

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071054.D
 Acq On : 24 Feb 2022 14:44
 Operator : JC\MD
 Sample : N1642-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31456

Quant Time: Feb 25 02:43:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

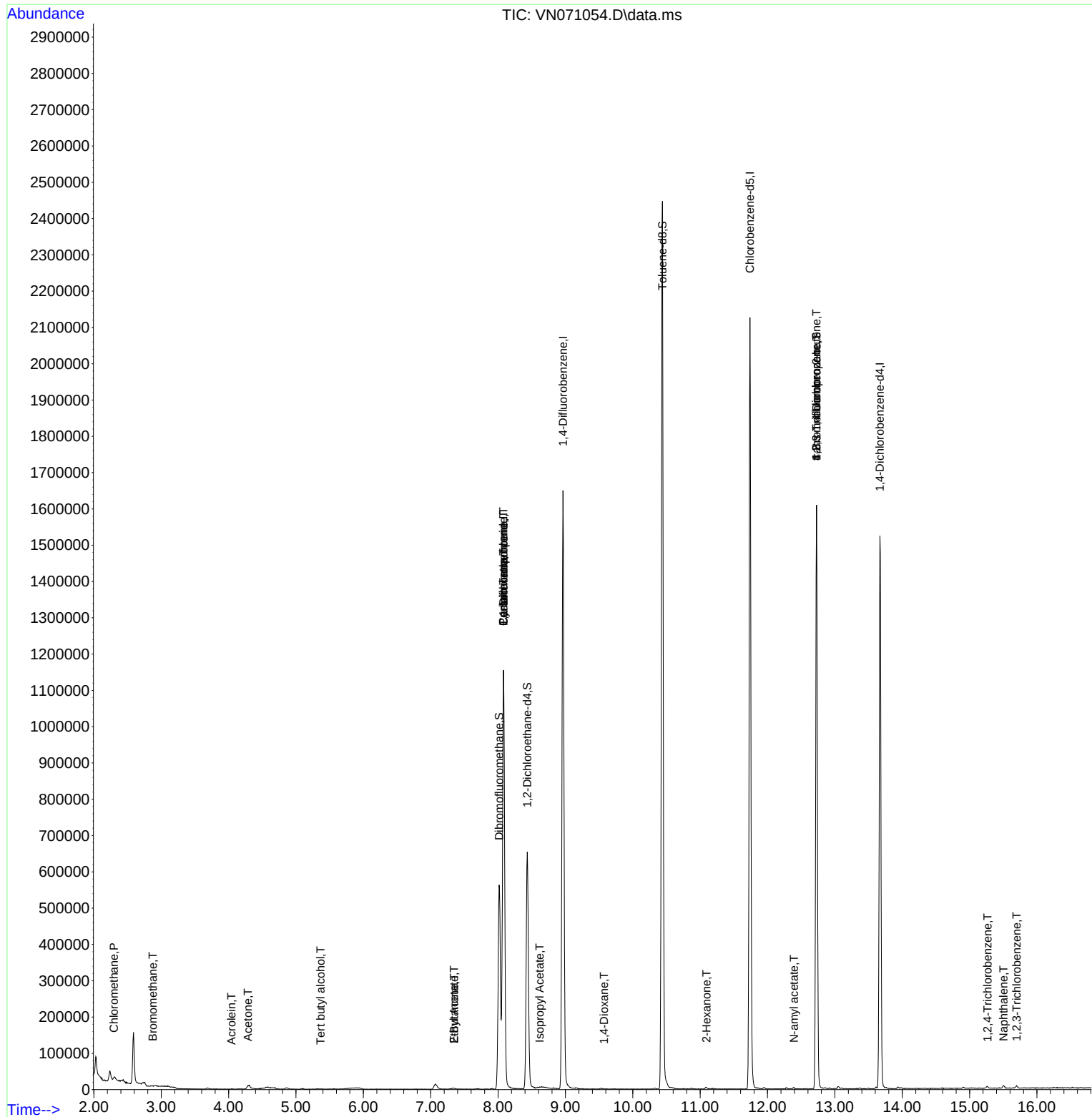
Internal Standards						
1) Pentafluorobenzene	8.081	168	896265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1427848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1252794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	431239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	543620	53.097	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.200%			
35) Dibromofluoromethane	8.016	113	420574	49.521	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.040%			
50) Toluene-d8	10.439	98	1705354	50.001	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.000%			
62) 4-Bromofluorobenzene	12.727	95	570213	46.773	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.540%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2415	0.206	ug/l #	81
5) Bromomethane	2.875	94	1503	0.226	ug/l	90
11) Tert butyl alcohol	5.363	59	1259	0.675	ug/l #	71
13) Acrolein	4.040	56	788	0.473	ug/l #	82
16) Acetone	4.287	43	16678	2.958	ug/l	99
25) 2-Butanone	7.345	43	5110	0.681	ug/l #	87
31) Cyclohexane	8.081	56	18314	1.034	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	69110	4.967	ug/l #	49
37) Ethyl Acetate	7.345	43	5110	0.342	ug/l #	68
38) Carbon Tetrachloride	8.081	117	84719	6.180	ug/l #	16
43) Isopropyl Acetate	8.616	43	4723	0.201	ug/l #	55
49) 1,4-Dioxane	9.575	88	61	0.308	ug/l #	1
59) 2-Hexanone	11.092	43	4282	0.435	ug/l	91
74) N-amyl acetate	12.392	43	2286	0.206	ug/l #	90
76) 1,2,3-Trichloropropane	12.727	75	288614	28.425	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	288614	92.110	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	2202	2.265	ug/l	87
95) Naphthalene	15.504	128	7383	5.334	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.698	180	3202	2.931	ug/l	82

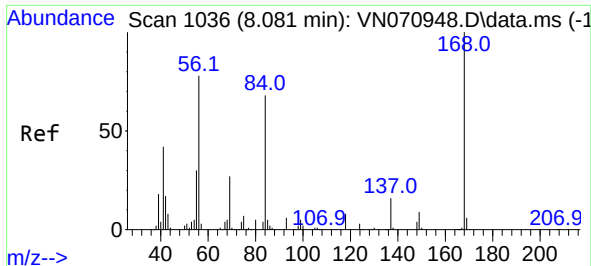
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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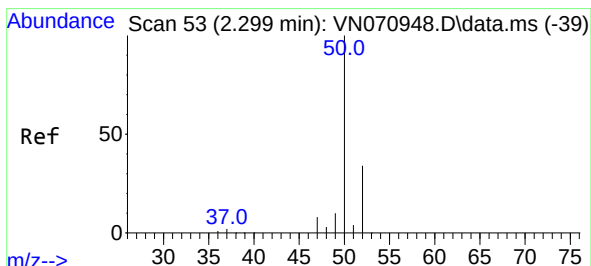
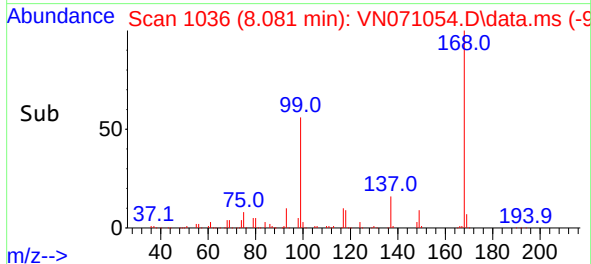
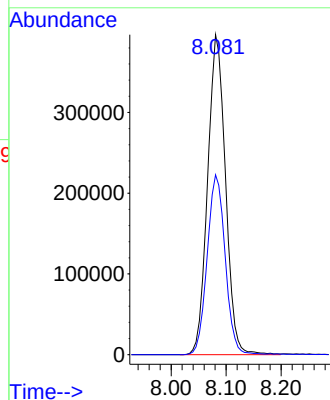
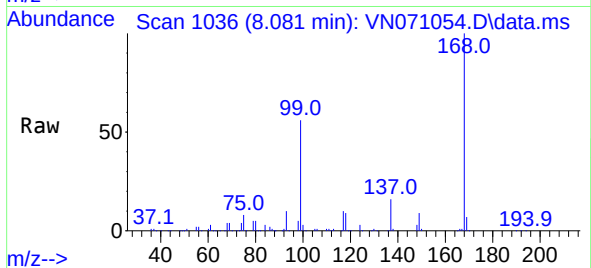




