

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070487.D
 Acq On : 5 Jan 2022 14:15
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 12:34:33 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)

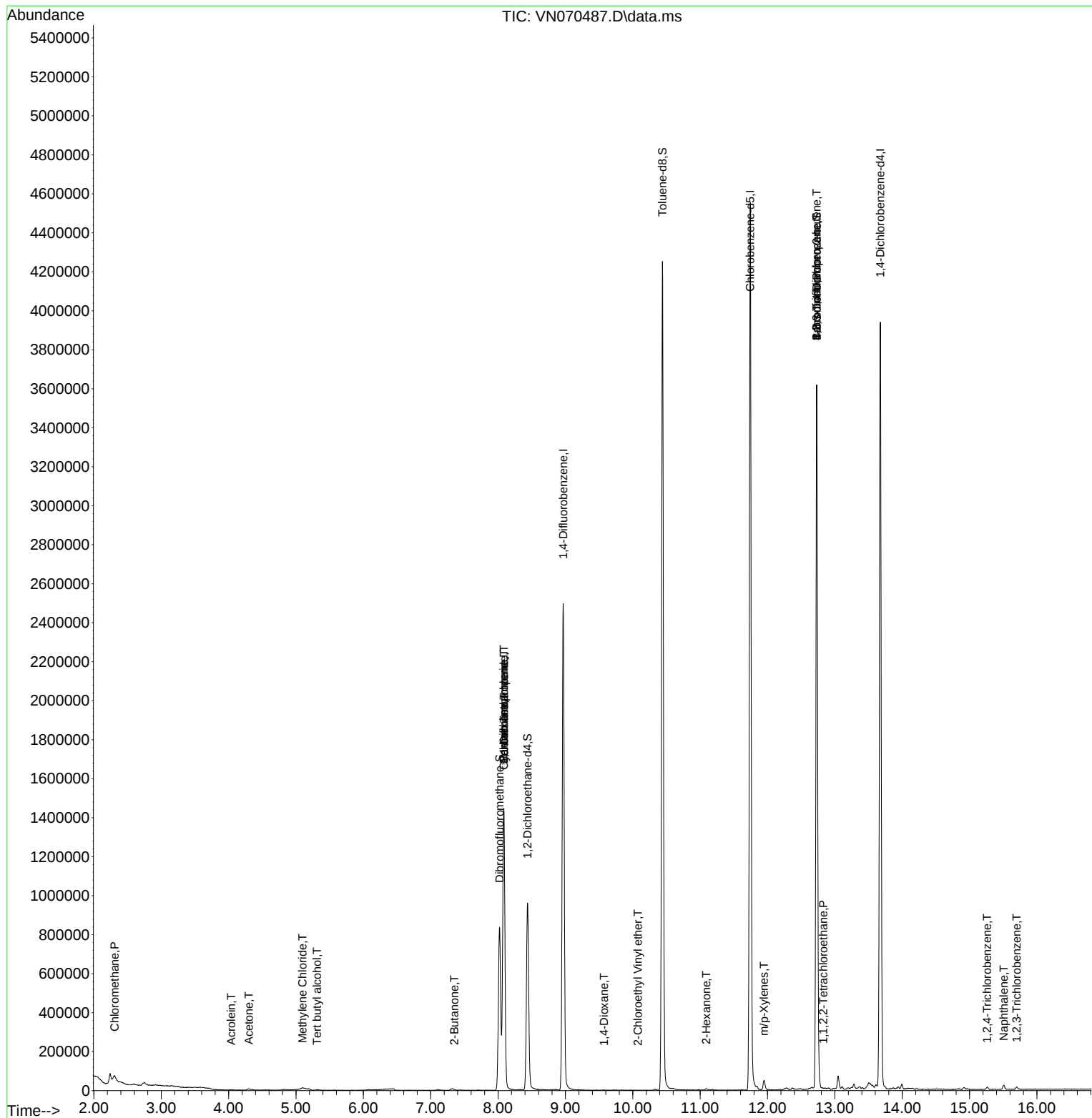
Internal Standards						
1) Pentafluorobenzene	8.086	168	1138139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2193634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2648439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1101770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	810019	49.499	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.000%
35) Dibromofluoromethane	8.021	113	623904	47.007	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.020%
50) Toluene-d8	10.440	98	2948695	54.384	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.760%
62) 4-Bromofluorobenzene	12.731	95	1311361	66.964	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	133.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	3960	0.226	ug/l	89
11) Tert butyl alcohol	5.312	59	1419	0.521	ug/l #	71
13) Acrolein	4.038	56	1131	0.512	ug/l	87
16) Acetone	4.299	43	6571	0.619	ug/l	92
20) Methylene Chloride	5.095	84	4361	0.297	ug/l #	85
25) 2-Butanone	7.351	43	3369	0.252	ug/l #	85
31) Cyclohexane	8.088	56	26685	1.033	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	90175	4.107	ug/l #	49
38) Carbon Tetrachloride	8.086	117	111096	5.299	ug/l #	16
49) 1,4-Dioxane	9.574	88	89	0.284	ug/l #	29
58) 2-Chloroethyl Vinyl ether	10.076	63	58	18.521	ug/l #	45
59) 2-Hexanone	11.089	43	7448	0.362	ug/l	84
68) m/p-Xylenes	11.948	106	14965	0.399	ug/l	96
71) Bromoform	12.731	173	9044	0.607	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.827	83	1103	0.476	ug/l #	85
76) 1,2,3-Trichloropropane	12.731	75	684308	22.566	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	684308	75.884	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	4377	0.241	ug/l	95
95) Naphthalene	15.507	128	21752	2.215	ug/l	97
96) 1,2,3-Trichlorobenzene	15.700	180	4811	1.098	ug/l	97

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

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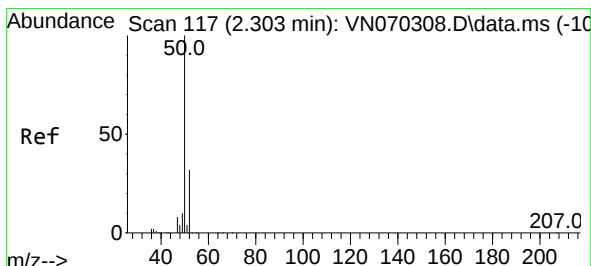
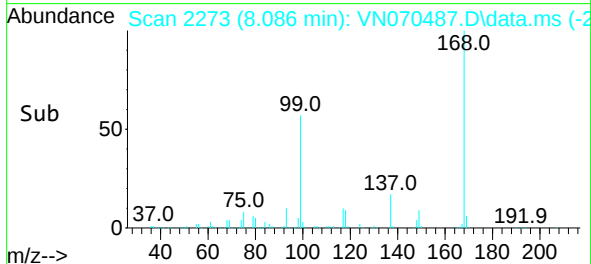
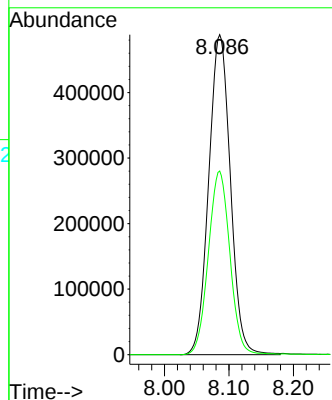
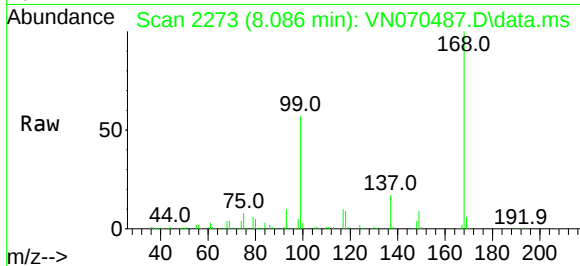




