

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070488.D
 Acq On : 5 Jan 2022 14:40
 Operator : JC/MD
 Sample : N1012-02DL 40X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 12:34:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.083	168	1796181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2998567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2679911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	941512	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1470627	56.944	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	113.880%
35) Dibromofluoromethane	8.021	113	1022469	56.357	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	112.720%
50) Toluene-d8	10.440	98	4235368	57.146	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	114.300%
62) 4-Bromofluorobenzene	12.731	95	1536005	57.380	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.760%

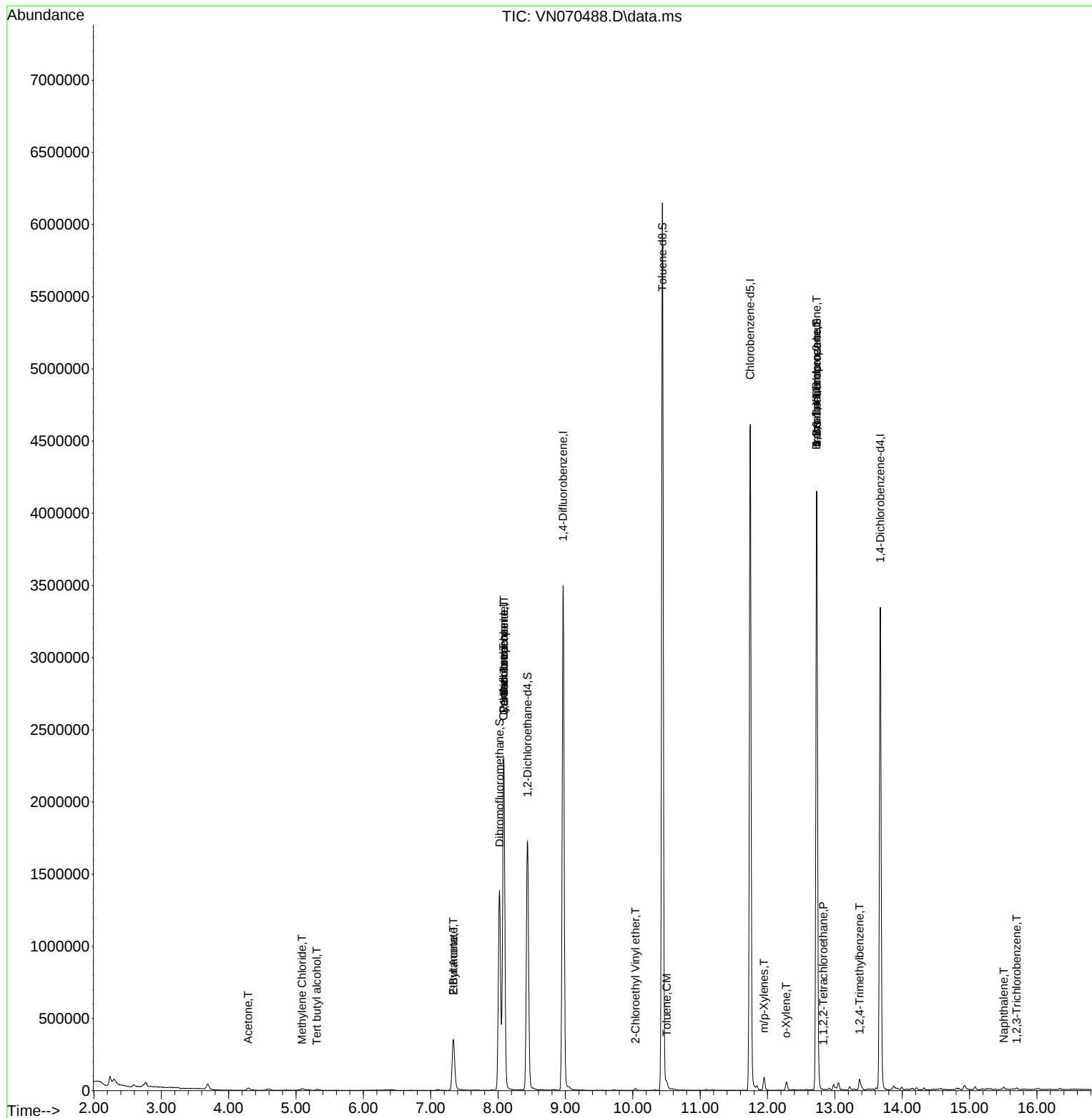
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.310	59	3694	0.859	ug/l #	71
16) Acetone	4.291	43	24517	1.462	ug/l	99
20) Methylene Chloride	5.090	84	6138	0.265	ug/l	95
25) 2-Butanone	7.335	43	625346	29.625	ug/l	92
31) Cyclohexane	8.080	56	39638	0.973	ug/l #	3
36) 1,1-Dichloropropene	8.086	75	144674	4.820	ug/l #	49
37) Ethyl Acetate	7.335	43	625346	16.074	ug/l #	69
38) Carbon Tetrachloride	8.086	117	174655	6.094	ug/l #	16
52) Toluene	10.502	92	13047	0.234	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.041	63	5403	19.051	ug/l	92
68) m/p-Xylenes	11.948	106	27054	0.713	ug/l	93
69) o-Xylene	12.278	106	13454	0.357	ug/l	99
71) Bromoform	12.728	173	4345	0.288	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.827	83	553	0.464	ug/l #	60
76) 1,2,3-Trichloropropane	12.731	75	791303	29.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	791303	102.685	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	51043	0.757	ug/l	86
95) Naphthalene	15.507	128	16412	2.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	2740	1.008	ug/l	85

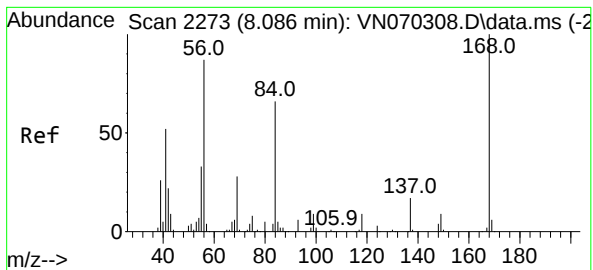
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

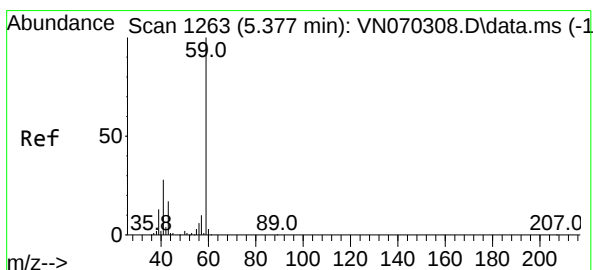
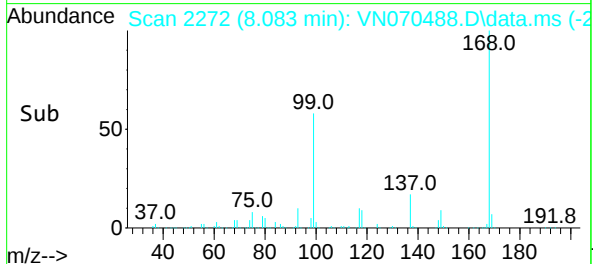
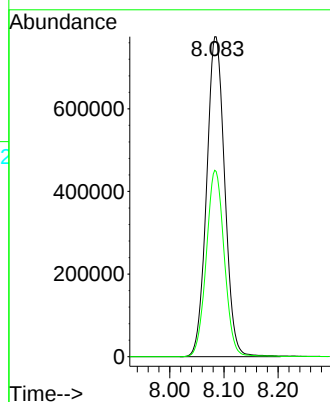
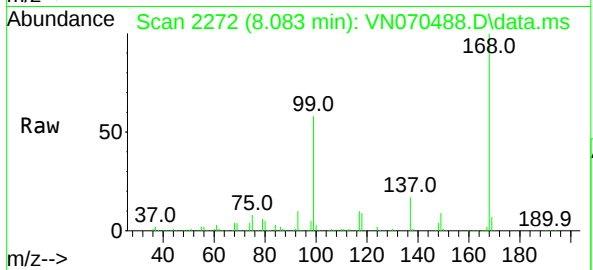