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

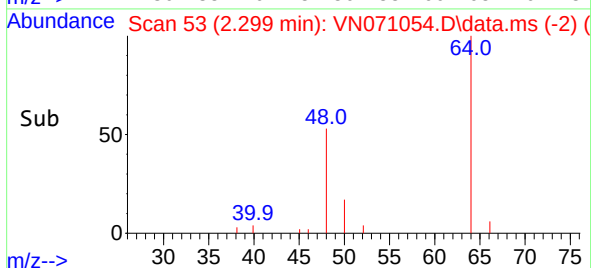
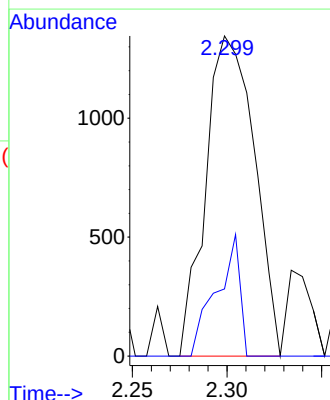
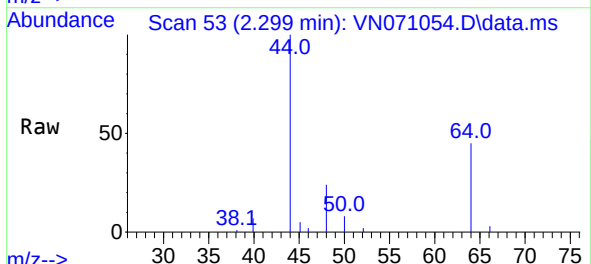
Instrument :
MSVOA_N
ClientSampleId :
31456

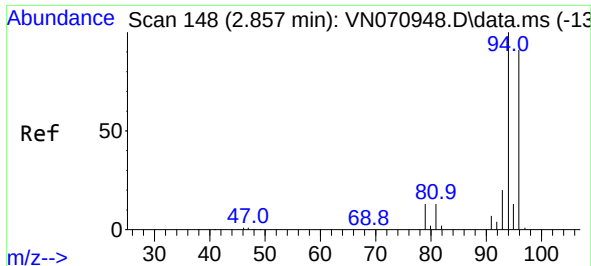
Tgt Ion:168 Resp: 896265
Ion Ratio Lower Upper
168 100
99 56.2 41.3 61.9



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 50 Resp: 2415
Ion Ratio Lower Upper
50 100
52 21.0 25.4 38.0#

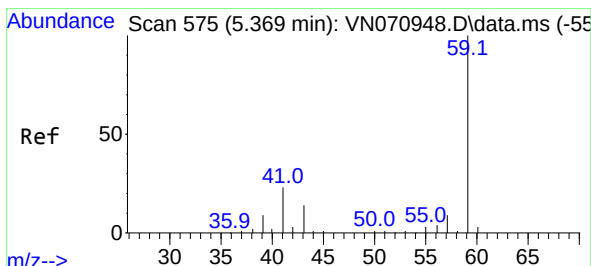
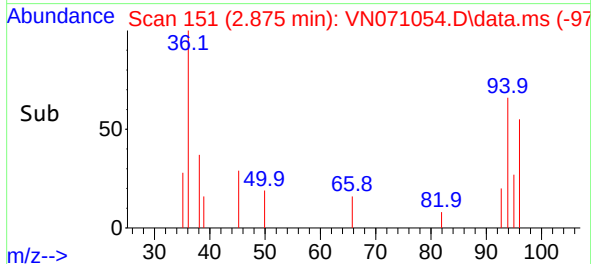
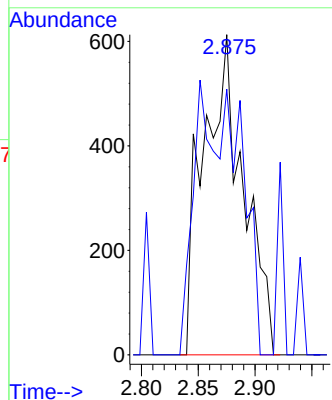
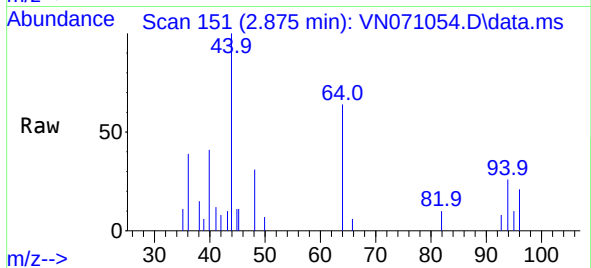




#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

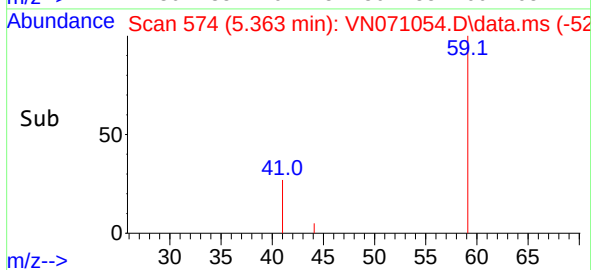
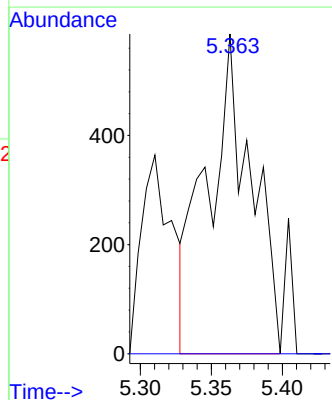
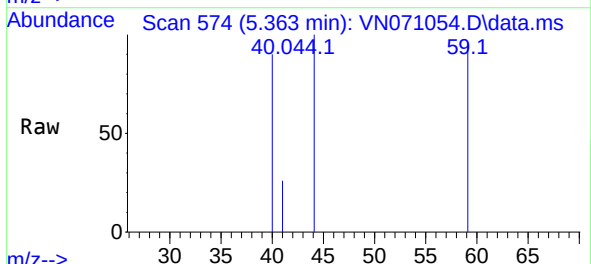
Instrument :
MSVOA_N
ClientSampleId :
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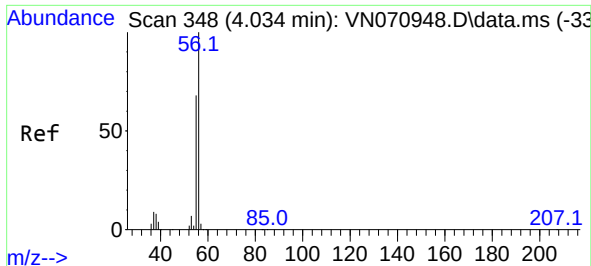
Tgt Ion: 94 Resp: 1503
Ion Ratio Lower Upper
94 100
96 83.0 73.8 110.8



#11
Tert butyl alcohol
Concen: 0.675 ug/l
RT: 5.363 min Scan# 574
Delta R.T. -0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 59 Resp: 1259
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

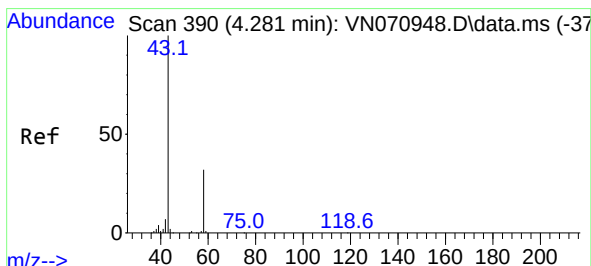
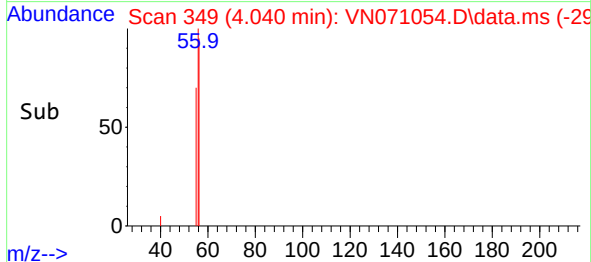
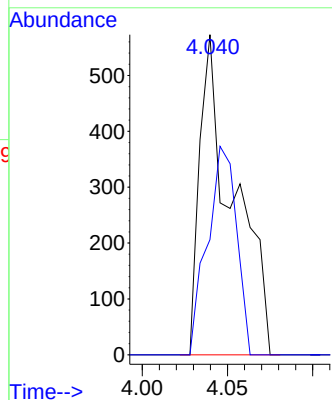
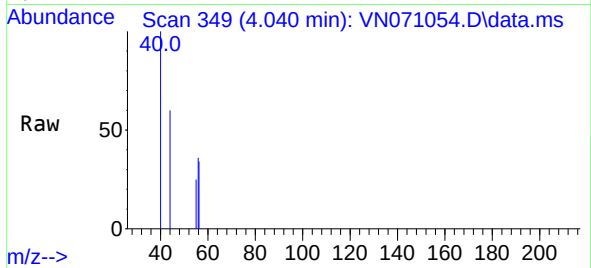




