

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071303.D
 Acq On : 15 Mar 2022 19:40
 Operator : JC\MD
 Sample : N1886-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30970

Quant Time: Mar 16 08:07:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

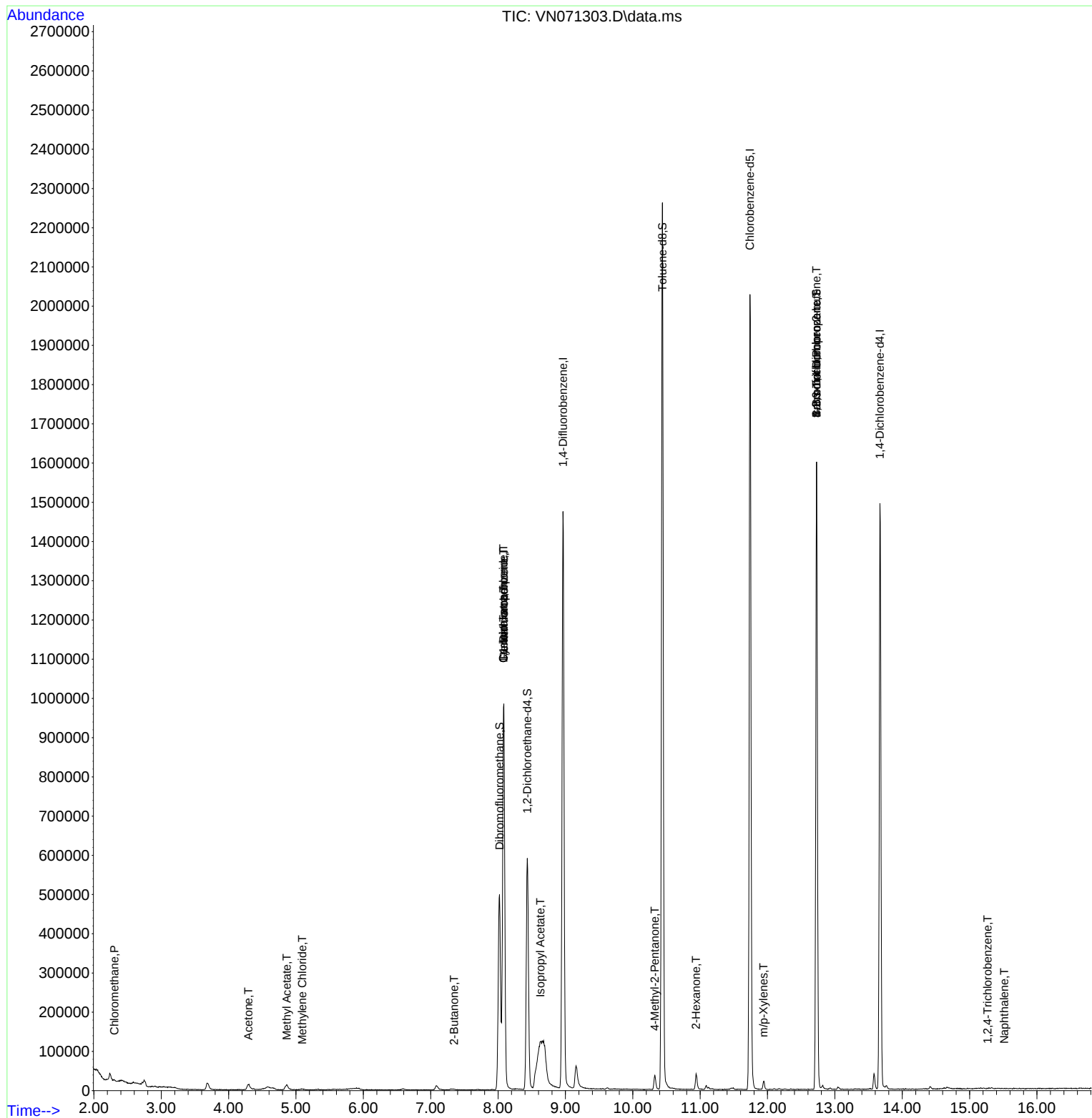
Internal Standards						
1) Pentafluorobenzene	8.087	168	761510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1288278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1184048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	415388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	495317	47.459	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.920%		
35) Dibromofluoromethane	8.022	113	372265	45.792	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.580%		
50) Toluene-d8	10.439	98	1569002	47.935	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.880%		
62) 4-Bromofluorobenzene	12.727	95	554069	49.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.980%		
Target Compounds						Qvalue
3) Chloromethane	2.305	50	2913	0.226	ug/l	97
5) Bromomethane	2.875	94	1317	Below Cal	#	76
16) Acetone	4.293	43	25351	4.992	ug/l	92
18) Methyl Acetate	4.863	43	25924	2.353	ug/l	98
20) Methylene Chloride	5.093	84	1586	0.551	ug/l	# 62
25) 2-Butanone	7.345	43	3026	0.370	ug/l	95
31) Cyclohexane	8.081	56	15432	0.926	ug/l	# 1
36) 1,1-Dichloropropene	8.081	75	60655	4.657	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	74759	5.934	ug/l	# 17
43) Isopropyl Acetate	8.628	43	196236	7.320	ug/l	# 57
51) 4-Methyl-2-Pentanone	10.328	43	26830	1.613	ug/l	100
59) 2-Hexanone	10.939	43	26643	2.347	ug/l	76
68) m/p-Xylenes	11.939	106	5710	0.347	ug/l	82
71) Bromoform	12.727	173	3789	0.535	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.833	83	61	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	279285	26.409	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	279285	72.680	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.268	180	108	3.004	ug/l	# 12
95) Naphthalene	15.515	128	804	5.106	ug/l	# 69

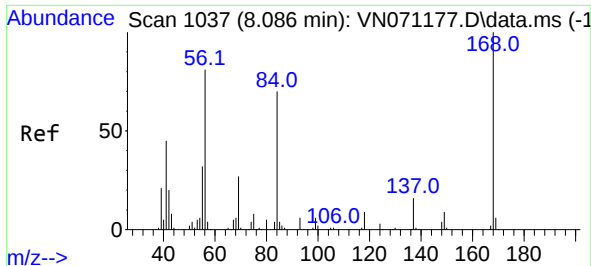
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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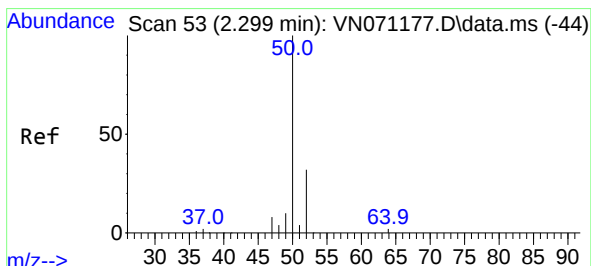
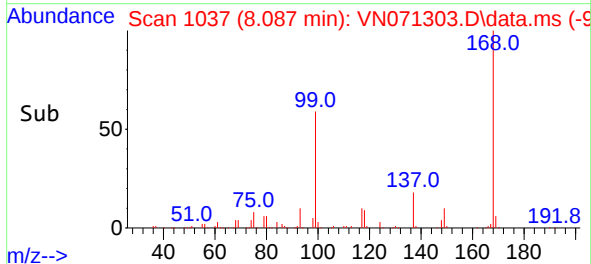
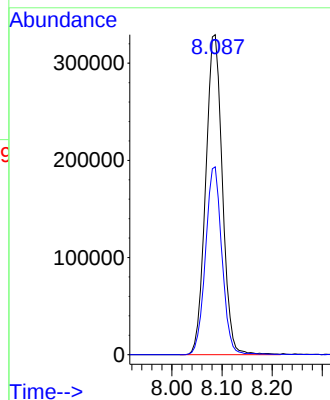
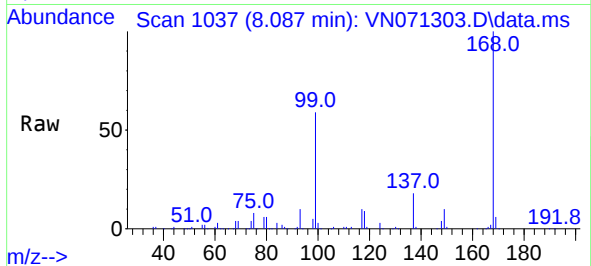




