

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
 Data File : VN071004.D
 Acq On : 18 Feb 2022 16:38
 Operator : JC\MD
 Sample : N1581-25
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20220215

Quant Time: Feb 19 04:09:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

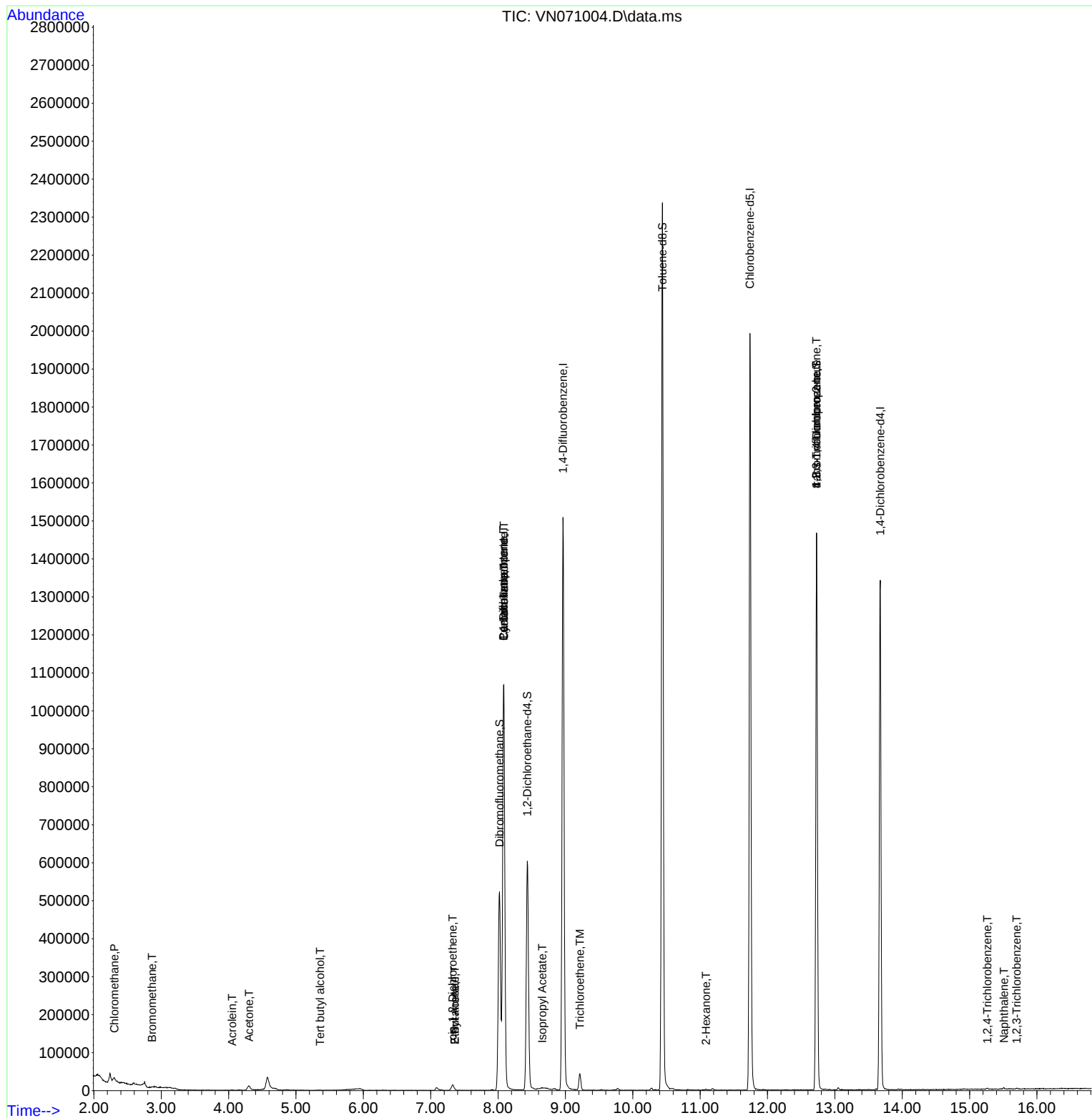
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	859448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1350505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1179017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	384786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	502021	51.135	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.260%
35) Dibromofluoromethane	8.022	113	396683	49.383	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.760%
50) Toluene-d8	10.439	98	1620042	50.220	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.727	95	511257	44.338	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.680%
Target Compounds						Qvalue
3) Chloromethane	2.305	50	2534	0.226	ug/l	94
5) Bromomethane	2.863	94	1403	0.220	ug/l #	62
11) Tert butyl alcohol	5.357	59	378	0.211	ug/l #	71
13) Acrolein	4.051	56	1110	0.694	ug/l #	53
16) Acetone	4.304	43	17758	3.284	ug/l	97
18) Methyl Acetate	4.857	43	3148	Below Cal	#	66
25) 2-Butanone	7.357	43	3436	0.478	ug/l #	86
27) cis-1,2-Dichloroethene	7.328	96	7984	0.769	ug/l	97
31) Cyclohexane	8.086	56	16757	0.987	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	63040	4.790	ug/l #	49
37) Ethyl Acetate	7.357	43	3436	0.243	ug/l #	68
38) Carbon Tetrachloride	8.086	117	81856	6.313	ug/l #	16
43) Isopropyl Acetate	8.657	43	8644	0.389	ug/l #	55
44) Trichloroethene	9.216	130	15626	1.524	ug/l	84
59) 2-Hexanone	11.086	43	2604	0.280	ug/l	72
76) 1,2,3-Trichloropropane	12.727	75	255434	28.194	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	255434	91.362	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	987	2.133	ug/l	74
95) Naphthalene	15.510	128	3434	5.169	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.698	180	1000	2.661	ug/l	96

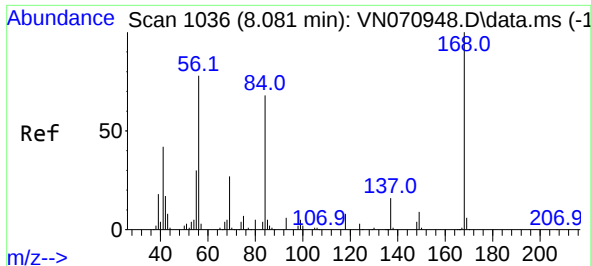
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 16 07:52:42 2022
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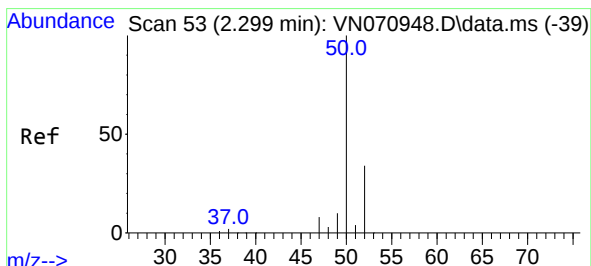
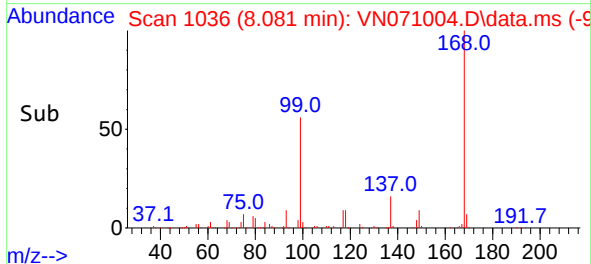
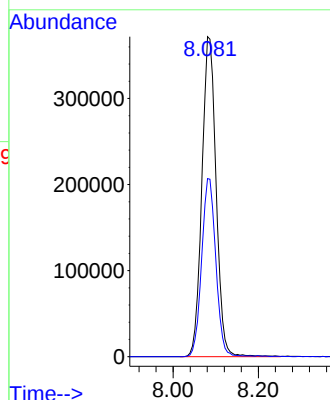
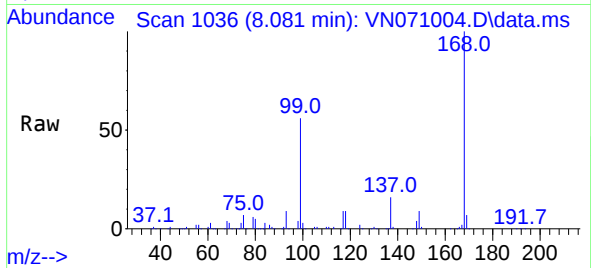