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

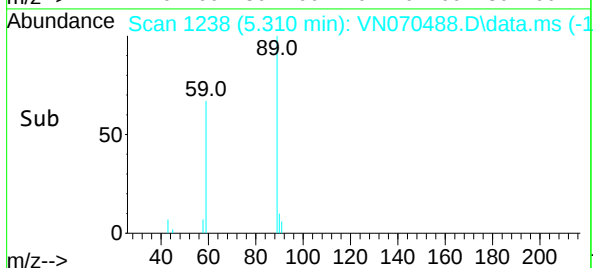
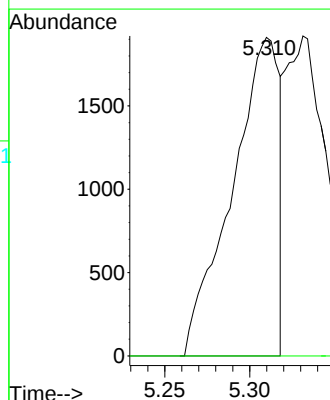
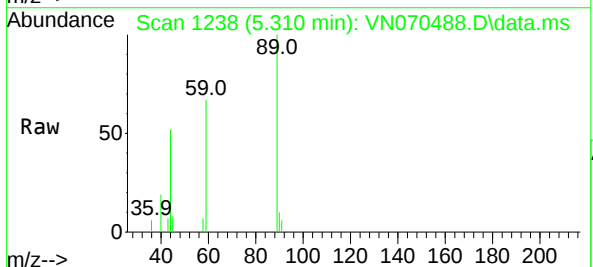
Instrument :
MSVOA_N
ClientSampleId :

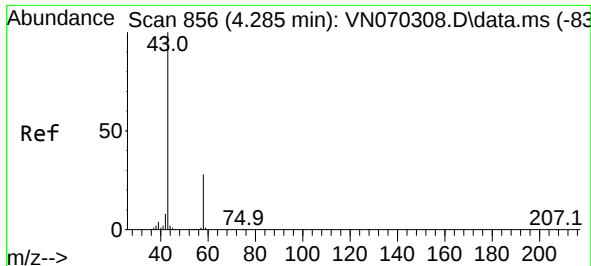
Tgt Ion:168 Resp: 1796181
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.859 ug/l
RT: 5.310 min Scan# 1238
Delta R.T. -0.067 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

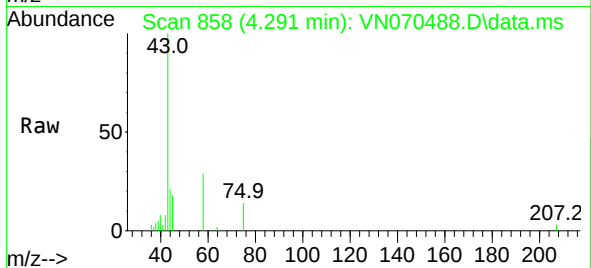
Tgt Ion: 59 Resp: 3694
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



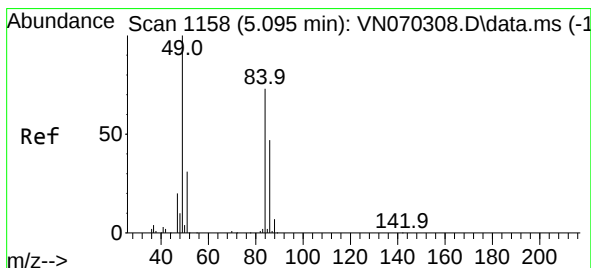
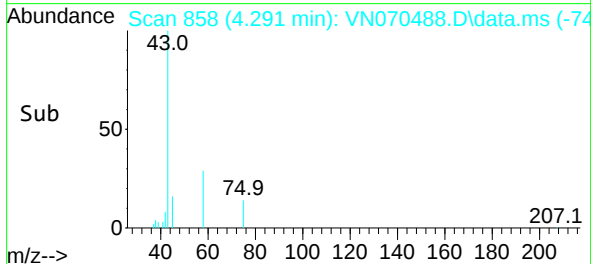
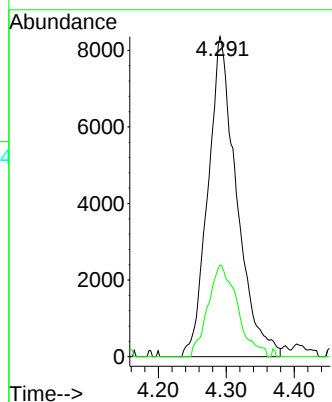


#16
Acetone
Concen: 1.462 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

Instrument :
MSVOA_N
ClientSampleId :

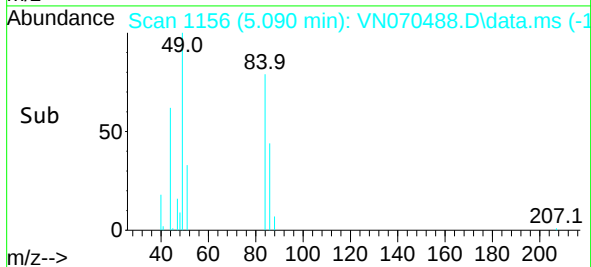
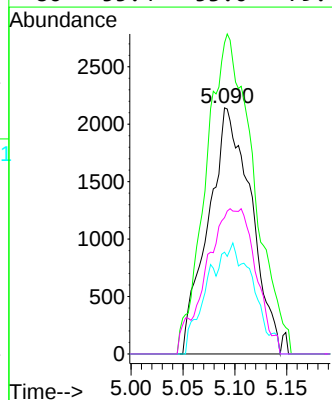
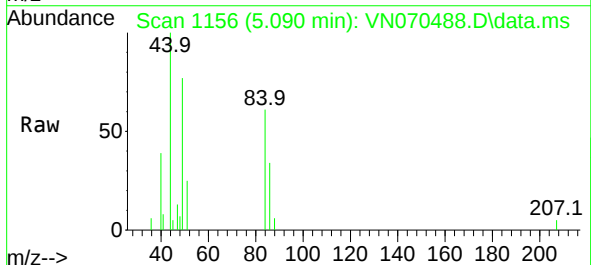


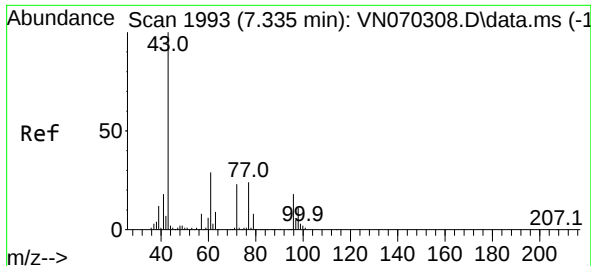
Tgt Ion: 43 Resp: 24517
Ion Ratio Lower Upper
43 100
58 28.6 23.1 34.7



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

Tgt Ion: 84 Resp: 6138
Ion Ratio Lower Upper
84 100
49 116.8 93.5 140.3
51 41.4 29.4 44.2
86 55.4 53.0 79.4

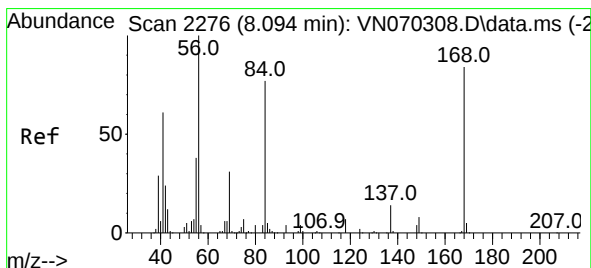
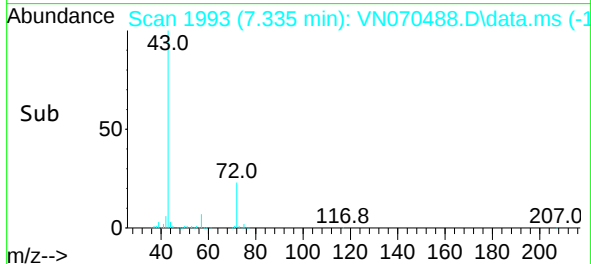
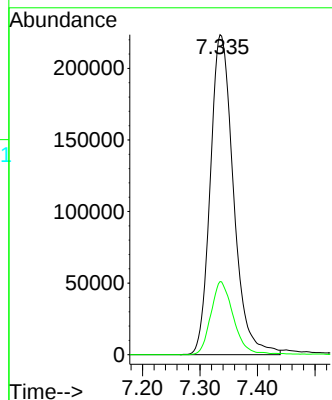
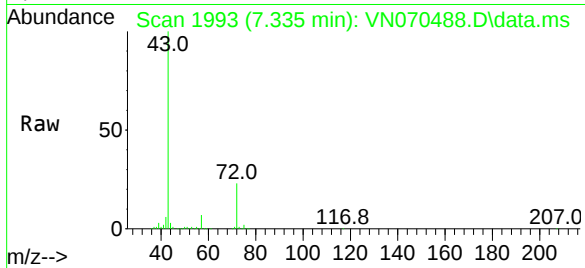




