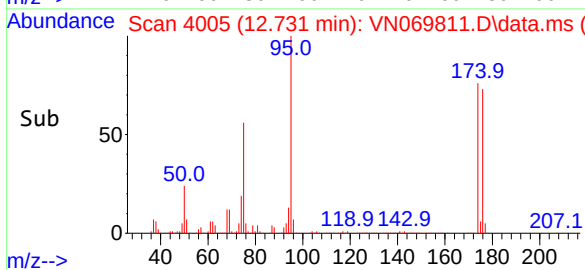
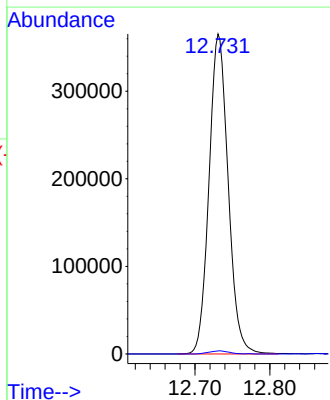
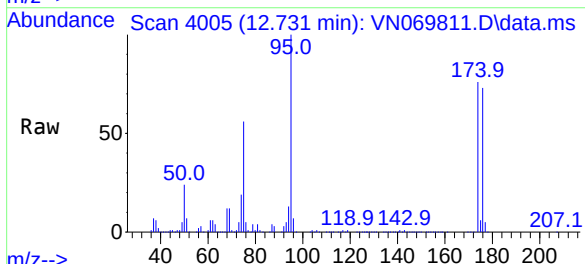
Instrument :
MSVOA_N
ClientSampleId :
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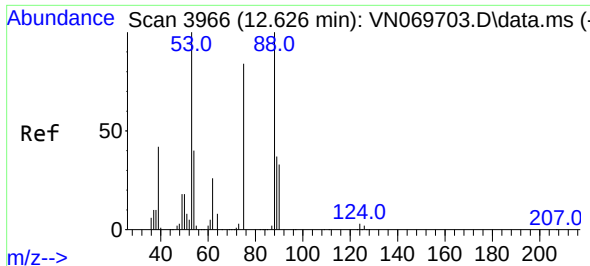
Tgt Ion:152 Resp: 934925
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 159.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.19 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion: 75 Resp: 648649
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

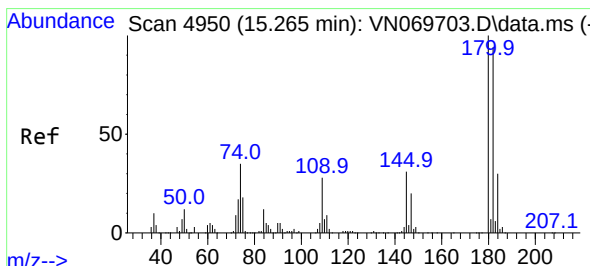
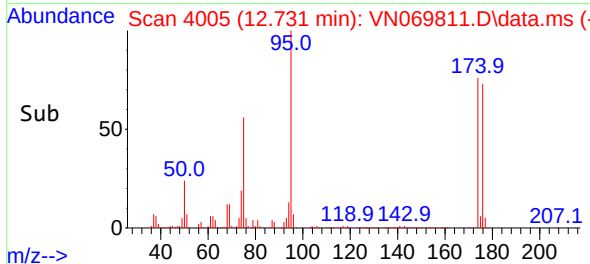
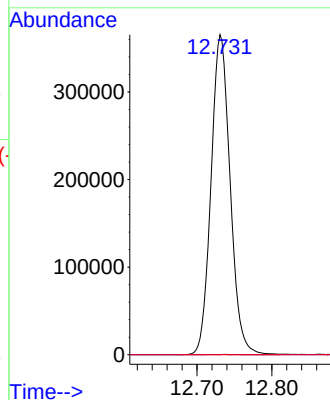
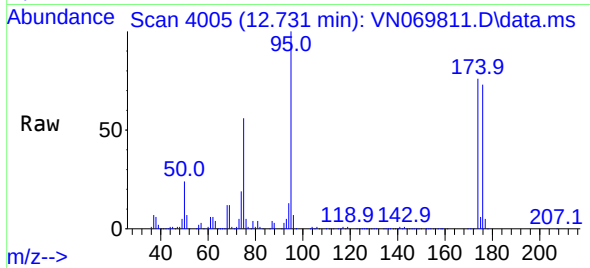




#81
trans-1,4-Dichloro-2-butene
Concen: 76.81 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