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

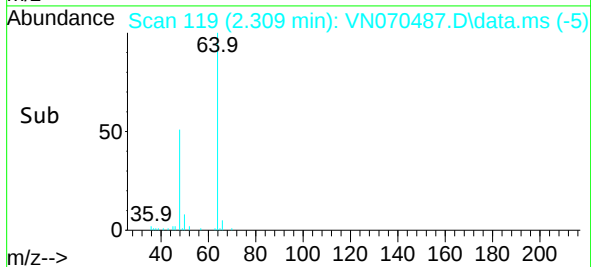
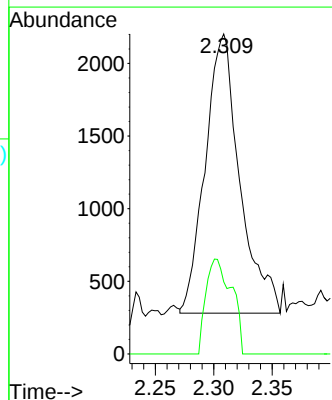
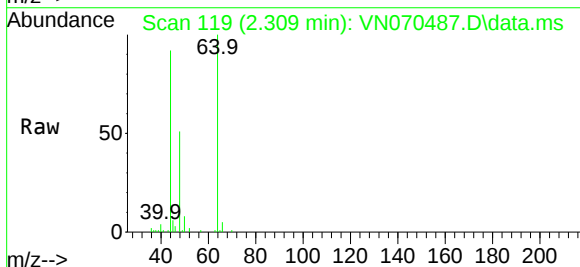
Instrument :
MSVOA_N
ClientSampleId :

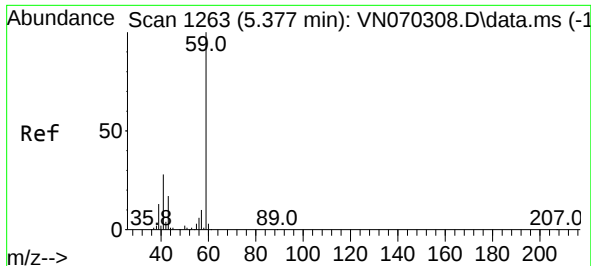
Tgt Ion:168 Resp: 1138139
Ion Ratio Lower Upper
168 100
99 57.4 41.3 61.9



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

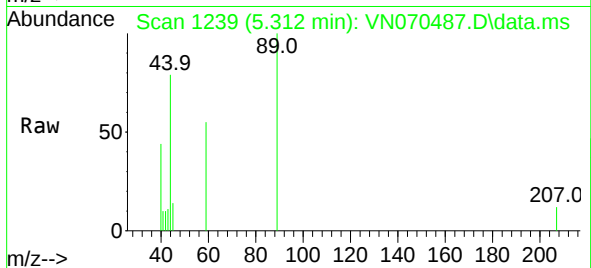
Tgt Ion: 50 Resp: 3960
Ion Ratio Lower Upper
50 100
52 25.9 25.4 38.0



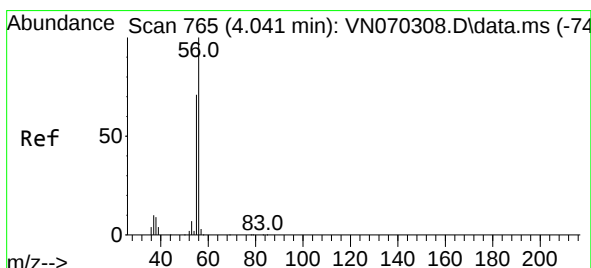
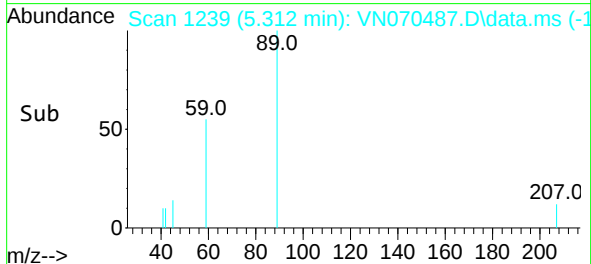
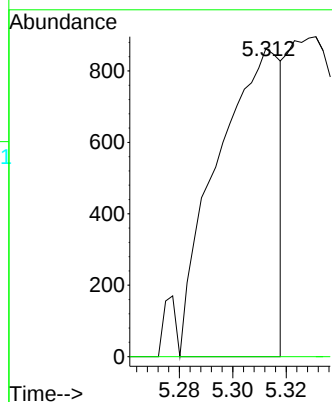


#11
Tert butyl alcohol
Concen: 0.521 ug/l
RT: 5.312 min Scan# 11
Delta R.T. -0.065 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Instrument :
MSVOA_N
ClientSampleId :

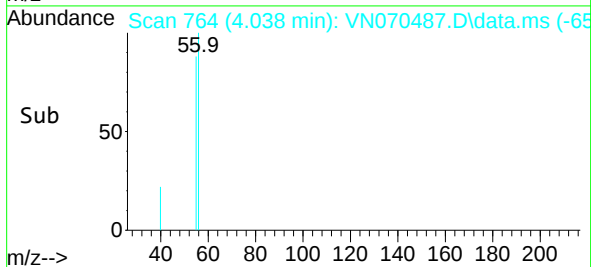
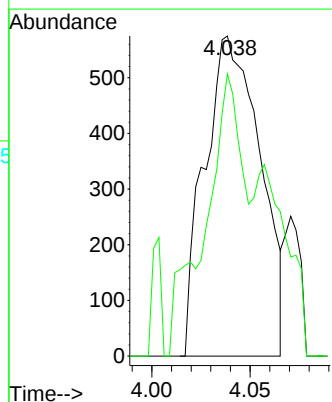
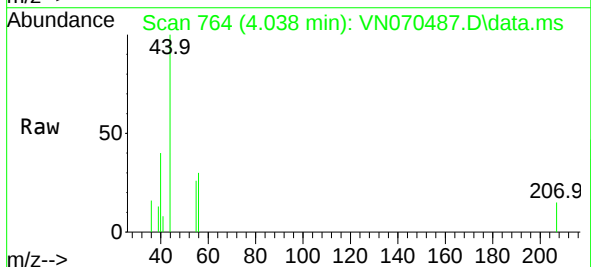


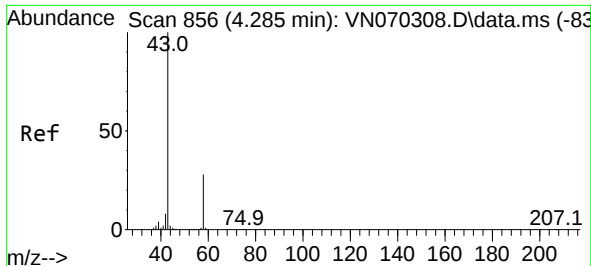
Tgt Ion: 59 Resp: 1419
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.512 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Tgt Ion: 56 Resp: 1131
Ion Ratio Lower Upper
56 100
55 60.0 56.6 85.0

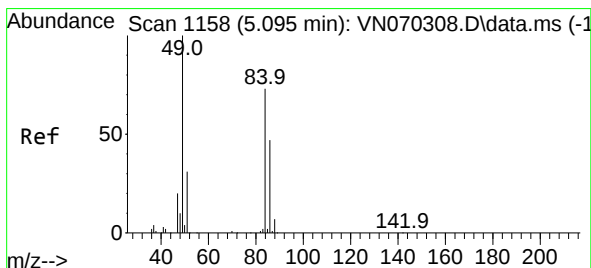
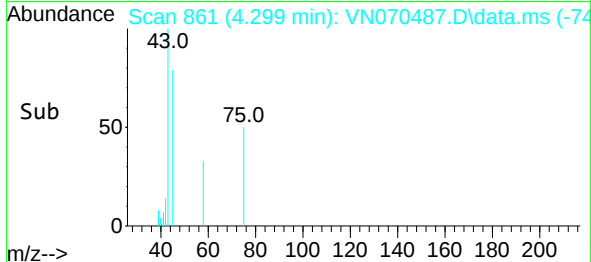
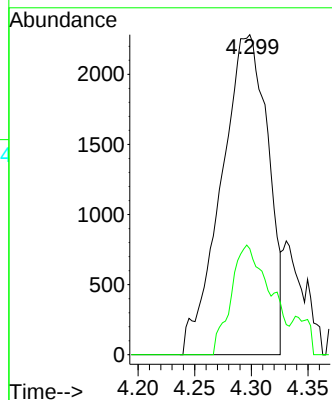
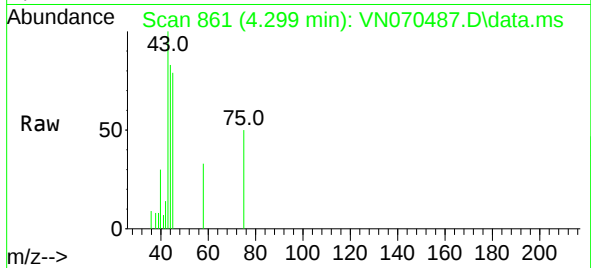