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

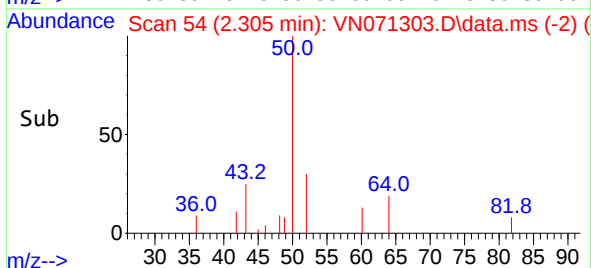
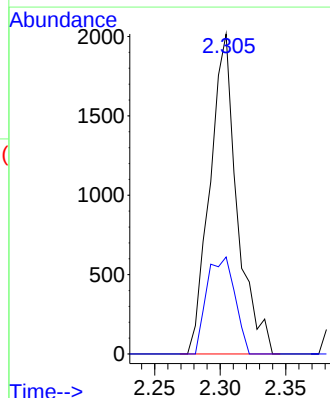
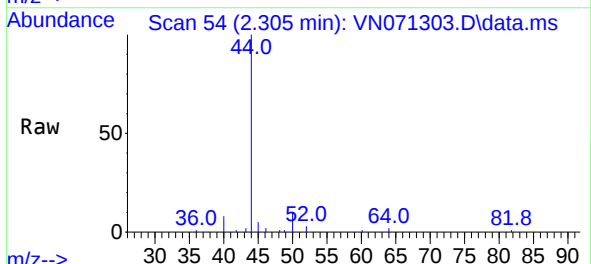
Instrument :
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ClientSampleId :
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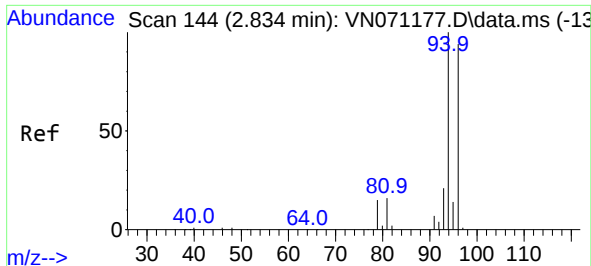
Tgt Ion:168 Resp: 761510
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 50 Resp: 2913
Ion Ratio Lower Upper
50 100
52 30.3 25.4 38.0

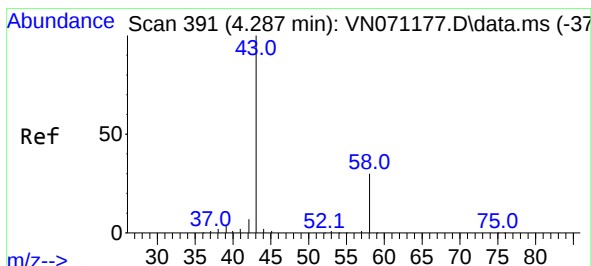
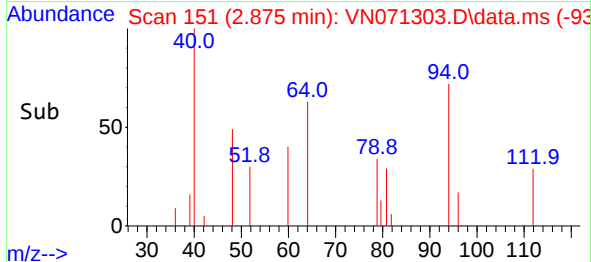
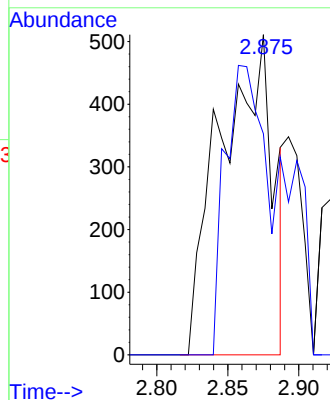
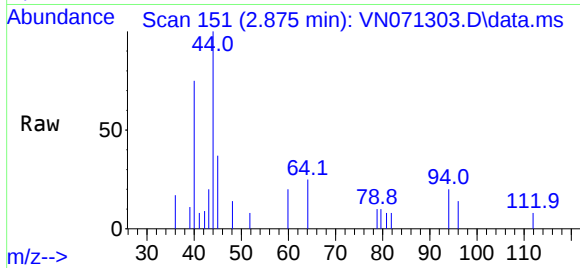




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

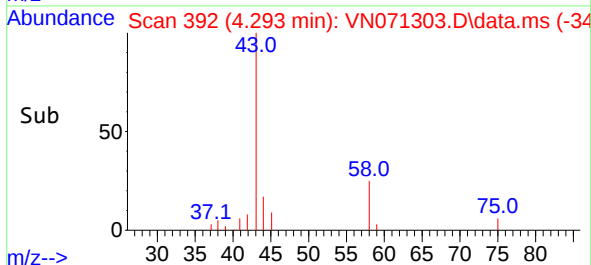
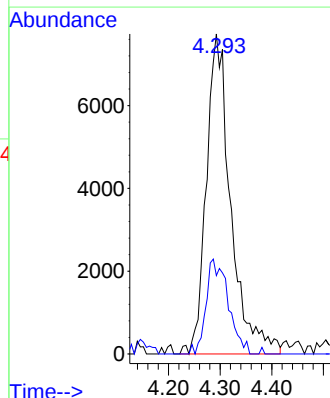
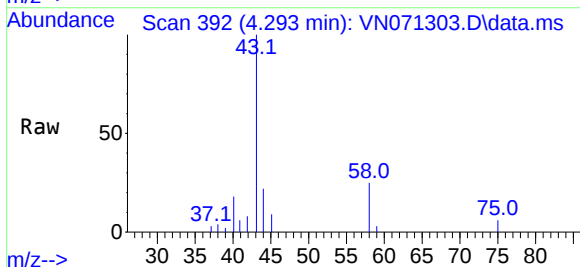
Instrument :
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ClientSampleId :
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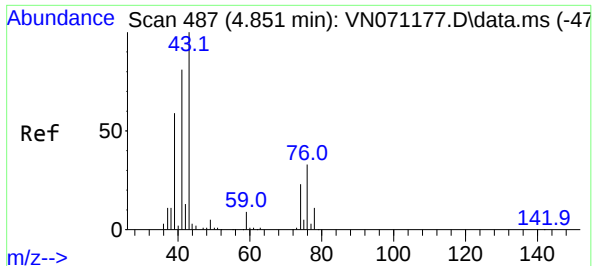
Tgt Ion: 94 Resp: 1317
Ion Ratio Lower Upper
94 100
96 69.1 73.8 110.8#



#16
Acetone
Concen: 4.992 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 43 Resp: 25351
Ion Ratio Lower Upper
43 100
58 24.5 23.1 34.7

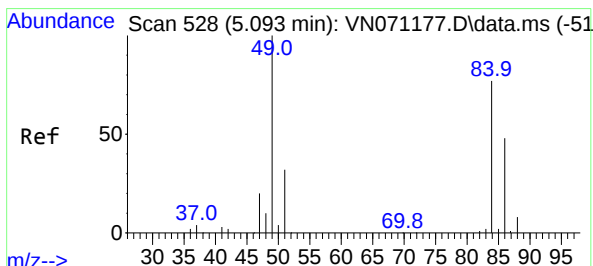
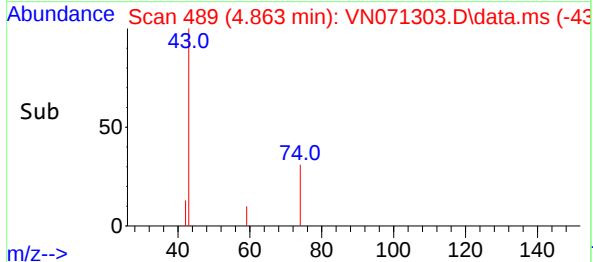
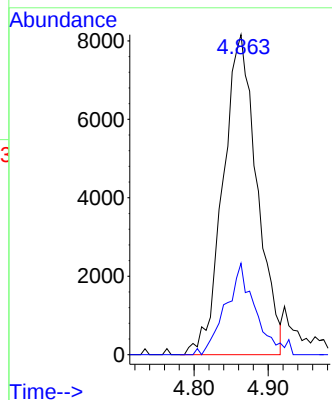
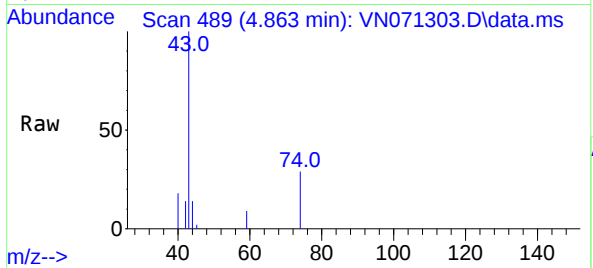




