

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071333.D
 Acq On : 16 Mar 2022 20:25
 Operator : JC\MD
 Sample : N1957-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 17 05:21:28 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)

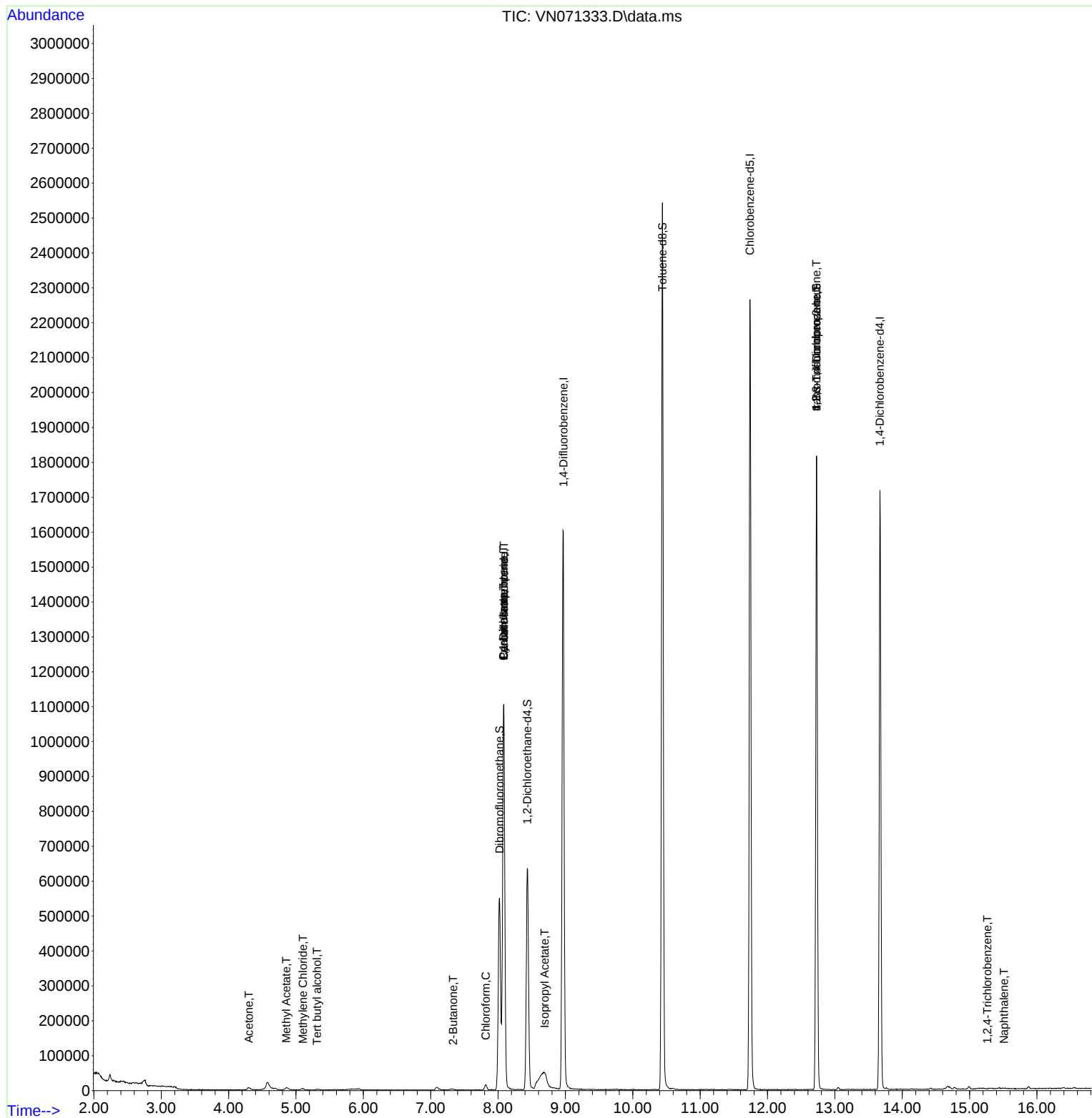
Internal Standards						
1) Pentafluorobenzene	8.086	168	856292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1407647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1311833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	470175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	535762	45.652	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.300%		
35) Dibromofluoromethane	8.022	113	408220	45.957	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.920%		
50) Toluene-d8	10.439	98	1715851	47.976	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.960%		
62) 4-Bromofluorobenzene	12.727	95	629250	51.958	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.920%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.851	94	677	Below Cal		83
11) Tert butyl alcohol	5.310	59	1435	0.622 ug/l #		71
16) Acetone	4.298	43	8679	1.520 ug/l		100
18) Methyl Acetate	4.857	43	14828	1.428 ug/l #		85
20) Methylene Chloride	5.104	84	3187	0.685 ug/l		91
25) 2-Butanone	7.334	43	1892	0.206 ug/l #		48
30) Chloroform	7.816	83	15136	0.816 ug/l		93
31) Cyclohexane	8.081	56	18417	0.983 ug/l #		7
36) 1,1-Dichloropropene	8.081	75	67146	4.718 ug/l #		48
38) Carbon Tetrachloride	8.086	117	82387	5.985 ug/l #		17
43) Isopropyl Acetate	8.692	43	151279	5.165 ug/l #		56
75) 1,1,2,2-Tetrachloroethane	12.721	83	457	Below Cal #		1
76) 1,2,3-Trichloropropane	12.727	75	322311	26.985 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.727	75	322311	74.104 ug/l #		5
93) 1,2,4-Trichlorobenzene	15.262	180	119	3.004 ug/l #		12
95) Naphthalene	15.509	128	683	5.096 ug/l #		69

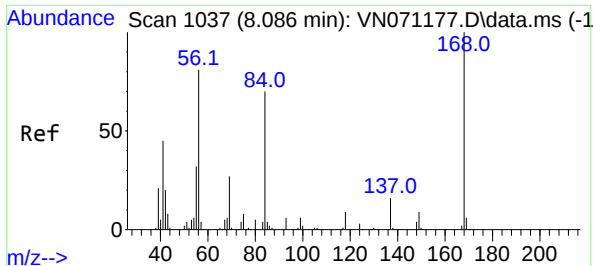
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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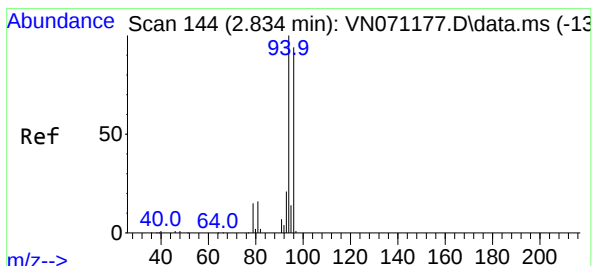
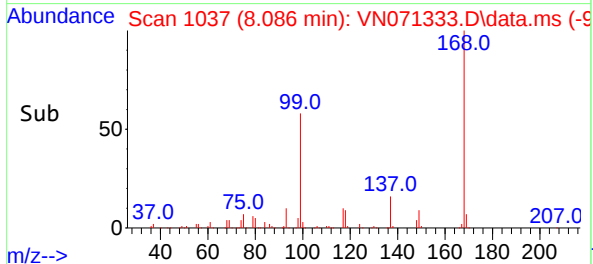
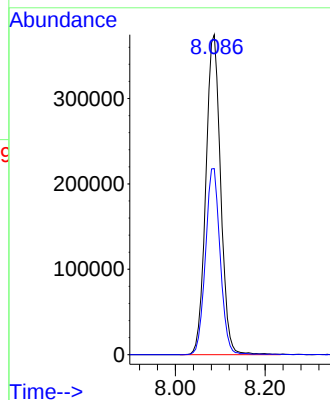
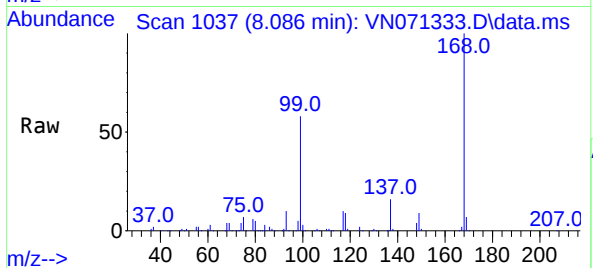




