

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070587.D
 Acq On : 12 Jan 2022 15:35
 Operator : JC/MD
 Sample : N1097-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:26:56 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)

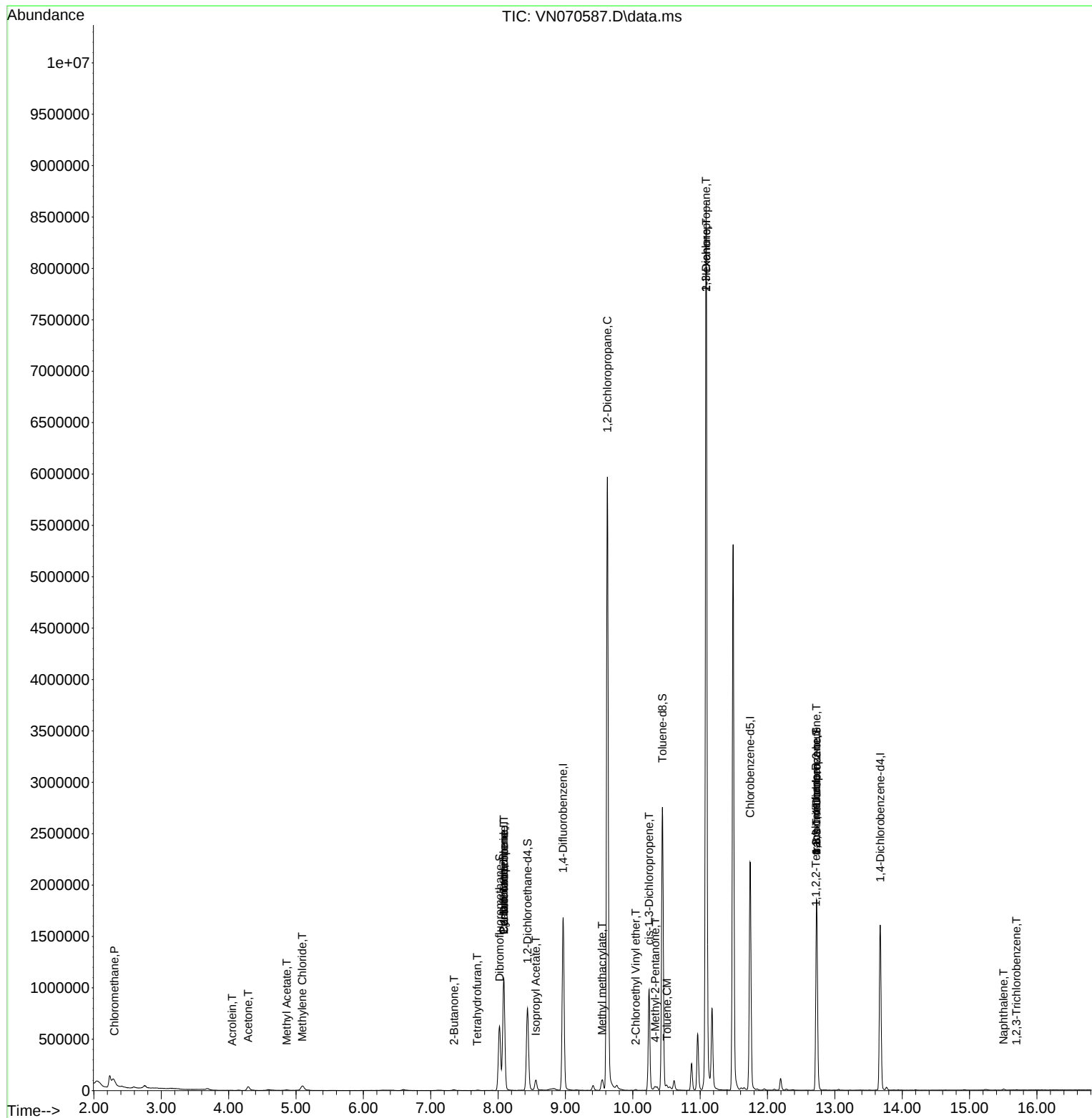
Internal Standards						
1) Pentafluorobenzene	8.086	168	838710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1444900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1291004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	456025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	666129	55.239	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.480%	
35) Dibromofluoromethane	8.021	113	472045	53.995	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.000%	
50) Toluene-d8	10.440	98	1922996	53.845	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.728	95	706142	54.744	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 109.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3078	0.238	ug/l	100
13) Acrolein	4.052	56	550	0.338	ug/l #	14
16) Acetone	4.288	43	66371	8.478	ug/l	96
18) Methyl Acetate	4.862	43	10836	0.479	ug/l #	57
20) Methylene Chloride	5.093	84	32337	2.986	ug/l	89
25) 2-Butanone	7.348	43	14507	1.472	ug/l	90
29) Tetrahydrofuran	7.691	42	1537	0.261	ug/l #	81
31) Cyclohexane	8.083	56	18481	0.971	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	66875	4.624	ug/l #	48
38) Carbon Tetrachloride	8.086	117	82290	5.959	ug/l #	17
43) Isopropyl Acetate	8.560	43	120129	4.065	ug/l #	84
45) 1,2-Dichloropropane	9.622	63	6970	0.584	ug/l #	44
48) Methyl methacrylate	9.545	41	31398	2.227	ug/l #	8
51) 4-Methyl-2-Pentanone	10.333	43	19062	1.026	ug/l	88
52) Toluene	10.507	92	16434	0.612	ug/l	96
54) cis-1,3-Dichloropropene	10.242	75	166609	9.652	ug/l #	62
57) 1,3-Dichloropropane	11.087	76	86447	4.603	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.044	63	3291	19.193	ug/l #	72
59) 2-Hexanone	11.089	43	1483714	109.554	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.720	83	316	0.467	ug/l #	1
76) 1,2,3-Trichloropropane	12.728	75	360076	27.947	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	360076	96.470	ug/l #	5
95) Naphthalene	15.504	128	8889	2.209	ug/l	97
96) 1,2,3-Trichlorobenzene	15.697	180	1089	0.975	ug/l	79