#13
Acrolein
Concen: 0.473 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

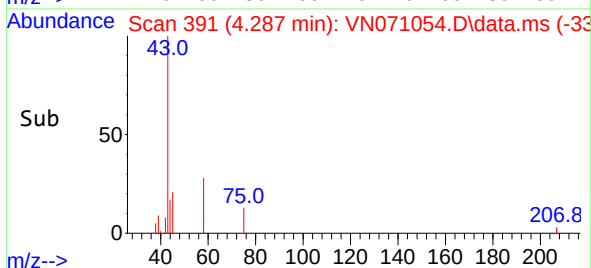
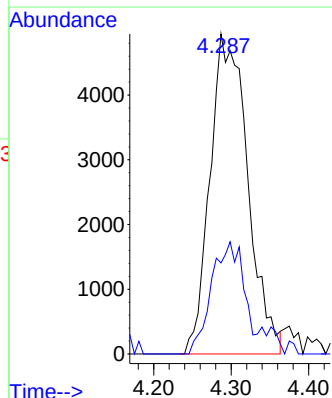
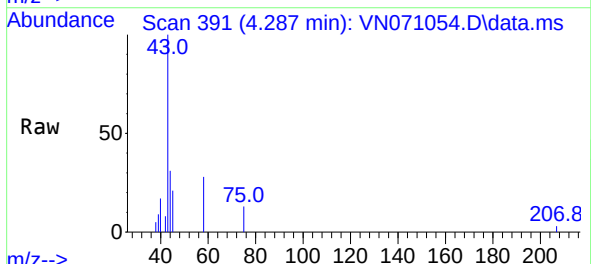
Instrument :
MSVOA_N
ClientSampleId :
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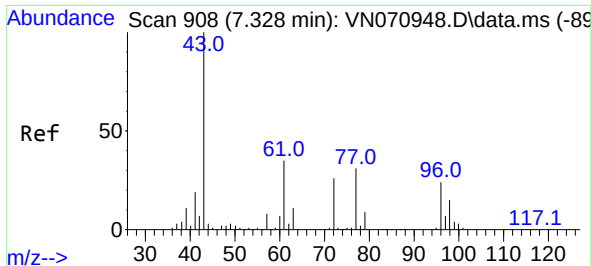
Tgt Ion: 56 Resp: 788
Ion Ratio Lower Upper
56 100
55 56.1 56.6 85.0#



#16
Acetone
Concen: 2.958 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 43 Resp: 16678
Ion Ratio Lower Upper
43 100
58 28.4 23.1 34.7

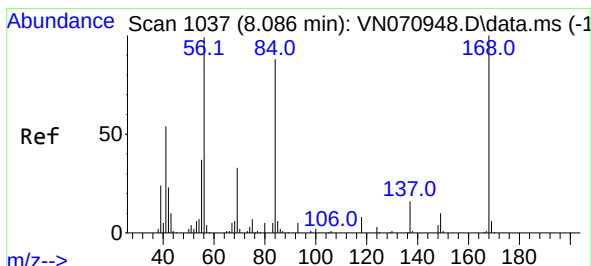
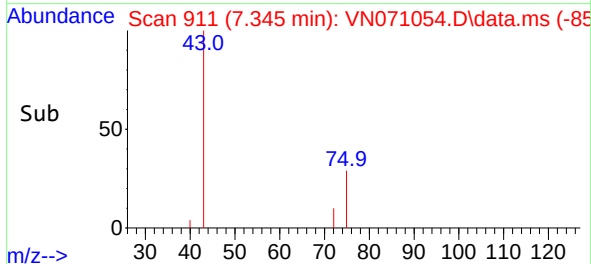
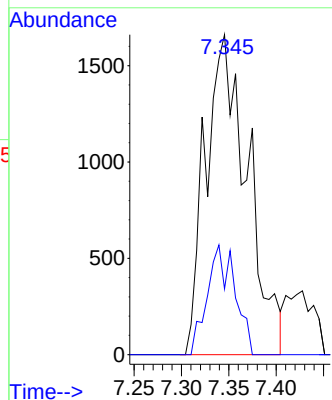
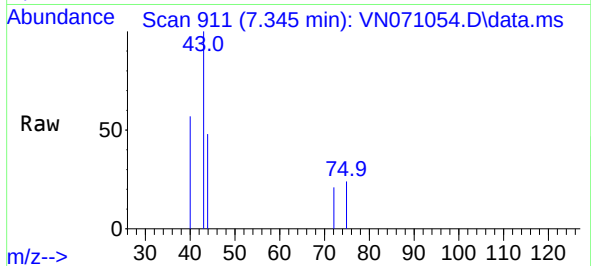




#25
2-Butanone
Concen: 0.681 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

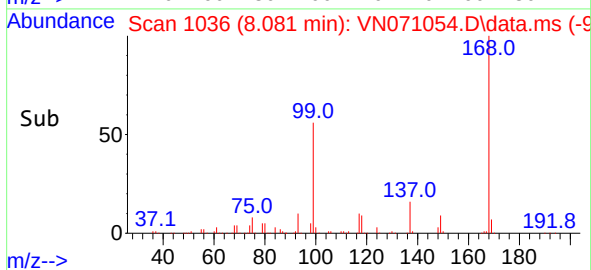
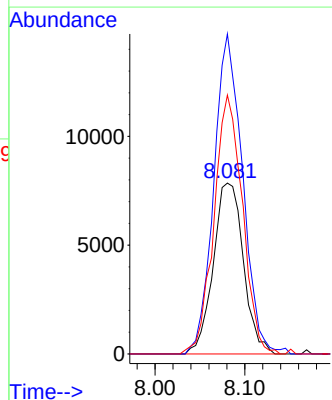
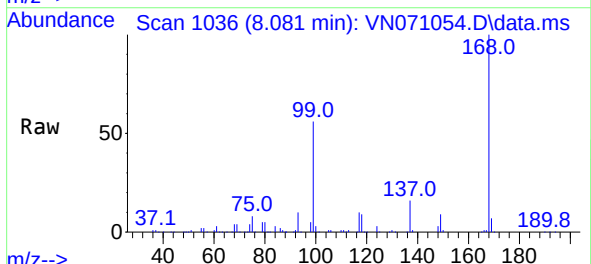
Instrument :
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ClientSampleId :
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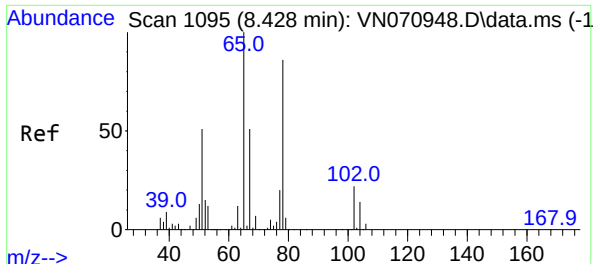
Tgt Ion: 43 Resp: 5110
Ion Ratio Lower Upper
43 100
72 20.5 21.7 32.5#



#31
Cyclohexane
Concen: 1.034 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 56 Resp: 18314
Ion Ratio Lower Upper
56 100
69 187.3 27.1 40.7#
84 151.5 73.4 110.0#

