

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071378.D
 Acq On : 18 Mar 2022 17:30
 Operator : JC\MD
 Sample : N1974-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:09:48 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	775027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1304561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1241740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	461045	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	502957	47.350	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.700%
35) Dibromofluoromethane	8.022	113	380203	46.185	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.360%
50) Toluene-d8	10.439	98	1606094	48.456	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.727	95	606190	54.009	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.020%

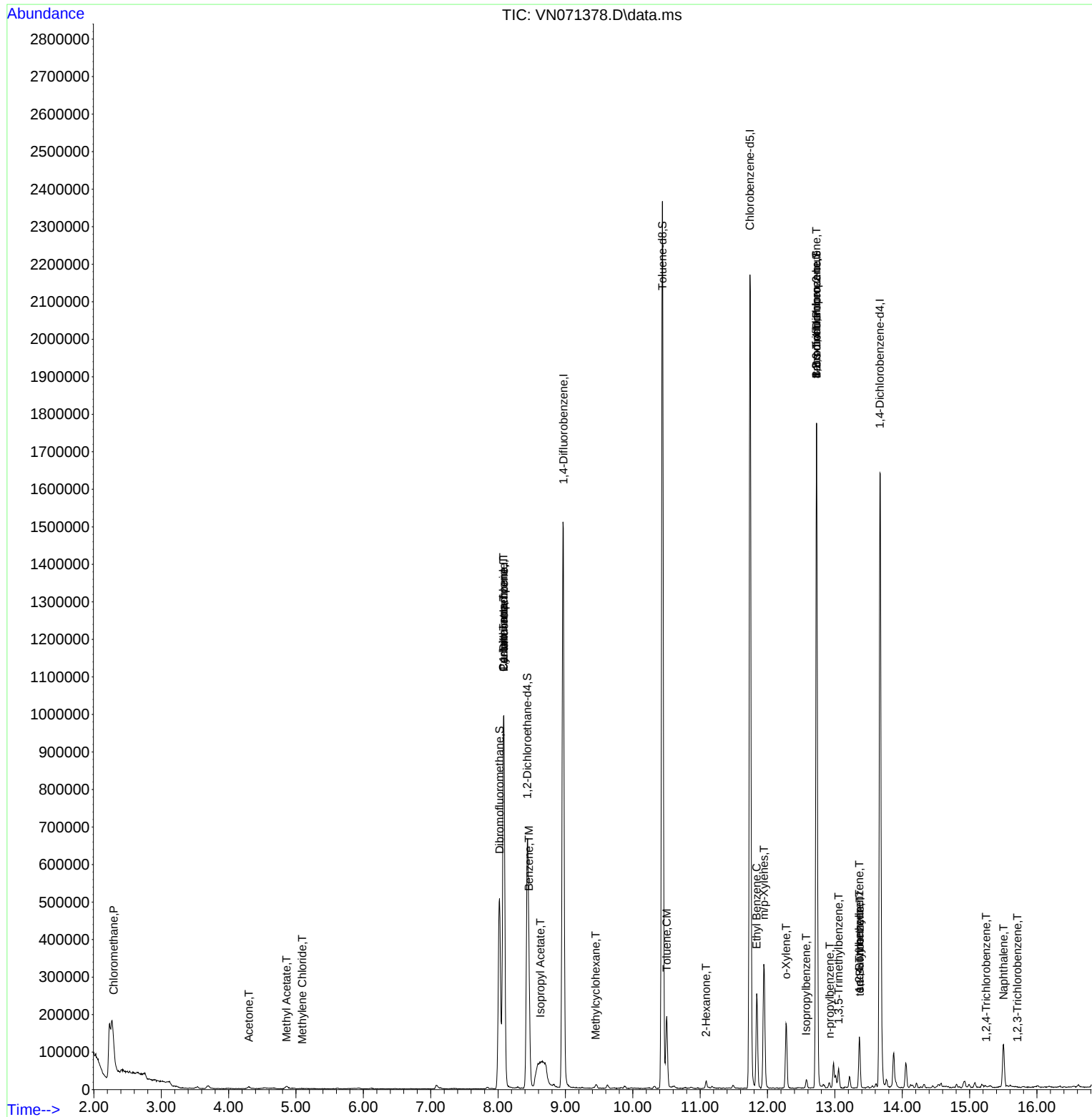
Target Compounds			Qvalue			
3) Chloromethane	2.293	50	5415	0.441 ug/l #	59	
5) Bromomethane	2.852	94	579	Below Cal	81	
16) Acetone	4.299	43	6621	1.281 ug/l #	82	
18) Methyl Acetate	4.857	43	15013	1.541 ug/l	97	
20) Methylene Chloride	5.093	84	382	0.422 ug/l #	45	
31) Cyclohexane	8.081	56	17359	1.023 ug/l #	10	
36) 1,1-Dichloropropene	8.081	75	61610	4.671 ug/l #	49	
38) Carbon Tetrachloride	8.081	117	74587	5.846 ug/l #	16	
39) Methylcyclohexane	9.451	83	3850	0.248 ug/l	88	
40) Benzene	8.457	78	202873	5.105 ug/l	100	
43) Isopropyl Acetate	8.628	43	105041	3.870 ug/l #	56	
52) Toluene	10.504	92	78895	3.224 ug/l	94	
59) 2-Hexanone	11.086	43	5512	0.480 ug/l #	45	
67) Ethyl Benzene	11.839	91	180957	3.838 ug/l	98	
68) m/p-Xylenes	11.945	106	107318	6.222 ug/l	97	
69) o-Xylene	12.275	106	46681	2.700 ug/l	92	
71) Bromoform	12.727	173	3499	0.471 ug/l #	1	
73) Isopropylbenzene	12.575	105	12898	0.290 ug/l	97	
75) 1,1,2,2-Tetrachloroethane	12.822	83	109	Below Cal #	25	
76) 1,2,3-Trichloropropane	12.727	75	314739	26.860 ug/l #	1	
78) n-propylbenzene	12.922	91	11448	0.240 ug/l	99	
80) 1,3,5-Trimethylbenzene	13.057	105	23479	0.679 ug/l	99	
81) trans-1,4-Dichloro-2-b...	12.727	75	314739	73.796 ug/l #	5	
83) tert-Butylbenzene	13.369	119	9454	0.306 ug/l #	59	
84) 1,2,4-Trimethylbenzene	13.363	105	74974	2.264 ug/l	98	
85) sec-Butylbenzene	13.363	105	74974	1.828 ug/l #	56	
93) 1,2,4-Trichlorobenzene	15.245	180	96	3.001 ug/l #	1	
95) Naphthalene	15.504	128	106585	9.599 ug/l	99	
96) 1,2,3-Trichlorobenzene	15.710	180	162	2.753 ug/l #	1	

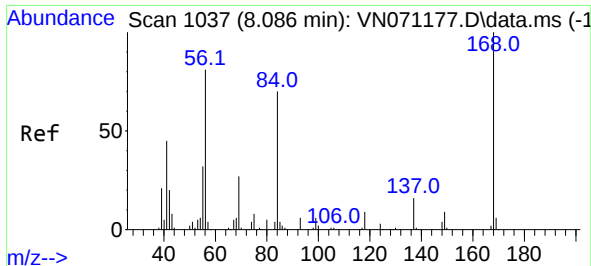
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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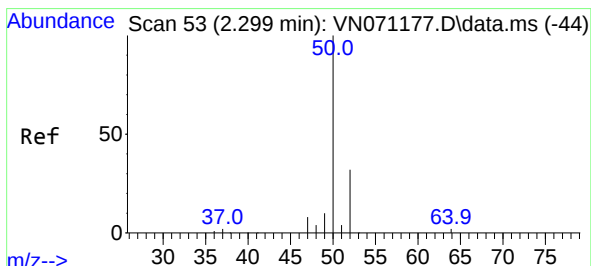
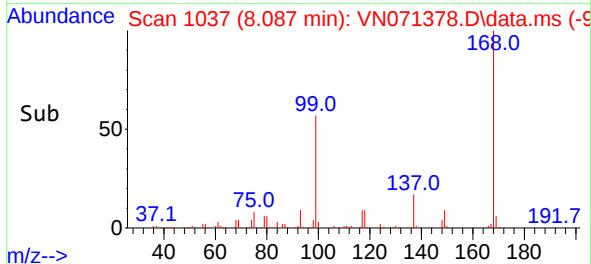
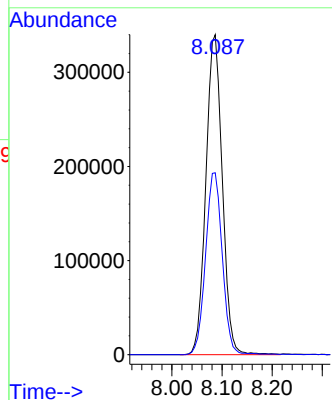
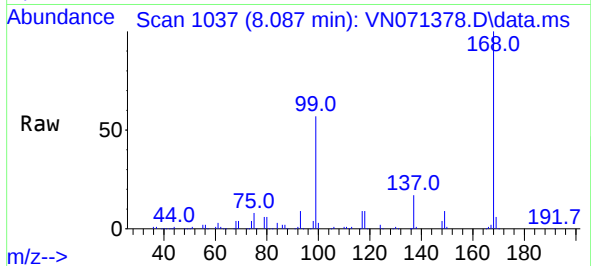




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

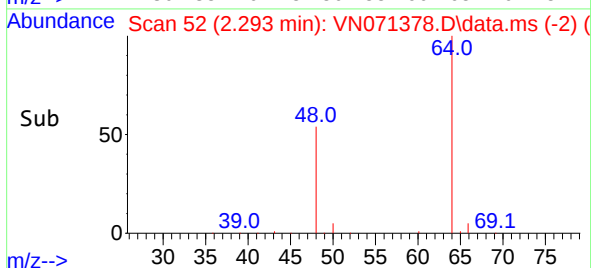
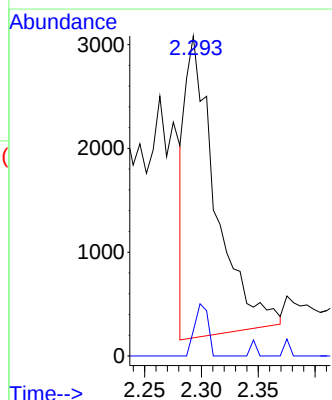
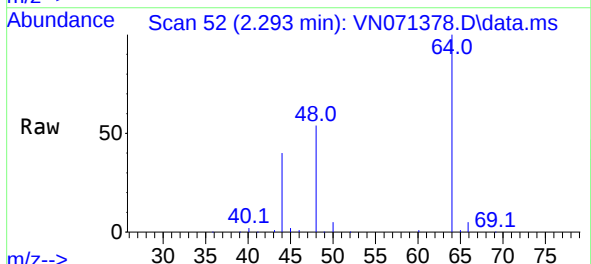
Instrument :
MSVOA_N
ClientSampleId :