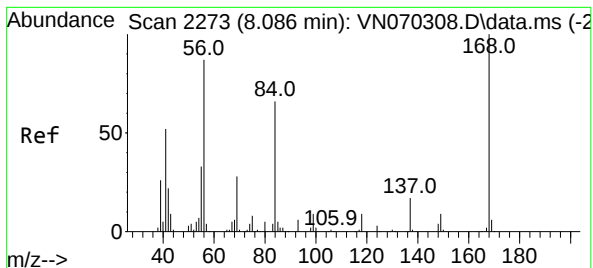
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
Data File : VN070587.D
Acq On : 12 Jan 2022 15:35
Operator : JC/MD
Sample : N1097-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 13 04:26:56 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: VN070587.D

Acq: 12 Jan 2022 15:35

Instrument :

MSVOA_N

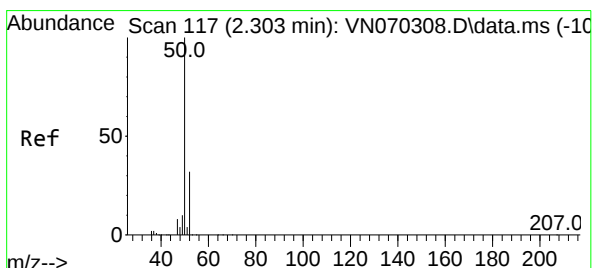
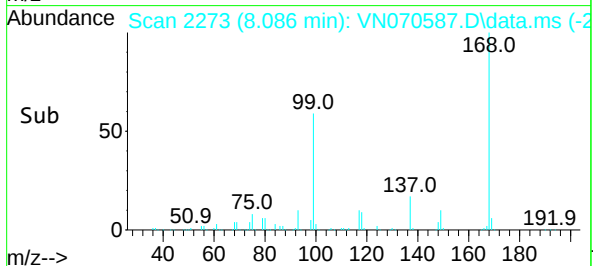
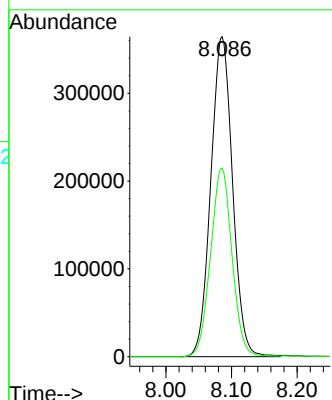
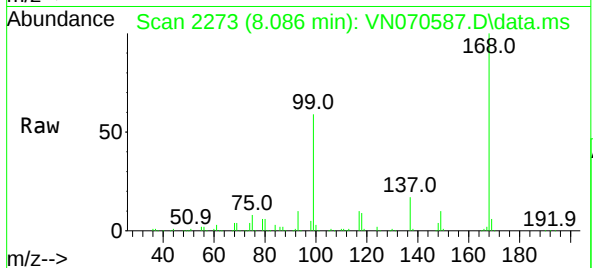
ClientSampleId :