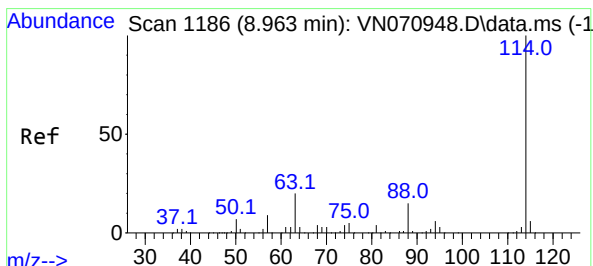
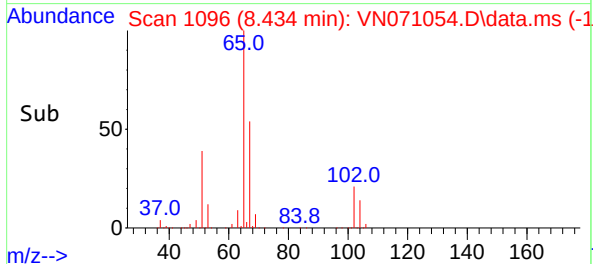
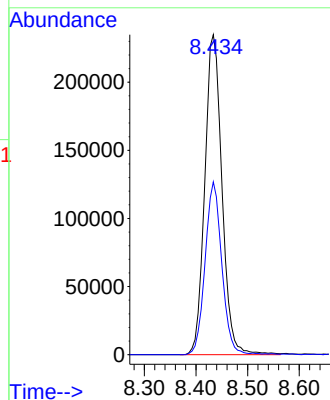
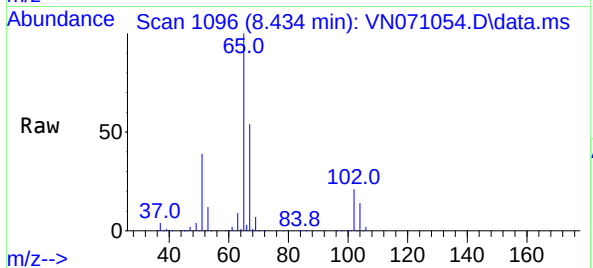




#33
1,2-Dichloroethane-d4
Concen: 53.097 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

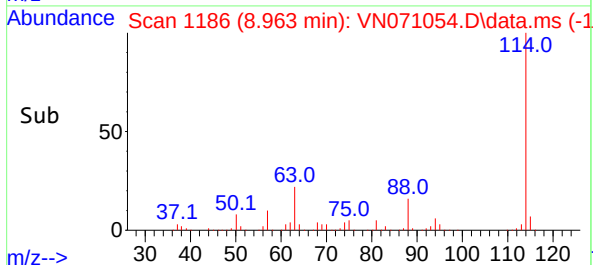
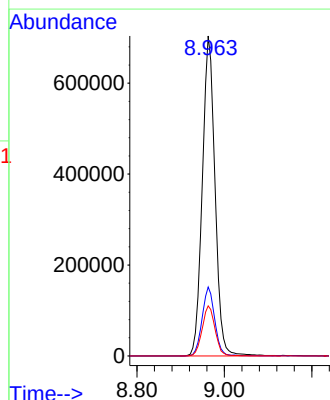
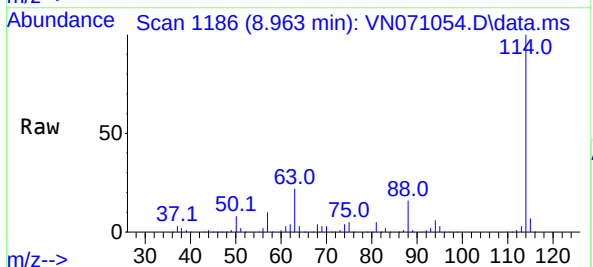
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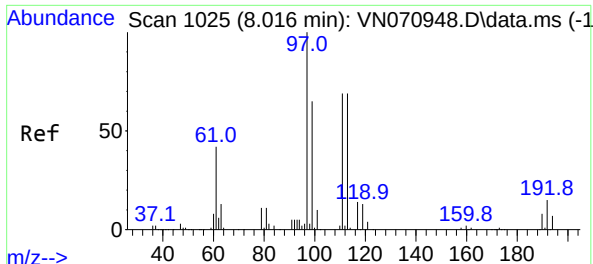
Tgt Ion: 65 Resp: 543620
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 114 Resp: 1427848
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.8
88 15.6 0.0 27.4

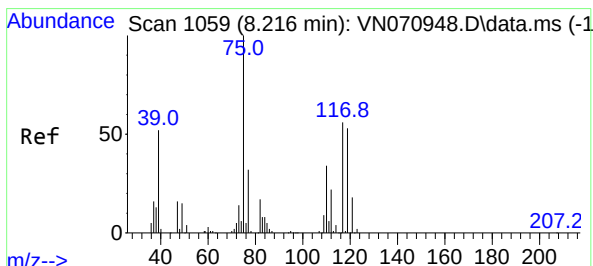
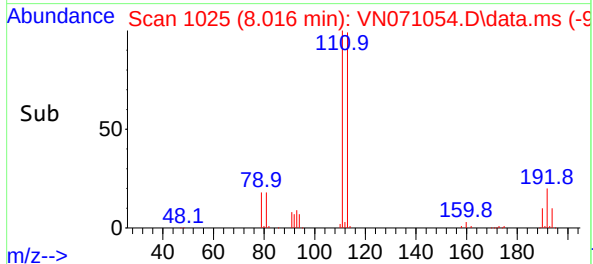
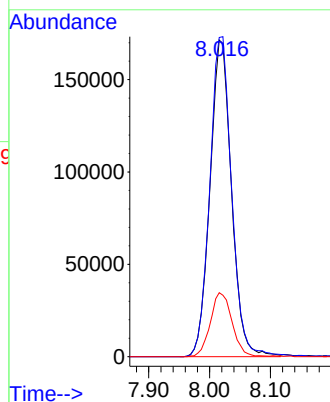
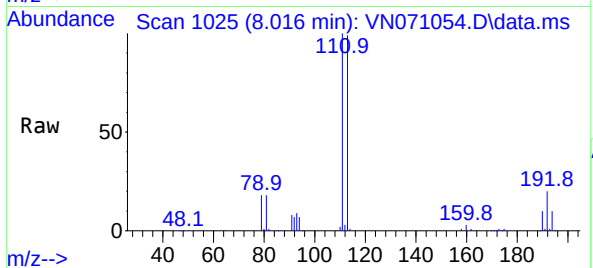




#35
Dibromofluoromethane
Concen: 49.521 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

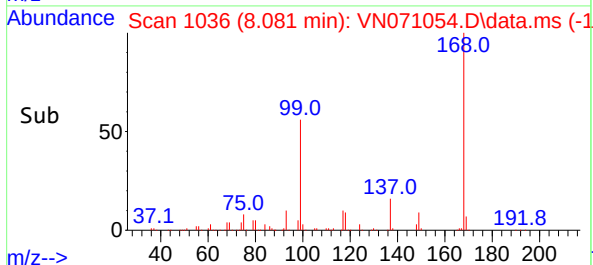
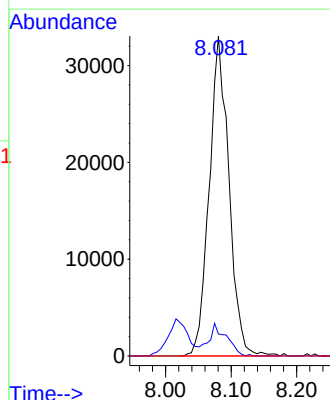
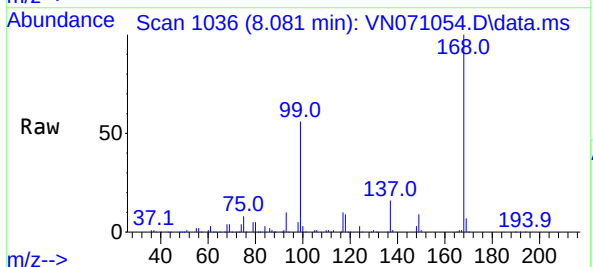
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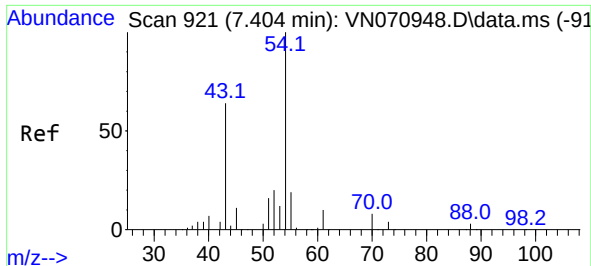
Tgt Ion:113 Resp: 420574
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 75 Resp: 69110
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

