

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069947.D
 Acq On : 10 Dec 2021 7:10
 Operator : JC/MD
 Sample : M4966-28
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P20-8

Quant Time: Dec 10 08:17:01 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)

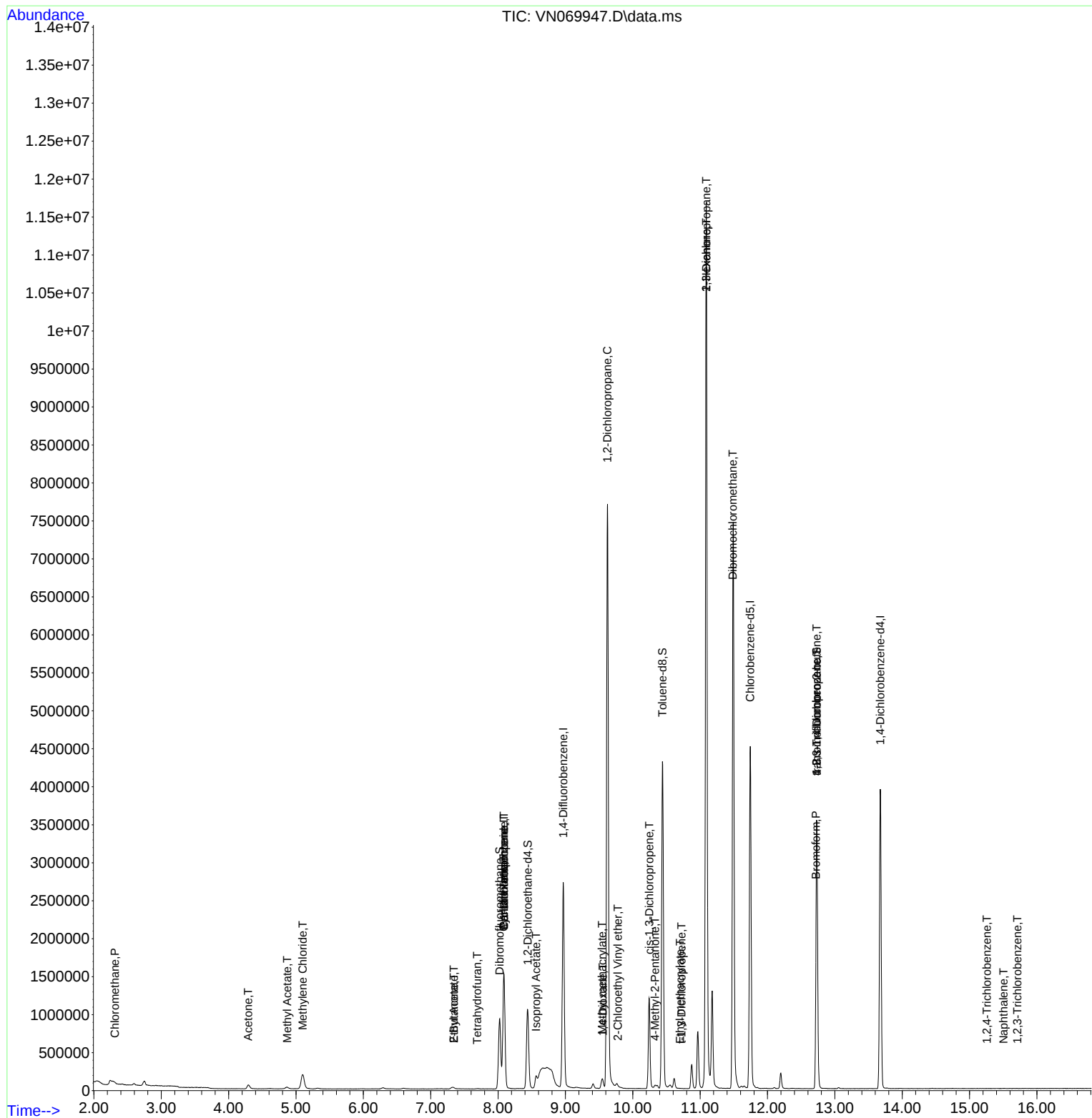
Internal Standards						
1) Pentafluorobenzene	8.086	168	1108789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2178156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2511160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1035725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	908501	53.068	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.140%			
35) Dibromofluoromethane	8.021	113	669615	49.079	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.160%			
50) Toluene-d8	10.440	98	2893517	52.818	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.731	95	1212648	61.101	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 122.200%			
Target Compounds						Qvalue
3) Chloromethane	2.311	50	4420	0.273	ug/l #	80
16) Acetone	4.291	43	96785	9.398	ug/l	96
18) Methyl Acetate	4.870	43	48621	1.564	ug/l	90
20) Methylene Chloride	5.098	84	139553	10.194	ug/l	86
25) 2-Butanone	7.343	43	16723	1.195	ug/l #	89
29) Tetrahydrofuran	7.691	42	1851	0.218	ug/l #	61
31) Cyclohexane	8.083	56	29739	1.248	ug/l #	42
36) 1,1-Dichloropropene	8.086	75	95001	4.582	ug/l #	49
37) Ethyl Acetate	7.343	43	16723	0.542	ug/l #	68
38) Carbon Tetrachloride	8.088	117	115485	5.680	ug/l #	17
43) Isopropyl Acetate	8.566	43	195864	4.289	ug/l #	79
45) 1,2-Dichloropropane	9.622	63	8395	0.493	ug/l #	44
48) Methyl methacrylate	9.545	41	38411	1.802	ug/l #	8
49) 1,4-Dioxane	9.555	88	81	0.212	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	31106	1.050	ug/l	88
53) t-1,3-Dichloropropene	10.722	75	86	2.797	ug/l #	43
54) cis-1,3-Dichloropropene	10.245	75	190120	8.840	ug/l #	71
56) Ethyl methacrylate	10.701	69	608	2.299	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	115776	4.212	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.778	63	25	18.392	ug/l #	45
59) 2-Hexanone	11.089	43	2049956	91.465	ug/l #	48
60) Dibromochloromethane	11.484	129	479	2.403	ug/l #	11
71) Bromoform	12.720	173	2301	2.873	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	677545	22.811	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	677545	72.656	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.255	180	53	2.881	ug/l #	82
95) Naphthalene	15.504	128	2436	4.029	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.708	180	52	2.439	ug/l #	19

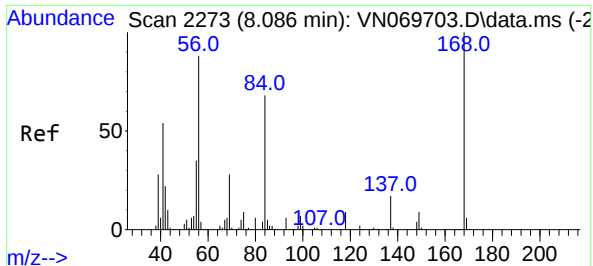
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

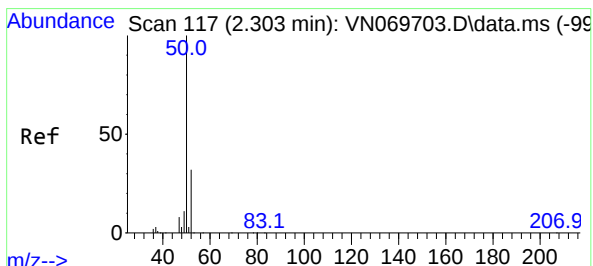
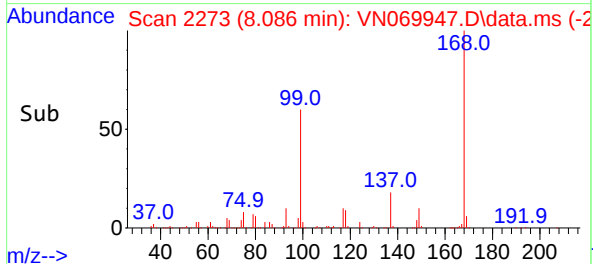
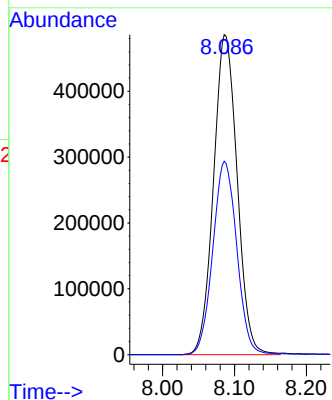
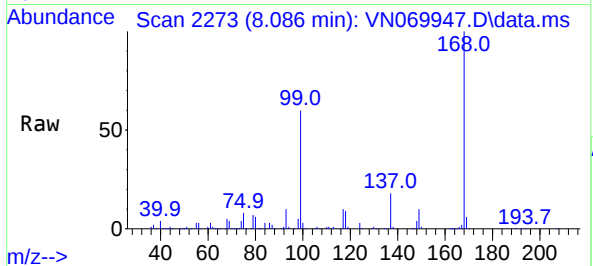




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

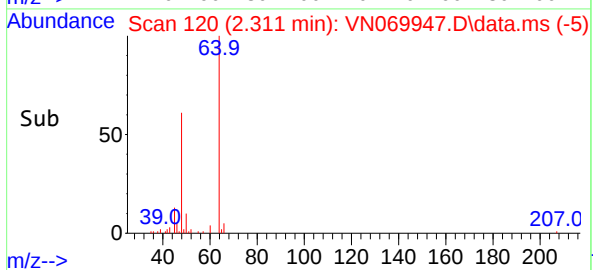
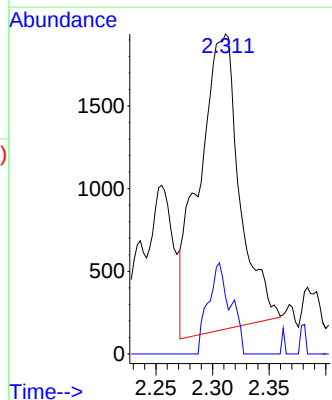
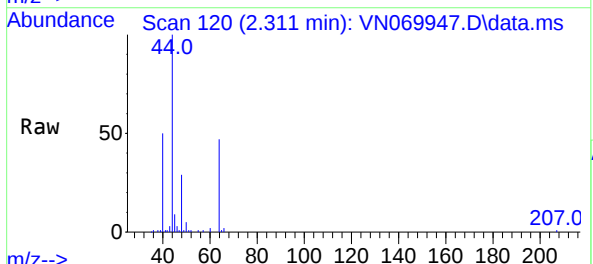
Instrument :
MSVOA_N
ClientSampleId :
P20-8