#25
2-Butanone
Concen: 29.625 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

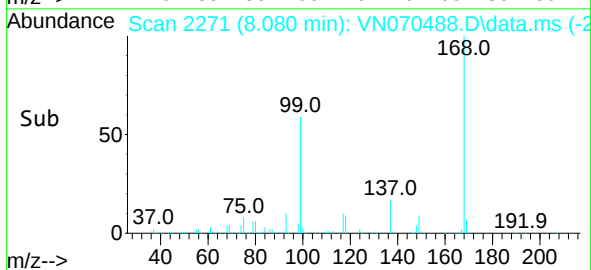
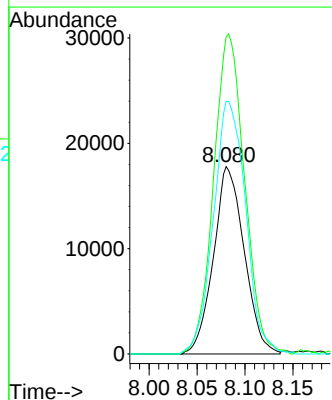
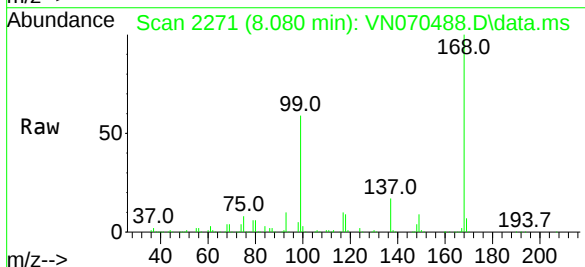
Instrument :
MSVOA_N
ClientSampleId :

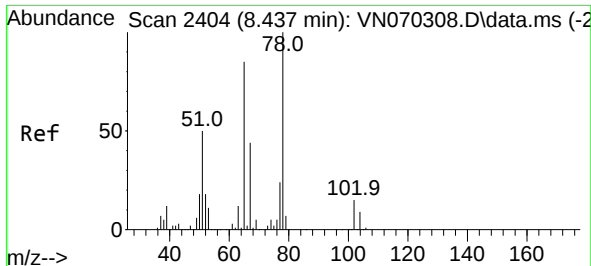
Tgt Ion: 43 Resp: 625346
Ion Ratio Lower Upper
43 100
72 22.9 21.7 32.5



#31
Cyclohexane
Concen: 0.973 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

Tgt Ion: 56 Resp: 39638
Ion Ratio Lower Upper
56 100
69 169.3 27.1 40.7#
84 134.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 56.944 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070488.D

Acq: 5 Jan 2022 14:40

Instrument :

MSVOA_N

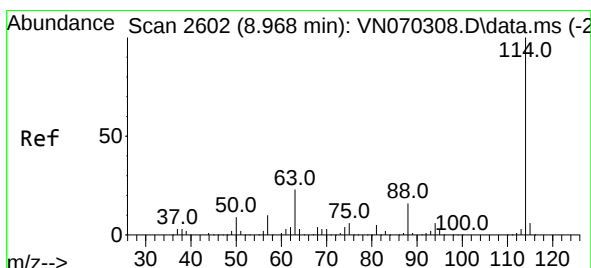
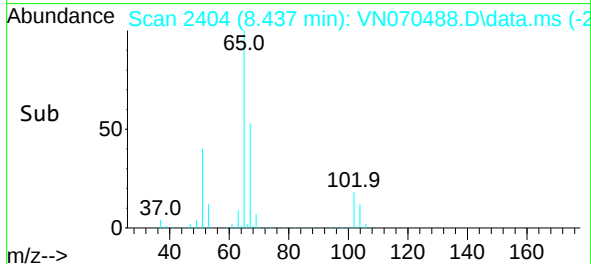
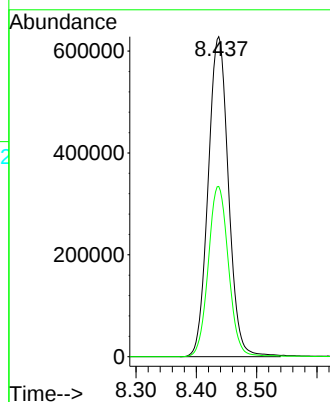
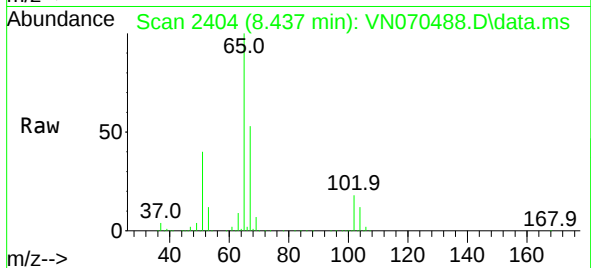
ClientSampleId :

Tgt Ion: 65 Resp: 1470627

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070488.D

Acq: 5 Jan 2022 14:40

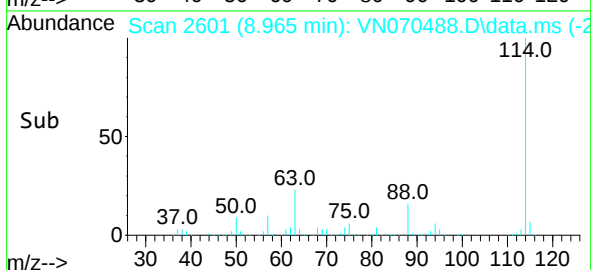
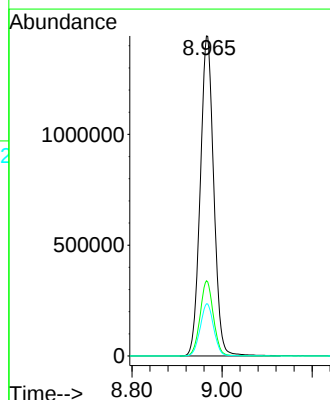
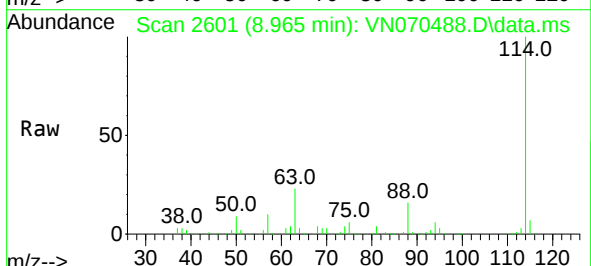
Tgt Ion: 114 Resp: 2998567

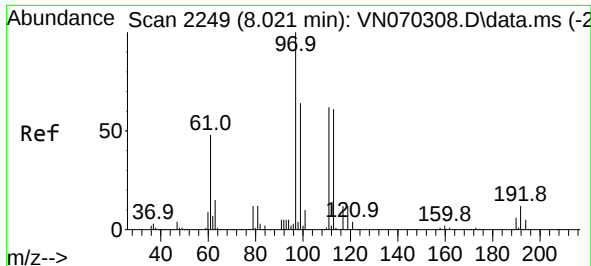
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