#16
Acetone
Concen: 0.619 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

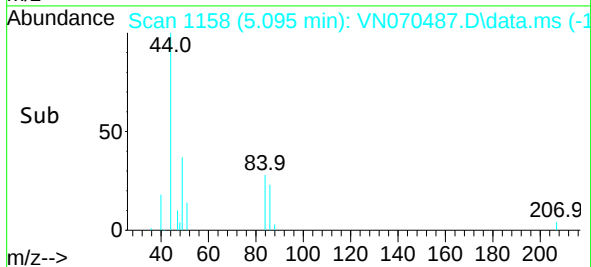
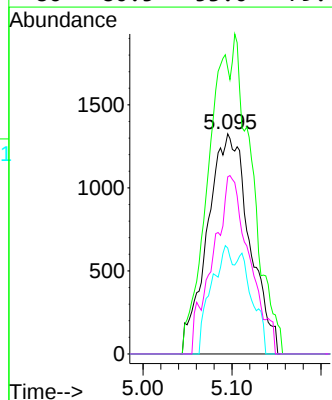
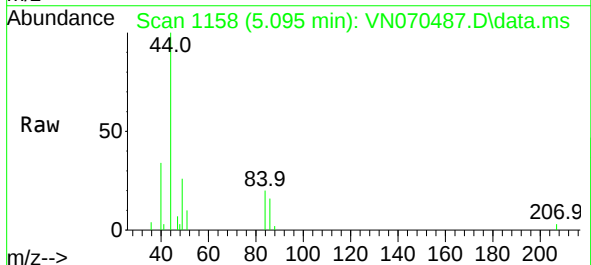
Instrument :
MSVOA_N
ClientSampleId :

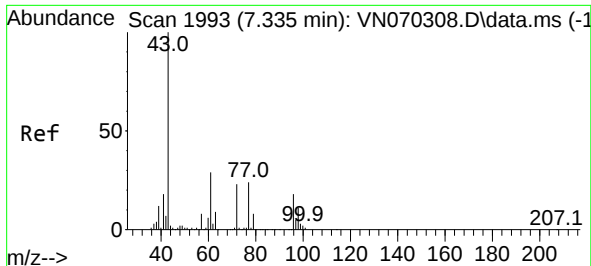
Tgt Ion: 43 Resp: 6571
Ion Ratio Lower Upper
43 100
58 33.1 23.1 34.7



#20
Methylene Chloride
Concen: 0.297 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Tgt Ion: 84 Resp: 4361
Ion Ratio Lower Upper
84 100
49 129.9 93.5 140.3
51 48.1 29.4 44.2#
86 80.5 53.0 79.4#





#25

2-Butanone

Concen: 0.252 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

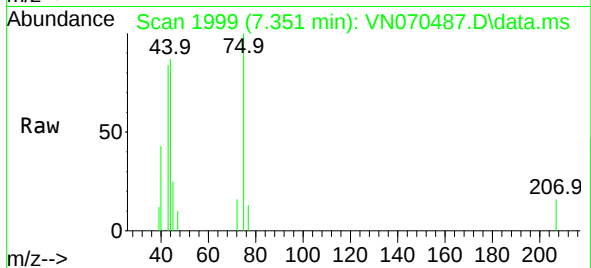
Lab File: VN070487.D

Acq: 5 Jan 2022 14:15

Instrument :

MSVOA_N

ClientSampleId :

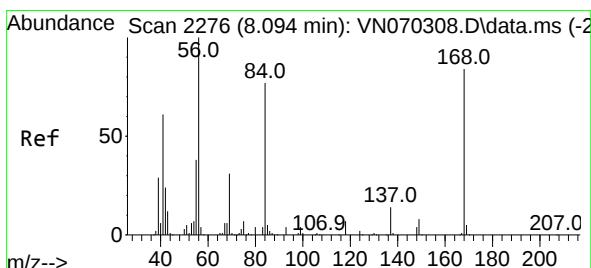
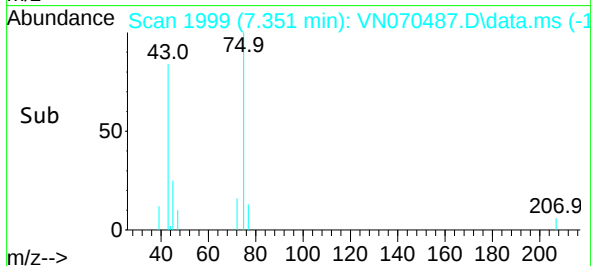
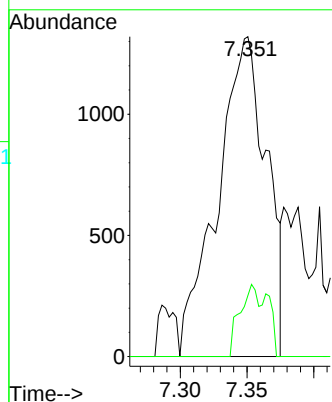


Tgt Ion: 43 Resp: 3369

Ion Ratio Lower Upper

43 100

72 19.1 21.7 32.5#



#31

Cyclohexane

Concen: 1.033 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN070487.D

Acq: 5 Jan 2022 14:15

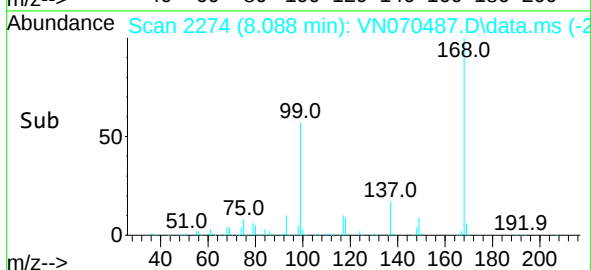
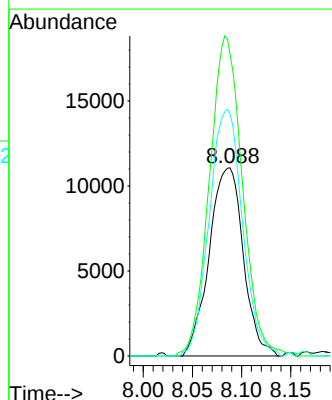
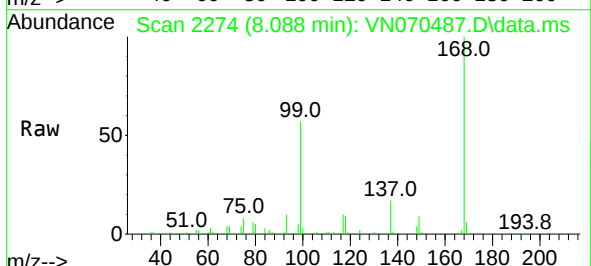
Tgt Ion: 56 Resp: 26685

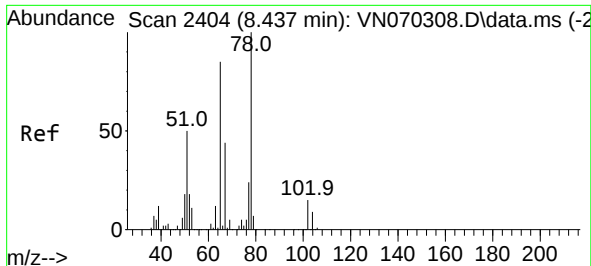
Ion Ratio Lower Upper

56 100

69 158.6 27.1 40.7#

84 128.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.499 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070487.D

Acq: 5 Jan 2022 14:15

Instrument :

MSVOA_N

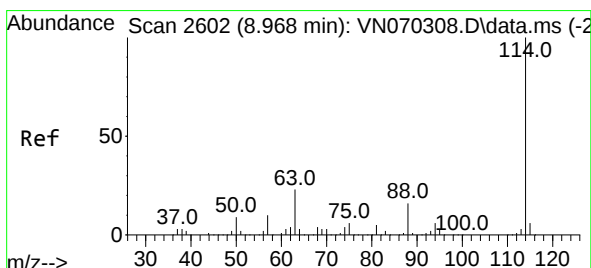
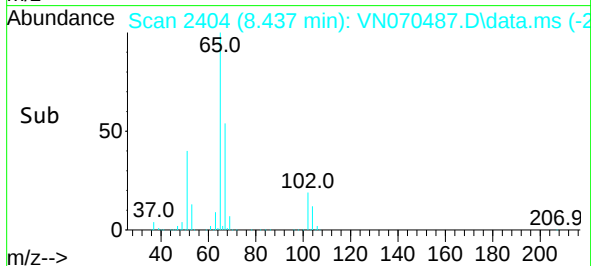
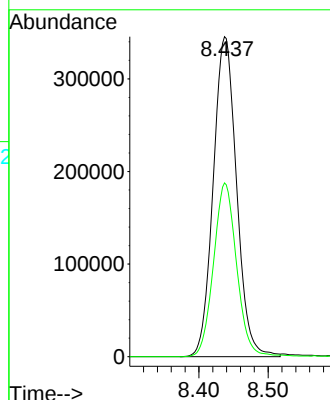
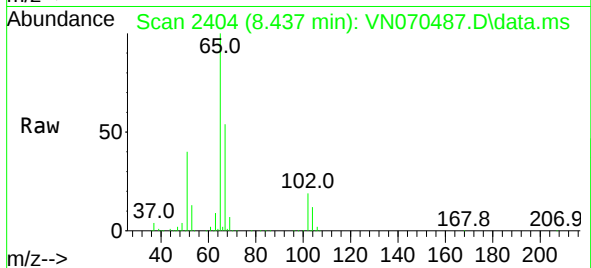
ClientSampleId :