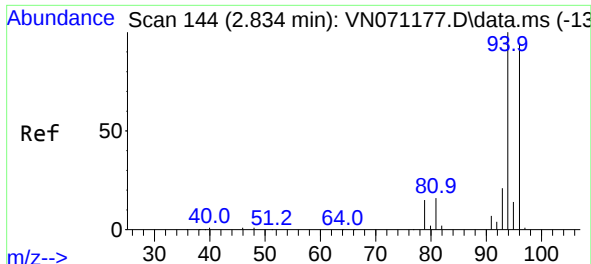
Tgt Ion:168 Resp: 775027
Ion Ratio Lower Upper
168 100
99 56.8 41.3 61.9



#3
Chloromethane
Concen: 0.441 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 50 Resp: 5415
Ion Ratio Lower Upper
50 100
52 9.0 25.4 38.0#

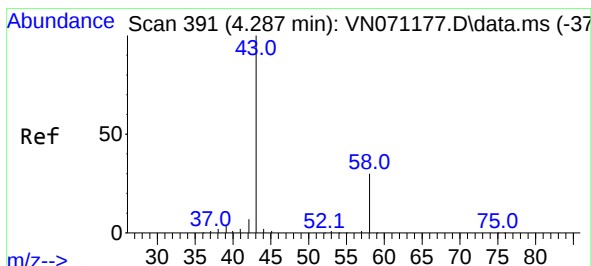
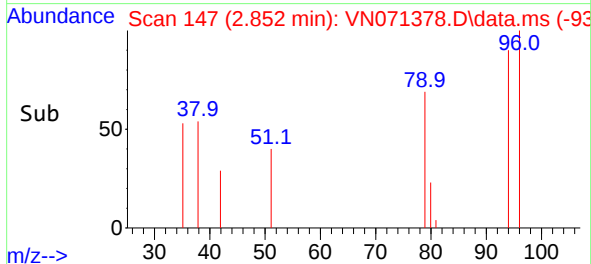
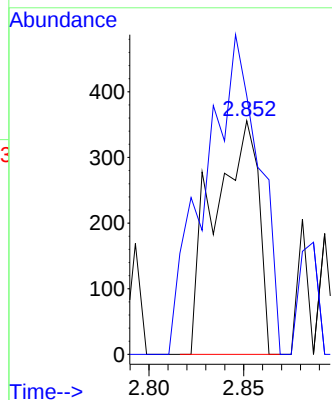
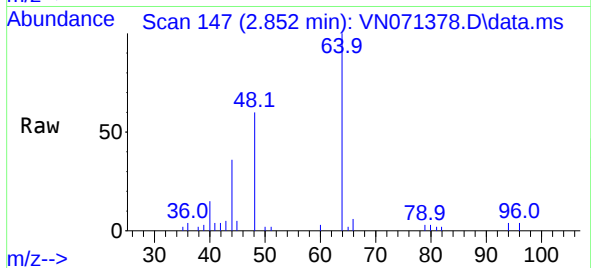




#5
Bromomethane
Concen: Below Cal
RT: 2.852 min Scan# 144
Delta R.T. 0.018 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

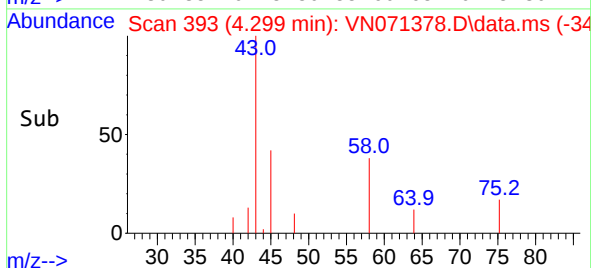
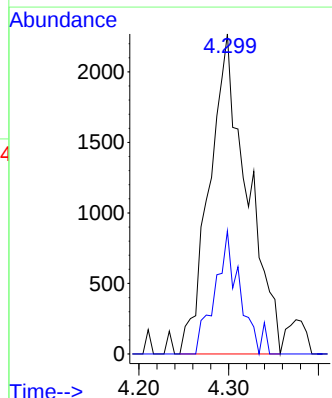
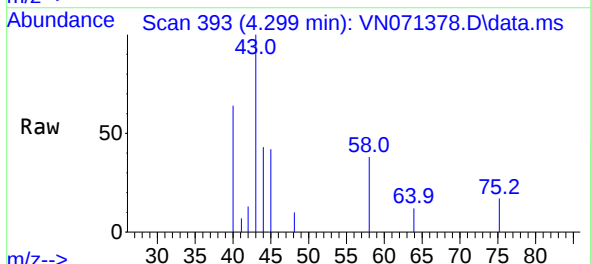
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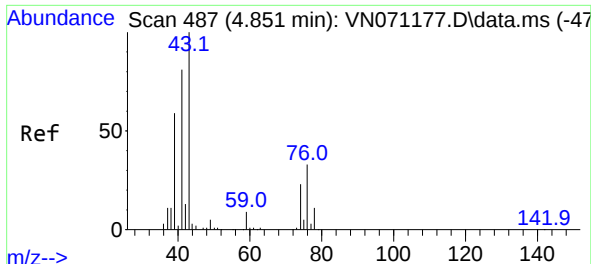
Tgt Ion: 94 Resp: 579
Ion Ratio Lower Upper
94 100
96 110.7 73.8 110.8



#16
Acetone
Concen: 1.281 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 43 Resp: 6621
Ion Ratio Lower Upper
43 100
58 38.5 23.1 34.7#

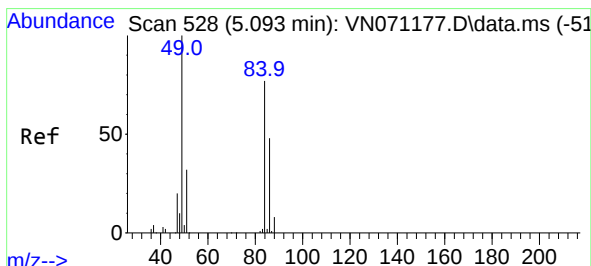
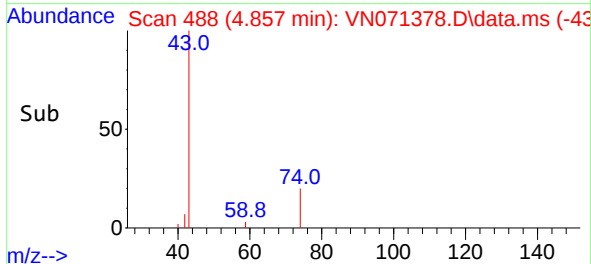
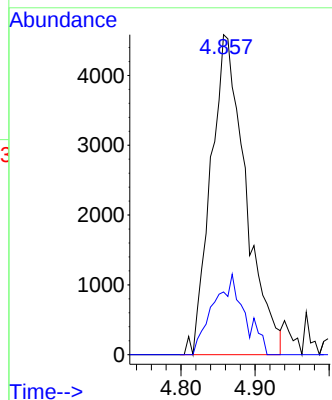
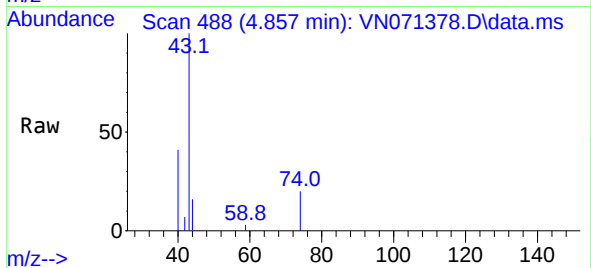




#18
Methyl Acetate
Concen: 1.541 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

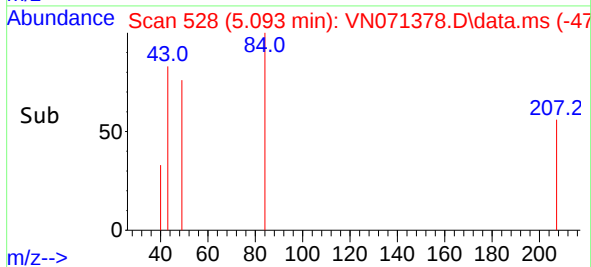
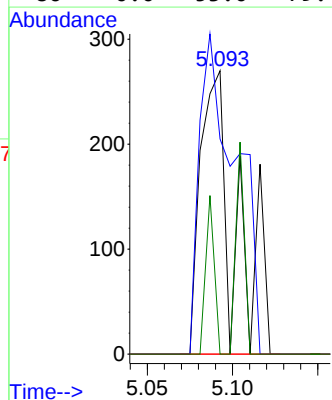
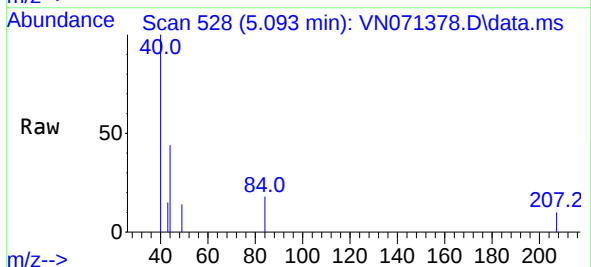
Instrument :
MSVOA_N
ClientSampleId :

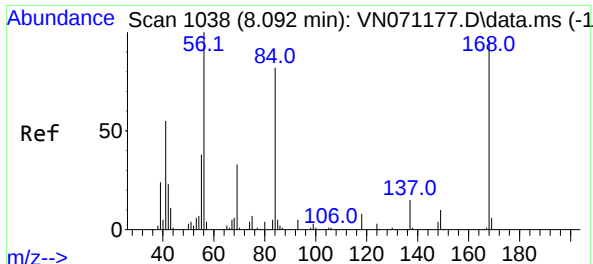
Tgt Ion: 43 Resp: 15013
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2



#20
Methylene Chloride
Concen: 0.422 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 84 Resp: 382
Ion Ratio Lower Upper
84 100
49 75.9 93.5 140.3#
51 0.0 29.4 44.2#
86 0.0 53.0 79.4#





#31

Cyclohexane

Concen: 1.023 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071378.D

Acq: 18 Mar 2022 17:30

Instrument :

MSVOA_N

ClientSampleId :

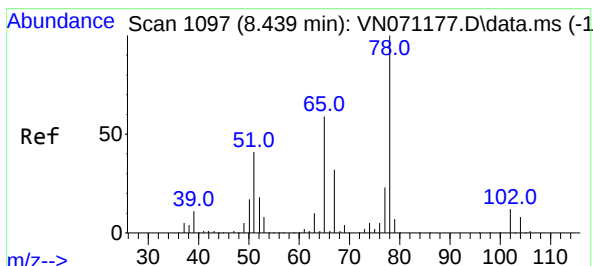
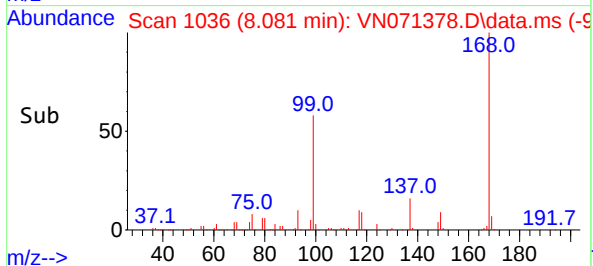
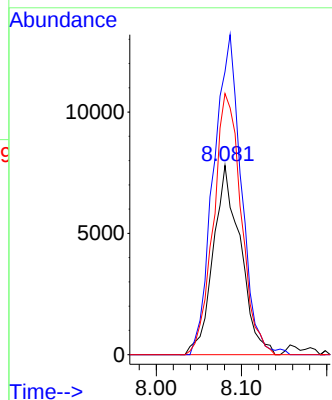
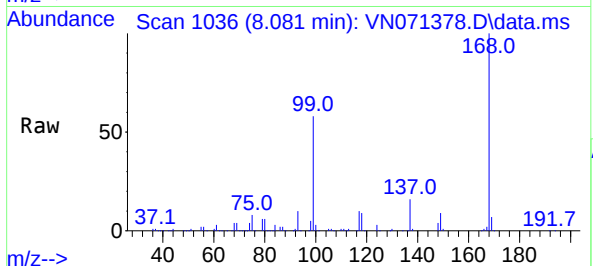
Tgt Ion: 56 Resp: 17359