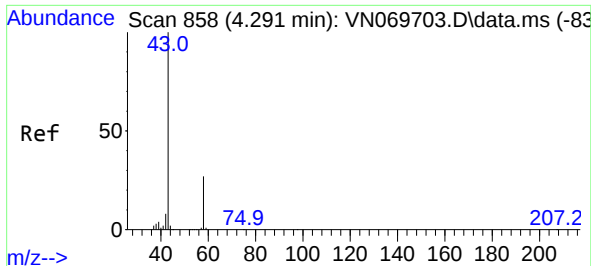
Tgt Ion:168 Resp: 1108789
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#3
Chloromethane
Concen: 0.273 ug/l
RT: 2.311 min Scan# 120
Delta R.T. 0.008 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 50 Resp: 4420
Ion Ratio Lower Upper
50 100
52 20.3 25.4 38.0#

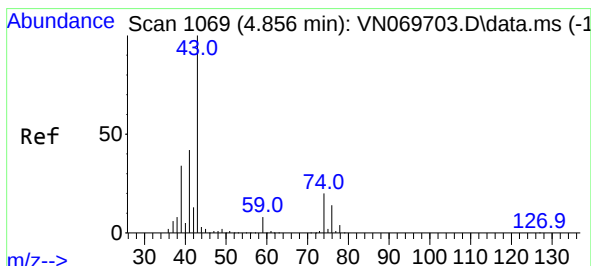
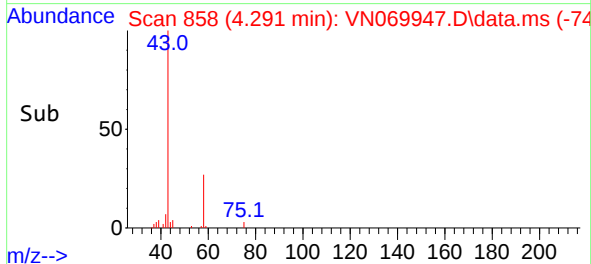
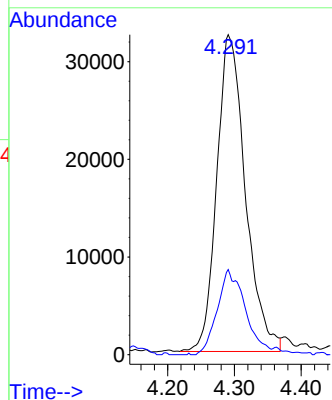
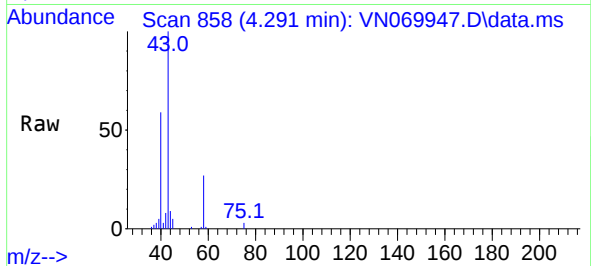




#16
Acetone
Concen: 9.398 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

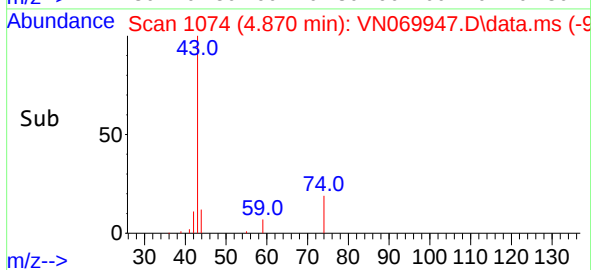
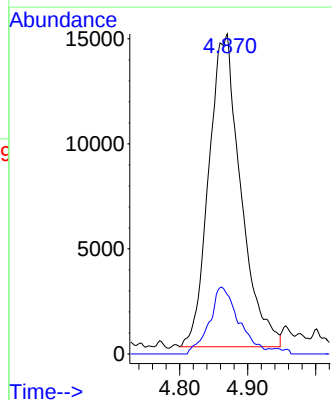
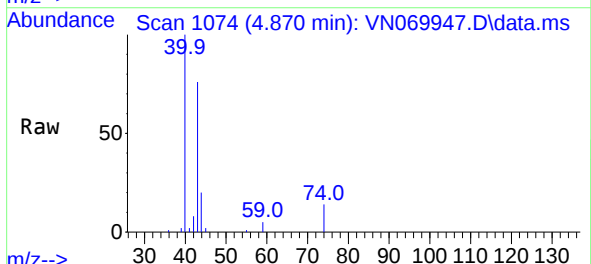
Instrument :
MSVOA_N
ClientSampleId :
P20-8

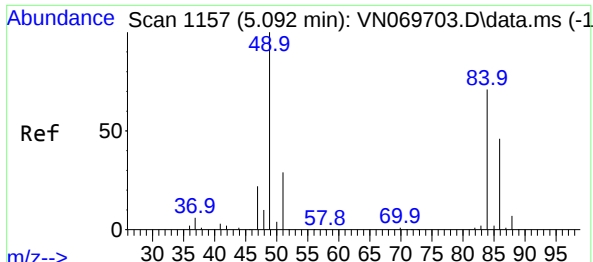
Tgt Ion: 43 Resp: 96785
Ion Ratio Lower Upper
43 100
58 26.8 23.1 34.7



#18
Methyl Acetate
Concen: 1.564 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.014 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 43 Resp: 48621
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.2



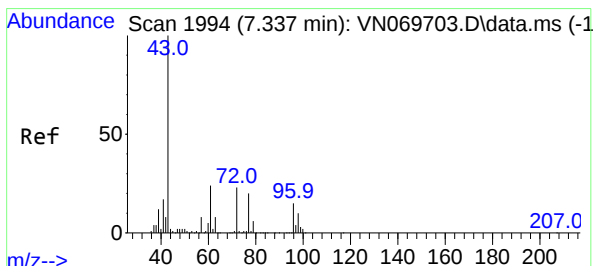
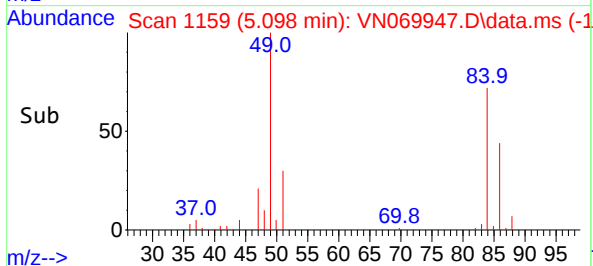
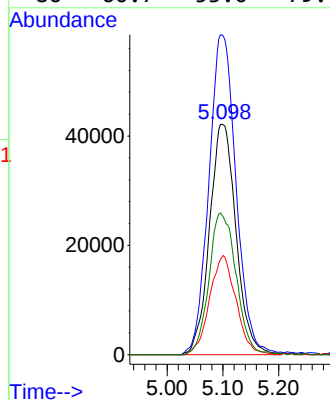
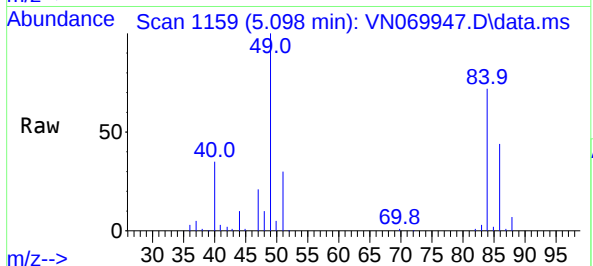


#20
Methylene Chloride
Concen: 10.194 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Instrument :
MSVOA_N
ClientSampleId :
P20-8

Tgt Ion: 84 Resp: 139553

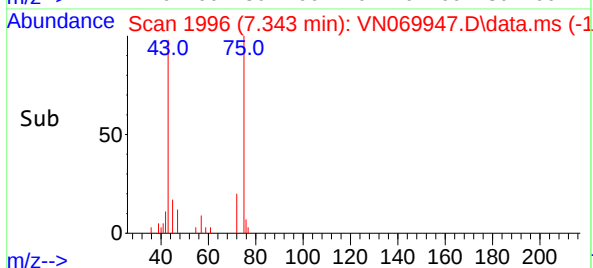
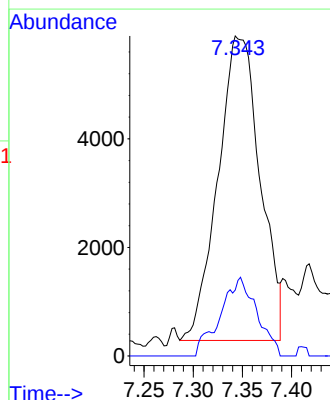
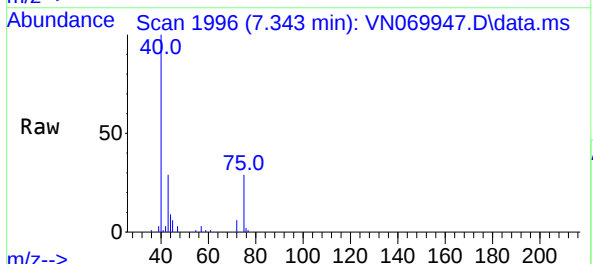
Ion	Ratio	Lower	Upper
84	100		
49	138.9	93.5	140.3
51	42.2	29.4	44.2
86	60.7	53.0	79.4

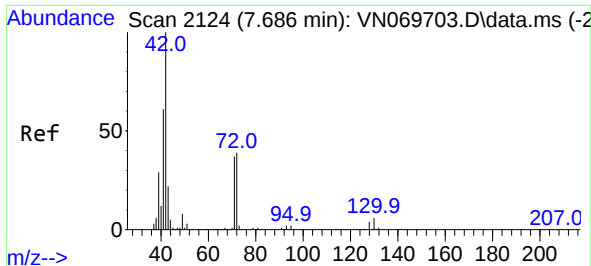


#25
2-Butanone
Concen: 1.195 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.005 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 43 Resp: 16723

Ion	Ratio	Lower	Upper
43	100		
72	21.6	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 7.691 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN069947.D

Acq: 10 Dec 2021 7:10

Instrument :

MSVOA_N

ClientSampleId :

