

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070588.D
 Acq On : 12 Jan 2022 16:01
 Operator : JC/MD
 Sample : N1097-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:27:06 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)

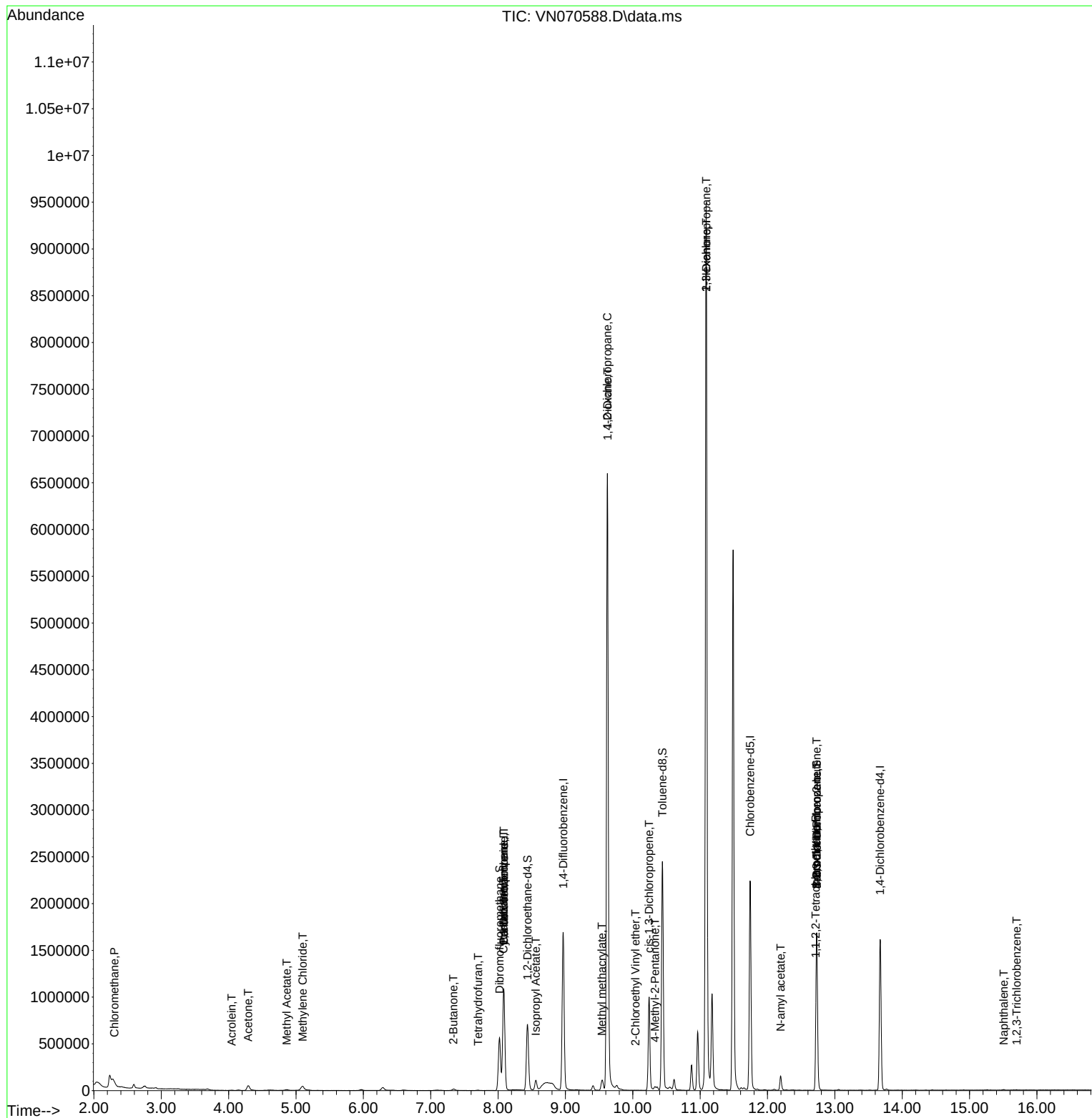
Internal Standards						
1) Pentafluorobenzene	8.086	168	847038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1459080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1303558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	463964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	590259	48.466	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.940%
35) Dibromofluoromethane	8.021	113	417043	47.240	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.480%
50) Toluene-d8	10.441	98	1695903	47.025	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.731	95	628459	48.248	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3370	0.258	ug/l	97
13) Acrolein	4.044	56	2470	1.501	ug/l #	50
16) Acetone	4.288	43	95688	12.103	ug/l	99
18) Methyl Acetate	4.865	43	18228	0.797	ug/l #	71
20) Methylene Chloride	5.101	84	31013	2.835	ug/l #	85
25) 2-Butanone	7.338	43	27748	2.787	ug/l #	88
29) Tetrahydrofuran	7.702	42	3282	0.553	ug/l #	45
31) Cyclohexane	8.078	56	18549	0.965	ug/l #	2
36) 1,1-Dichloropropene	8.083	75	67764	4.640	ug/l #	48
38) Carbon Tetrachloride	8.086	117	82358	5.906	ug/l #	16
43) Isopropyl Acetate	8.560	43	131027	4.390	ug/l #	86
45) 1,2-Dichloropropane	9.623	63	7416	0.615	ug/l #	44
48) Methyl methacrylate	9.542	41	33106	2.326	ug/l #	8
49) 1,4-Dioxane	9.625	88	878	4.213	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	24868	1.326	ug/l	92
54) cis-1,3-Dichloropropene	10.242	75	170284	9.769	ug/l #	61
57) 1,3-Dichloropropane	11.090	76	97091	5.119	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.041	63	210	18.556	ug/l #	45
59) 2-Hexanone	11.090	43	1628331	119.064	ug/l #	49
71) Bromoform	12.731	173	3367	0.459	ug/l #	1
74) N-amyl acetate	12.195	43	54711	3.020	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.718	83	432	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	323895	25.025	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	323895	85.292	ug/l #	5
95) Naphthalene	15.507	128	5518	2.049	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.700	180	993	0.960	ug/l #	83

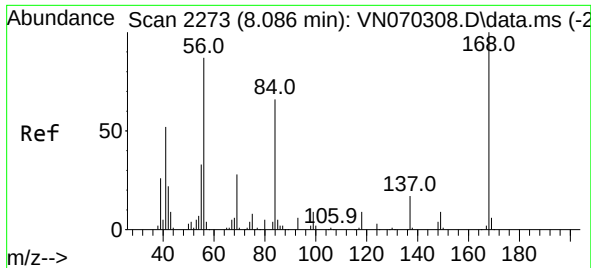
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
Data File : VN070588.D
Acq On : 12 Jan 2022 16:01
Operator : JC/MD
Sample : N1097-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 13 04:27:06 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

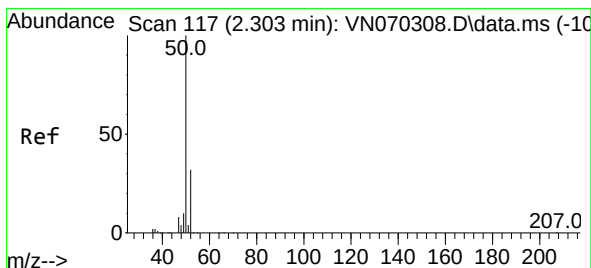
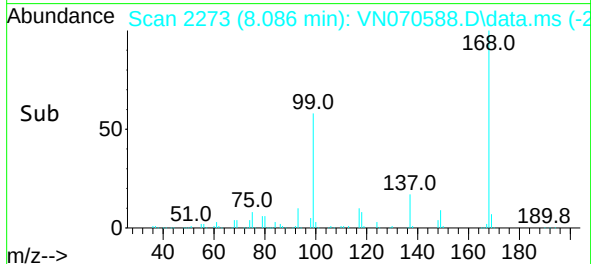
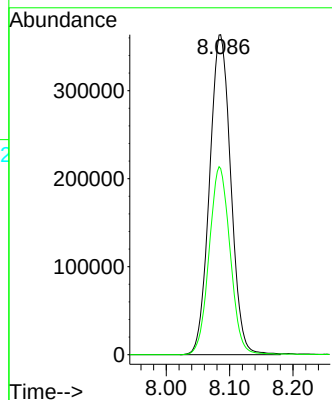
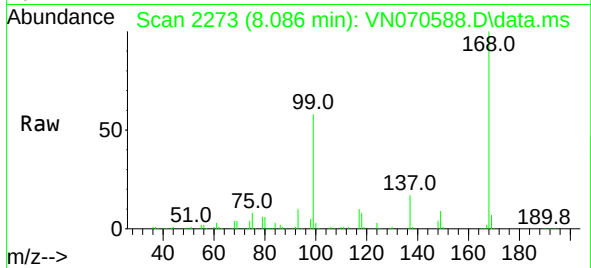




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

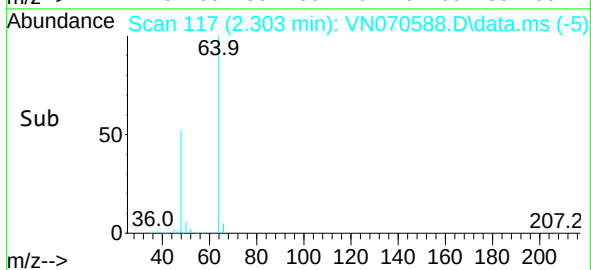
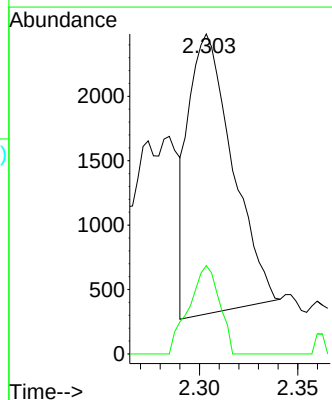
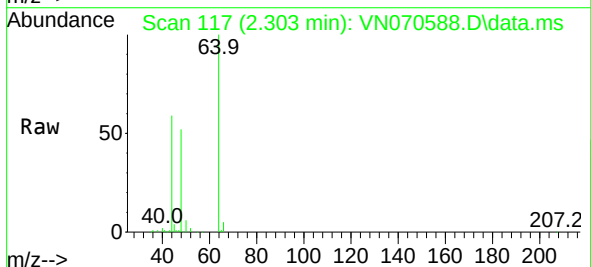
Instrument :
MSVOA_N
ClientSampleId :