Ion Ratio Lower Upper

56 100

69 149.6 27.1 40.7#

84 138.0 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 47.350 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071378.D

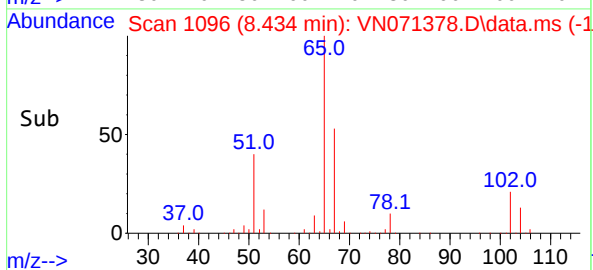
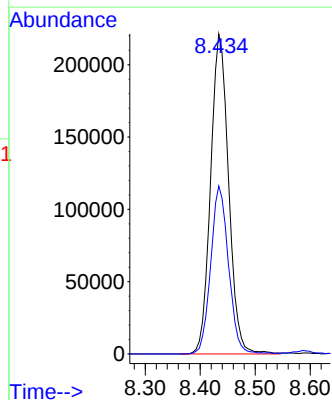
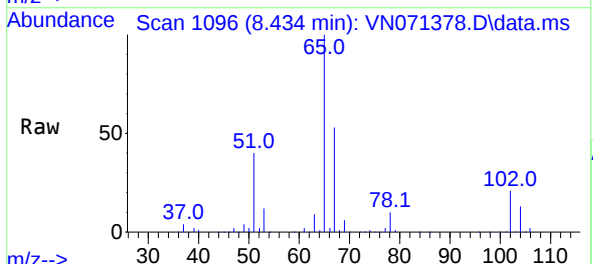
Acq: 18 Mar 2022 17:30

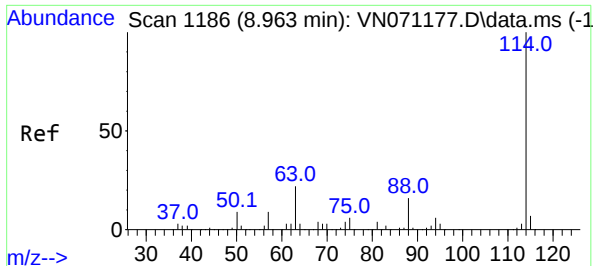
Tgt Ion: 65 Resp: 502957

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN071378.D

Acq: 18 Mar 2022 17:30

Instrument :

MSVOA_N

ClientSampleId :

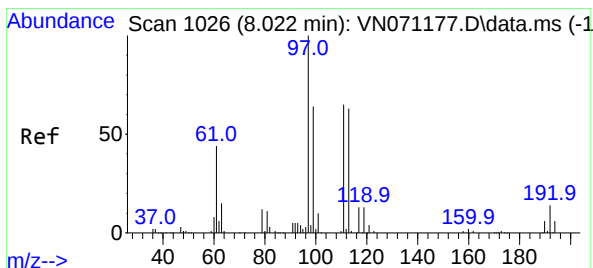
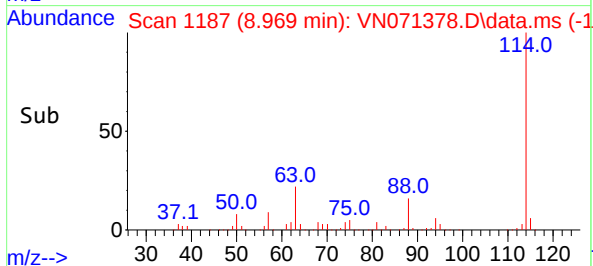
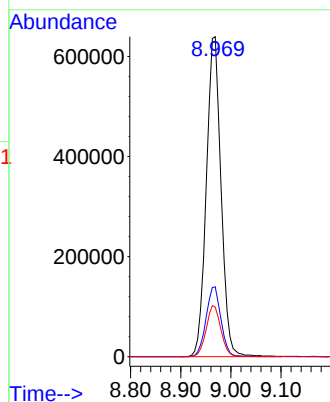
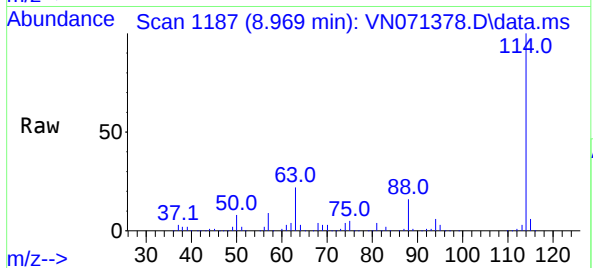
Tgt Ion:114 Resp: 1304561

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.185 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN071378.D

Acq: 18 Mar 2022 17:30

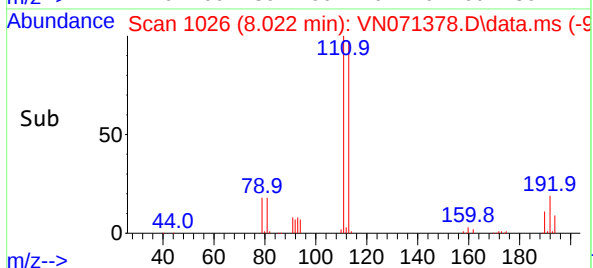
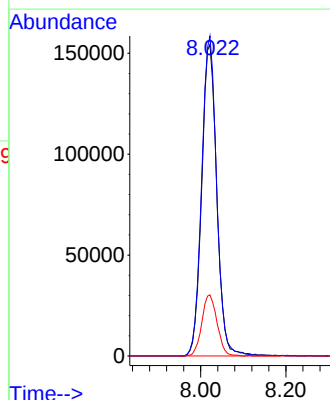
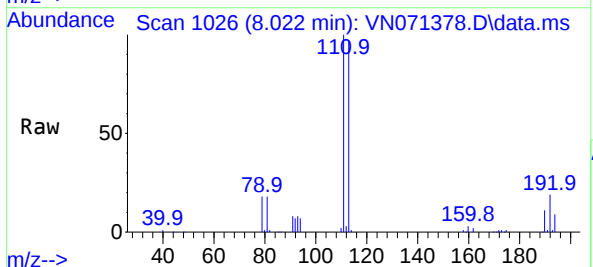
Tgt Ion:113 Resp: 380203

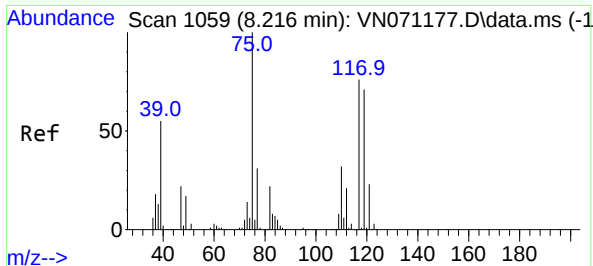
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071378.D

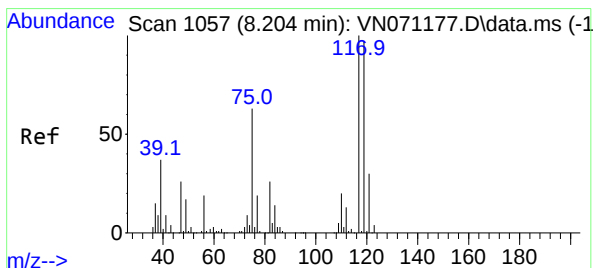
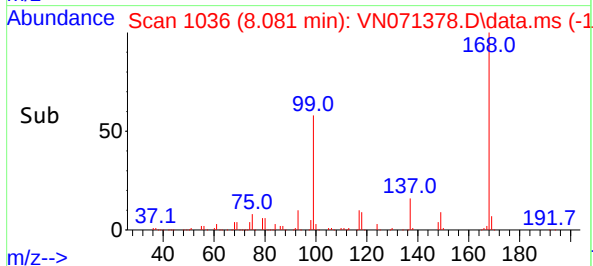
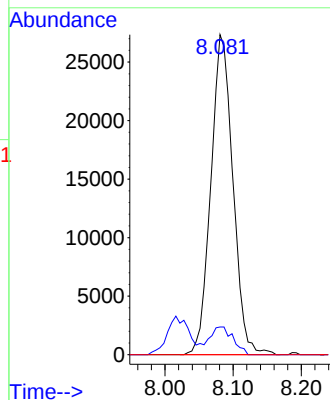
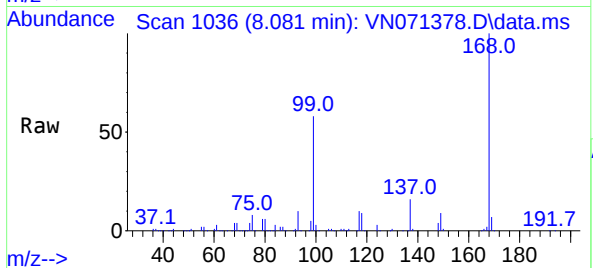
Acq: 18 Mar 2022 17:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 61610
Ion Ratio	Lower Upper
75 100	
110 8.8	18.4 55.2#
77 0.0	24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.846 ug/l

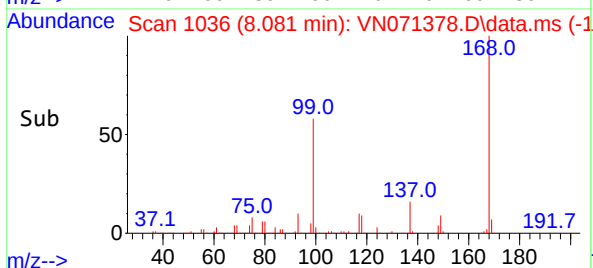
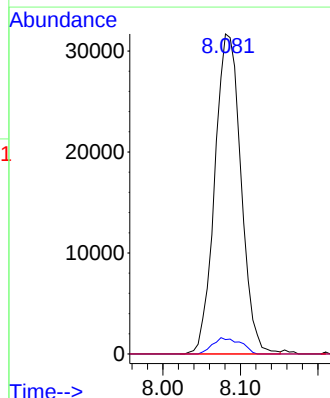
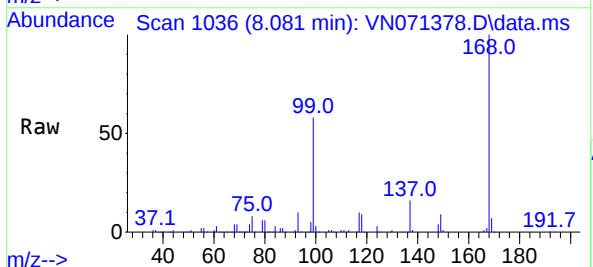
RT: 8.081 min Scan# 1036