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

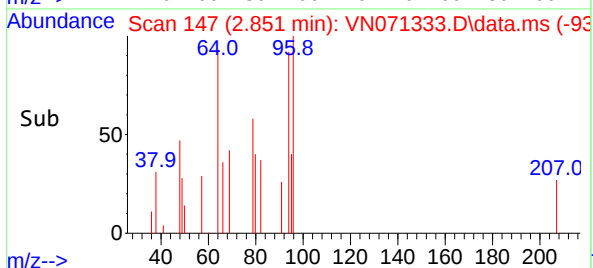
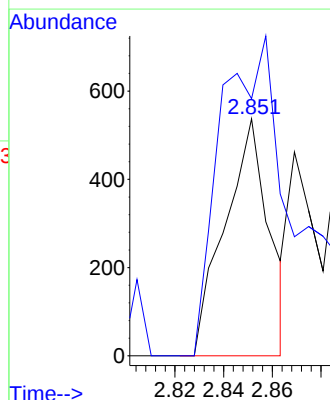
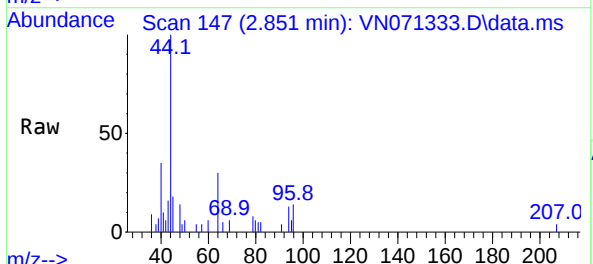
Instrument :
MSVOA_N
ClientSampleId :
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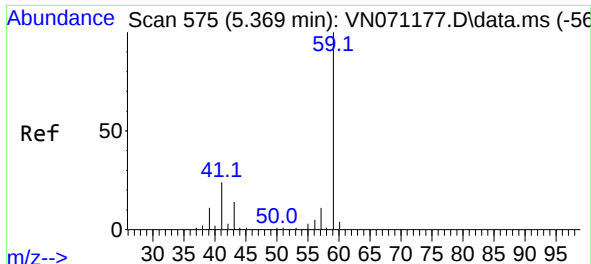
Tgt Ion:168 Resp: 856292
Ion Ratio Lower Upper
168 100
99 58.1 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.851 min Scan# 147
Delta R.T. 0.017 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

Tgt Ion: 94 Resp: 677
Ion Ratio Lower Upper
94 100
96 108.6 73.8 110.8





#11

Tert butyl alcohol

Concen: 0.622 ug/l

RT: 5.310 min Scan# 5

Delta R.T. -0.059 min

Lab File: VN071333.D

Acq: 16 Mar 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

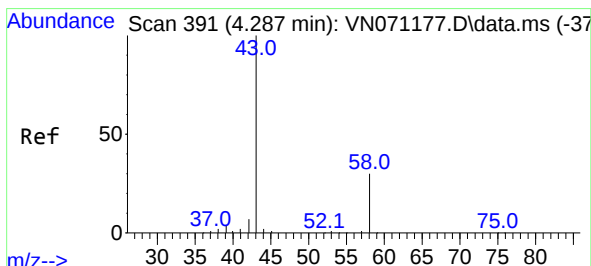
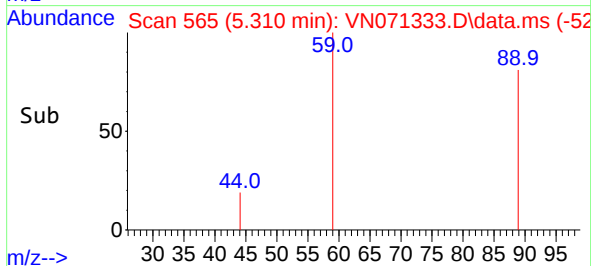
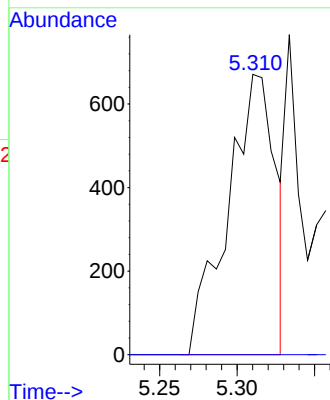
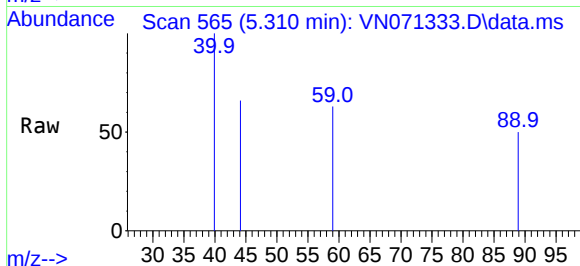
TRIP-BLANK

Tgt Ion: 59 Resp: 1435

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 1.520 ug/l

RT: 4.298 min Scan# 393

Delta R.T. 0.012 min

Lab File: VN071333.D

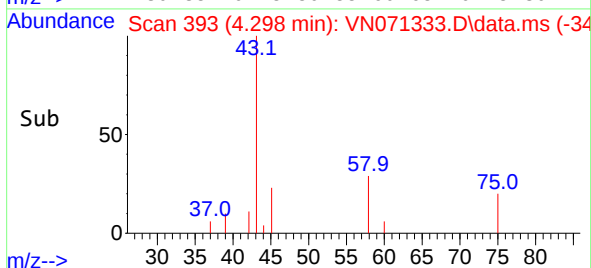
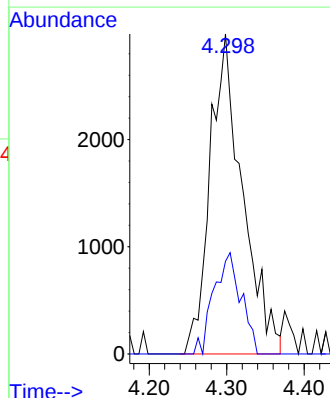
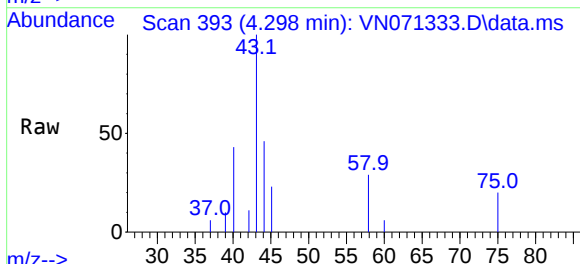
Acq: 16 Mar 2022 20:25