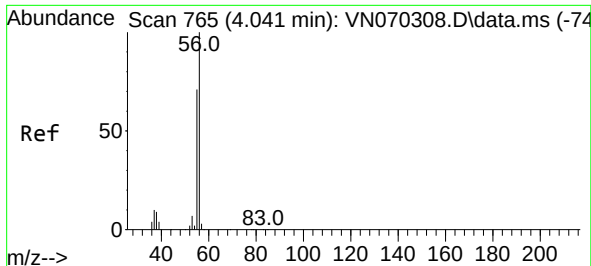
Tgt Ion:168 Resp: 847038
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

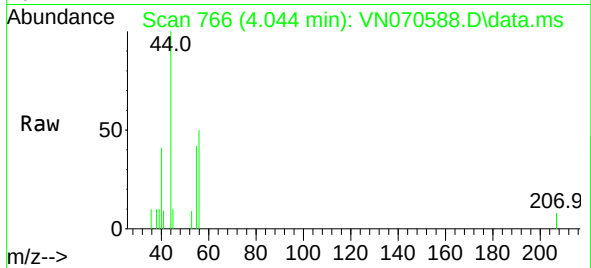
Tgt Ion: 50 Resp: 3370
Ion Ratio Lower Upper
50 100
52 33.3 25.4 38.0



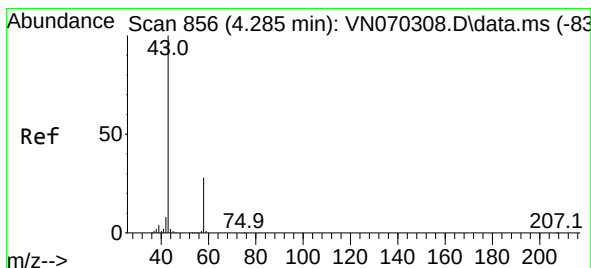
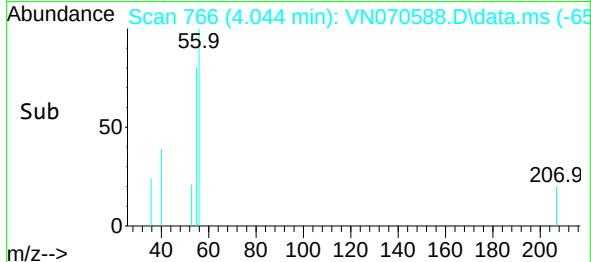
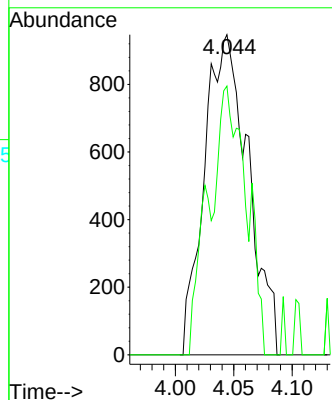


#13
Acrolein
Concen: 1.501 ug/l
RT: 4.044 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :

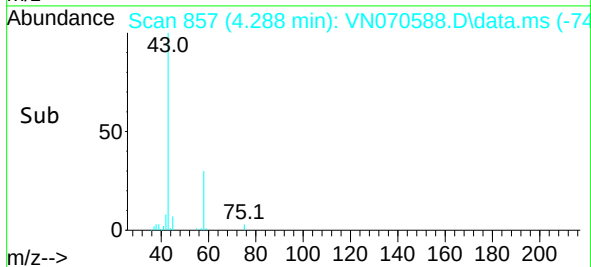
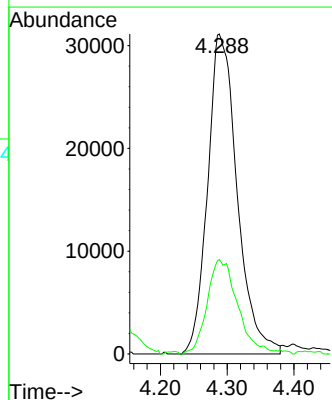
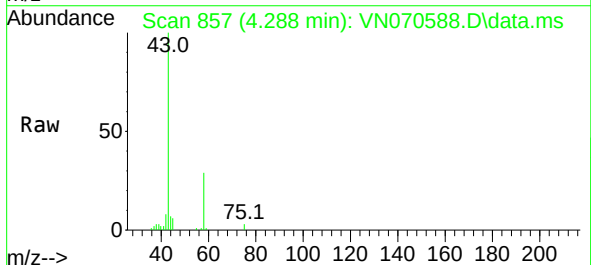


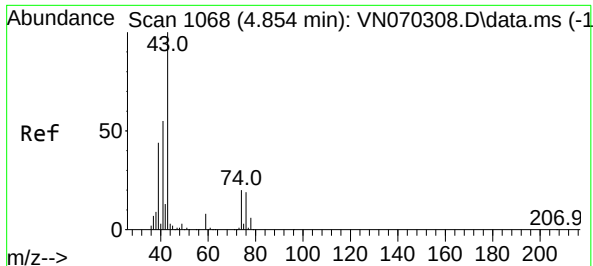
Tgt Ion: 56 Resp: 2470
Ion Ratio Lower Upper
56 100
55 29.2 56.6 85.0#



#16
Acetone
Concen: 12.103 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

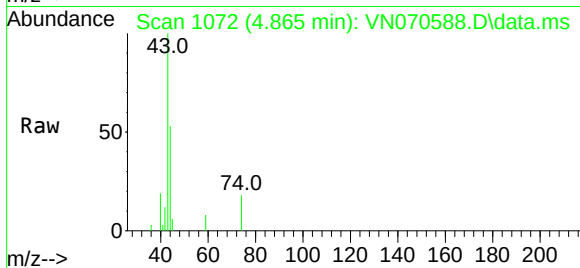
Tgt Ion: 43 Resp: 95688
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7



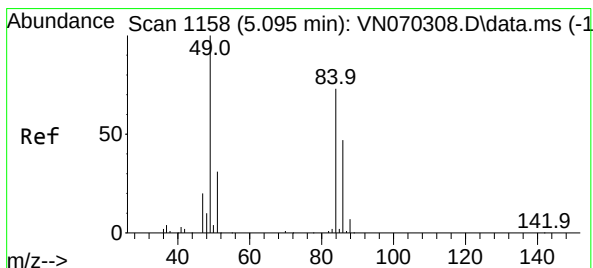
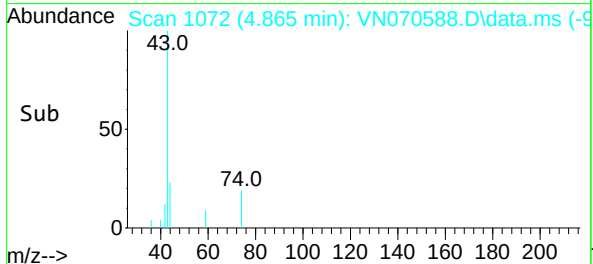
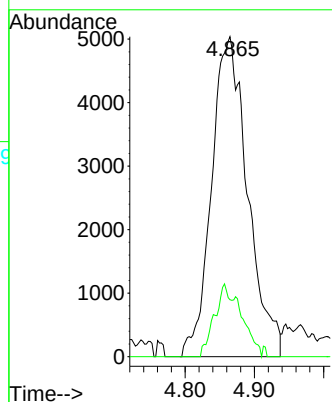


#18
Methyl Acetate
Concen: 0.797 ug/l
RT: 4.865 min Scan# 1160
Delta R.T. 0.011 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :

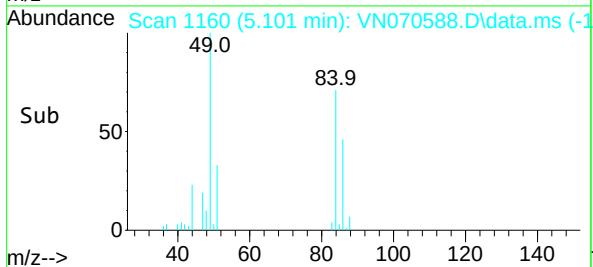
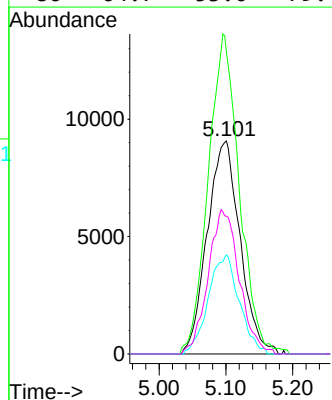
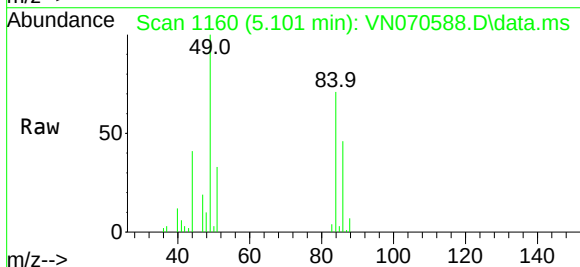


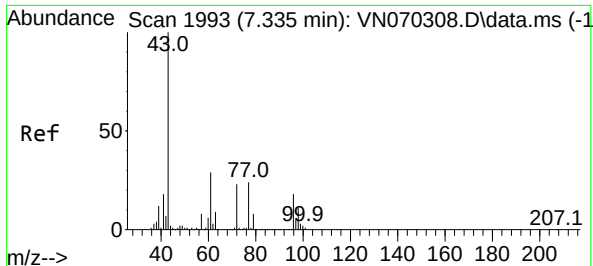
Tgt Ion: 43 Resp: 18228
Ion Ratio Lower Upper
43 100
74 10.1 19.4 29.2#



#20
Methylene Chloride
Concen: 2.835 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 84 Resp: 31013
Ion Ratio Lower Upper
84 100
49 141.7 93.5 140.3#
51 46.5 29.4 44.2#
86 64.7 53.0 79.4