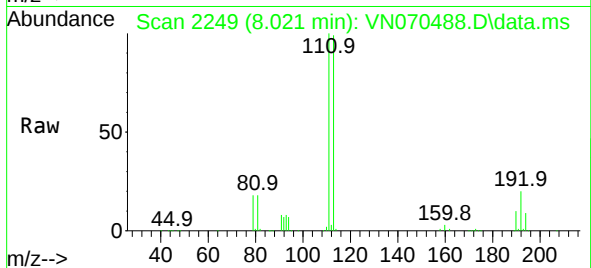
88 16.3 0.0 27.4





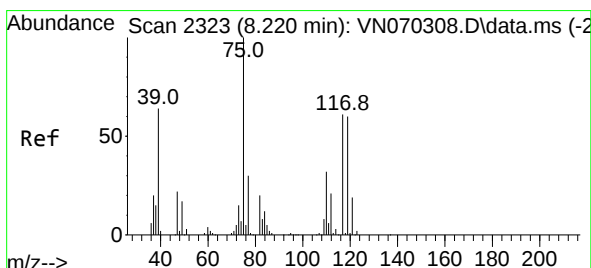
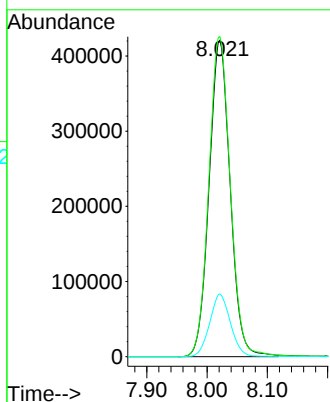
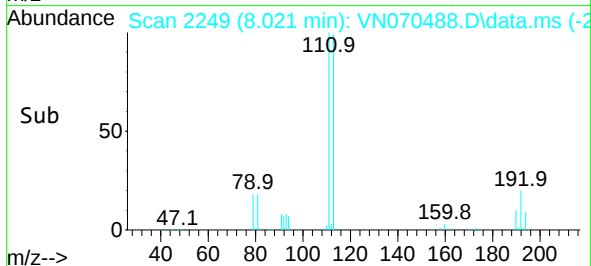
#35
 Dibromofluoromethane
 Concen: 56.357 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN070488.D
 Acq: 5 Jan 2022 14:40

Instrument :
 MSVOA_N
 ClientSampleId :

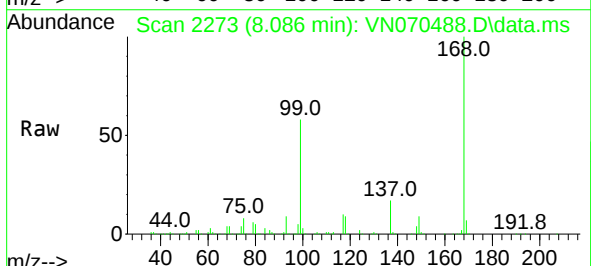


Tgt Ion:113 Resp: 1022469

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	19.5	16.9	25.3

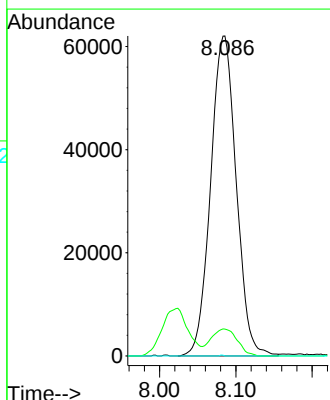
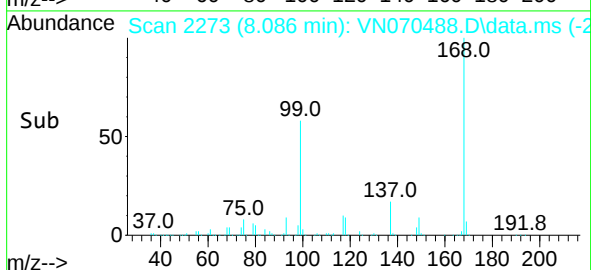


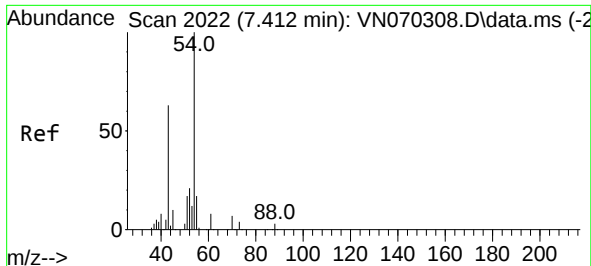
#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.134 min
 Lab File: VN070488.D
 Acq: 5 Jan 2022 14:40



Tgt Ion: 75 Resp: 144674

Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 16.074 ug/l

RT: 7.335 min Scan# 19

Delta R.T. -0.077 min

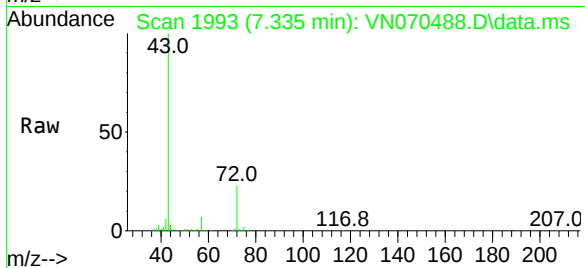
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Acq: 5 Jan 2022 14:40

Instrument :

MSVOA_N

ClientSampleId :



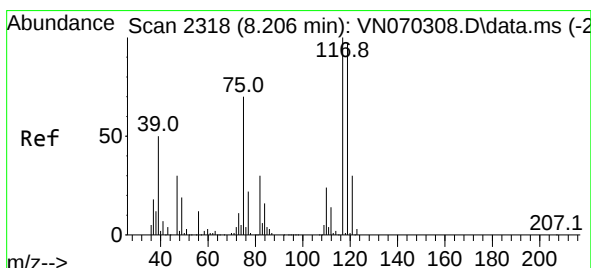
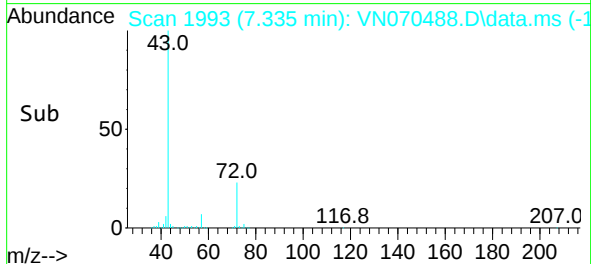
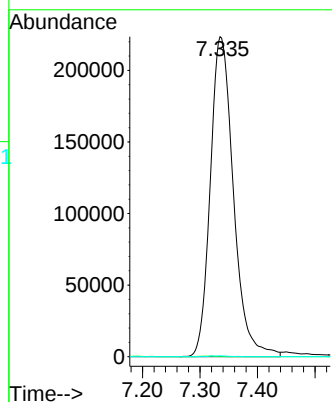
Tgt Ion: 43 Resp: 625346

Ion Ratio Lower Upper

43 100

61 0.1 11.5 17.3#

70 0.1 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.094 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070488.D

Acq: 5 Jan 2022 14:40

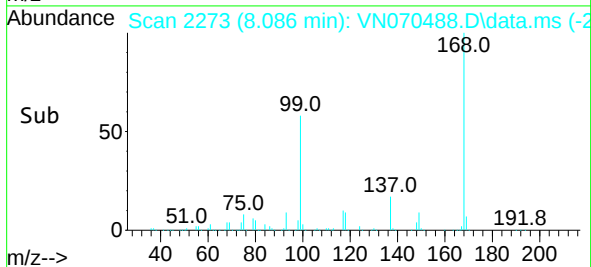
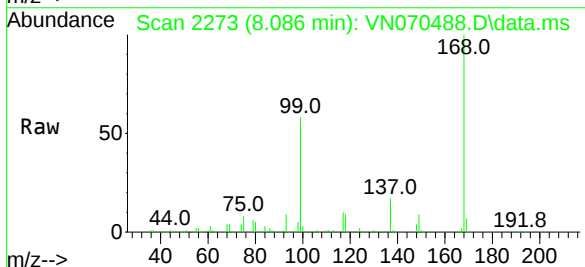
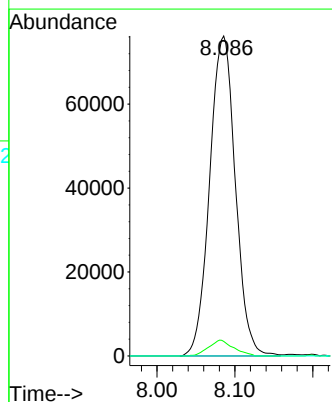
Tgt Ion: 117 Resp: 174655

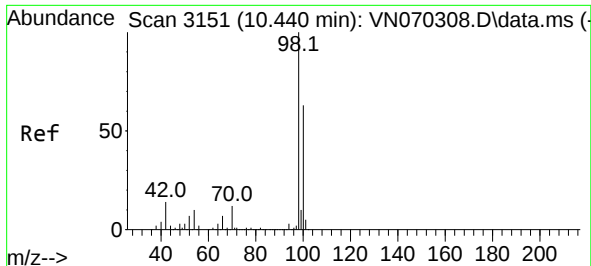
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.2 36.2#

