

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071286.D
 Acq On : 15 Mar 2022 12:41
 Operator : JC\MD
 Sample : VN0315WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBL01

Quant Time: Mar 15 18:57:26 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)

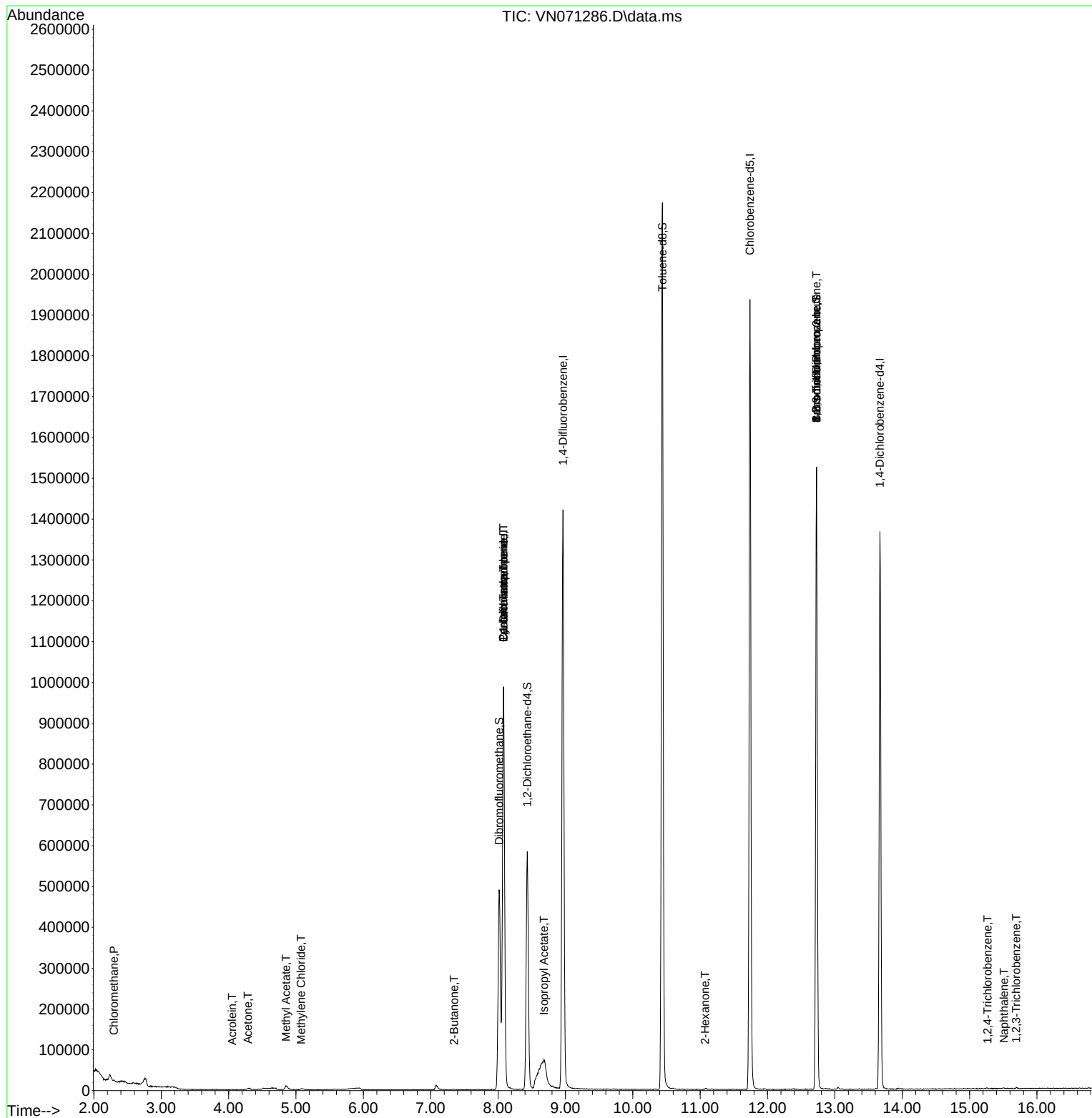
Internal Standards						
1) Pentafluorobenzene	8.081	168	744448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1240775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1131645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	380137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	476194	46.672	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.340%
35) Dibromofluoromethane	8.016	113	365695	46.706	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.420%
50) Toluene-d8	10.439	98	1489067	47.235	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.727	95	530370	49.683	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3102	0.249	ug/l #	79
5) Bromomethane	2.846	94	1016	Below Cal		98
13) Acrolein	4.051	56	666	0.314	ug/l #	69
16) Acetone	4.287	43	4191	0.844	ug/l	91
18) Methyl Acetate	4.851	43	19726	1.936	ug/l	96
20) Methylene Chloride	5.075	84	1074	0.499	ug/l #	73
25) 2-Butanone	7.345	43	2309	0.289	ug/l #	82
31) Cyclohexane	8.081	56	15074	0.925	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	59663	4.756	ug/l #	50
38) Carbon Tetrachloride	8.081	117	74147	6.111	ug/l #	16
43) Isopropyl Acetate	8.681	43	209204	8.103	ug/l #	55
59) 2-Hexanone	11.074	43	3095	0.283	ug/l #	43
71) Bromoform	12.727	173	3456	0.511	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.816	83	242	Below Cal	#	52
76) 1,2,3-Trichloropropane	12.727	75	271005	28.183	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	271005	77.066	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	873	3.121	ug/l #	15
95) Naphthalene	15.509	128	2730	5.208	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.692	180	1264	2.932	ug/l	79

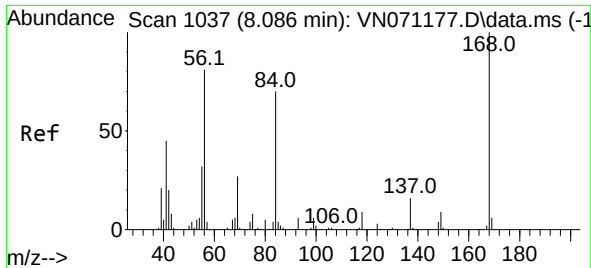
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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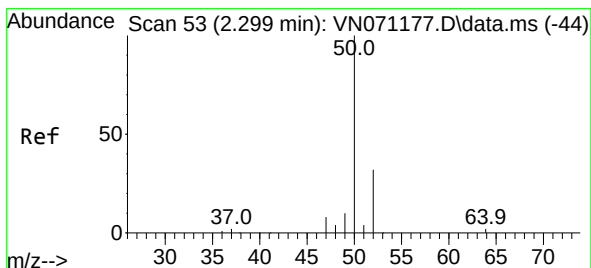
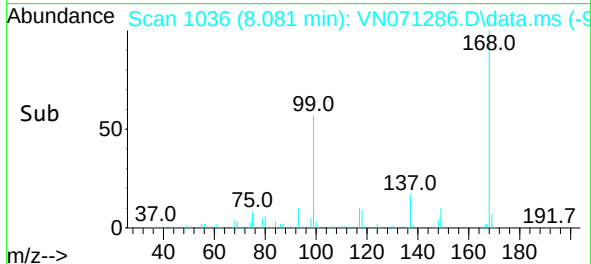
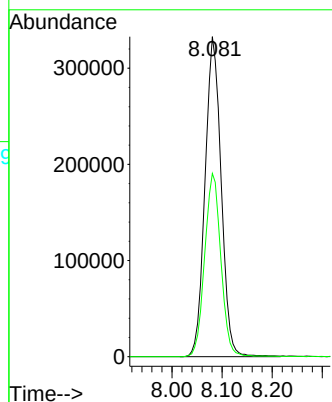
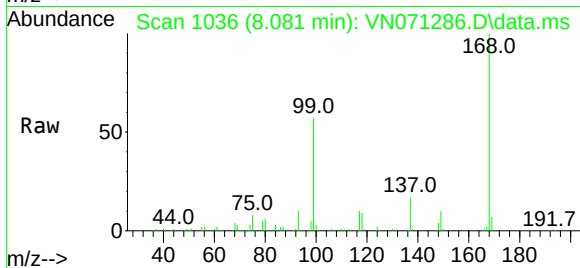




