

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071373.D
 Acq On : 18 Mar 2022 15:30
 Operator : JC\MD
 Sample : N1960-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:07:55 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)

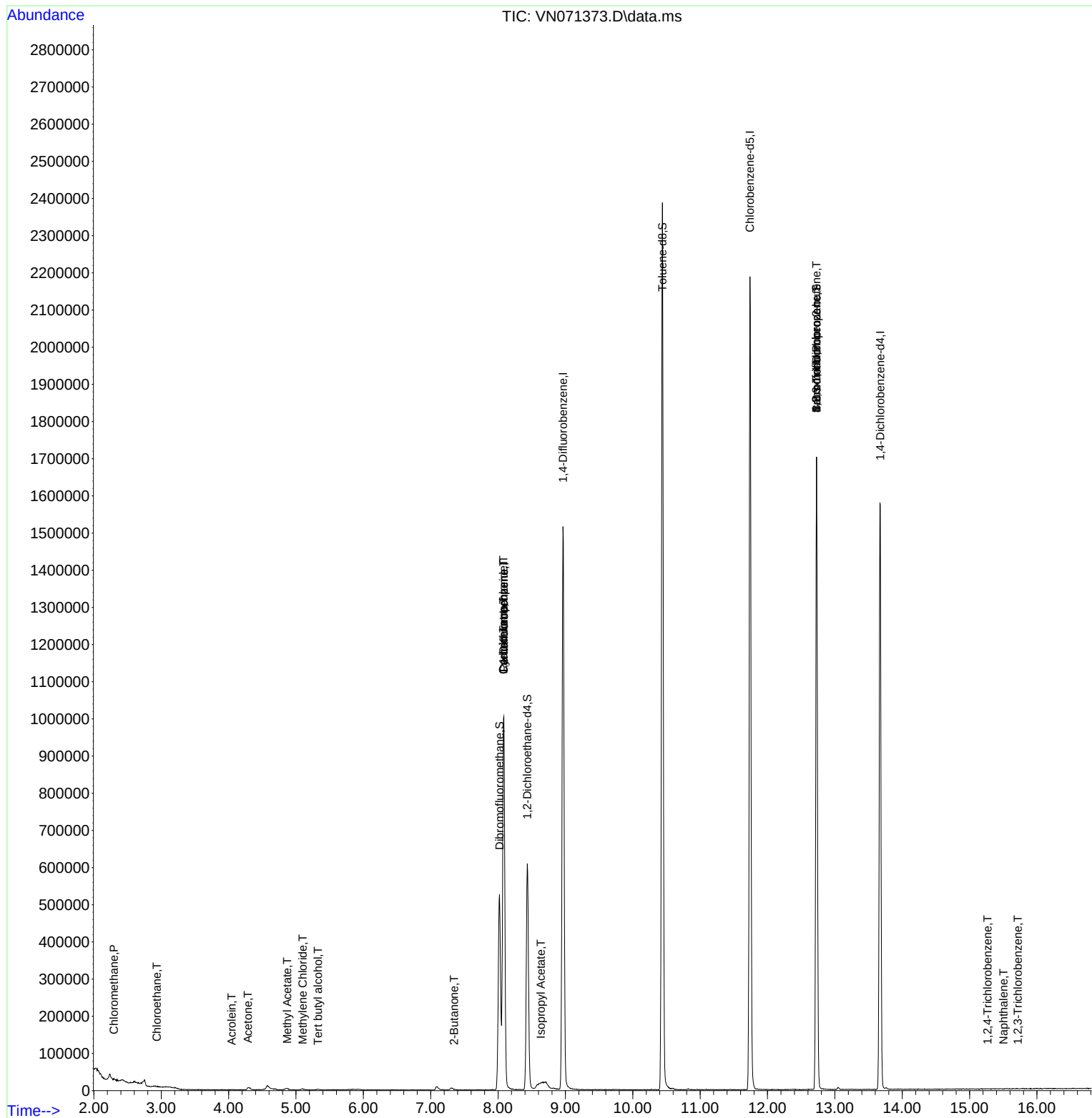
Internal Standards						
1) Pentafluorobenzene	8.087	168	788423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1320976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1243290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	445456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	505269	46.760	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.520%		
35) Dibromofluoromethane	8.022	113	387937	46.539	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.080%		
50) Toluene-d8	10.439	98	1623088	48.360	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.720%		
62) 4-Bromofluorobenzene	12.727	95	588827	51.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.620%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2795	0.206	ug/l	90
5) Bromomethane	2.887	94	1536	Below Cal	#	46
6) Chloroethane	2.934	64	1765	0.275	ug/l #	77
11) Tert butyl alcohol	5.328	59	957	0.451	ug/l #	71
13) Acrolein	4.046	56	490	0.218	ug/l #	49
16) Acetone	4.287	43	5208	0.991	ug/l	96
18) Methyl Acetate	4.869	43	9916	1.166	ug/l #	76
20) Methylene Chloride	5.098	84	2319	0.621	ug/l #	84
25) 2-Butanone	7.345	43	1842	0.217	ug/l #	48
31) Cyclohexane	8.081	56	16379	0.949	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	62619	4.689	ug/l #	49
38) Carbon Tetrachloride	8.081	117	77446	5.995	ug/l #	16
43) Isopropyl Acetate	8.634	43	28552	1.039	ug/l #	55
71) Bromoform	12.727	173	3298	0.444	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.827	83	55	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	306559	27.102	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	306559	74.393	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	271	3.024	ug/l #	30
95) Naphthalene	15.504	128	764	5.101	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.715	180	135	2.750	ug/l #	81

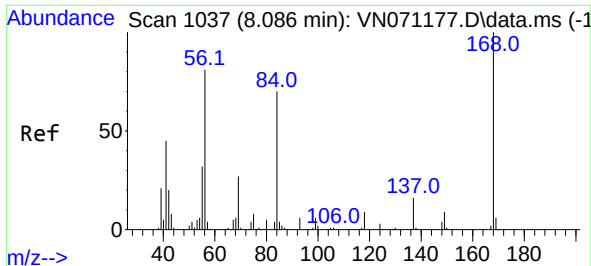
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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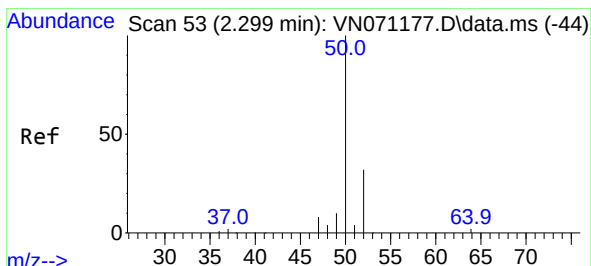
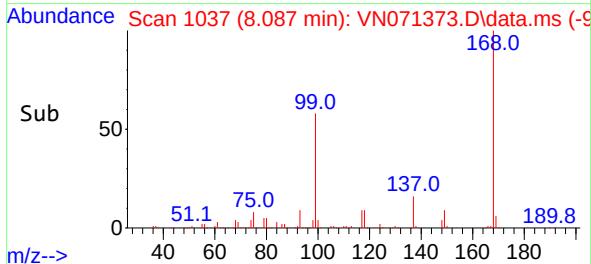
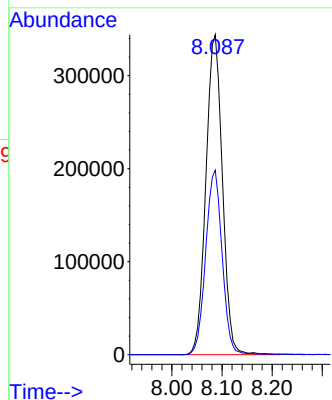
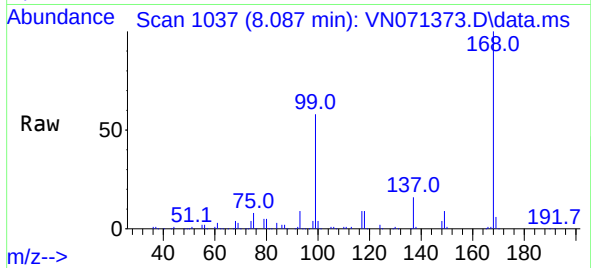