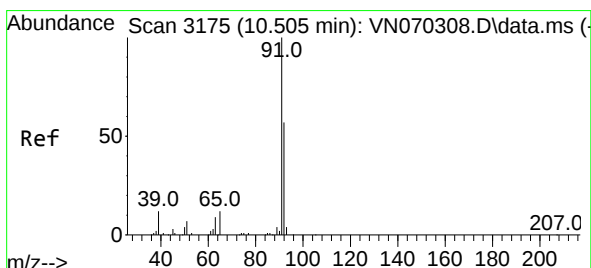
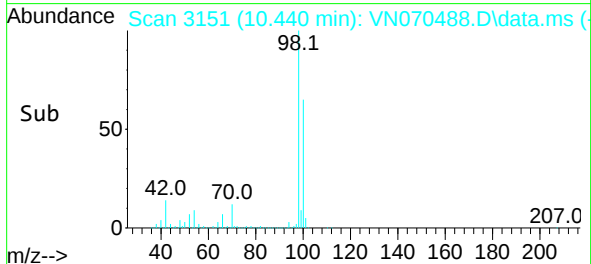
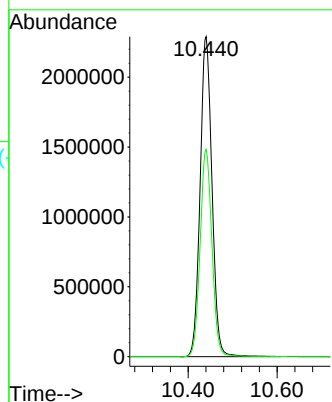
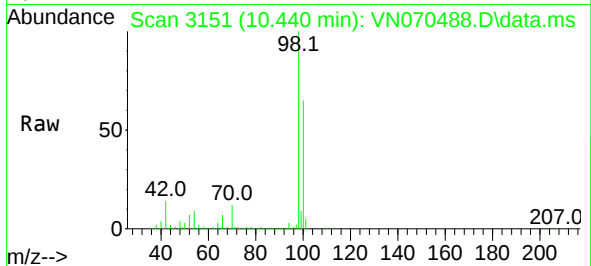




#50
Toluene-d8
Concen: 57.146 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

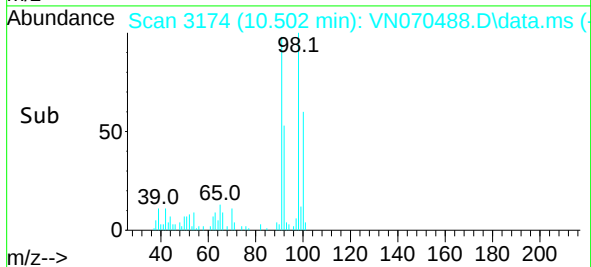
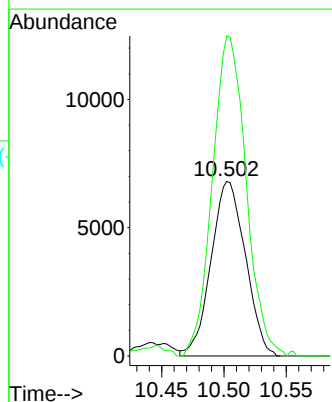
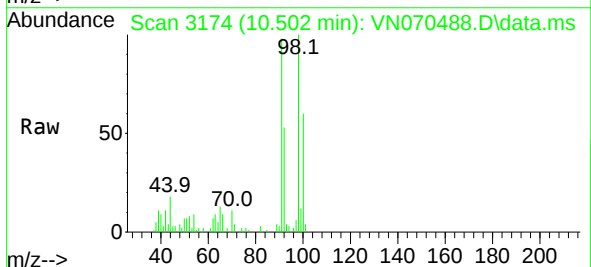
Instrument :
MSVOA_N
ClientSampleId :

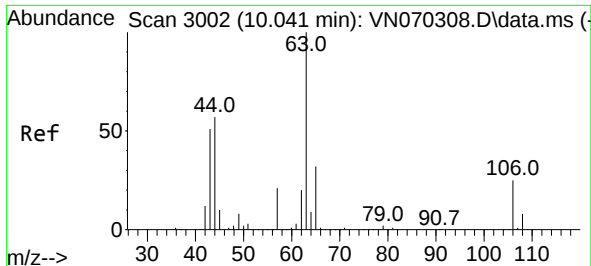
Tgt Ion: 98 Resp: 4235368
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#52
Toluene
Concen: 0.234 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.003 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

Tgt Ion: 92 Resp: 13047
Ion Ratio Lower Upper
92 100
91 179.7 142.0 213.0

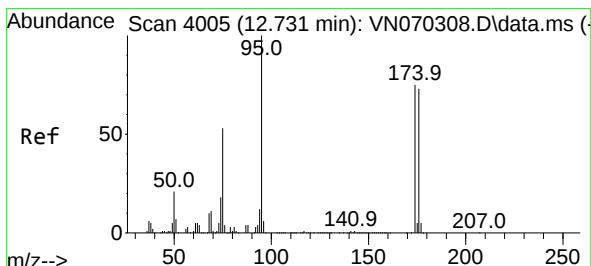
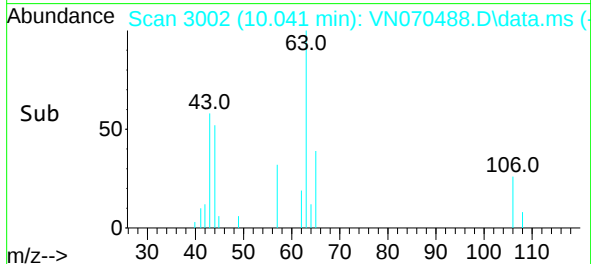
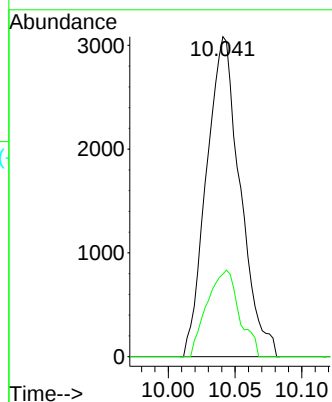
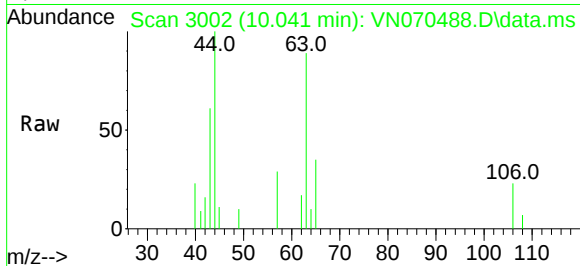




#58
2-Chloroethyl Vinyl ether
Concen: 19.051 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.000 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

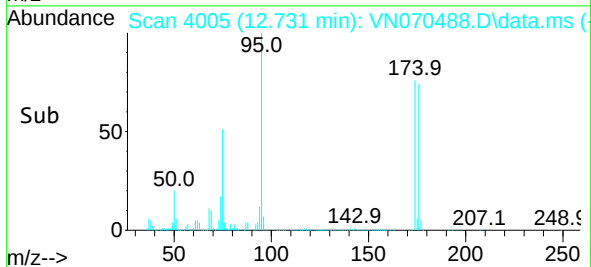
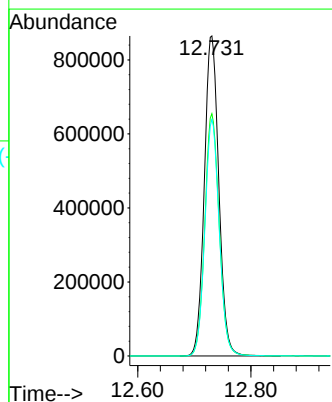
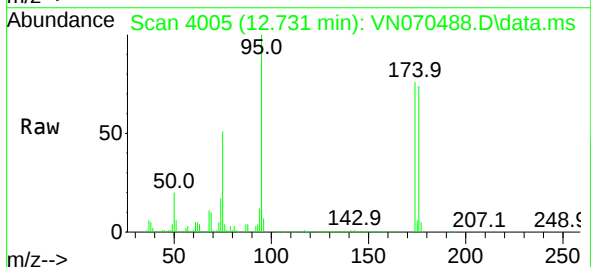
Instrument :
MSVOA_N
ClientSampleId :