#25

2-Butanone

Concen: 2.787 ug/l

RT: 7.338 min Scan# 1993

Delta R.T. 0.003 min

Lab File: VN070588.D

Acq: 12 Jan 2022 16:01

Instrument :

MSVOA_N

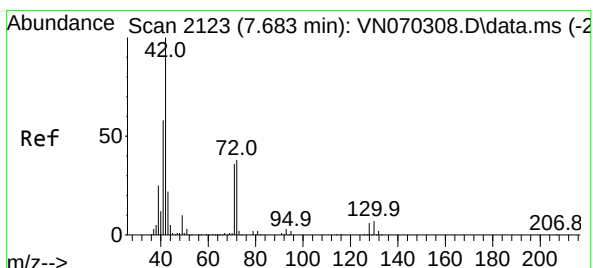
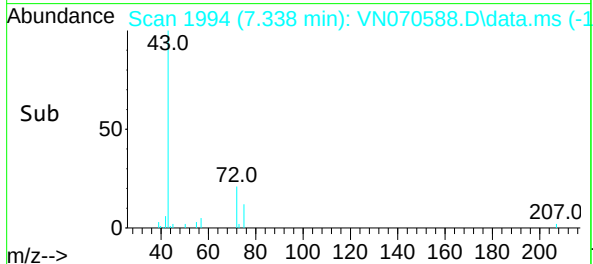
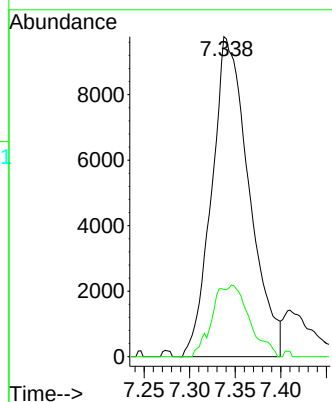
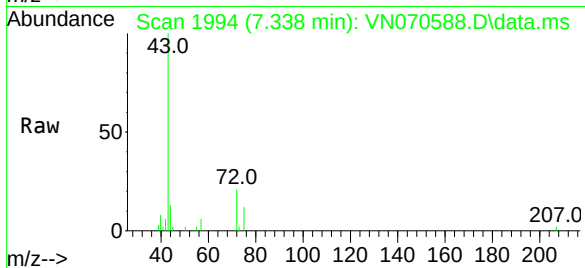
ClientSampleId :

Tgt Ion: 43 Resp: 27748

Ion Ratio Lower Upper

43 100

72 21.0 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.553 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.019 min

Lab File: VN070588.D

Acq: 12 Jan 2022 16:01

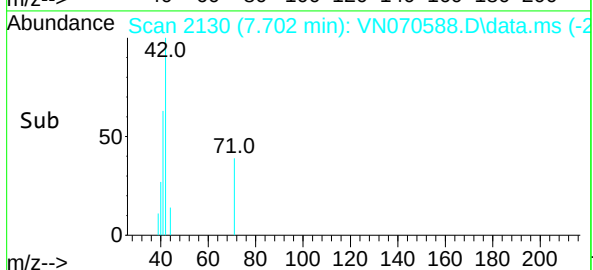
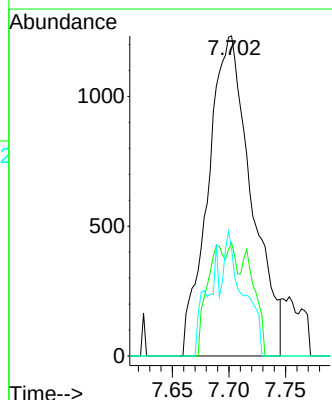
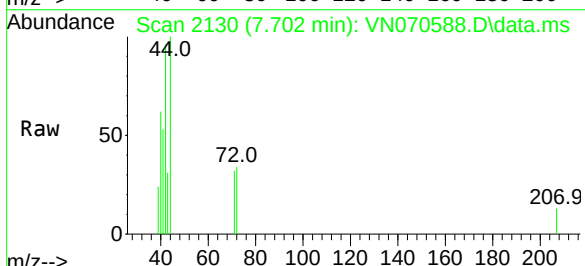
Tgt Ion: 42 Resp: 3282

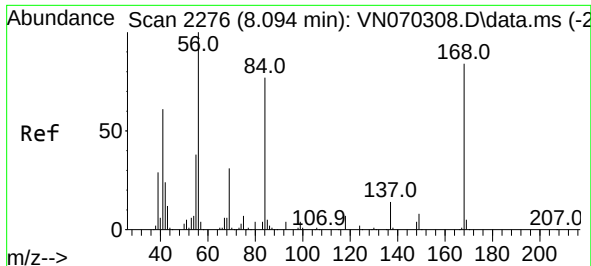
Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

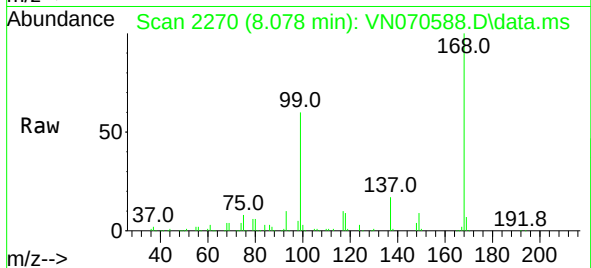
71 17.8 34.7 52.1#



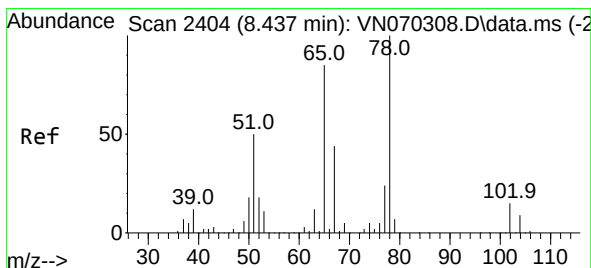
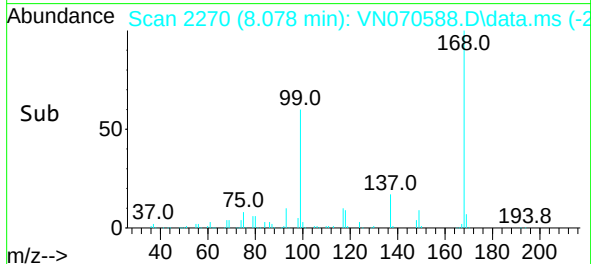
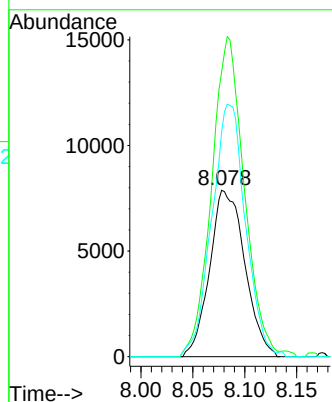


#31
Cyclohexane
Concen: 0.965 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :

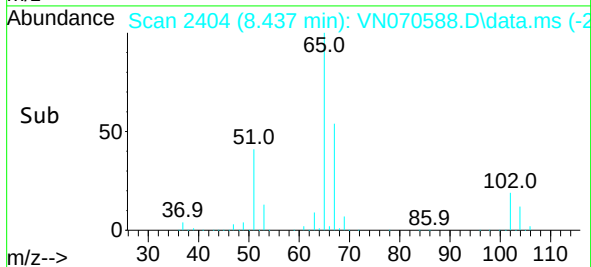
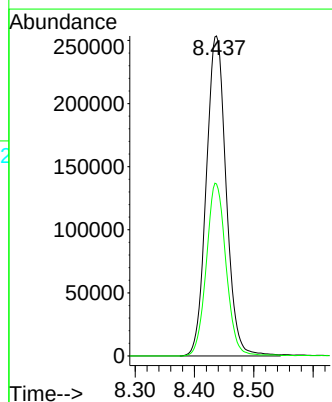
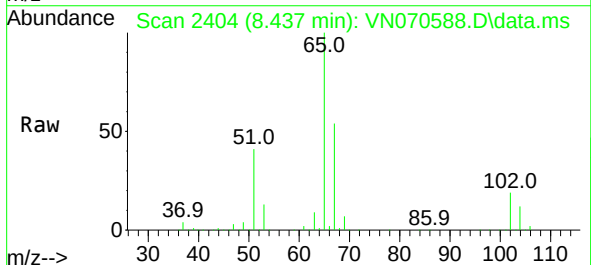


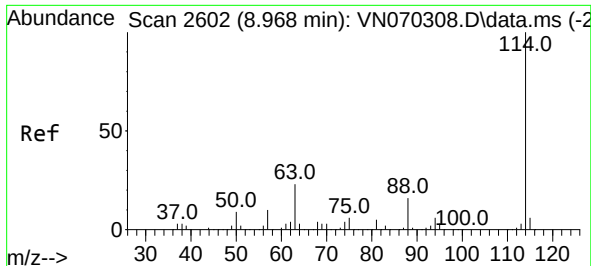
Tgt Ion: 56 Resp: 18549
Ion Ratio Lower Upper
56 100
69 171.1 27.1 40.7#
84 135.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.466 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 65 Resp: 590259
Ion Ratio Lower Upper
65 100
67 53.2 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: VN070588.D

Acq: 12 Jan 2022 16:01

Instrument :

MSVOA_N

ClientSampleId :