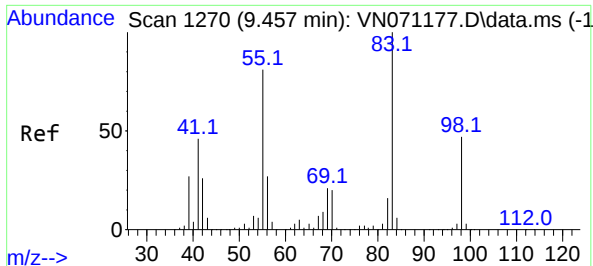
Delta R.T. -0.123 min

Lab File: VN071378.D

Acq: 18 Mar 2022 17:30

Tgt Ion: 117	Resp: 74587
Ion Ratio	Lower Upper
117 100	
119 4.5	76.1 114.1#
121 0.0	24.2 36.2#

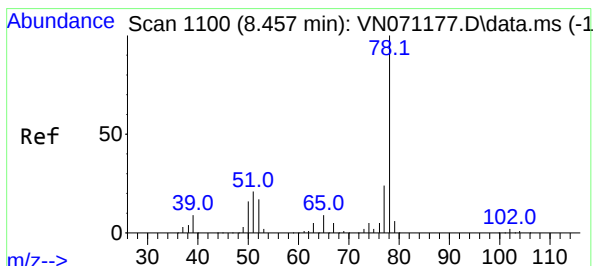
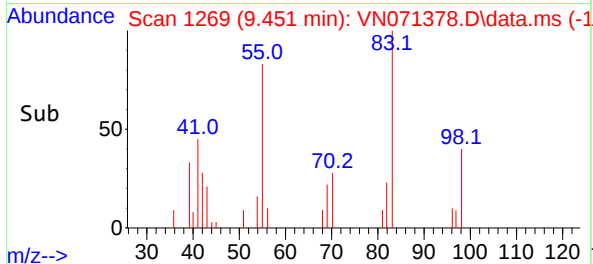
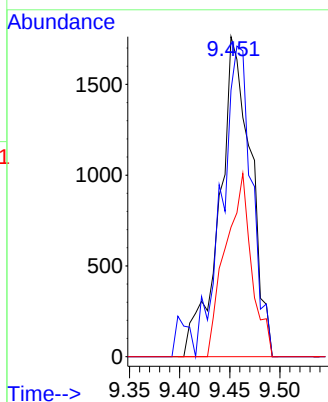
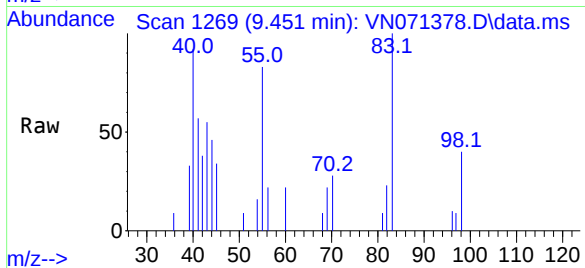




#39
Methylcyclohexane
Concen: 0.248 ug/l
RT: 9.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

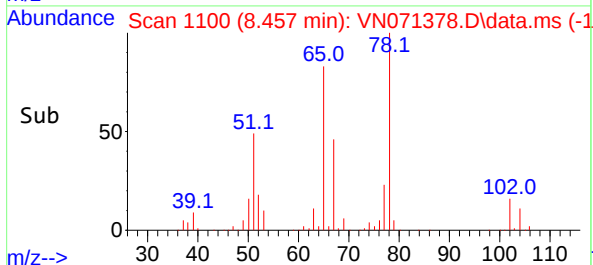
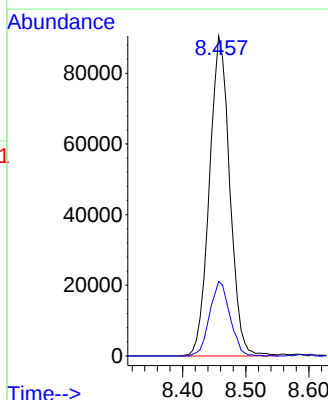
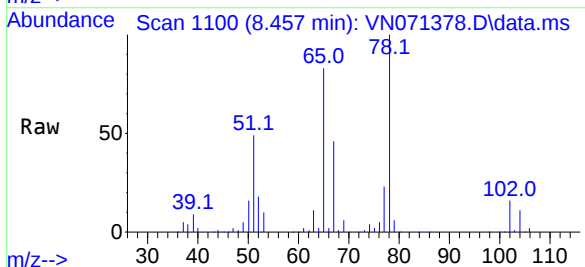
Instrument :
MSVOA_N
ClientSampleId :

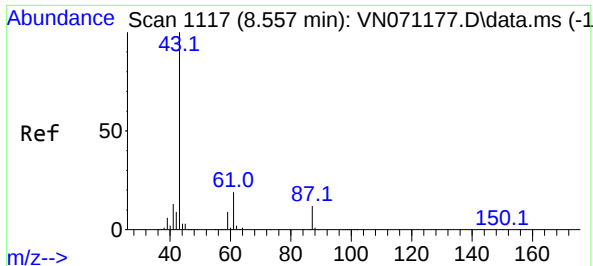
Tgt Ion: 83	Resp: 3850
Ion Ratio	Lower Upper
83 100	
55 83.3	58.1 87.1
98 40.4	38.4 57.6



#40
Benzene
Concen: 5.105 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 78	Resp: 202873
Ion Ratio	Lower Upper
78 100	
77 23.3	18.6 27.8

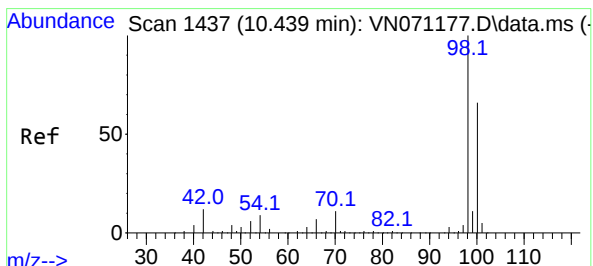
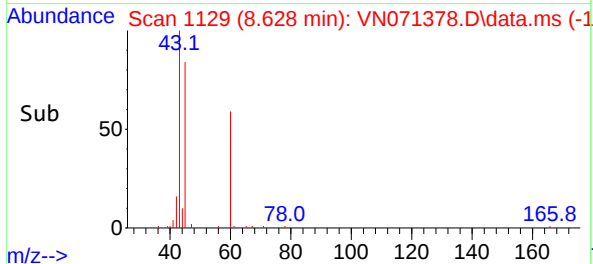
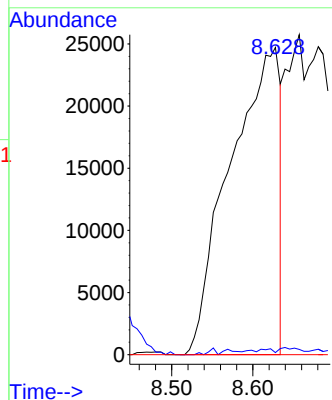
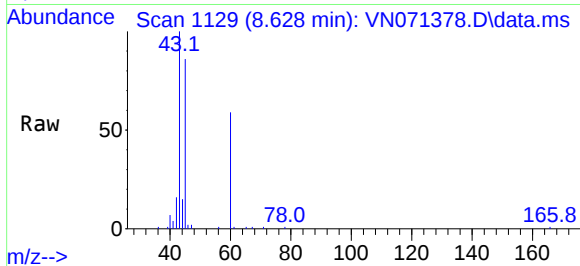




#43
Isopropyl Acetate
Concen: 3.870 ug/l
RT: 8.628 min Scan# 1117
Delta R.T. 0.071 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

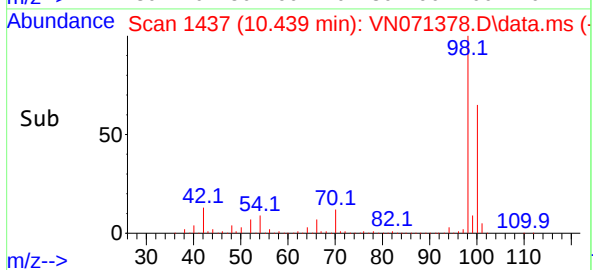
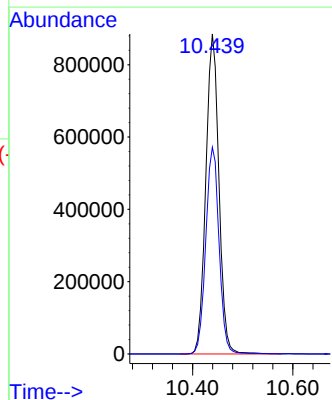
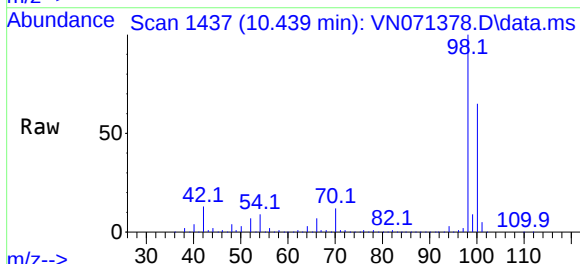
Instrument :
MSVOA_N
ClientSampleId :

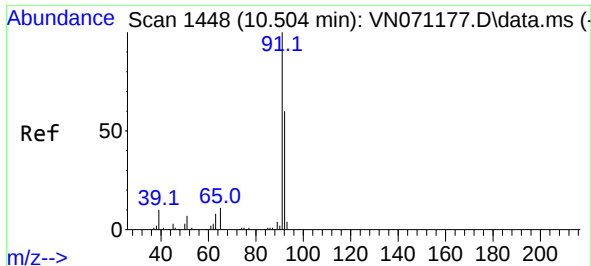
Tgt Ion: 43 Resp: 105041
Ion Ratio Lower Upper
43 100
61 0.4 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.456 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 98 Resp: 1606094
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6

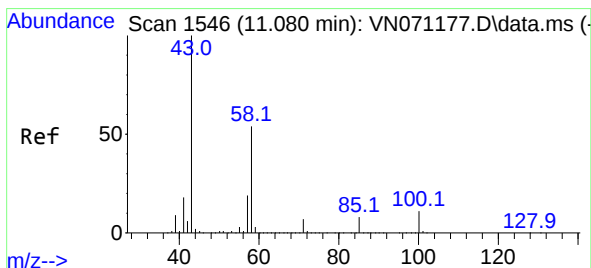
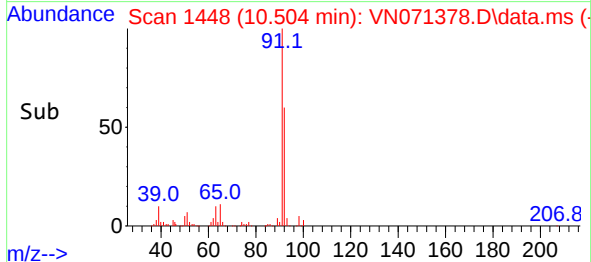
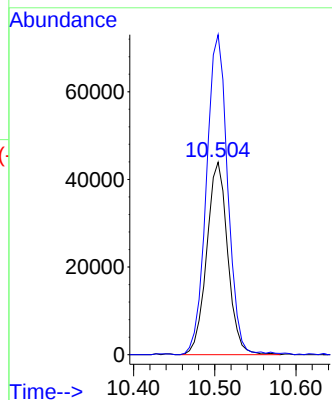
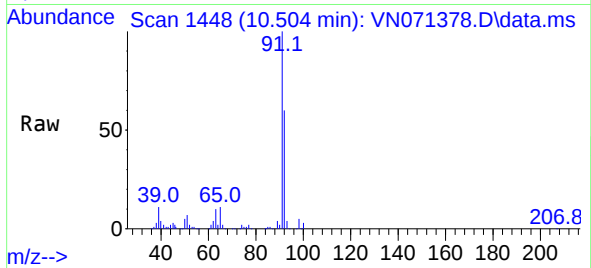