Tgt Ion: 65 Resp: 810019

Ion Ratio Lower Upper

65 100

67 53.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070487.D

Acq: 5 Jan 2022 14:15

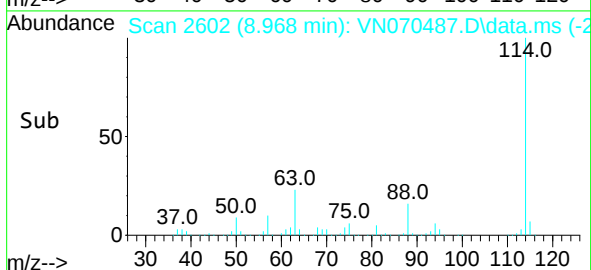
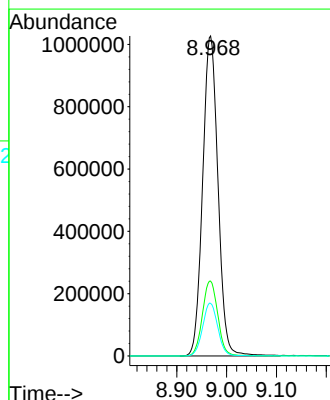
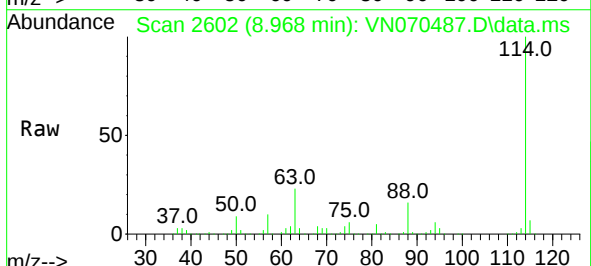
Tgt Ion: 114 Resp: 2193634

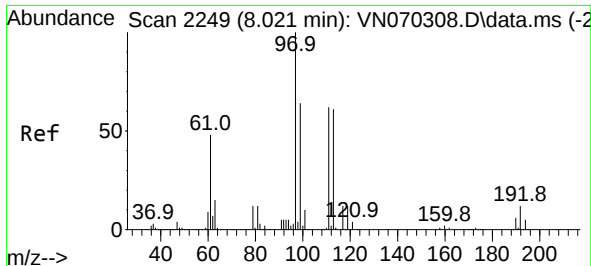
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

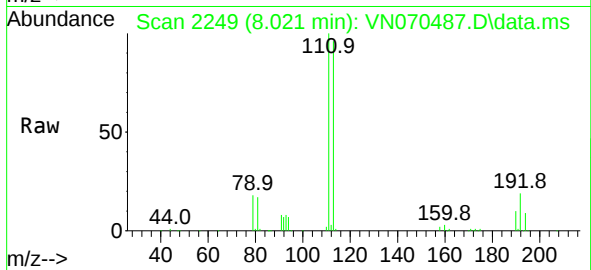
88 16.4 0.0 27.4



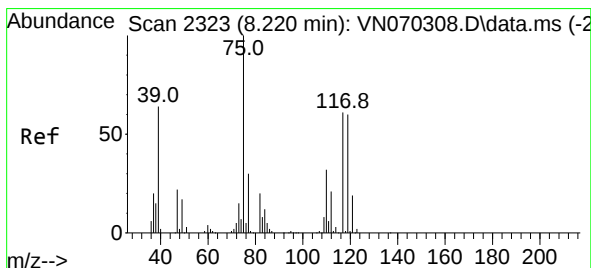
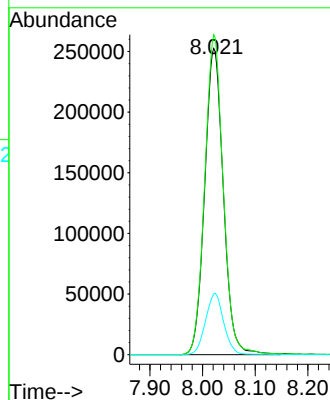
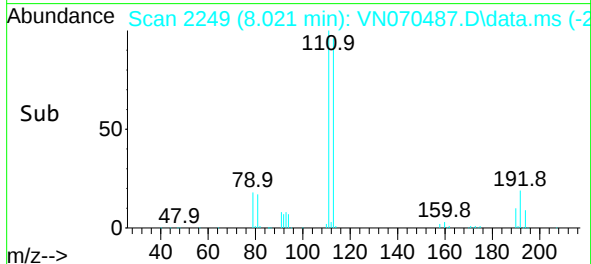


#35
Dibromofluoromethane
Concen: 47.007 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Instrument :
MSVOA_N
ClientSampleId :

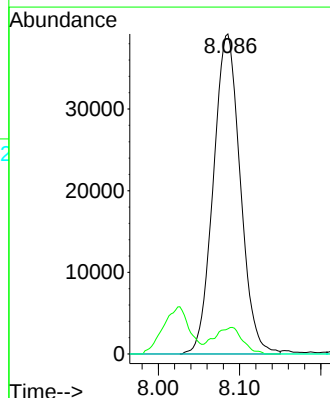
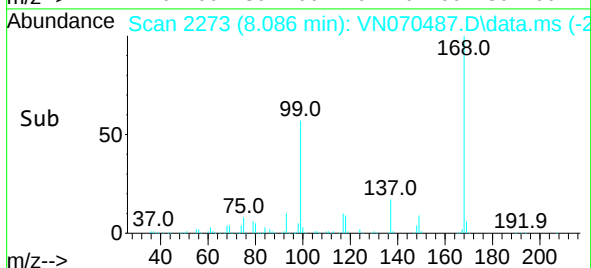
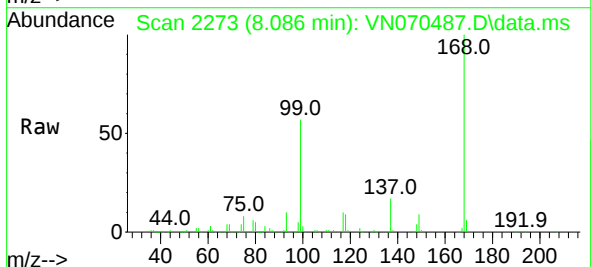


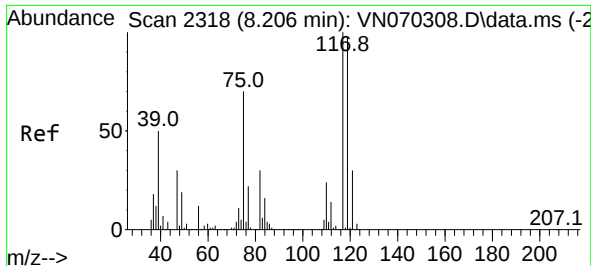
Tgt Ion:113 Resp: 623904
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.107 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

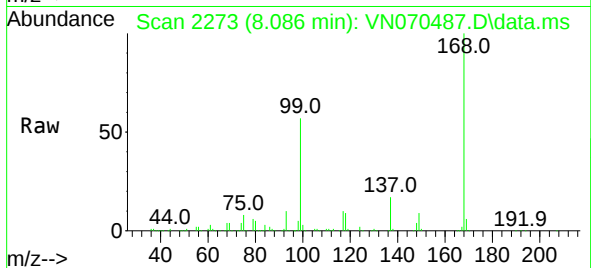
Tgt Ion: 75 Resp: 90175
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