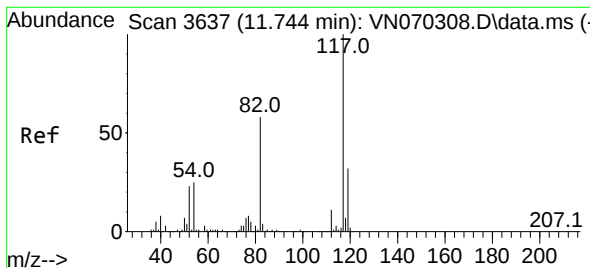
Tgt Ion: 63 Resp: 5403
Ion Ratio Lower Upper
63 100
106 25.8 23.9 35.9



#62
4-Bromofluorobenzene
Concen: 57.380 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

Tgt Ion: 95 Resp: 1536005
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 73.0 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

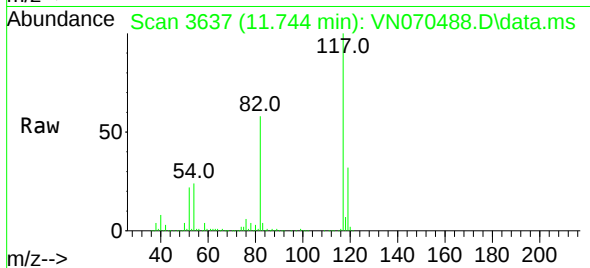
Lab File: VN070488.D

Acq: 5 Jan 2022 14:40

Instrument :

MSVOA_N

ClientSampleId :



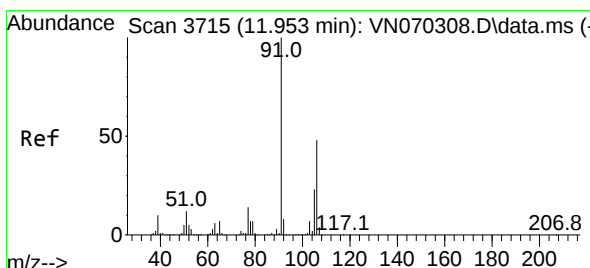
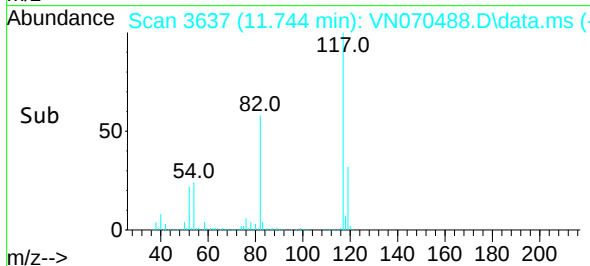
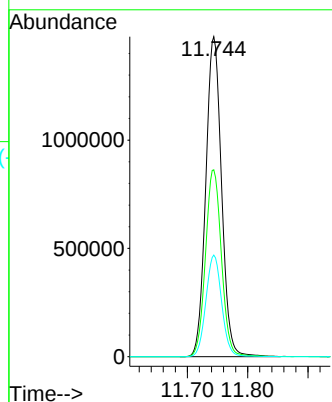
Tgt Ion:117 Resp: 2679911

Ion Ratio Lower Upper

117 100

82 58.4 42.4 63.6

119 31.7 25.4 38.2



#68

m/p-Xylenes

Concen: 0.713 ug/l

RT: 11.948 min Scan# 3713

Delta R.T. -0.005 min

Lab File: VN070488.D

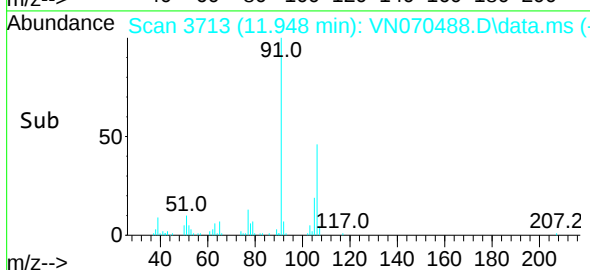
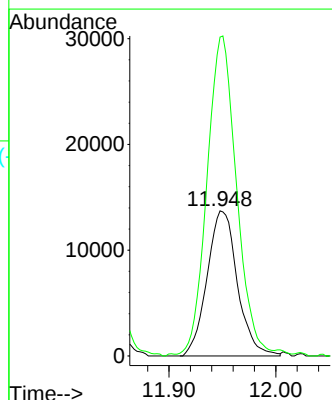
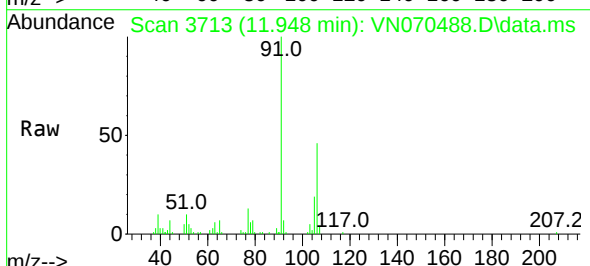
Acq: 5 Jan 2022 14:40

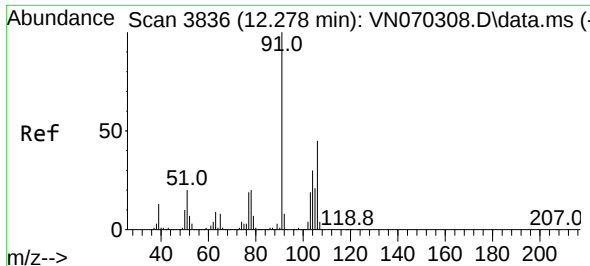
Tgt Ion:106 Resp: 27054

Ion Ratio Lower Upper

106 100

91 211.3 160.6 240.8

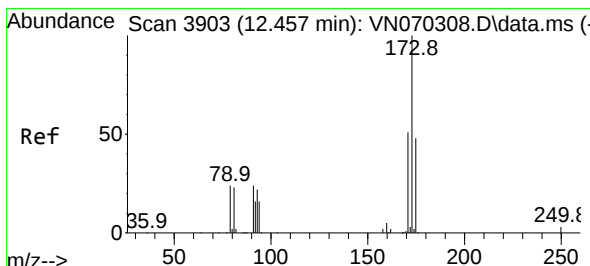
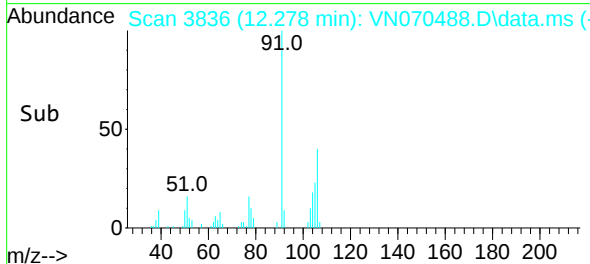
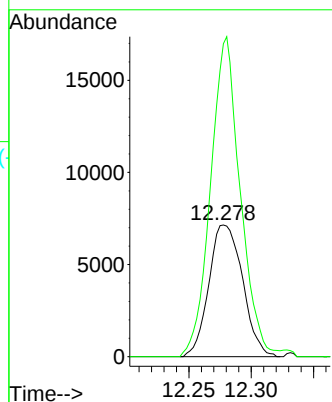
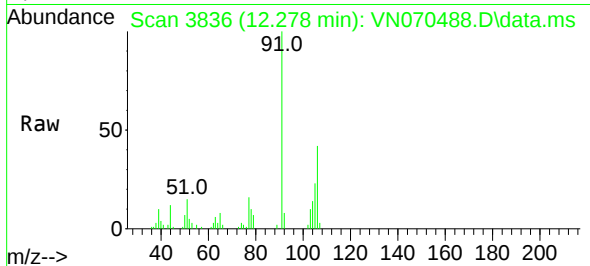




#69
o-Xylene
Concen: 0.357 ug/l
RT: 12.278 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