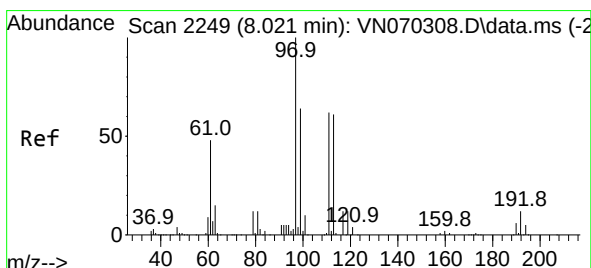
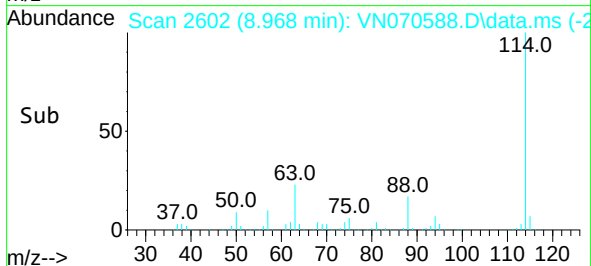
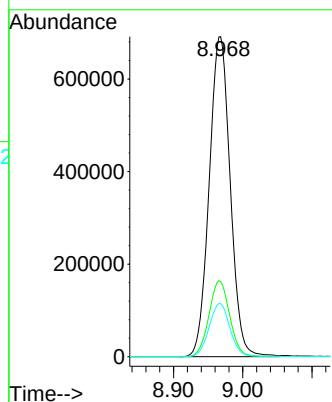
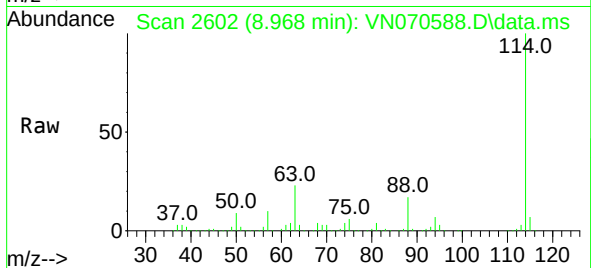
Tgt Ion:114 Resp: 1459080

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.240 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070588.D

Acq: 12 Jan 2022 16:01

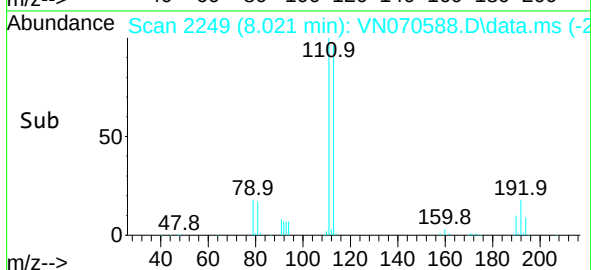
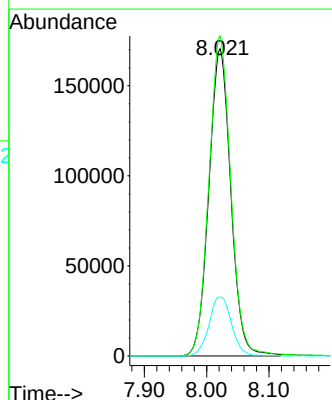
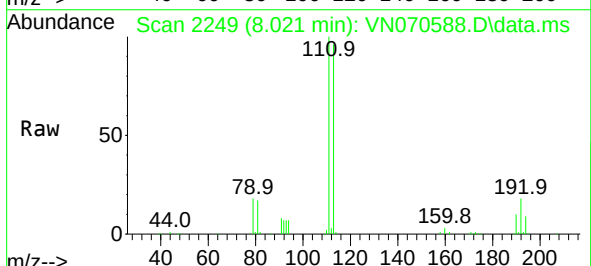
Tgt Ion:113 Resp: 417043

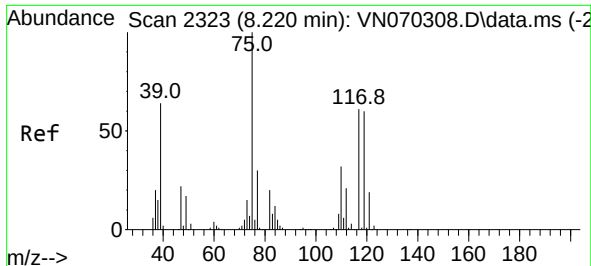
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.2

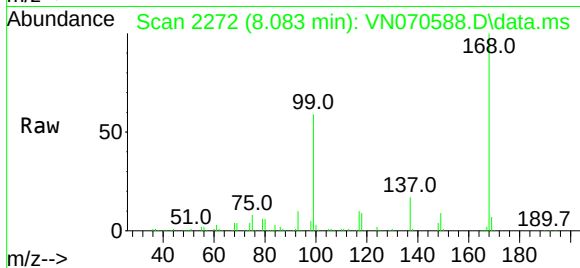
192 19.7 16.9 25.3



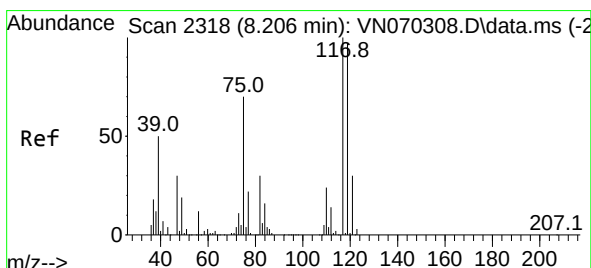
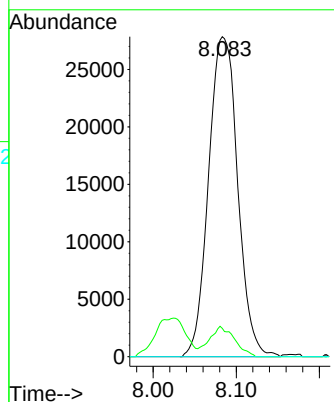
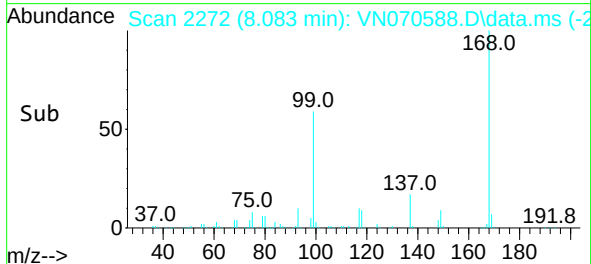


#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

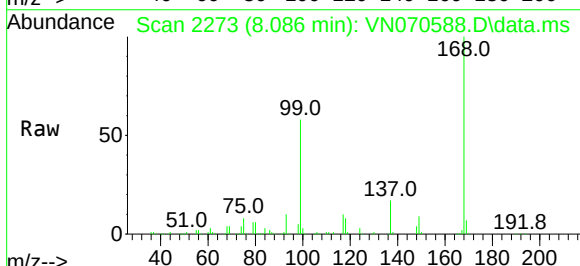
Instrument :
MSVOA_N
ClientSampleId :



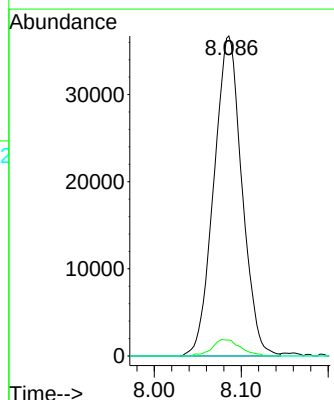
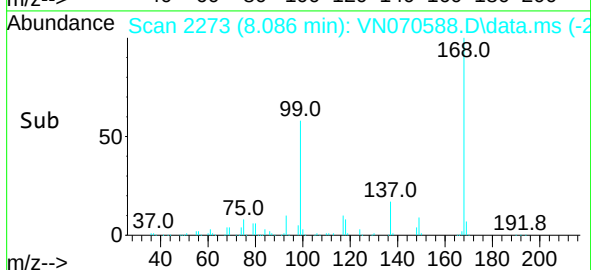
Tgt Ion: 75 Resp: 67764
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#

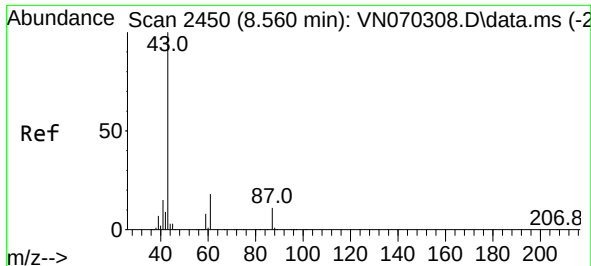


#38
Carbon Tetrachloride
Concen: 5.906 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01



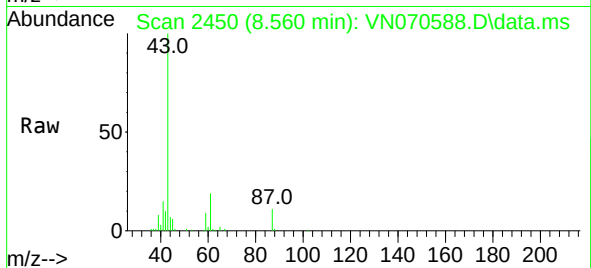
Tgt Ion: 117 Resp: 82358
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



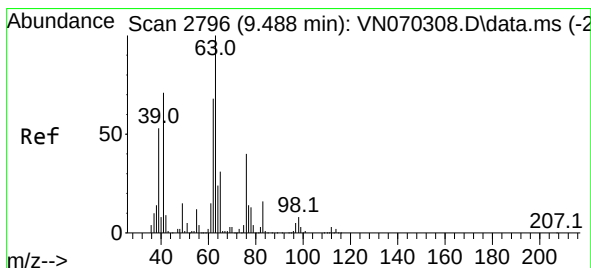
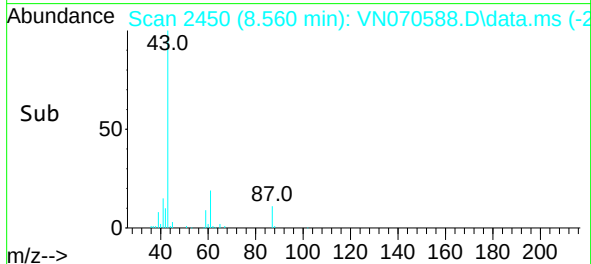
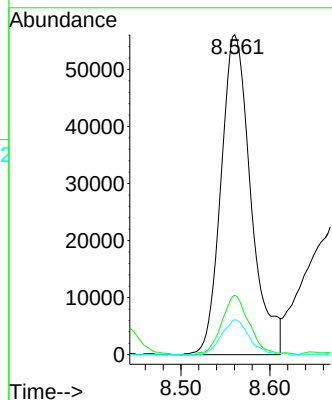


#43
Isopropyl Acetate
Concen: 4.390 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :