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

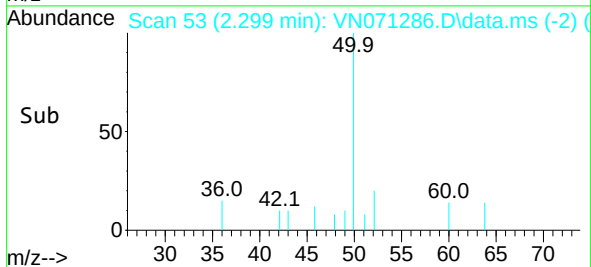
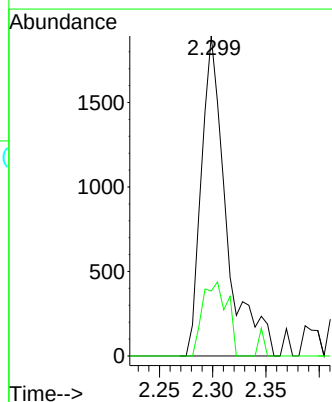
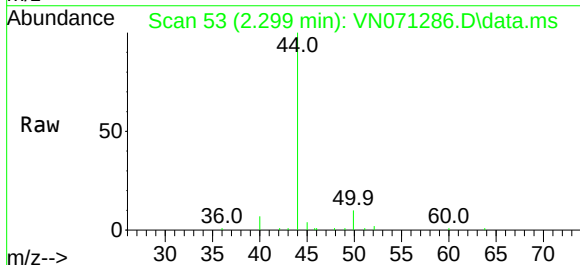
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

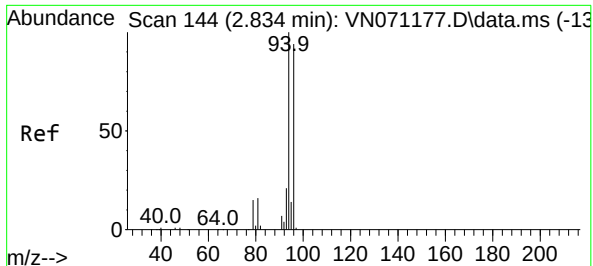
Tgt Ion:168 Resp: 744448
Ion Ratio Lower Upper
168 100
99 57.2 41.3 61.9



#3
Chloromethane
Concen: 0.249 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Tgt Ion: 50 Resp: 3102
Ion Ratio Lower Upper
50 100
52 20.3 25.4 38.0#

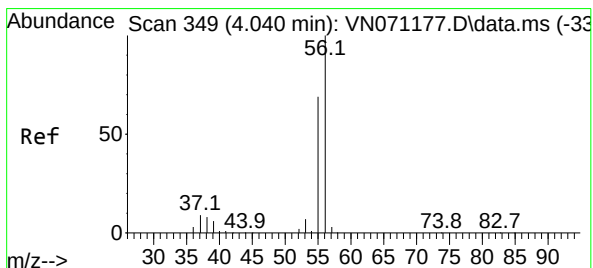
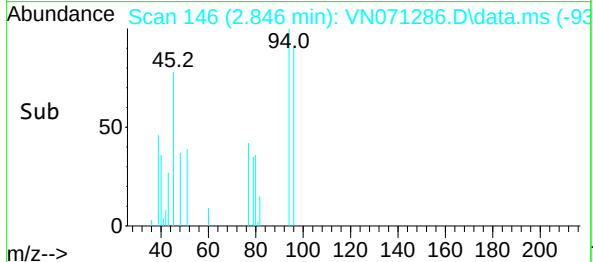
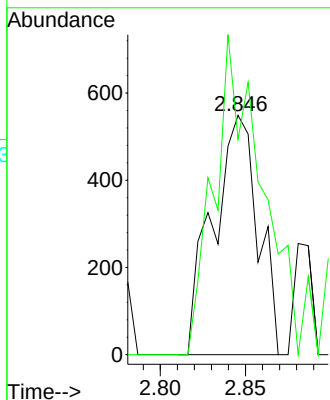
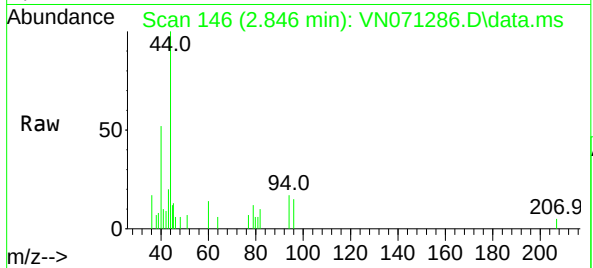




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 144
Delta R.T. 0.012 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

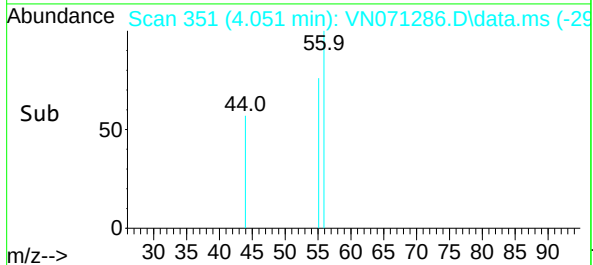
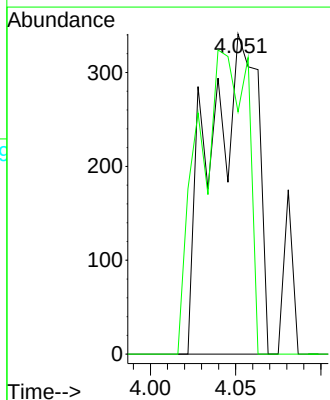
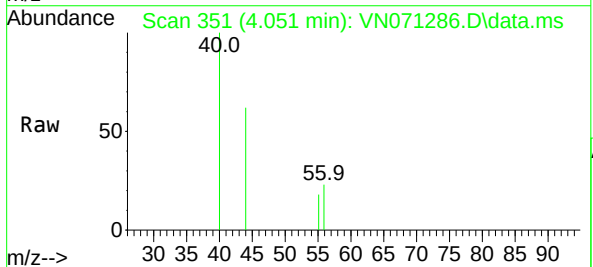
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

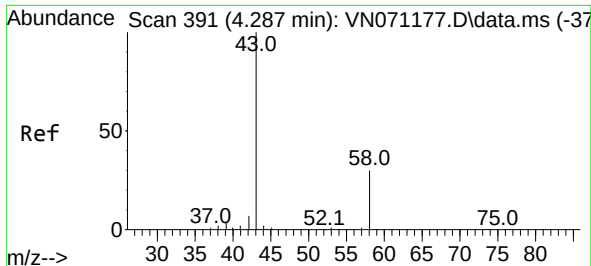
Tgt Ion: 94 Resp: 1016
Ion Ratio Lower Upper
94 100
96 90.0 73.8 110.8



#13
Acrolein
Concen: 0.314 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Tgt Ion: 56 Resp: 666
Ion Ratio Lower Upper
56 100
55 96.4 56.6 85.0#

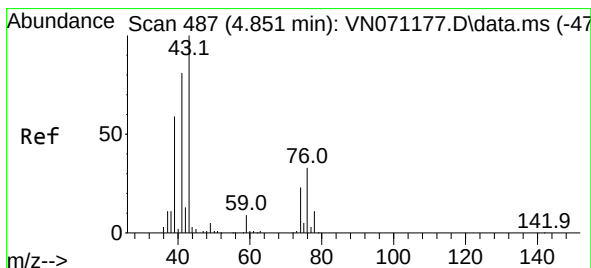
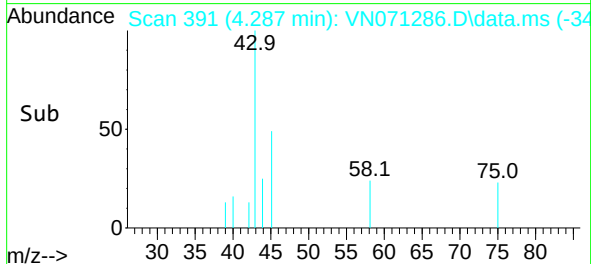
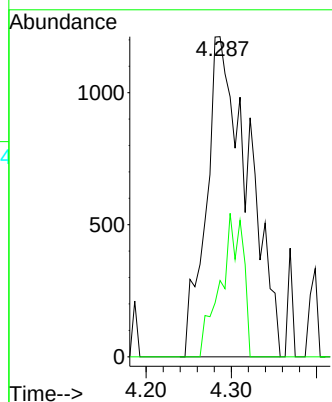
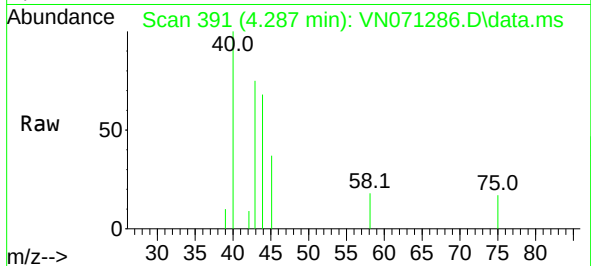