#18
Methyl Acetate
Concen: 2.353 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

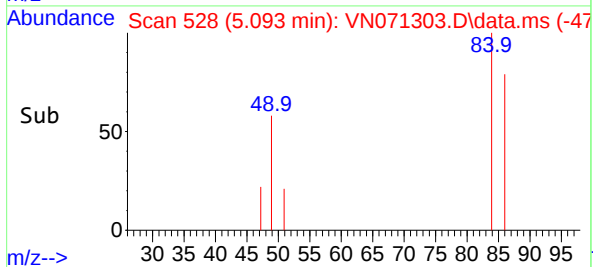
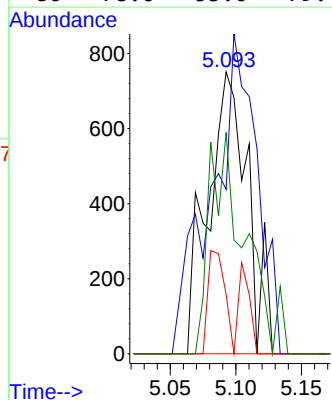
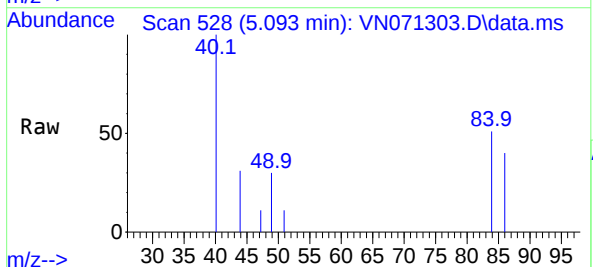
Instrument :
MSVOA_N
ClientSampleId :
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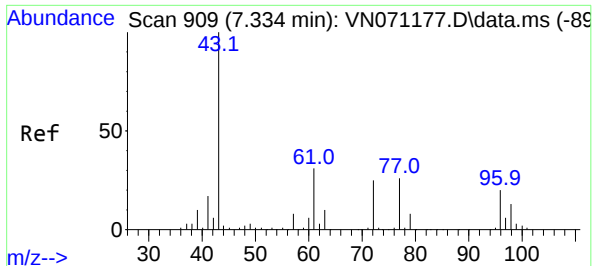
Tgt Ion: 43 Resp: 25924
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2



#20
Methylene Chloride
Concen: 0.551 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 84 Resp: 1586
Ion Ratio Lower Upper
84 100
49 58.3 93.5 140.3#
51 21.0 29.4 44.2#
86 78.6 53.0 79.4

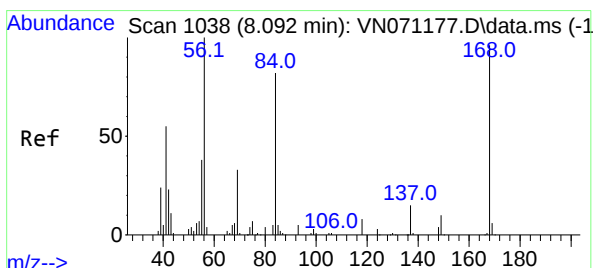
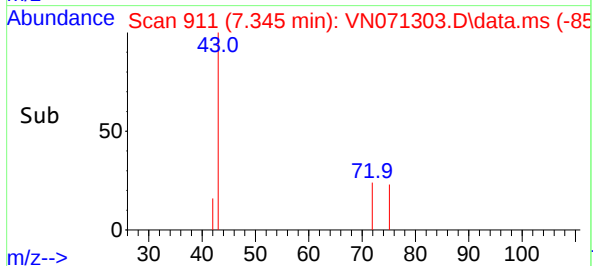
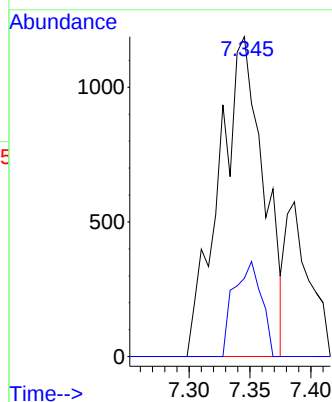
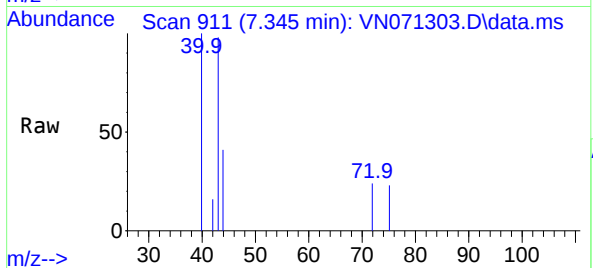




#25
2-Butanone
Concen: 0.370 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

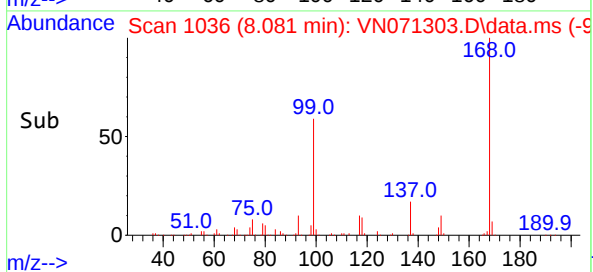
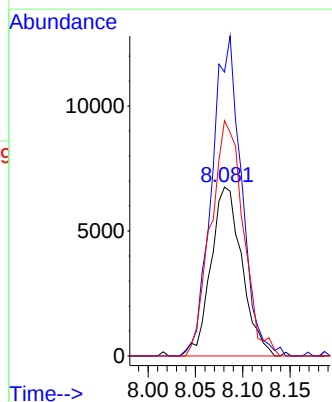
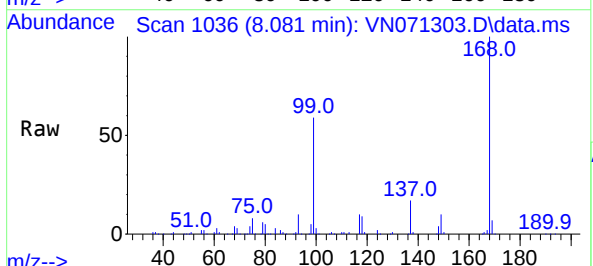
Instrument :
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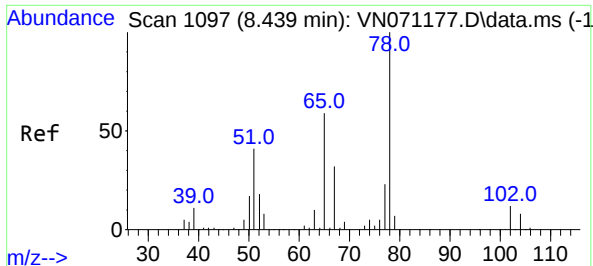
Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
72 24.5 21.7 32.5



#31
Cyclohexane
Concen: 0.926 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 56 Resp: 15432
Ion Ratio Lower Upper
56 100
69 168.2 27.1 40.7#
84 139.4 73.4 110.0#