#52
Toluene
Concen: 3.224 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

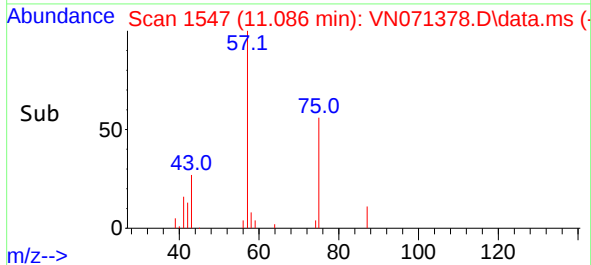
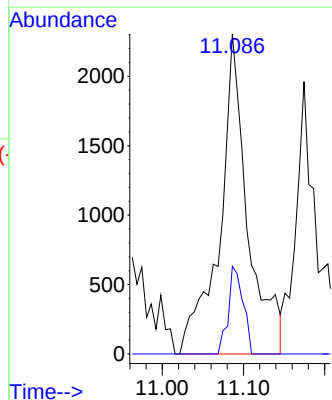
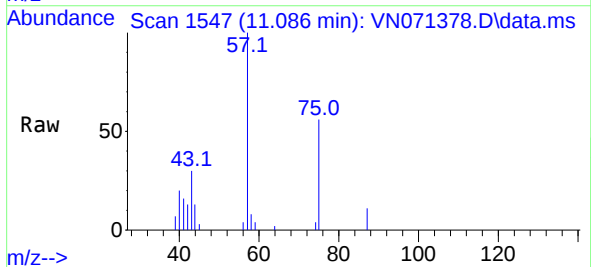
Instrument :
MSVOA_N
ClientSampleId :

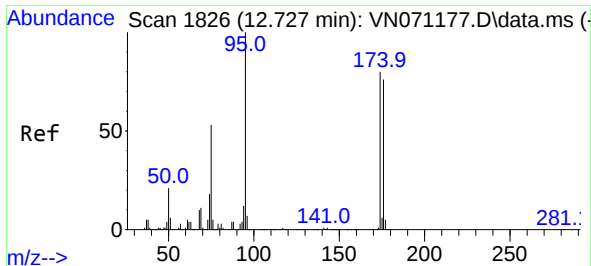
Tgt Ion: 92 Resp: 78895
Ion Ratio Lower Upper
92 100
91 168.7 142.0 213.0



#59
2-Hexanone
Concen: 0.480 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 43 Resp: 5512
Ion Ratio Lower Upper
43 100
58 14.4 26.9 80.7#

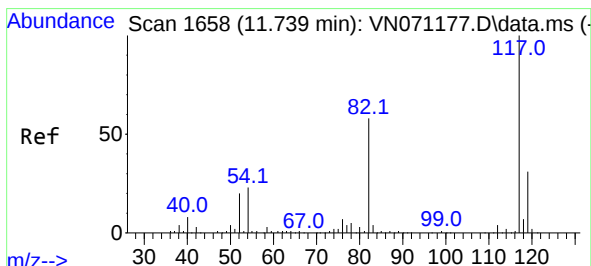
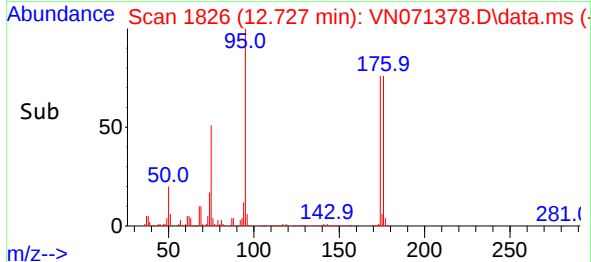
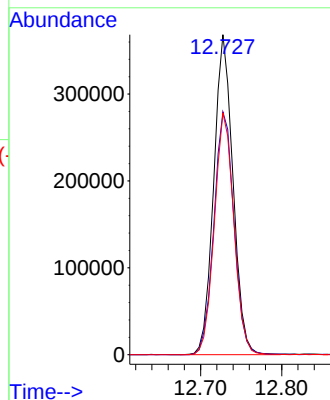
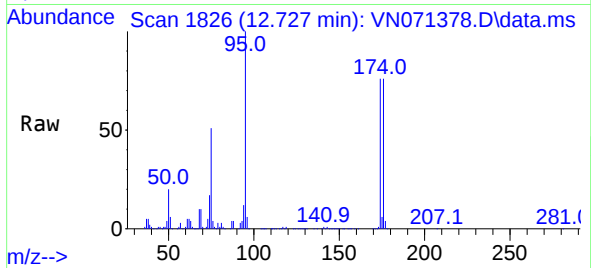




#62
4-Bromofluorobenzene
Concen: 54.009 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

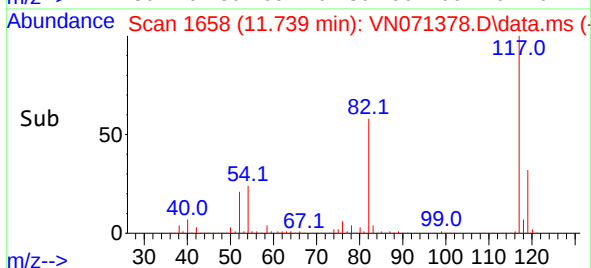
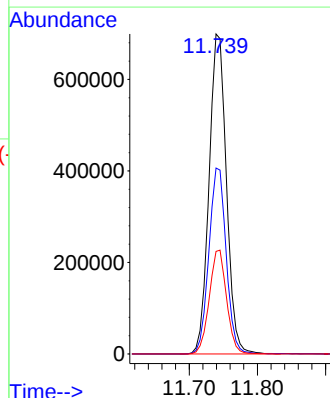
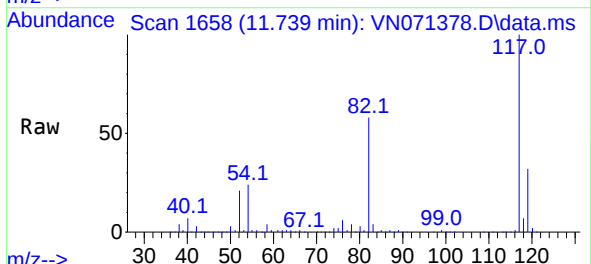
Instrument :
MSVOA_N
ClientSampleId :

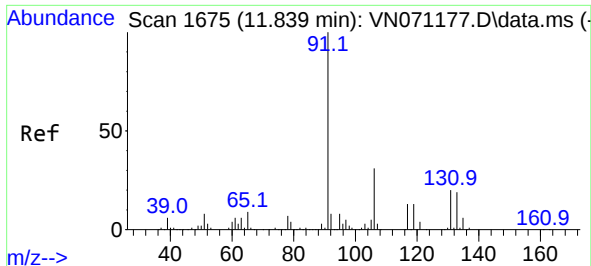
Tgt Ion: 95 Resp: 606190
Ion Ratio Lower Upper
95 100
174 79.3 0.0 187.2
176 76.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 117 Resp: 1241740
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 32.1 25.4 38.2

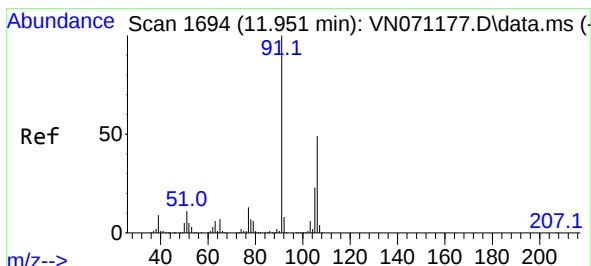
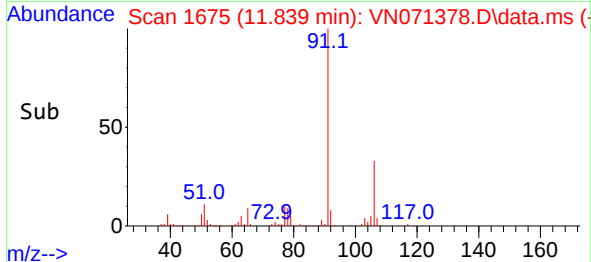
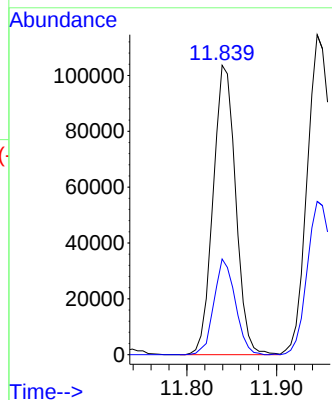
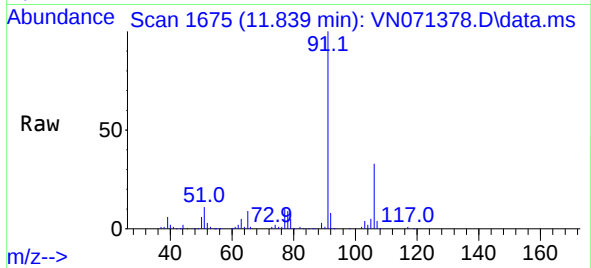




#67
Ethyl Benzene
Concen: 3.838 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

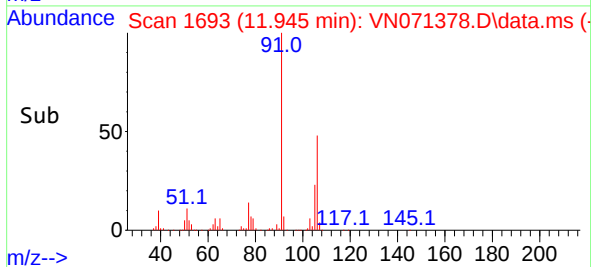
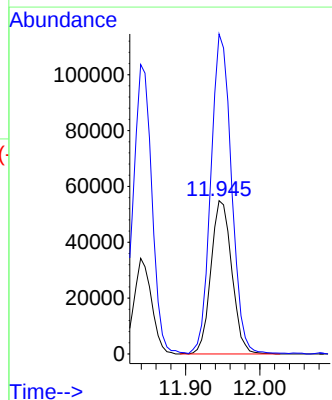
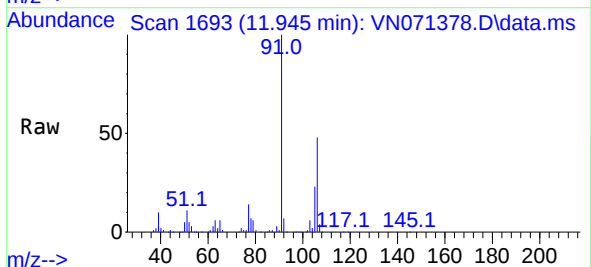
Instrument :
MSVOA_N
ClientSampleId :