#16
Acetone
Concen: 0.844 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

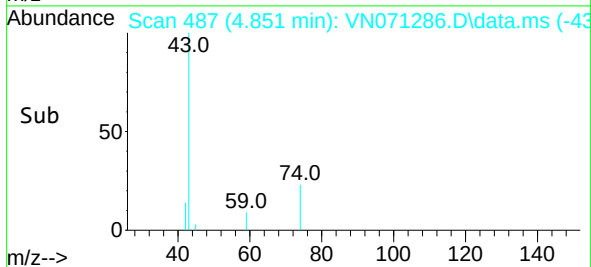
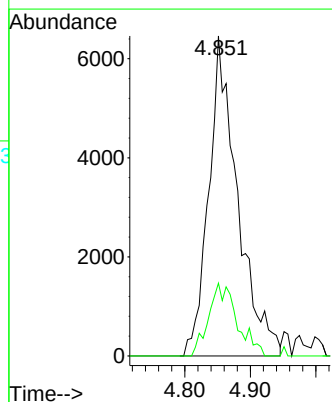
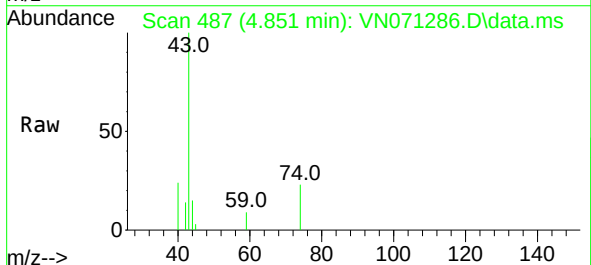
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

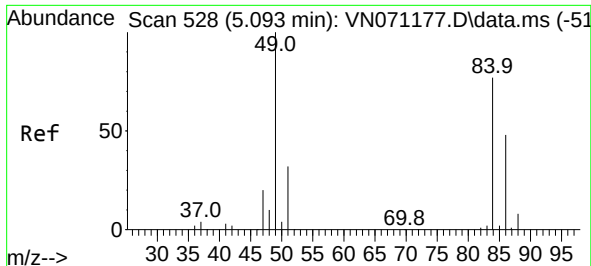
Tgt Ion: 43 Resp: 4191
Ion Ratio Lower Upper
43 100
58 23.8 23.1 34.7



#18
Methyl Acetate
Concen: 1.936 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

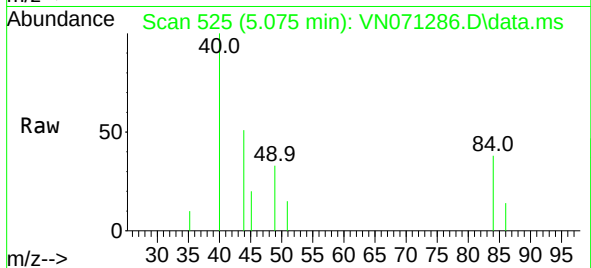
Tgt Ion: 43 Resp: 19726
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.2





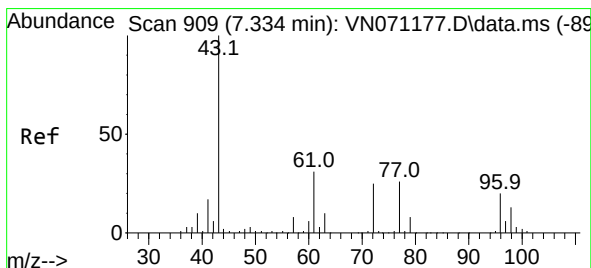
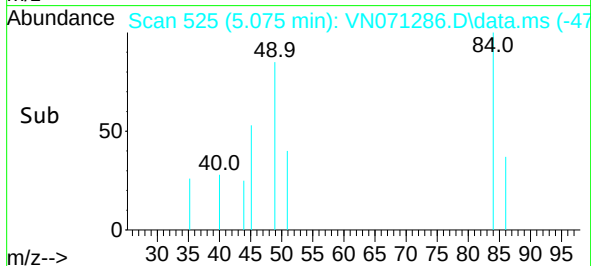
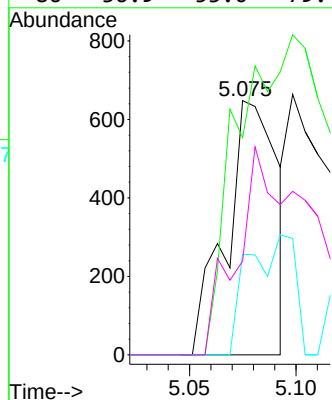
#20
Methylene Chloride
Concen: 0.499 ug/l
RT: 5.075 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01



Tgt Ion: 84 Resp: 1074

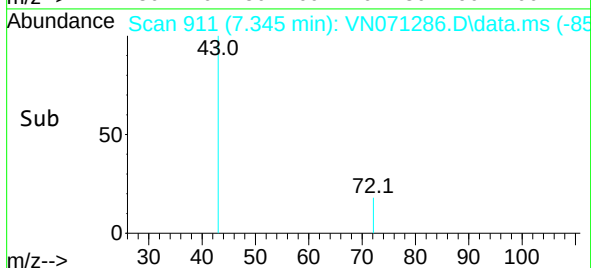
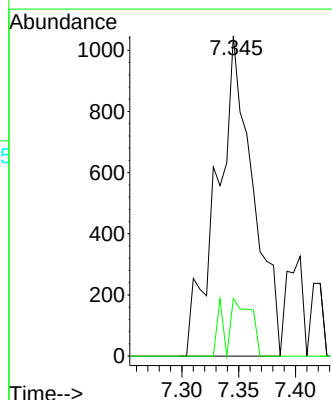
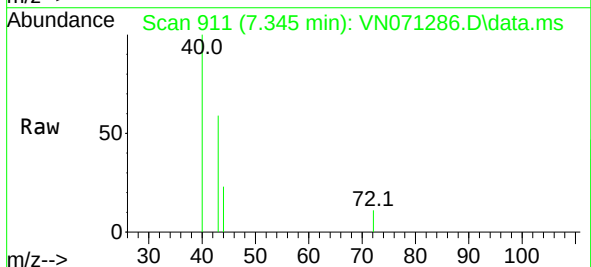
Ion	Ratio	Lower	Upper
84	100		
49	85.5	93.5	140.3#
51	39.5	29.4	44.2
86	36.9	53.0	79.4#

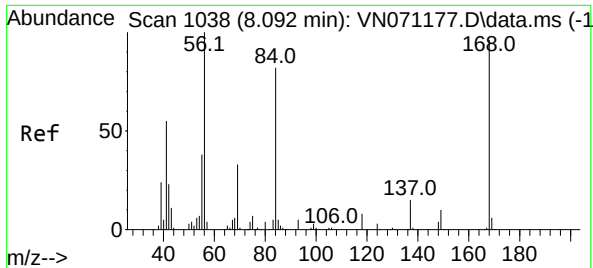


#25
2-Butanone
Concen: 0.289 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Tgt Ion: 43 Resp: 2309