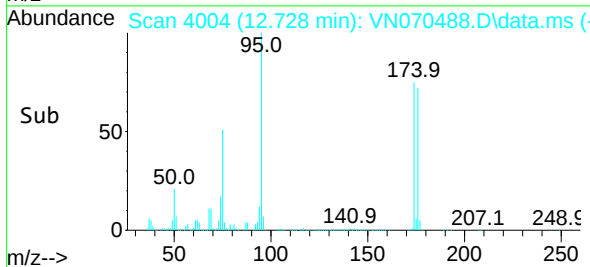
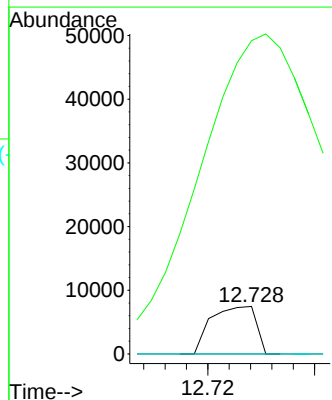
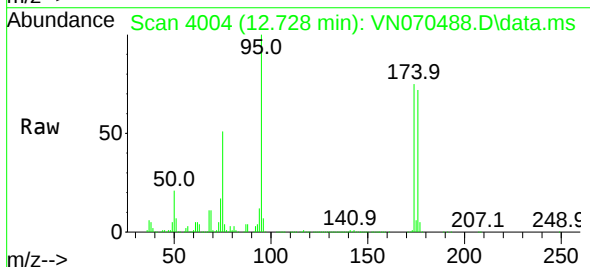
Instrument :
MSVOA_N
ClientSampleId :

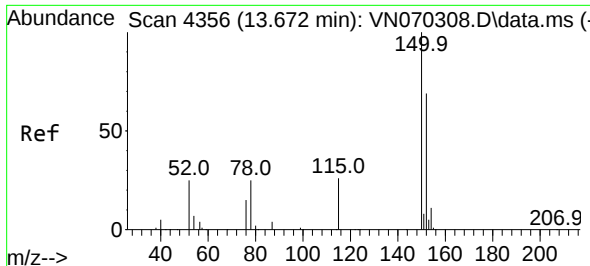
Tgt Ion:106 Resp: 13454
Ion Ratio Lower Upper
106 100
91 213.4 105.8 317.3



#71
Bromoform
Concen: 0.288 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.271 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

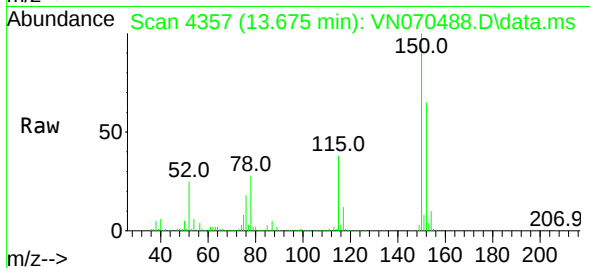
Tgt Ion:173 Resp: 4345
Ion Ratio Lower Upper
173 100
175 1857.0 24.2 72.6#
254 0.0 0.0 0.0



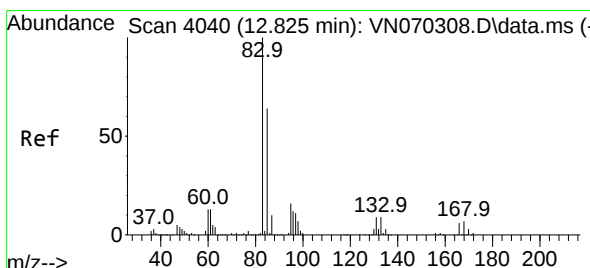
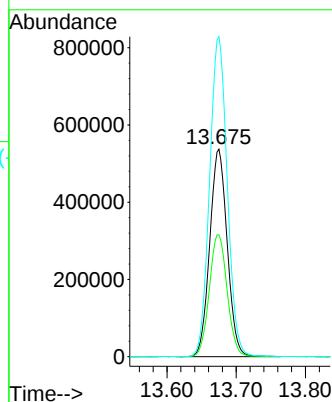
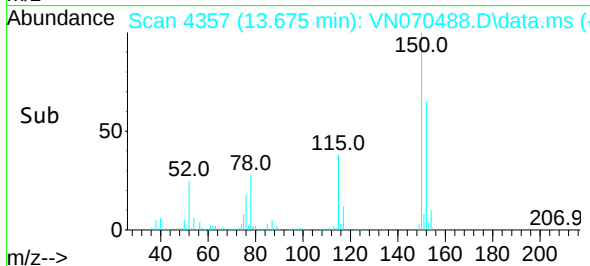


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070488.D
 Acq: 5 Jan 2022 14:40

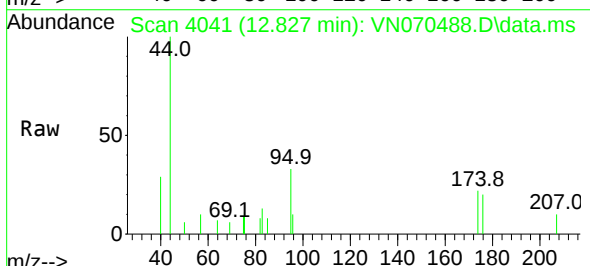
Instrument :
 MSVOA_N
 ClientSampleId :



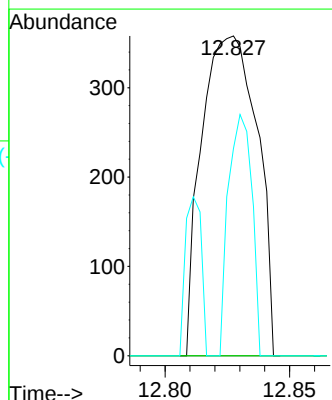
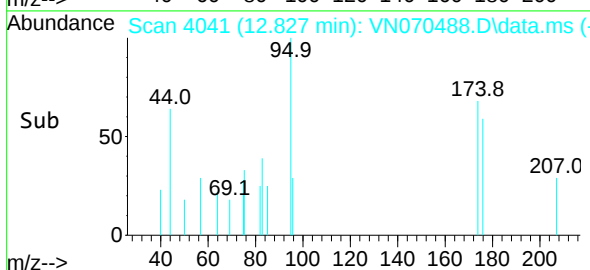
Tgt Ion:152 Resp: 941512
 Ion Ratio Lower Upper
 152 100
 115 60.1 27.5 82.5
 150 155.9 0.0 344.4

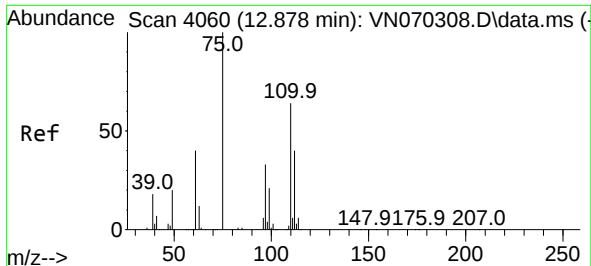


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.464 ug/l
 RT: 12.827 min Scan# 4041
 Delta R.T. 0.002 min
 Lab File: VN070488.D
 Acq: 5 Jan 2022 14:40



Tgt Ion: 83 Resp: 553
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 32.0 32.4 97.2#

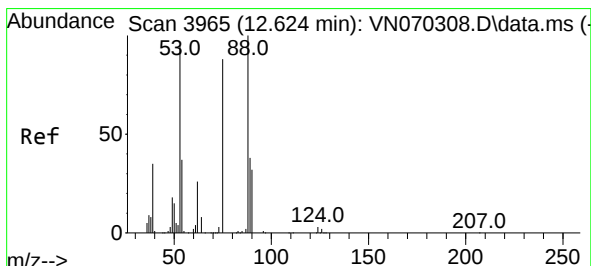
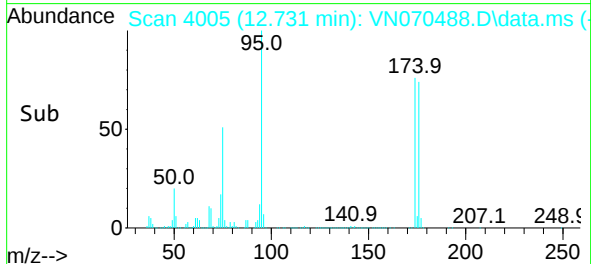
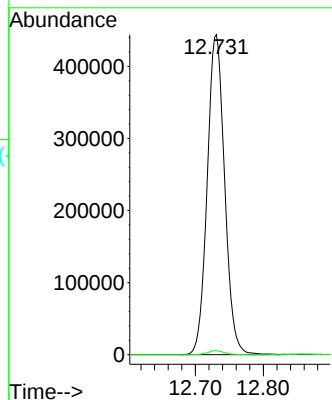
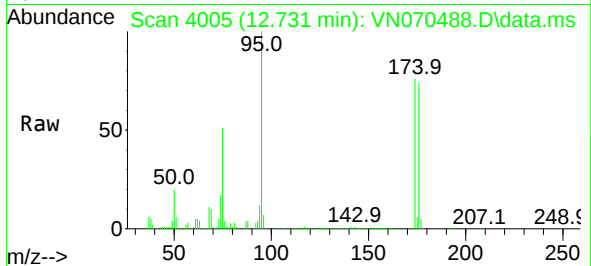