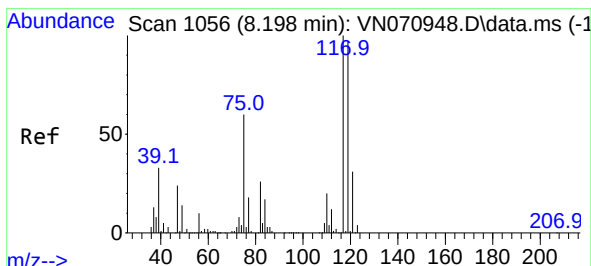
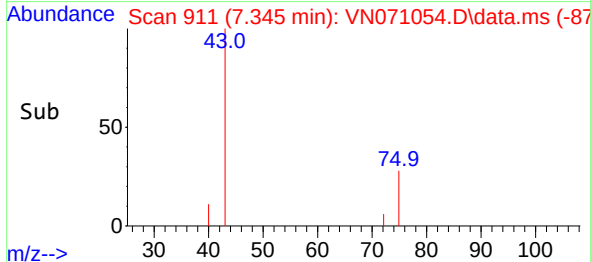
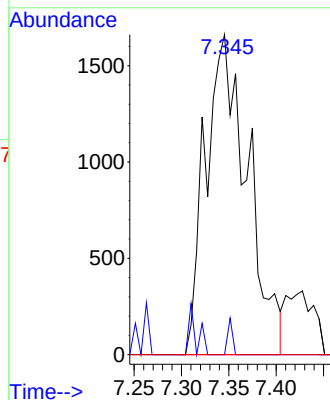
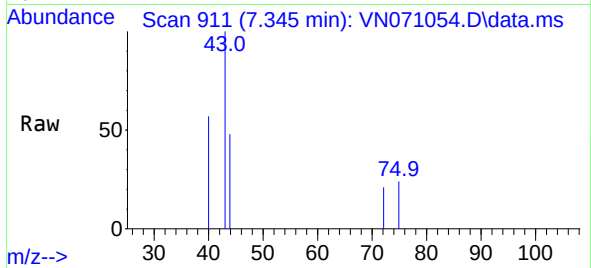




#37
Ethyl Acetate
Concen: 0.342 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

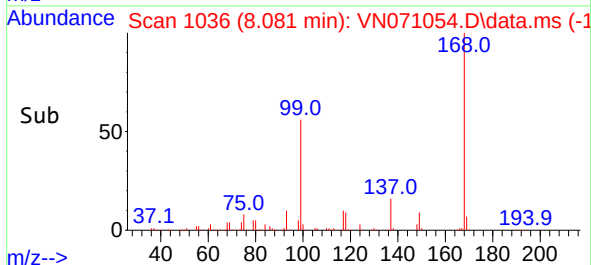
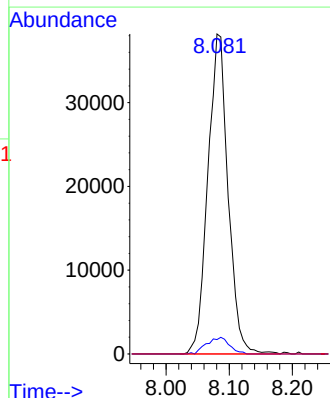
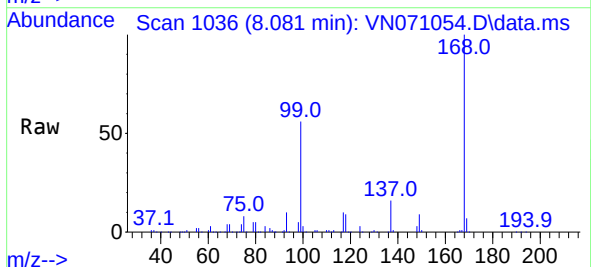
Instrument :
MSVOA_N
ClientSampleId :
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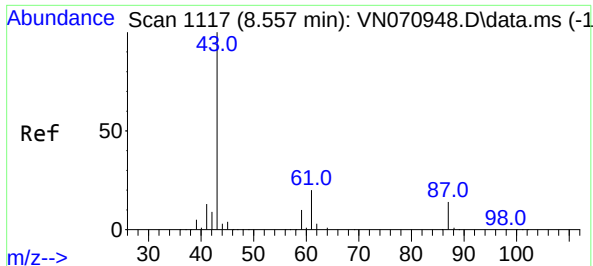
Tgt Ion: 43 Resp: 5110
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.180 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 117 Resp: 84719
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#

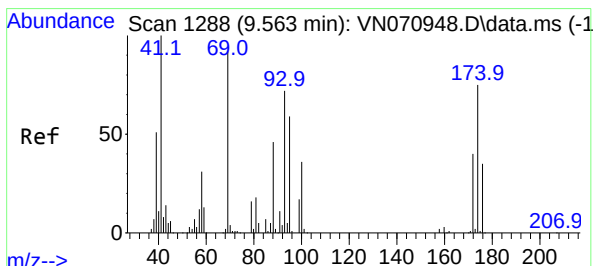
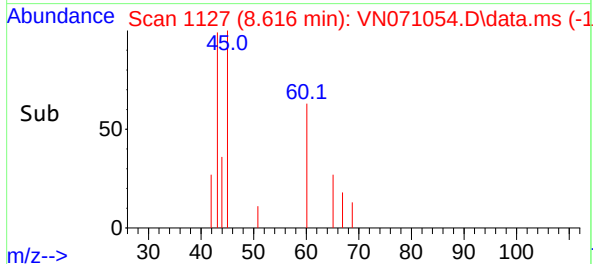
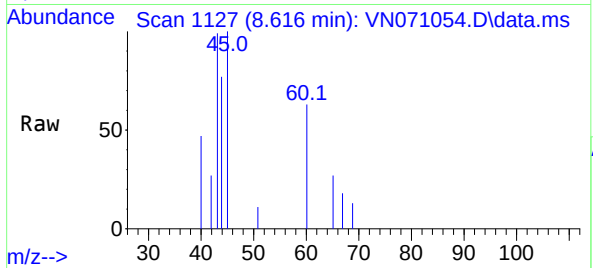




#43
Isopropyl Acetate
Concen: 0.201 ug/l
RT: 8.616 min Scan# 1117
Delta R.T. 0.059 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

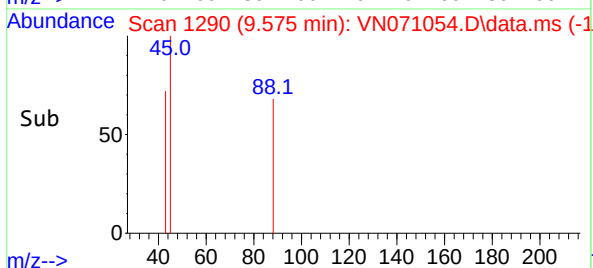
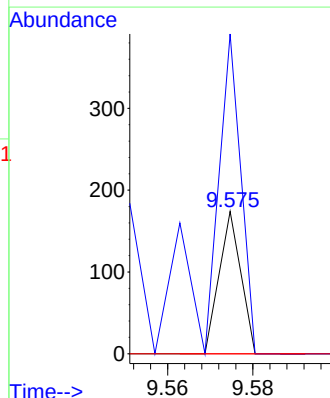
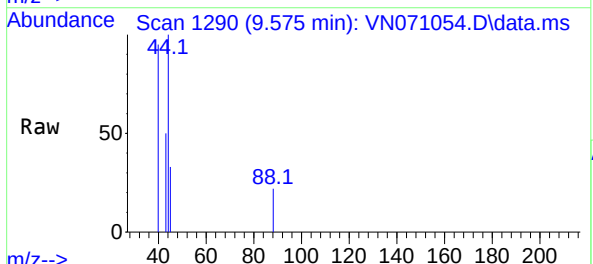
Instrument :
MSVOA_N
ClientSampleId :
31456

