

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071444.D
 Acq On : 22 Mar 2022 02:32
 Operator : JC\MD
 Sample : N2015-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-03-17

Quant Time: Mar 22 06:30:24 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	749842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1278166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1212318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	433963	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	483347	47.033	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.060%
35) Dibromofluoromethane	8.016	113	370985	45.996	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.000%
50) Toluene-d8	10.439	98	1555636	47.903	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.800%
62) 4-Bromofluorobenzene	12.727	95	576588	52.432	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.860%

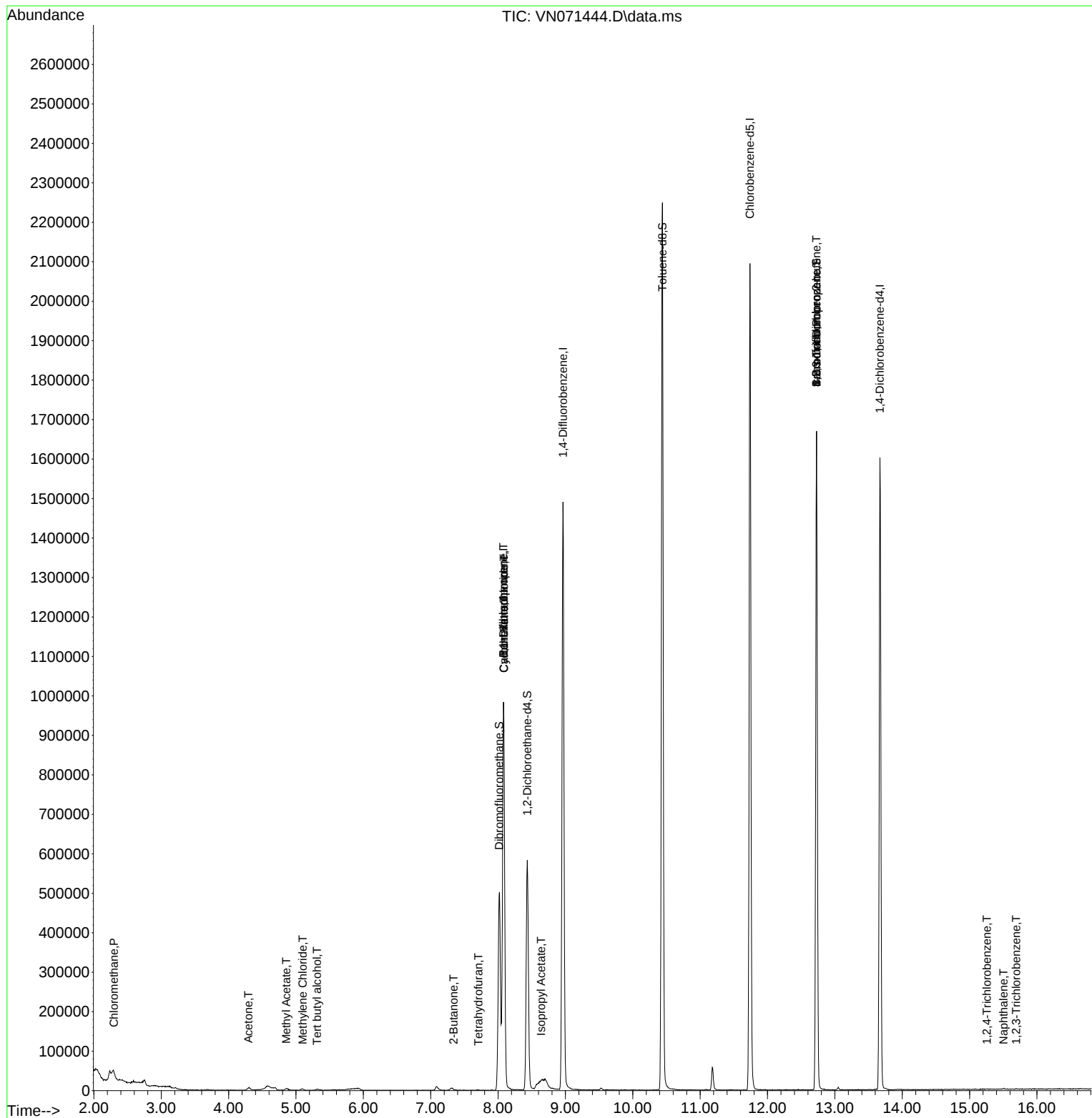
Target Compounds			Qvalue			
3) Chloromethane	2.299	50	3904	0.319	ug/l	91
5) Bromomethane	2.799	94	55	Below Cal	#	3
11) Tert butyl alcohol	5.310	59	1485	0.736	ug/l	# 71
16) Acetone	4.293	43	9509	1.902	ug/l	97
18) Methyl Acetate	4.857	43	9899	1.200	ug/l	93
20) Methylene Chloride	5.099	84	2447	0.648	ug/l	# 88
25) 2-Butanone	7.340	43	2104	0.261	ug/l	# 67
29) Tetrahydrofuran	7.710	42	1130	0.202	ug/l	# 51
31) Cyclohexane	8.087	56	15652	0.954	ug/l	# 10
36) 1,1-Dichloropropene	8.081	75	59460	4.601	ug/l	# 49
38) Carbon Tetrachloride	8.087	117	74786	5.983	ug/l	# 15
43) Isopropyl Acetate	8.639	43	35112	1.320	ug/l	# 55
71) Bromoform	12.727	173	2865	0.395	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.816	83	57	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	298530	27.090	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	298530	74.363	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.257	180	565	3.064	ug/l	# 59
95) Naphthalene	15.504	128	2313	5.172	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.692	180	517	2.804	ug/l	# 61

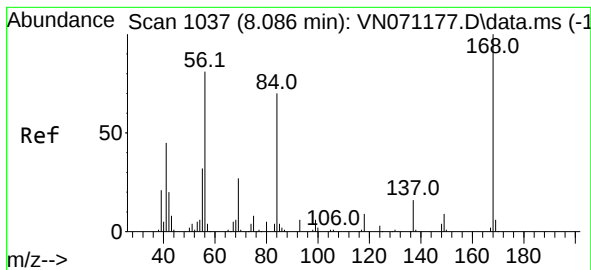
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VN071444.D

Acq: 22 Mar 2022 02:32

Instrument :

MSVOA_N

ClientSampleId :

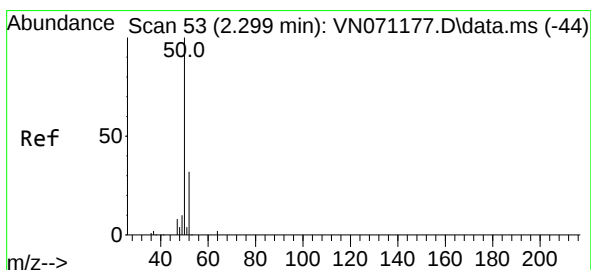
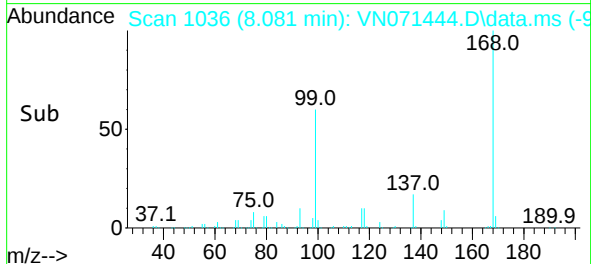
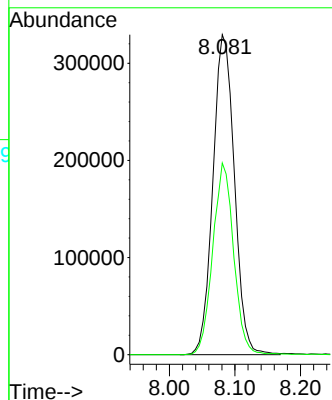
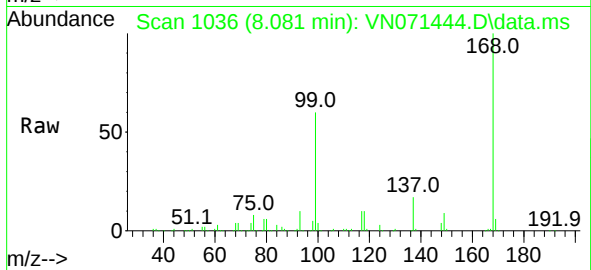
EB-2022-03-17