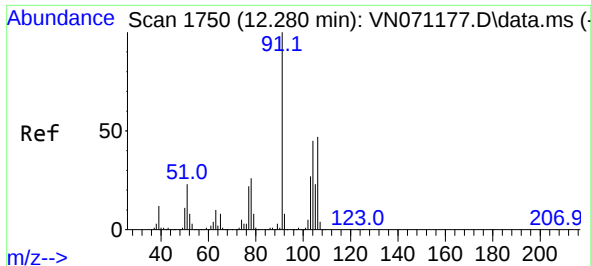
Tgt Ion: 91 Resp: 180957
Ion Ratio Lower Upper
91 100
106 33.1 25.7 38.5



#68
m/p-Xylenes
Concen: 6.222 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 106 Resp: 107318
Ion Ratio Lower Upper
106 100
91 205.8 160.6 240.8

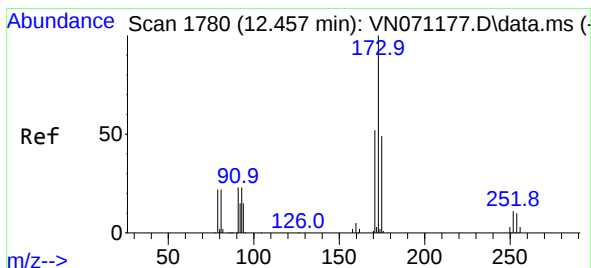
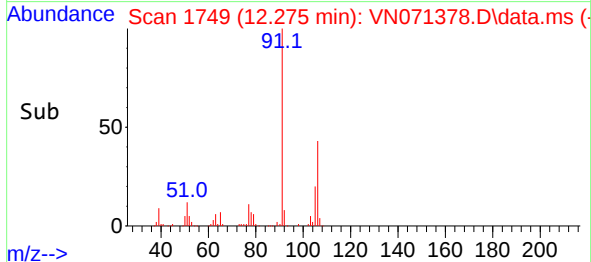
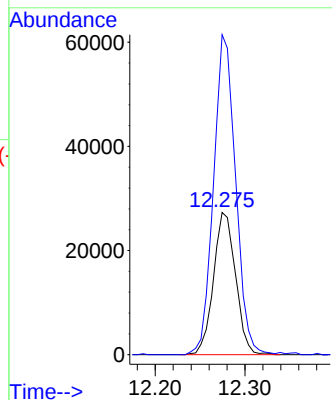
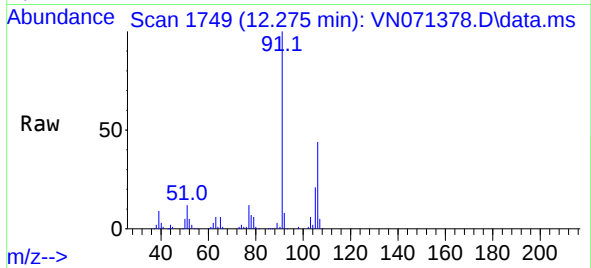




#69
o-Xylene
Concen: 2.700 ug/l
RT: 12.275 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

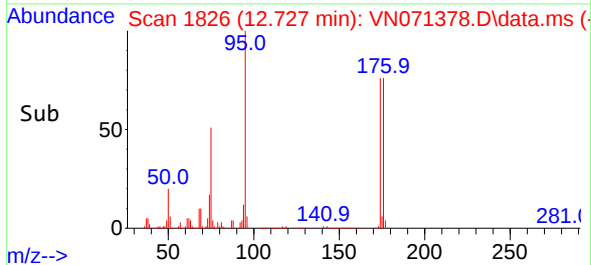
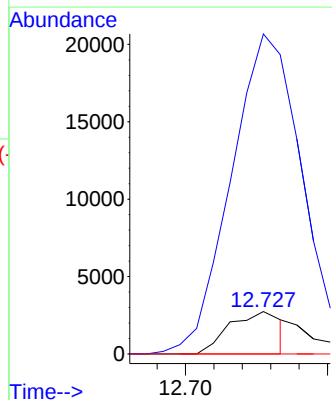
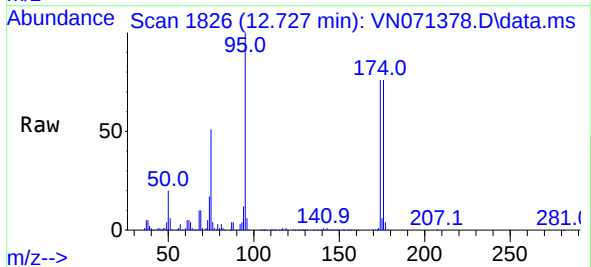
Instrument :
MSVOA_N
ClientSampleId :

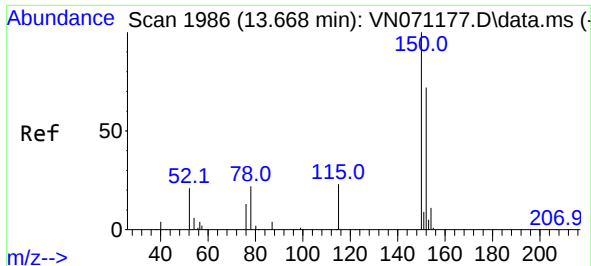
Tgt Ion:106 Resp: 46681
Ion Ratio Lower Upper
106 100
91 224.7 105.8 317.3



#71
Bromoform
Concen: 0.471 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

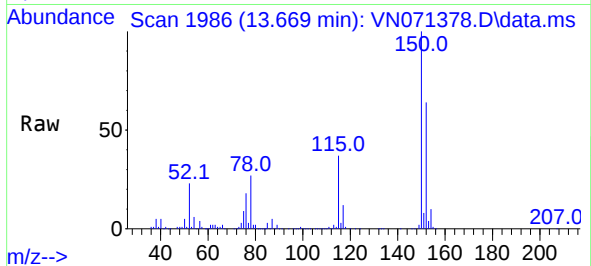
Tgt Ion:173 Resp: 3499
Ion Ratio Lower Upper
173 100
175 769.6 24.2 72.6#
254 0.0 0.0 0.0



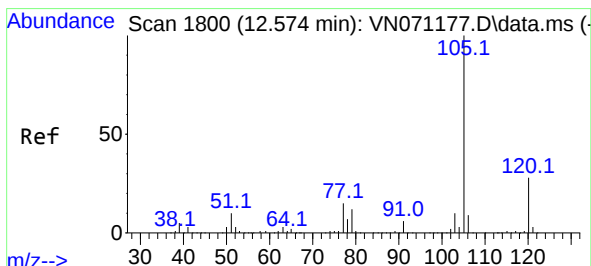
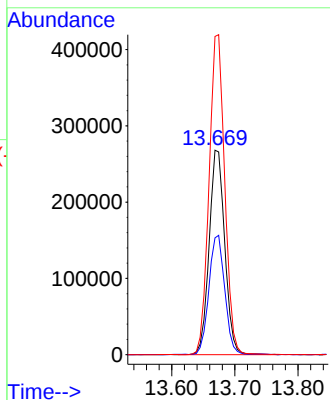
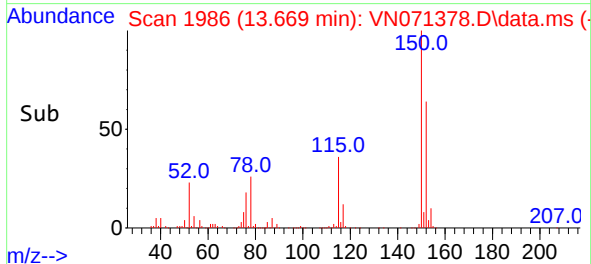


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

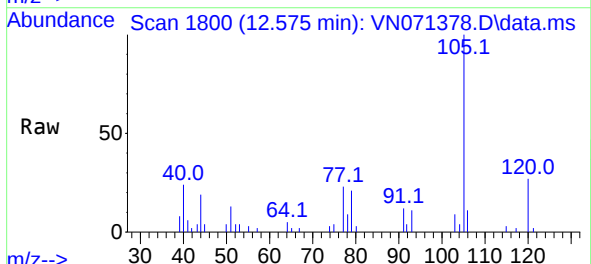
Instrument :
MSVOA_N
ClientSampleId :



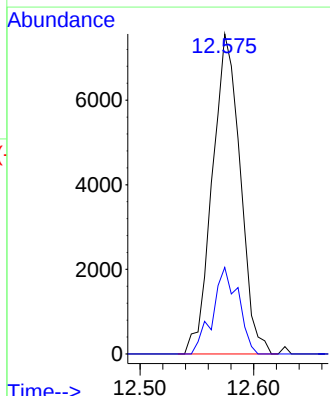
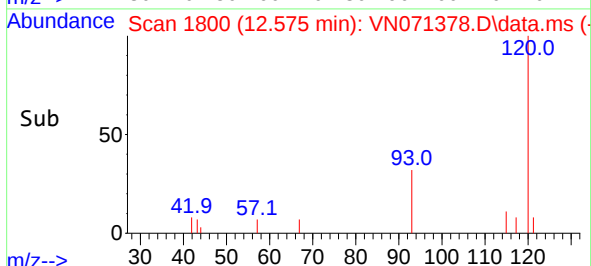
Tgt Ion:152 Resp: 461045
Ion Ratio Lower Upper
152 100
115 58.7 27.5 82.5
150 157.0 0.0 344.4

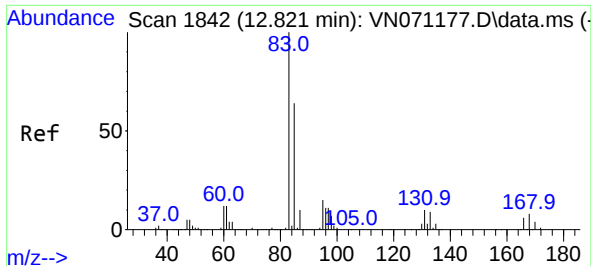


#73
Isopropylbenzene
Concen: 0.290 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. 0.001 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30