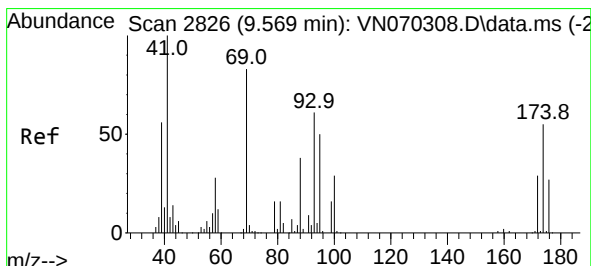
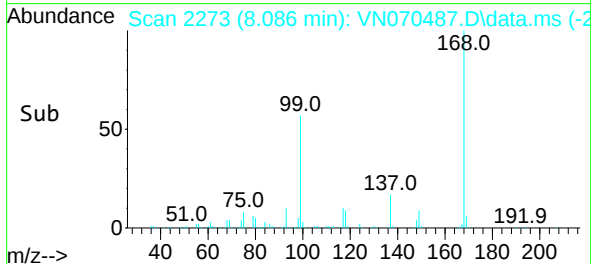
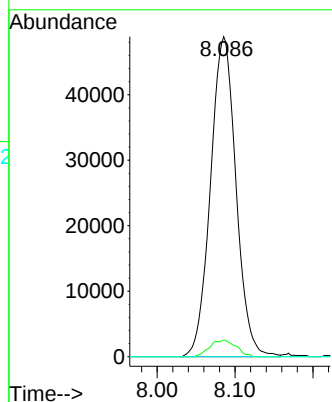


#38
Carbon Tetrachloride
Concen: 5.299 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Instrument :
MSVOA_N
ClientSampleId :

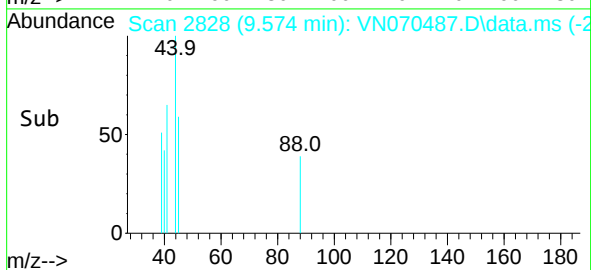
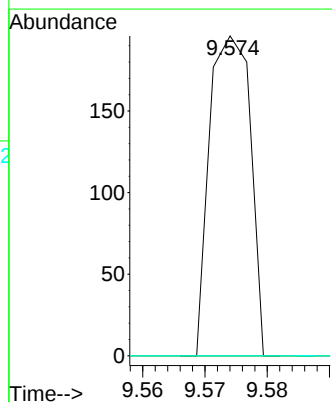
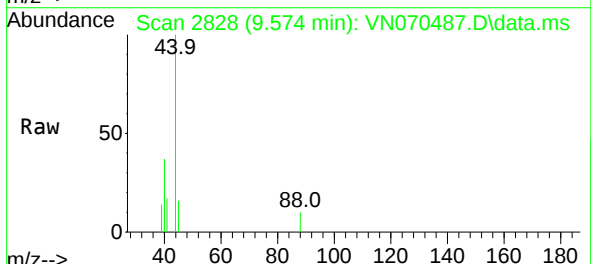


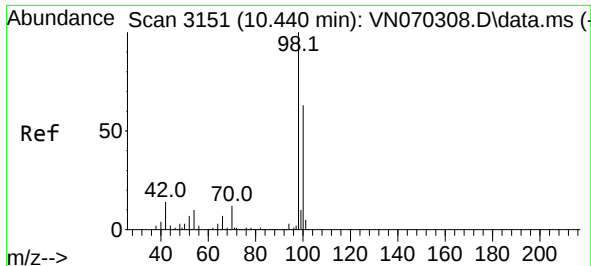
Tgt Ion:117 Resp: 111096
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.284 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.005 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 56.2 23.4 35.2#
58 0.0 50.6 75.8#

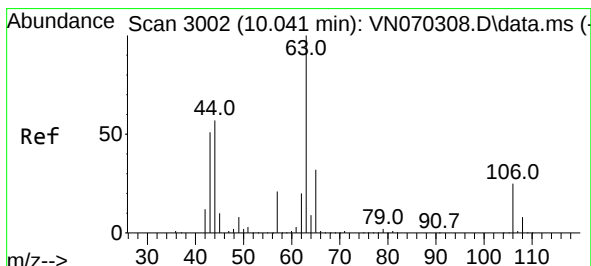
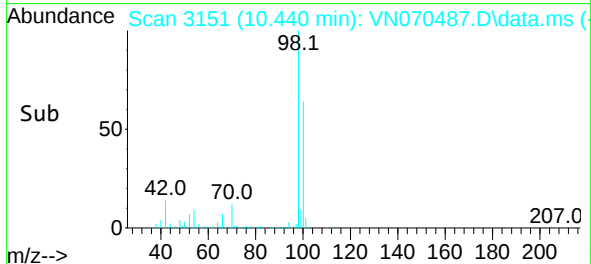
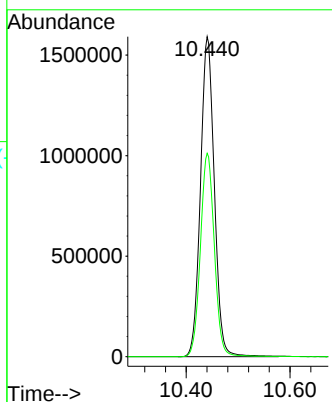
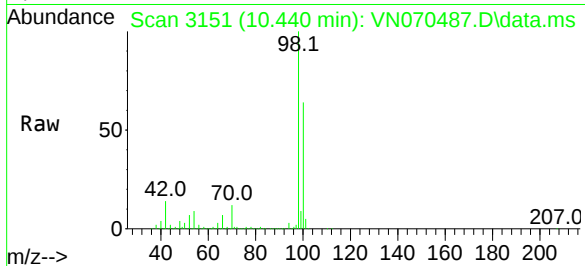




#50
Toluene-d8
Concen: 54.384 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

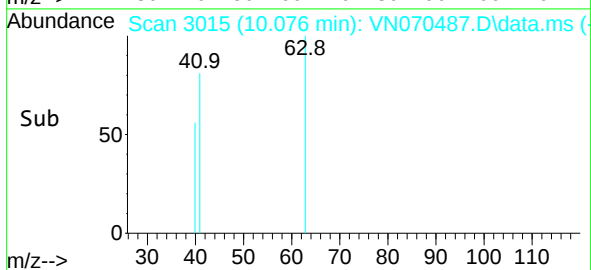
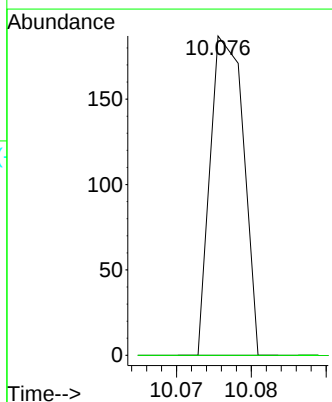
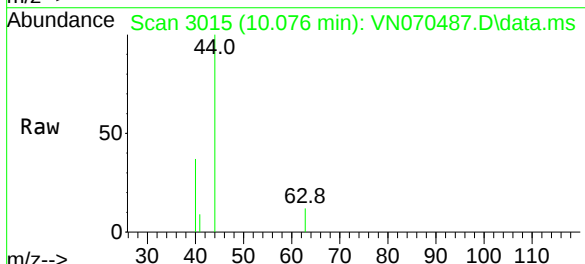
Instrument :
MSVOA_N
ClientSampleId :

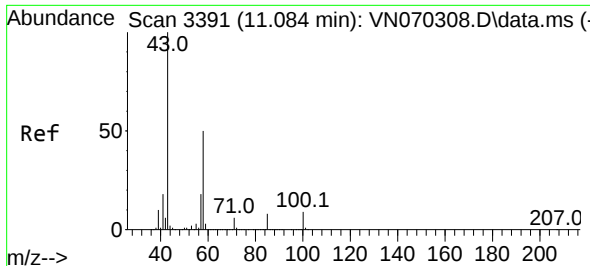
Tgt Ion: 98 Resp: 2948695
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.521 ug/l
RT: 10.076 min Scan# 3015
Delta R.T. 0.035 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