Tgt Ion:168 Resp: 749842

Ion Ratio Lower Upper

168 100

99 59.9 41.3 61.9



#3

Chloromethane

Concen: 0.319 ug/l

RT: 2.299 min Scan# 53

Delta R.T. -0.000 min

Lab File: VN071444.D

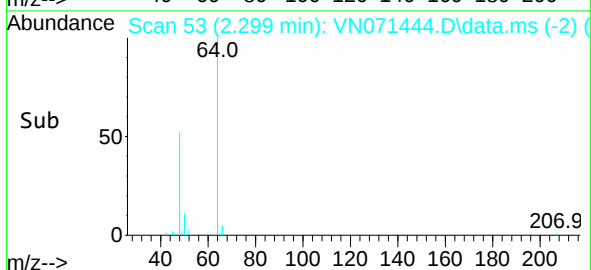
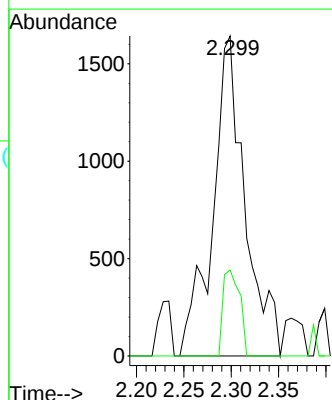
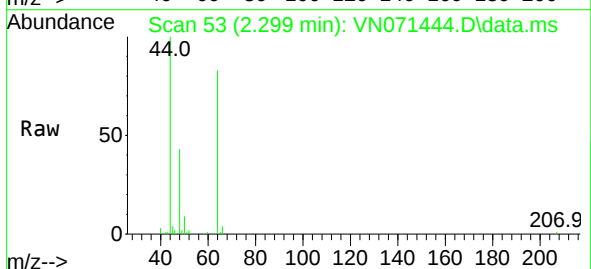
Acq: 22 Mar 2022 02:32

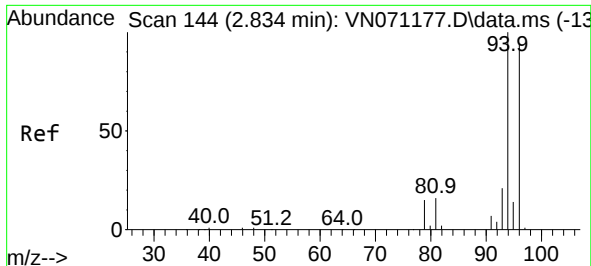
Tgt Ion: 50 Resp: 3904

Ion Ratio Lower Upper

50 100

52 26.8 25.4 38.0

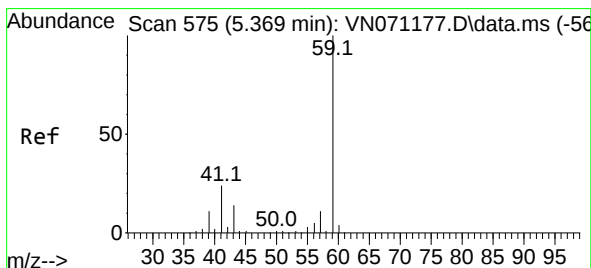
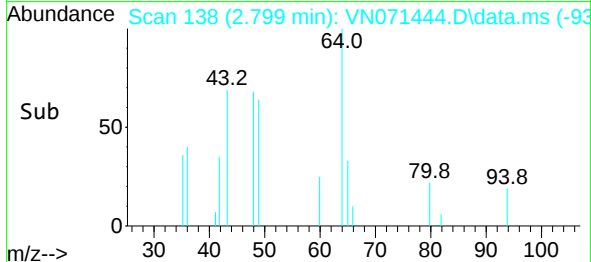
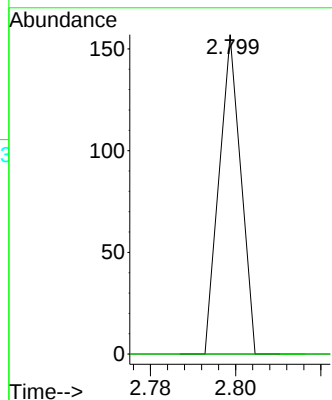
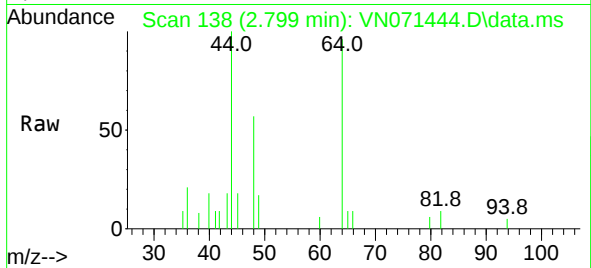




#5
Bromomethane
Concen: Below Cal
RT: 2.799 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

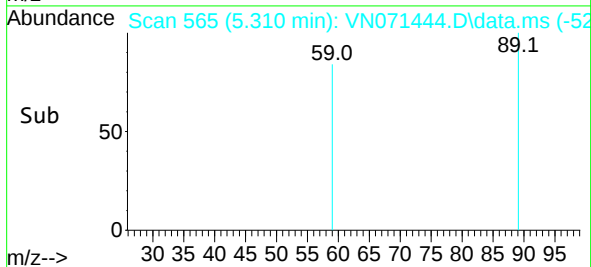
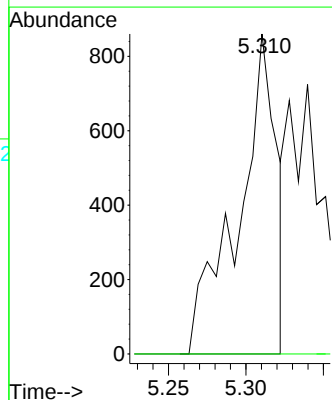
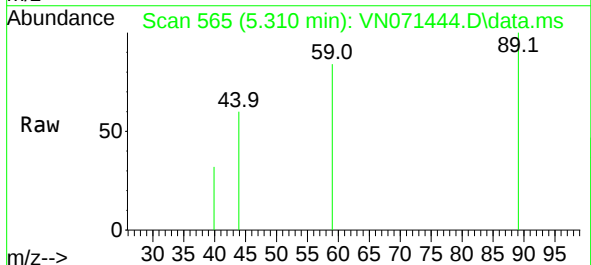
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-03-17

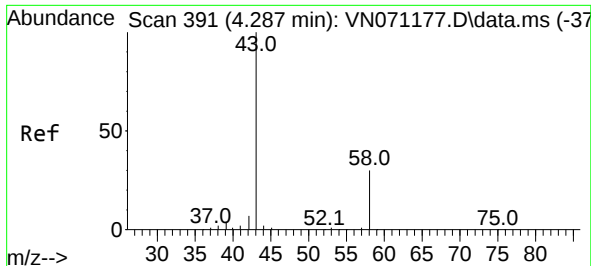
Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.736 ug/l
RT: 5.310 min Scan# 565
Delta R.T. -0.059 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

Tgt Ion: 59 Resp: 1485
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

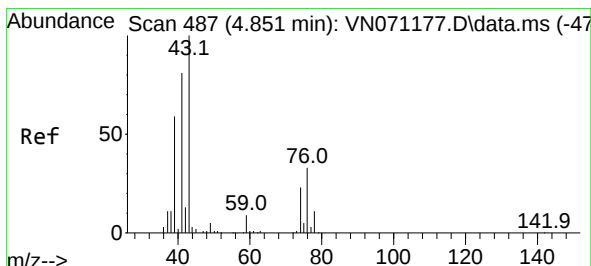
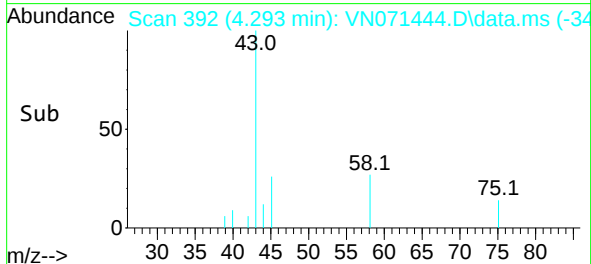
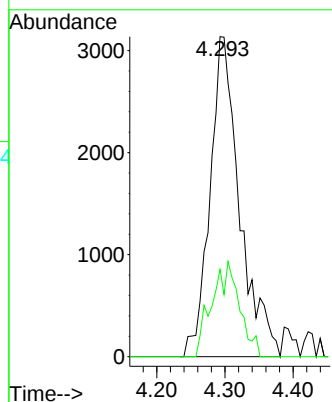
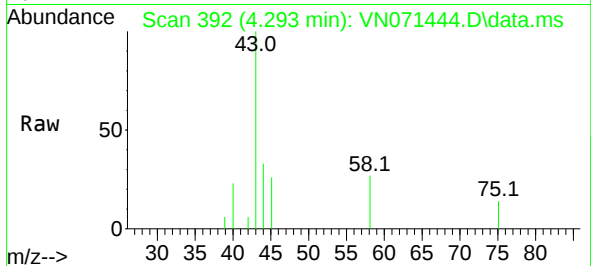