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

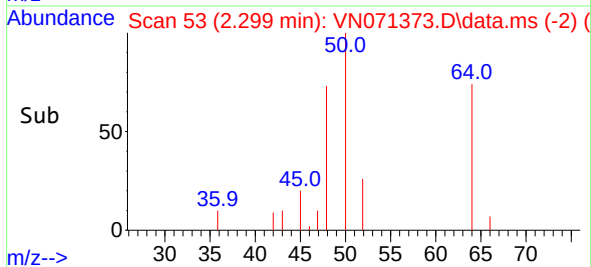
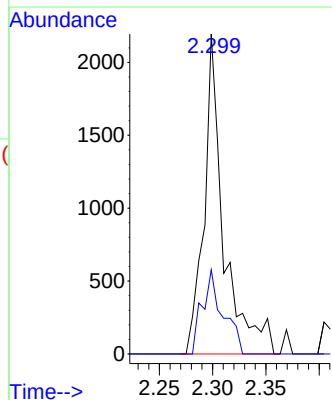
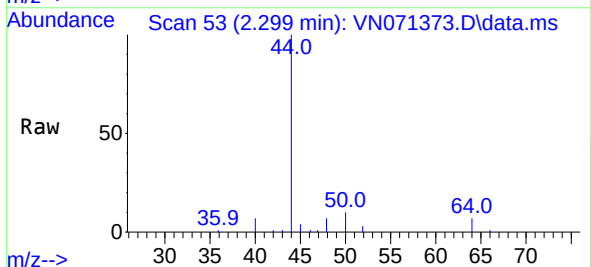
Instrument :
MSVOA_N
ClientSampleId :

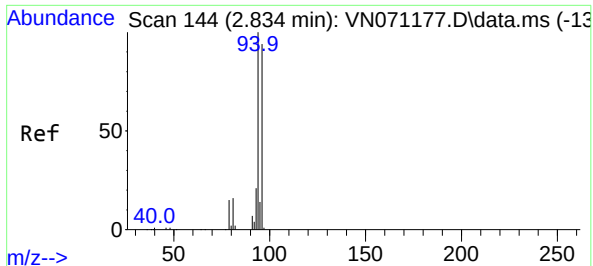
Tgt Ion:168 Resp: 788423
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Tgt Ion: 50 Resp: 2795
Ion Ratio Lower Upper
50 100
52 26.3 25.4 38.0

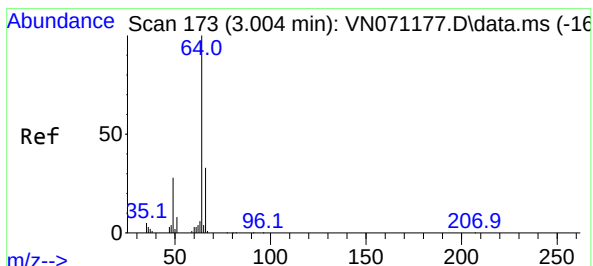
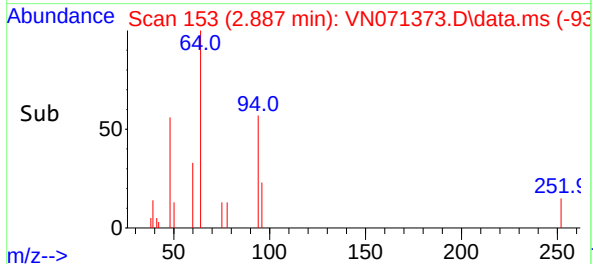
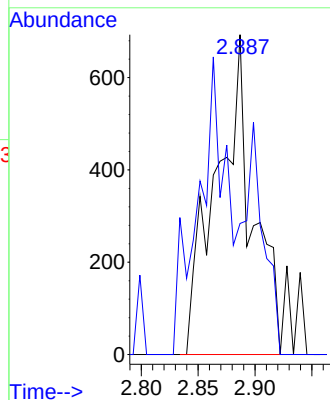
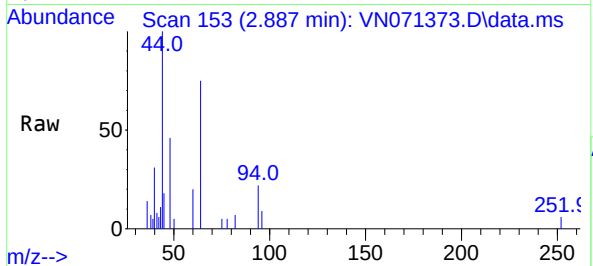




#5
Bromomethane
Concen: Below Cal
RT: 2.887 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

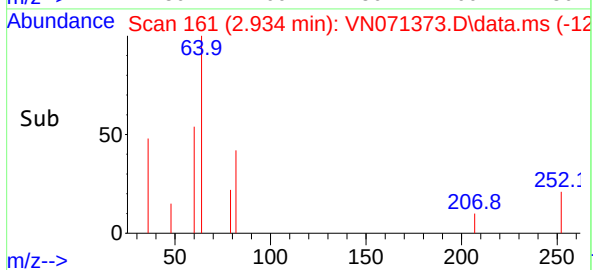
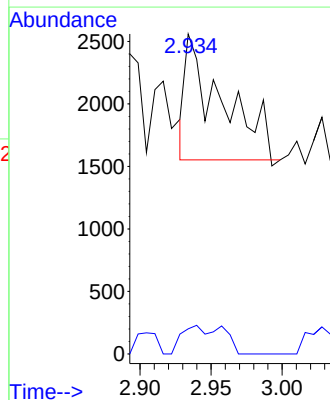
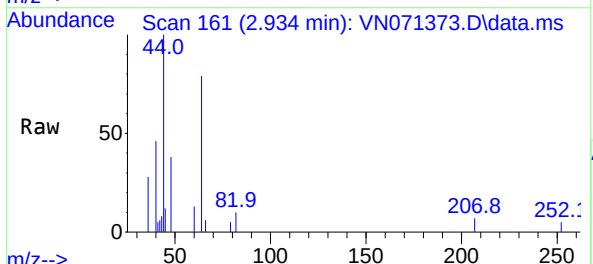
Instrument :
MSVOA_N
ClientSampleId :

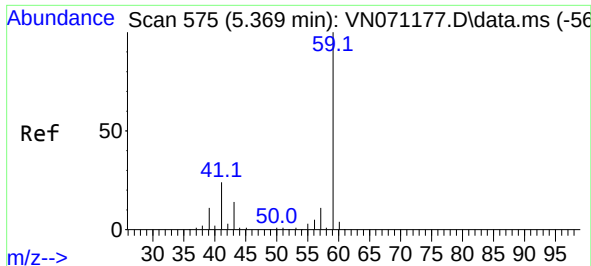
Tgt Ion: 94 Resp: 1536
Ion Ratio Lower Upper
94 100
96 41.0 73.8 110.8#



#6
Chloroethane
Concen: 0.275 ug/l
RT: 2.934 min Scan# 161
Delta R.T. -0.070 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Tgt Ion: 64 Resp: 1765
Ion Ratio Lower Upper
64 100
66 19.9 26.3 39.5#

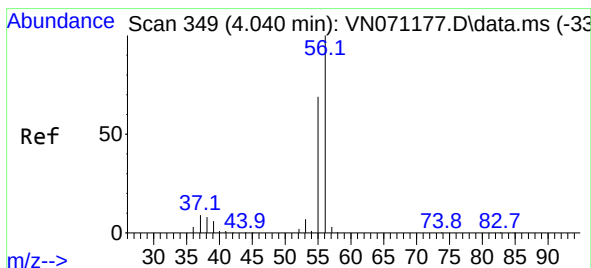
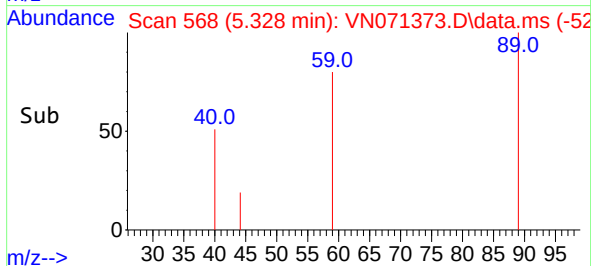
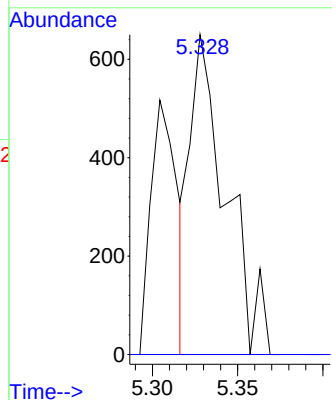
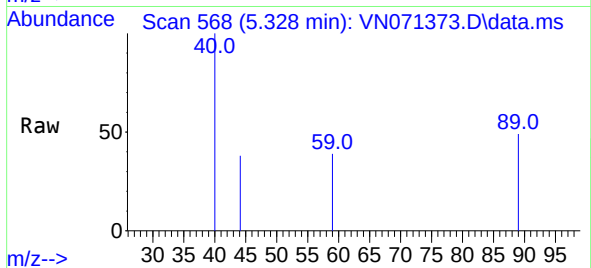