#76
1,2,3-Trichloropropane
Concen: 29.571 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

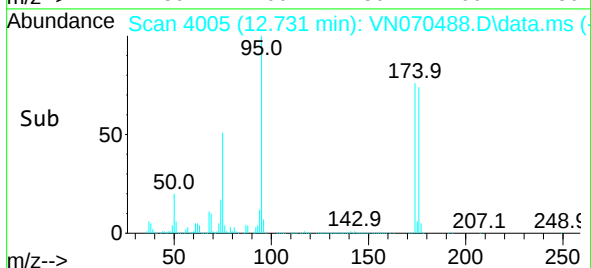
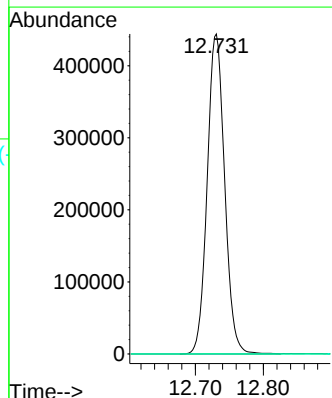
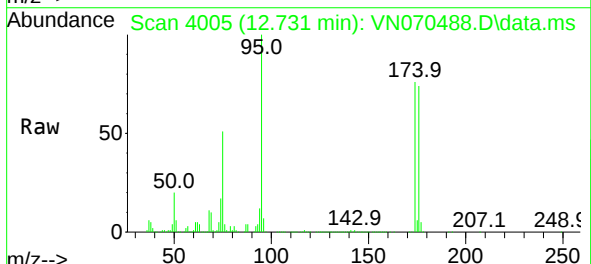
Instrument :
MSVOA_N
ClientSampleId :

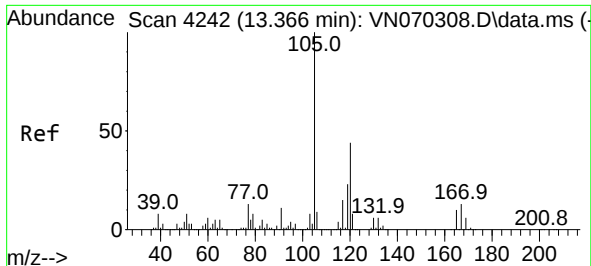
Tgt Ion: 75 Resp: 791303
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.685 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

Tgt Ion: 75 Resp: 791303
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

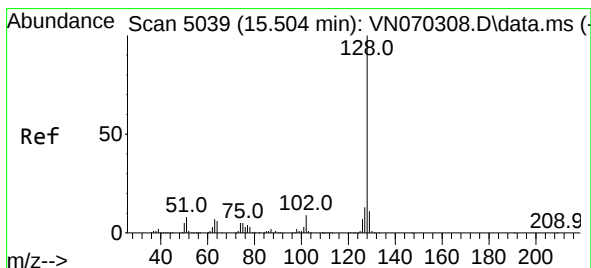
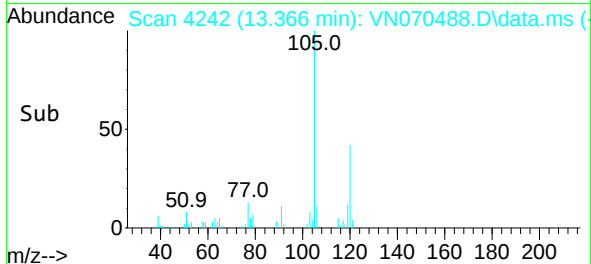
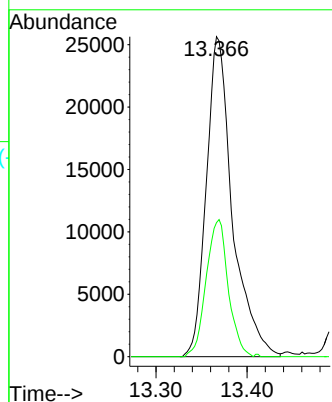
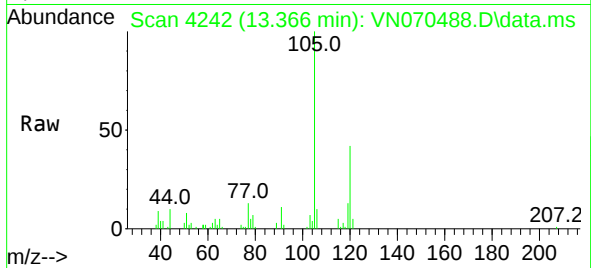




#84
1,2,4-Trimethylbenzene
Concen: 0.757 ug/l
RT: 13.366 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

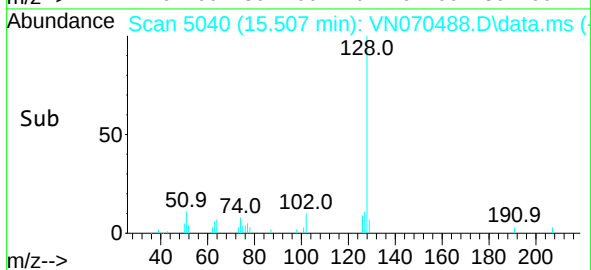
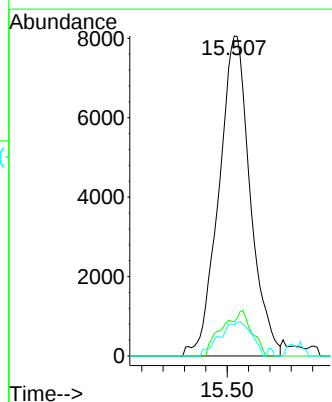
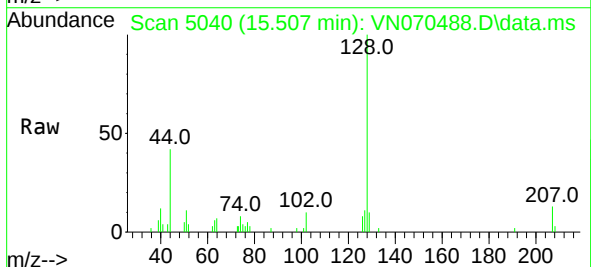
Instrument :
MSVOA_N
ClientSampleId :

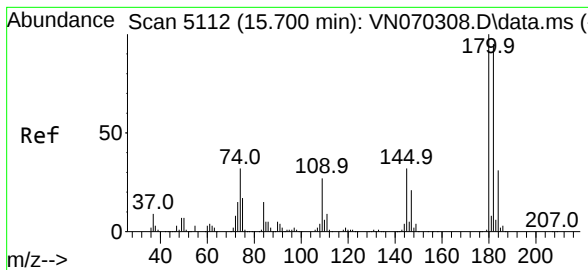
Tgt Ion:105 Resp: 51043
Ion Ratio Lower Upper
105 100
120 36.2 22.8 68.4



#95
Naphthalene
Concen: 2.166 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070488.D
Acq: 5 Jan 2022 14:40

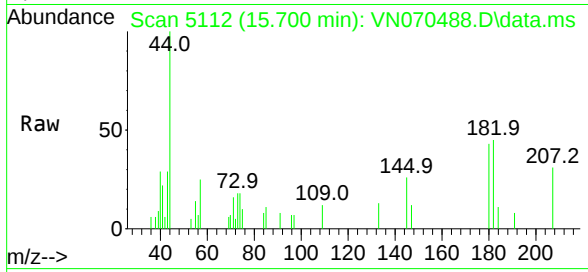
Tgt Ion:128 Resp: 16412
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.008 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070488.D
 Acq: 5 Jan 2022 14:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2740
Ion	Ratio	Lower	Upper
180	100		
182	105.9	47.4	142.2
145	43.9	15.0	45.1