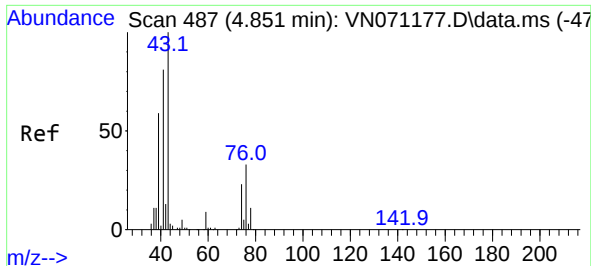
Tgt Ion: 43 Resp: 8679

Ion Ratio Lower Upper

43 100

58 28.9 23.1 34.7

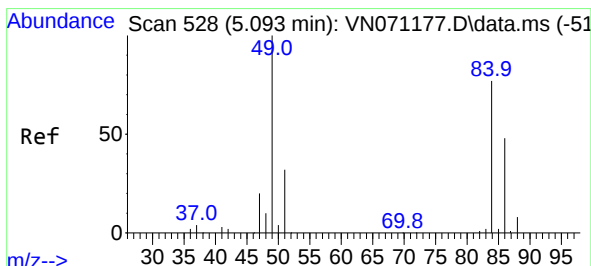
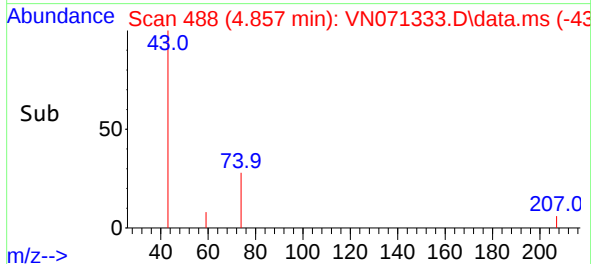
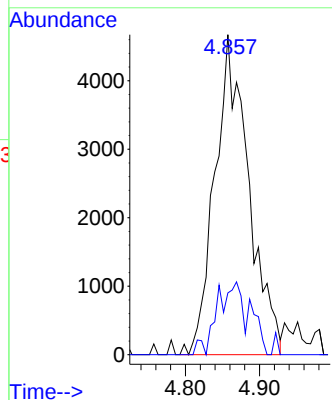
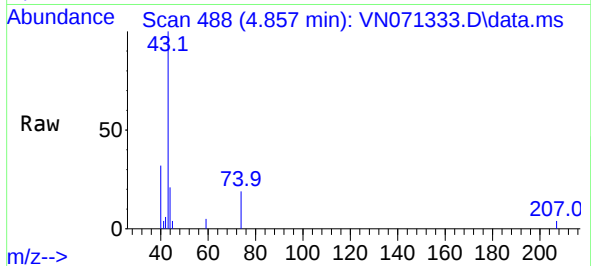




#18
Methyl Acetate
Concen: 1.428 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

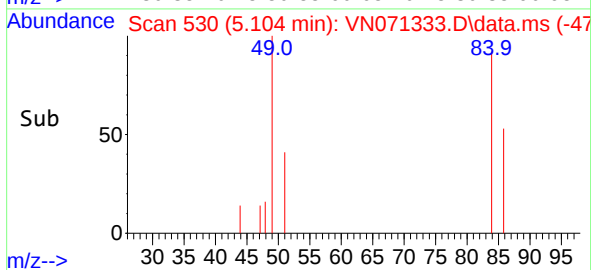
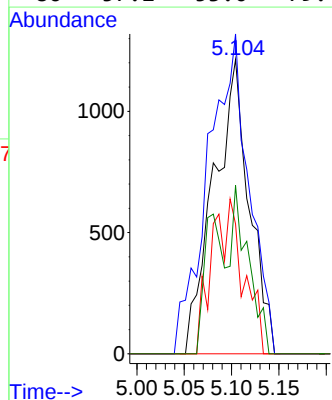
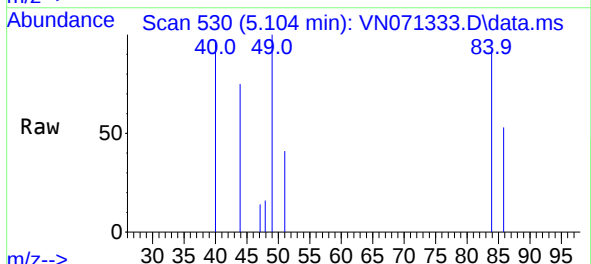
Instrument :
MSVOA_N
ClientSampleId :
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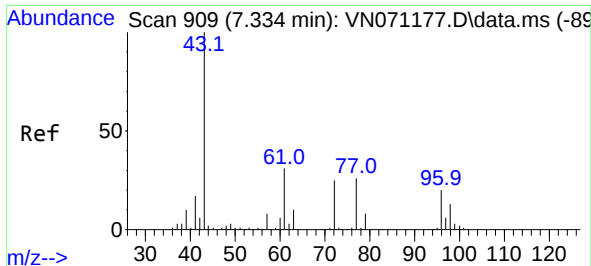
Tgt Ion: 43 Resp: 14828
Ion Ratio Lower Upper
43 100
74 16.7 19.4 29.2#



#20
Methylene Chloride
Concen: 0.685 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

Tgt Ion: 84 Resp: 3187
Ion Ratio Lower Upper
84 100
49 108.6 93.5 140.3
51 44.1 29.4 44.2
86 57.2 53.0 79.4

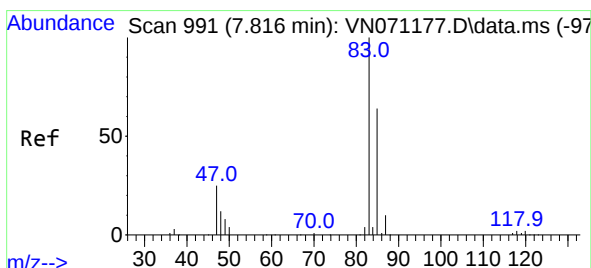
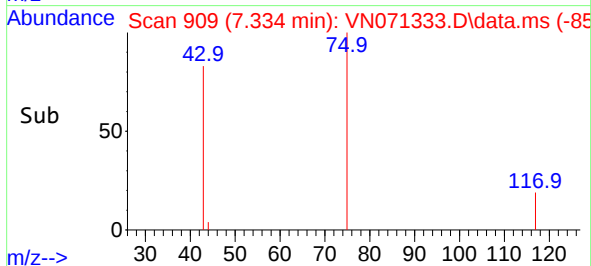
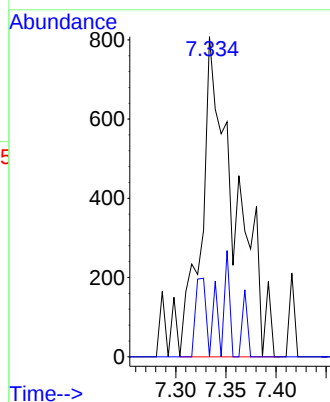
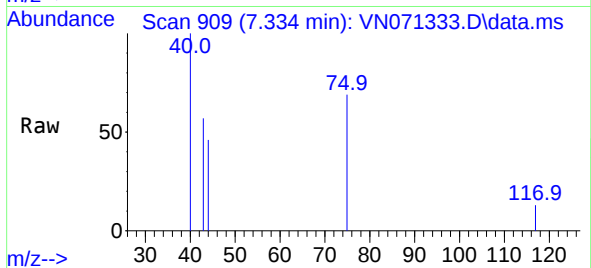