Ion	Ratio	Lower	Upper
43	100		
72	18.0	21.7	32.5#





#31

Cyclohexane

Concen: 0.925 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071286.D

Acq: 15 Mar 2022 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01

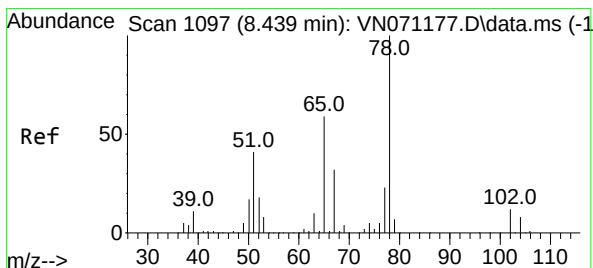
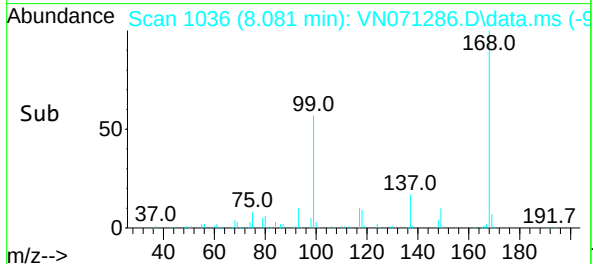
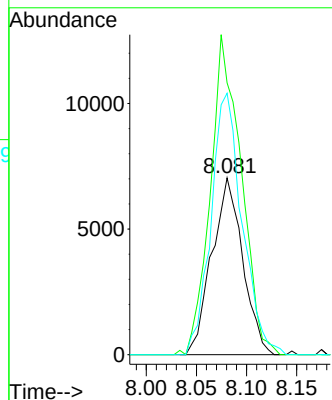
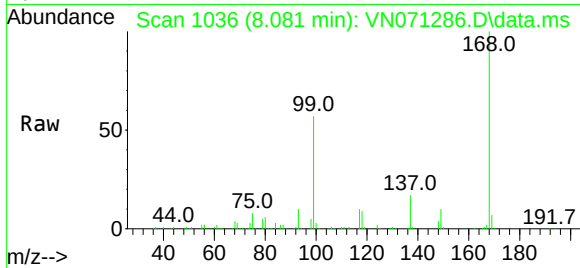
Tgt Ion: 56 Resp: 15074

Ion Ratio Lower Upper

56 100

69 153.7 27.1 40.7#

84 147.8 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.672 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071286.D

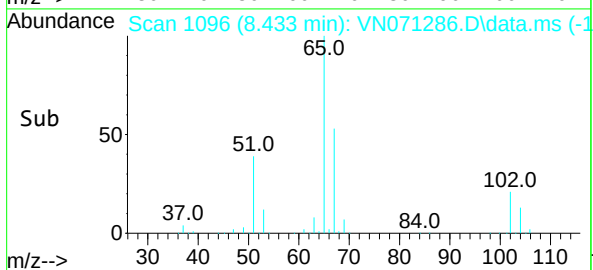
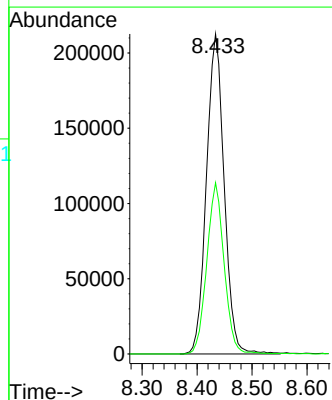
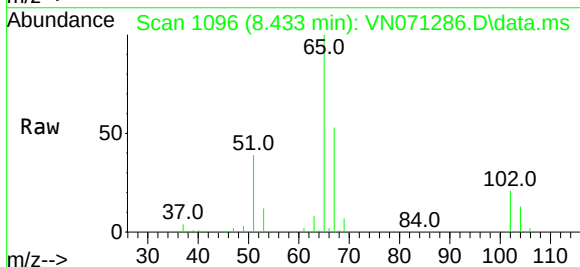
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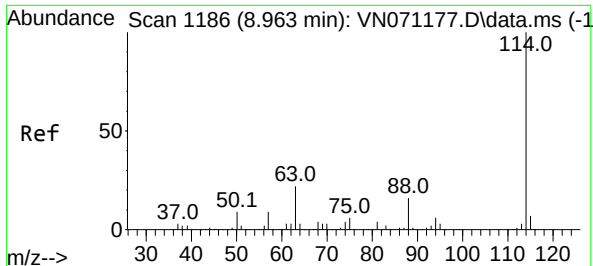
Tgt Ion: 65 Resp: 476194

Ion Ratio Lower Upper

65 100

67 52.3 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: VN071286.D

Acq: 15 Mar 2022 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01

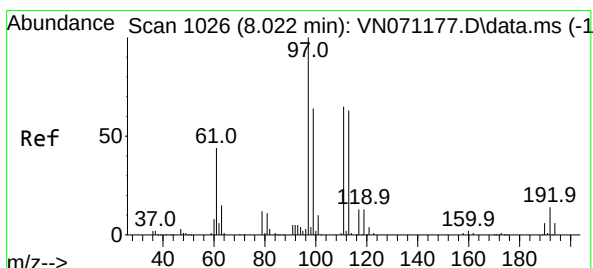
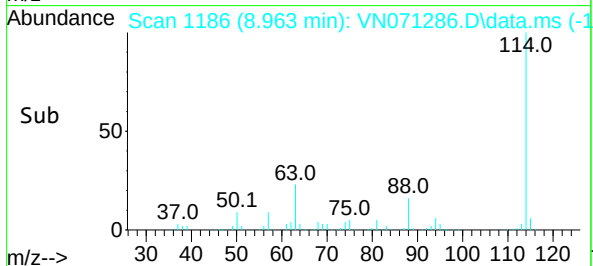
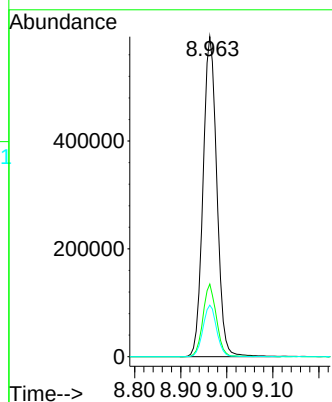
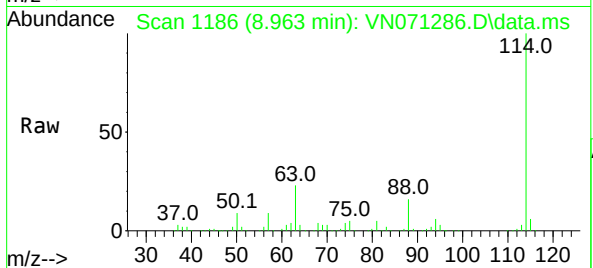
Tgt Ion:114 Resp: 1240775

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.706 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071286.D

Acq: 15 Mar 2022 12:41

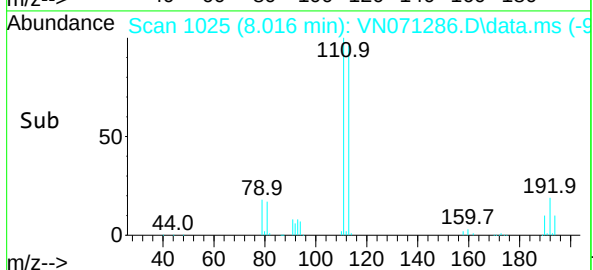
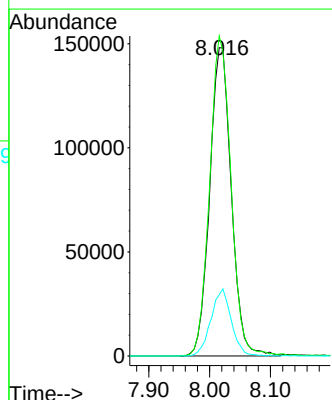
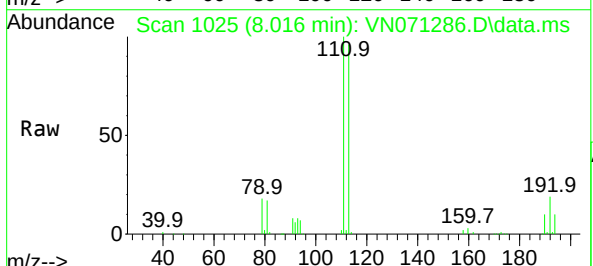
Tgt Ion:113 Resp: 365695