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

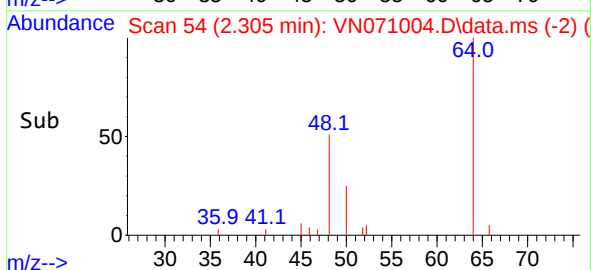
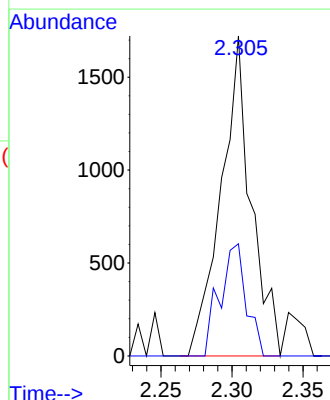
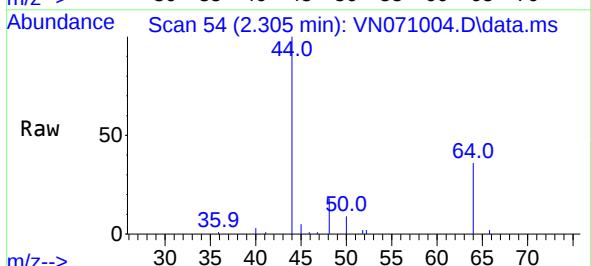
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ClientSampleId :
DUP02-20220215

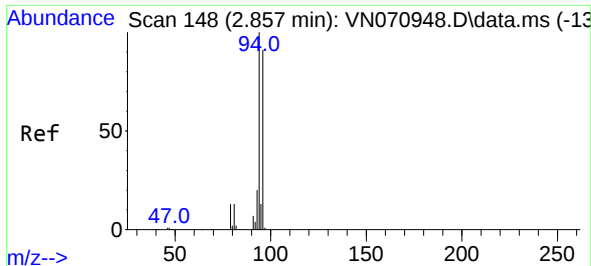
Tgt Ion:168 Resp: 859448
Ion Ratio Lower Upper
168 100
99 55.7 41.3 61.9



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 50 Resp: 2534
Ion Ratio Lower Upper
50 100
52 35.0 25.4 38.0

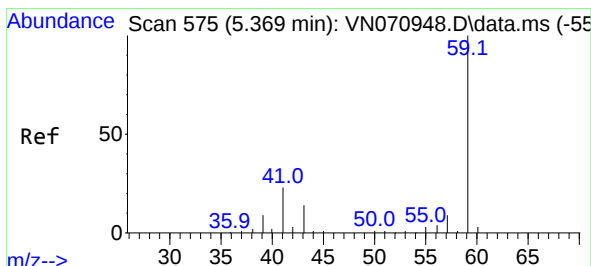
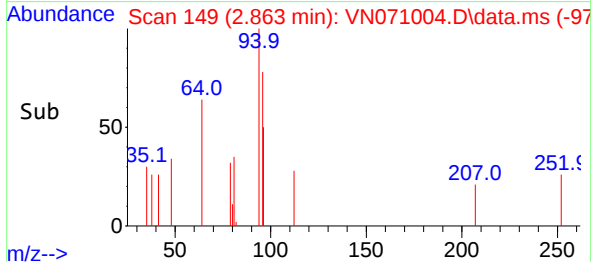
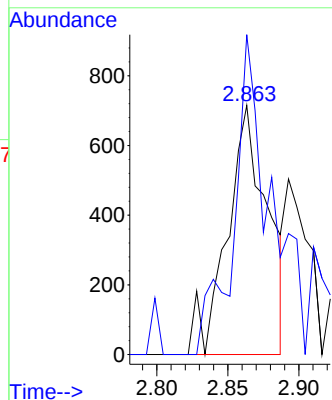
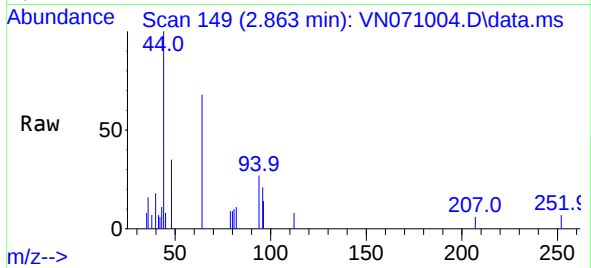




#5
Bromomethane
Concen: 0.220 ug/l
RT: 2.863 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

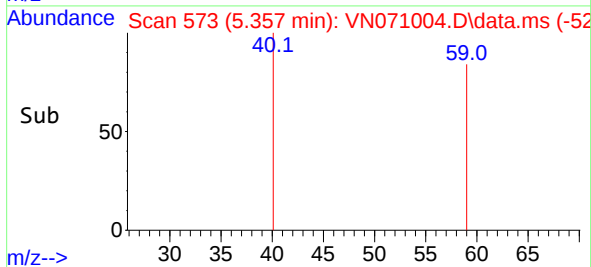
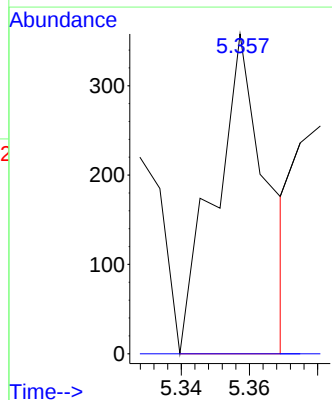
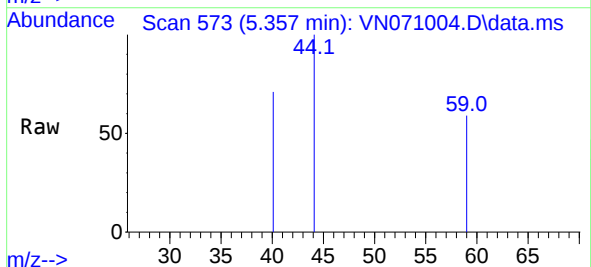
Instrument :
MSVOA_N
ClientSampleId :
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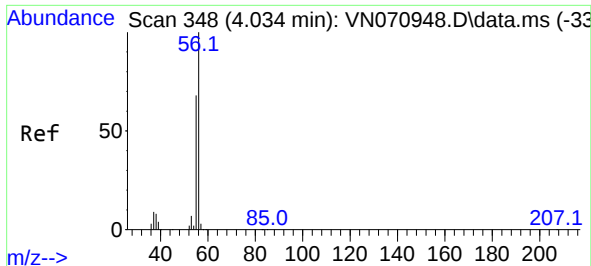
Tgt Ion: 94 Resp: 1403
Ion Ratio Lower Upper
94 100
96 128.4 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.211 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.012 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

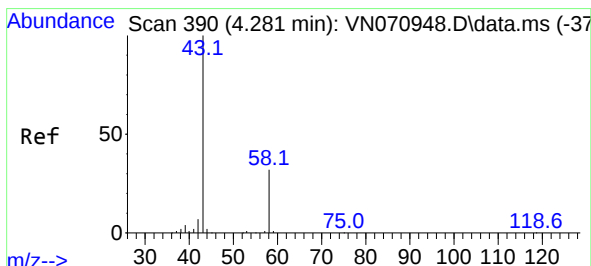
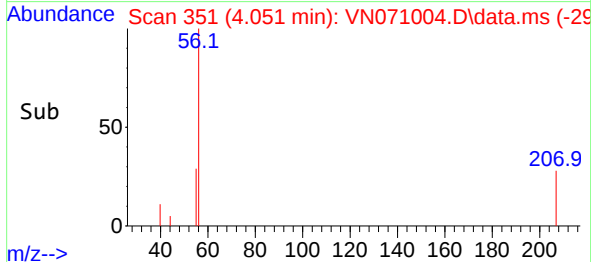
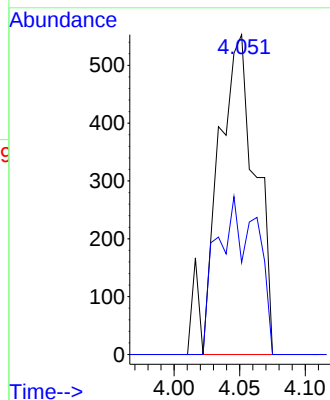
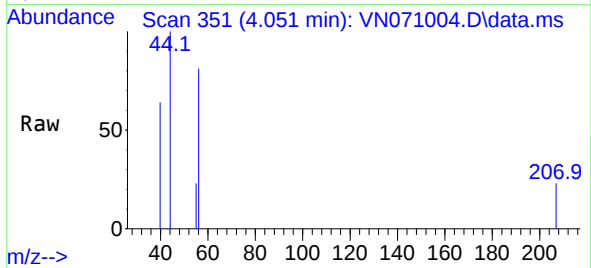