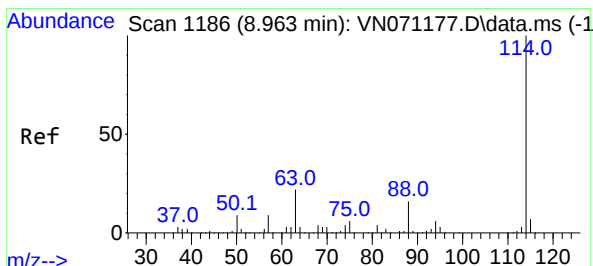
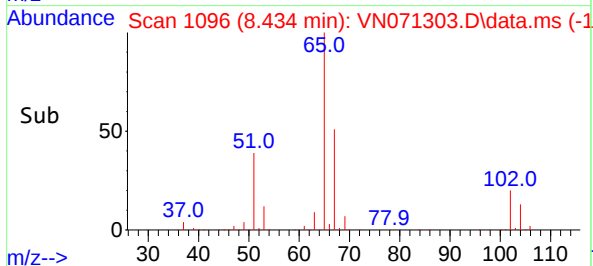
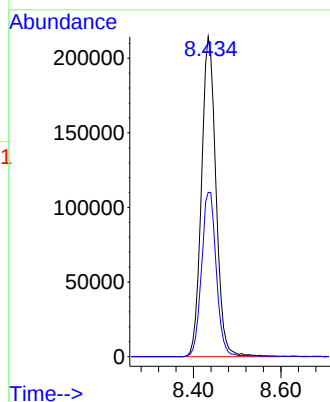
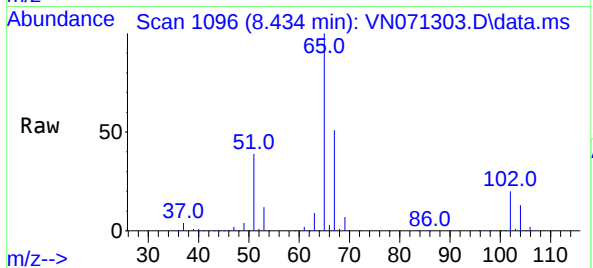




#33
1,2-Dichloroethane-d4
Concen: 47.459 ug/l
RT: 8.434 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

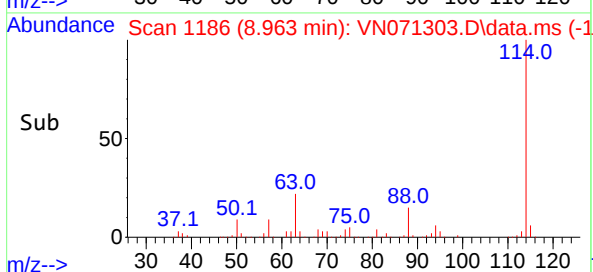
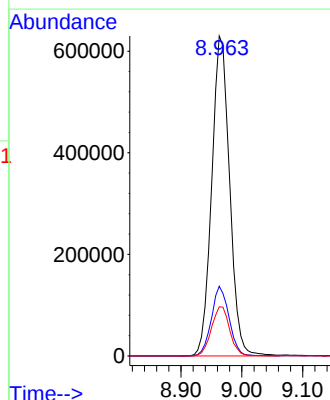
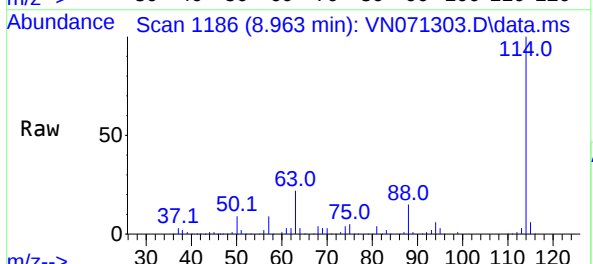
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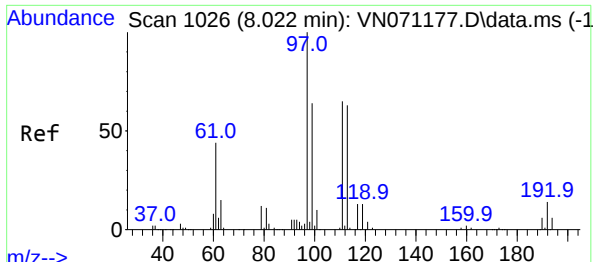
Tgt Ion: 65 Resp: 495317
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 114 Resp: 1288278
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 15.4 0.0 27.4

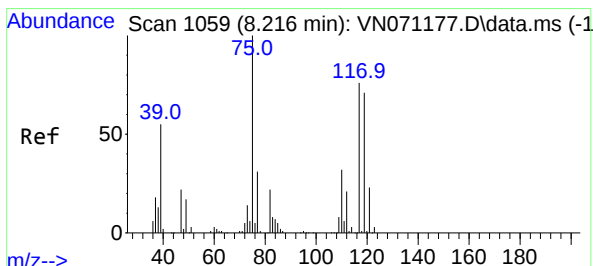
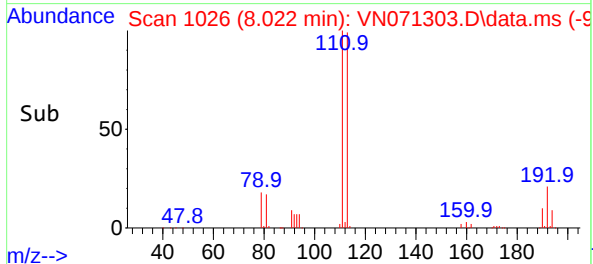
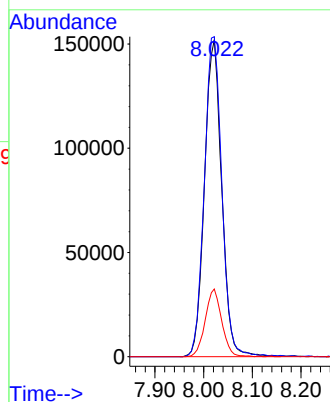
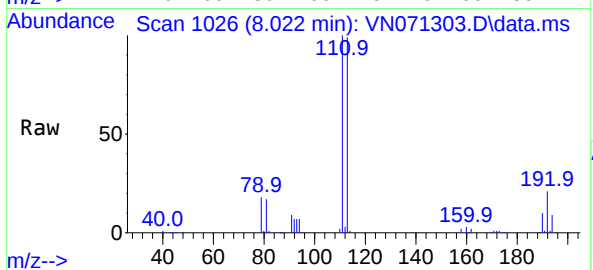




#35
Dibromofluoromethane
Concen: 45.792 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

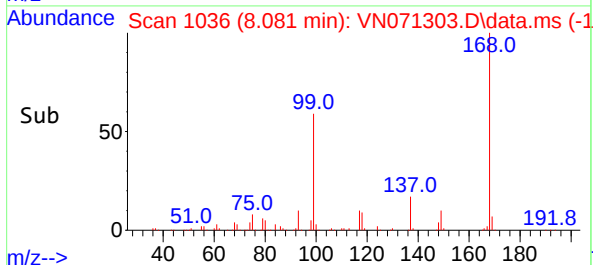
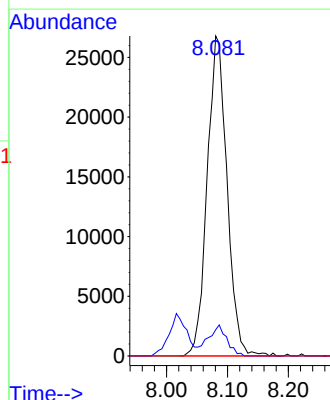
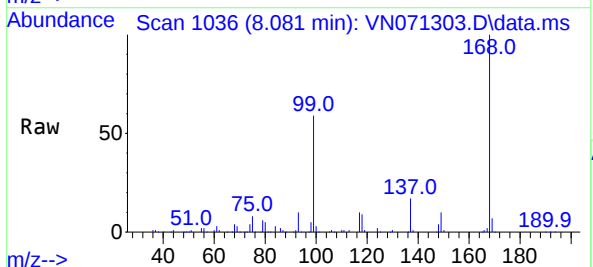
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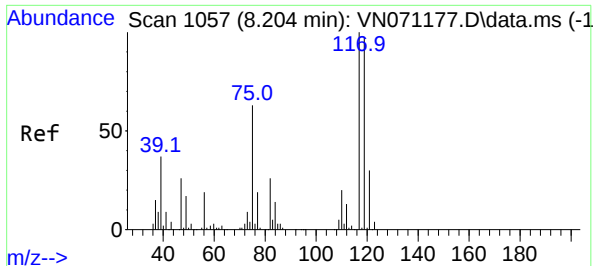
Tgt Ion:113 Resp: 372265
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 75 Resp: 60655
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