#11
Tert butyl alcohol
Concen: 0.451 ug/l
RT: 5.328 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

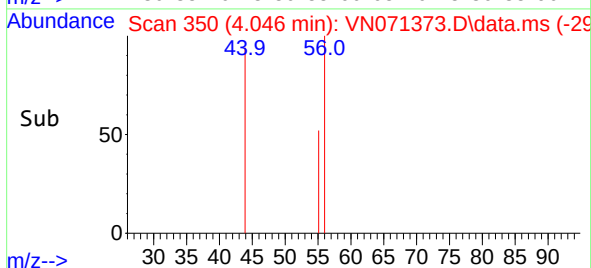
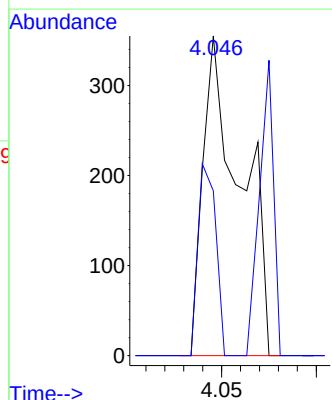
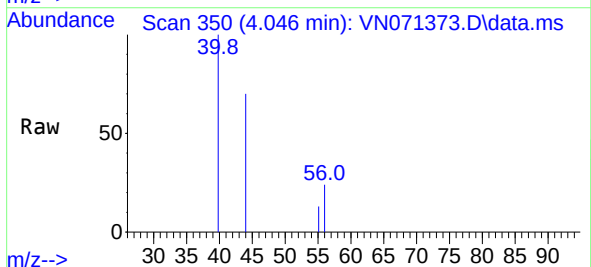
Instrument :
MSVOA_N
ClientSampleId :

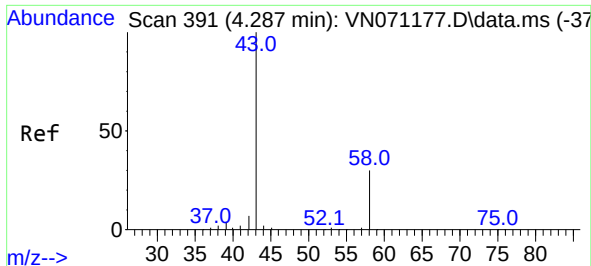
Tgt Ion: 59 Resp: 957
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.218 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.006 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Tgt Ion: 56 Resp: 490
Ion Ratio Lower Upper
56 100
55 28.6 56.6 85.0#

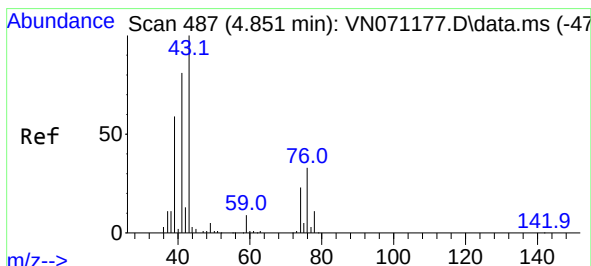
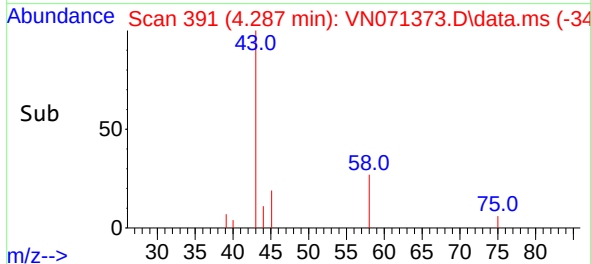
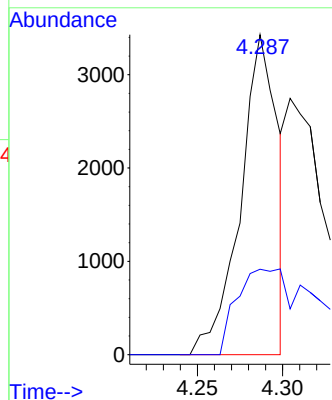
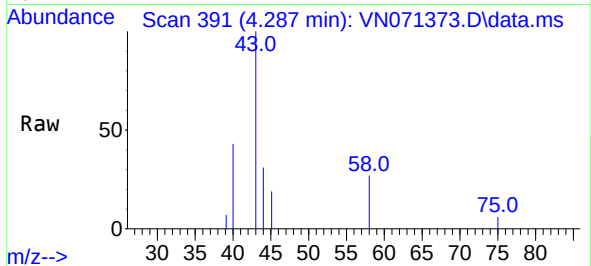




#16
Acetone
Concen: 0.991 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

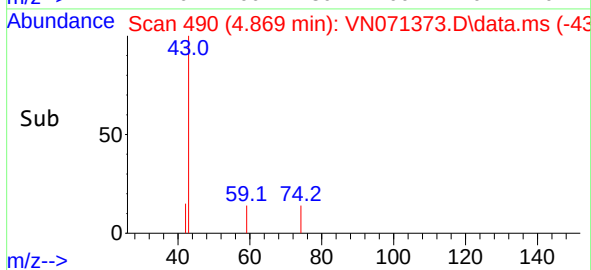
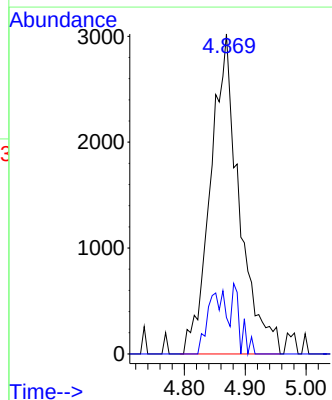
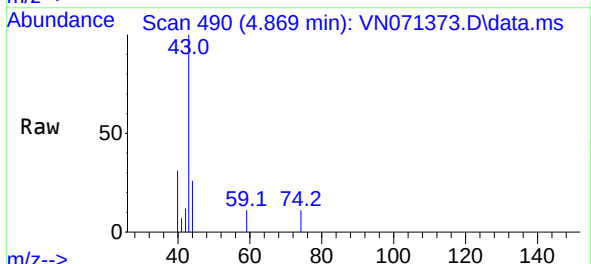
Instrument :
MSVOA_N
ClientSampleId :

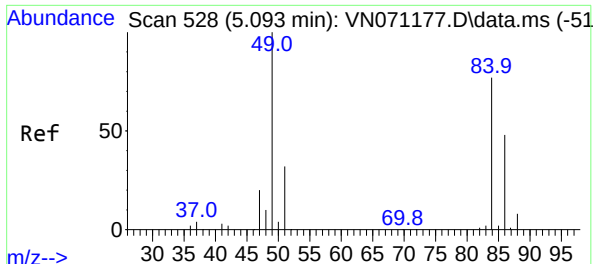
Tgt Ion: 43 Resp: 5208
Ion Ratio Lower Upper
43 100
58 26.7 23.1 34.7



#18
Methyl Acetate
Concen: 1.166 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

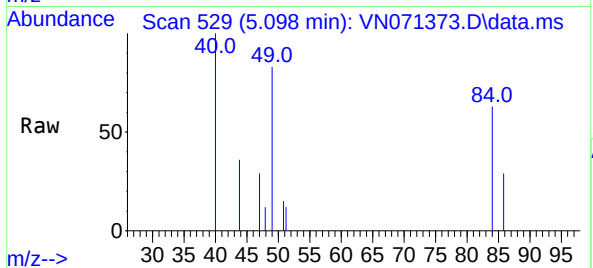
Tgt Ion: 43 Resp: 9916
Ion Ratio Lower Upper
43 100
74 12.6 19.4 29.2#