#13
Acrolein
Concen: 0.694 ug/l
RT: 4.051 min Scan# 311
Delta R.T. 0.017 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

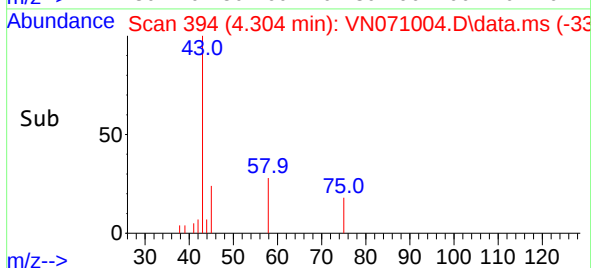
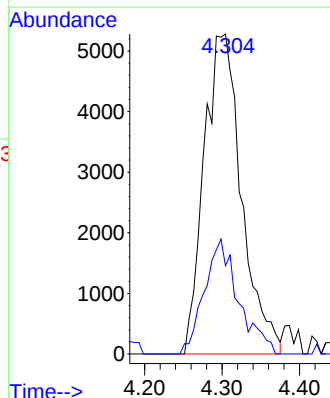
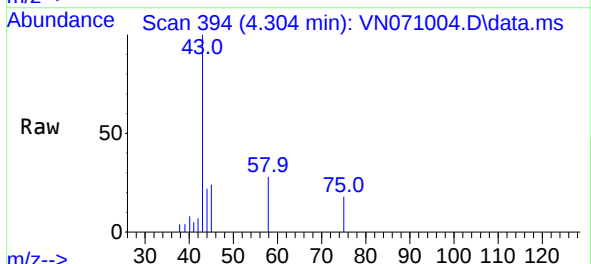
Instrument :
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ClientSampleId :
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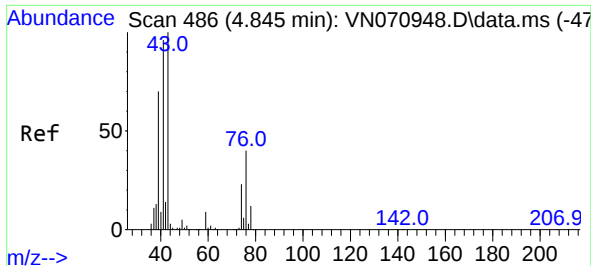
Tgt Ion: 56 Resp: 1110
Ion Ratio Lower Upper
56 100
55 31.9 56.6 85.0#



#16
Acetone
Concen: 3.284 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.024 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 43 Resp: 17758
Ion Ratio Lower Upper
43 100
58 27.5 23.1 34.7

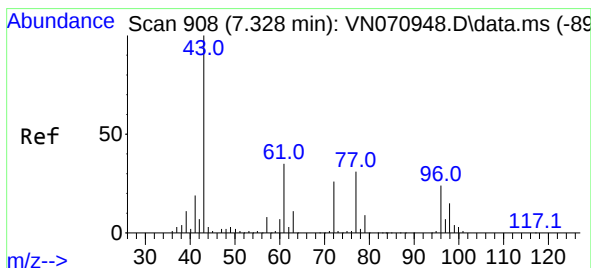
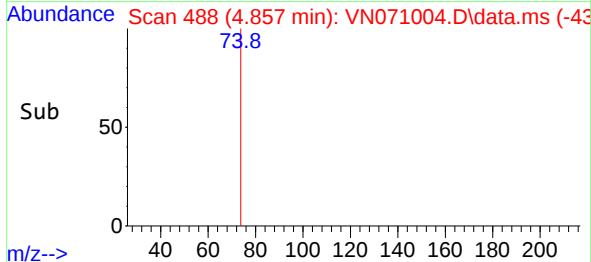
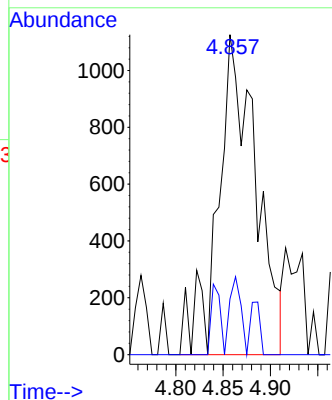
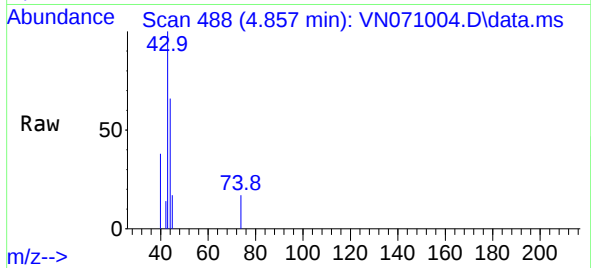




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

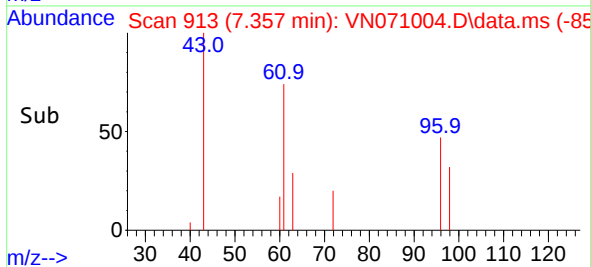
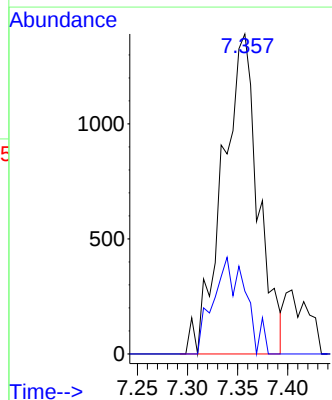
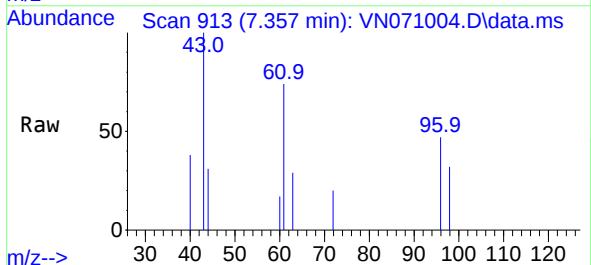
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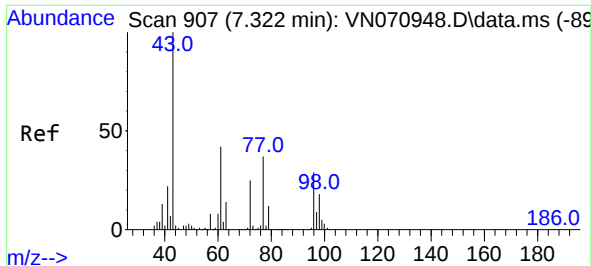
Tgt Ion: 43 Resp: 3148
Ion Ratio Lower Upper
43 100
74 7.2 19.4 29.2#



#25
2-Butanone
Concen: 0.478 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.029 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 43 Resp: 3436
Ion Ratio Lower Upper
43 100
72 19.6 21.7 32.5#