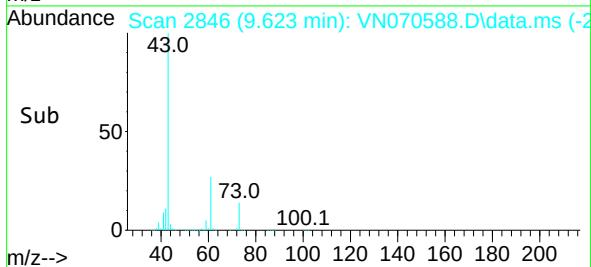
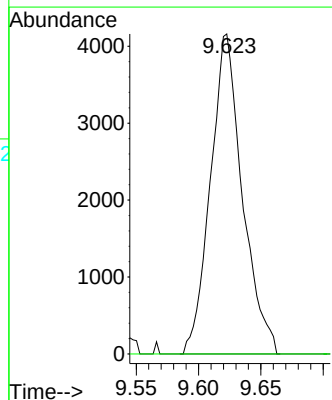
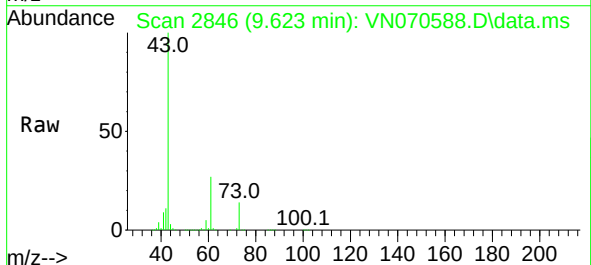


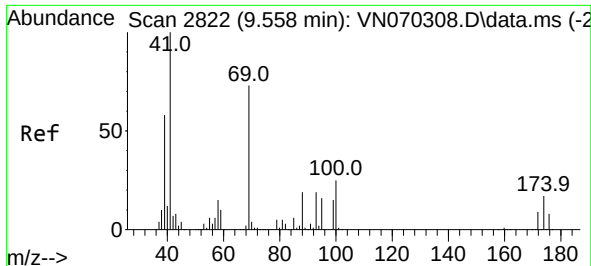
Tgt Ion: 43 Resp: 131027
Ion Ratio Lower Upper
43 100
61 17.0 20.4 30.6#
87 10.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.615 ug/l
RT: 9.623 min Scan# 2846
Delta R.T. 0.135 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 63 Resp: 7416
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

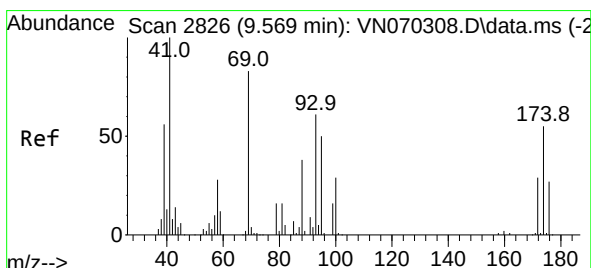
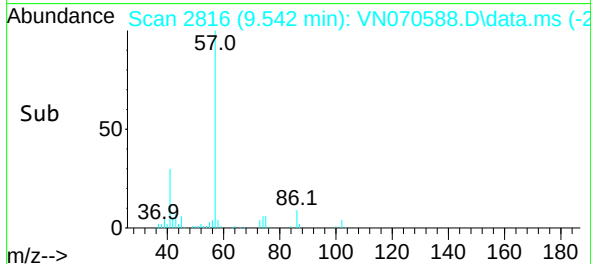
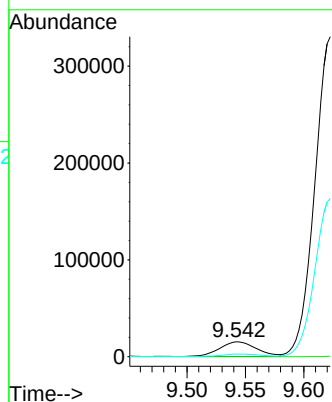
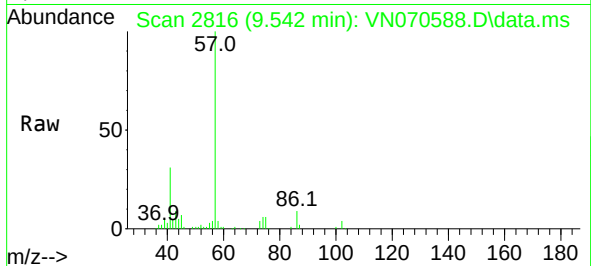




#48
Methyl methacrylate
Concen: 2.326 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.016 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

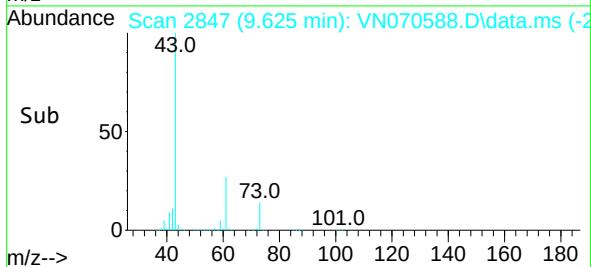
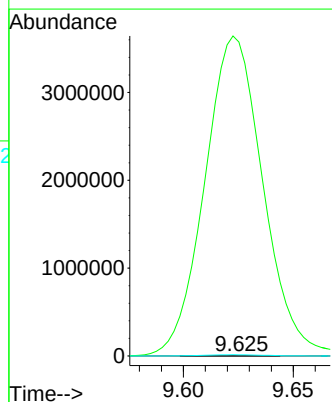
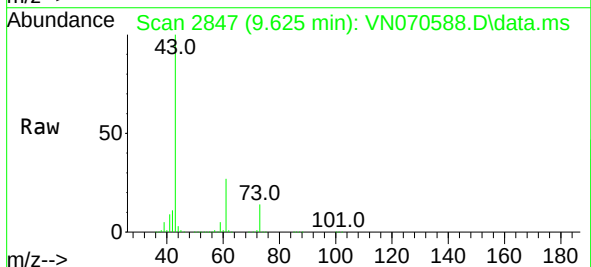
Instrument :
MSVOA_N
ClientSampleId :

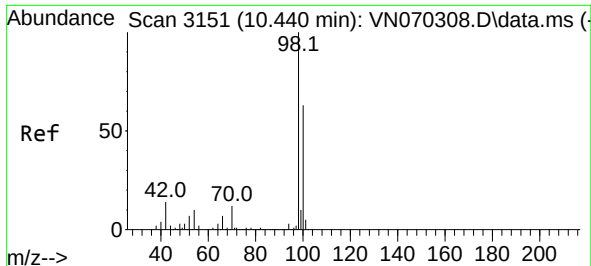
Tgt Ion: 41 Resp: 33106
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 4.213 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 88 Resp: 878
Ion Ratio Lower Upper
88 100
43 778584.3 23.4 35.2#
58 2922.0 50.6 75.8#

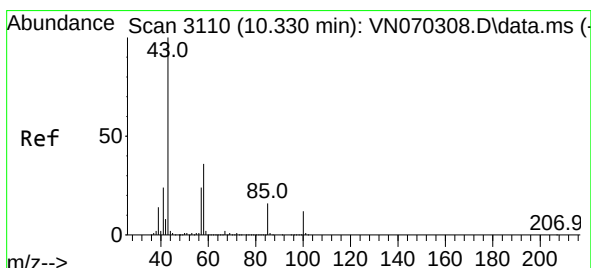
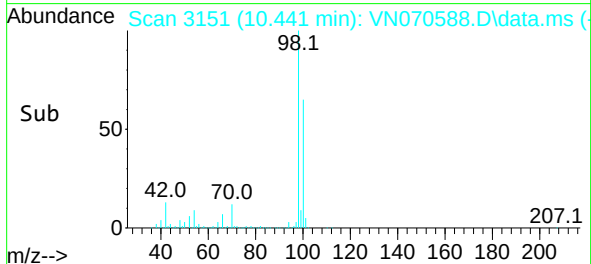
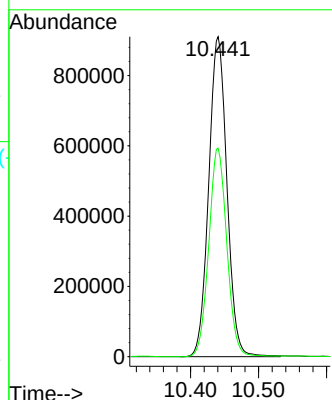
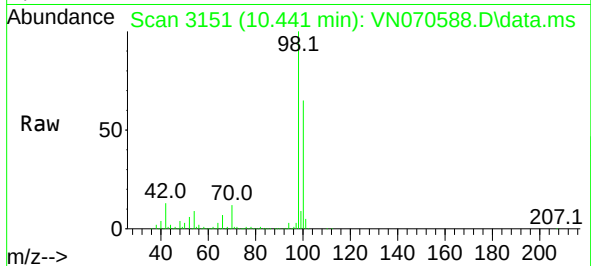




#50
Toluene-d8
Concen: 47.025 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

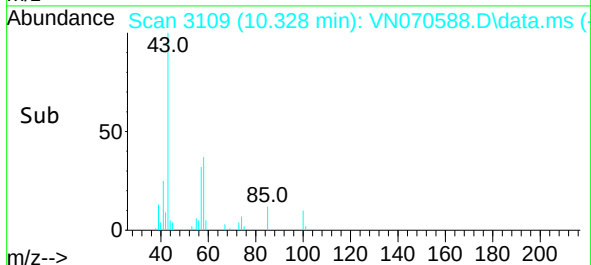
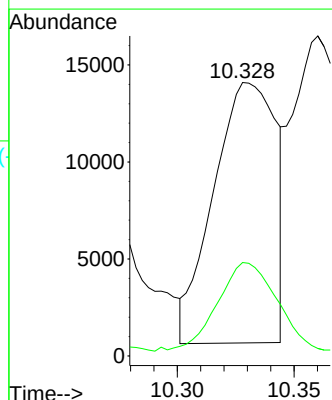
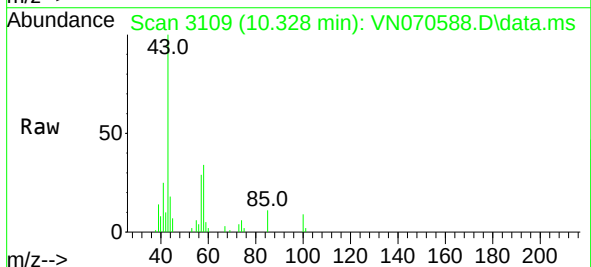
Instrument :
MSVOA_N
ClientSampleId :