Tgt Ion:168 Resp: 838710

Ion Ratio Lower Upper

168 100

99 58.9 41.3 61.9



#3

Chloromethane

Concen: 0.238 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN070587.D

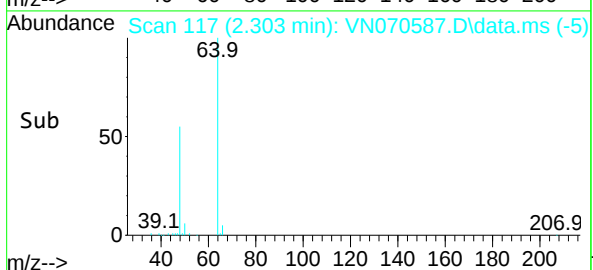
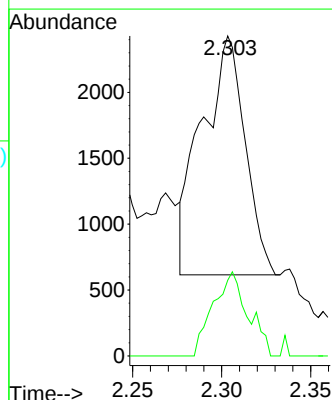
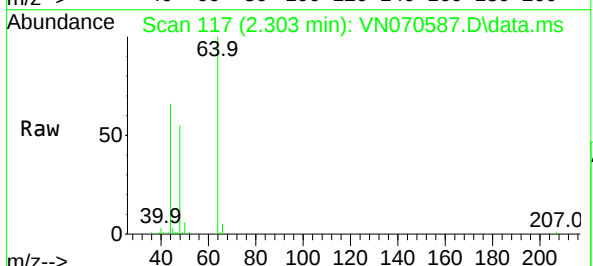
Acq: 12 Jan 2022 15:35