P20-8

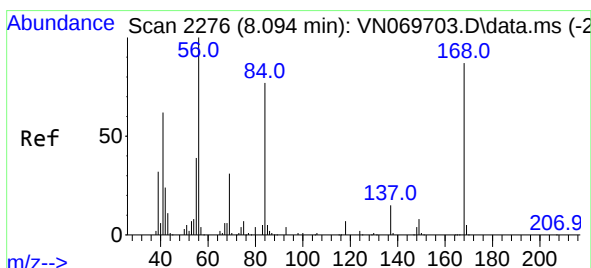
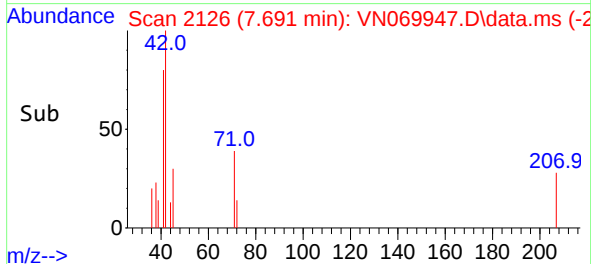
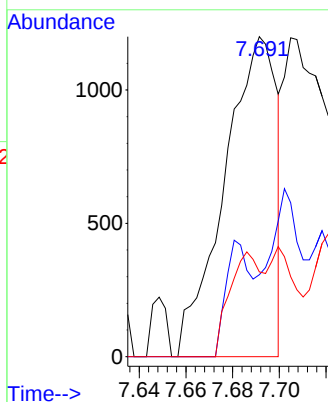
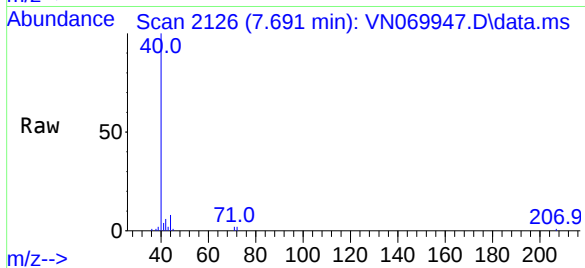
Tgt Ion: 42 Resp: 1851

Ion Ratio Lower Upper

42 100

72 17.0 36.3 54.5#

71 21.2 34.7 52.1#



#31

Cyclohexane

Concen: 1.248 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069947.D

Acq: 10 Dec 2021 7:10

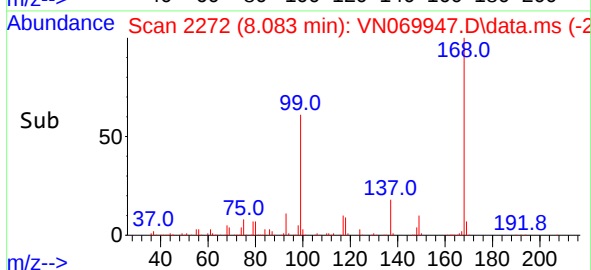
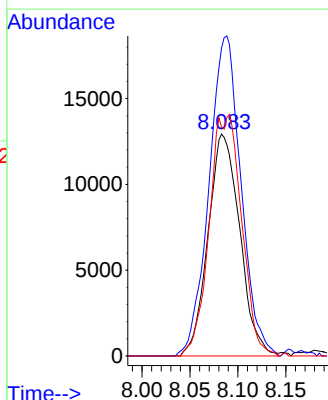
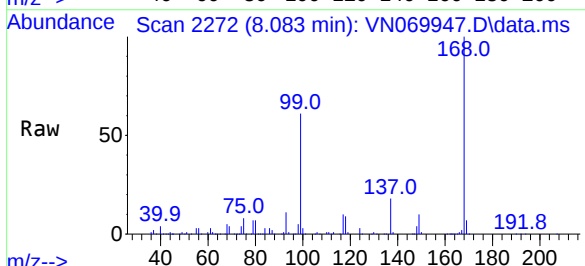
Tgt Ion: 56 Resp: 29739

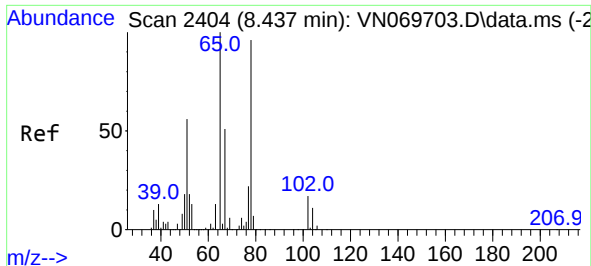
Ion Ratio Lower Upper

56 100

69 138.8 27.1 40.7#

84 103.1 73.4 110.0

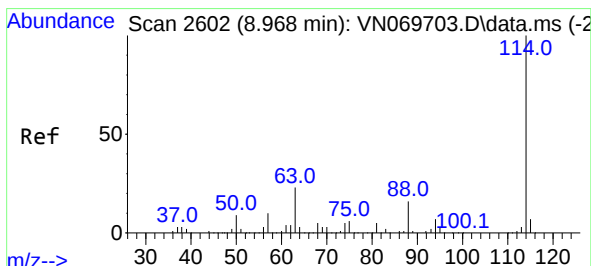
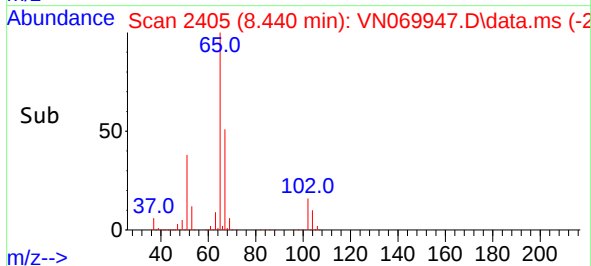
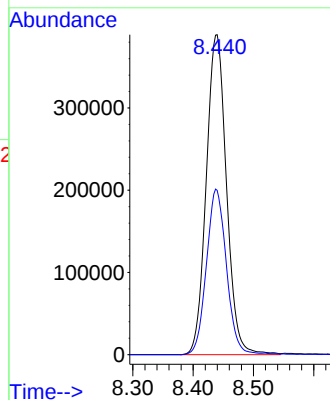
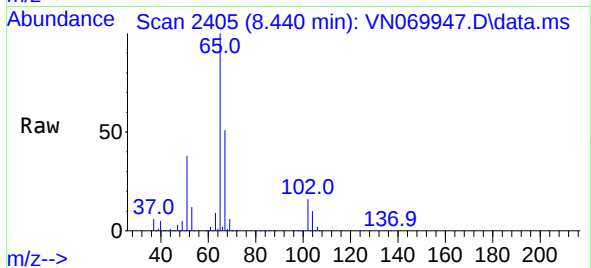




#33
1,2-Dichloroethane-d4
Concen: 53.068 ug/l
RT: 8.440 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

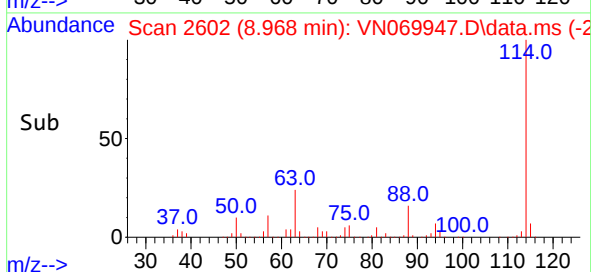
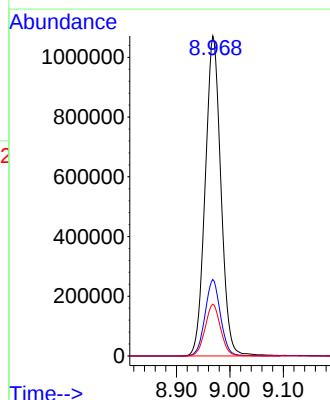
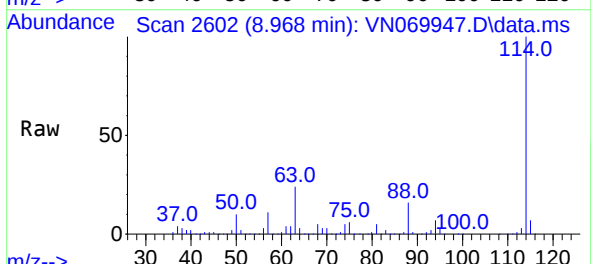
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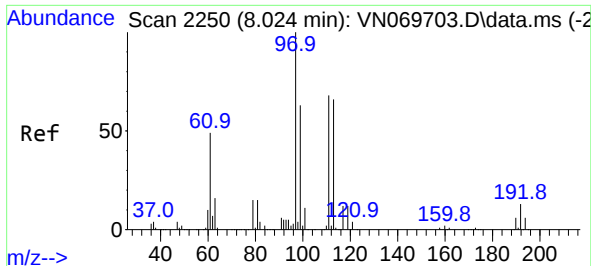
Tgt Ion: 65 Resp: 908501
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 114 Resp: 2178156
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.2 0.0 27.4

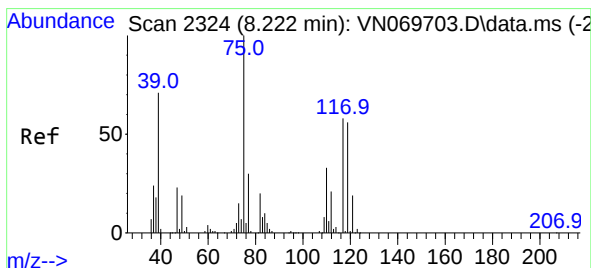
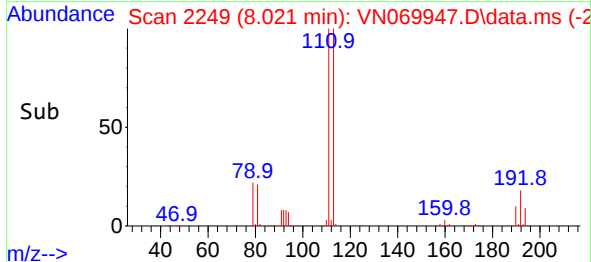
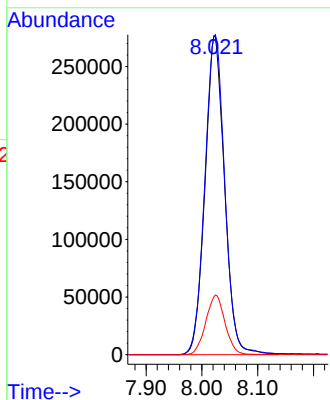
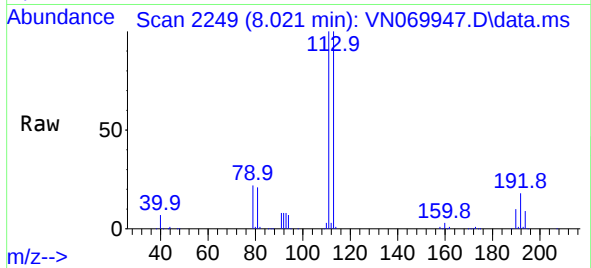




#35
 Dibromofluoromethane
 Concen: 49.079 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VN069947.D
 Acq: 10 Dec 2021 7:10