#25
2-Butanone
Concen: 0.206 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

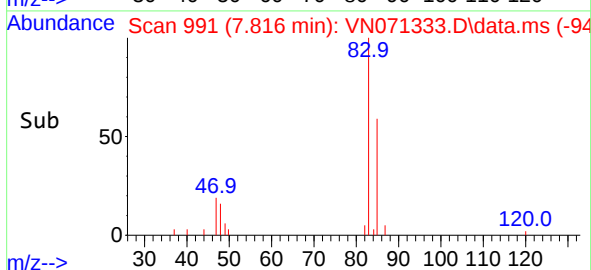
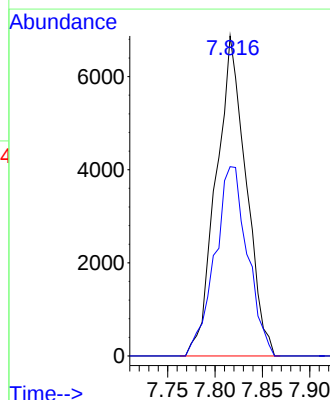
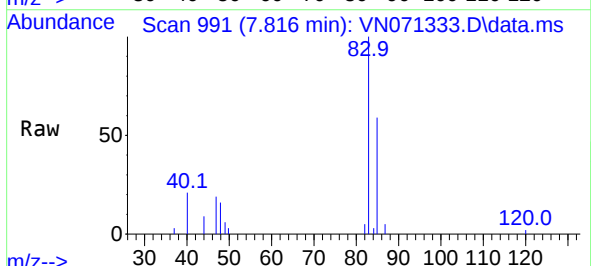
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

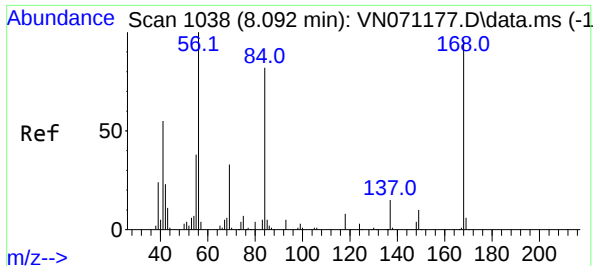
Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#30
Chloroform
Concen: 0.816 ug/l
RT: 7.816 min Scan# 991
Delta R.T. -0.000 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

Tgt Ion: 83 Resp: 15136
Ion Ratio Lower Upper
83 100
85 59.2 51.9 77.9

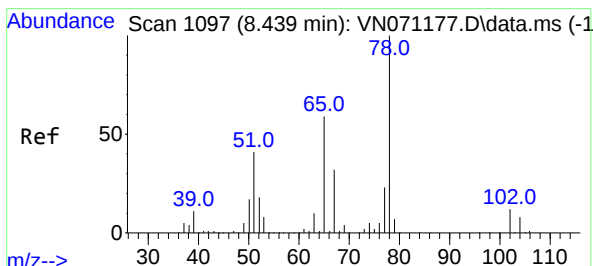
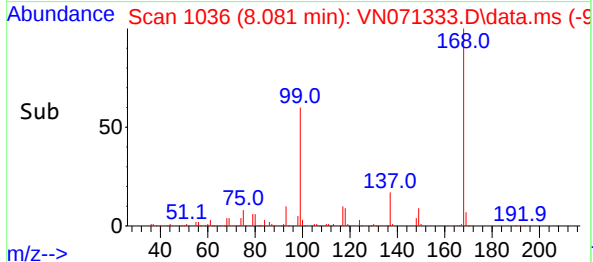
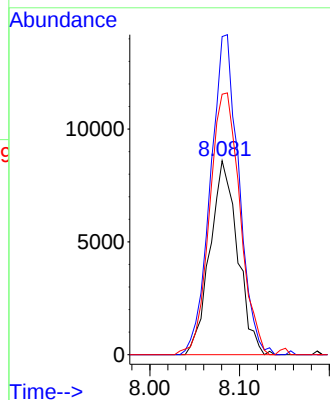
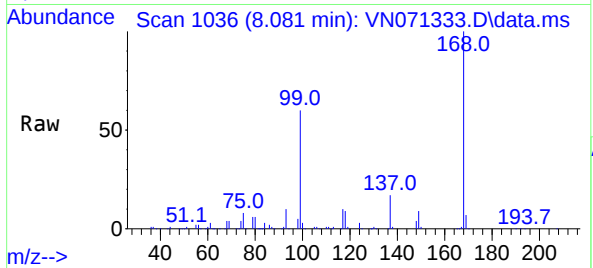




#31
Cyclohexane
Concen: 0.983 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

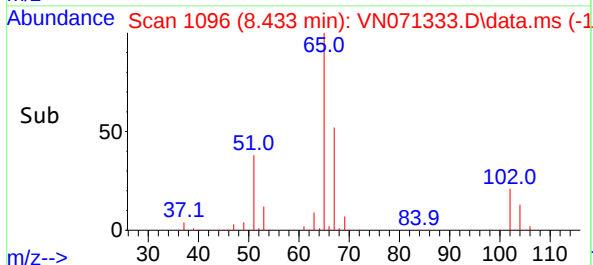
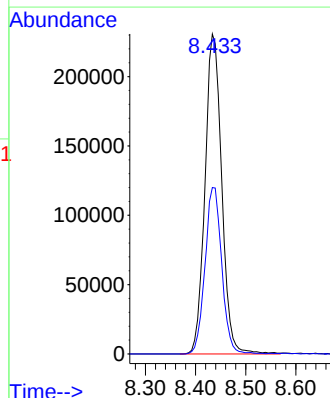
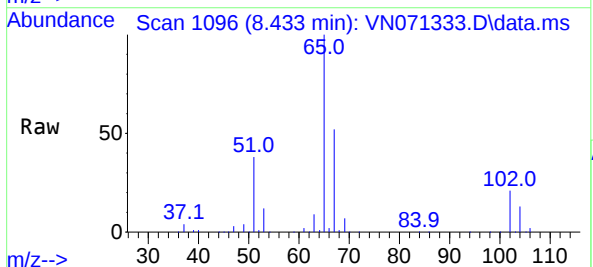
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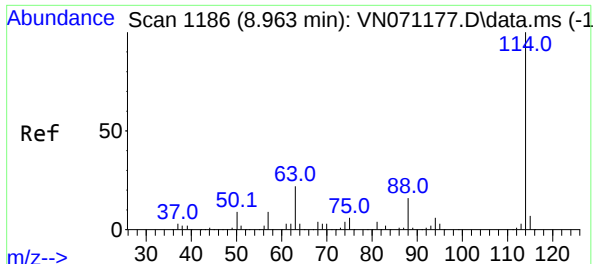
Tgt Ion: 56 Resp: 18417
Ion Ratio Lower Upper
56 100
69 164.1 27.1 40.7#
84 132.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 45.652 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

Tgt Ion: 65 Resp: 535762
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071333.D