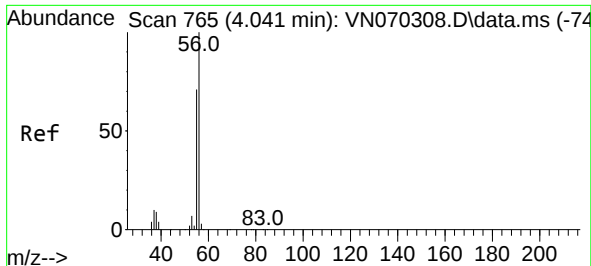
Tgt Ion: 50 Resp: 3078

Ion Ratio Lower Upper

50 100

52 31.7 25.4 38.0

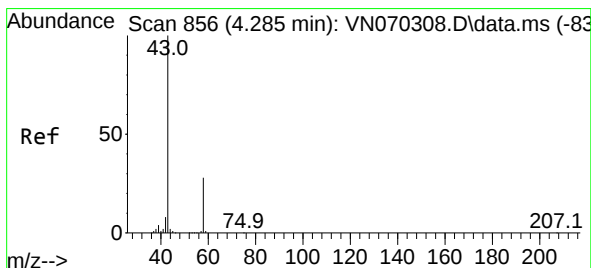
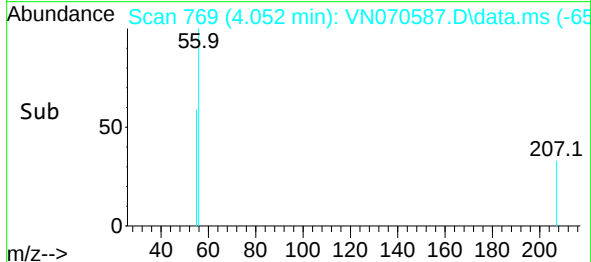
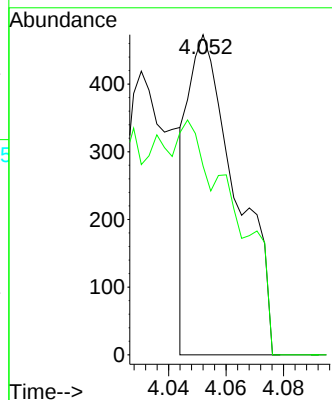
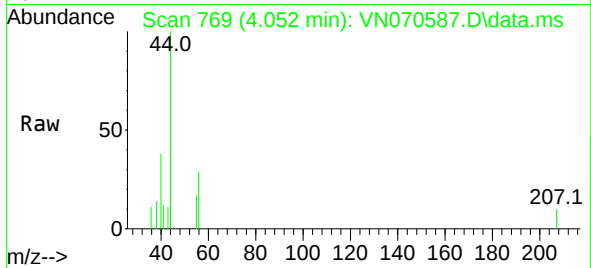




#13
Acrolein
Concen: 0.338 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

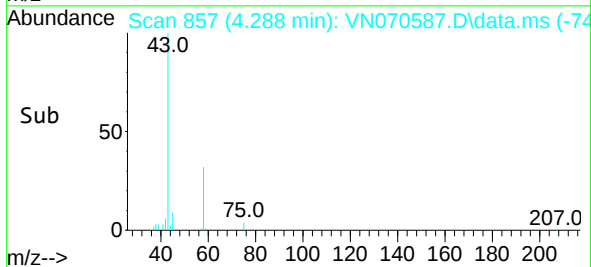
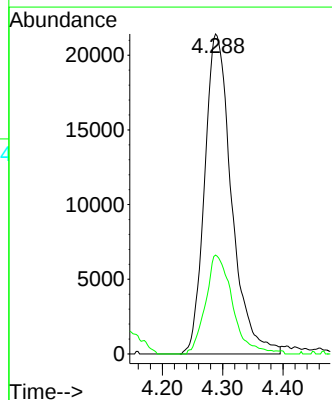
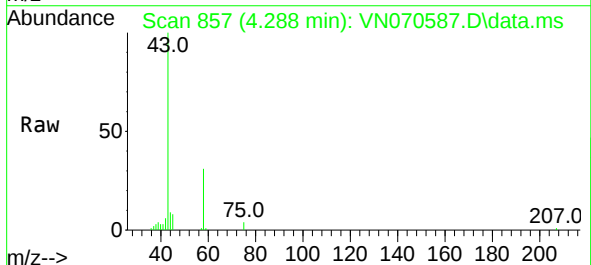
Instrument :
MSVOA_N
ClientSampleId :

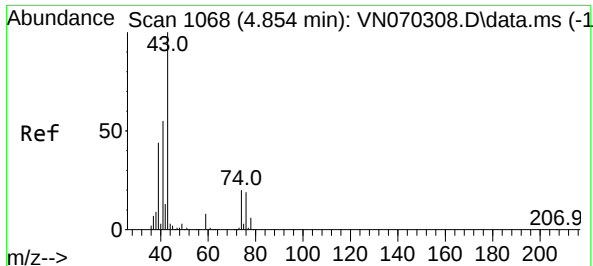
Tgt Ion: 56 Resp: 550
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 8.478 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion: 43 Resp: 66371
Ion Ratio Lower Upper
43 100
58 30.9 23.1 34.7





#18

Methyl Acetate

Concen: 0.479 ug/l

RT: 4.862 min Scan# 1068

Delta R.T. 0.008 min

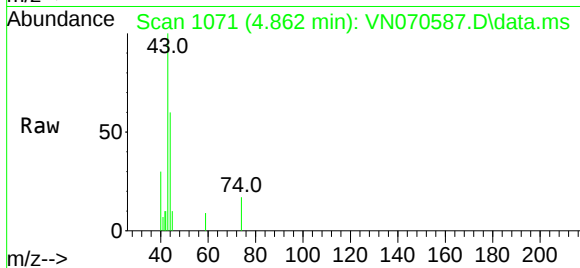
Lab File: VN070587.D

Acq: 12 Jan 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :

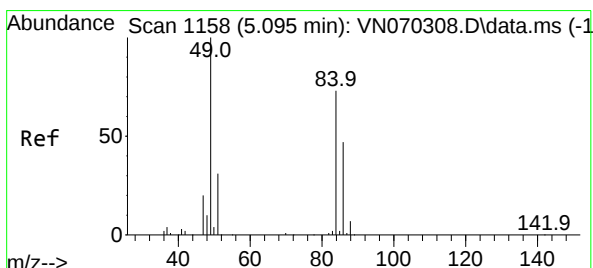
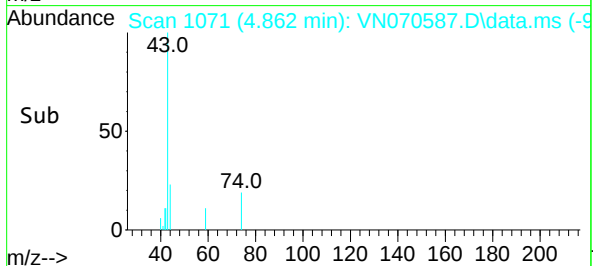
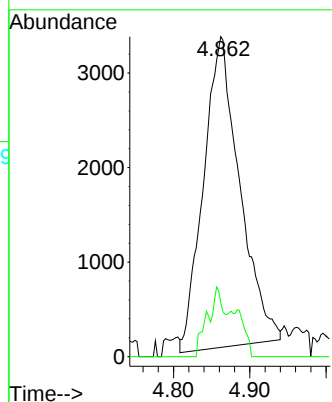


Tgt Ion: 43 Resp: 10836

Ion Ratio Lower Upper

43 100

74 3.1 19.4 29.2#



#20

Methylene Chloride

Concen: 2.986 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN070587.D

Acq: 12 Jan 2022 15:35

Tgt Ion: 84 Resp: 32337

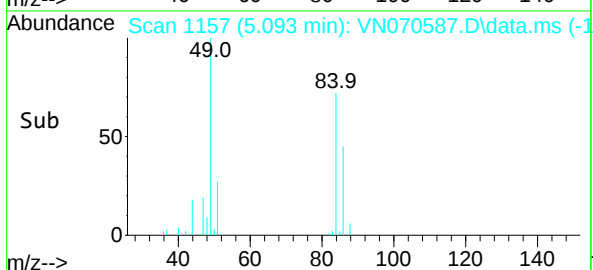
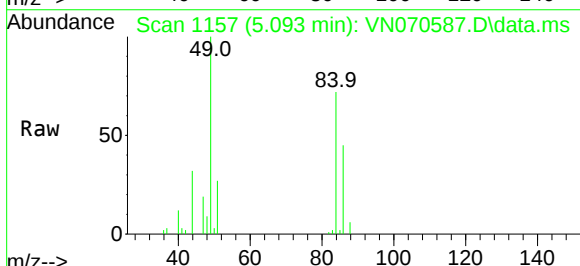
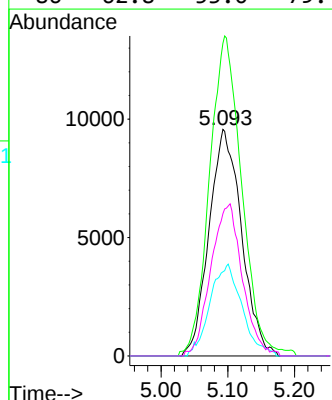
Ion Ratio Lower Upper