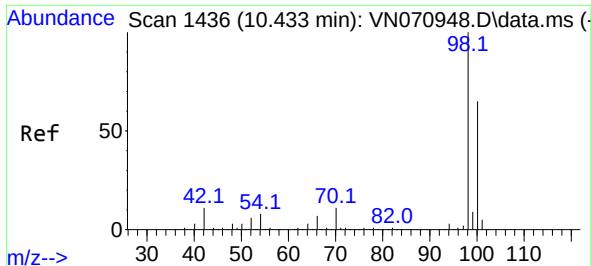
Tgt Ion: 43 Resp: 4723
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#49
1,4-Dioxane
Concen: 0.308 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. 0.012 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 319.7 23.4 35.2#
58 0.0 50.6 75.8#

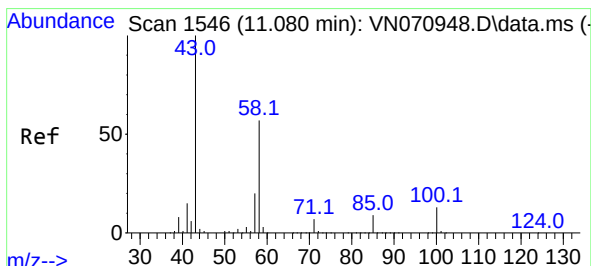
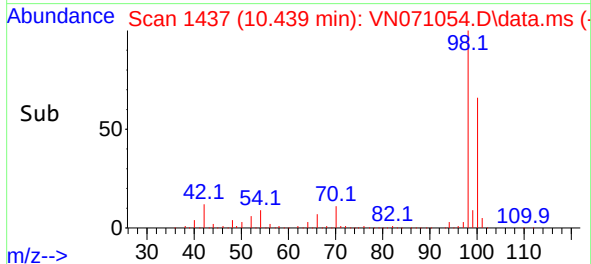
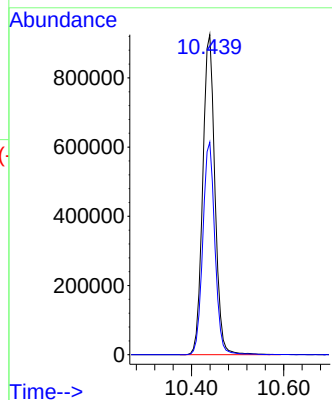
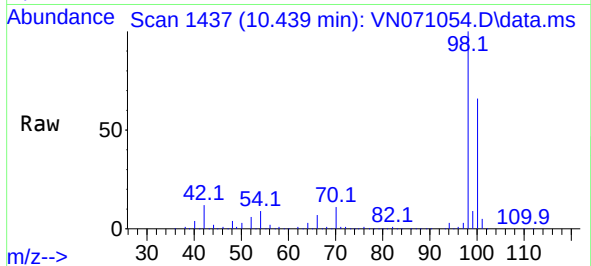




#50
Toluene-d8
Concen: 50.001 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

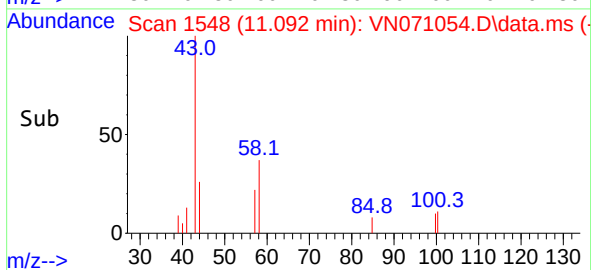
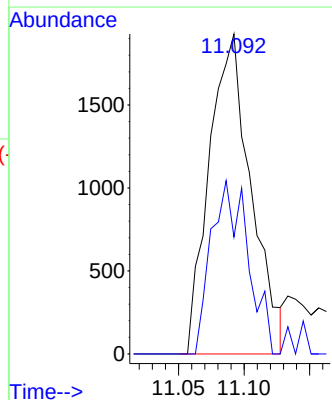
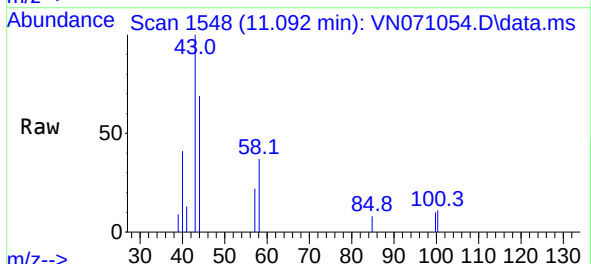
Instrument :
MSVOA_N
ClientSampleId :
31456

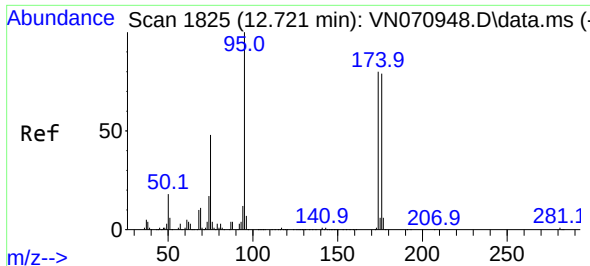
Tgt Ion: 98 Resp: 1705354
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6



#59
2-Hexanone
Concen: 0.435 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 43 Resp: 4282
Ion Ratio Lower Upper
43 100
58 47.4 26.9 80.7

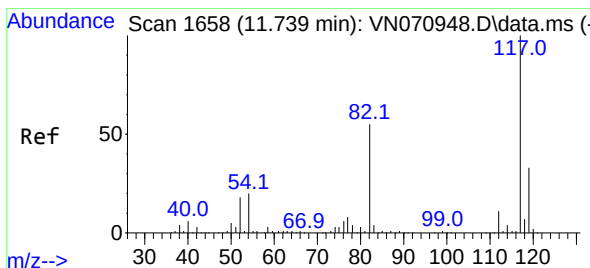
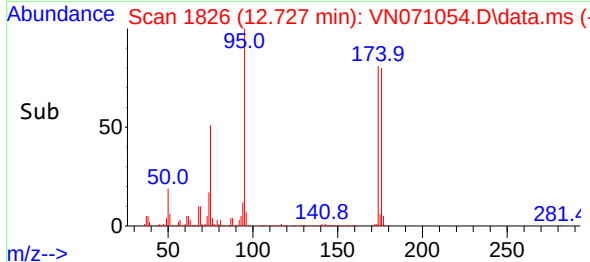
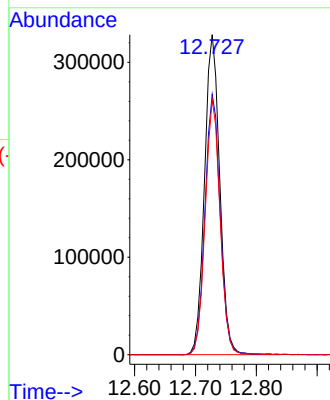
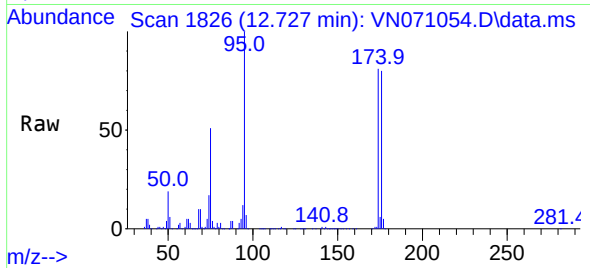




#62
4-Bromofluorobenzene
Concen: 46.773 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