Acq: 16 Mar 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

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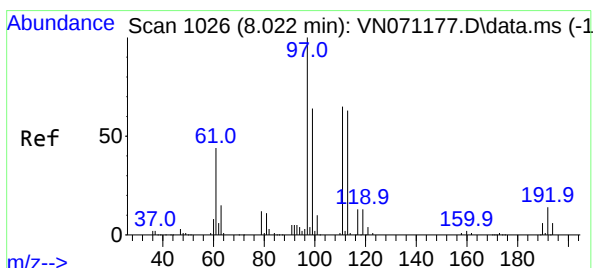
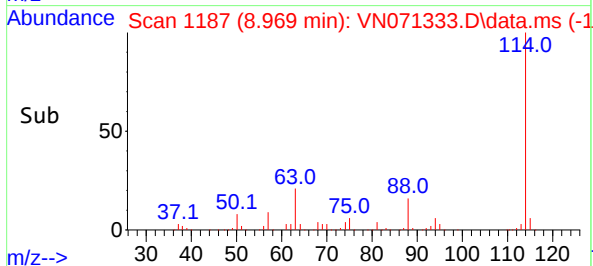
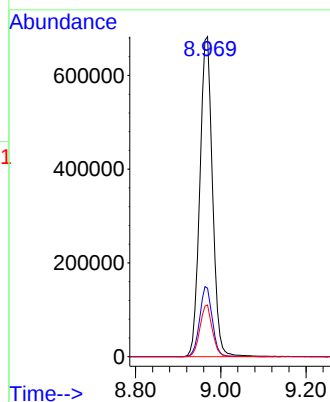
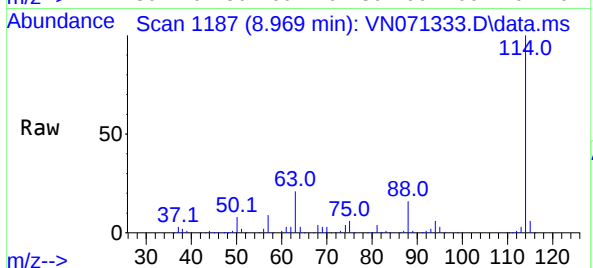
Tgt Ion:114 Resp: 1407647

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.957 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN071333.D

Acq: 16 Mar 2022 20:25

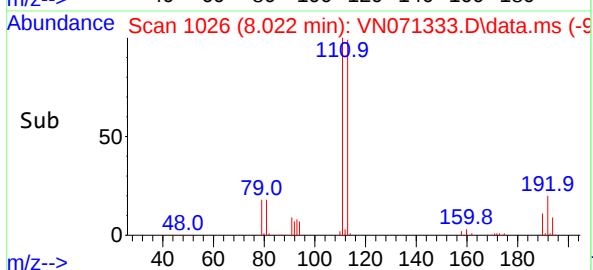
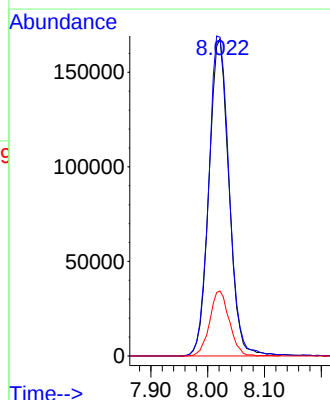
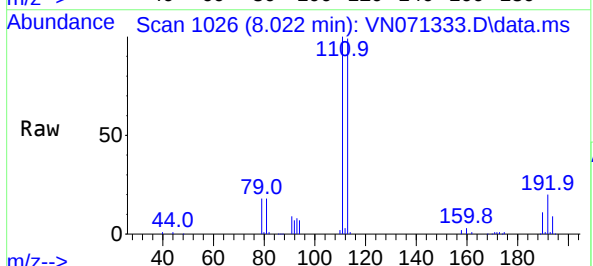
Tgt Ion:113 Resp: 408220

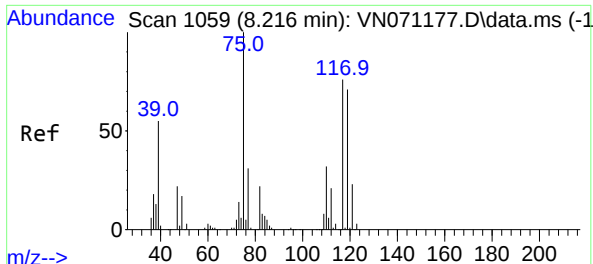
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 20.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071333.D

Acq: 16 Mar 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

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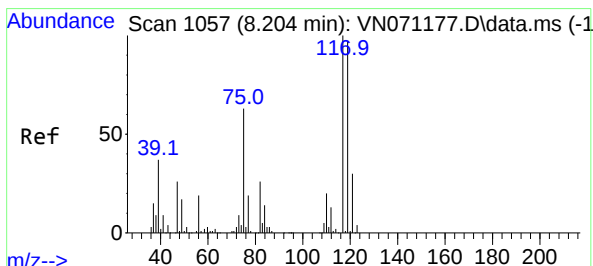
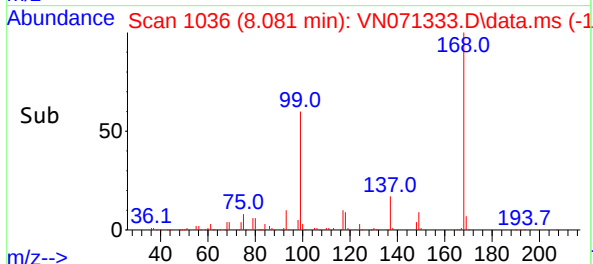
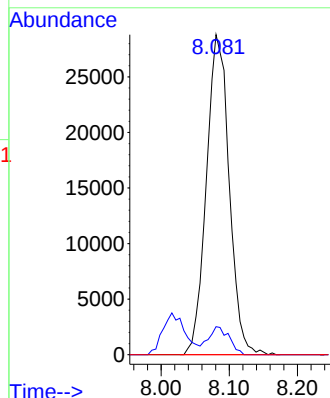
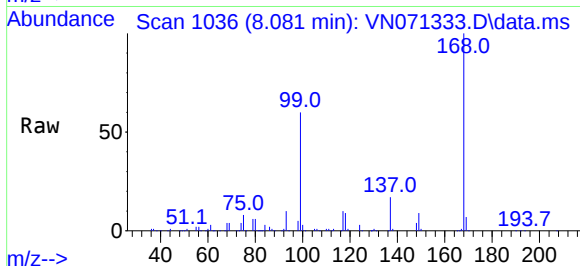
Tgt Ion: 75 Resp: 67146

Ion Ratio Lower Upper

75 100

110 7.9 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.985 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071333.D

Acq: 16 Mar 2022 20:25

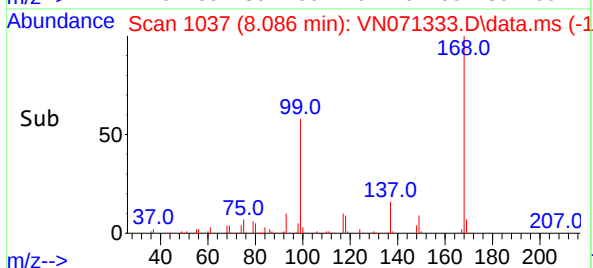
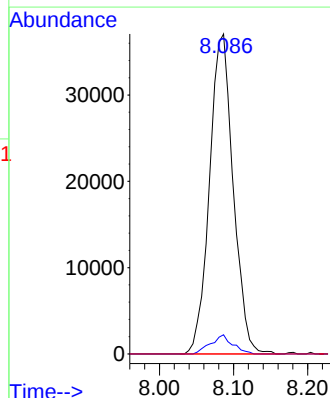
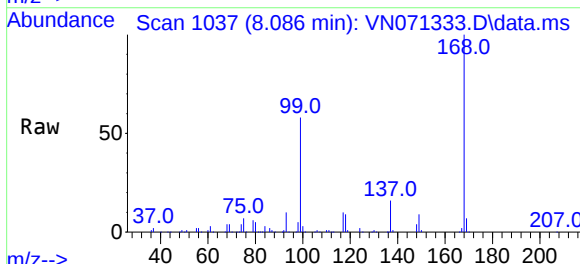
Tgt Ion: 117 Resp: 82387