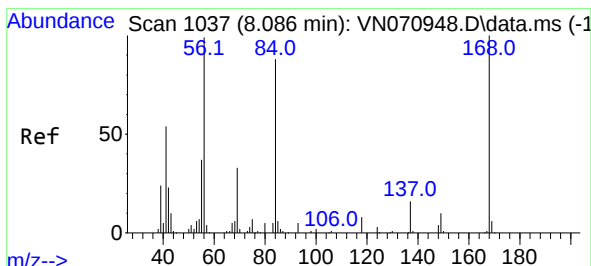
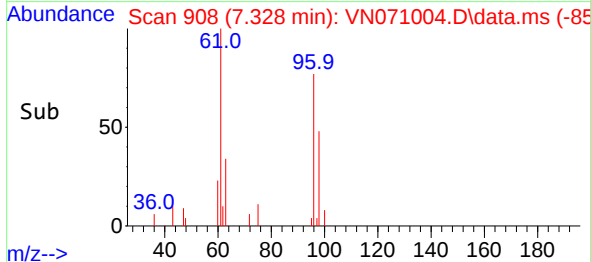
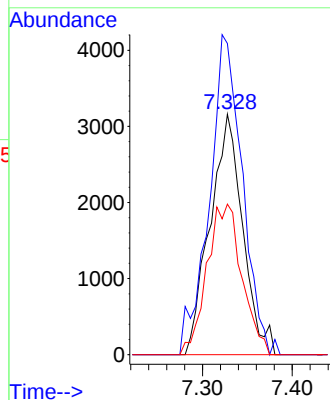
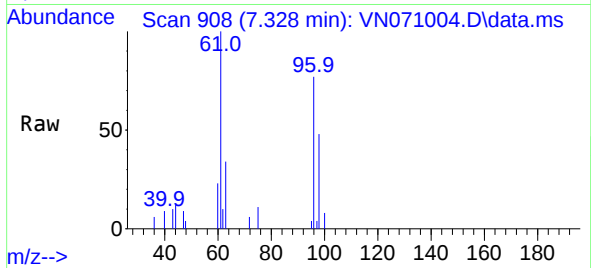




#27
 cis-1,2-Dichloroethene
 Concen: 0.769 ug/l
 RT: 7.328 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VN071004.D
 Acq: 18 Feb 2022 16:38

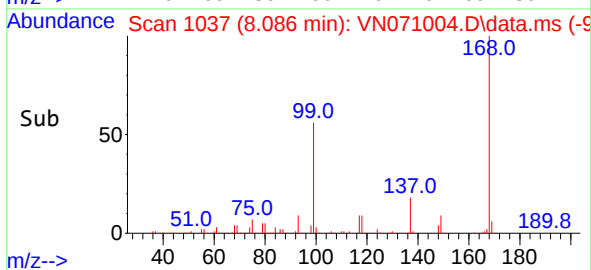
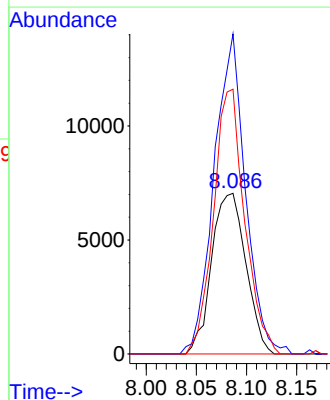
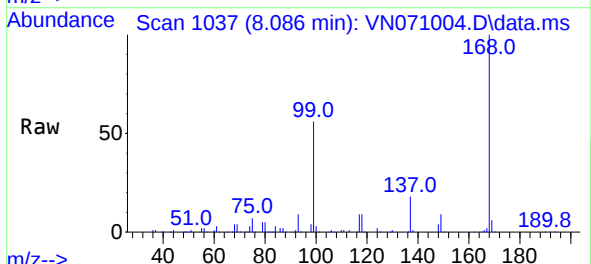
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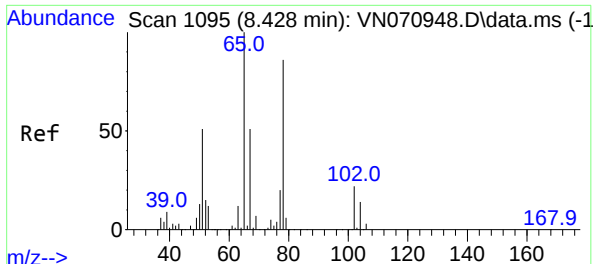
Tgt Ion: 96 Resp: 7984
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 275.0
 98 67.0 0.0 129.6



#31
 Cyclohexane
 Concen: 0.987 ug/l
 RT: 8.086 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VN071004.D
 Acq: 18 Feb 2022 16:38

Tgt Ion: 56 Resp: 16757
 Ion Ratio Lower Upper
 56 100
 69 199.2 27.1 40.7#
 84 164.8 73.4 110.0#

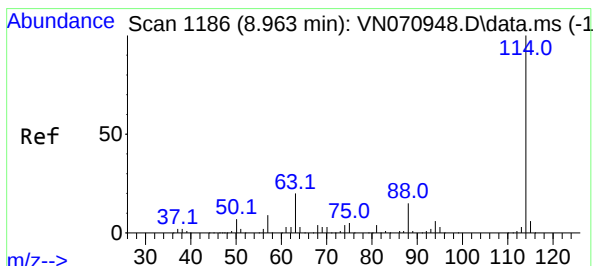
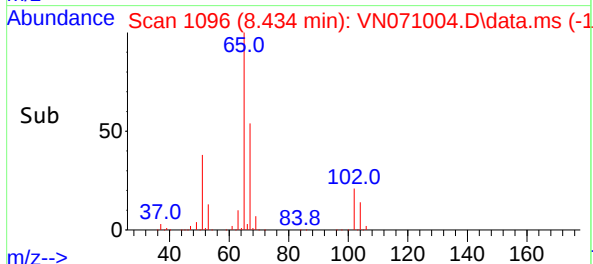
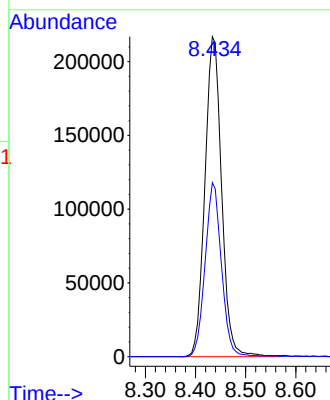
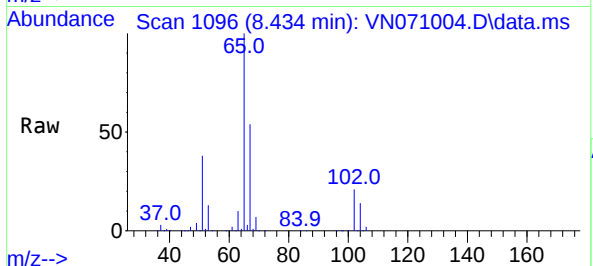




#33
1,2-Dichloroethane-d4
Concen: 51.135 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

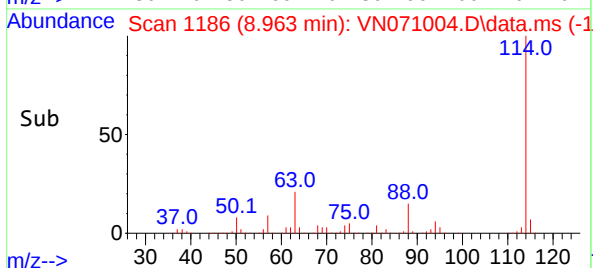
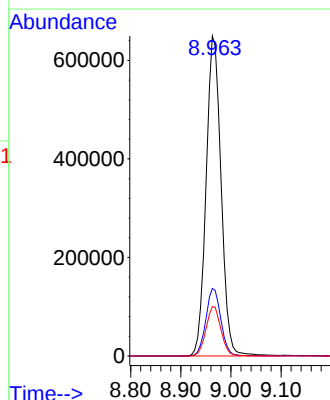
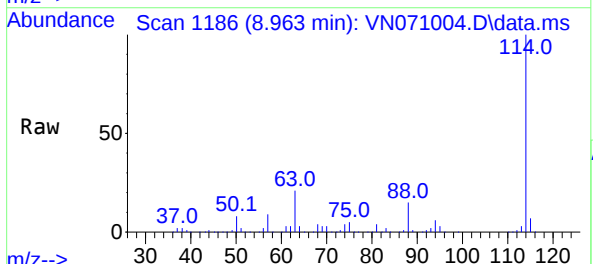
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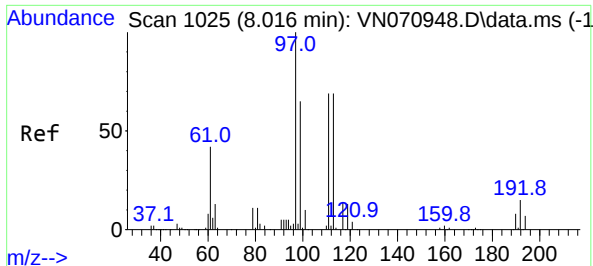
Tgt Ion: 65 Resp: 502021
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 114 Resp: 1350505
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.8
88 15.4 0.0 27.4