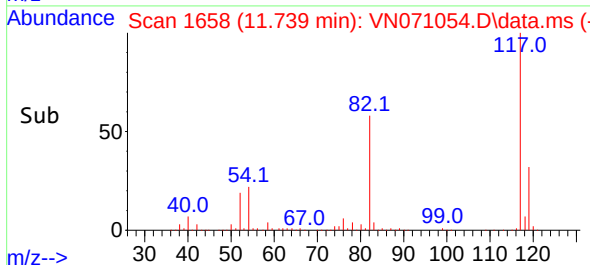
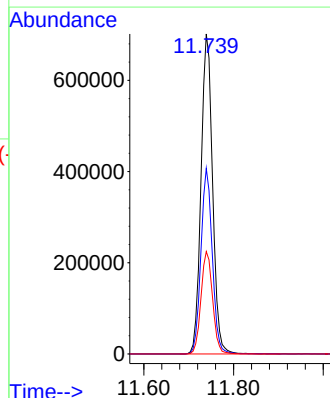
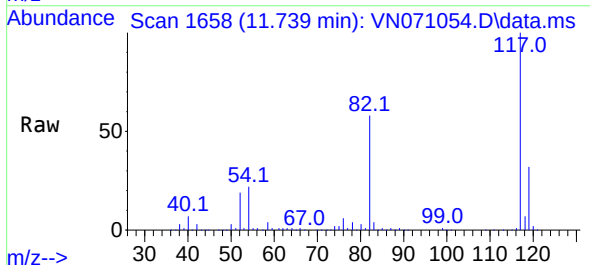
Instrument :
MSVOA_N
ClientSampleId :
31456

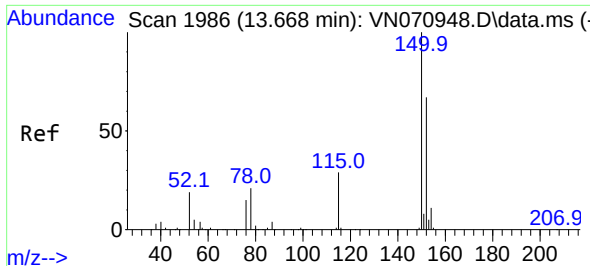
Tgt Ion: 95 Resp: 570213
Ion Ratio Lower Upper
95 100
174 81.2 0.0 187.2
176 77.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

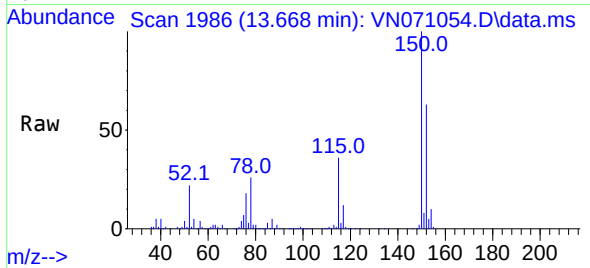
Tgt Ion: 117 Resp: 1252794
Ion Ratio Lower Upper
117 100
82 58.0 42.4 63.6
119 32.0 25.4 38.2



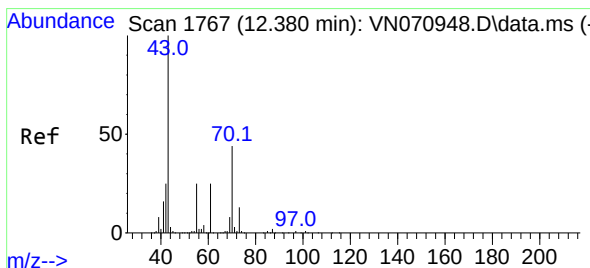
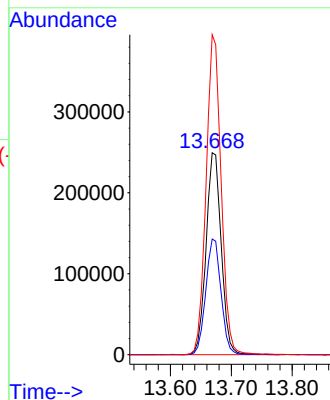
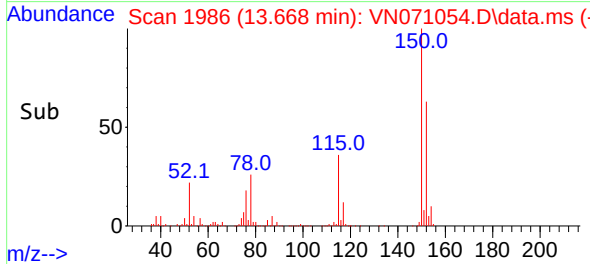


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

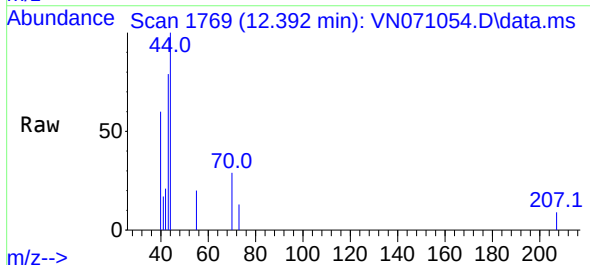
Instrument :
MSVOA_N
ClientSampleId :
31456



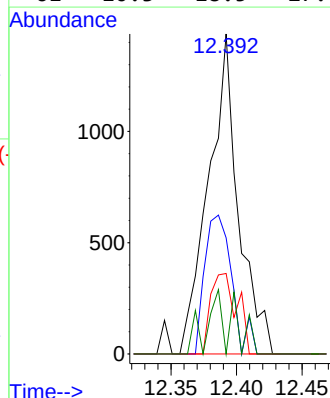
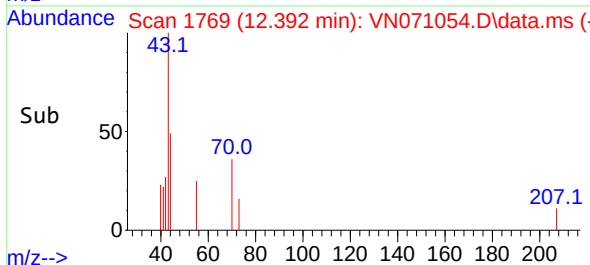
Tgt Ion:152 Resp: 431239
Ion Ratio Lower Upper
152 100
115 57.7 27.5 82.5
150 157.3 0.0 344.4

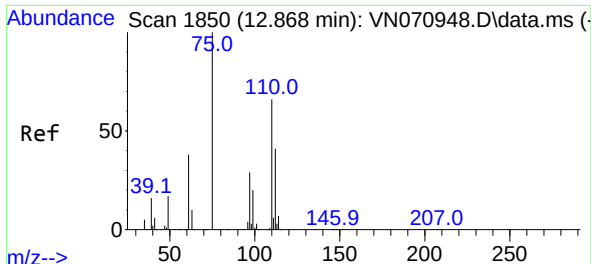


#74
N-ethyl acetate
Concen: 0.206 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.012 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44



Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
70 39.3 33.4 50.0
55 22.0 19.3 28.9
61 10.3 18.5 27.7#

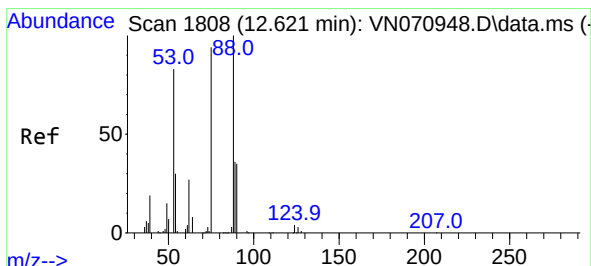
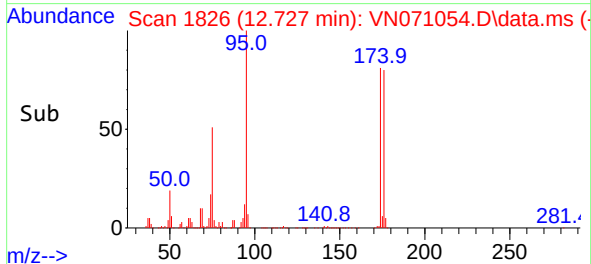
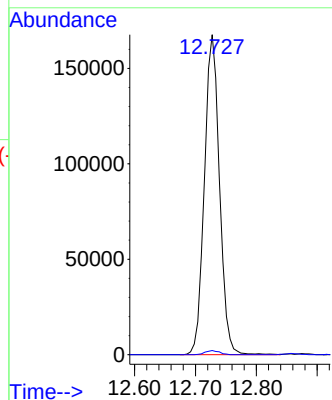
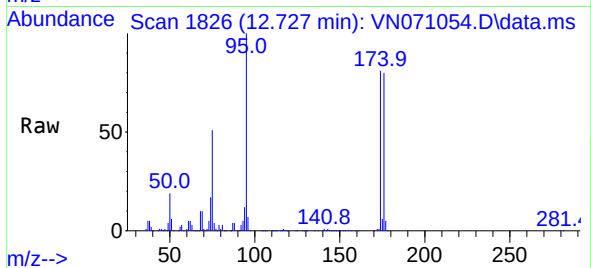