#16
Acetone
Concen: 1.902 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

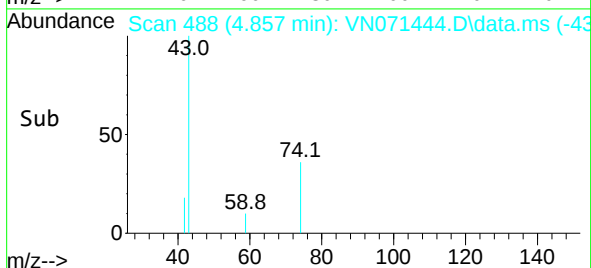
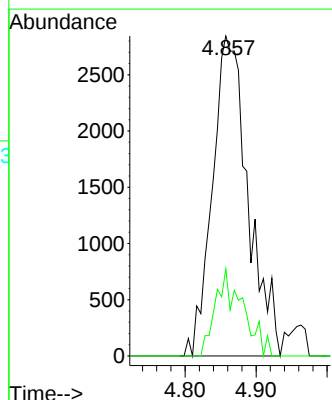
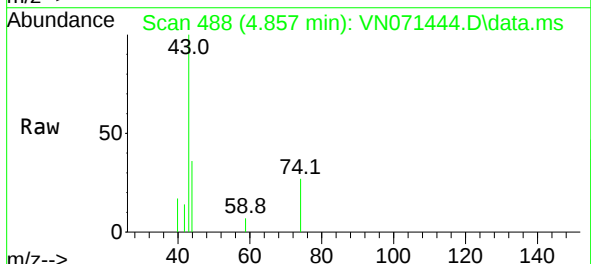
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-03-17

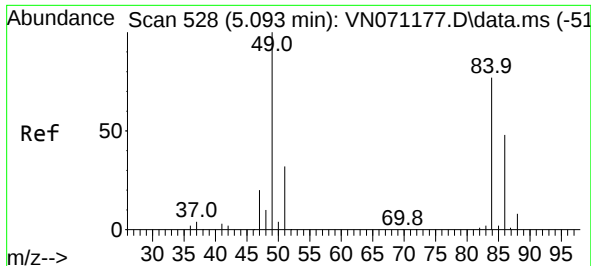
Tgt Ion: 43 Resp: 9509
Ion Ratio Lower Upper
43 100
58 27.3 23.1 34.7



#18
Methyl Acetate
Concen: 1.200 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

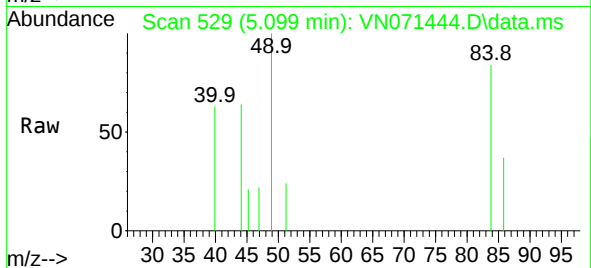
Tgt Ion: 43 Resp: 9899
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2



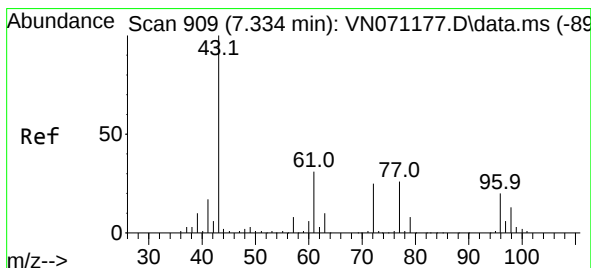
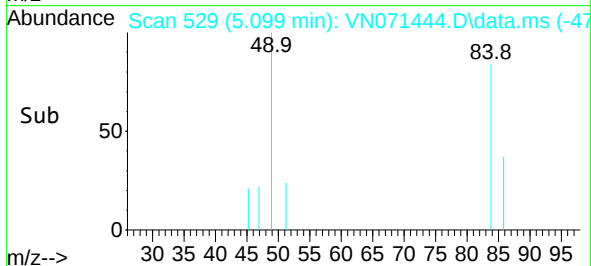
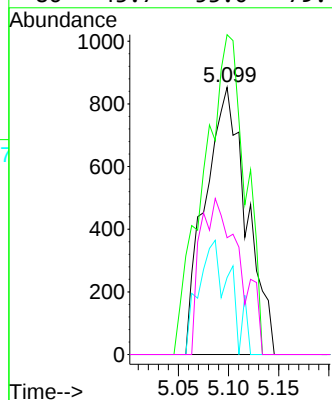


#20
Methylene Chloride
Concen: 0.648 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

Instrument :
MSVOA_N
ClientSampleId :
EB-2022-03-17

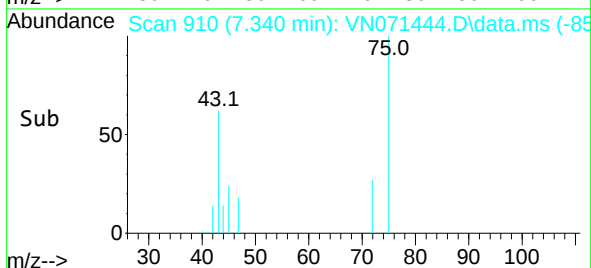
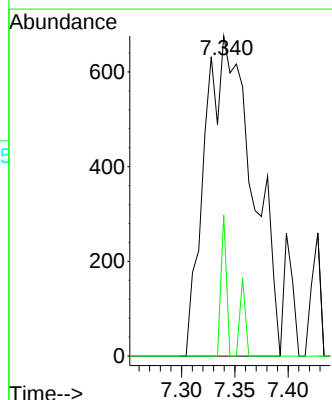
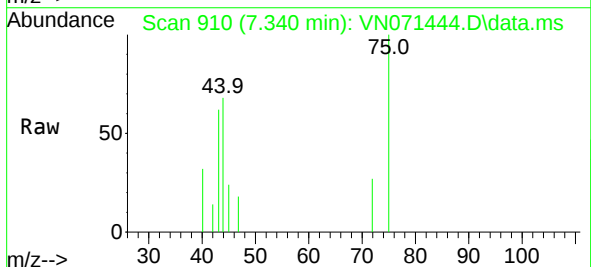


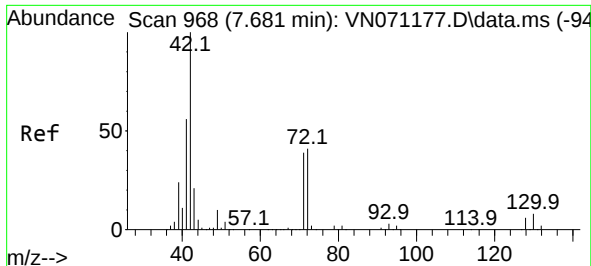
Tgt Ion: 84	Resp: 2447
Ion Ratio	Lower Upper
84 100	
49 119.7	93.5 140.3
51 28.8	29.4 44.2#
86 43.7	53.0 79.4#



#25
2-Butanone
Concen: 0.261 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