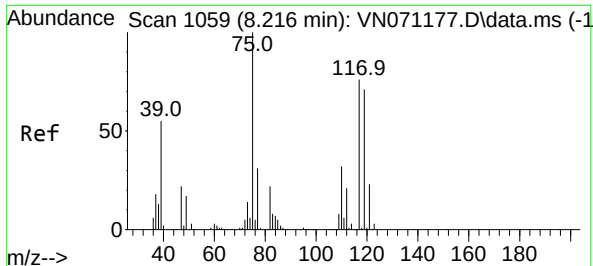
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.756 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071286.D

Acq: 15 Mar 2022 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01

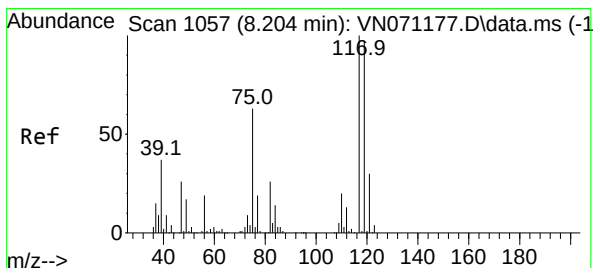
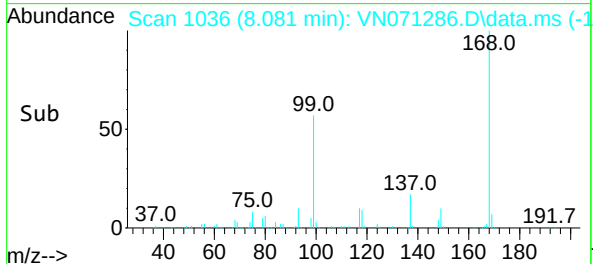
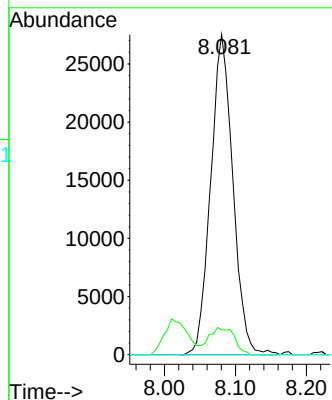
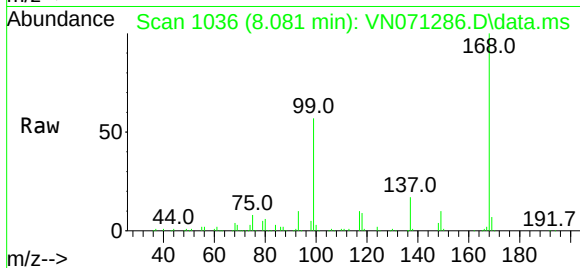
Tgt Ion: 75 Resp: 59663

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.111 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071286.D

Acq: 15 Mar 2022 12:41

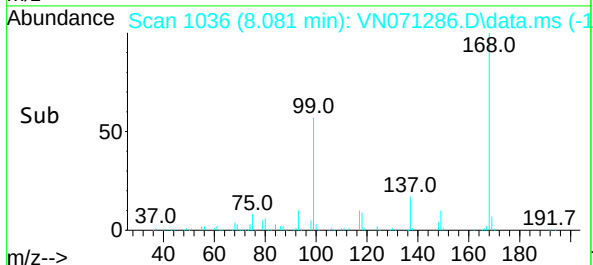
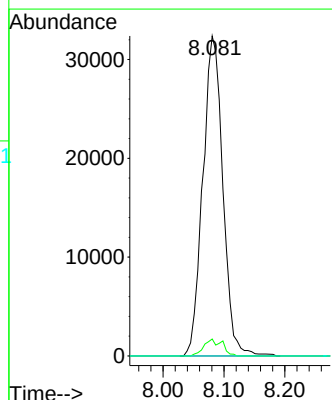
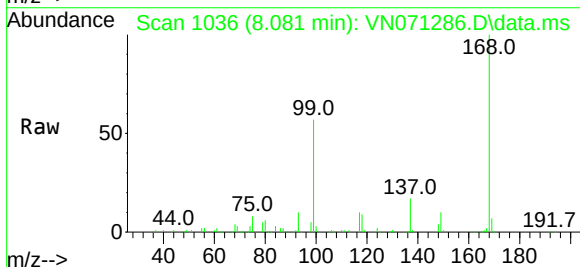
Tgt Ion: 117 Resp: 74147

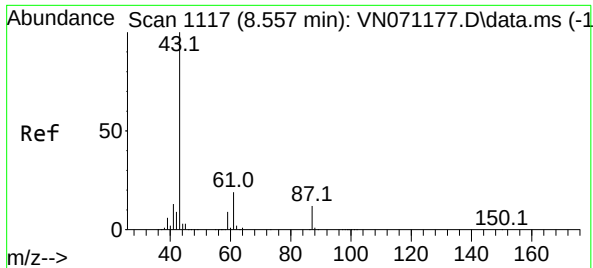
Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.2 36.2#

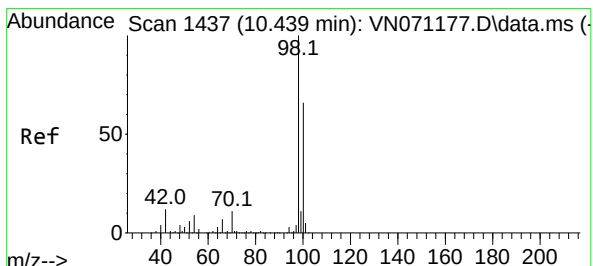
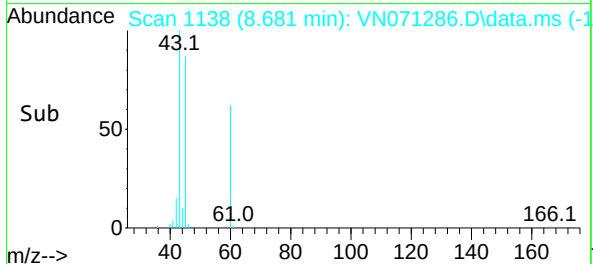
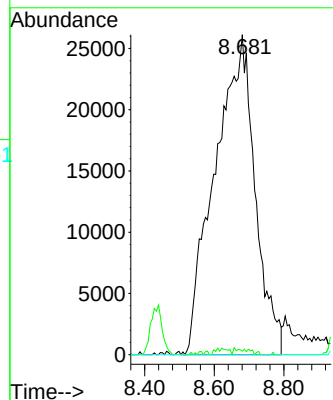
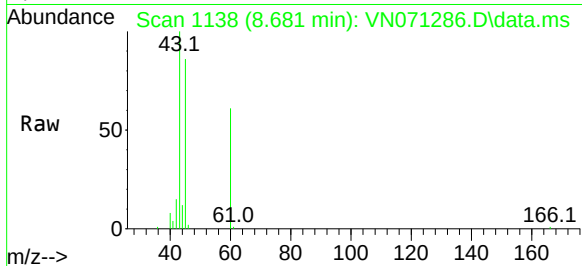




#43
Isopropyl Acetate
Concen: 8.103 ug/l
RT: 8.681 min Scan# 1117
Delta R.T. 0.124 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

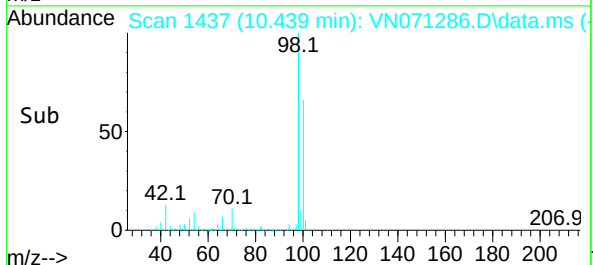
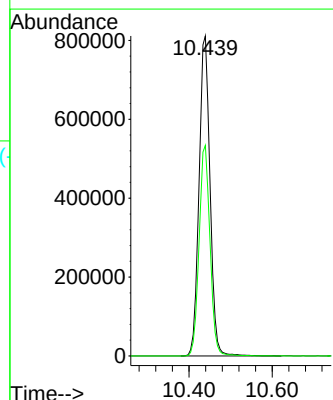
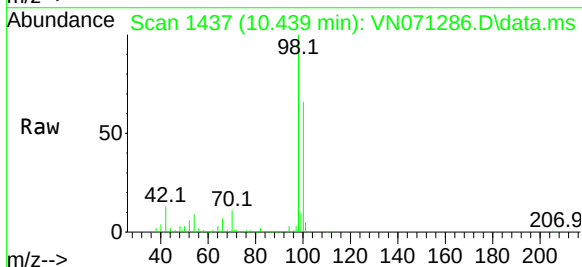
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