#76
1,2,3-Trichloropropane
Concen: 28.425 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

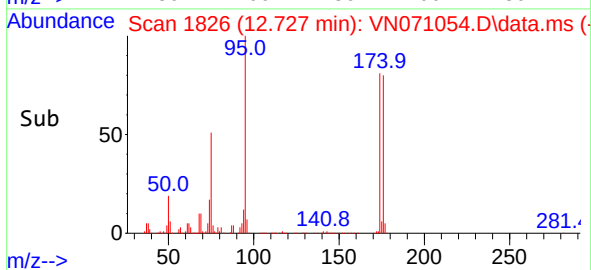
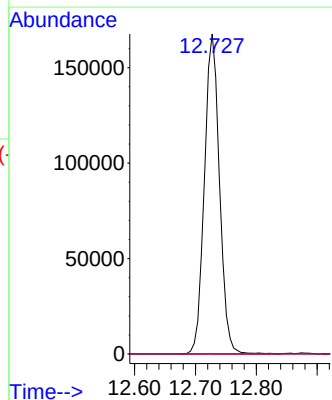
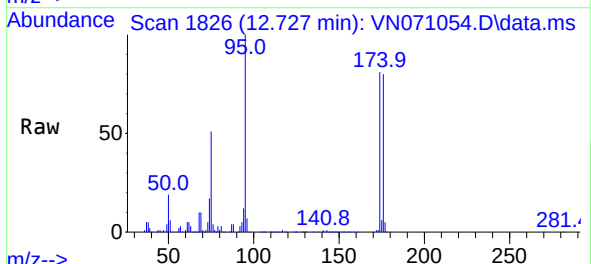
Instrument :
MSVOA_N
ClientSampleId :
31456

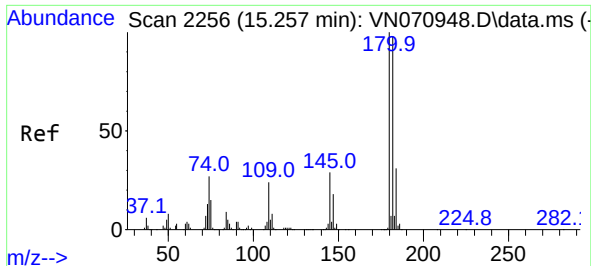
Tgt Ion: 75 Resp: 288614
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.110 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

Tgt Ion: 75 Resp: 288614
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

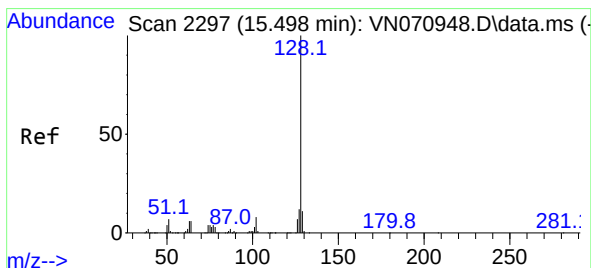
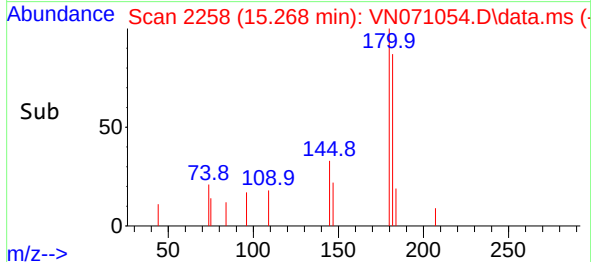
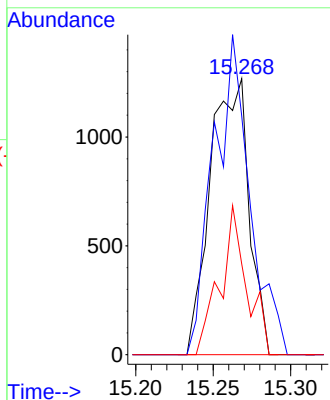
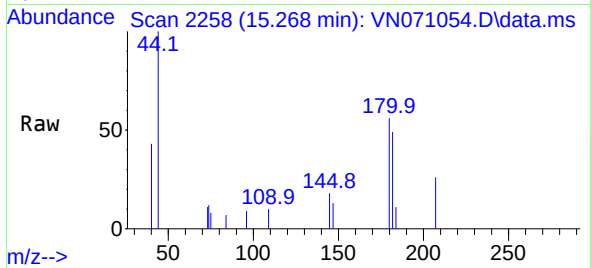




#93
1,2,4-Trichlorobenzene
Concen: 2.265 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

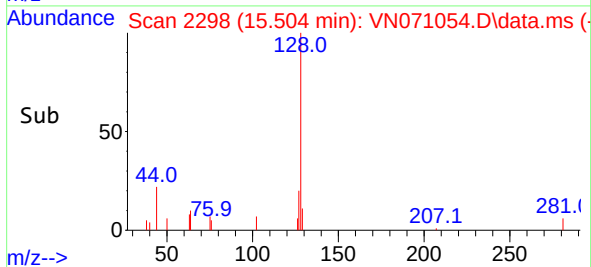
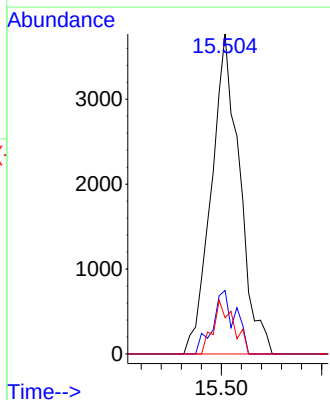
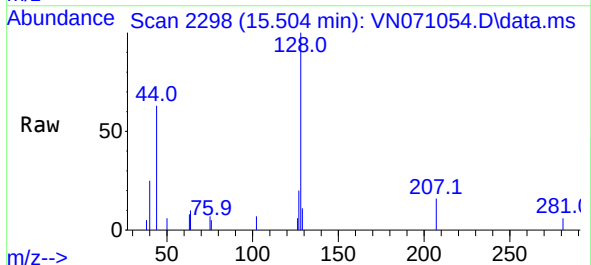
Instrument :
MSVOA_N
ClientSampleId :
31456

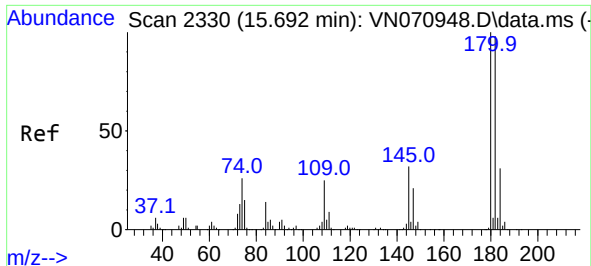
Tgt Ion:180 Resp: 2202
Ion Ratio Lower Upper
180 100
182 108.8 48.3 144.9
145 37.1 14.5 43.5



#95
Naphthalene
Concen: 5.334 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071054.D
Acq: 24 Feb 2022 14:44

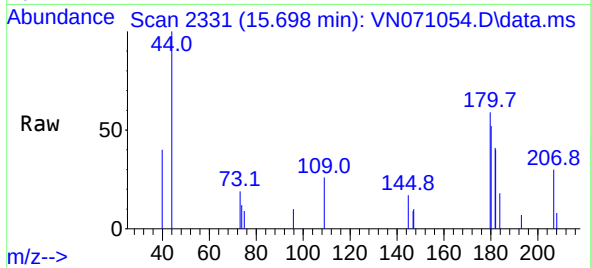
Tgt Ion:128 Resp: 7383
Ion Ratio Lower Upper
128 100
127 16.0 10.5 15.7#
129 12.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.931 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071054.D
 Acq: 24 Feb 2022 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 31456



Tgt Ion:	180	Resp:	3202
Ion	Ratio	Lower	Upper
180	100		
182	75.1	47.4	142.2
145	23.7	15.0	45.1