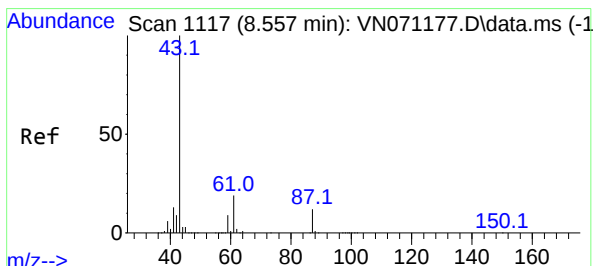
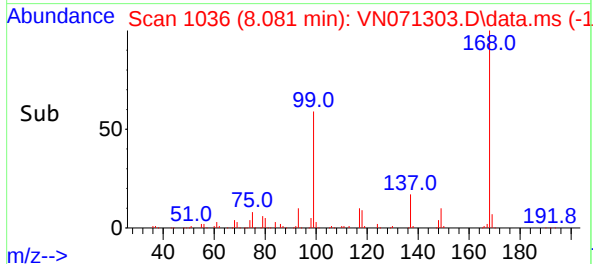
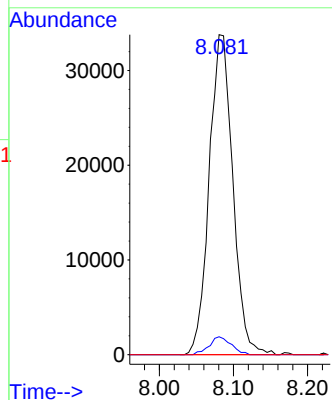
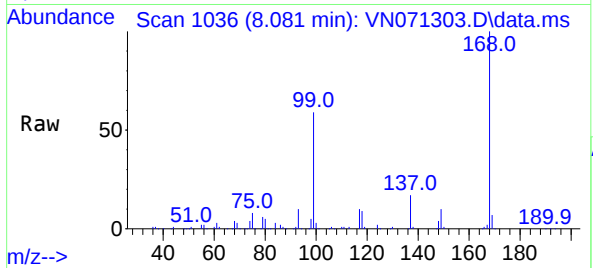




#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 8.081 min Scan# 1129
Delta R.T. -0.123 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

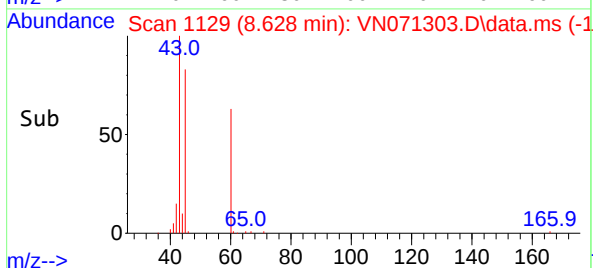
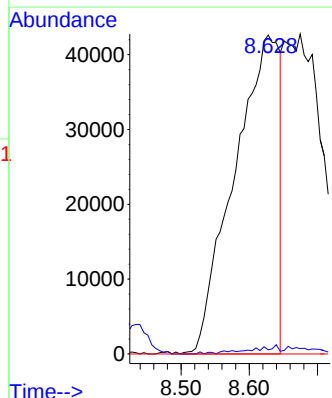
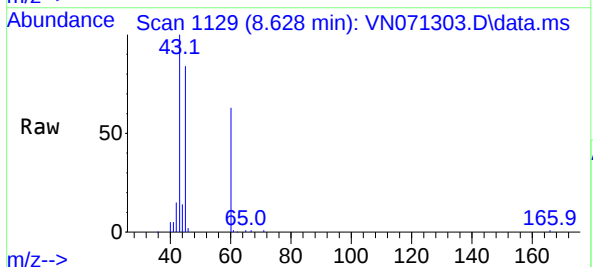
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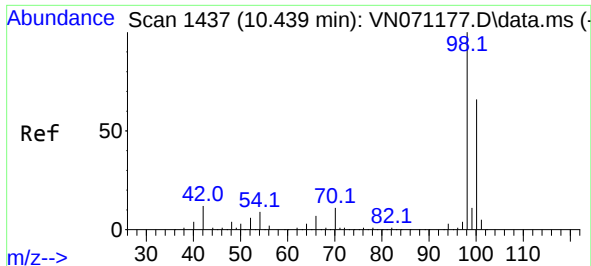
Tgt Ion:117 Resp: 74759
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 7.320 ug/l
RT: 8.628 min Scan# 1129
Delta R.T. 0.071 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 43 Resp: 196236
Ion Ratio Lower Upper
43 100
61 1.0 20.4 30.6#
87 0.0 11.2 16.8#

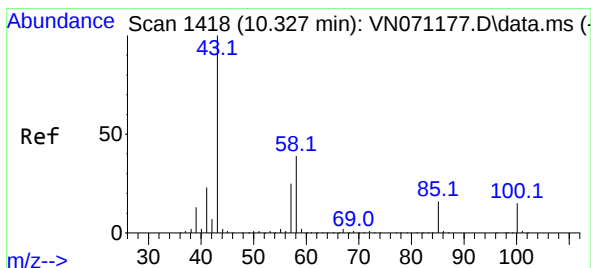
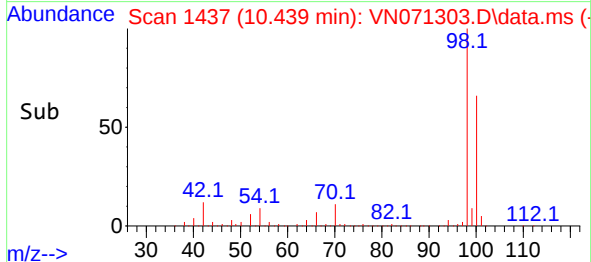
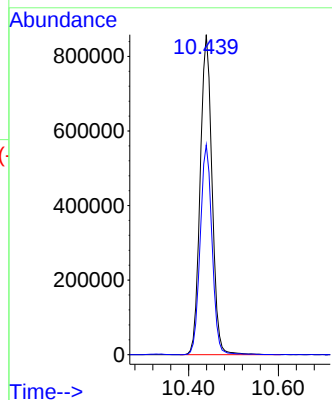
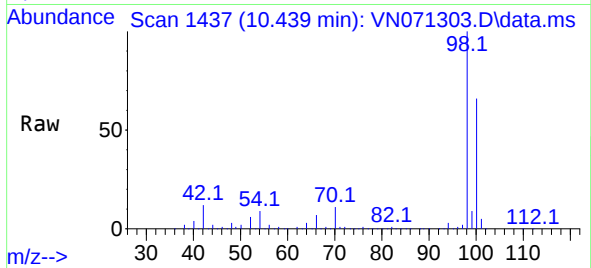




#50
Toluene-d8
Concen: 47.935 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

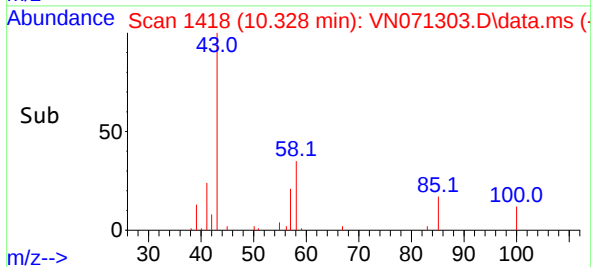
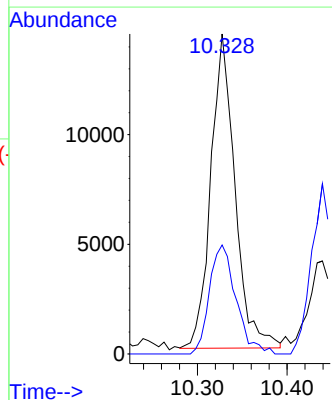
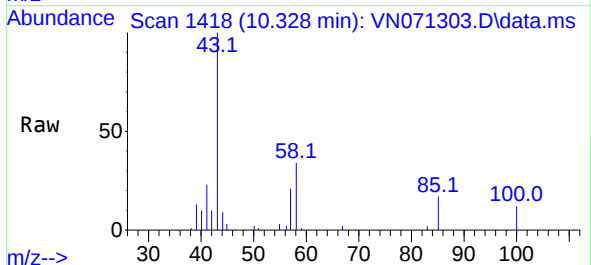
Instrument :
MSVOA_N
ClientSampleId :
30970