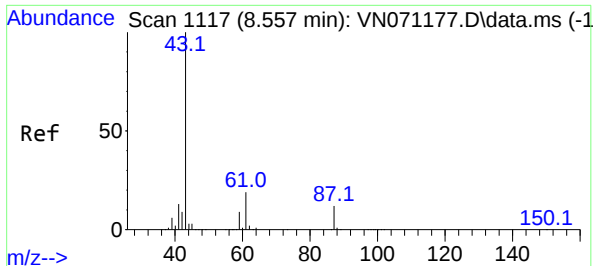
Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

121 0.0 24.2 36.2#

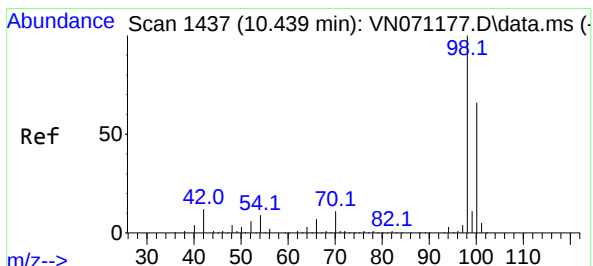
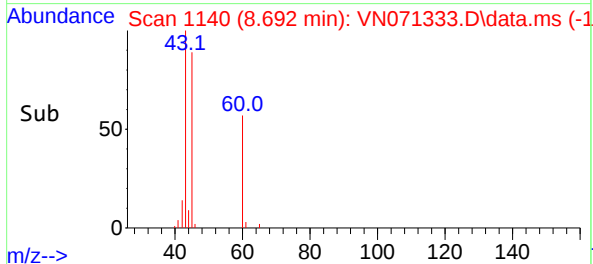
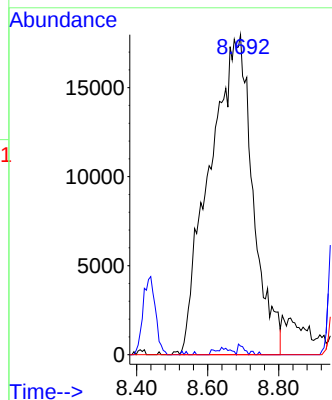
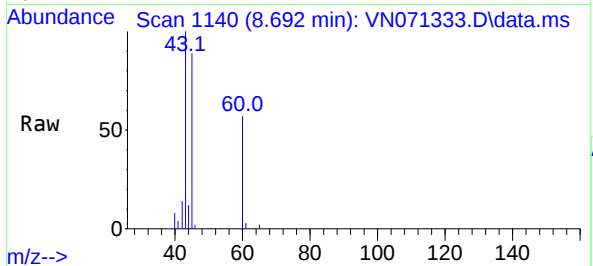




#43
Isopropyl Acetate
Concen: 5.165 ug/l
RT: 8.692 min Scan# 1117
Delta R.T. 0.135 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

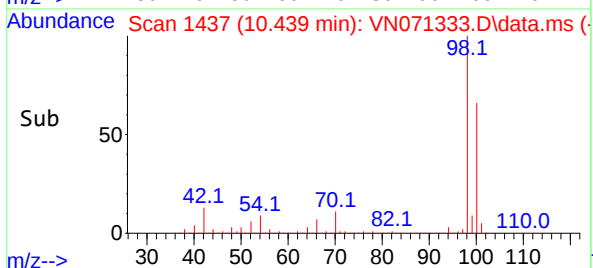
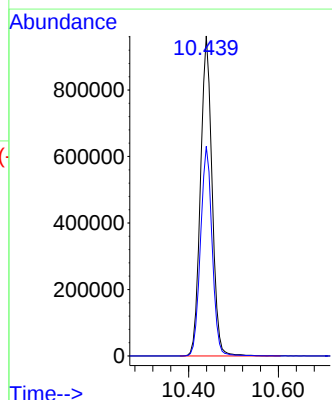
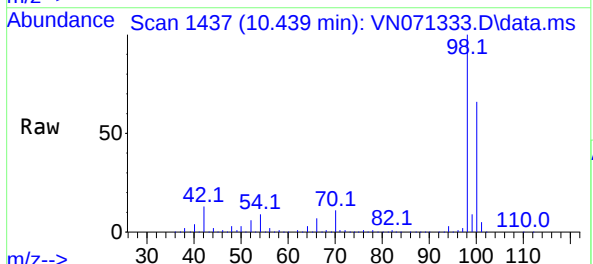
Instrument :
MSVOA_N
ClientSampleId :
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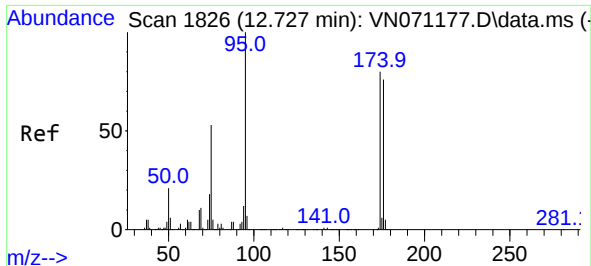
Tgt Ion: 43 Resp: 151279
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 47.976 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

Tgt Ion: 98 Resp: 1715851
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6

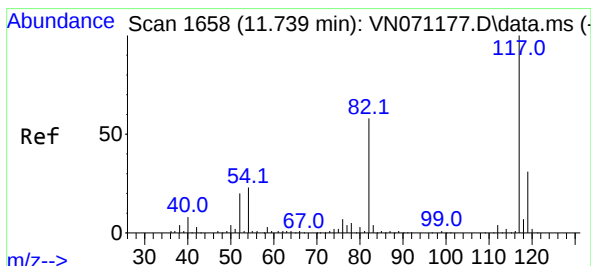
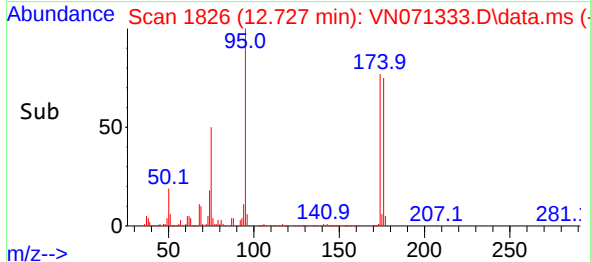
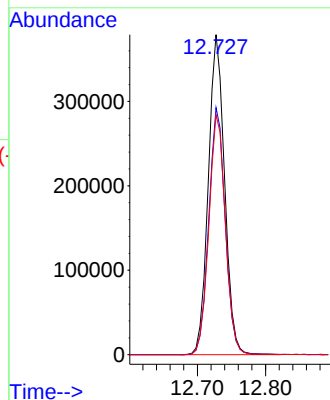
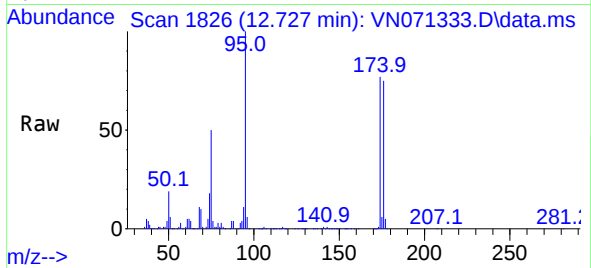