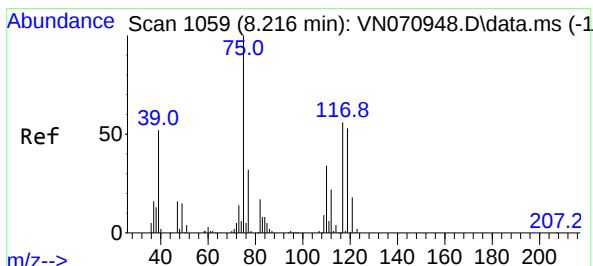
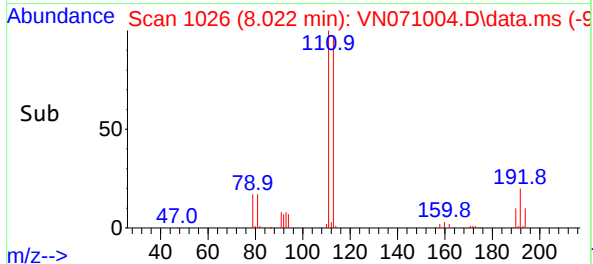
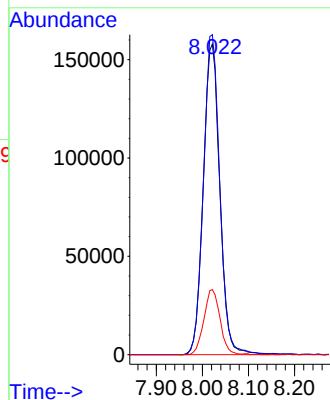
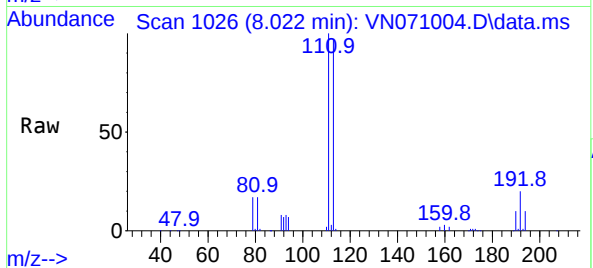




#35
Dibromofluoromethane
Concen: 49.383 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

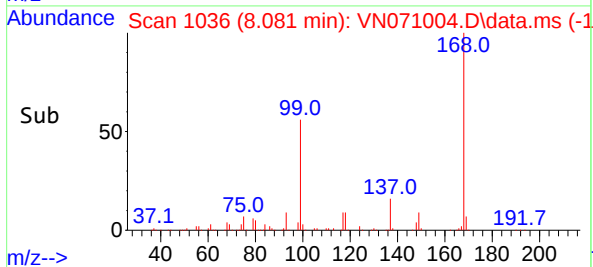
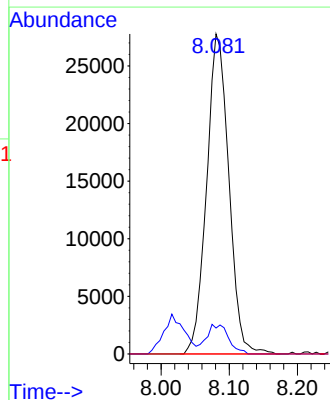
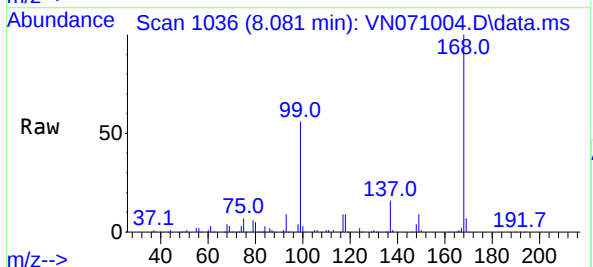
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ClientSampleId :
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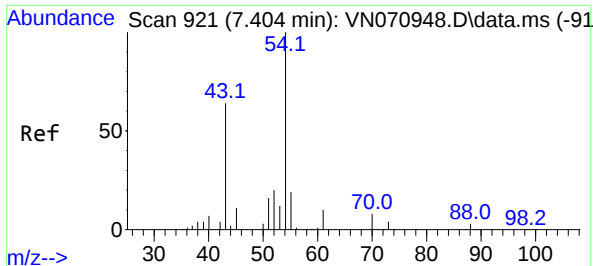
Tgt Ion:113 Resp: 396683
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 75 Resp: 63040
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#

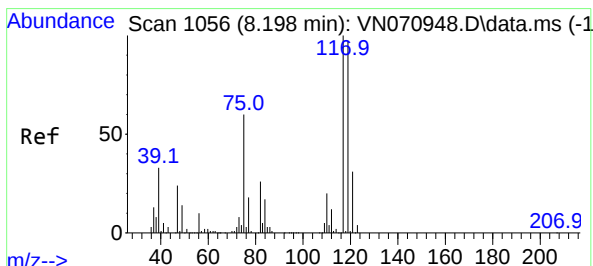
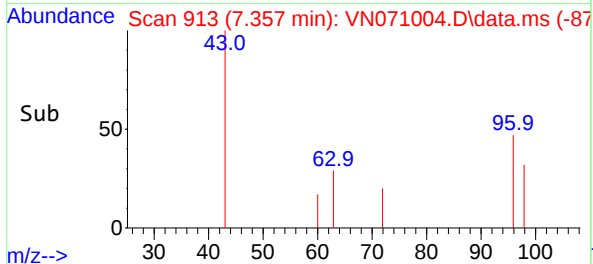
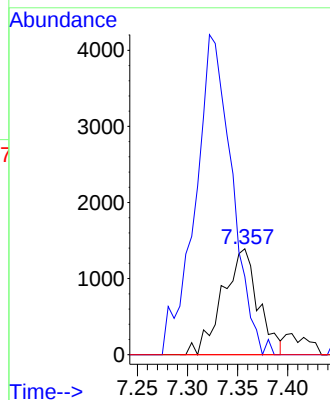
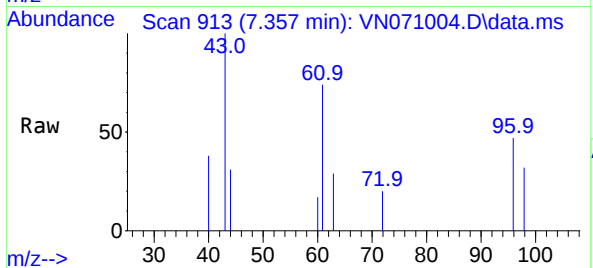




#37
Ethyl Acetate
Concen: 0.243 ug/l
RT: 7.357 min Scan# 91
Delta R.T. -0.047 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

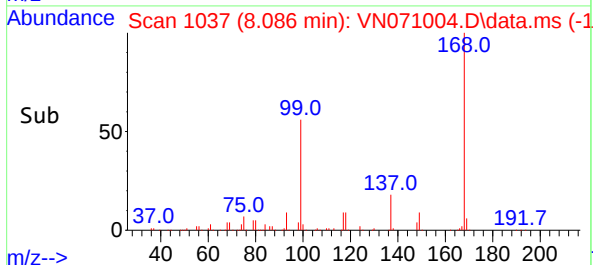
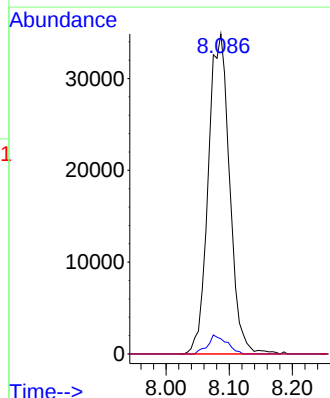
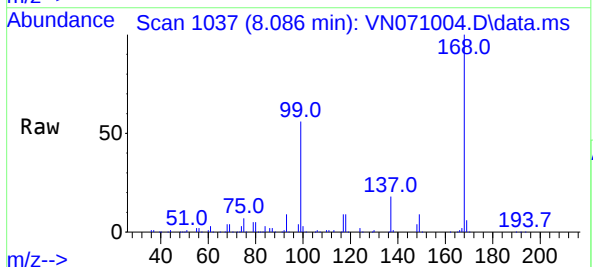
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220215

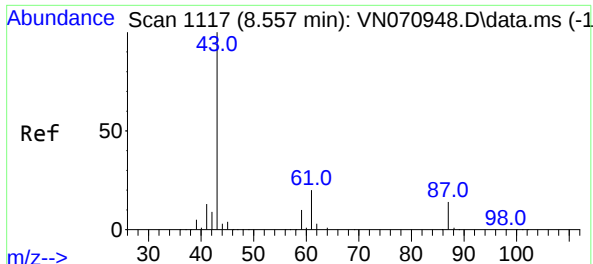
Tgt Ion: 43 Resp: 3436
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.313 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.112 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 117 Resp: 81856
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#