Tgt Ion: 43	Resp: 2104		
Ion Ratio	Lower	Upper	
43 100			
72 44.1	21.7	32.5#	





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 7.710 min Scan# 91

Delta R.T. 0.030 min

Lab File: VN071444.D

Acq: 22 Mar 2022 02:32

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-03-17

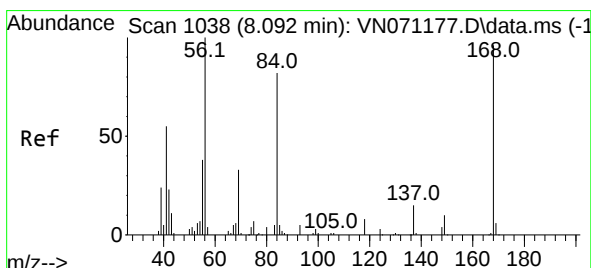
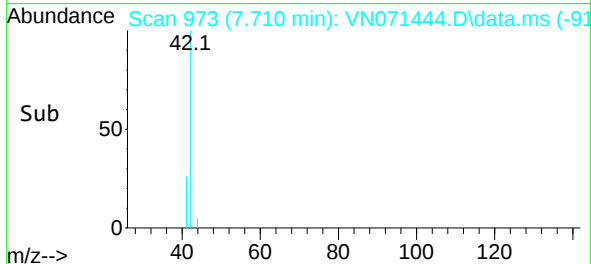
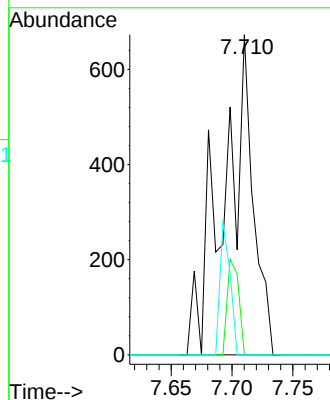
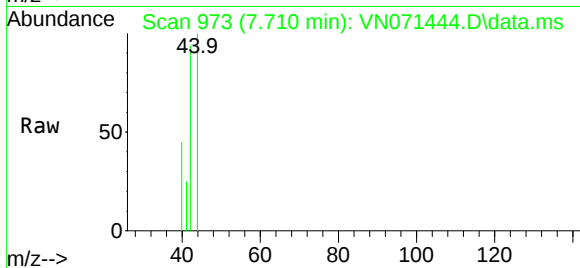
Tgt Ion: 42 Resp: 1130

Ion Ratio Lower Upper

42 100

72 11.6 36.3 54.5#

71 14.0 34.7 52.1#



#31

Cyclohexane

Concen: 0.954 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071444.D

Acq: 22 Mar 2022 02:32

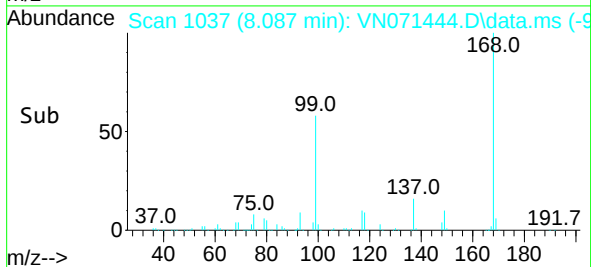
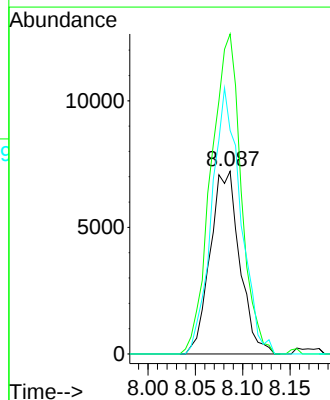
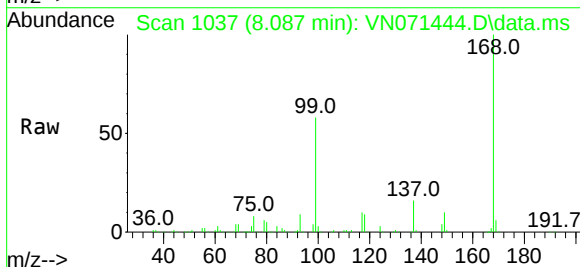
Tgt Ion: 56 Resp: 15652

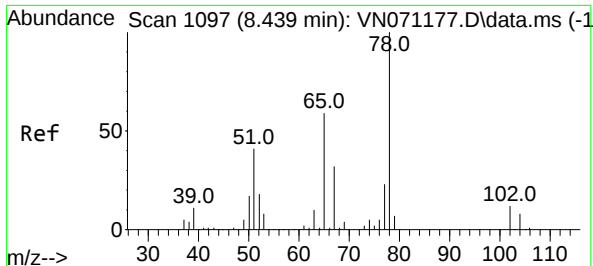
Ion Ratio Lower Upper

56 100

69 175.1 27.1 40.7#

84 122.3 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.033 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071444.D

Acq: 22 Mar 2022 02:32

Instrument :

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ClientSampleId :

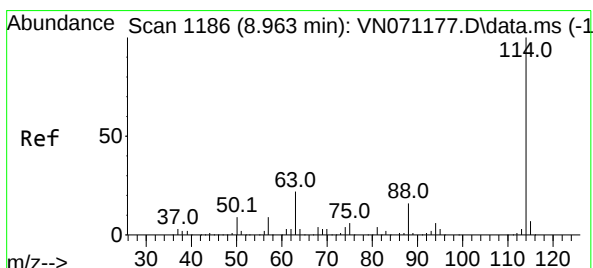
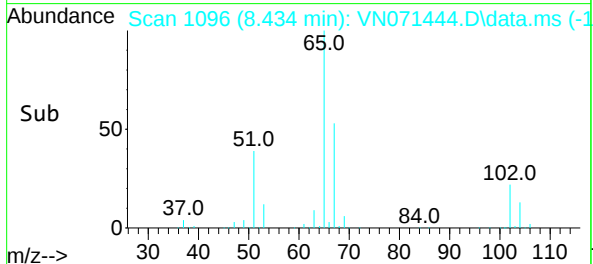
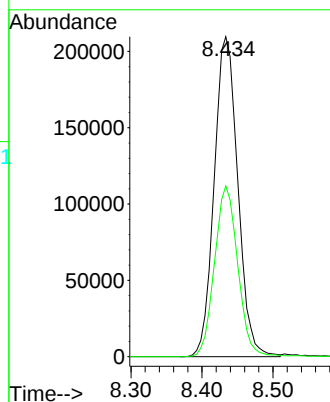
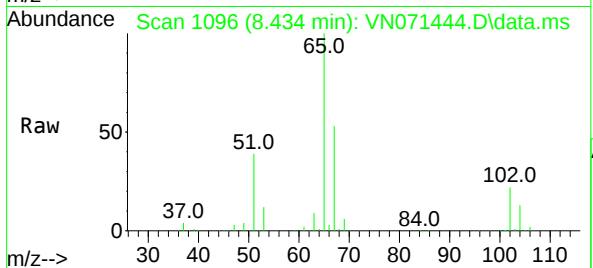
EB-2022-03-17

Tgt Ion: 65 Resp: 483347

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071444.D

Acq: 22 Mar 2022 02:32

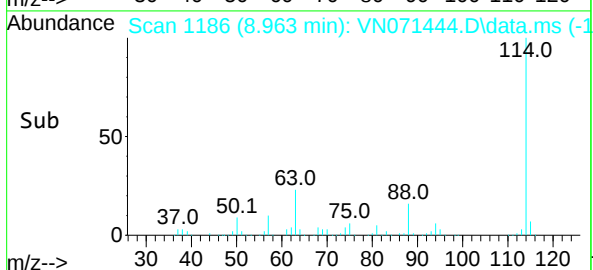
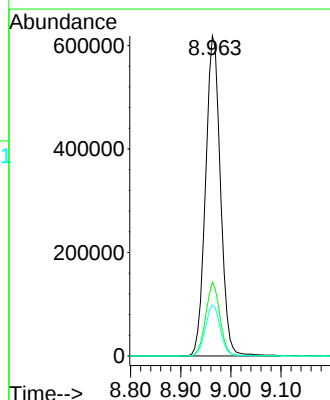
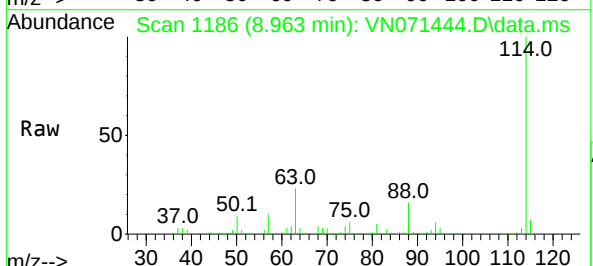
Tgt Ion: 114 Resp: 1278166