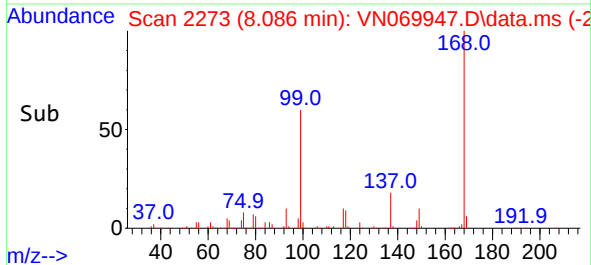
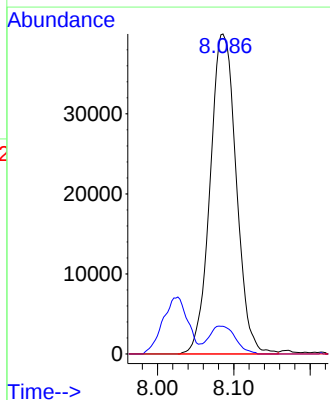
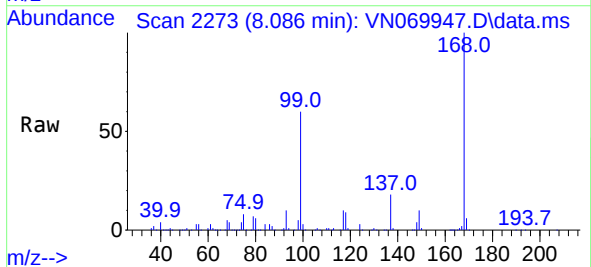
Instrument :
 MSVOA_N
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 P20-8

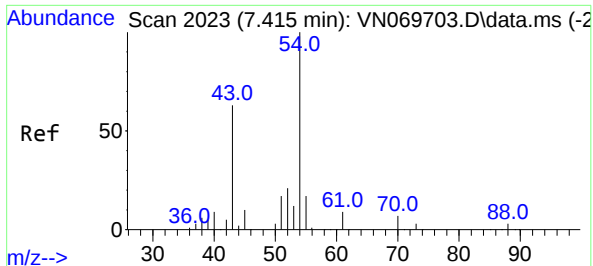
Tgt Ion:113 Resp: 669615
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 18.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.582 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN069947.D
 Acq: 10 Dec 2021 7:10

Tgt Ion: 75 Resp: 95001
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 24.4 36.6#



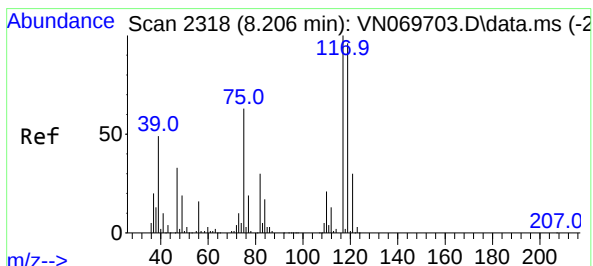
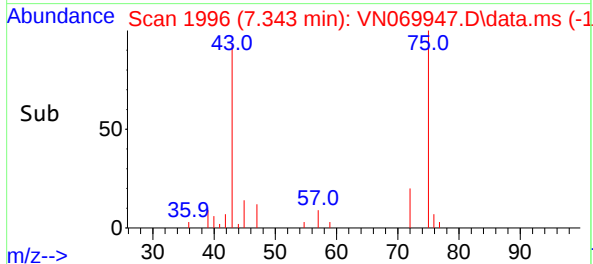
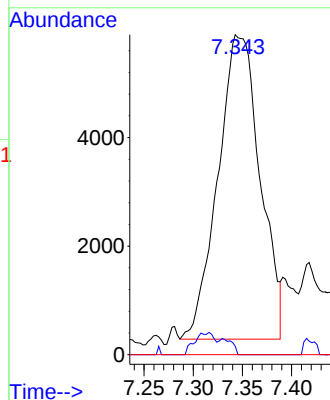
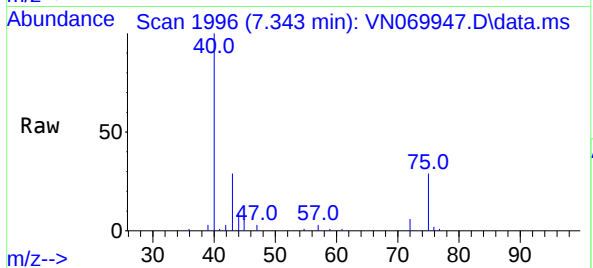


#37
Ethyl Acetate
Concen: 0.542 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.072 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Instrument :
MSVOA_N
ClientSampleId :
P20-8

Tgt Ion: 43 Resp: 16723

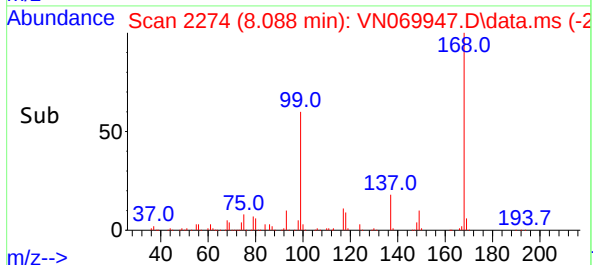
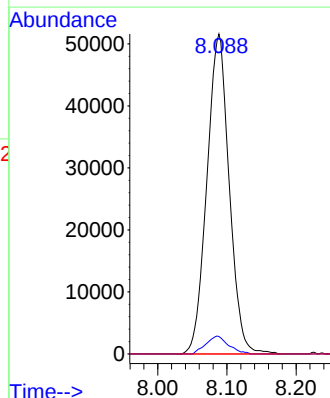
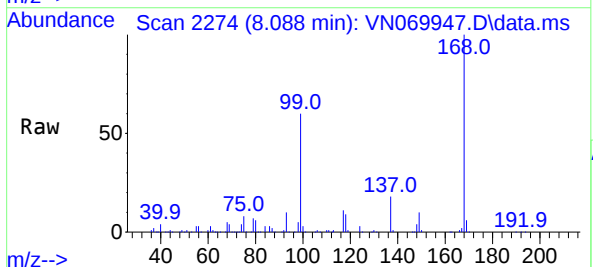
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#

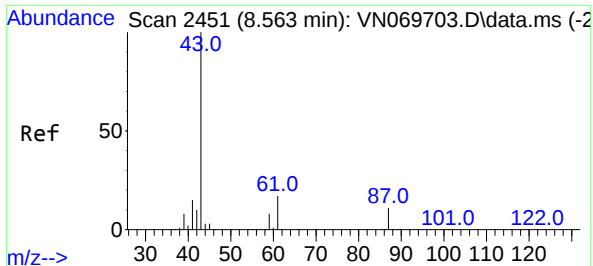


#38
Carbon Tetrachloride
Concen: 5.680 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 117 Resp: 115485

Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.1	114.1#
121	0.0	24.2	36.2#

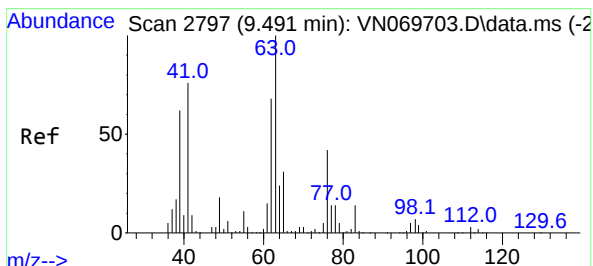
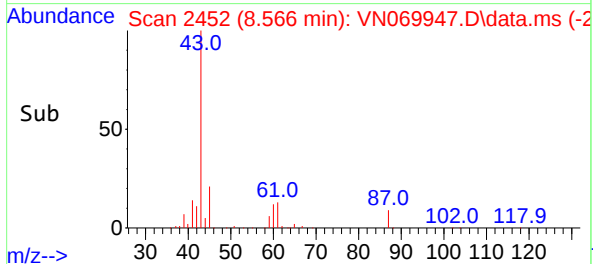
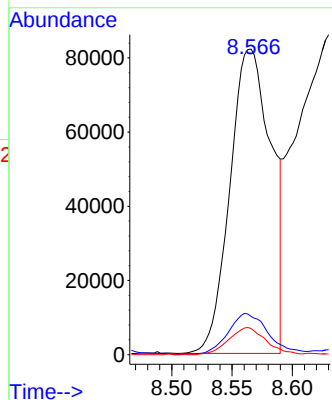
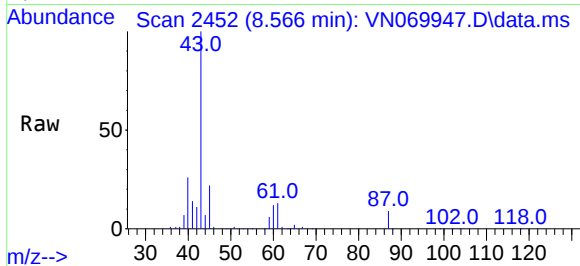




#43
Isopropyl Acetate
Concen: 4.289 ug/l
RT: 8.566 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

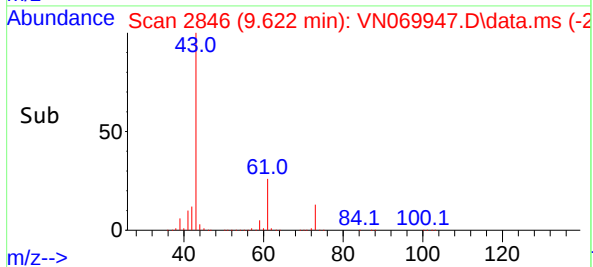
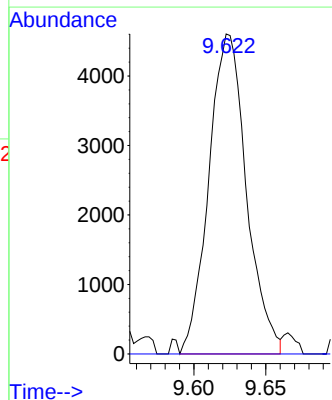
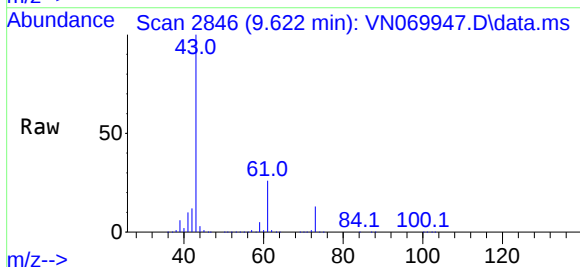
Instrument :
MSVOA_N
ClientSampleId :
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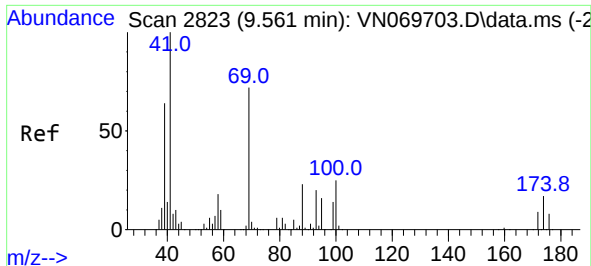
Tgt Ion: 43 Resp: 195864
Ion Ratio Lower Upper
43 100
61 12.8 20.4 30.6#
87 8.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.493 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.132 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 63 Resp: 8395
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