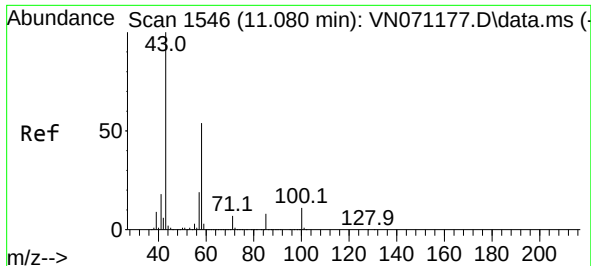
Tgt Ion: 43 Resp: 209204
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 47.235 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Tgt Ion: 98 Resp: 1489067
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

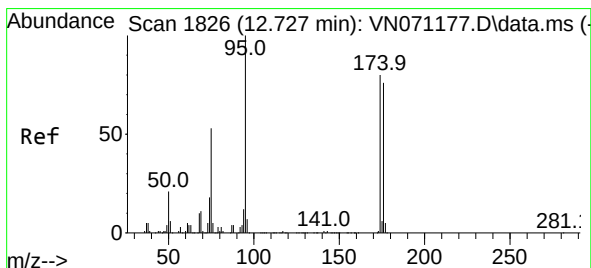
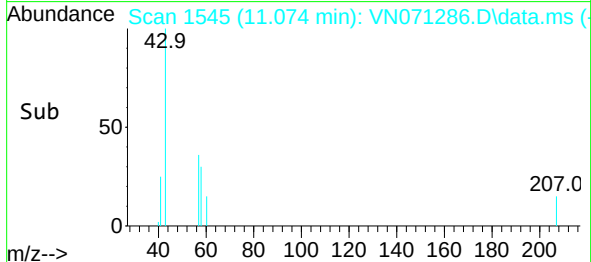
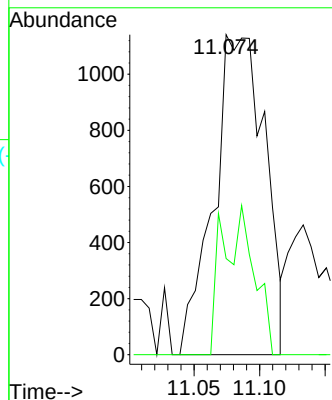
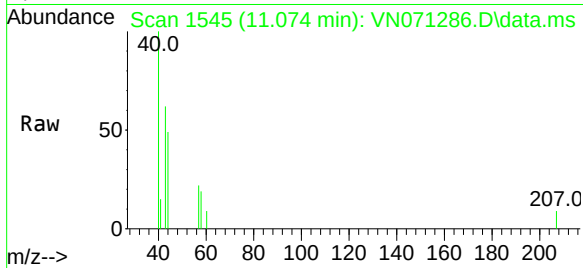




#59
2-Hexanone
Concen: 0.283 ug/l
RT: 11.074 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

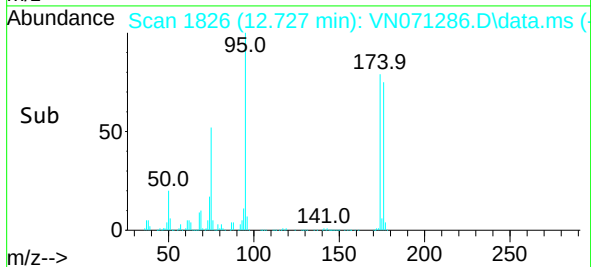
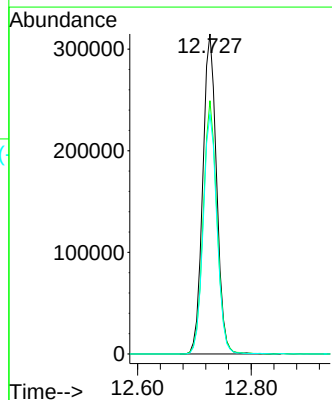
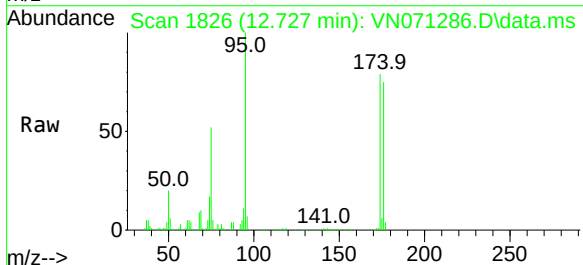
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

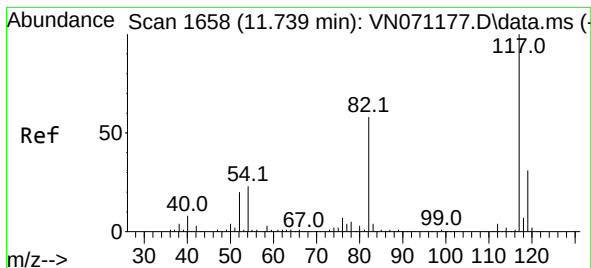
Tgt Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
58 13.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.683 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Tgt Ion: 95 Resp: 530370
Ion Ratio Lower Upper
95 100
174 78.2 0.0 187.2
176 74.8 0.0 181.4

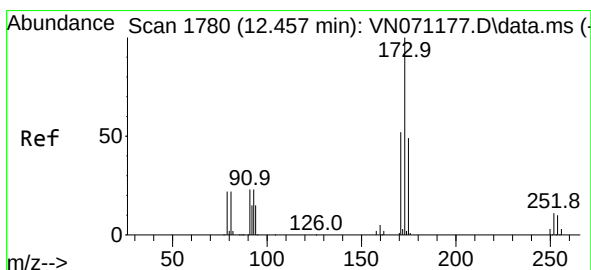
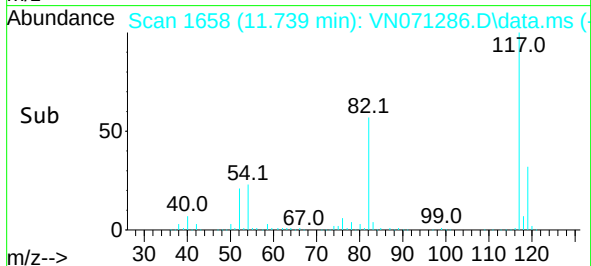
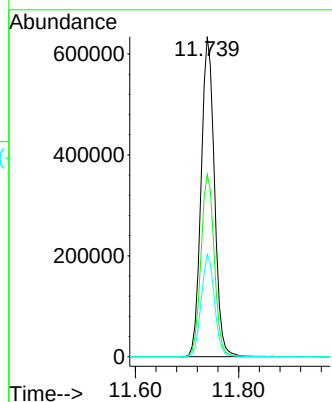
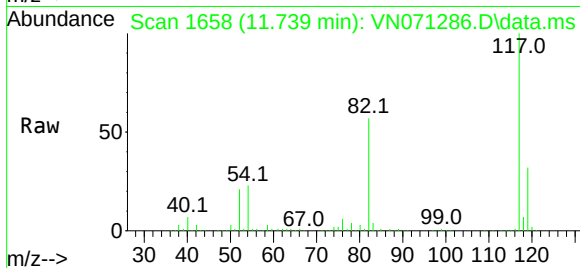