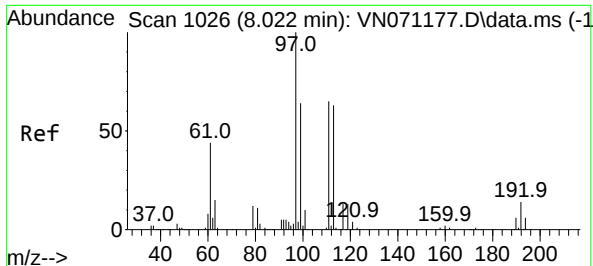
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 15.9 0.0 27.4

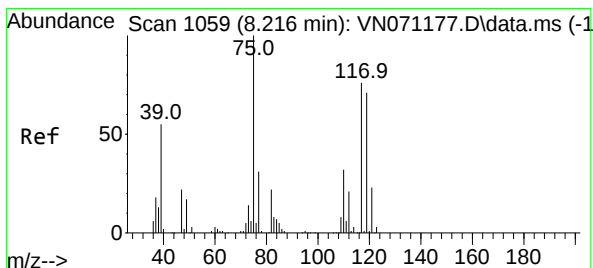
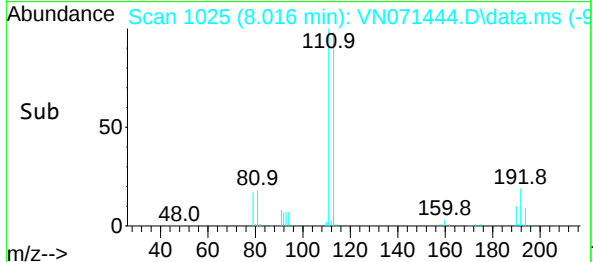
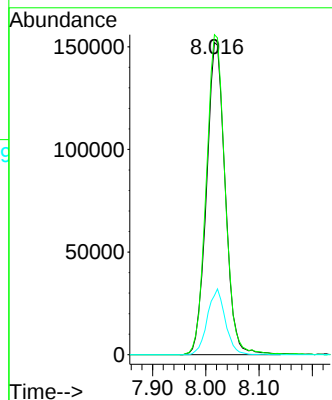
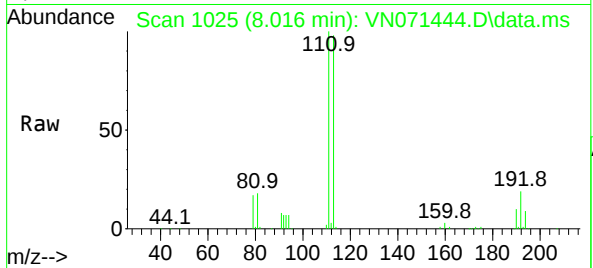




#35
Dibromofluoromethane
Concen: 45.996 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

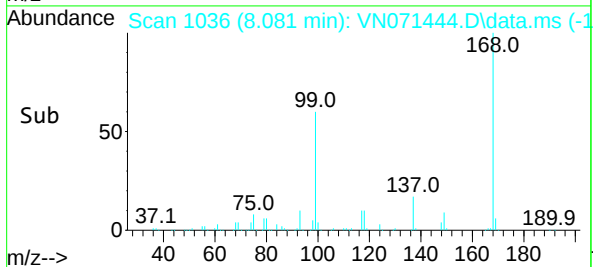
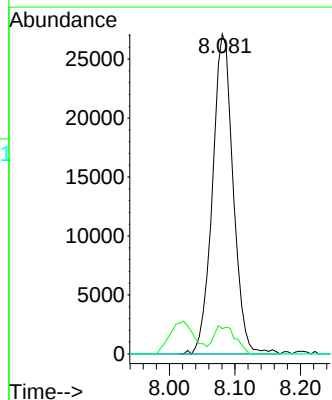
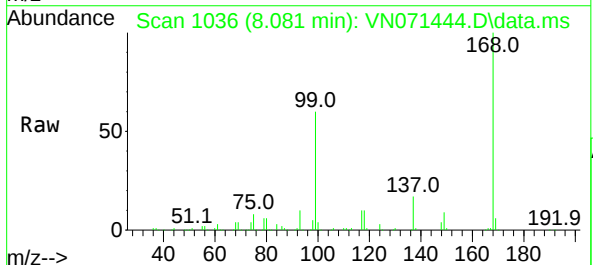
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-03-17

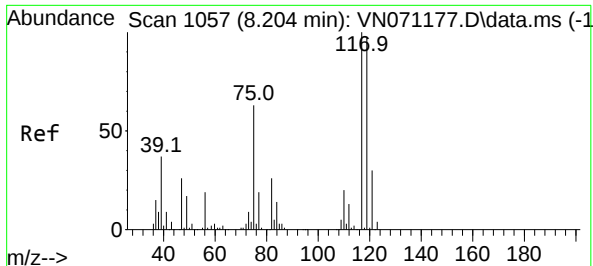
Tgt Ion:113 Resp: 370985
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.601 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

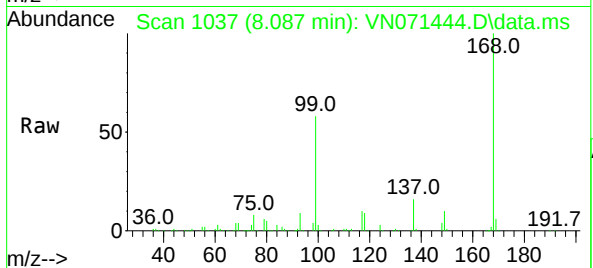
Tgt Ion: 75 Resp: 59460
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



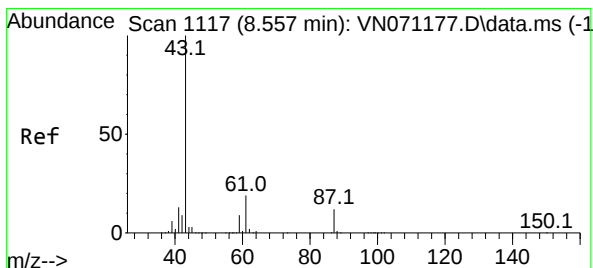
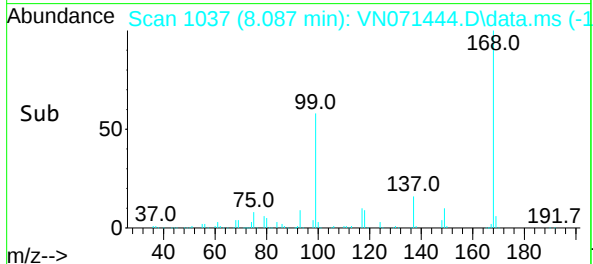
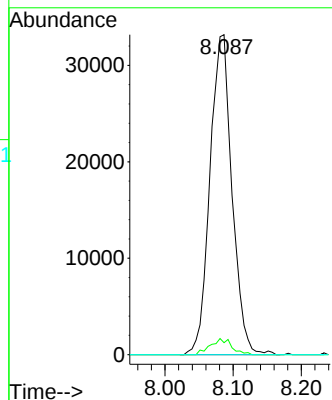


#38
Carbon Tetrachloride
Concen: 5.983 ug/l
RT: 8.087 min Scan# 1107
Delta R.T. -0.117 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

Instrument :
MSVOA_N
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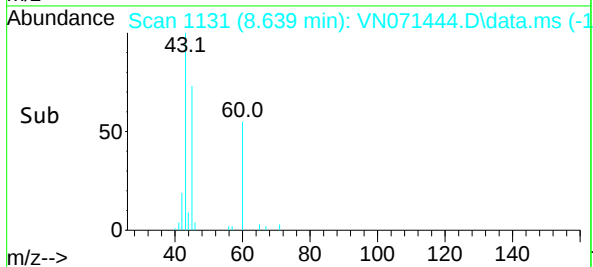
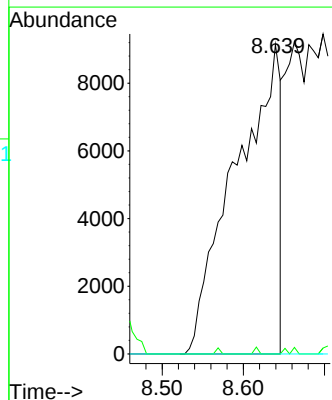
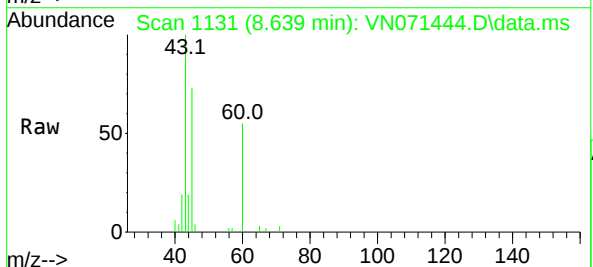