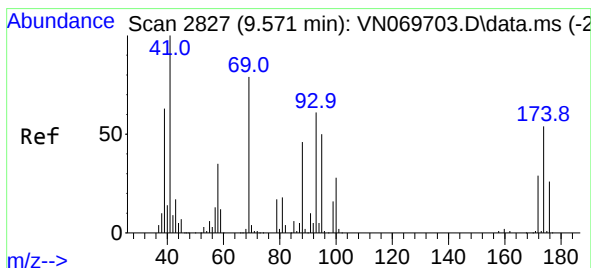
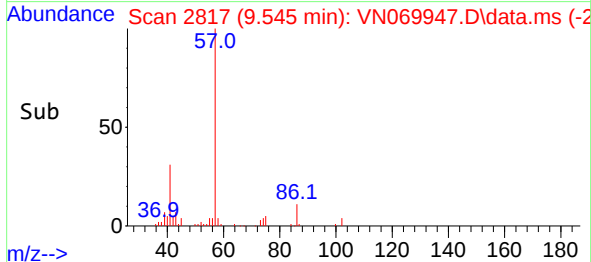
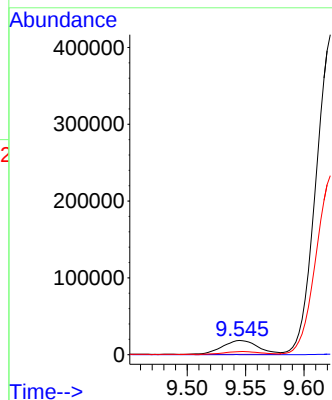
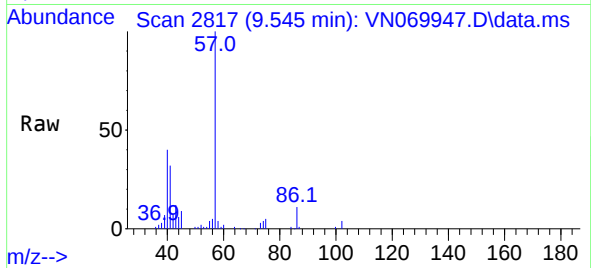




#48
Methyl methacrylate
Concen: 1.802 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

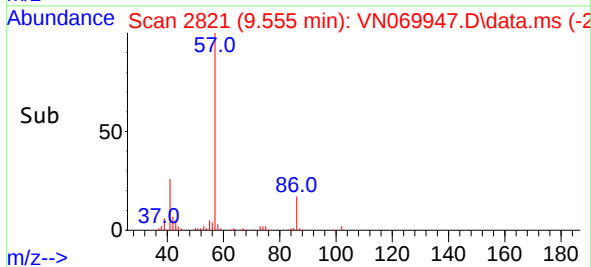
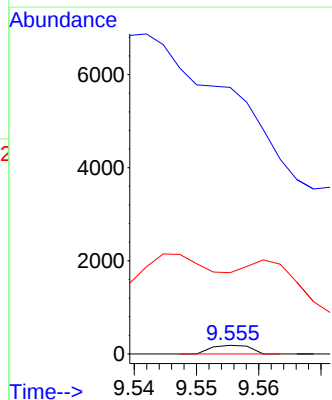
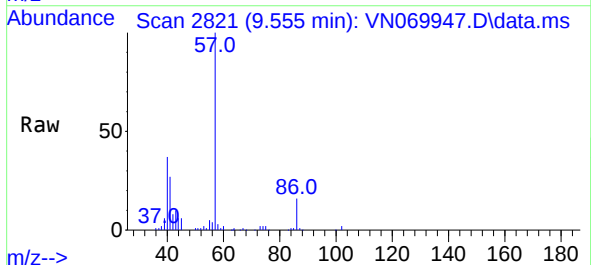
Instrument :
MSVOA_N
ClientSampleId :
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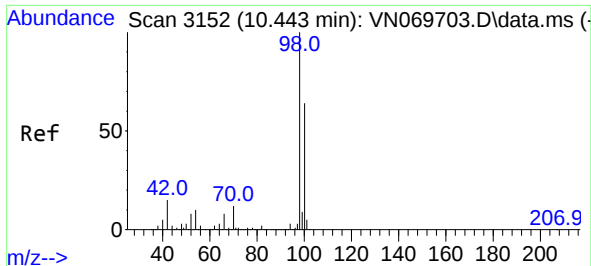
Tgt Ion: 41 Resp: 38411
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.212 ug/l
RT: 9.555 min Scan# 2821
Delta R.T. -0.016 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 4455.6 50.6 75.8#

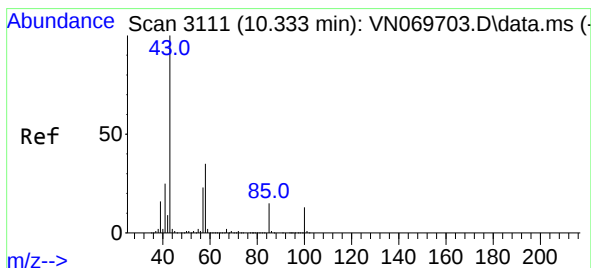
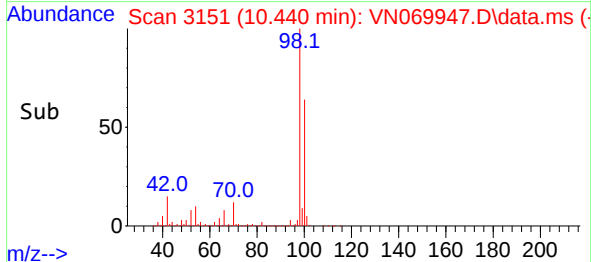
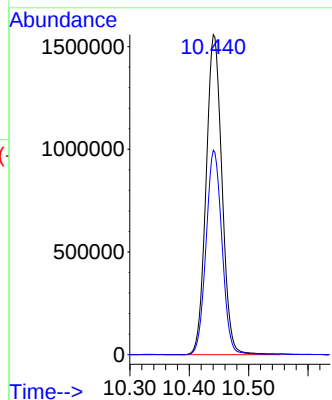
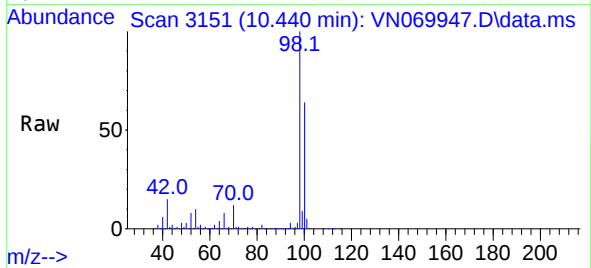




#50
Toluene-d8
Concen: 52.818 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

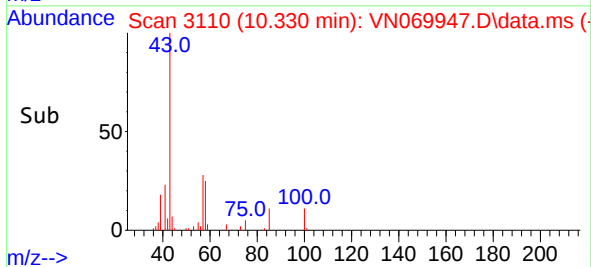
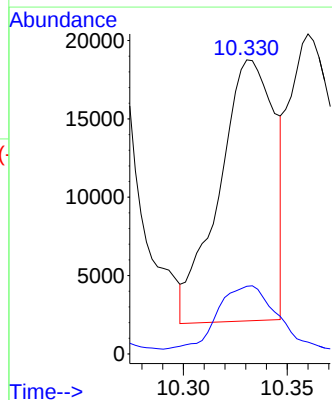
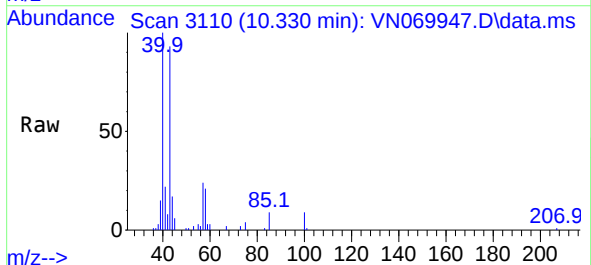
Instrument :
MSVOA_N
ClientSampleId :
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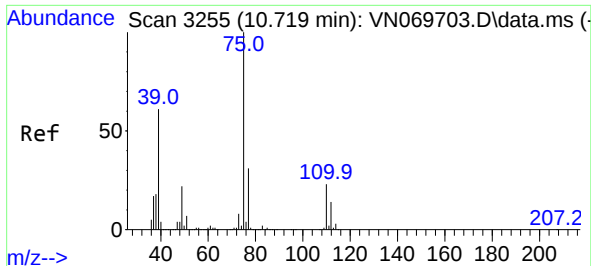
Tgt Ion: 98 Resp: 2893517
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.050 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 43 Resp: 31106
Ion Ratio Lower Upper
43 100
58 30.8 30.4 45.6

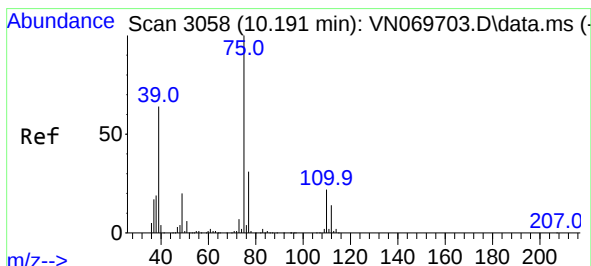
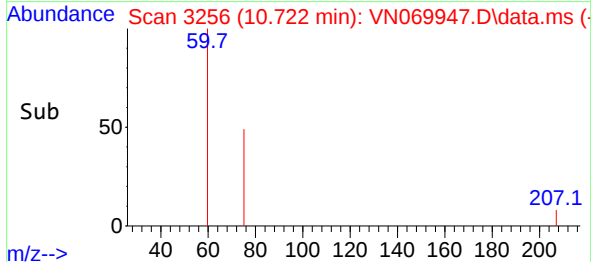
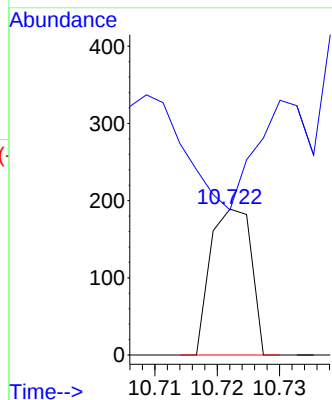
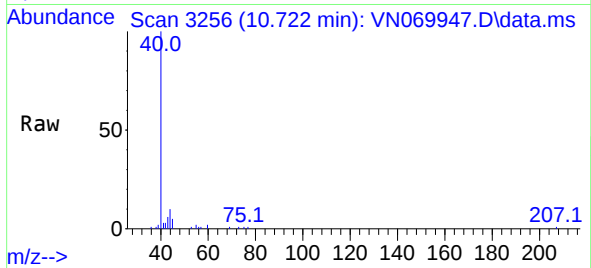