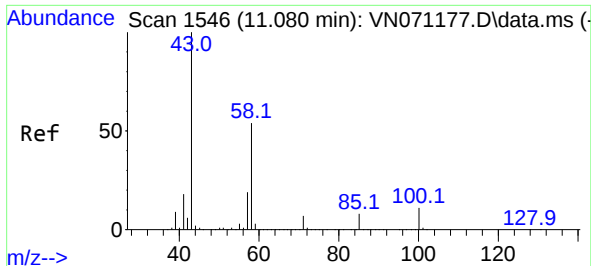
Tgt Ion: 98 Resp: 1569002
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.613 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 43 Resp: 26830
Ion Ratio Lower Upper
43 100
58 38.1 30.4 45.6





#59

2-Hexanone

Concen: 2.347 ug/l

RT: 10.939 min Scan# 11

Delta R.T. -0.141 min

Lab File: VN071303.D

Acq: 15 Mar 2022 19:40

Instrument :

MSVOA_N

ClientSampleId :

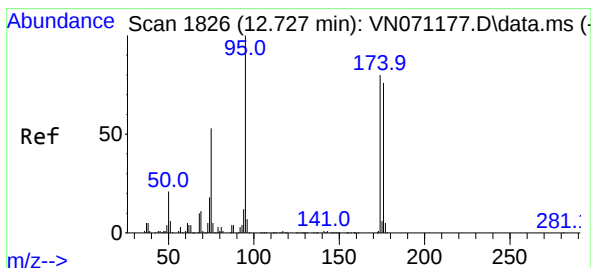
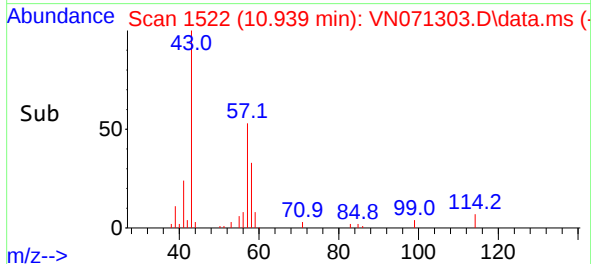
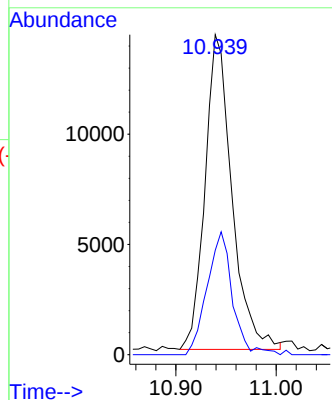
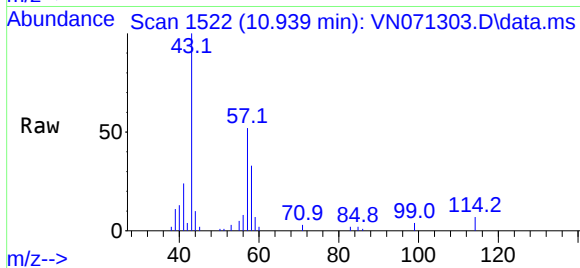
30970

Tgt Ion: 43 Resp: 26643

Ion Ratio Lower Upper

43 100

58 36.7 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 49.989 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071303.D

Acq: 15 Mar 2022 19:40

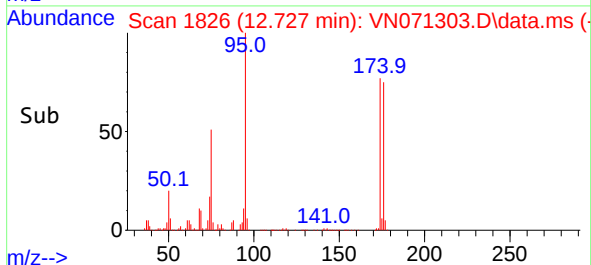
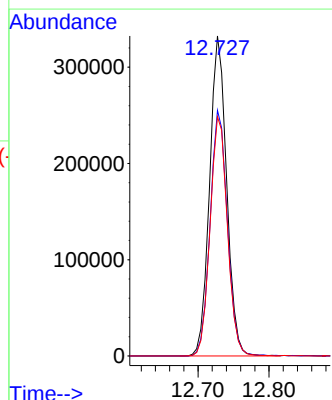
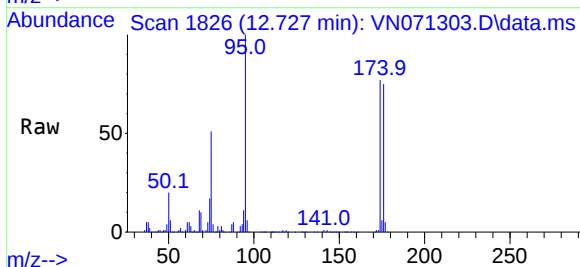
Tgt Ion: 95 Resp: 554069

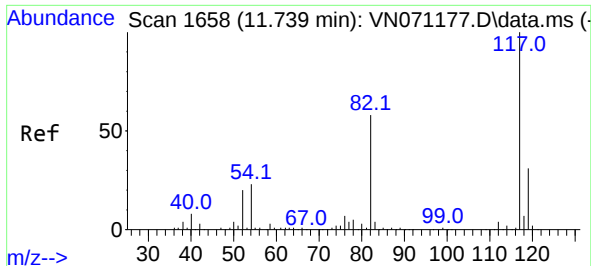
Ion Ratio Lower Upper

95 100

174 77.8 0.0 187.2

176 75.9 0.0 181.4

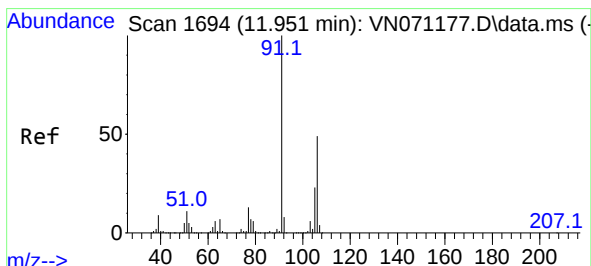
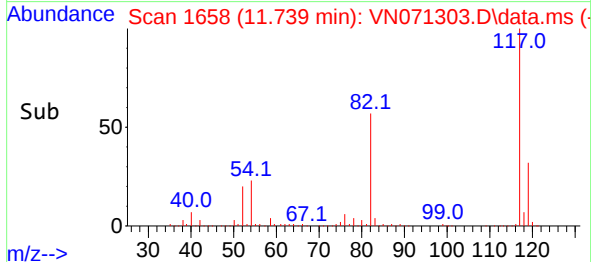
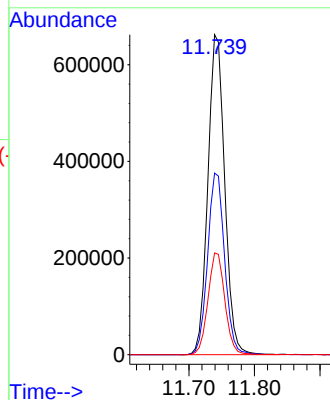
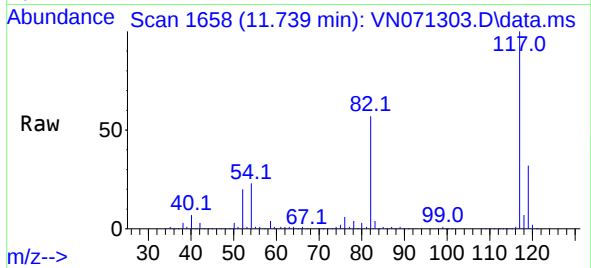