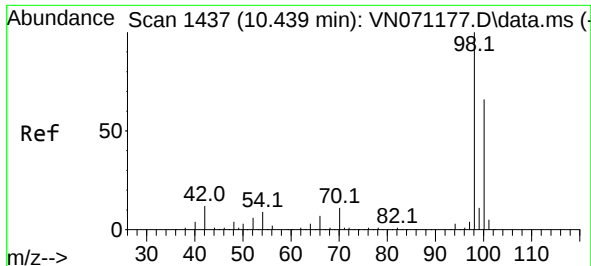
Tgt Ion:117 Resp: 74786
Ion Ratio Lower Upper
117 100
119 3.7 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.320 ug/l
RT: 8.639 min Scan# 1131
Delta R.T. 0.082 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

Tgt Ion: 43 Resp: 35112
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

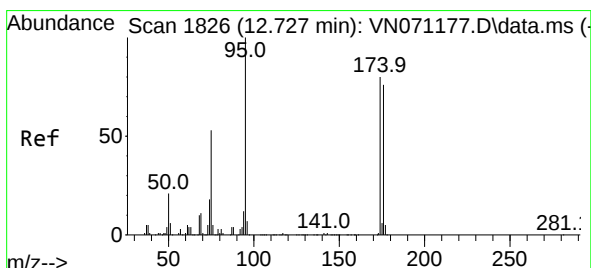
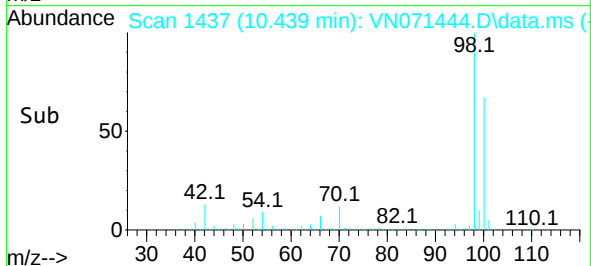
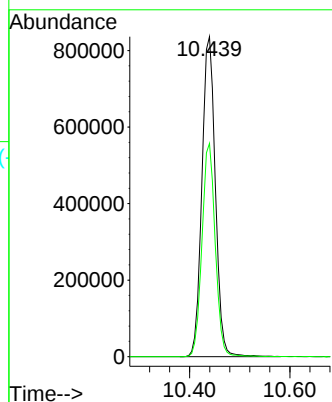
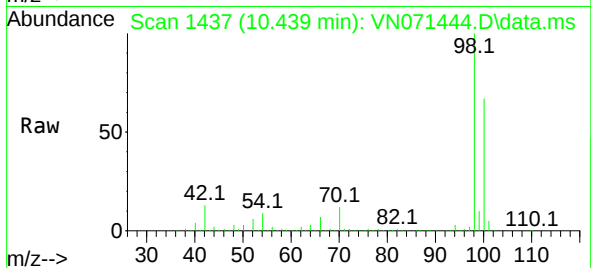




#50
Toluene-d8
Concen: 47.903 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

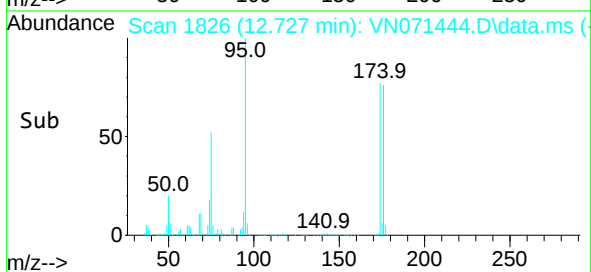
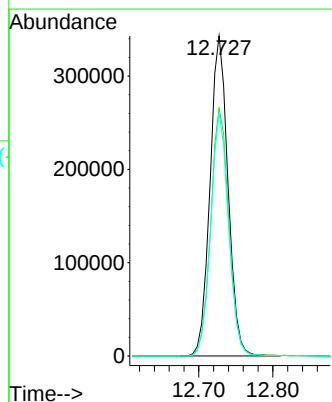
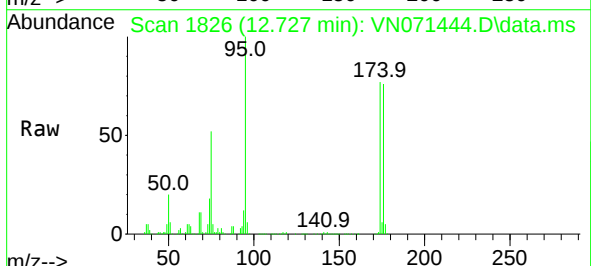
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-03-17

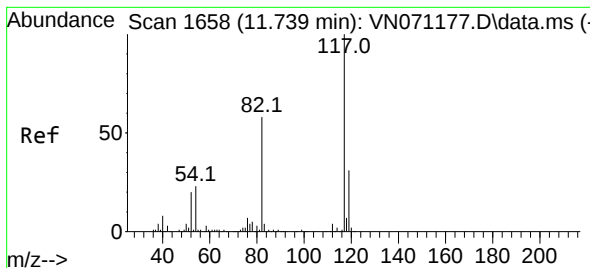
Tgt Ion: 98 Resp: 1555636
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 52.432 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

Tgt Ion: 95 Resp: 576588
Ion Ratio Lower Upper
95 100
174 78.0 0.0 187.2
176 75.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN071444.D

Acq: 22 Mar 2022 02:32

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-03-17

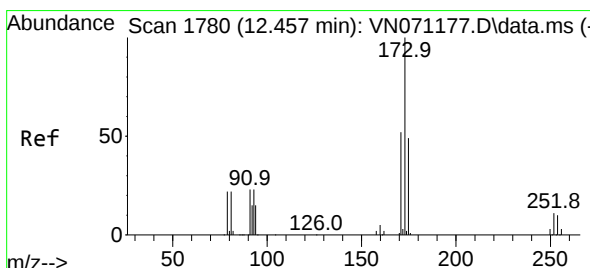
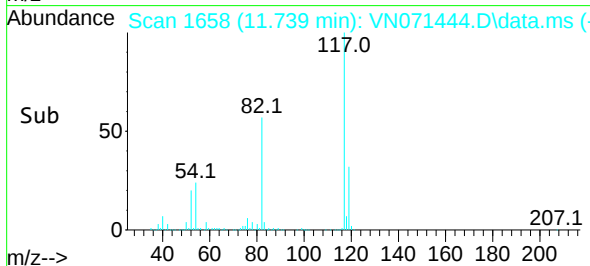
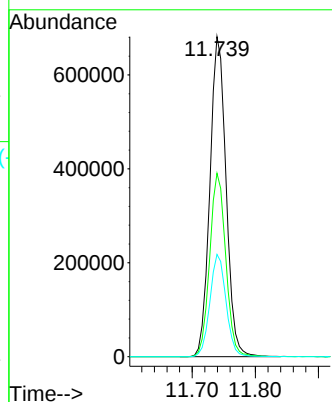
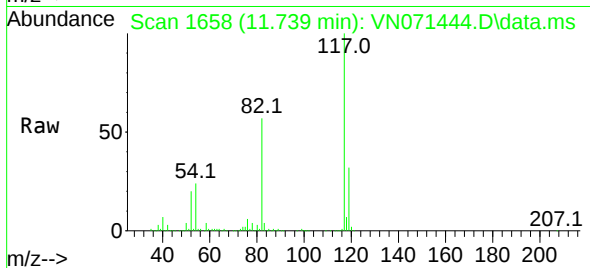
Tgt Ion:117 Resp: 1212318