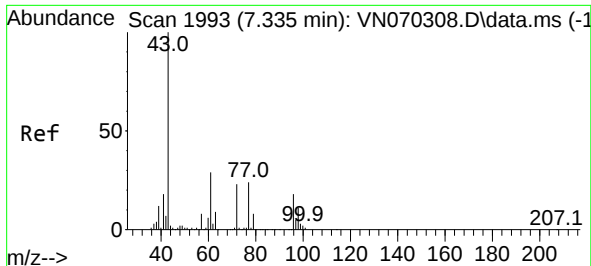
84 100

49 136.0 93.5 140.3

51 37.1 29.4 44.2

86 62.8 53.0 79.4





#25

2-Butanone

Concen: 1.472 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.013 min

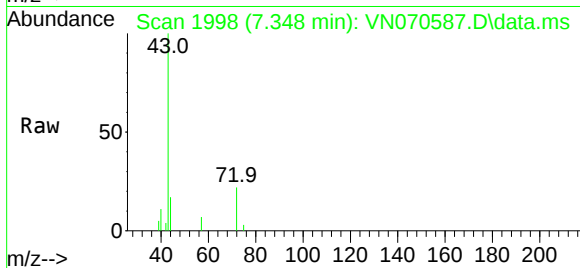
Lab File: VN070587.D

Acq: 12 Jan 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :

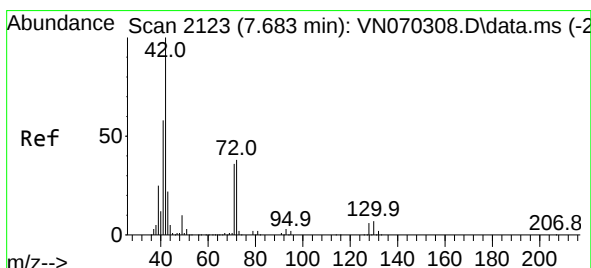
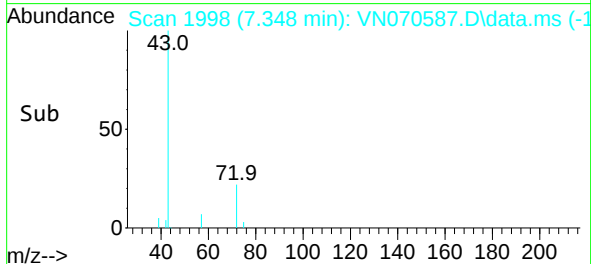
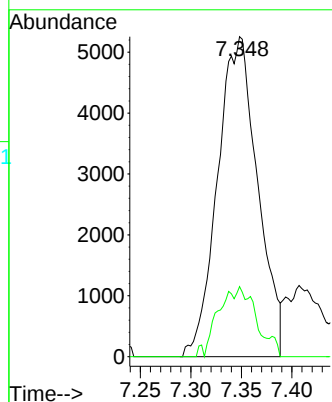


Tgt Ion: 43 Resp: 14507

Ion Ratio Lower Upper

43 100

72 21.9 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070587.D

Acq: 12 Jan 2022 15:35

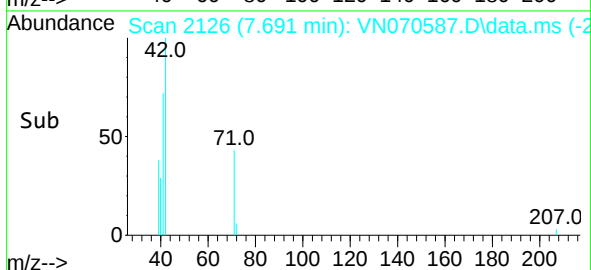
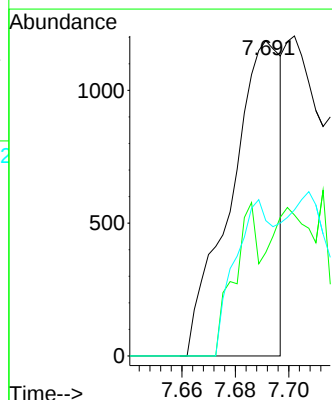
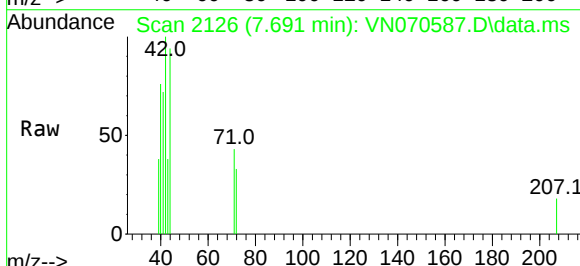
Tgt Ion: 42 Resp: 1537