Tgt Ion:105 Resp: 12898
Ion Ratio Lower Upper
105 100
120 24.9 13.4 40.1

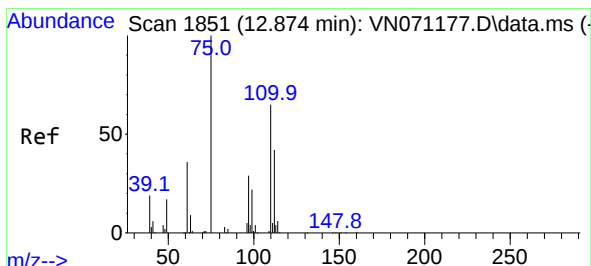
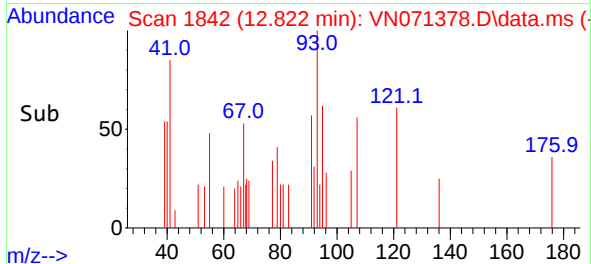
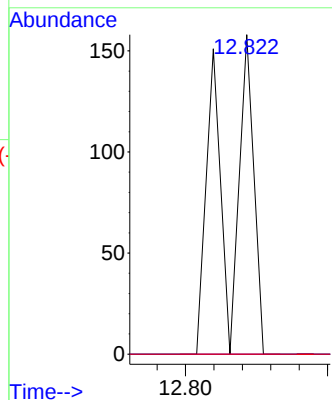
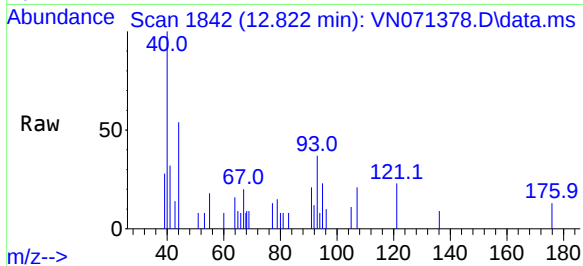




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.822 min Scan# 1842
Delta R.T. 0.001 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

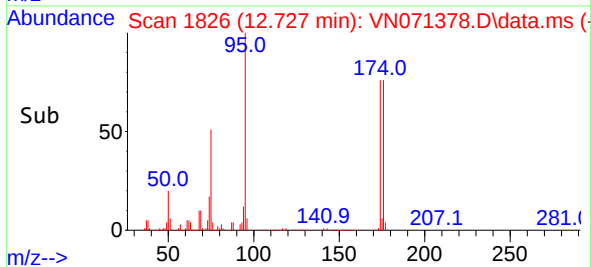
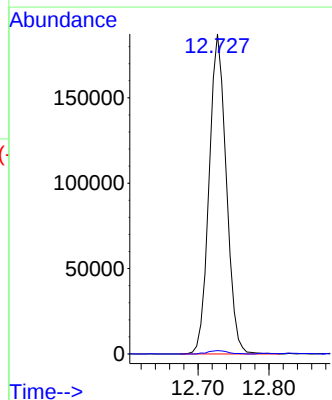
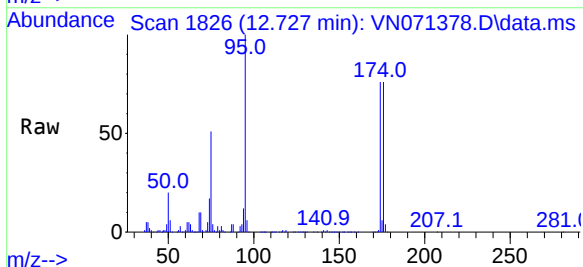
Instrument :
MSVOA_N
ClientSampleId :

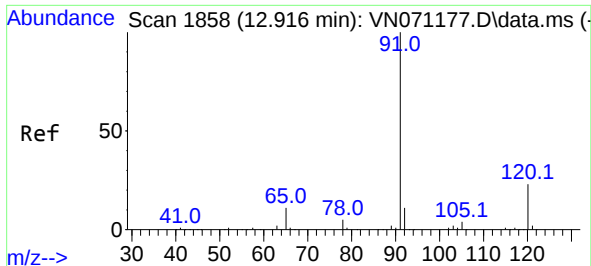
Tgt Ion: 83 Resp: 109
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.860 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 75 Resp: 314739
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

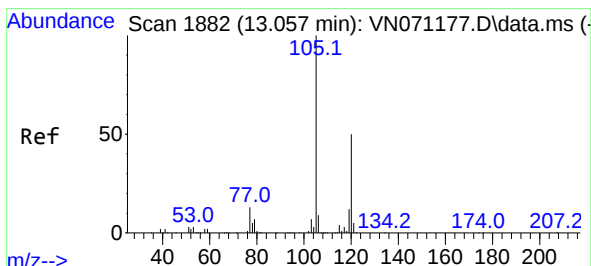
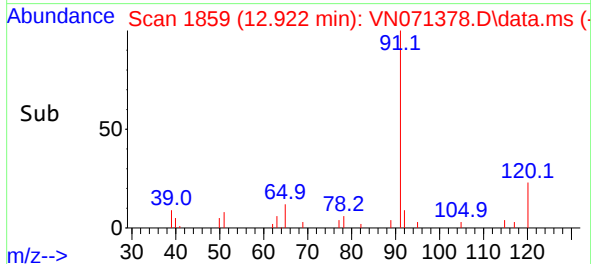
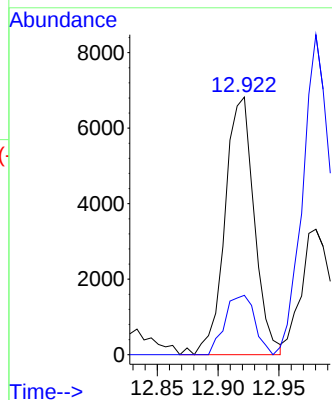
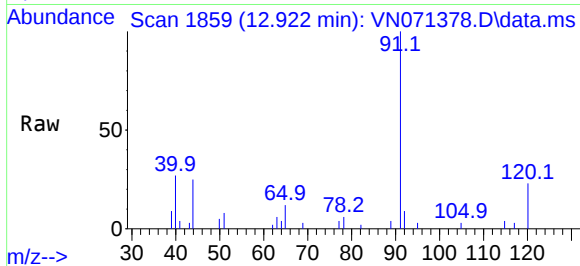




#78
n-propylbenzene
Concen: 0.240 ug/l
RT: 12.922 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

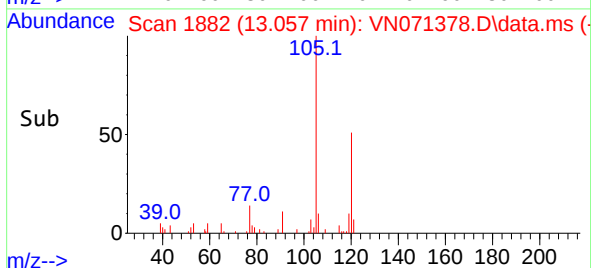
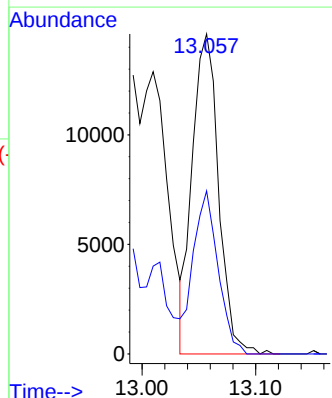
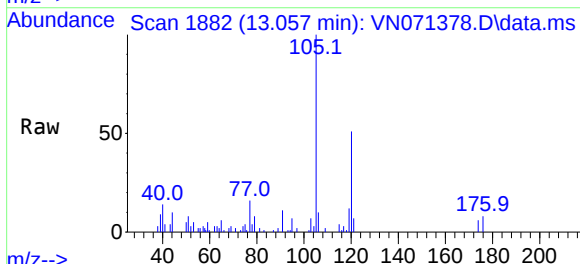
Instrument :
MSVOA_N
ClientSampleId :

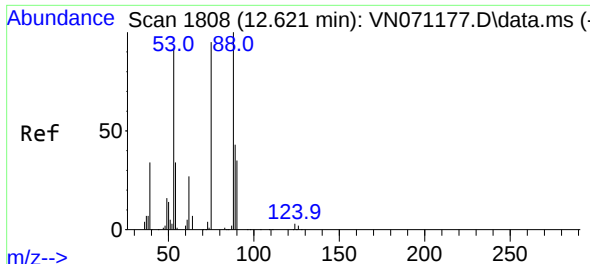
Tgt Ion: 91 Resp: 11448
Ion Ratio Lower Upper
91 100
120 23.4 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.679 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 105 Resp: 23479
Ion Ratio Lower Upper
105 100
120 48.1 24.6 73.6

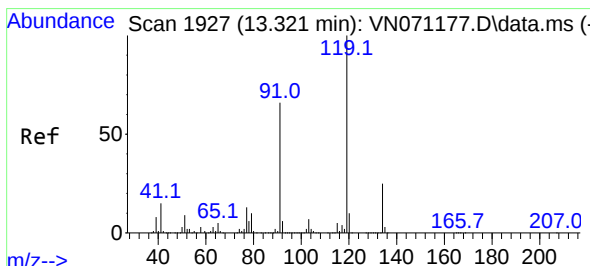
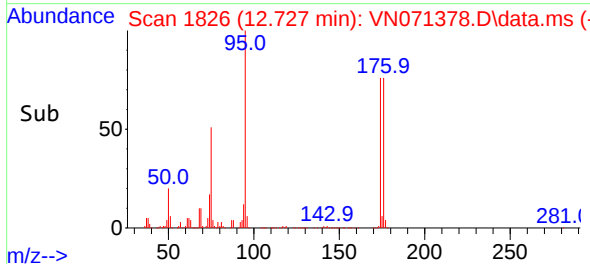
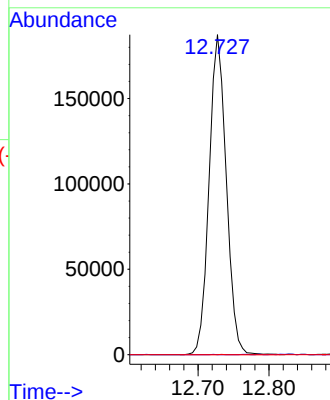
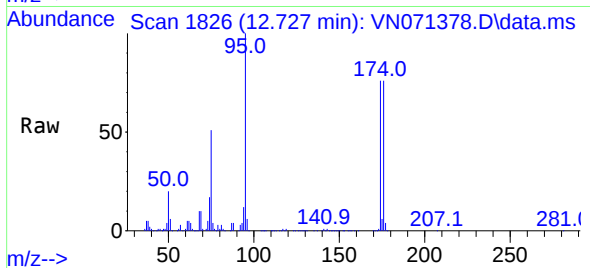




#81
trans-1,4-Dichloro-2-butene
Concen: 73.796 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

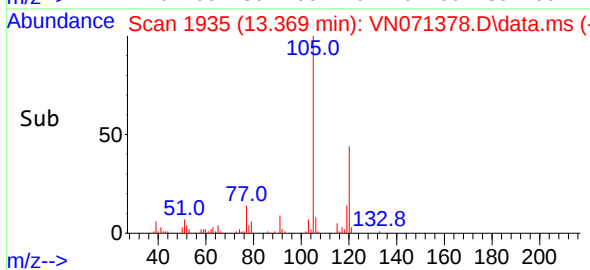
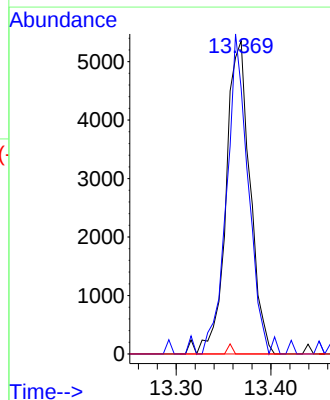
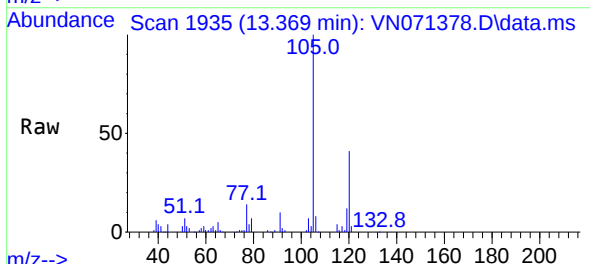
Instrument :
MSVOA_N
ClientSampleId :