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

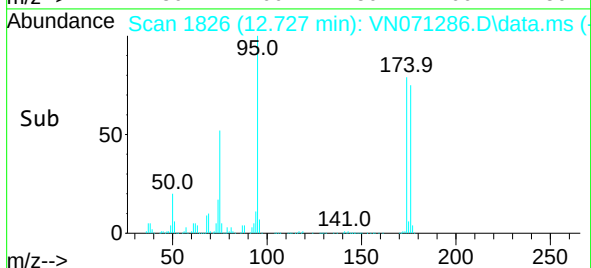
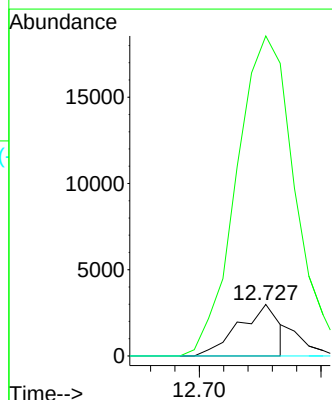
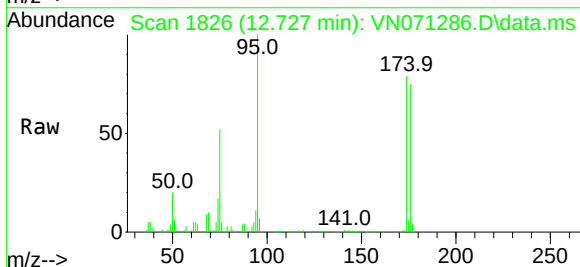
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

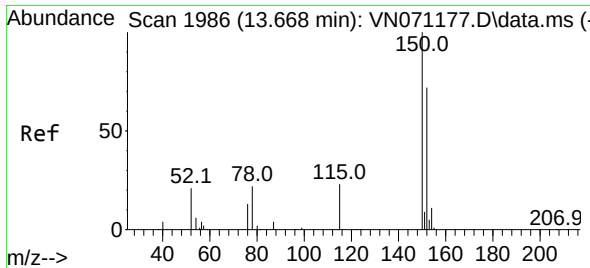
Tgt Ion:117 Resp: 1131645
Ion Ratio Lower Upper
117 100
82 57.0 42.4 63.6
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.511 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Tgt Ion:173 Resp: 3456
Ion Ratio Lower Upper
173 100
175 714.0 24.2 72.6#
254 0.0 0.0 0.0

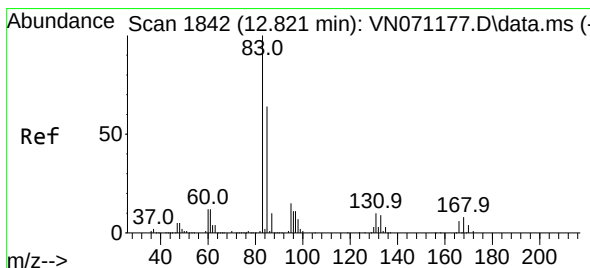
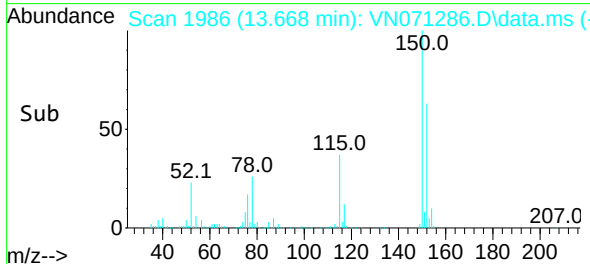
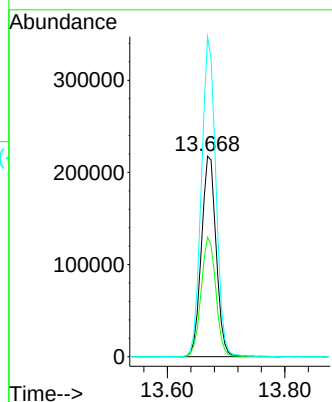
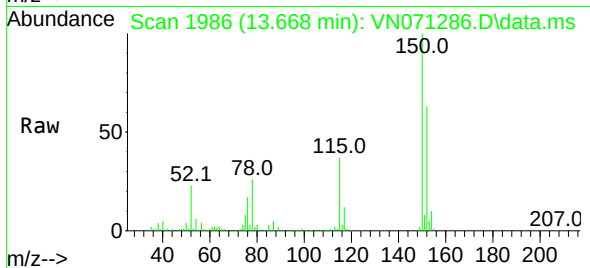




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071286.D
 Acq: 15 Mar 2022 12:41

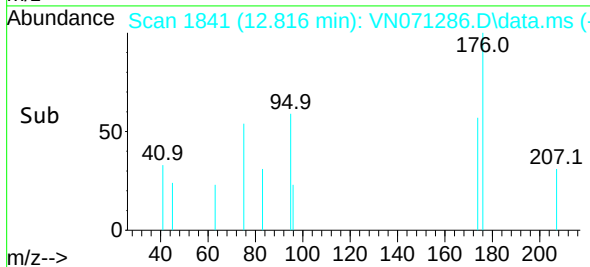
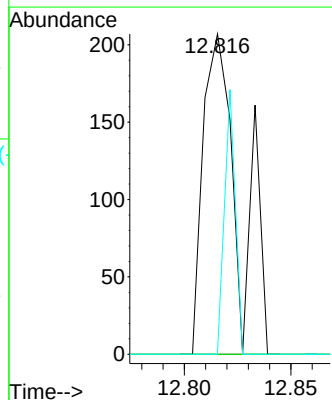
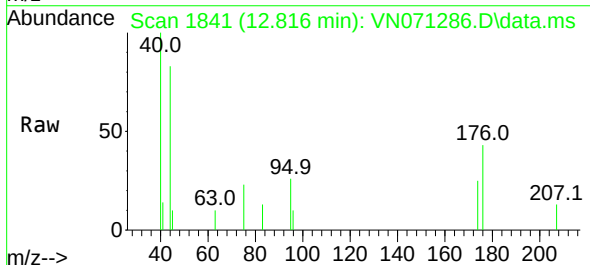
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBL01

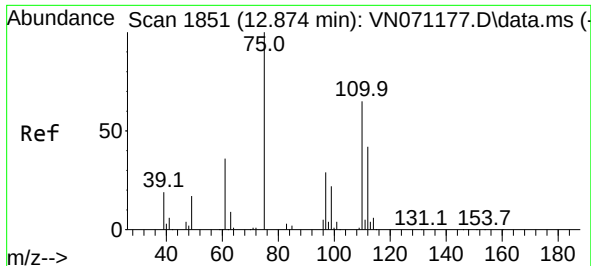
Tgt Ion:152 Resp: 380137
 Ion Ratio Lower Upper
 152 100
 115 59.5 27.5 82.5
 150 156.0 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.816 min Scan# 1841
 Delta R.T. -0.005 min
 Lab File: VN071286.D
 Acq: 15 Mar 2022 12:41

Tgt Ion: 83 Resp: 242
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 24.8 32.4 97.2#

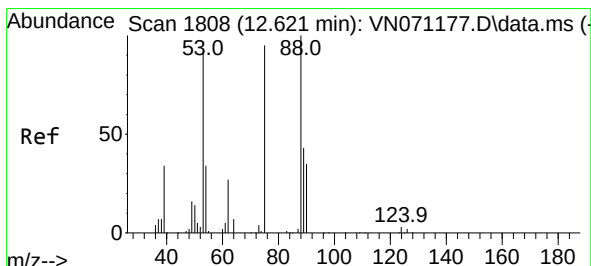
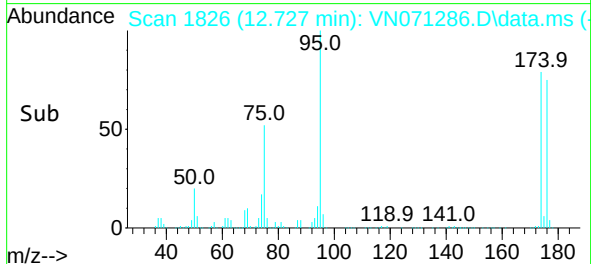
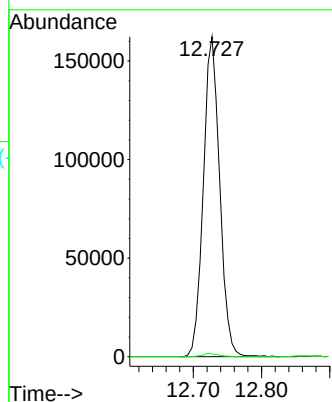
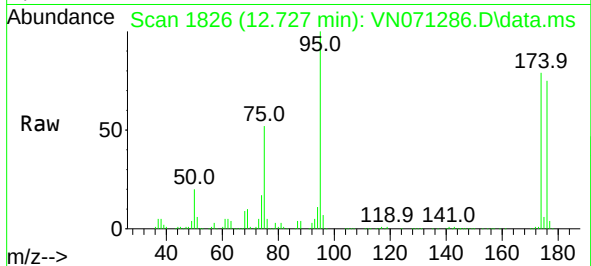