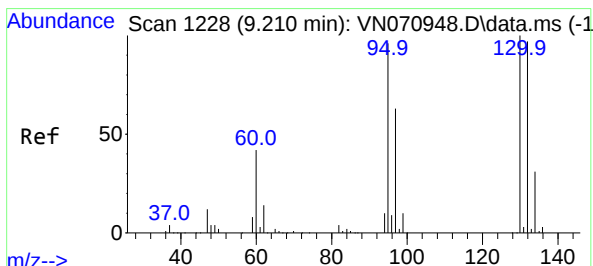
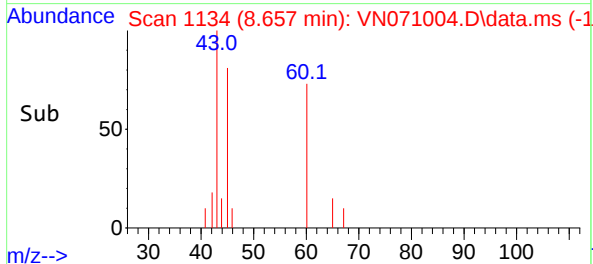
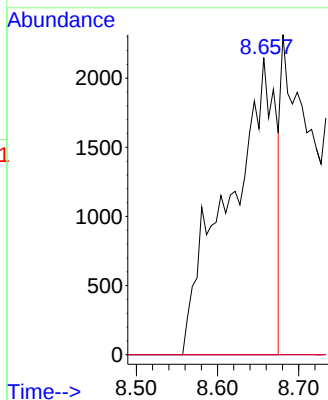
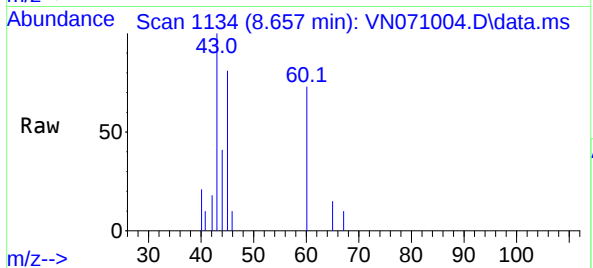




#43
Isopropyl Acetate
Concen: 0.389 ug/l
RT: 8.657 min Scan# 1117
Delta R.T. 0.100 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

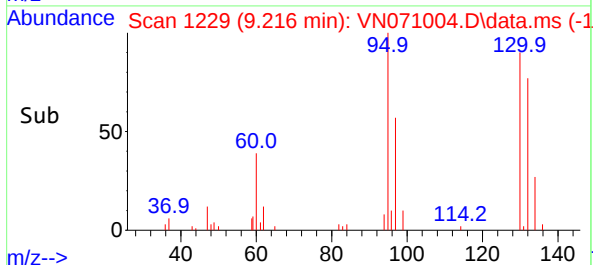
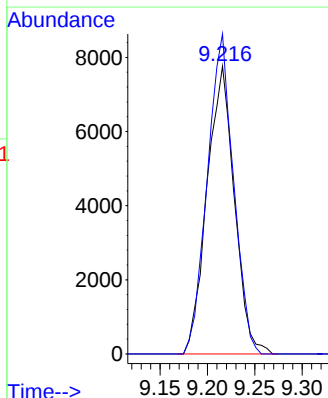
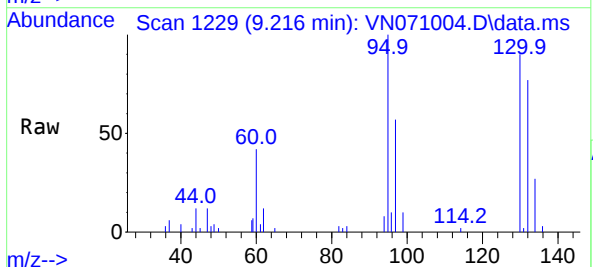
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220215

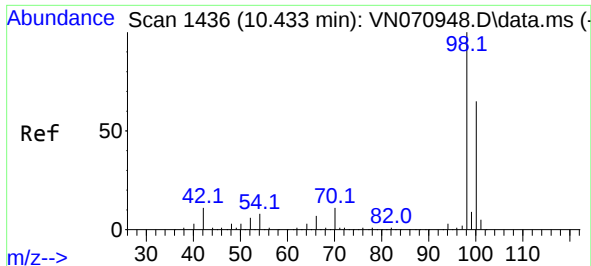
Tgt Ion: 43 Resp: 8644
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#44
Trichloroethene
Concen: 1.524 ug/l
RT: 9.216 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 130 Resp: 15626
Ion Ratio Lower Upper
130 100
95 111.2 0.0 191.2

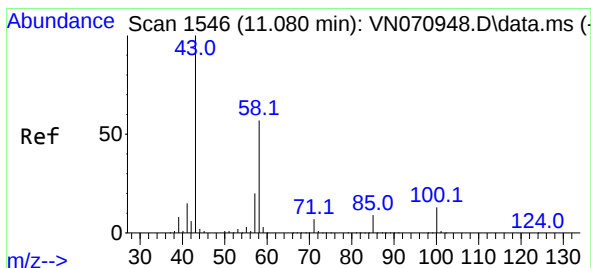
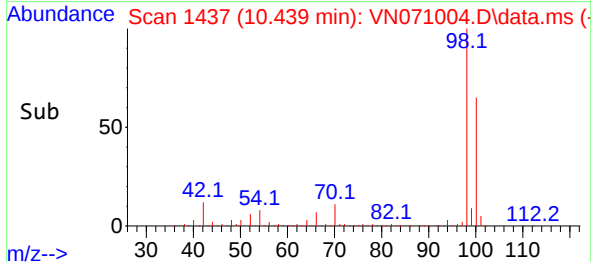
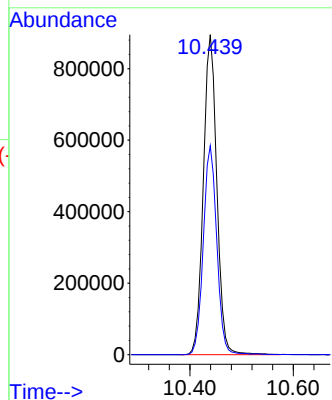
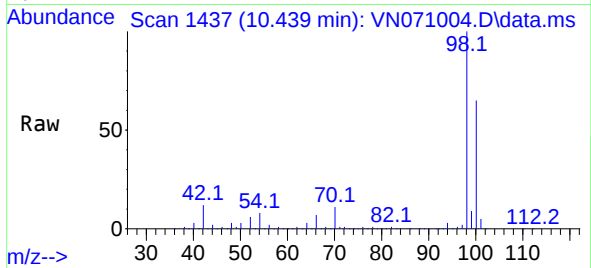




#50
Toluene-d8
Concen: 50.220 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

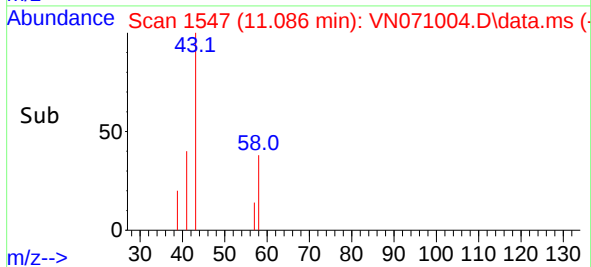
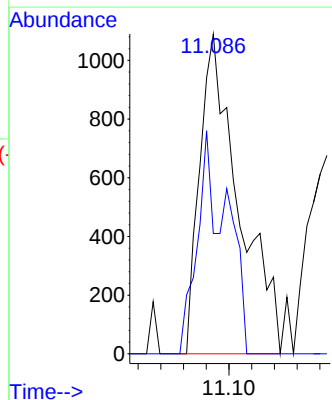
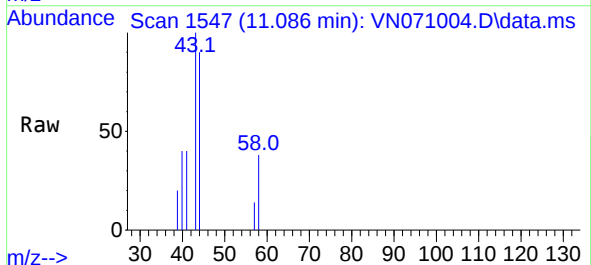
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220215