#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

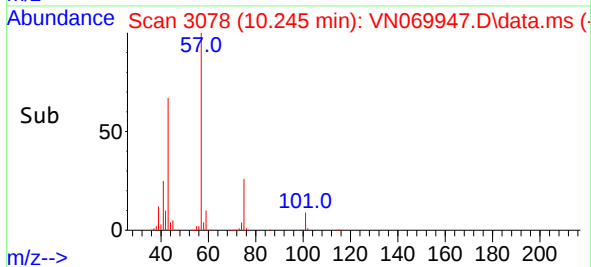
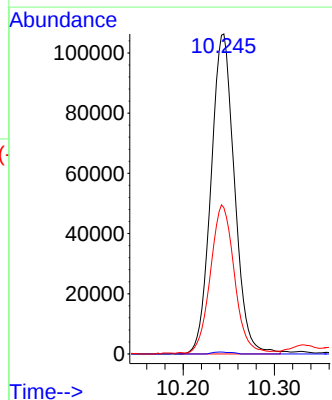
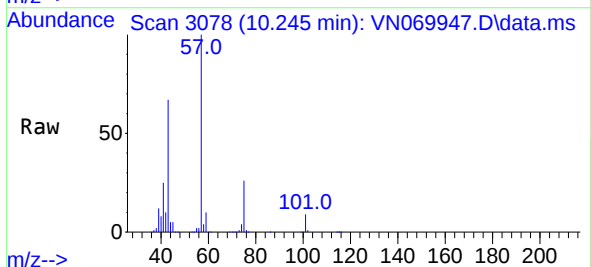
Instrument :
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ClientSampleId :
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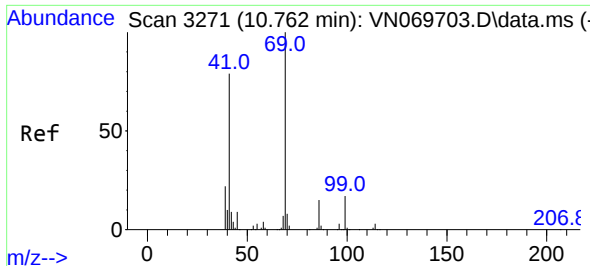
Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.840 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 75 Resp: 190120
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 45.3 42.5 63.7

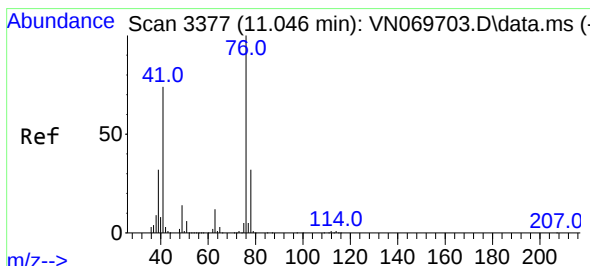
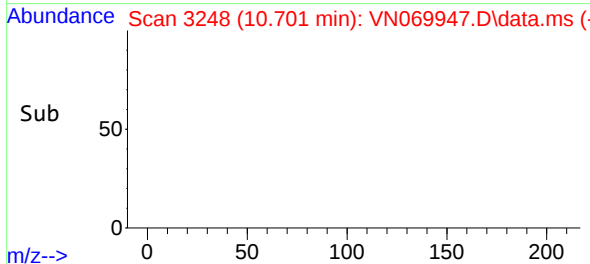
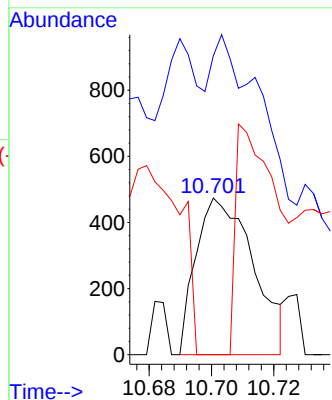
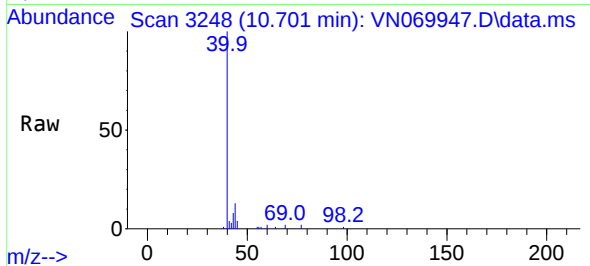




#56
Ethyl methacrylate
Concen: 2.299 ug/l
RT: 10.701 min Scan# 31
Delta R.T. -0.061 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

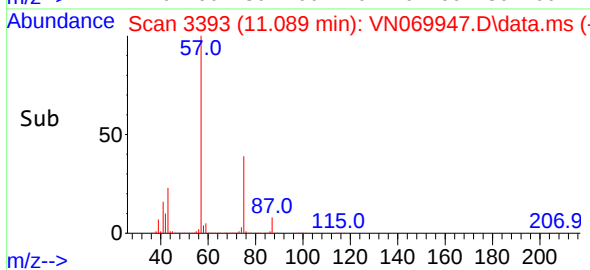
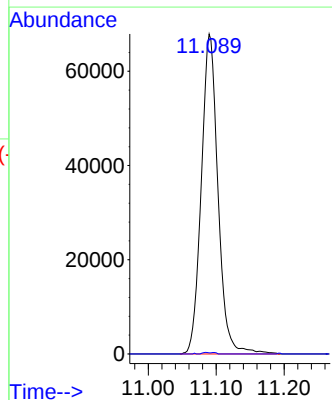
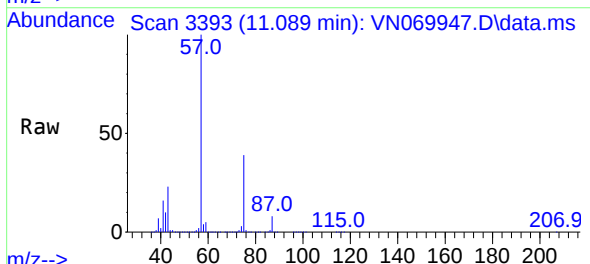
Instrument :
MSVOA_N
ClientSampleId :
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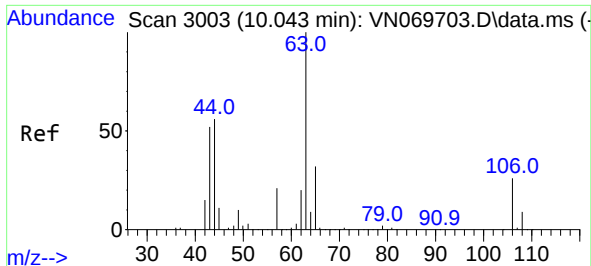
Tgt Ion: 69 Resp: 608
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.212 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 76 Resp: 115776
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

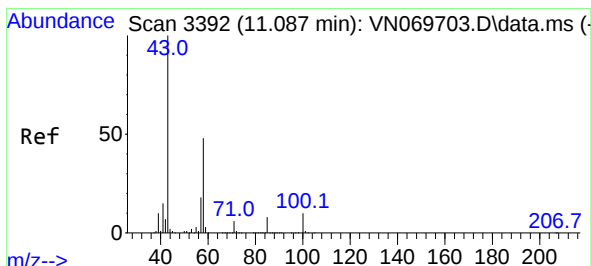
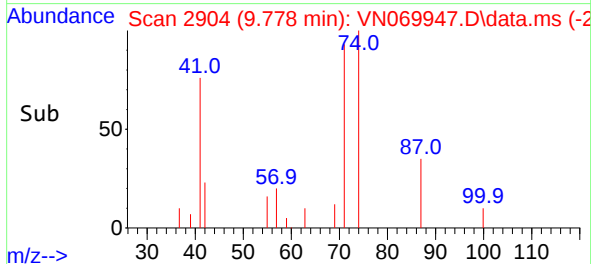
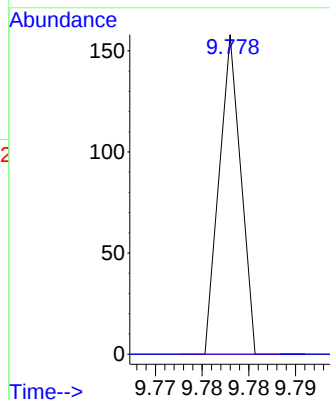
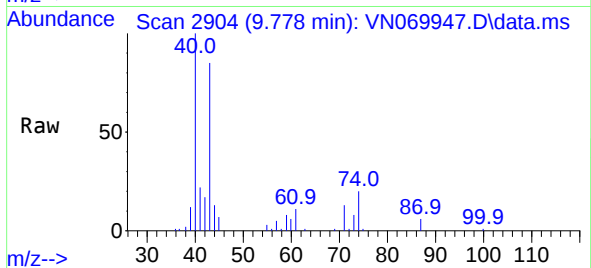




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 9.778 min Scan# 2904
Delta R.T. -0.265 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

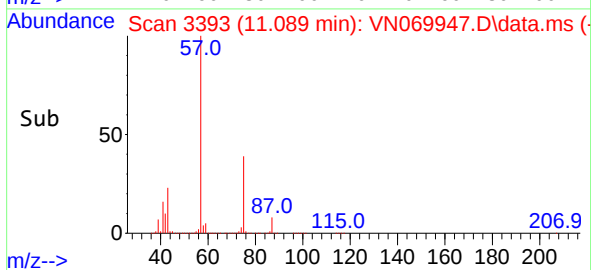
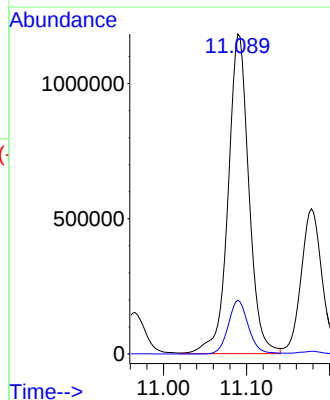
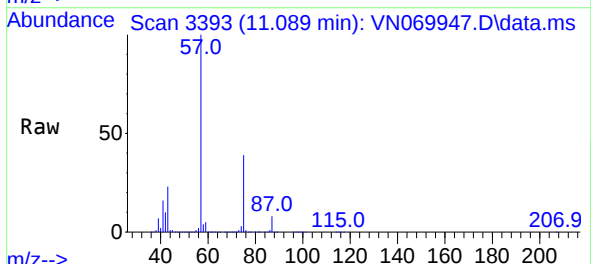
Instrument :
MSVOA_N
ClientSampleId :
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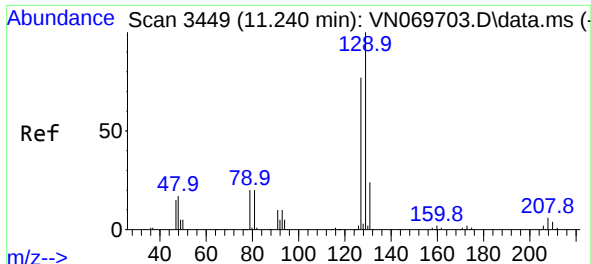
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 91.465 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 43 Resp: 2049956
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#