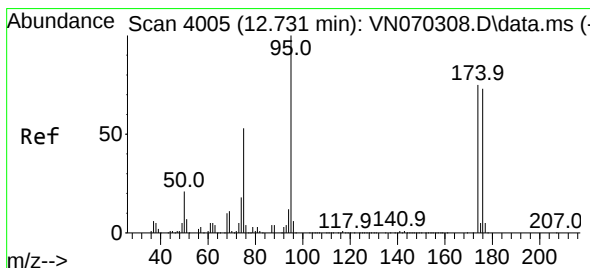
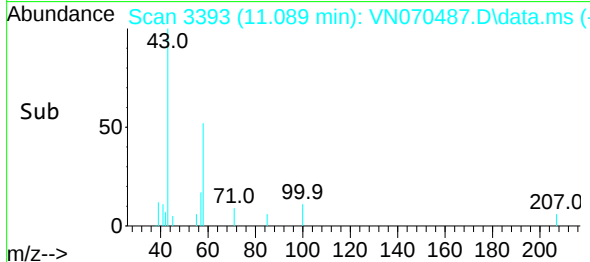
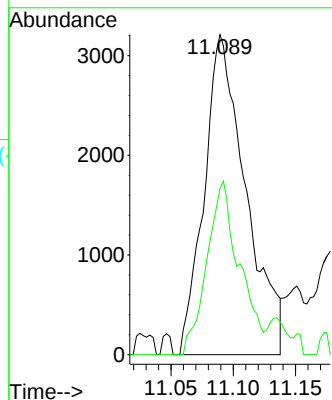
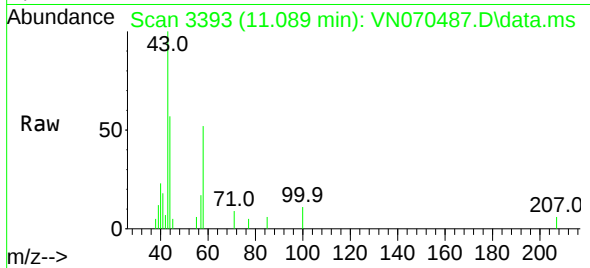




#59
2-Hexanone
Concen: 0.362 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

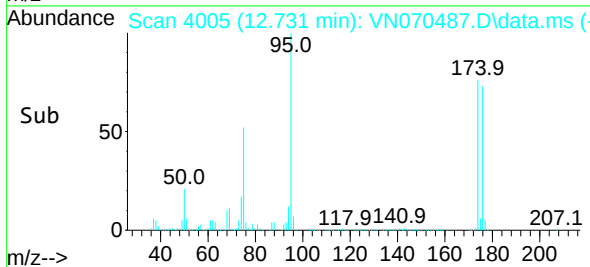
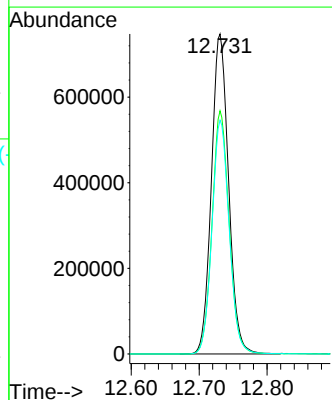
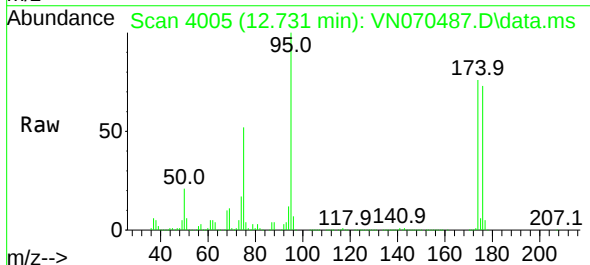
Instrument :
MSVOA_N
ClientSampleId :

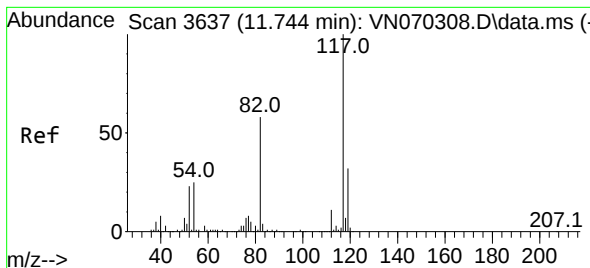
Tgt Ion: 43 Resp: 7448
Ion Ratio Lower Upper
43 100
58 42.5 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 66.964 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Tgt Ion: 95 Resp: 1311361
Ion Ratio Lower Upper
95 100
174 75.5 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

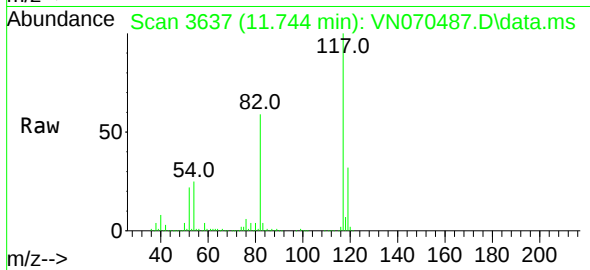
Lab File: VN070487.D

Acq: 5 Jan 2022 14:15

Instrument :

MSVOA_N

ClientSampleId :



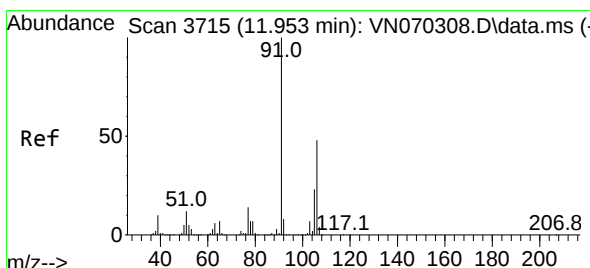
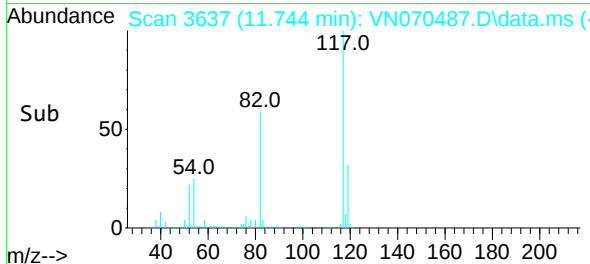
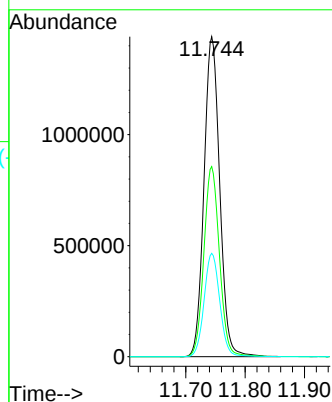
Tgt Ion:117 Resp: 2648439

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 32.3 25.4 38.2



#68

m/p-Xylenes

Concen: 0.399 ug/l

RT: 11.948 min Scan# 3713

Delta R.T. -0.005 min

Lab File: VN070487.D

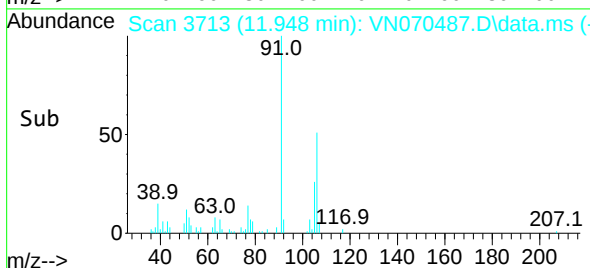
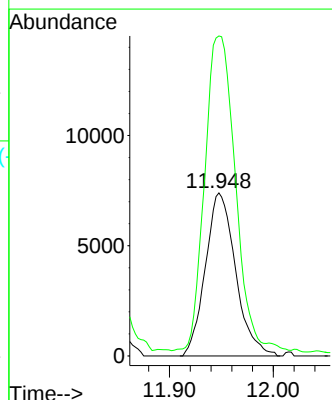
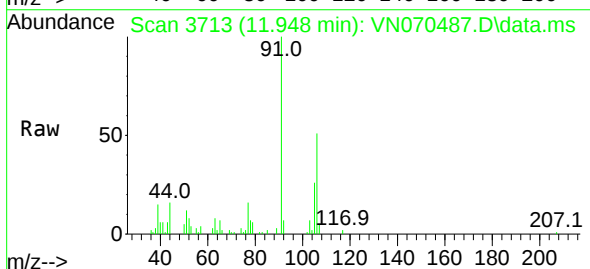
Acq: 5 Jan 2022 14:15