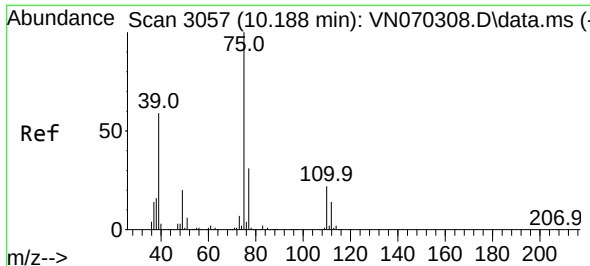
Tgt Ion: 98 Resp: 1695903
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.326 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 43 Resp: 24868
Ion Ratio Lower Upper
43 100
58 33.4 30.4 45.6

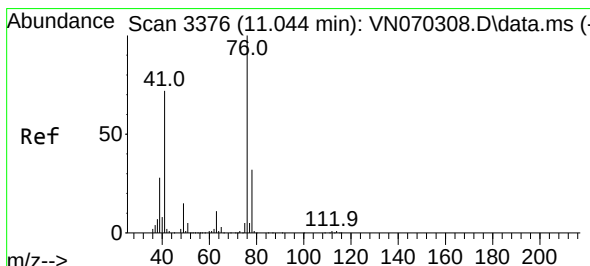
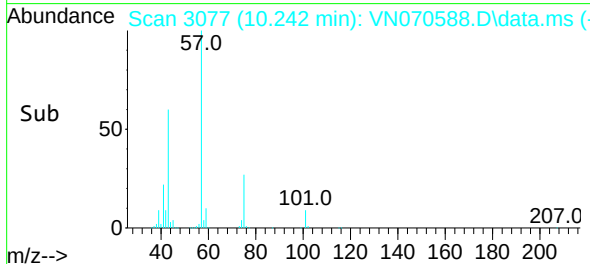
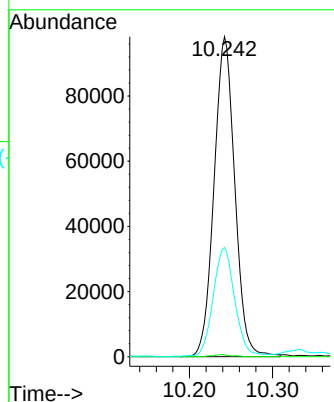
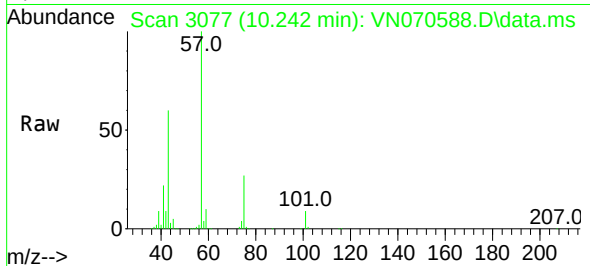




#54
 cis-1,3-Dichloropropene
 Concen: 9.769 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070588.D
 Acq: 12 Jan 2022 16:01

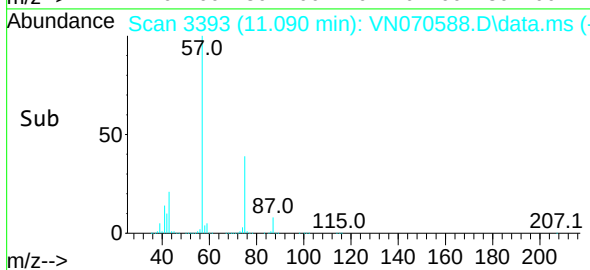
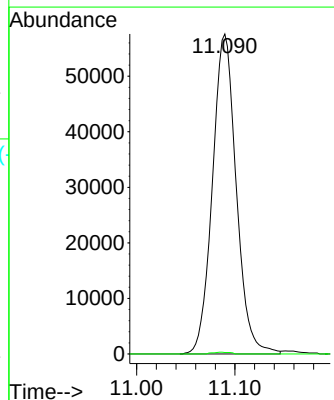
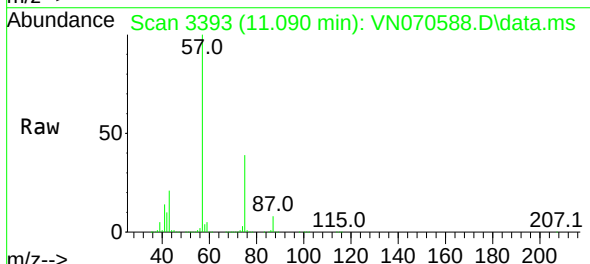
Instrument :
 MSVOA_N
 ClientSampleId :

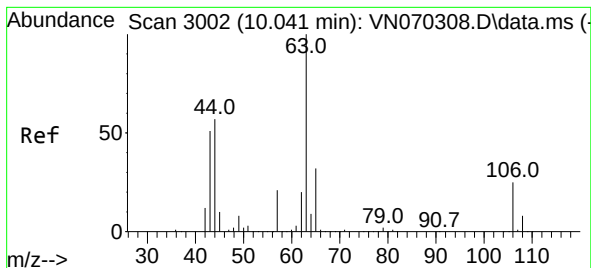
Tgt Ion: 75 Resp: 170284
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 34.0 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 5.119 ug/l
 RT: 11.090 min Scan# 3393
 Delta R.T. 0.046 min
 Lab File: VN070588.D
 Acq: 12 Jan 2022 16:01

Tgt Ion: 76 Resp: 97091
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

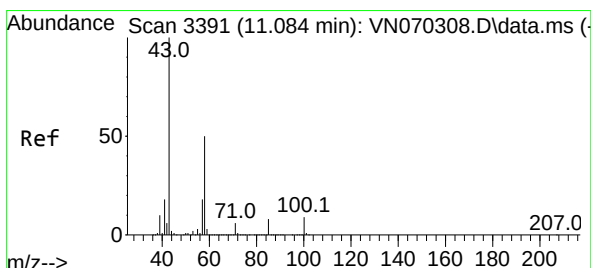
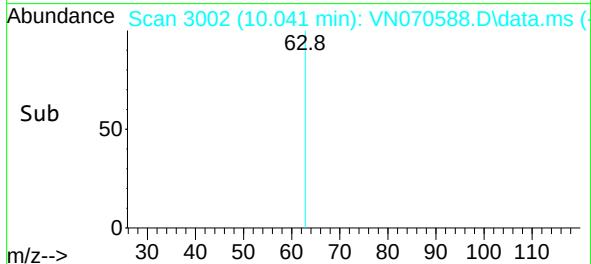
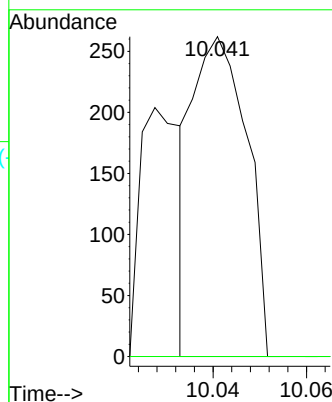
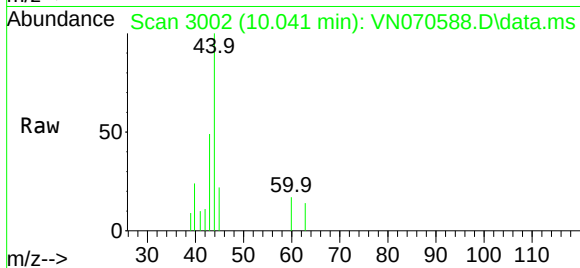




#58
2-Chloroethyl Vinyl ether
Concen: 18.556 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.000 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

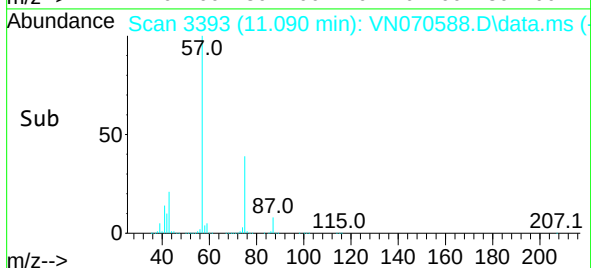
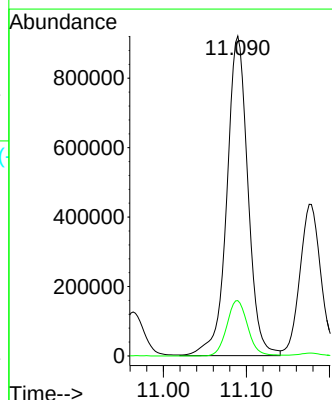
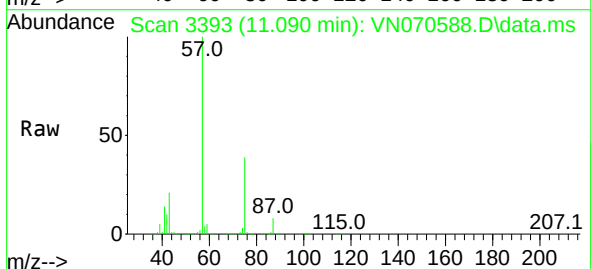
Instrument :
MSVOA_N
ClientSampleId :

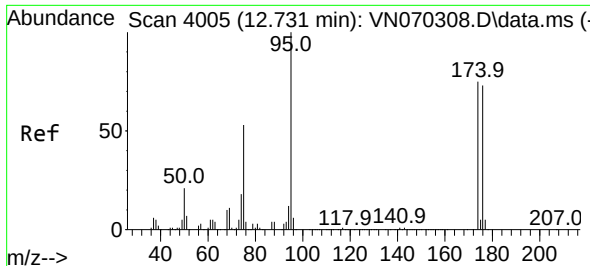
Tgt Ion: 63 Resp: 210
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 119.064 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.006 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 43 Resp: 1628331
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#