#76
1,2,3-Trichloropropane
Concen: 28.183 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

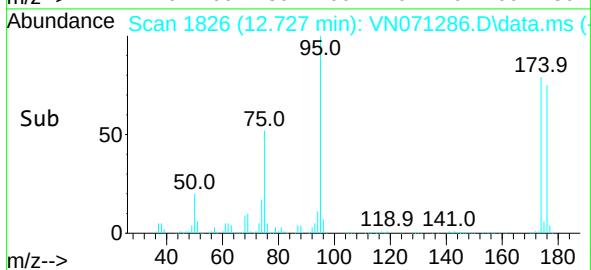
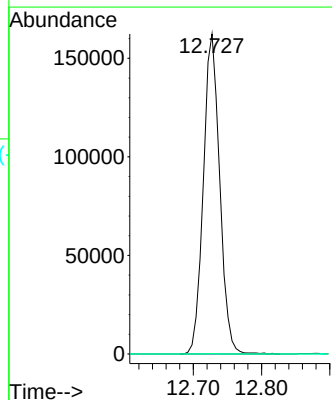
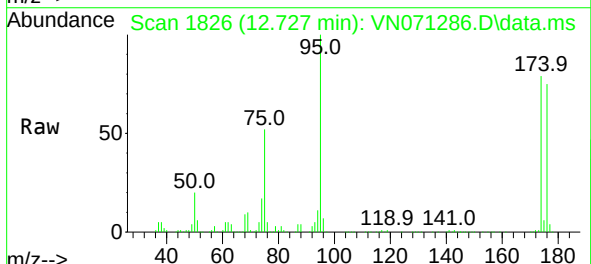
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

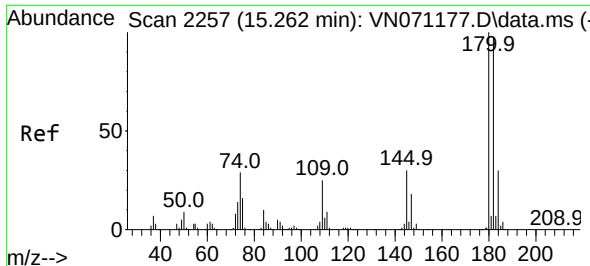
Tgt Ion: 75 Resp: 271005
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.066 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

Tgt Ion: 75 Resp: 271005
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

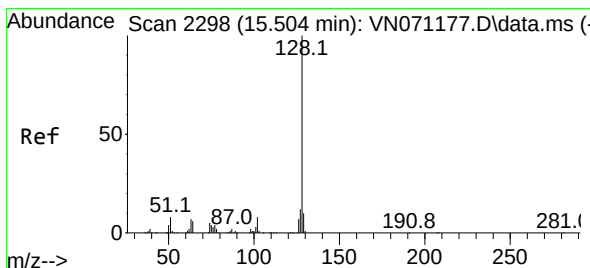
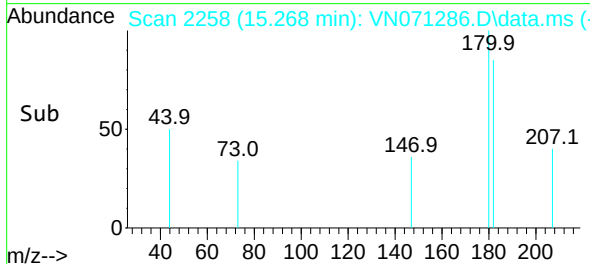
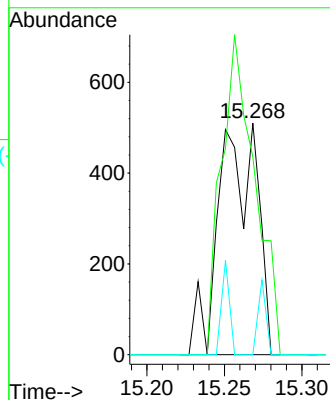
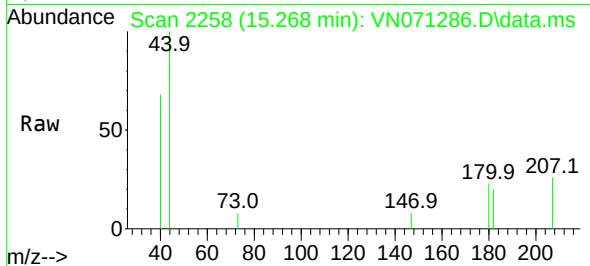




#93
1,2,4-Trichlorobenzene
Concen: 3.121 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

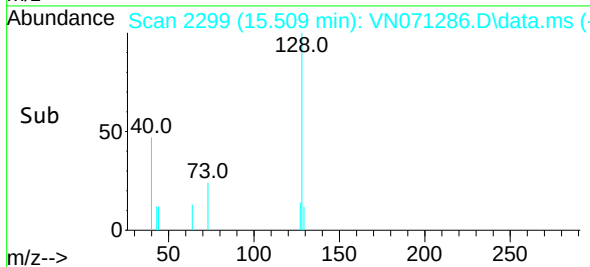
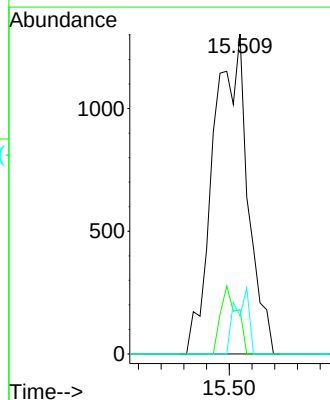
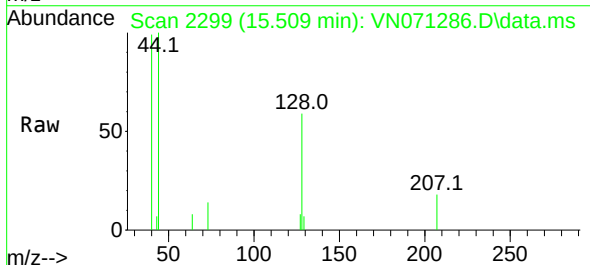
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

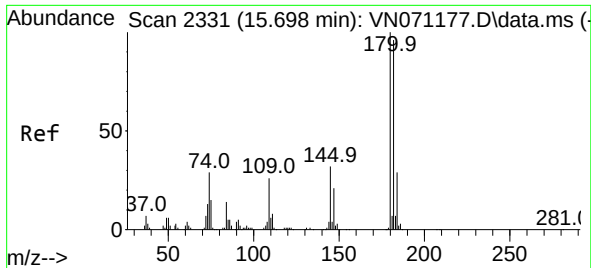
Tgt Ion:180 Resp: 873
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 6.6 14.5 43.5#



#95
Naphthalene
Concen: 5.208 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.005 min
Lab File: VN071286.D
Acq: 15 Mar 2022 12:41

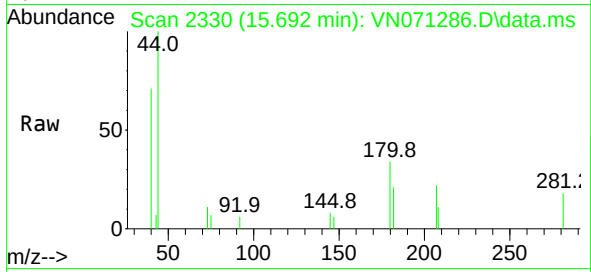
Tgt Ion:128 Resp: 2730
Ion Ratio Lower Upper
128 100
127 10.3 10.5 15.7#
129 8.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.932 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071286.D
 Acq: 15 Mar 2022 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBL01



Tgt Ion:	180	Resp:	1264
Ion	Ratio	Lower	Upper
180	100		
182	72.3	47.4	142.2
145	21.6	15.0	45.1