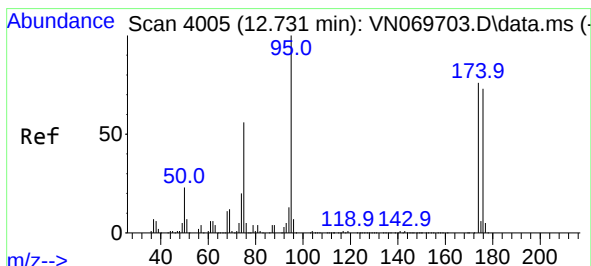
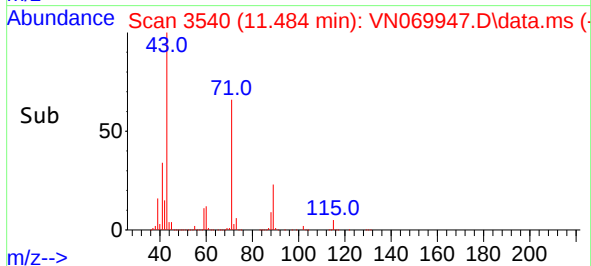
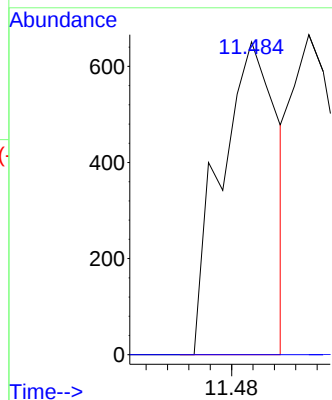
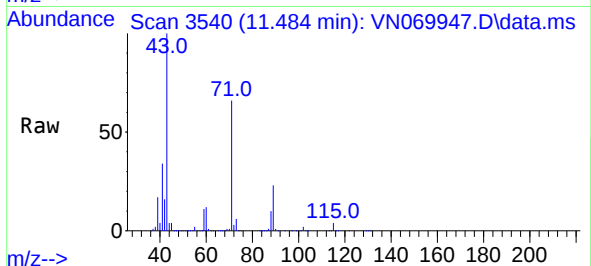




#60
Dibromochloromethane
Concen: 2.403 ug/l
RT: 11.484 min Scan# 311
Delta R.T. 0.244 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

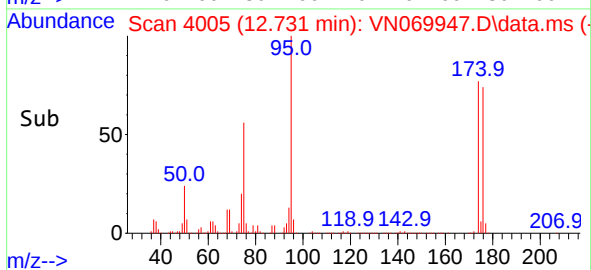
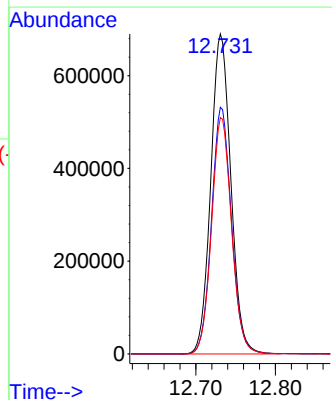
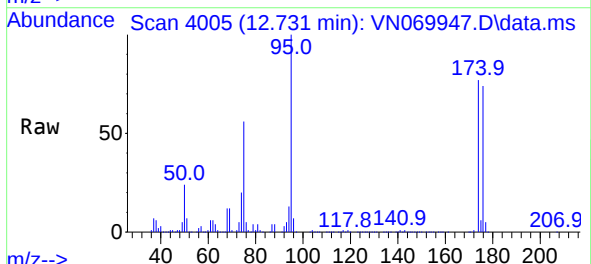
Instrument :
MSVOA_N
ClientSampleId :
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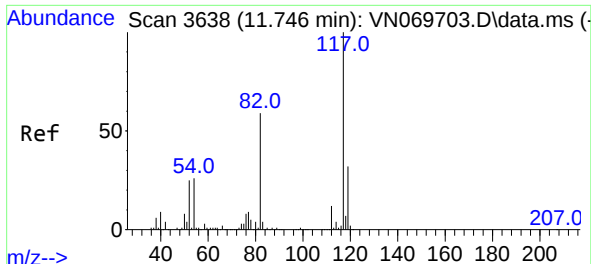
Tgt Ion:129 Resp: 479
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 61.101 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 95 Resp: 1212648
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.6 0.0 181.4

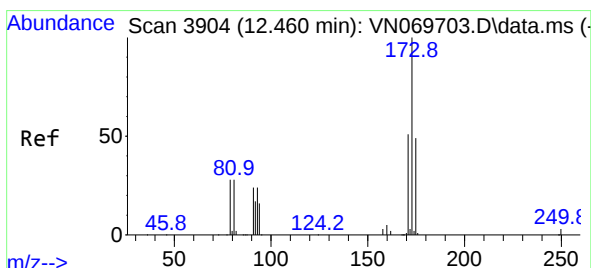
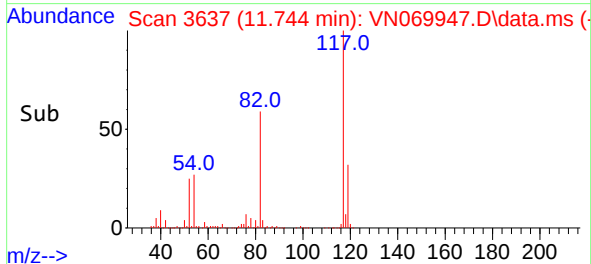
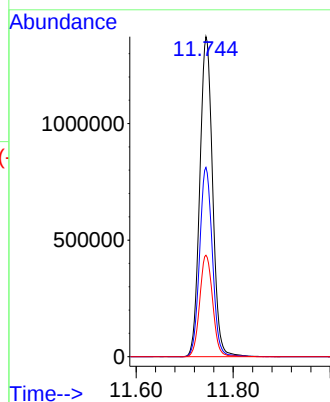
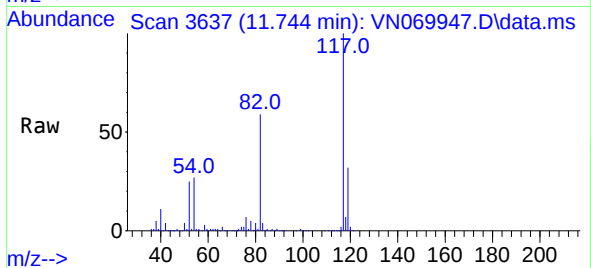




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

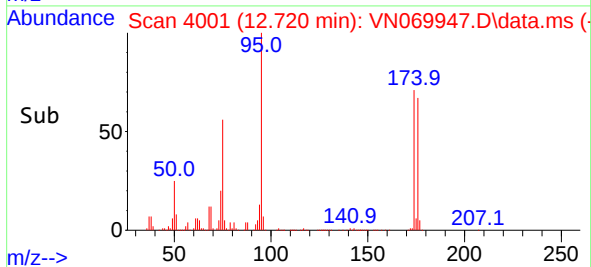
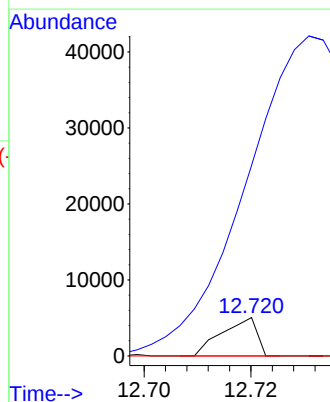
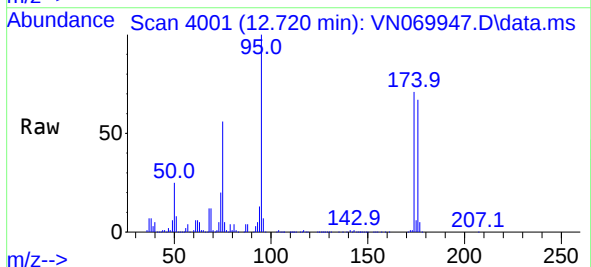
Instrument :
MSVOA_N
ClientSampleId :
P20-8

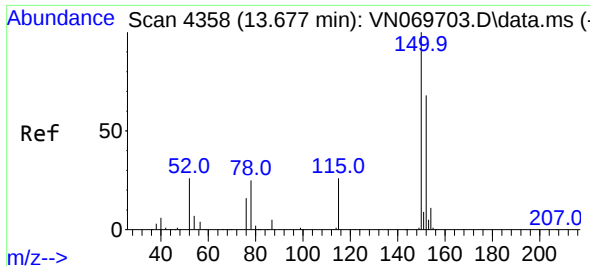
Tgt Ion:117 Resp: 2511160
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 31.7 25.4 38.2



#71
Bromoform
Concen: 2.873 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion:173 Resp: 2301
Ion Ratio Lower Upper
173 100
175 2984.2 24.2 72.6#
254 0.0 0.0 0.0