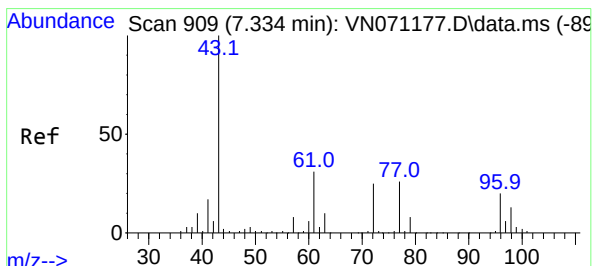
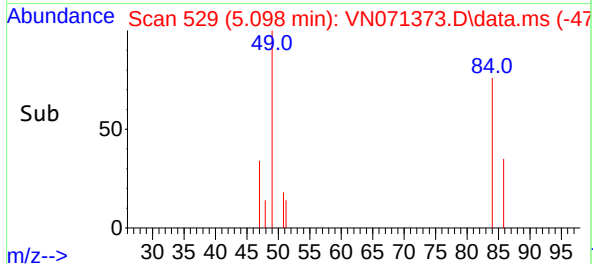
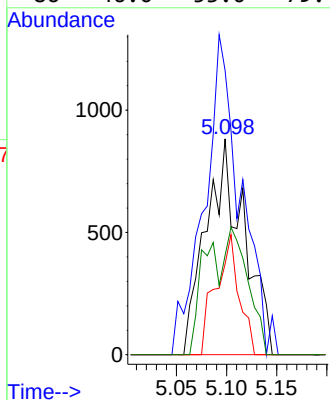
#20
Methylene Chloride
Concen: 0.621 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2319

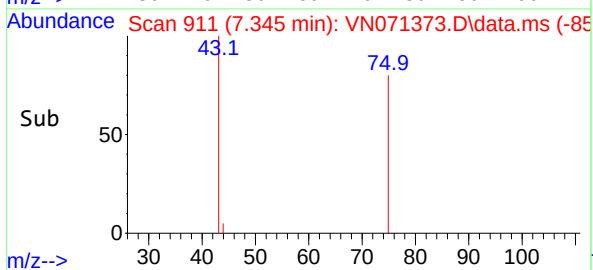
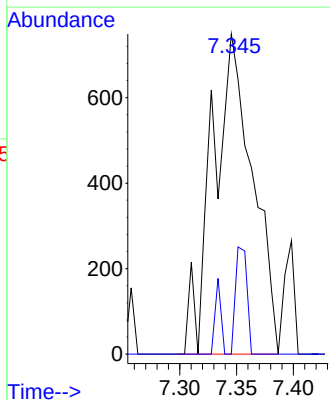
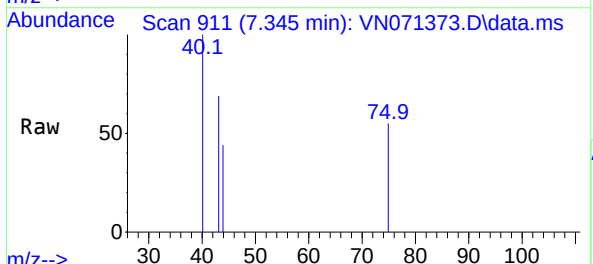
Ion	Ratio	Lower	Upper
84	100		
49	131.7	93.5	140.3
51	42.0	29.4	44.2
86	46.0	53.0	79.4#

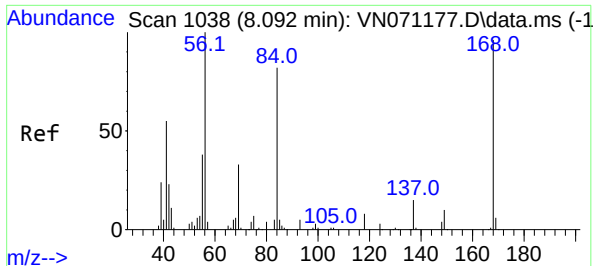


#25
2-Butanone
Concen: 0.217 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Tgt Ion: 43 Resp: 1842

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#31

Cyclohexane

Concen: 0.949 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071373.D

Acq: 18 Mar 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

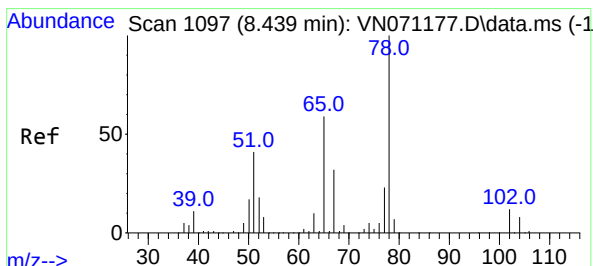
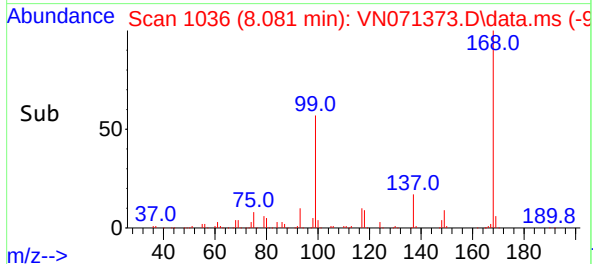
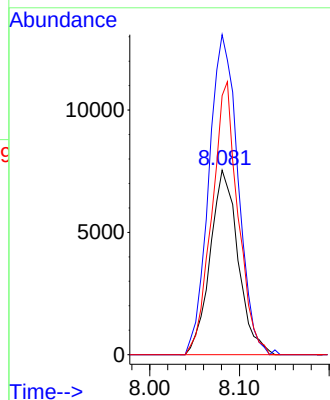
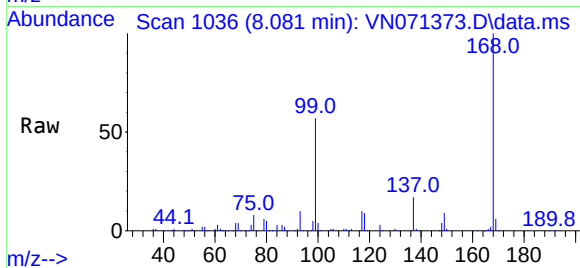
Tgt Ion: 56 Resp: 16379

Ion Ratio Lower Upper

56 100

69 173.4 27.1 40.7#

84 140.3 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.760 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071373.D

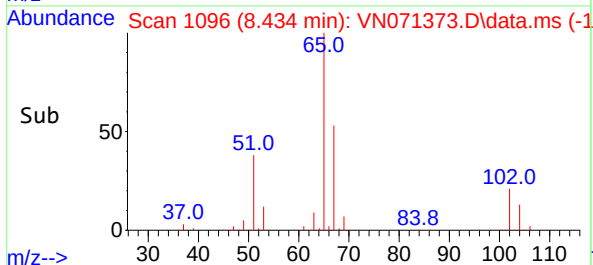
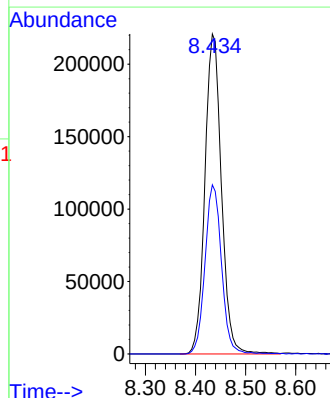
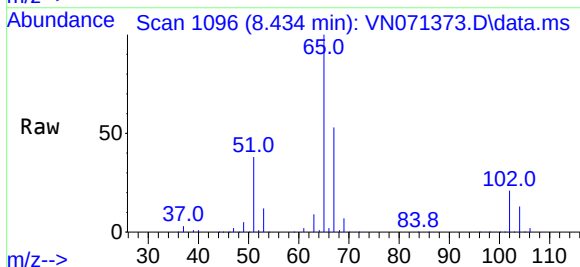
Acq: 18 Mar 2022 15:30