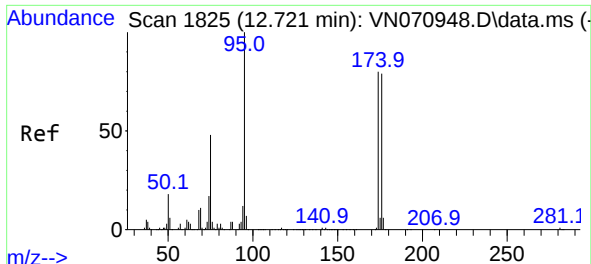
Tgt Ion: 98 Resp: 1620042
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6



#59
2-Hexanone
Concen: 0.280 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 43 Resp: 2604
Ion Ratio Lower Upper
43 100
58 33.6 26.9 80.7

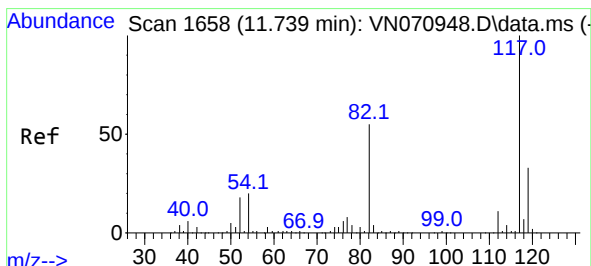
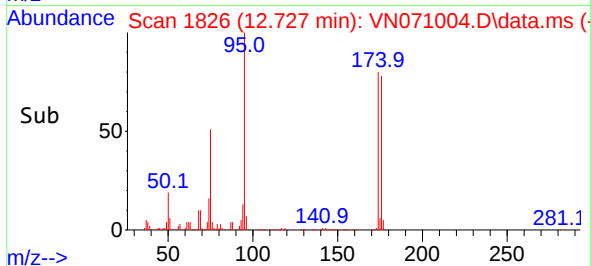
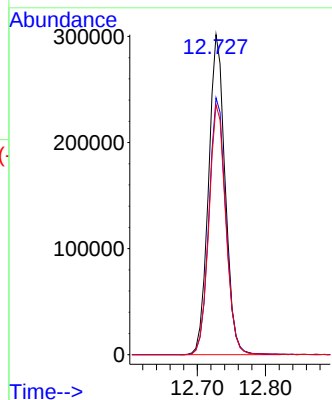
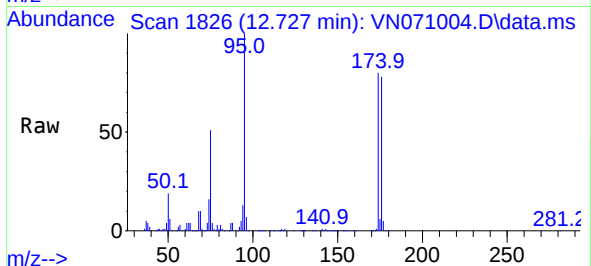




#62
4-Bromofluorobenzene
Concen: 44.338 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

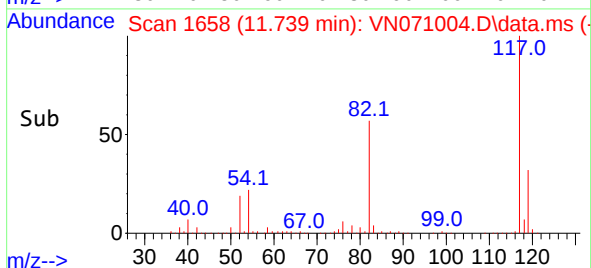
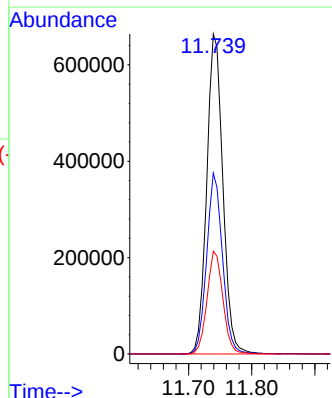
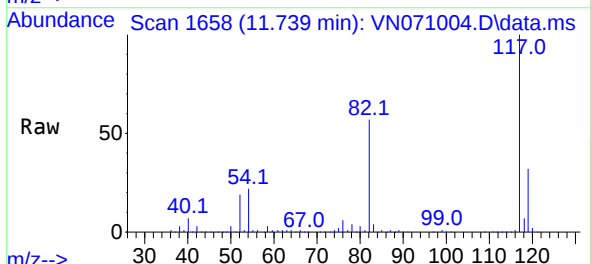
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220215

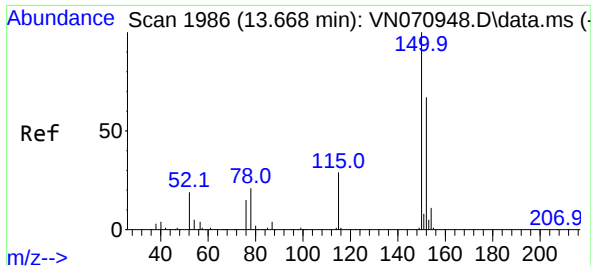
Tgt Ion: 95 Resp: 511257
Ion Ratio Lower Upper
95 100
174 81.6 0.0 187.2
176 79.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 117 Resp: 1179017
Ion Ratio Lower Upper
117 100
82 56.5 42.4 63.6
119 32.1 25.4 38.2

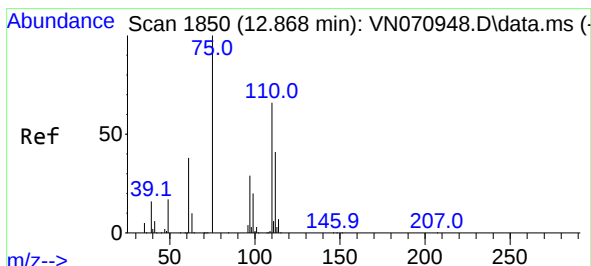
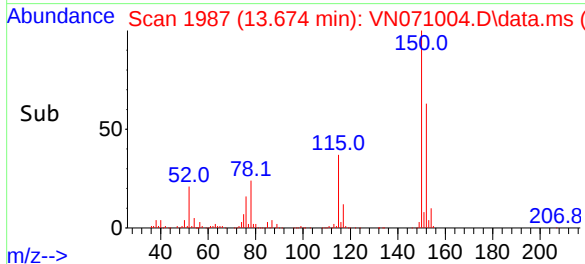
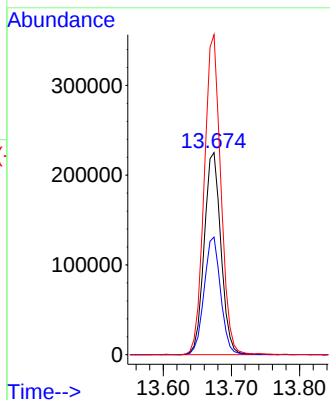
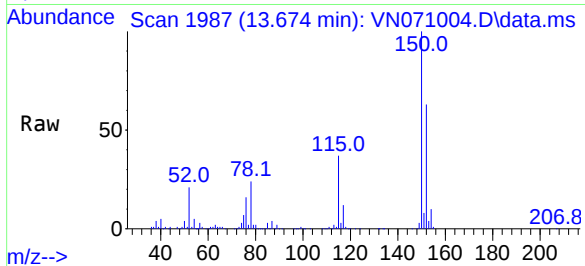




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

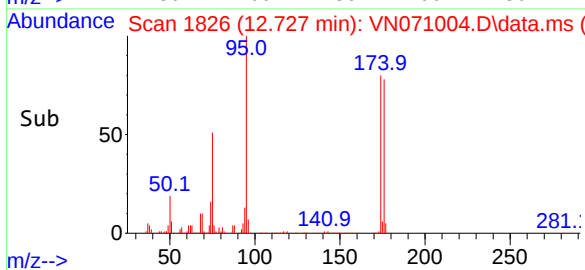
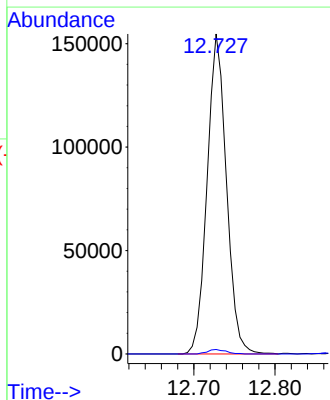
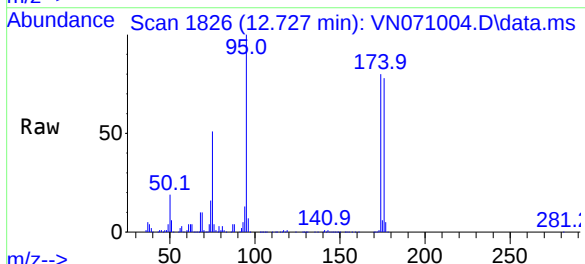
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220215