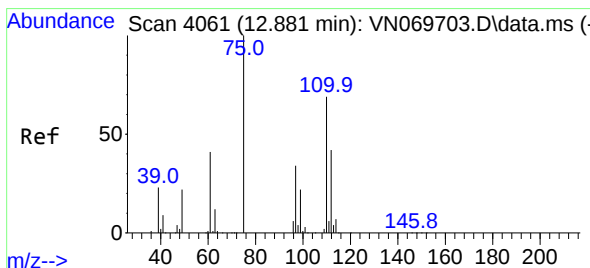
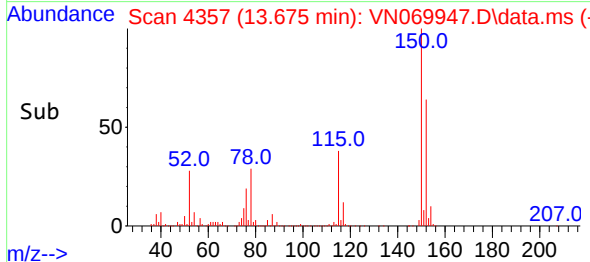
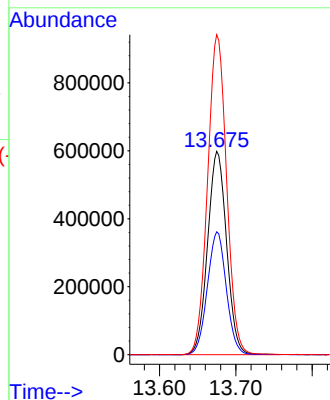
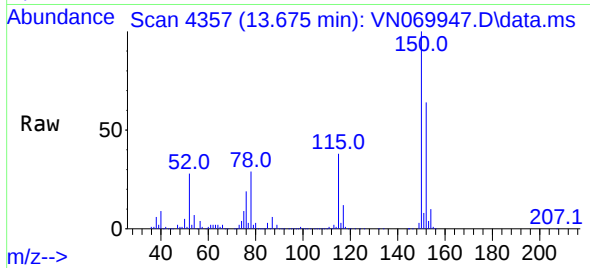




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

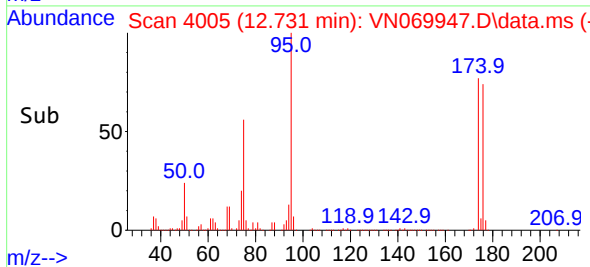
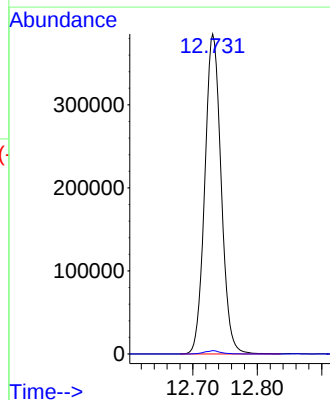
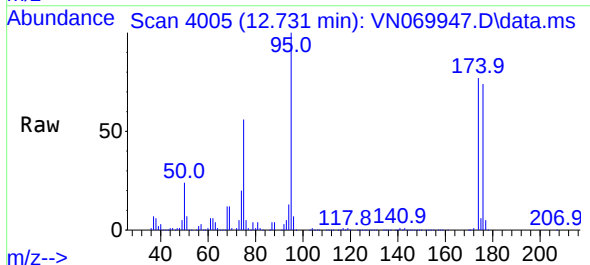
Instrument :
MSVOA_N
ClientSampleId :
P20-8

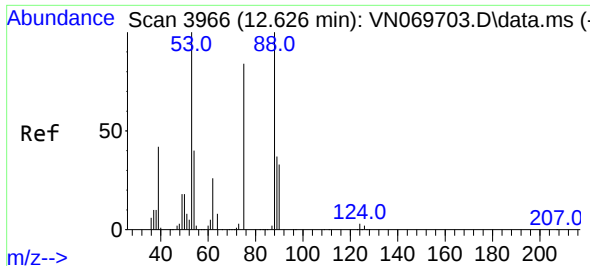
Tgt Ion:152 Resp: 1035725
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.5 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 22.811 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion: 75 Resp: 677545
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

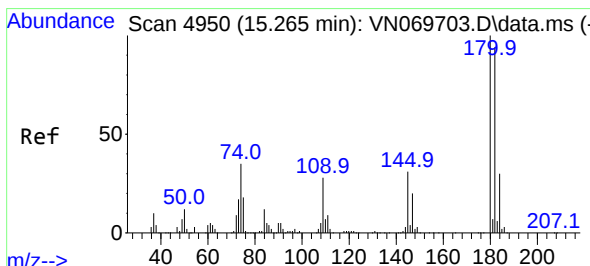
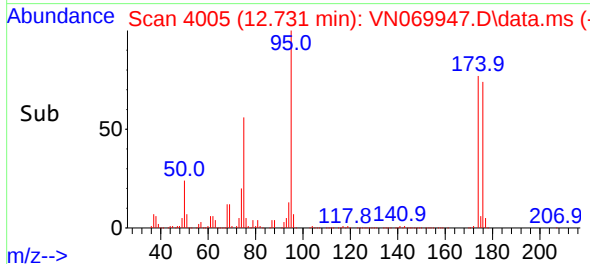
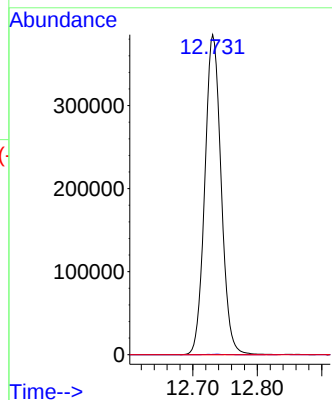
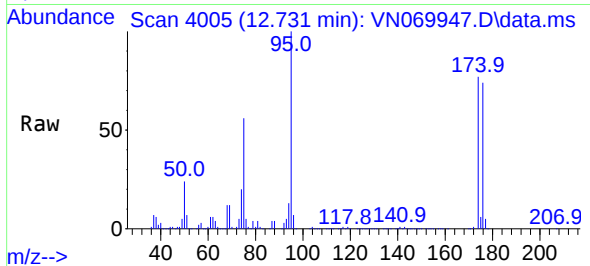




#81
trans-1,4-Dichloro-2-butene
Concen: 72.656 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

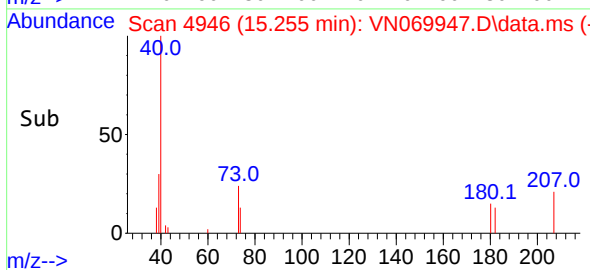
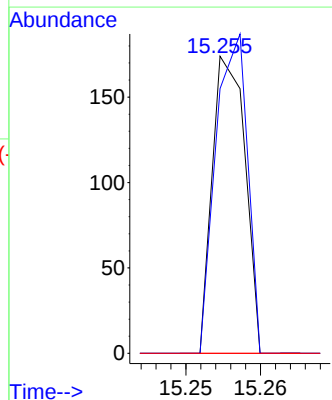
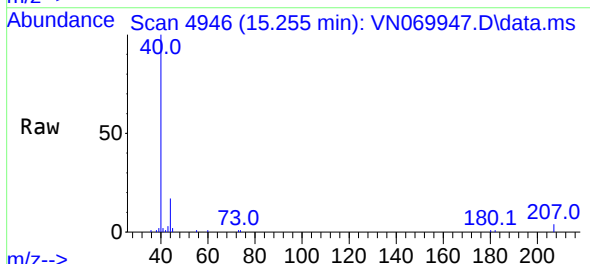
Instrument :
MSVOA_N
ClientSampleId :
P20-8

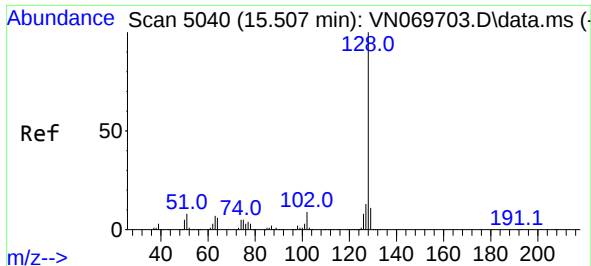
Tgt Ion: 75 Resp: 677545
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.881 ug/l
RT: 15.255 min Scan# 4946
Delta R.T. -0.010 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 103.8 48.3 144.9
145 0.0 14.5 43.5#

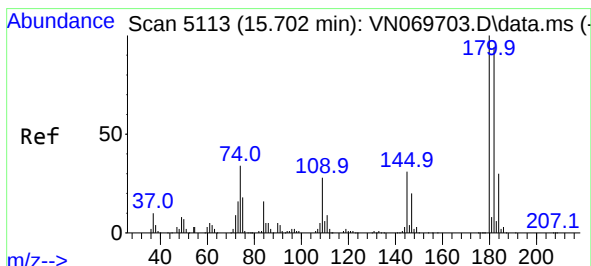
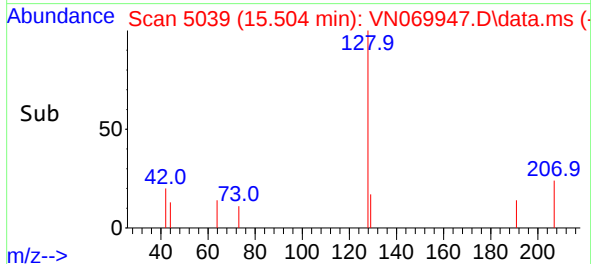
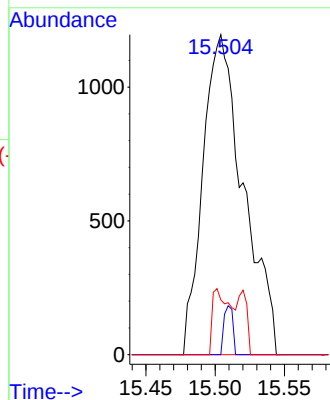
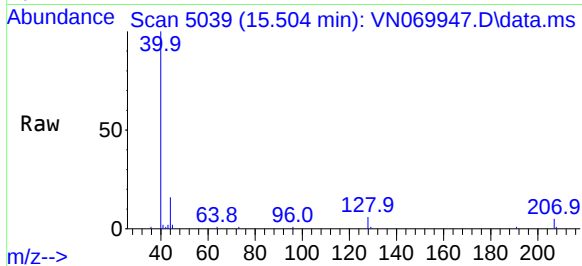




#95
Naphthalene
Concen: 4.029 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Instrument :
MSVOA_N
ClientSampleId :
P20-8

Tgt Ion:128 Resp: 2436
Ion Ratio Lower Upper
128 100
127 3.3 10.5 15.7#
129 9.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.439 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069947.D
Acq: 10 Dec 2021 7:10

Tgt Ion:180 Resp: 52
Ion Ratio Lower Upper
180 100
182 180.8 47.4 142.2#
145 0.0 15.0 45.1#