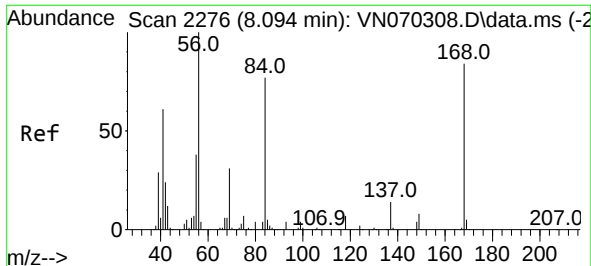
Ion Ratio Lower Upper

42 100

72 27.5 36.3 54.5#

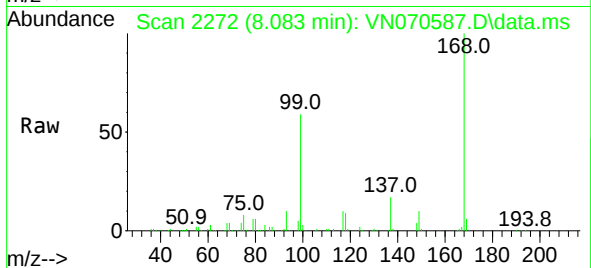
71 36.8 34.7 52.1



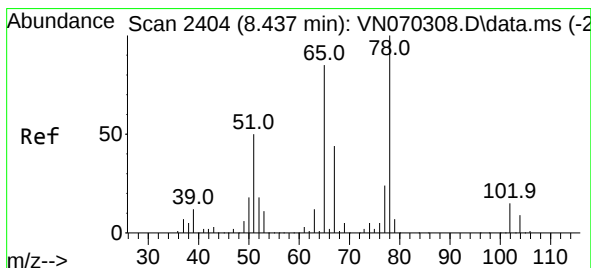
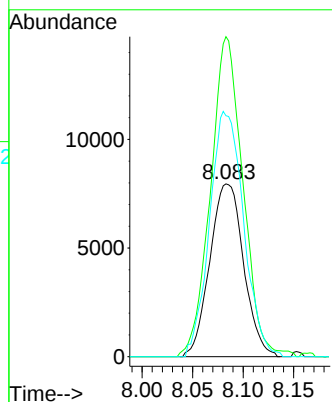
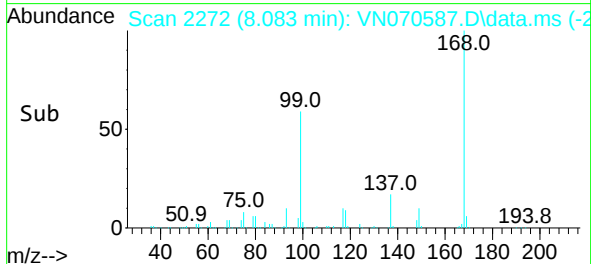


#31
Cyclohexane
Concen: 0.971 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

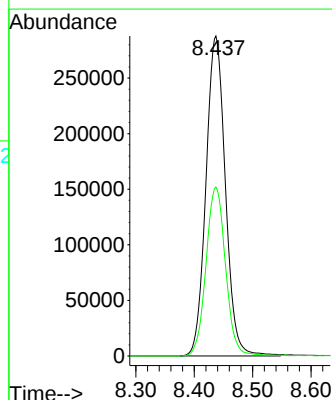
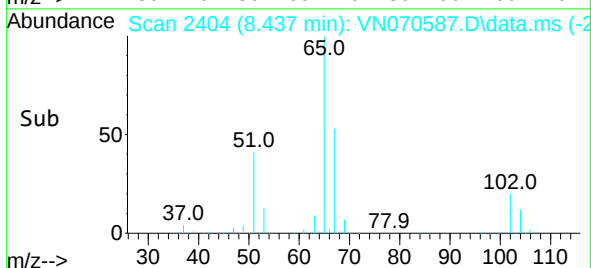
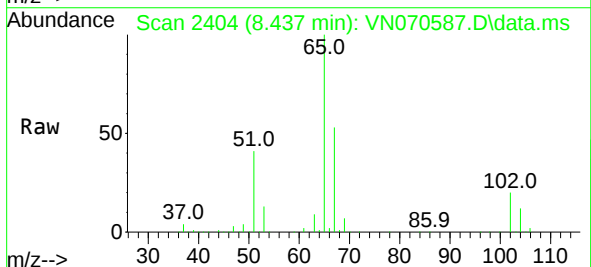