Ion Ratio Lower Upper

117 100

82 57.3 42.4 63.6

119 31.9 25.4 38.2



#71

Bromoform

Concen: 0.395 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.270 min

Lab File: VN071444.D

Acq: 22 Mar 2022 02:32

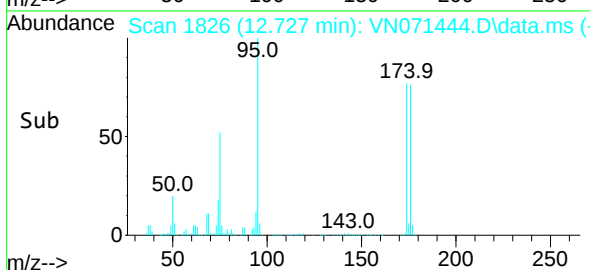
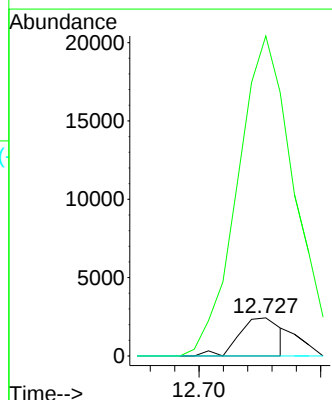
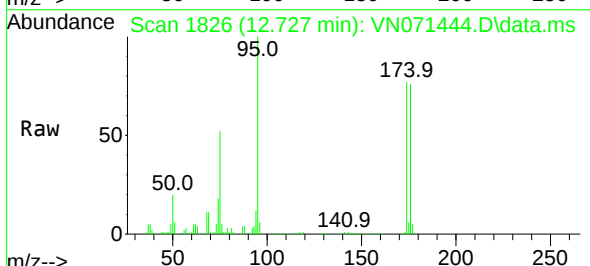
Tgt Ion:173 Resp: 2865

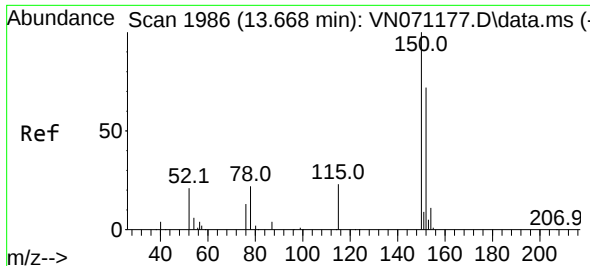
Ion Ratio Lower Upper

173 100

175 900.1 24.2 72.6#

254 0.0 0.0 0.0

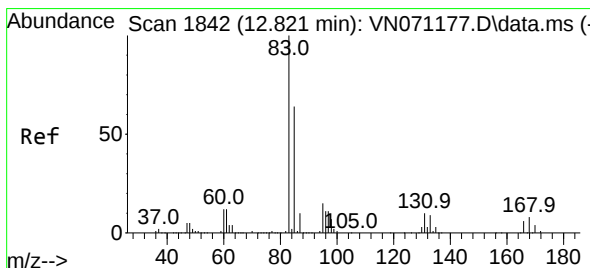
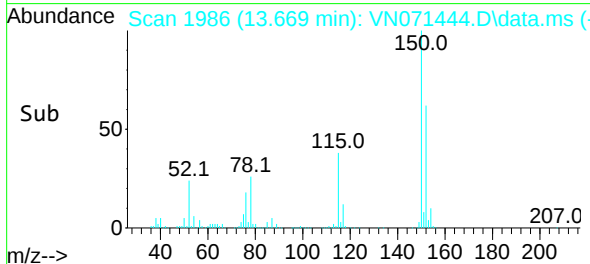
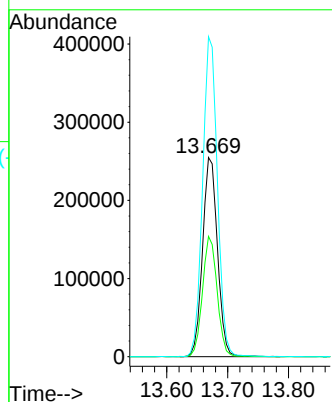
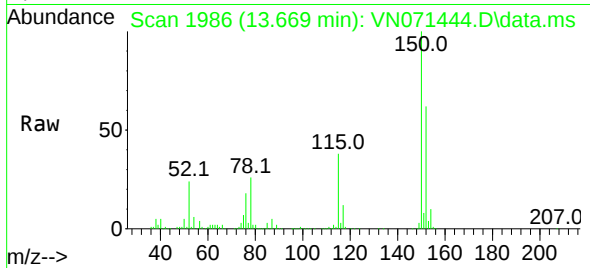




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN071444.D
 Acq: 22 Mar 2022 02:32

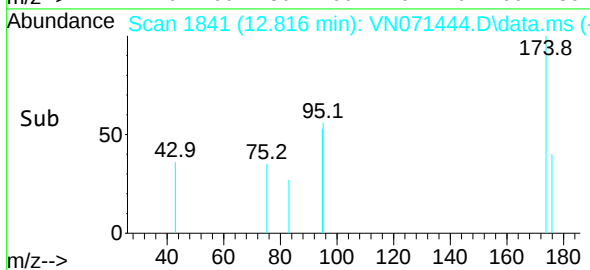
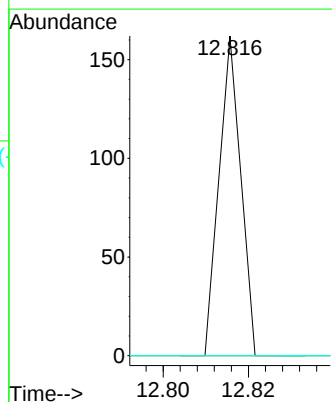
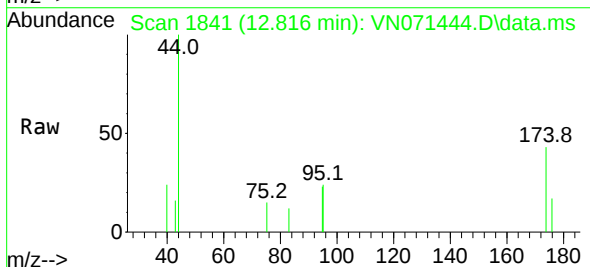
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-03-17

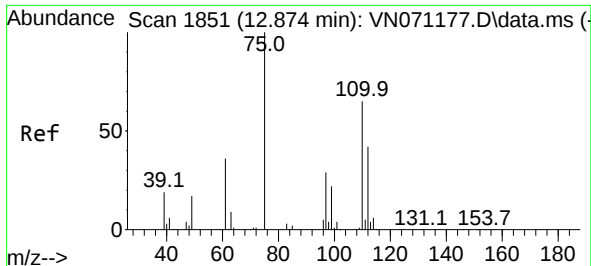
Tgt Ion:152 Resp: 433963
 Ion Ratio Lower Upper
 152 100
 115 59.4 27.5 82.5
 150 159.2 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.816 min Scan# 1841
 Delta R.T. -0.005 min
 Lab File: VN071444.D
 Acq: 22 Mar 2022 02:32

Tgt Ion: 83 Resp: 57
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

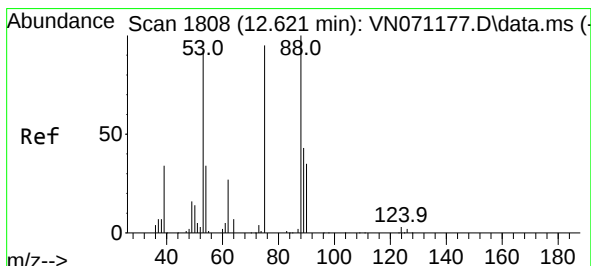
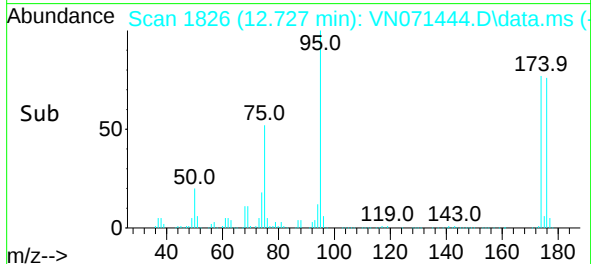
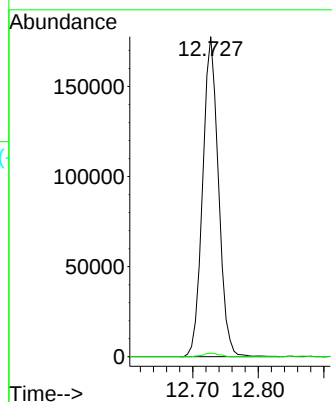
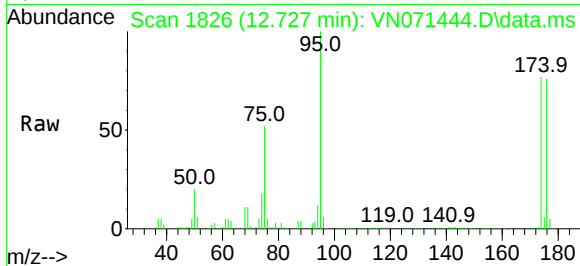