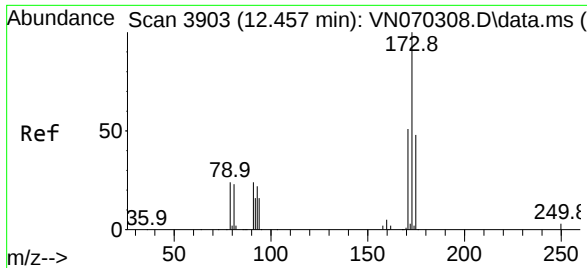
Tgt Ion:106 Resp: 14965

Ion Ratio Lower Upper

106 100

91 193.9 160.6 240.8

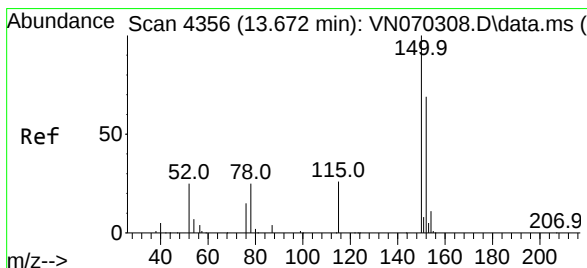
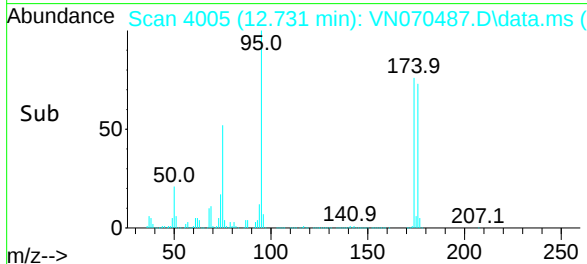
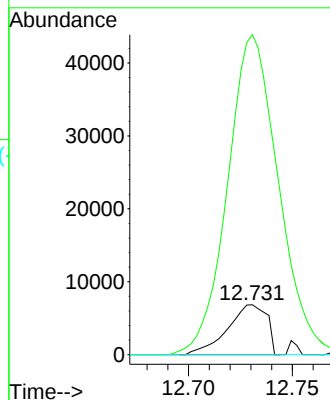
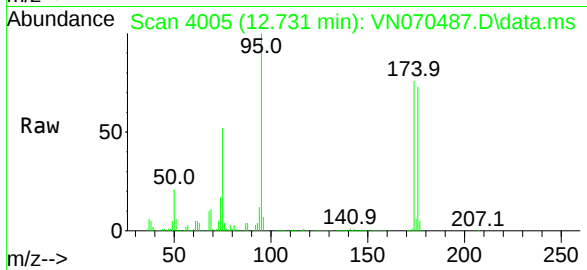




#71
Bromoform
Concen: 0.607 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

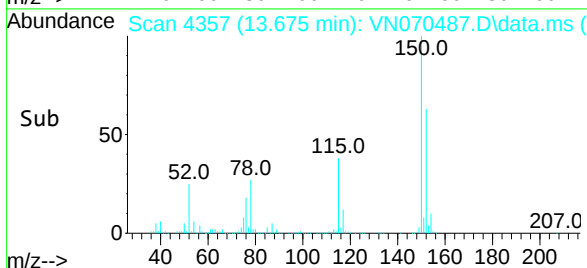
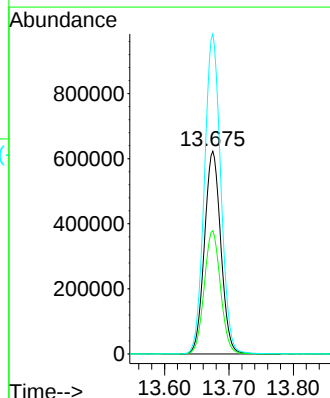
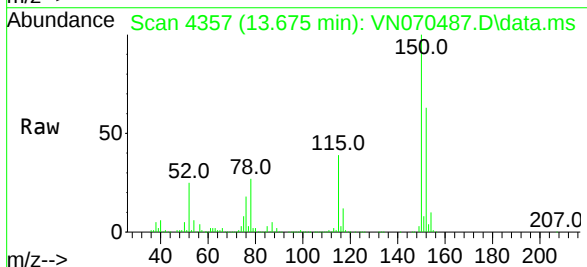
Instrument :
MSVOA_N
ClientSampleId :

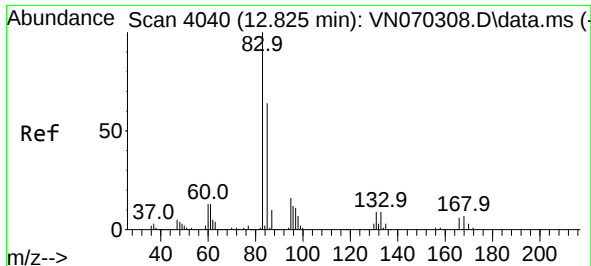
Tgt Ion:173 Resp: 9044
Ion Ratio Lower Upper
173 100
175 756.2 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Tgt Ion:152 Resp: 1101770
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 157.4 0.0 344.4

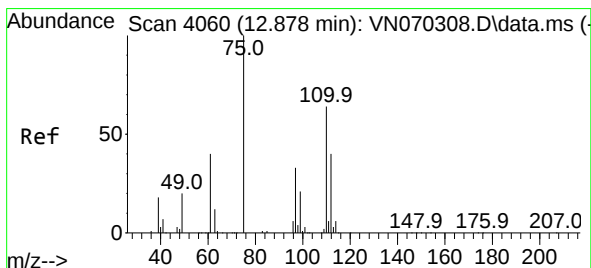
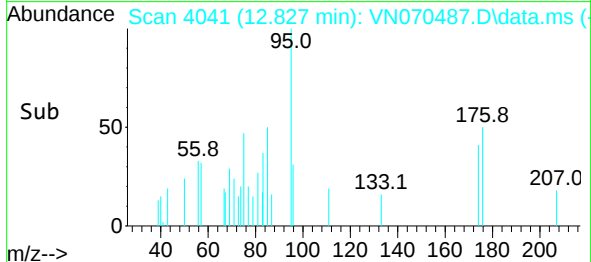
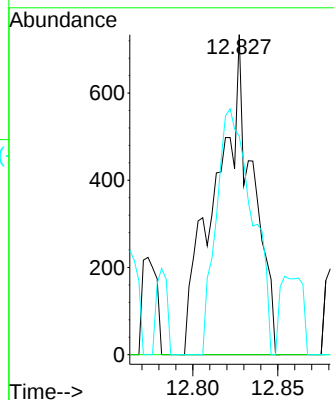
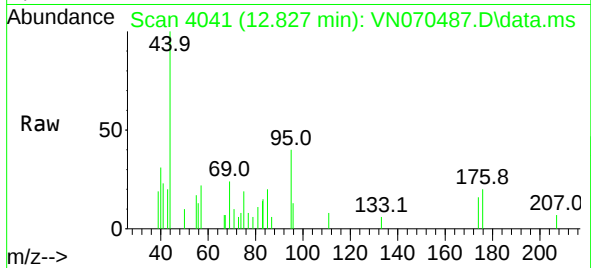




#75
1,1,2,2-Tetrachloroethane
Concen: 0.476 ug/l
RT: 12.827 min Scan# 4040
Delta R.T. 0.002 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

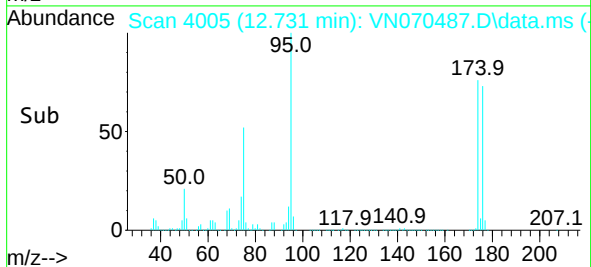
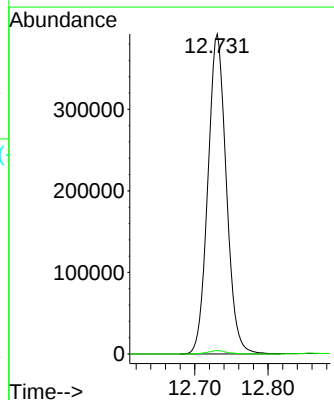
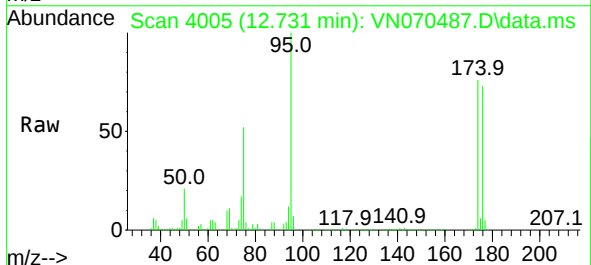
Instrument :
MSVOA_N
ClientSampleId :