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

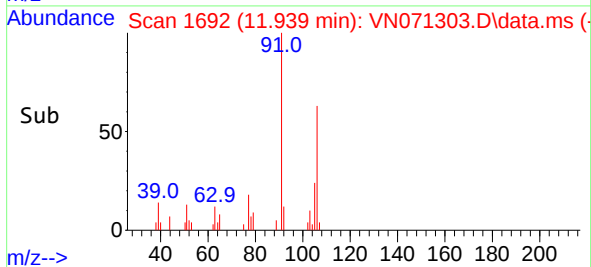
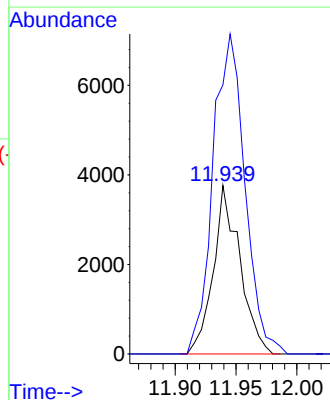
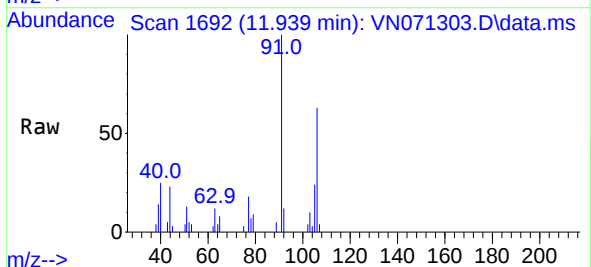
Instrument :
MSVOA_N
ClientSampleId :
30970

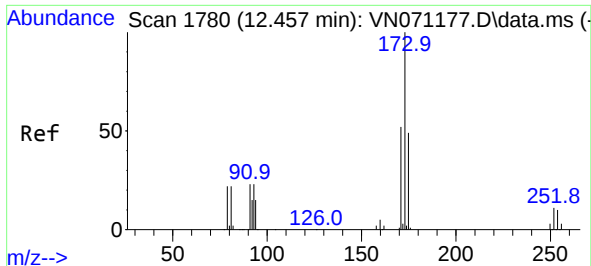
Tgt Ion:117 Resp: 1184048
Ion Ratio Lower Upper
117 100
82 56.8 42.4 63.6
119 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 0.347 ug/l
RT: 11.939 min Scan# 1692
Delta R.T. -0.012 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion:106 Resp: 5710
Ion Ratio Lower Upper
106 100
91 228.4 160.6 240.8

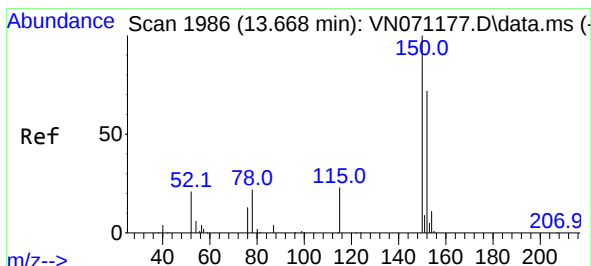
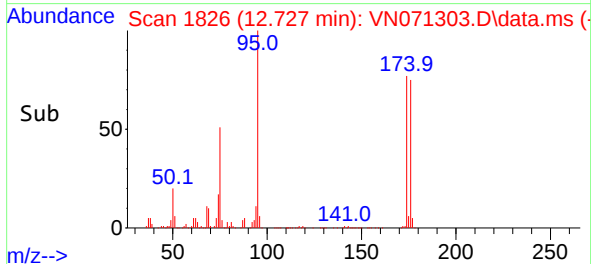
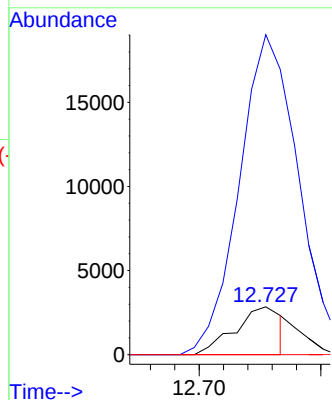
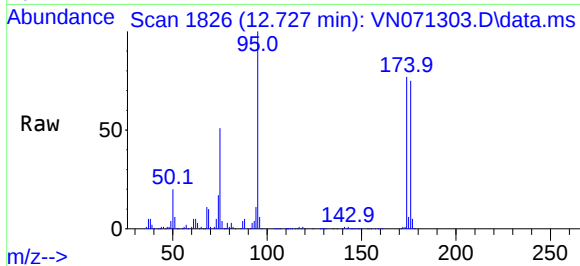




#71
Bromoform
Concen: 0.535 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

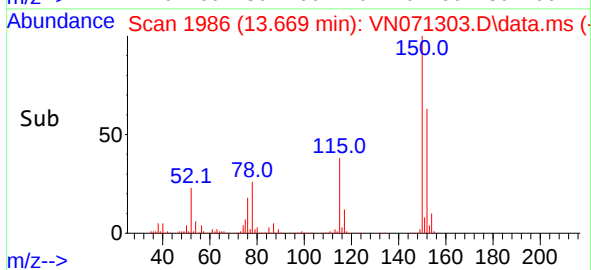
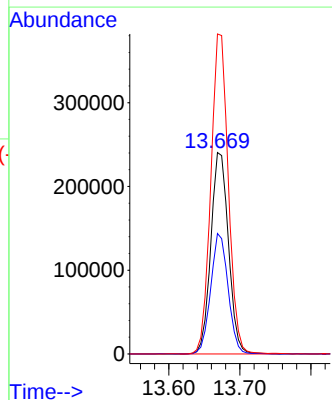
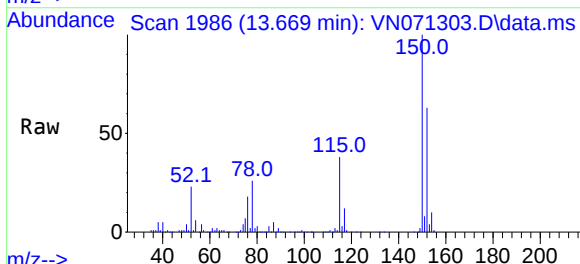
Instrument :
MSVOA_N
ClientSampleId :
30970

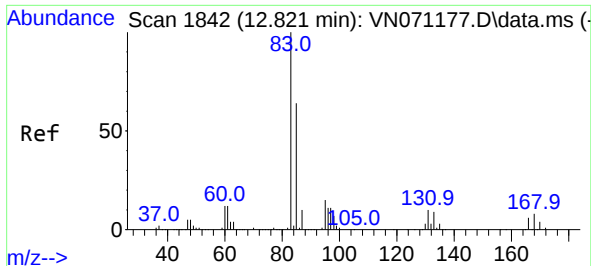
Tgt Ion:173 Resp: 3789
Ion Ratio Lower Upper
173 100
175 627.2 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion:152 Resp: 415388
Ion Ratio Lower Upper
152 100
115 59.0 27.5 82.5
150 157.1 0.0 344.4

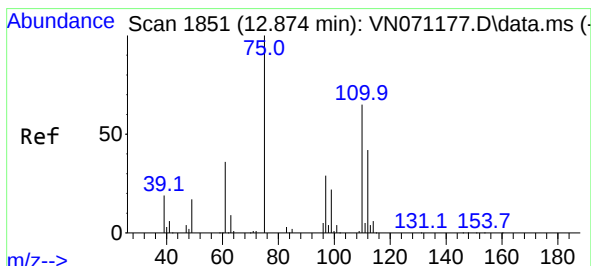
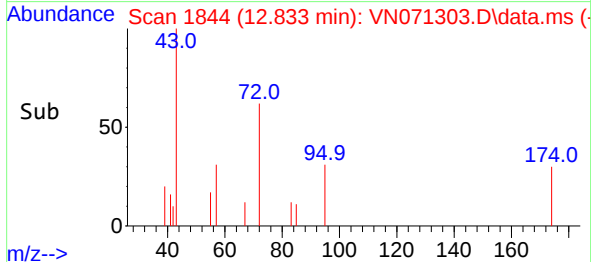
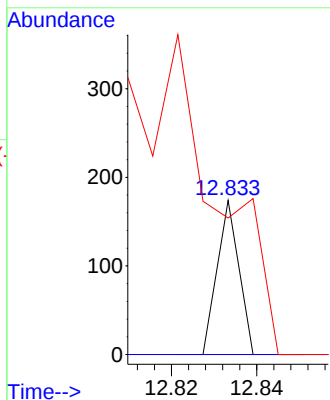
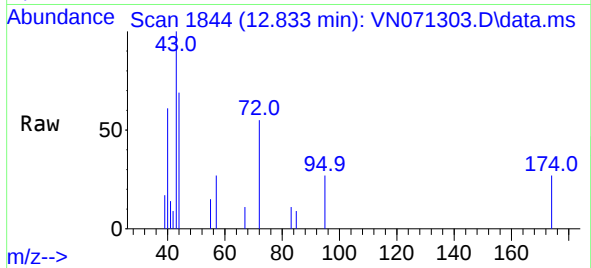