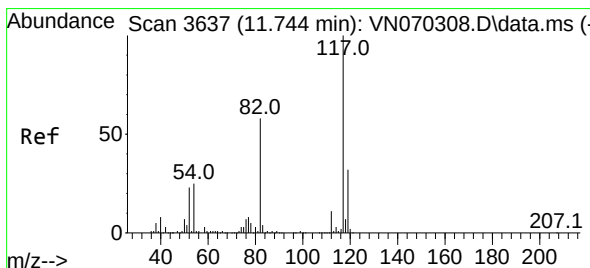
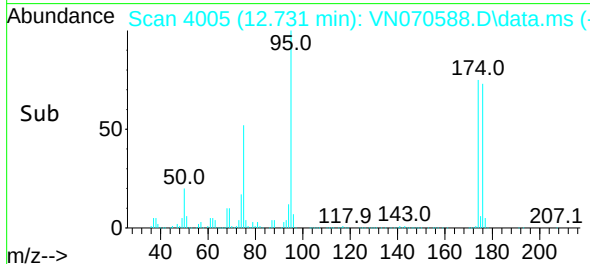
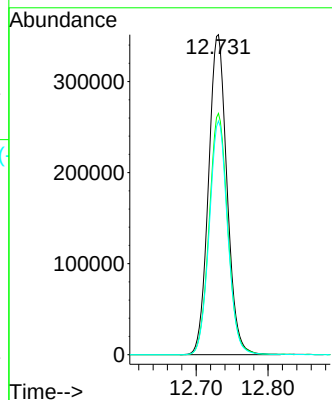
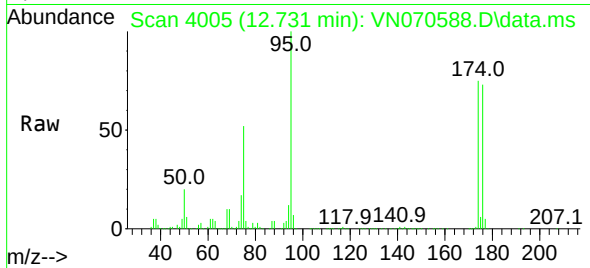




#62
4-Bromofluorobenzene
Concen: 48.248 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

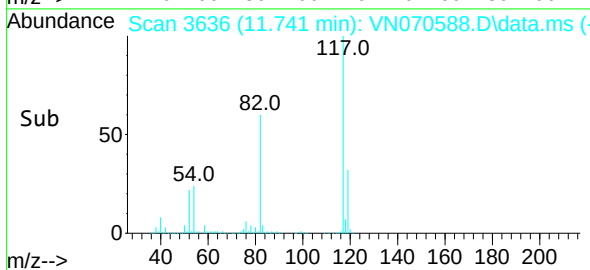
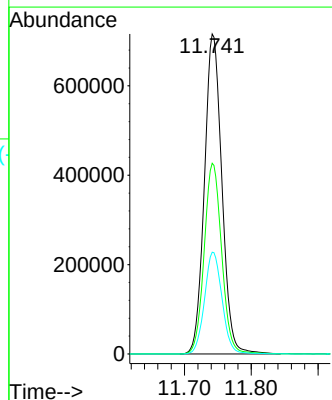
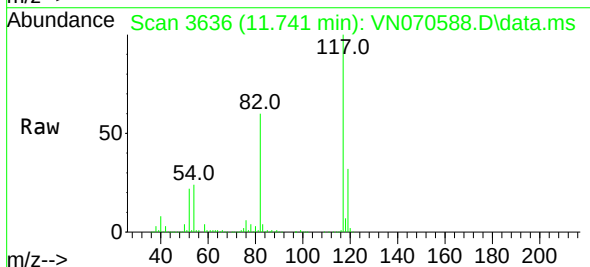
Instrument :
MSVOA_N
ClientSampleId :

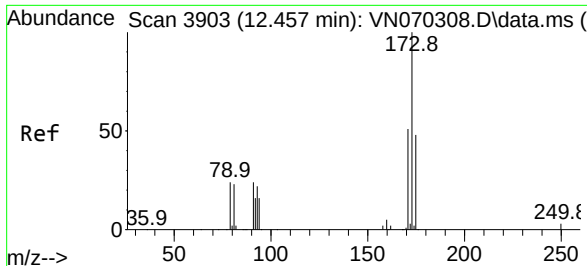
Tgt Ion: 95 Resp: 628459
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. -0.003 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 117 Resp: 1303558
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.8 25.4 38.2

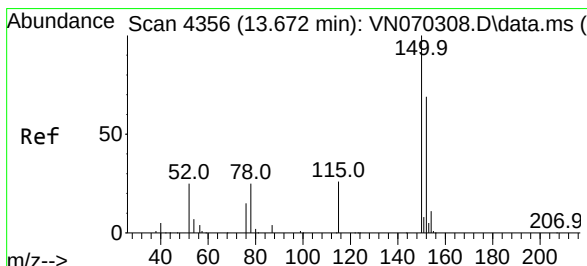
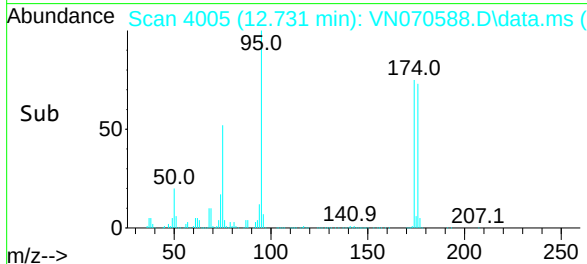
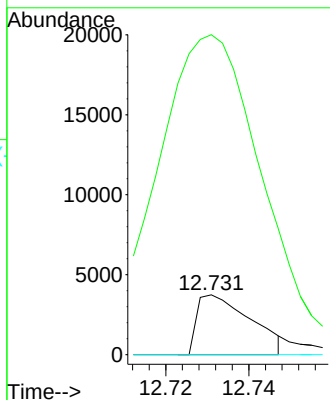
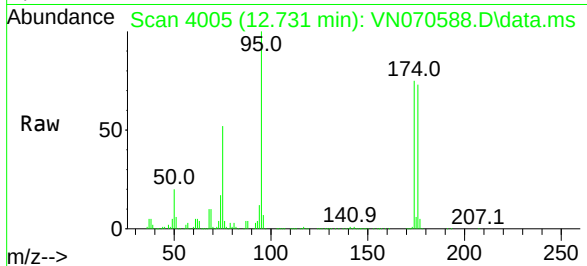




#71
Bromoform
Concen: 0.459 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

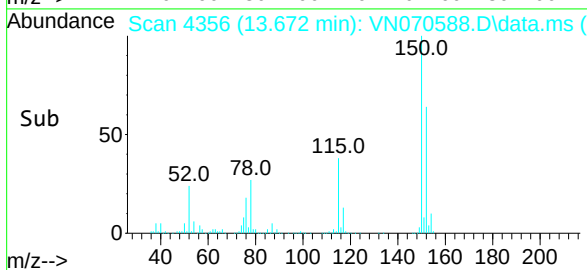
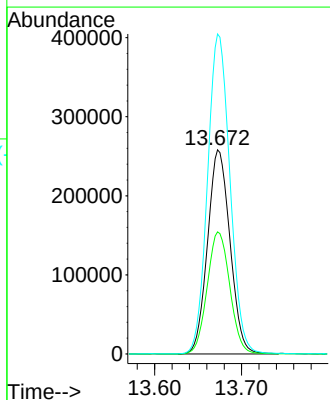
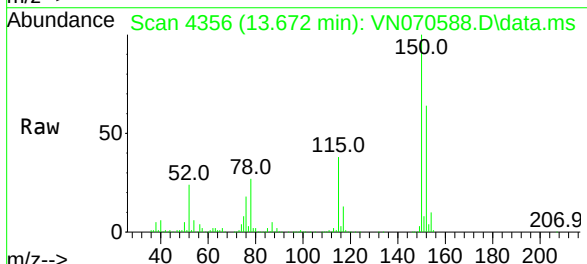
Instrument :
MSVOA_N
ClientSampleId :

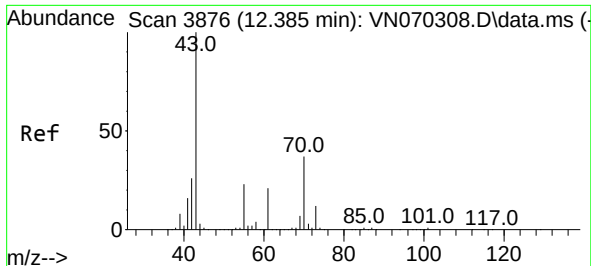
Tgt Ion:173 Resp: 3367
Ion Ratio Lower Upper
173 100
175 999.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

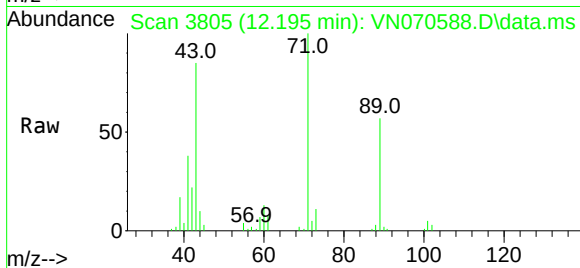
Tgt Ion:152 Resp: 463964
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 156.1 0.0 344.4



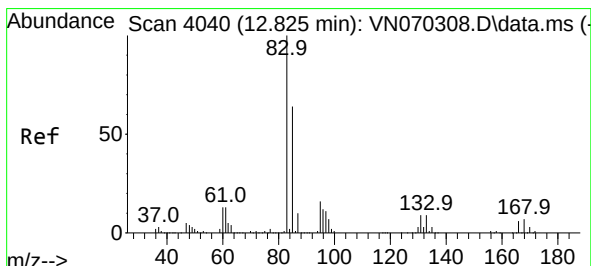
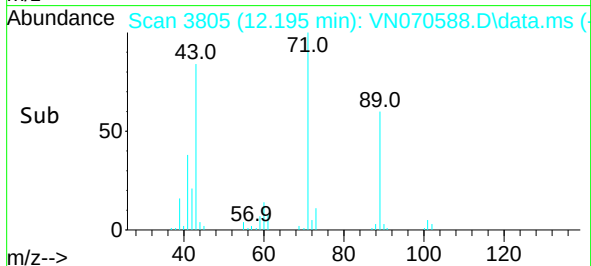
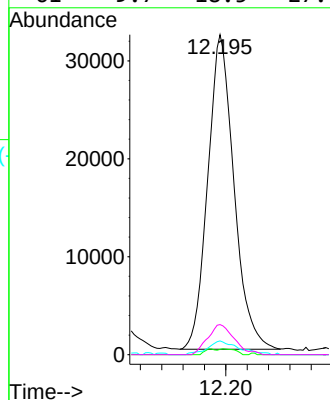