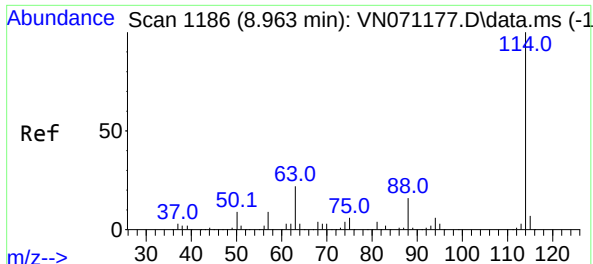
Tgt Ion: 65 Resp: 505269

Ion Ratio Lower Upper

65 100

67 52.9 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: VN071373.D

Acq: 18 Mar 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

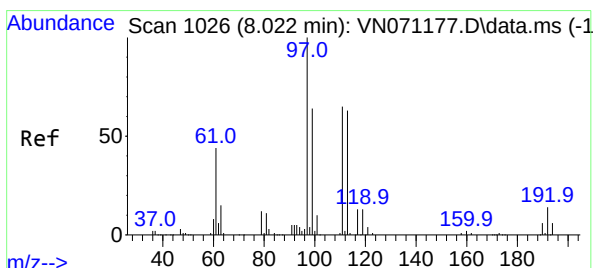
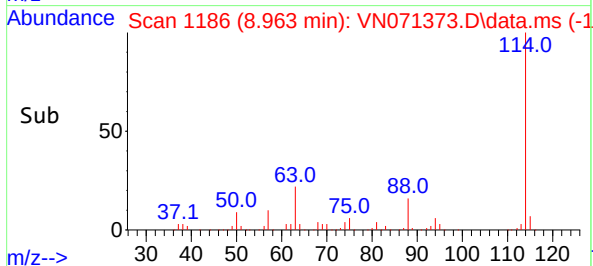
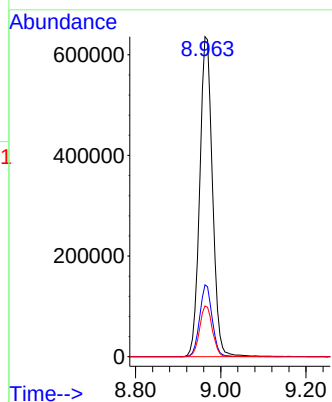
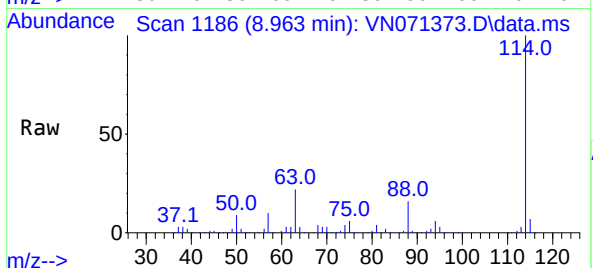
Tgt Ion:114 Resp: 1320976

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 15.8 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.539 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN071373.D

Acq: 18 Mar 2022 15:30

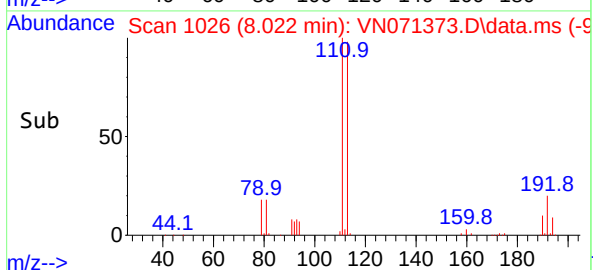
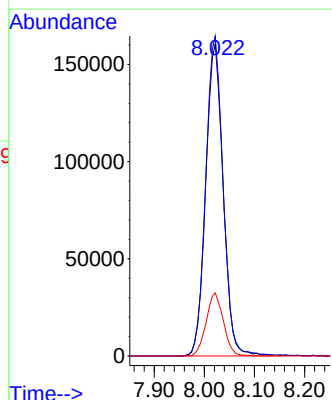
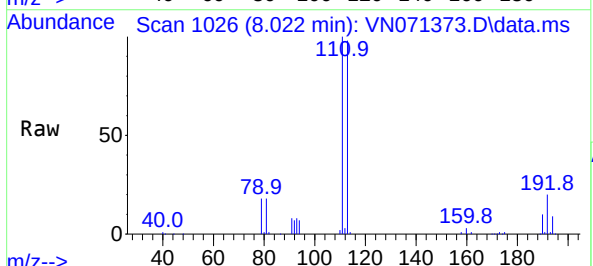
Tgt Ion:113 Resp: 387937

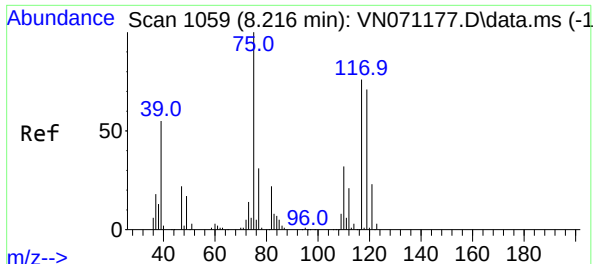
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 20.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071373.D

Acq: 18 Mar 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

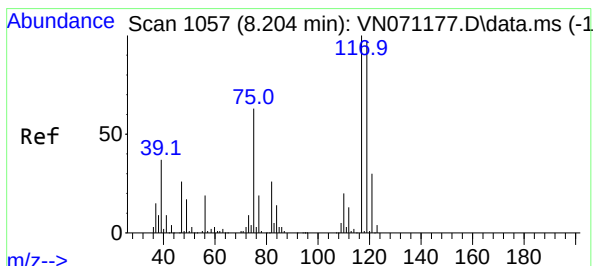
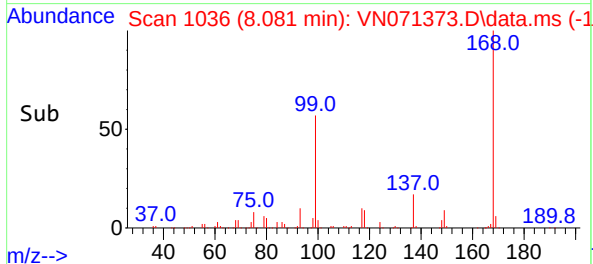
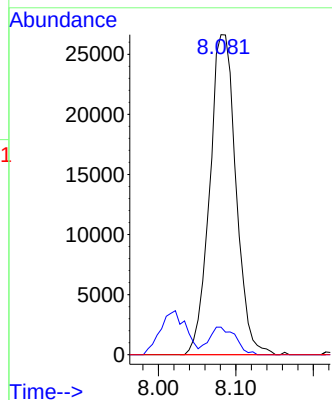
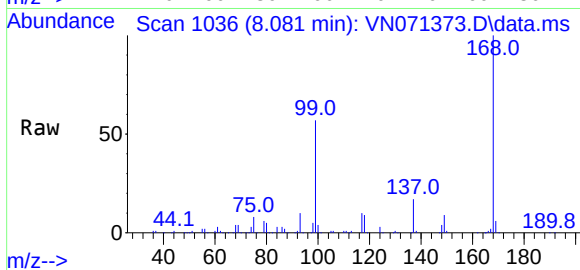
Tgt Ion: 75 Resp: 62619

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.995 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071373.D

Acq: 18 Mar 2022 15:30

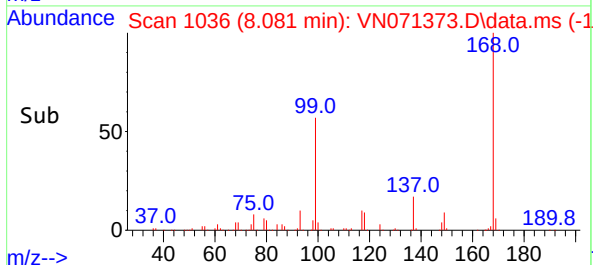
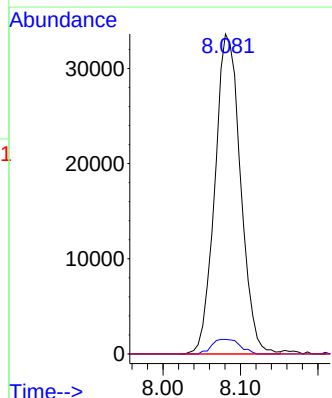
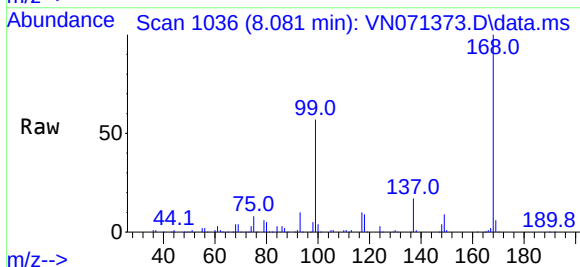
Tgt Ion: 117 Resp: 77446

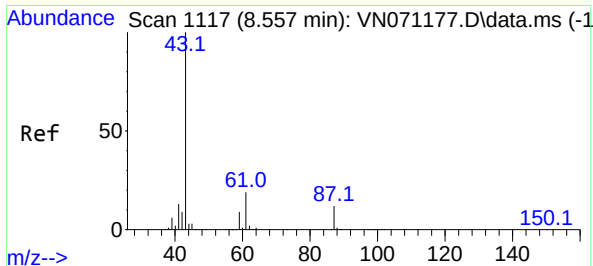
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 1.039 ug/l