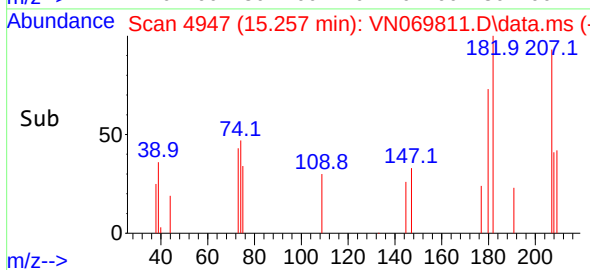
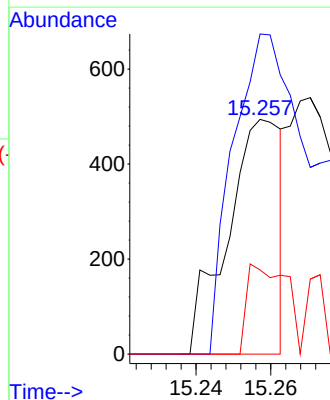
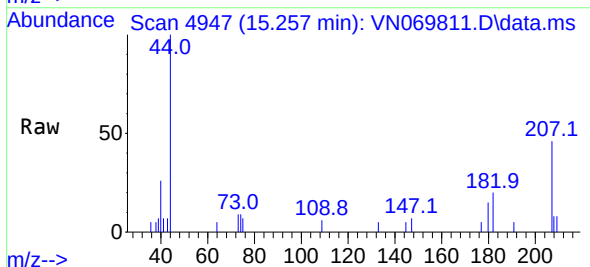
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

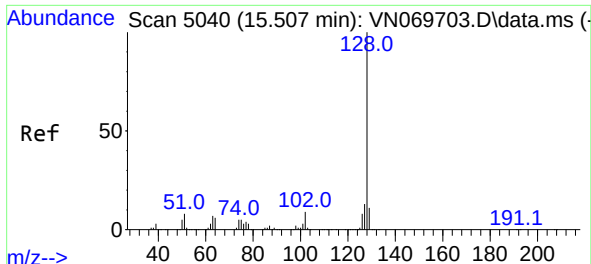
Tgt Ion: 75 Resp: 648649
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.91 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion:180 Resp: 493
Ion Ratio Lower Upper
180 100
182 214.8 48.3 144.9#
145 28.0 14.5 43.5

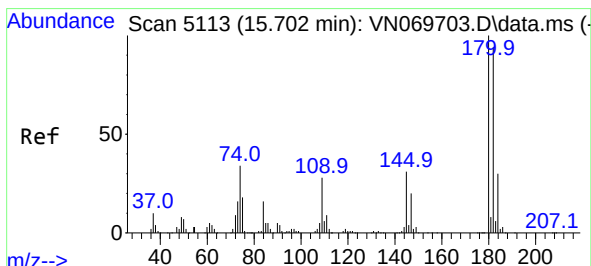
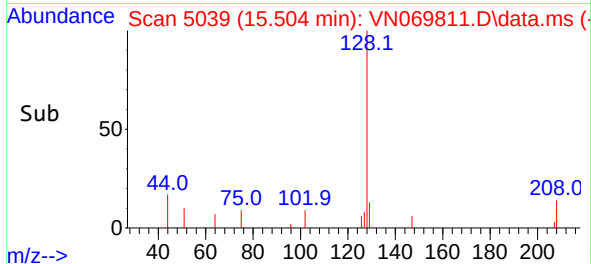
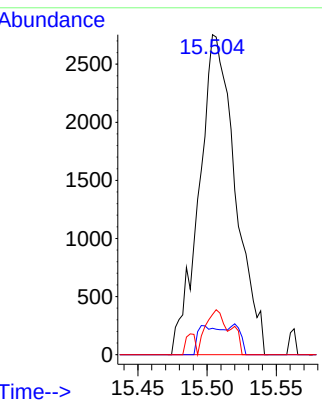
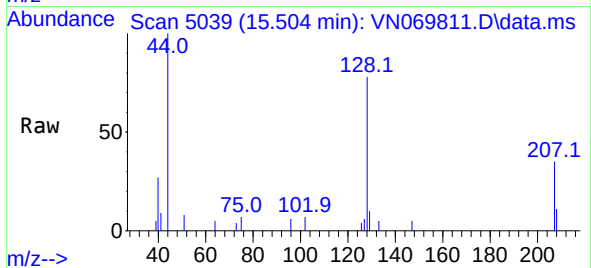




#95
Naphthalene
Concen: 4.09 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 5012
Ion Ratio Lower Upper
128 100
127 5.0 10.5 15.7#
129 9.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.50 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069811.D
Acq: 7 Dec 2021 13:42

Tgt Ion:180 Resp: 1044
Ion Ratio Lower Upper
180 100
182 89.4 47.4 142.2
145 7.5 15.0 45.1#