#74
N-amy1 acetate
Concen: 3.020 ug/l
RT: 12.195 min Scan# 3876
Delta R.T. -0.190 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :

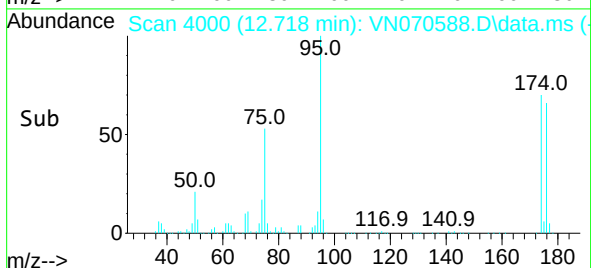
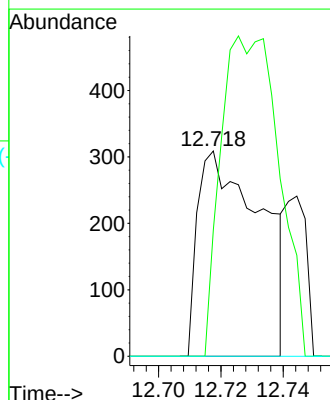
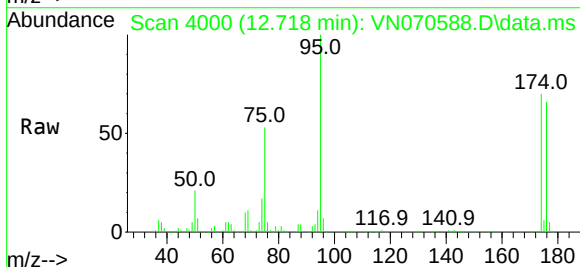


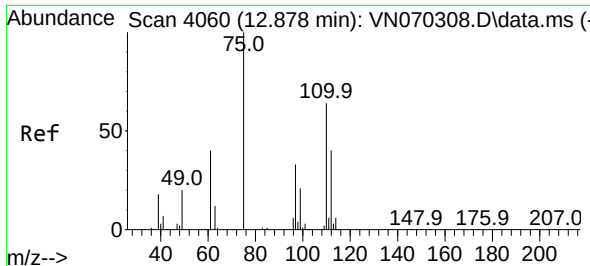
Tgt Ion: 43	Resp: 54711
Ion Ratio	Lower Upper
43	100
70	1.1 33.4 50.0#
55	5.2 19.3 28.9#
61	9.7 18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.474 ug/l
RT: 12.718 min Scan# 4000
Delta R.T. -0.107 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 83	Resp: 432
Ion Ratio	Lower Upper
83	100
131	144.4 5.5 16.5#
85	0.0 32.4 97.2#

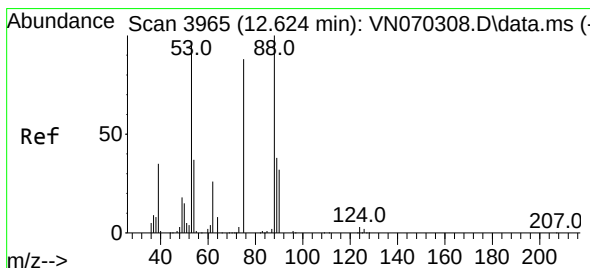
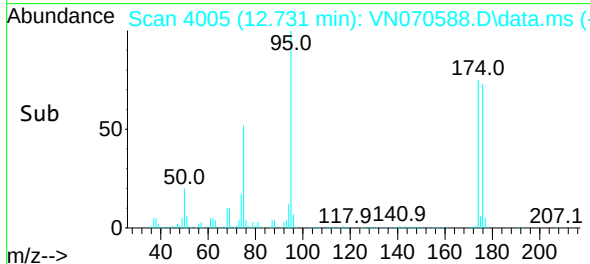
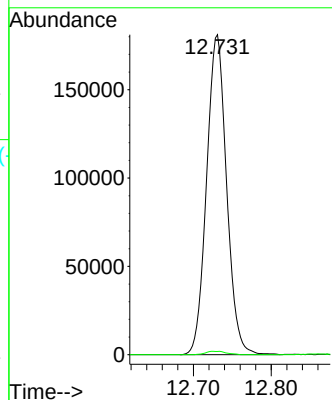
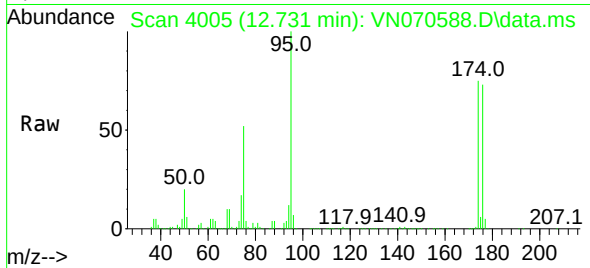




#76
1,2,3-Trichloropropane
Concen: 25.025 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

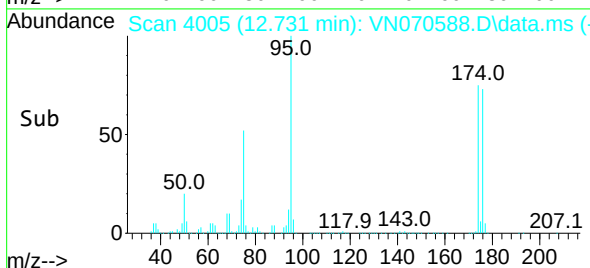
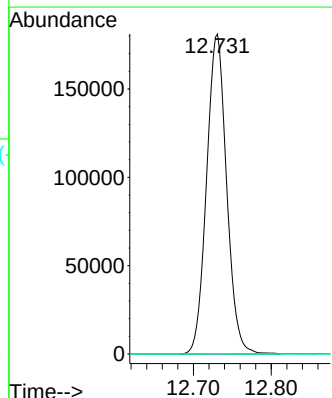
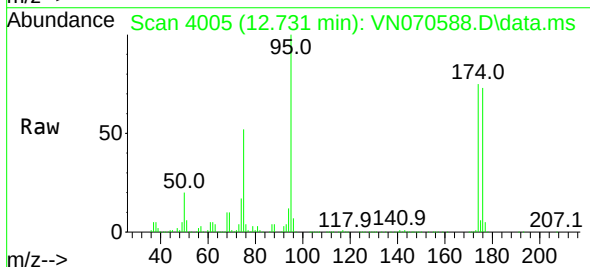
Instrument :
MSVOA_N
ClientSampleId :

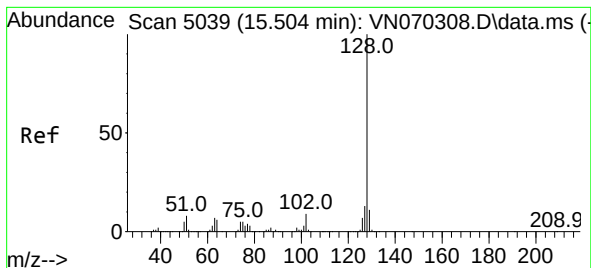
Tgt Ion: 75 Resp: 323895
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.292 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070588.D
Acq: 12 Jan 2022 16:01

Tgt Ion: 75 Resp: 323895
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 2.049 ug/l

RT: 15.507 min Scan# 5039

Delta R.T. 0.003 min

Lab File: VN070588.D

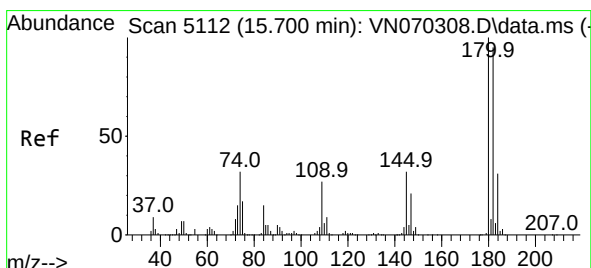
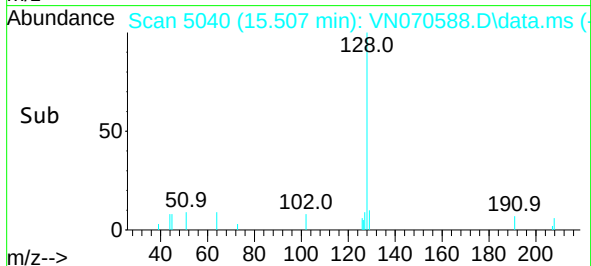
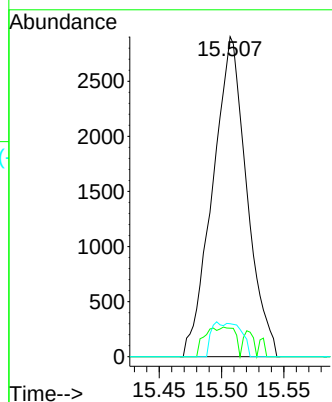
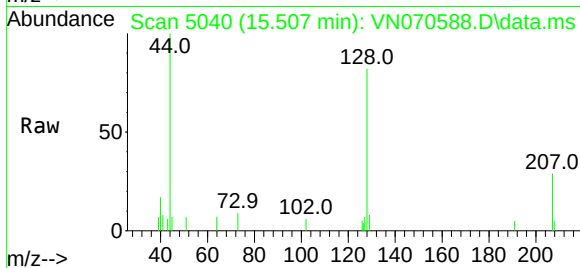
Acq: 12 Jan 2022 16:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	5518
Ion Ratio	Lower	Upper	
128	100		
127	2.3	10.5	15.7#
129	0.0	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.960 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.000 min

Lab File: VN070588.D

Acq: 12 Jan 2022 16:01

Tgt Ion:	180	Resp:	993
Ion Ratio	Lower	Upper	
180	100		
182	106.4	47.4	142.2
145	11.8	15.0	45.1#