RT: 8.634 min Scan# 1117

Delta R.T. 0.077 min

Lab File: VN071373.D

Acq: 18 Mar 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

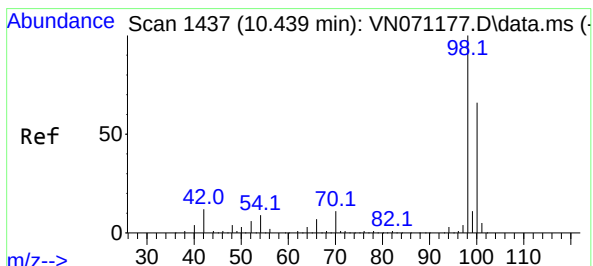
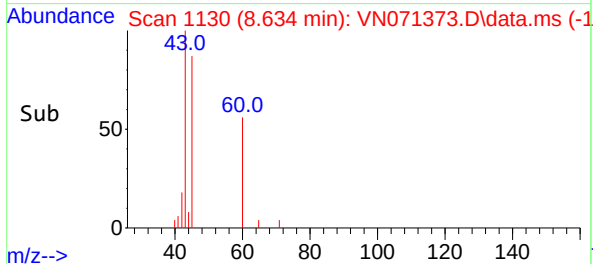
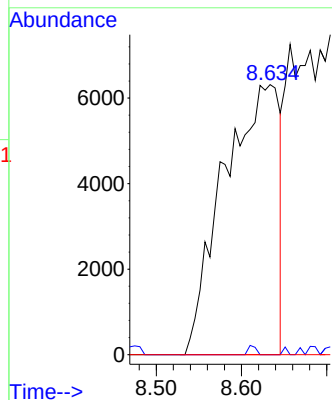
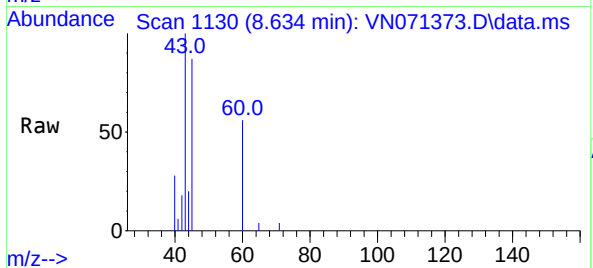
Tgt Ion: 43 Resp: 28552

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 11.2 16.8#



#50

Toluene-d8

Concen: 48.360 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071373.D

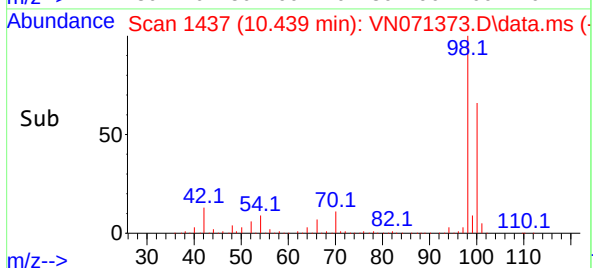
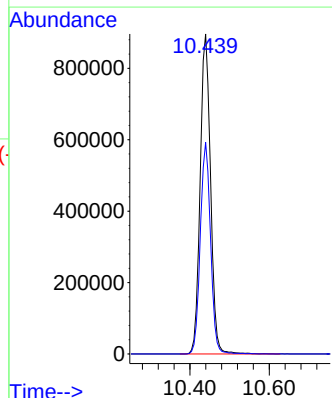
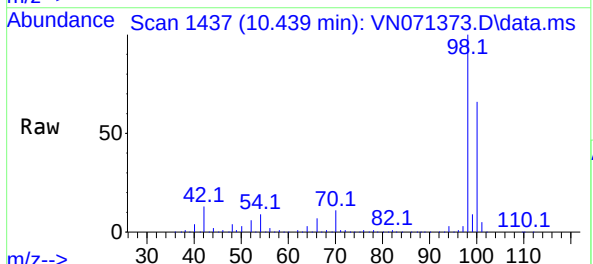
Acq: 18 Mar 2022 15:30

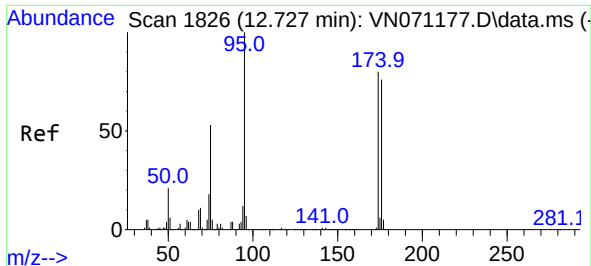
Tgt Ion: 98 Resp: 1623088

Ion Ratio Lower Upper

98 100

100 65.5 50.4 75.6

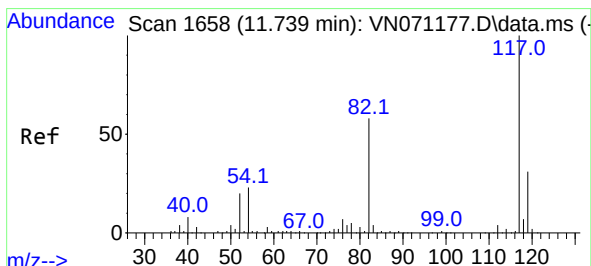
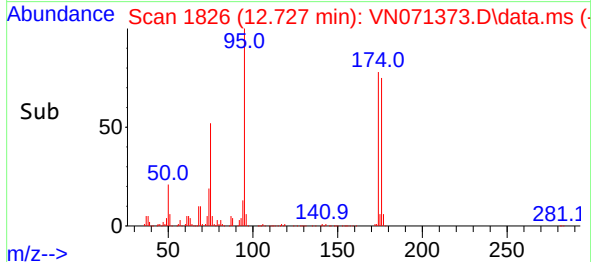
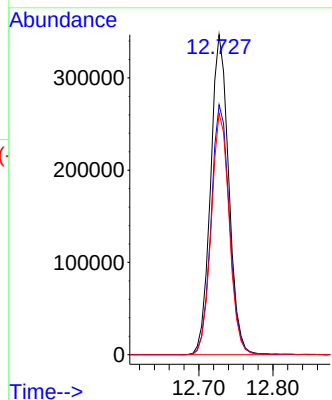
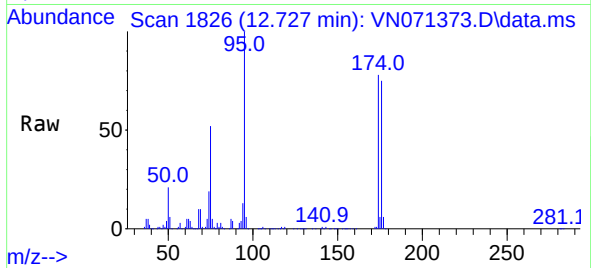




#62
4-Bromofluorobenzene
Concen: 51.810 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

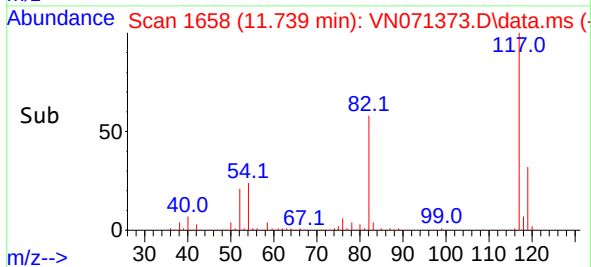
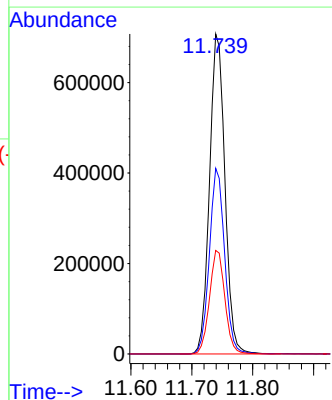
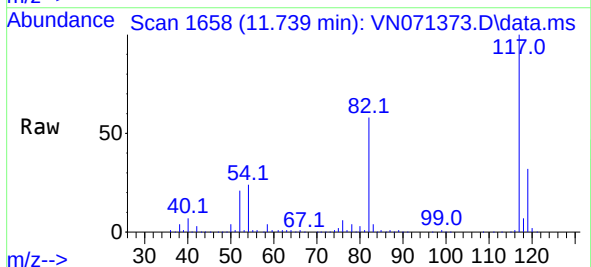
Instrument :
MSVOA_N
ClientSampleId :