#62
4-Bromofluorobenzene
Concen: 51.958 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

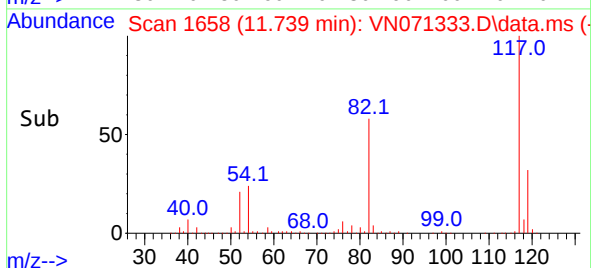
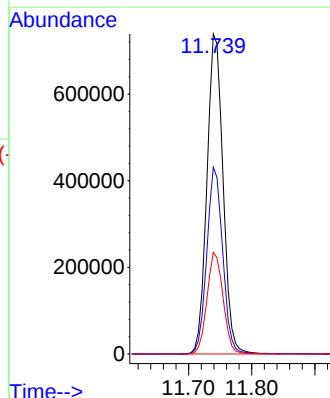
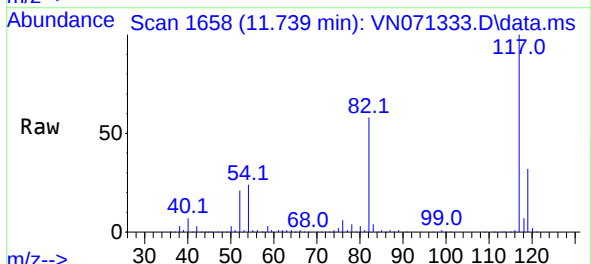
Instrument :
MSVOA_N
ClientSampleId :
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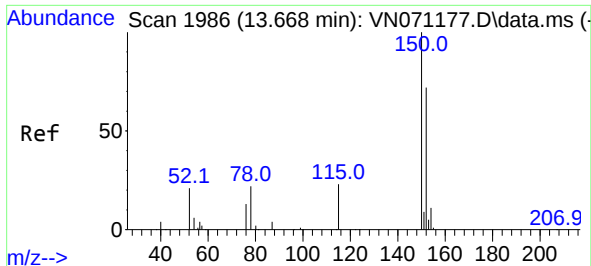
Tgt Ion: 95 Resp: 629250
Ion Ratio Lower Upper
95 100
174 78.2 0.0 187.2
176 76.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

Tgt Ion: 117 Resp: 1311833
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 31.8 25.4 38.2

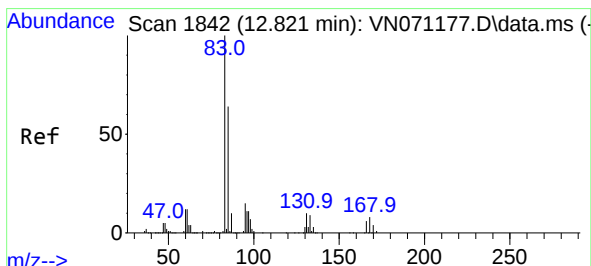
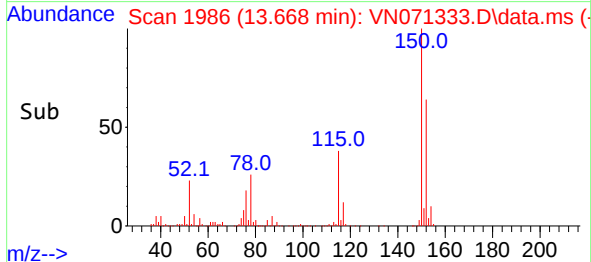
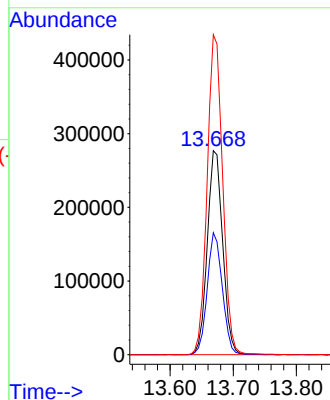
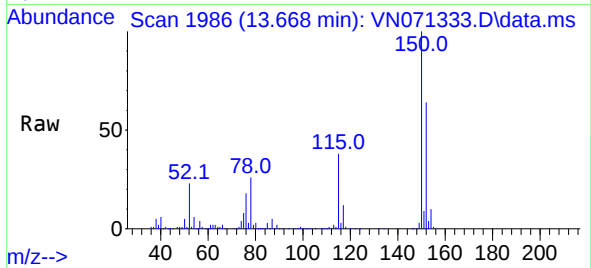




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071333.D
 Acq: 16 Mar 2022 20:25

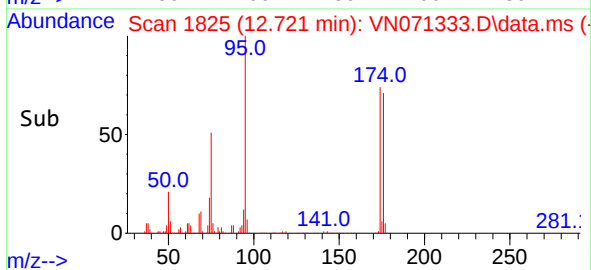
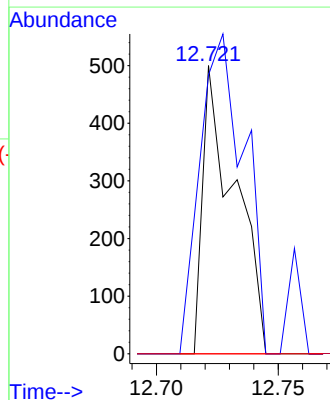
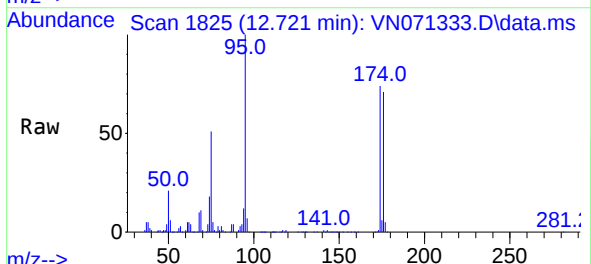
Instrument :
 MSVOA_N
 ClientSampleId :
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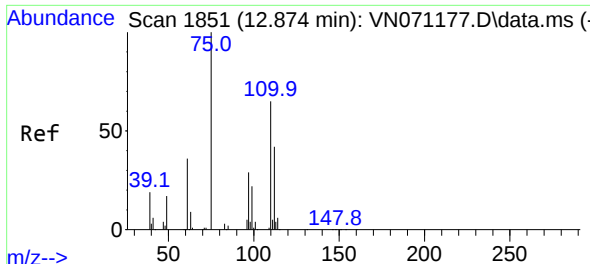
Tgt Ion:152 Resp: 470175
 Ion Ratio Lower Upper
 152 100
 115 58.6 27.5 82.5
 150 157.5 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.721 min Scan# 1825
 Delta R.T. -0.100 min
 Lab File: VN071333.D
 Acq: 16 Mar 2022 20:25