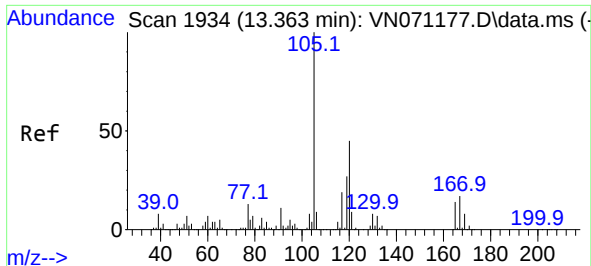
Tgt Ion: 75 Resp: 314739
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#83
tert-Butylbenzene
Concen: 0.306 ug/l
RT: 13.369 min Scan# 1935
Delta R.T. 0.047 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Tgt Ion: 119 Resp: 9454
Ion Ratio Lower Upper
119 100
91 92.1 31.5 94.5
134 0.6 12.4 37.4#

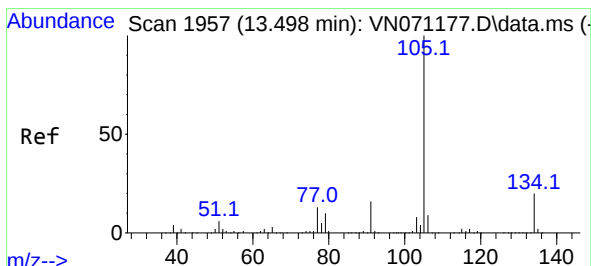
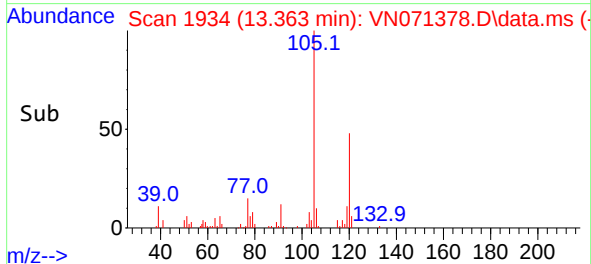
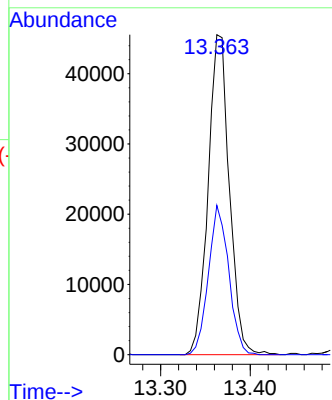
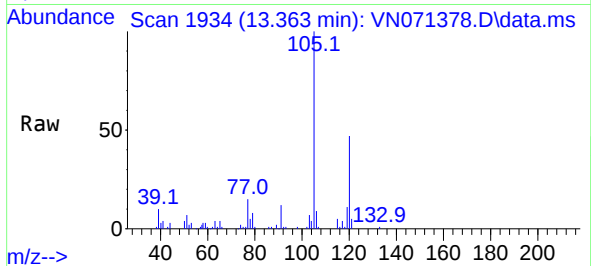




#84
1,2,4-Trimethylbenzene
Concen: 2.264 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

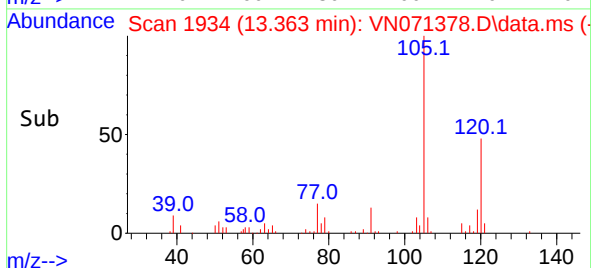
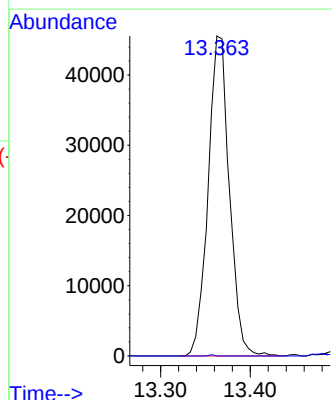
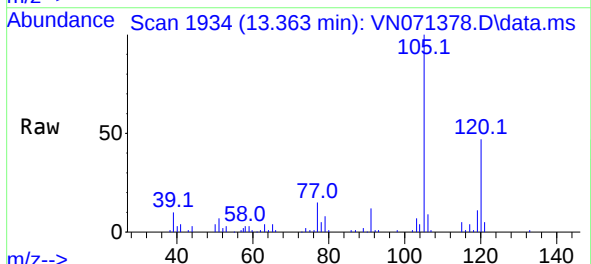
Instrument :
MSVOA_N
ClientSampleId :

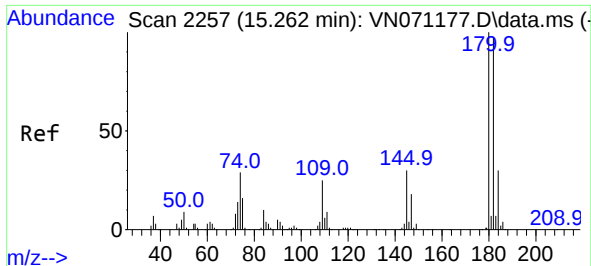
Tgt Ion:105 Resp: 74974
Ion Ratio Lower Upper
105 100
120 44.5 22.8 68.4



#85
sec-Butylbenzene
Concen: 1.828 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.135 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

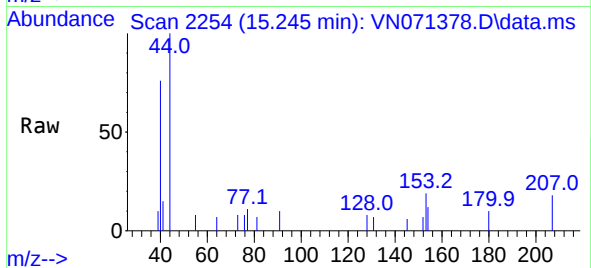
Tgt Ion:105 Resp: 74974
Ion Ratio Lower Upper
105 100
134 0.1 10.4 31.1#



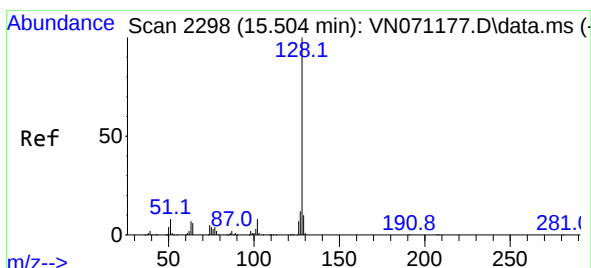
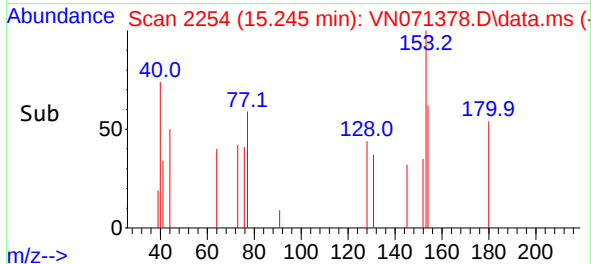
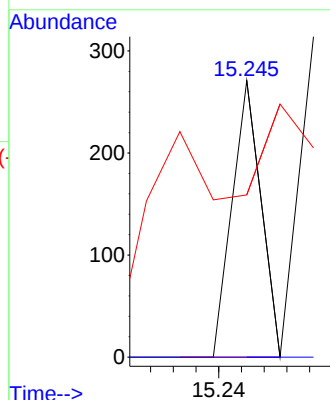


#93
1,2,4-Trichlorobenzene
Concen: 3.001 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.017 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

Instrument :
MSVOA_N
ClientSampleId :

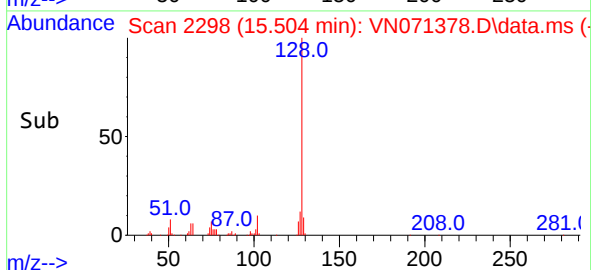
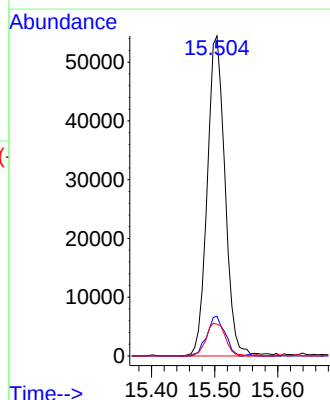
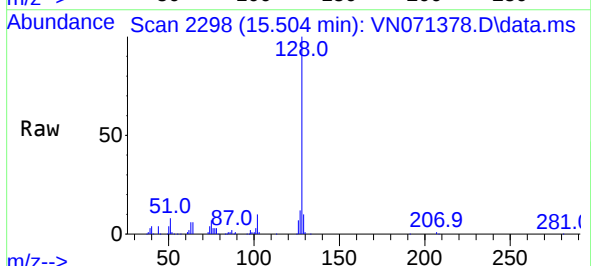


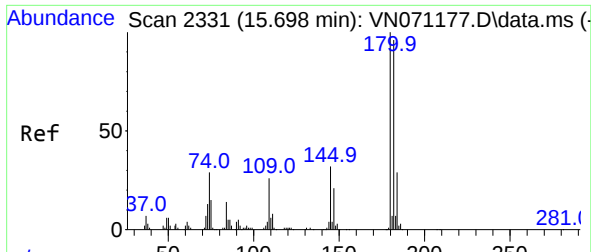
Tgt Ion:180 Resp: 96
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 193.8 14.5 43.5#



#95
Naphthalene
Concen: 9.599 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071378.D
Acq: 18 Mar 2022 17:30

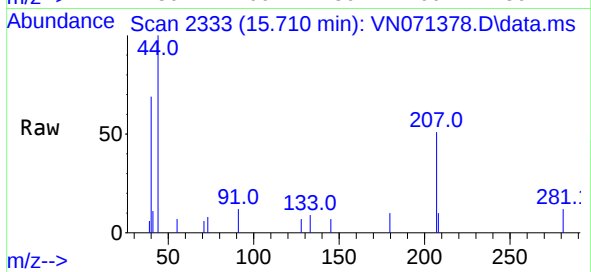
Tgt Ion:128 Resp: 106585
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.753 ug/l
 RT: 15.710 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071378.D
 Acq: 18 Mar 2022 17:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 162

Ion	Ratio	Lower	Upper
180	100		
182	166.0	47.4	142.2#
145	209.3	15.0	45.1#