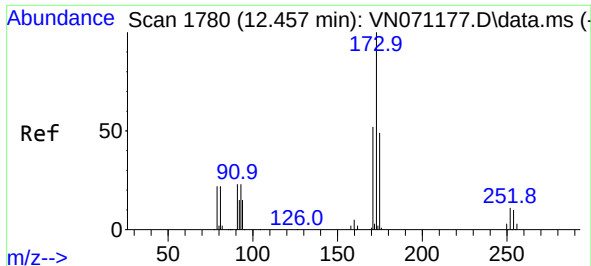
Tgt Ion: 95 Resp: 588827
Ion Ratio Lower Upper
95 100
174 79.1 0.0 187.2
176 75.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Tgt Ion: 117 Resp: 1243290
Ion Ratio Lower Upper
117 100
82 58.0 42.4 63.6
119 32.3 25.4 38.2

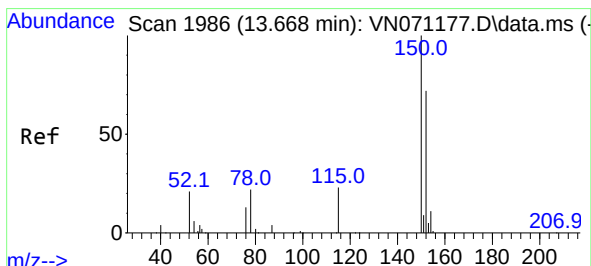
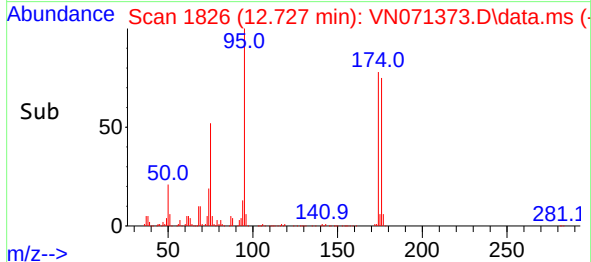
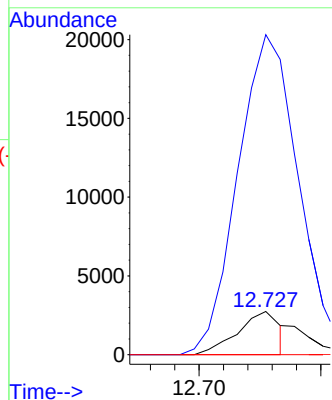
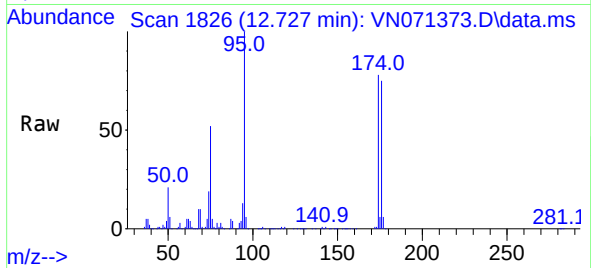




#71
Bromoform
Concen: 0.444 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

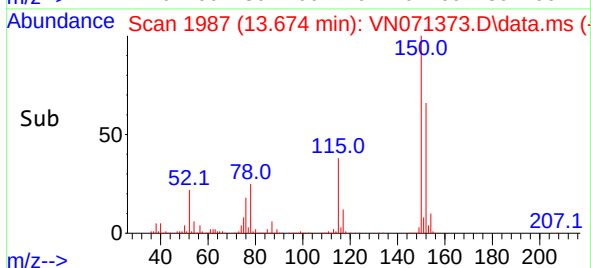
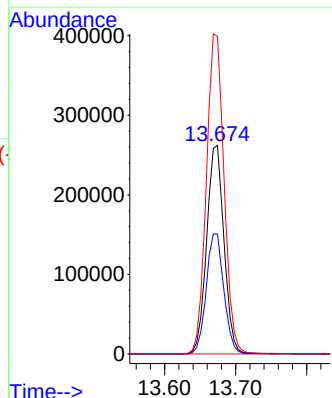
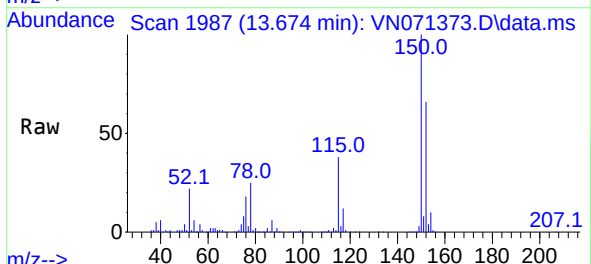
Instrument :
MSVOA_N
ClientSampleId :

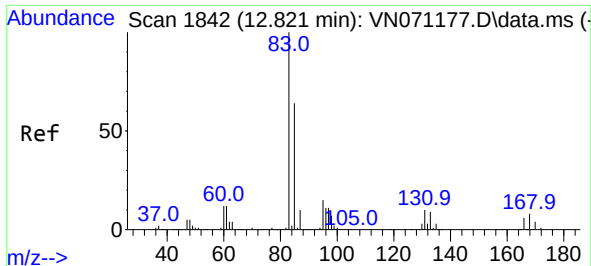
Tgt Ion:173 Resp: 3298
Ion Ratio Lower Upper
173 100
175 799.6 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Tgt Ion:152 Resp: 445456
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 156.6 0.0 344.4

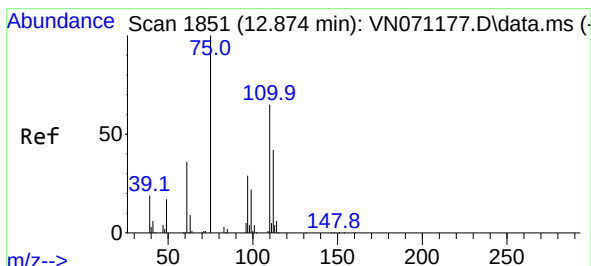
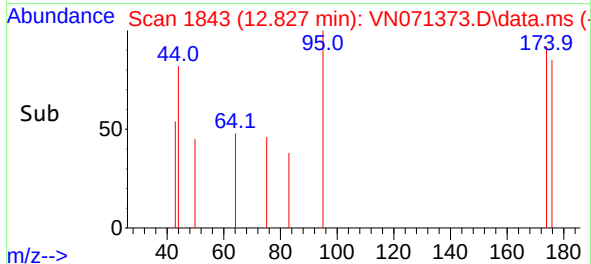
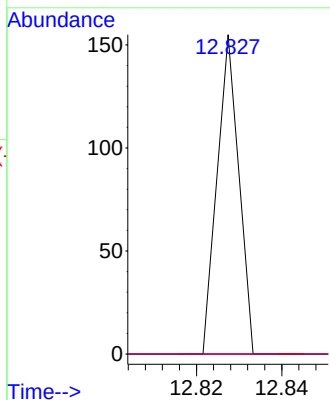
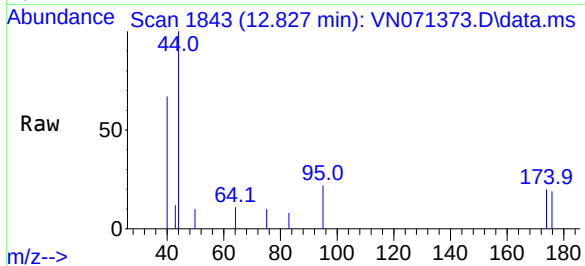




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

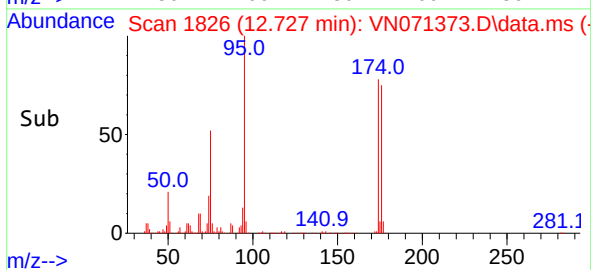
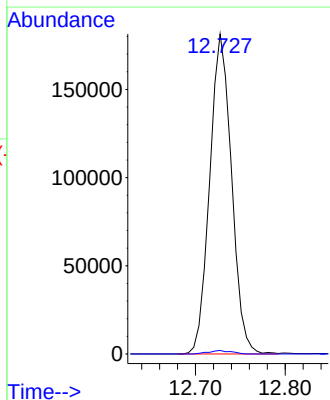
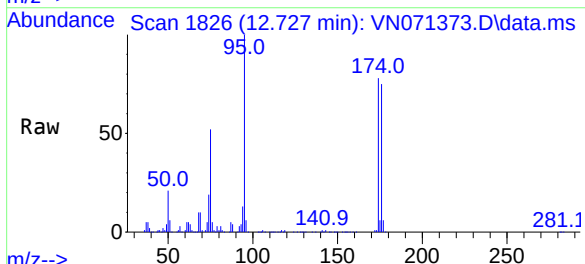
Instrument :
MSVOA_N
ClientSampleId :