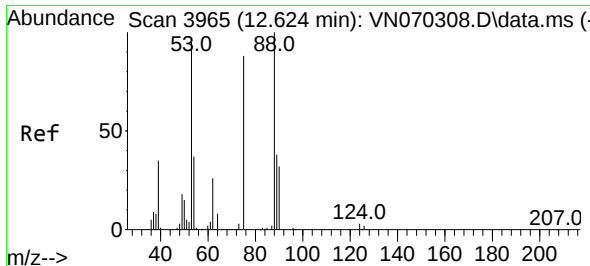
Tgt Ion: 83 Resp: 1103
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 75.2 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 22.566 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

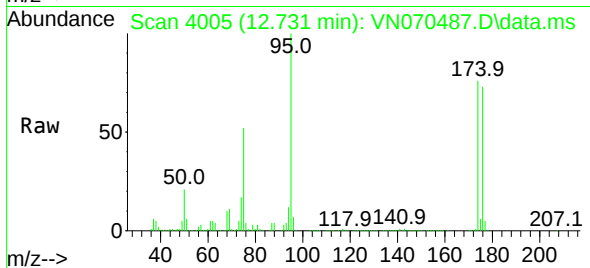
Tgt Ion: 75 Resp: 684308
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



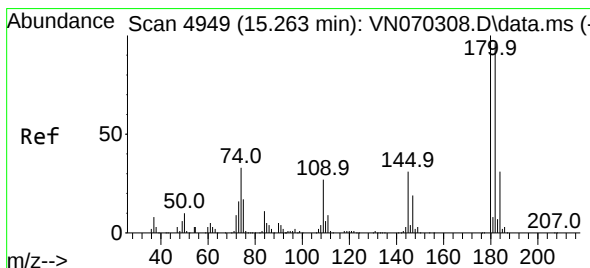
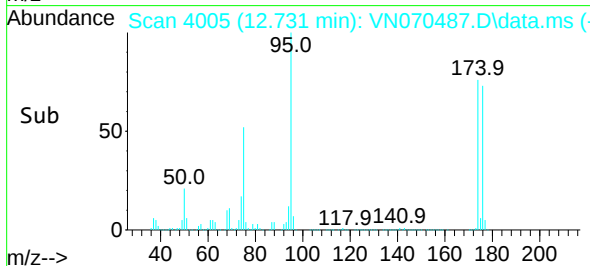
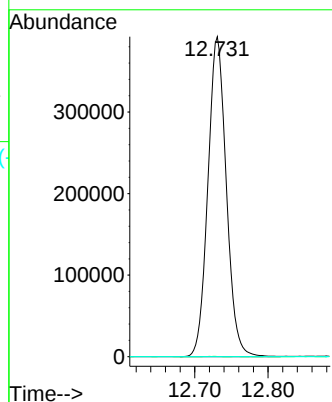


#81
trans-1,4-Dichloro-2-butene
Concen: 75.884 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Instrument :
MSVOA_N
ClientSampleId :

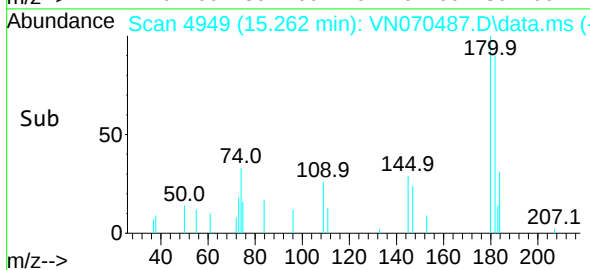
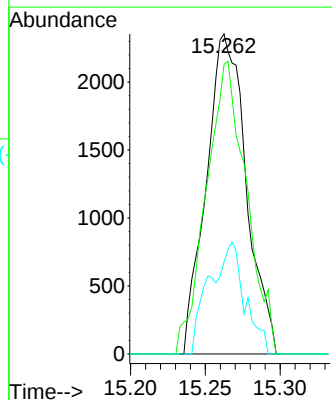
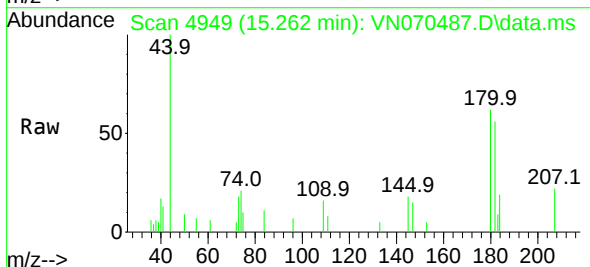


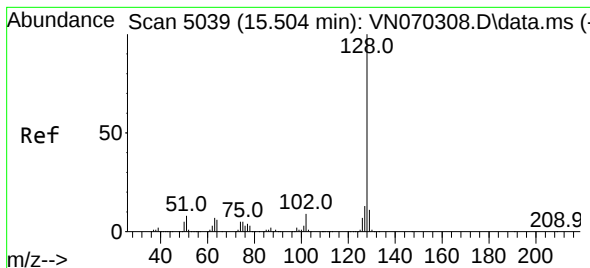
Tgt Ion: 75 Resp: 684308
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.241 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.001 min
Lab File: VN070487.D
Acq: 5 Jan 2022 14:15

Tgt Ion: 180 Resp: 4377
Ion Ratio Lower Upper
180 100
182 91.7 48.3 144.9
145 31.0 14.5 43.5





#95

Naphthalene

Concen: 2.215 ug/l

RT: 15.507 min Scan# 5039

Delta R.T. 0.003 min

Lab File: VN070487.D

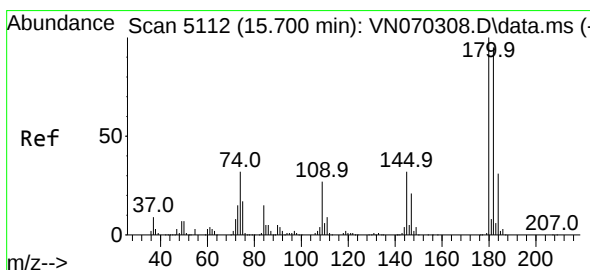
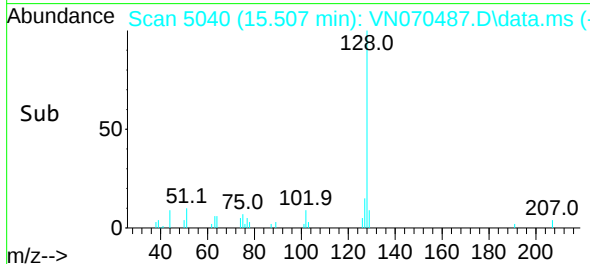
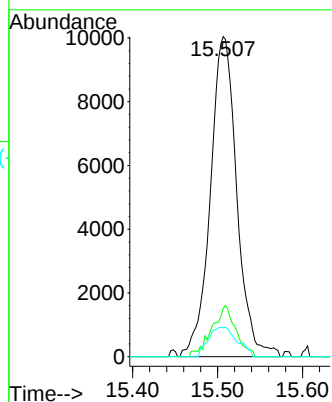
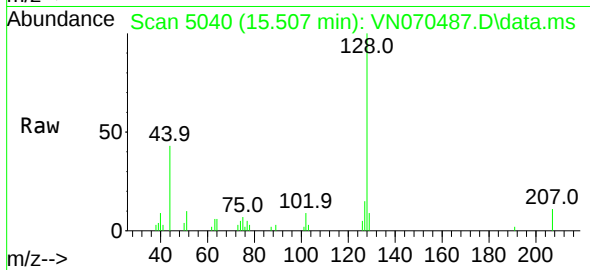
Acq: 5 Jan 2022 14:15

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	21752
Ion Ratio	Lower	Upper
128	100	
127	14.4	10.5 15.7
129	9.9	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.098 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.000 min

Lab File: VN070487.D

Acq: 5 Jan 2022 14:15

Tgt Ion:180	Resp:	4811
Ion Ratio	Lower	Upper
180	100	
182	91.8	47.4 142.2
145	27.9	15.0 45.1