#76
1,2,3-Trichloropropane
Concen: 27.090 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

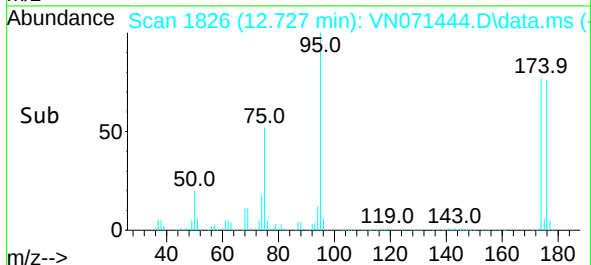
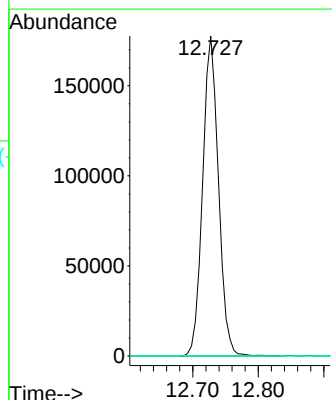
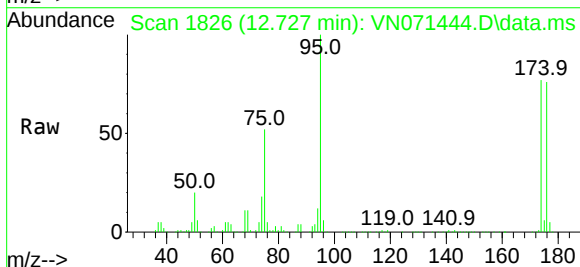
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-03-17

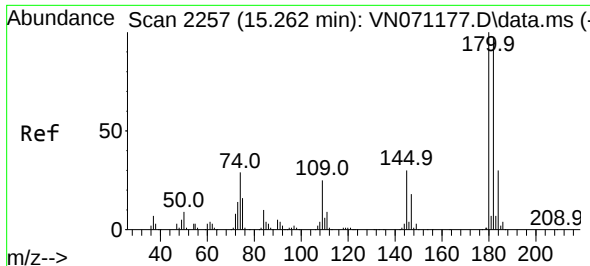
Tgt Ion: 75 Resp: 298530
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.363 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

Tgt Ion: 75 Resp: 298530
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

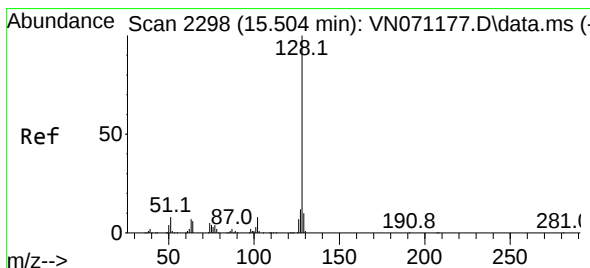
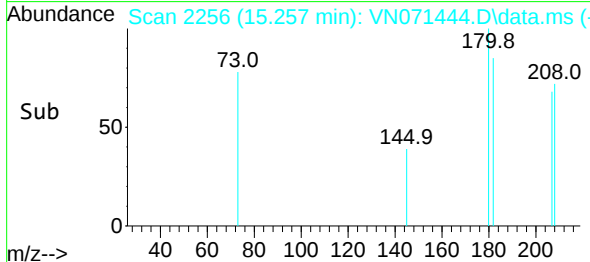
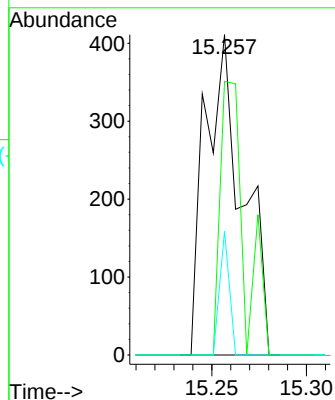
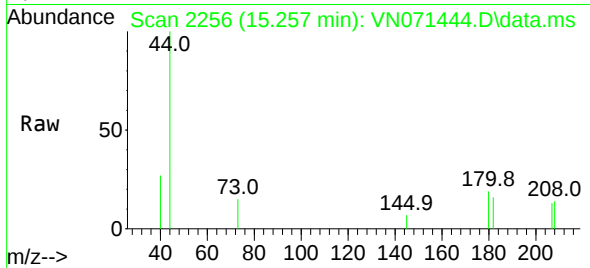




#93
1,2,4-Trichlorobenzene
Concen: 3.064 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

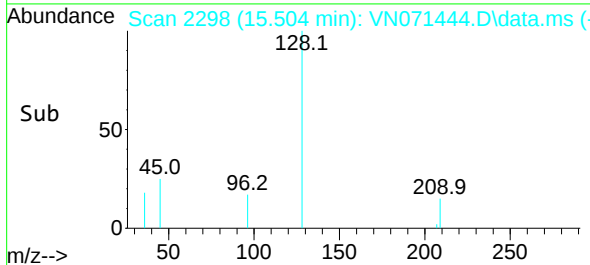
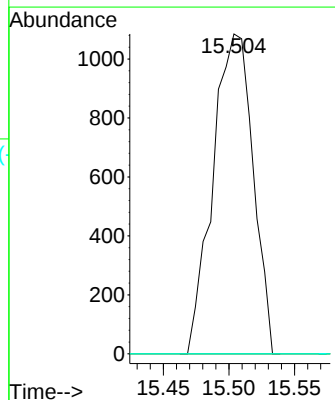
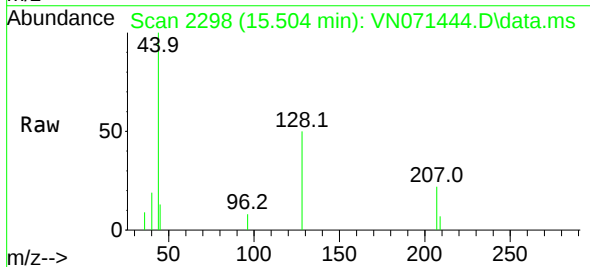
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-03-17

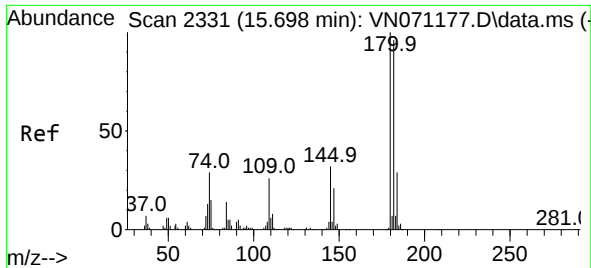
Tgt Ion:180 Resp: 565
Ion Ratio Lower Upper
180 100
182 54.9 48.3 144.9
145 9.9 14.5 43.5#



#95
Naphthalene
Concen: 5.172 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071444.D
Acq: 22 Mar 2022 02:32

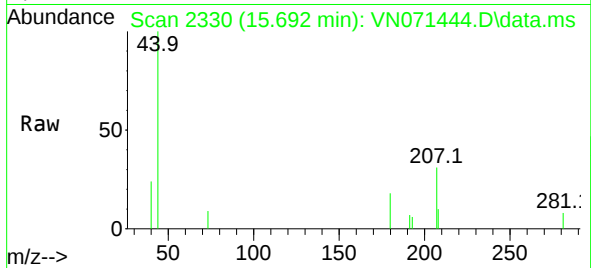
Tgt Ion:128 Resp: 2313
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.804 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071444.D
 Acq: 22 Mar 2022 02:32

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-03-17



Tgt Ion:180 Resp: 517
 Ion Ratio Lower Upper
 180 100
 182 55.1 47.4 142.2
 145 11.6 15.0 45.1#