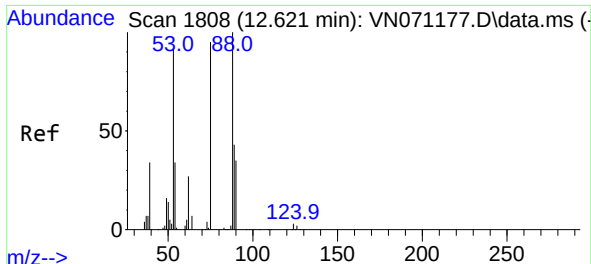
Tgt Ion: 83 Resp: 55
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.102 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

Tgt Ion: 75 Resp: 306559
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

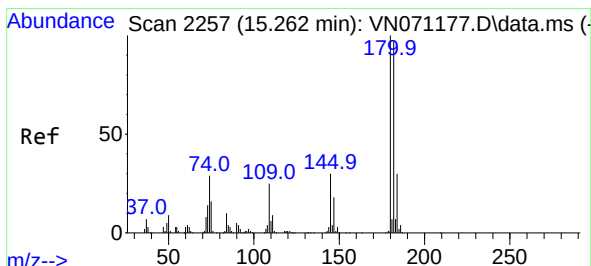
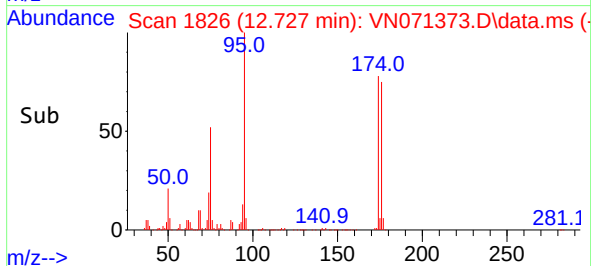
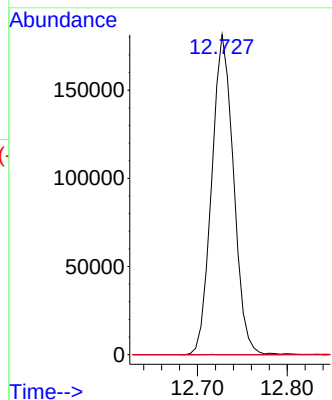
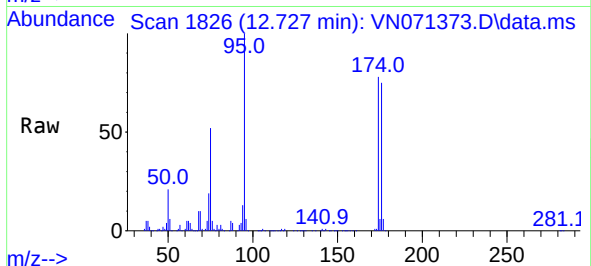




#81
trans-1,4-Dichloro-2-butene
Concen: 74.393 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

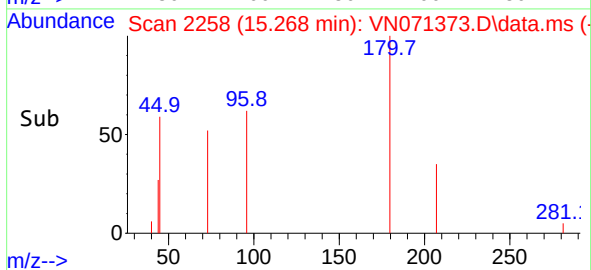
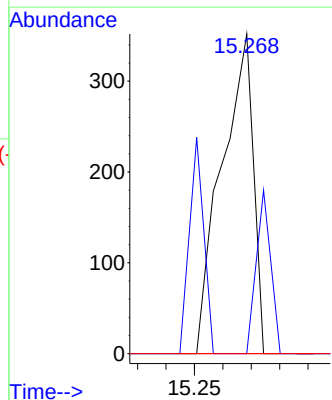
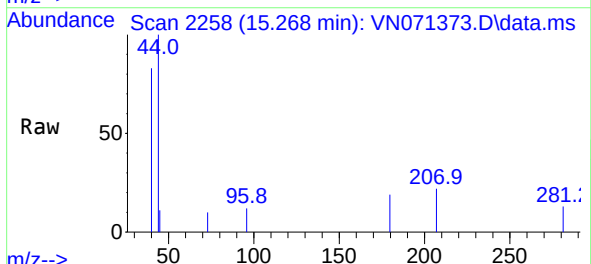
Instrument :
MSVOA_N
ClientSampleId :

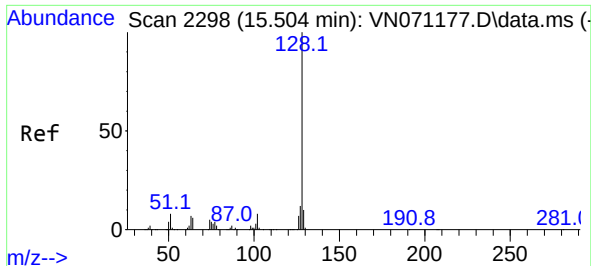
Tgt Ion: 75 Resp: 306559
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.024 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

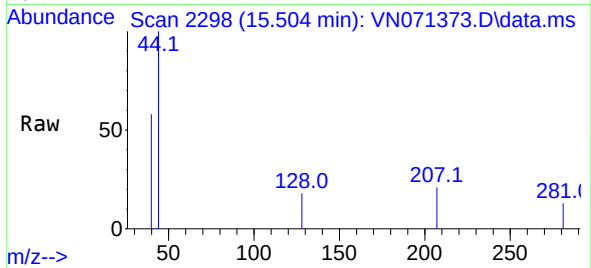
Tgt Ion:180 Resp: 271
Ion Ratio Lower Upper
180 100
182 23.2 48.3 144.9#
145 0.0 14.5 43.5#



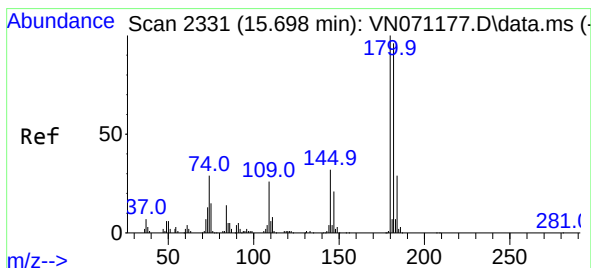
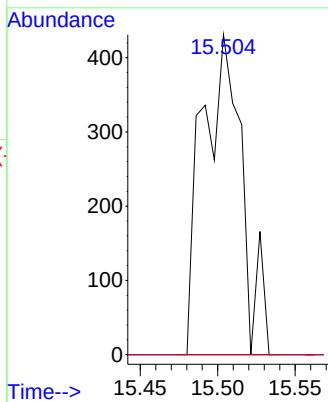
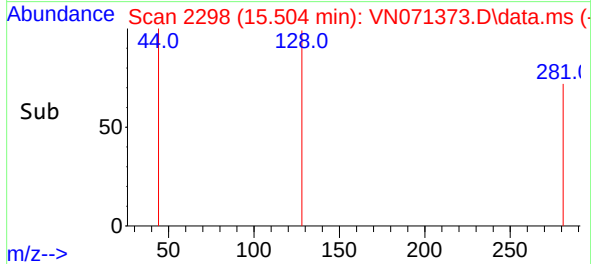


#95
Naphthalene
Concen: 5.101 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30

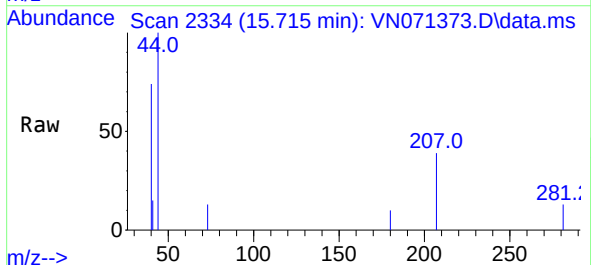
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 764
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.750 ug/l
RT: 15.715 min Scan# 2334
Delta R.T. 0.017 min
Lab File: VN071373.D
Acq: 18 Mar 2022 15:30



Tgt Ion:180 Resp: 135
Ion Ratio Lower Upper
180 100
182 102.2 47.4 142.2
145 0.0 15.0 45.1#