Tgt Ion: 83 Resp: 457
 Ion Ratio Lower Upper
 83 100
 131 153.6 5.5 16.5#
 85 0.0 32.4 97.2#

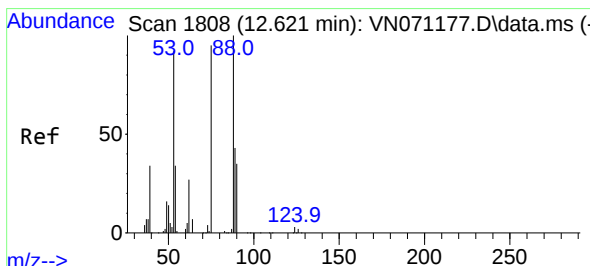
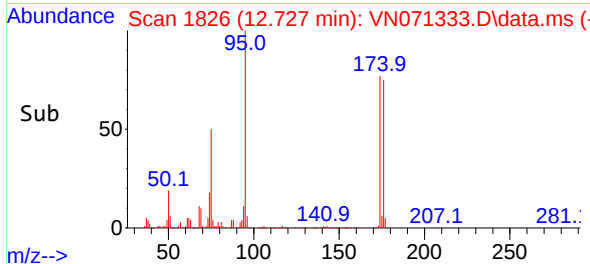
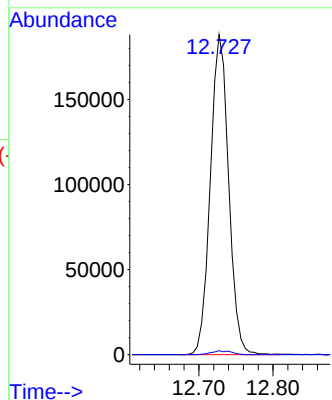
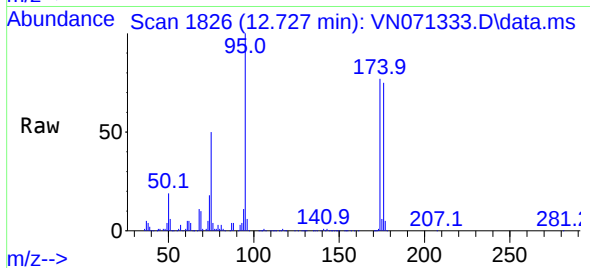




#76
1,2,3-Trichloropropane
Concen: 26.985 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

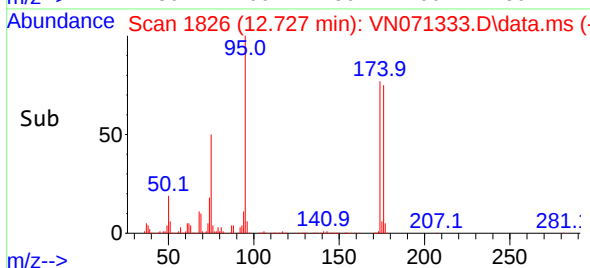
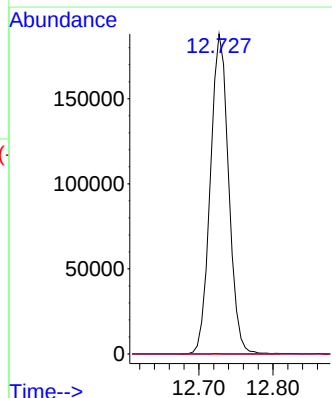
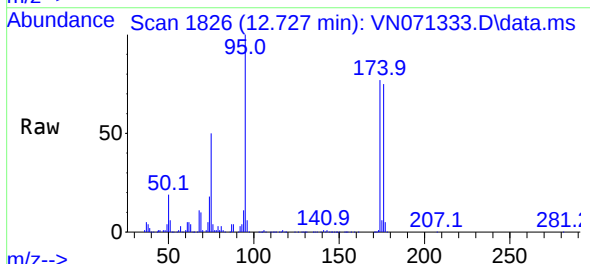
Instrument :
MSVOA_N
ClientSampleId :
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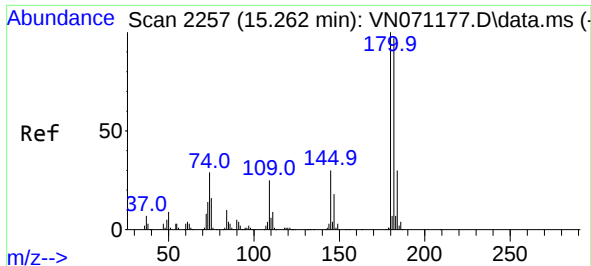
Tgt Ion: 75 Resp: 322311
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.104 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071333.D
Acq: 16 Mar 2022 20:25

Tgt Ion: 75 Resp: 322311
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: 15.262 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN071333.D

Acq: 16 Mar 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

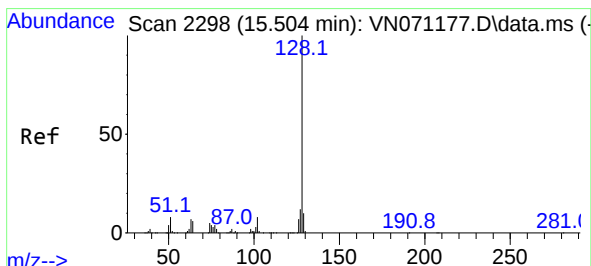
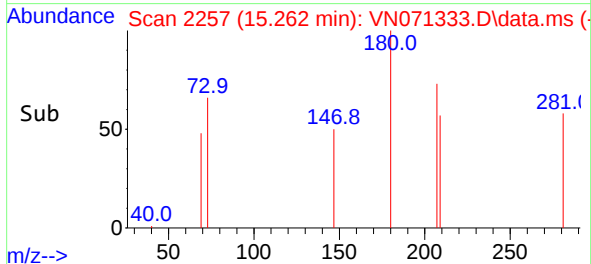
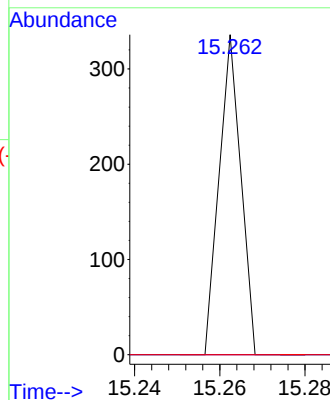
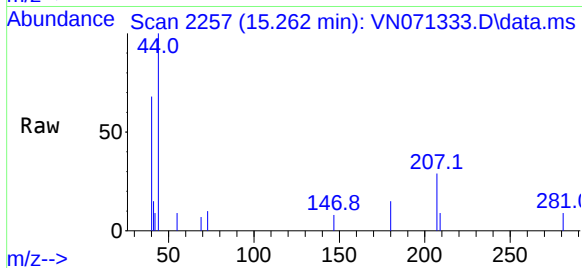
Tgt Ion:180 Resp: 119

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 5.096 ug/l

RT: 15.509 min Scan# 2299

Delta R.T. 0.005 min

Lab File: VN071333.D

Acq: 16 Mar 2022 20:25

Tgt Ion:128 Resp: 683

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