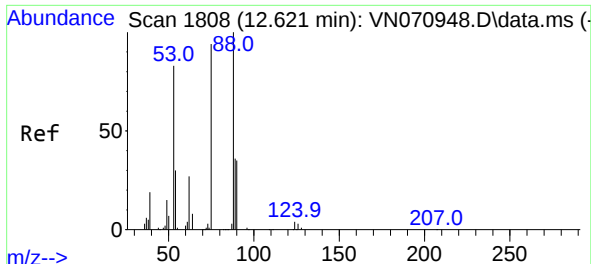
Tgt Ion:152 Resp: 384786
Ion Ratio Lower Upper
152 100
115 57.6 27.5 82.5
150 157.0 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.194 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion: 75 Resp: 255434
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

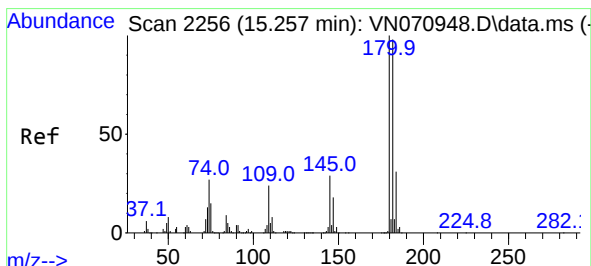
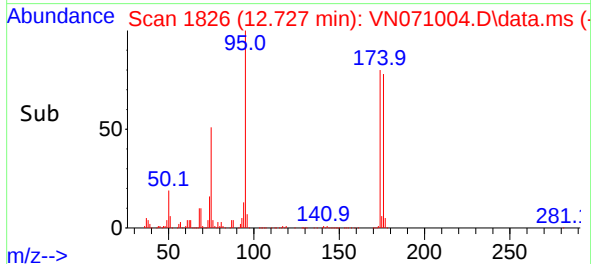
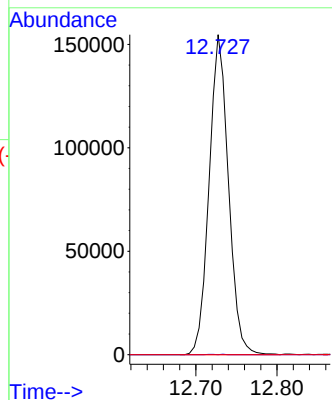
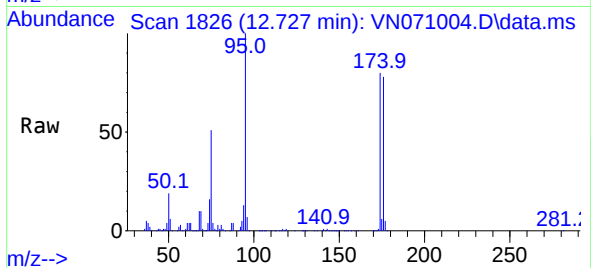




#81
trans-1,4-Dichloro-2-butene
Concen: 91.362 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

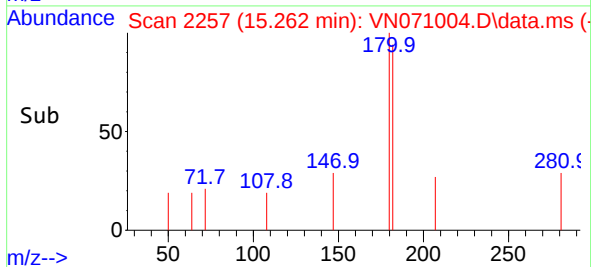
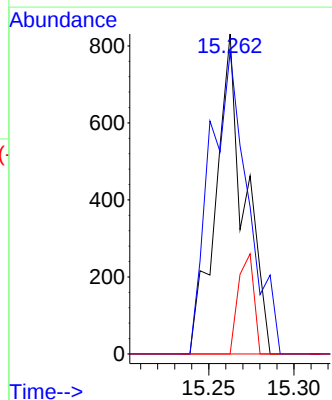
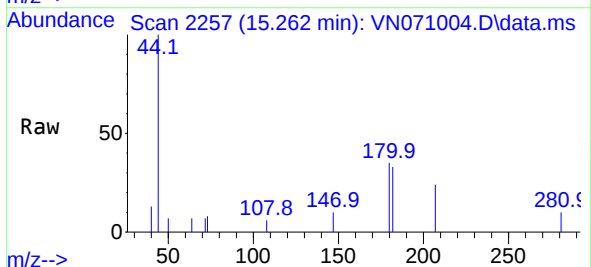
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220215

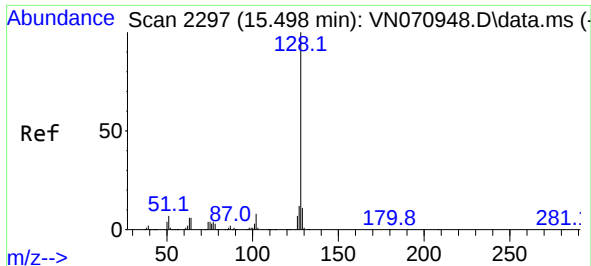
Tgt Ion: 75 Resp: 255434
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.133 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion:180 Resp: 987
Ion Ratio Lower Upper
180 100
182 122.9 48.3 144.9
145 16.7 14.5 43.5

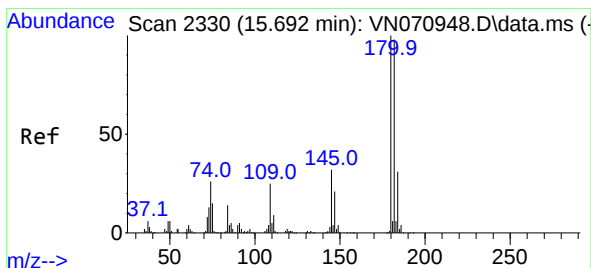
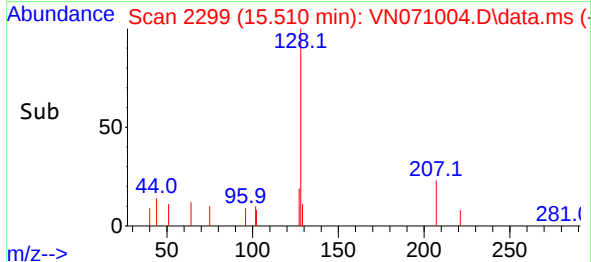
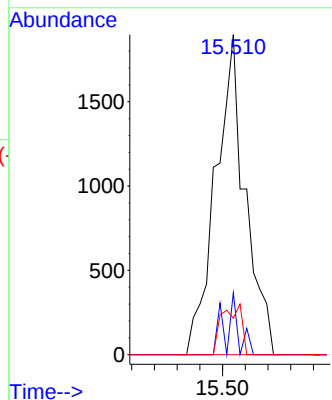
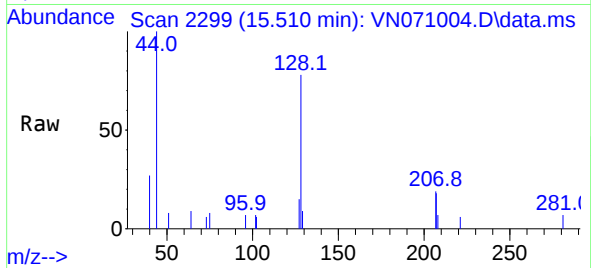




#95
Naphthalene
Concen: 5.169 ug/l
RT: 15.510 min Scan# 211
Delta R.T. 0.012 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220215

Tgt Ion:128 Resp: 3434
Ion Ratio Lower Upper
128 100
127 3.1 10.5 15.7#
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.661 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071004.D
Acq: 18 Feb 2022 16:38

Tgt Ion:180 Resp: 1000
Ion Ratio Lower Upper
180 100
182 97.2 47.4 142.2
145 33.8 15.0 45.1