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.833 min Scan# 1844
Delta R.T. 0.012 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

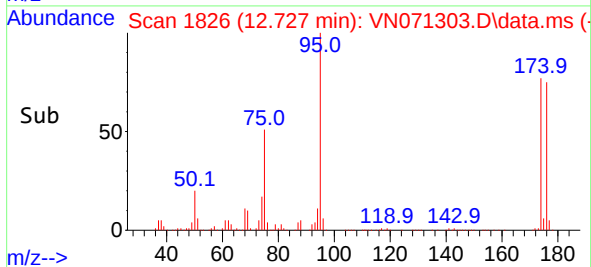
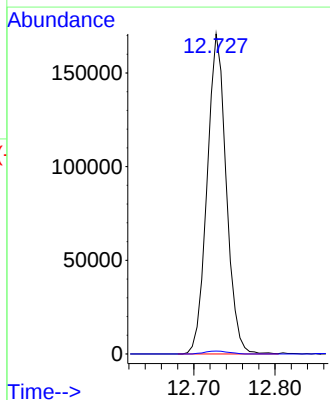
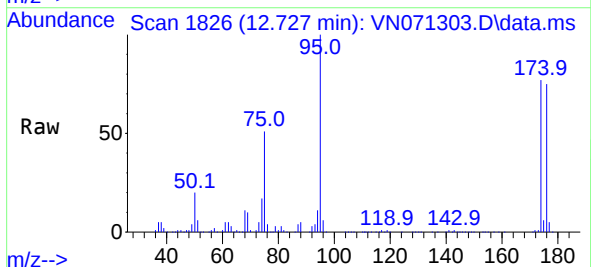
Instrument :
MSVOA_N
ClientSampleId :
30970

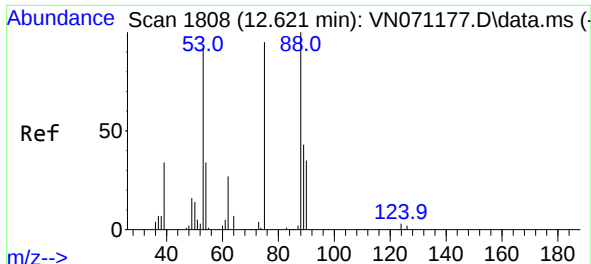
Tgt Ion: 83 Resp: 61
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 811.5 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.409 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Tgt Ion: 75 Resp: 279285
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

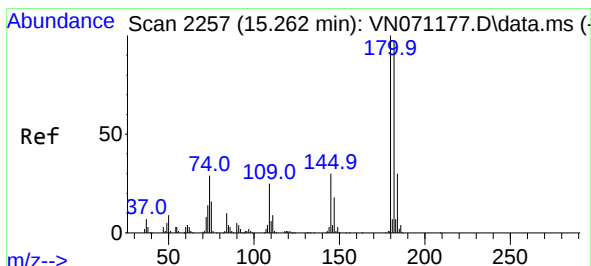
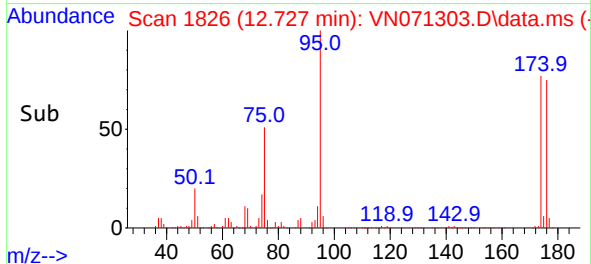
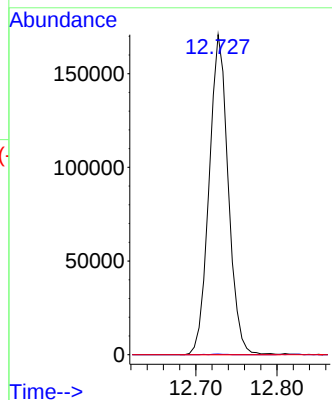
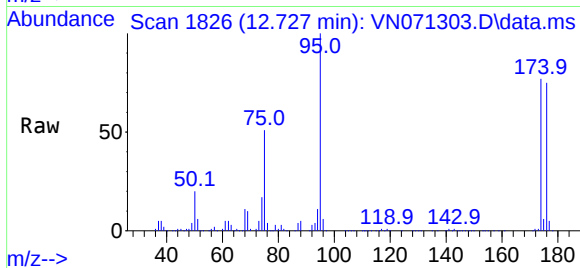




#81
trans-1,4-Dichloro-2-butene
Concen: 72.680 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

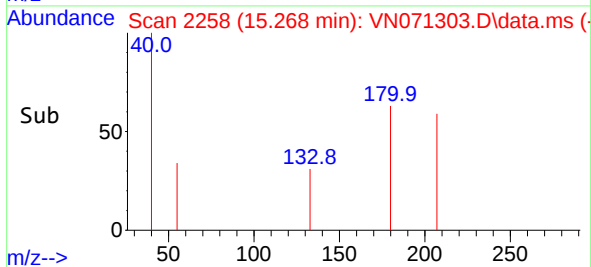
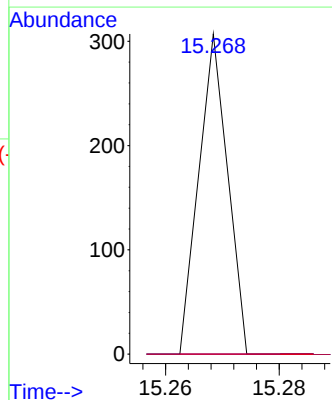
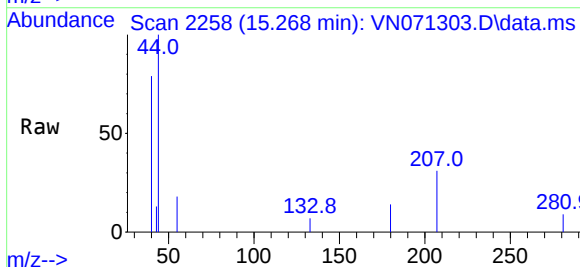
Instrument :
MSVOA_N
ClientSampleId :
30970

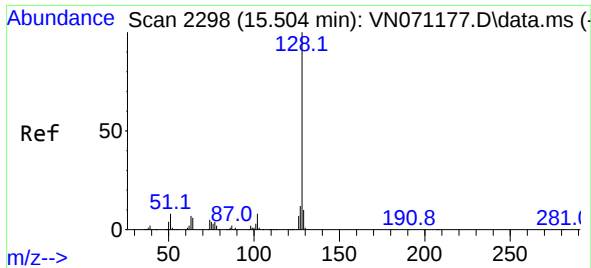
Tgt Ion: 75 Resp: 279285
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.004 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

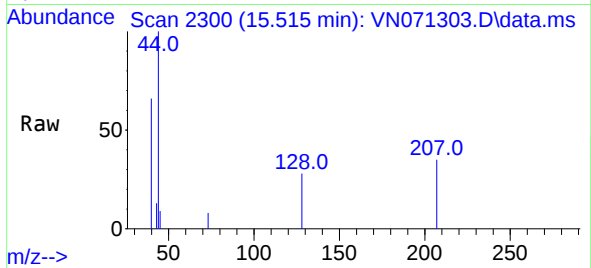
Tgt Ion:180 Resp: 108
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 5.106 ug/l
RT: 15.515 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071303.D
Acq: 15 Mar 2022 19:40

Instrument :
MSVOA_N
ClientSampleId :
30970



Tgt Ion:128 Resp: 804
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