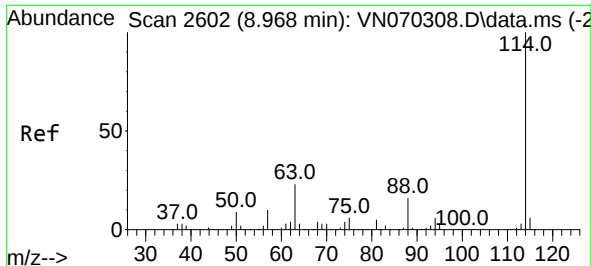
Tgt Ion: 56 Resp: 18481
Ion Ratio Lower Upper
56 100
69 183.1 27.1 40.7#
84 139.5 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 55.239 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion: 65 Resp: 666129
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0

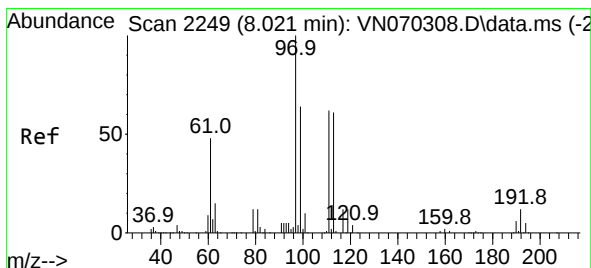
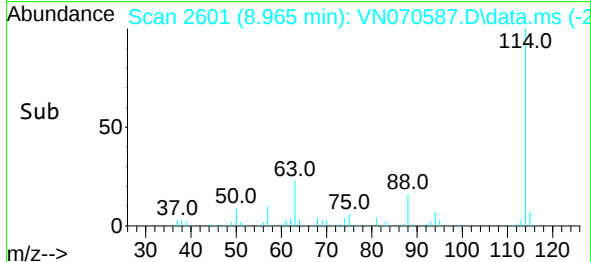
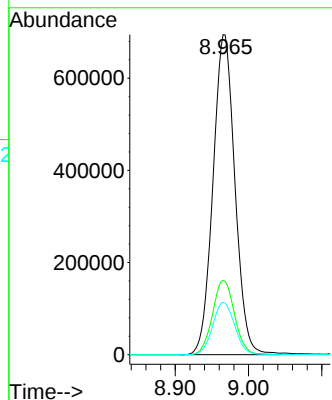
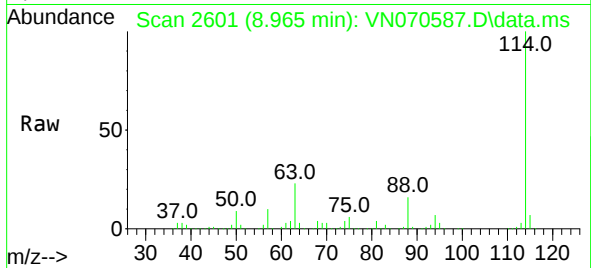




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

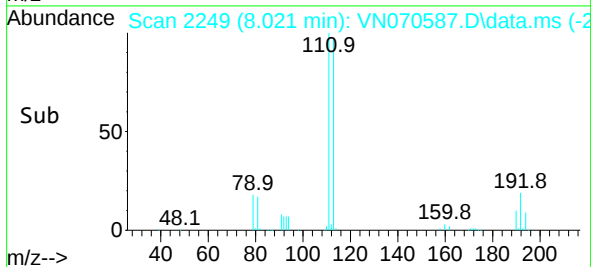
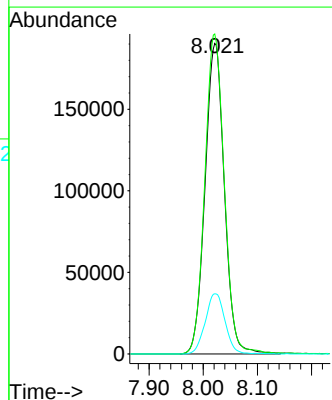
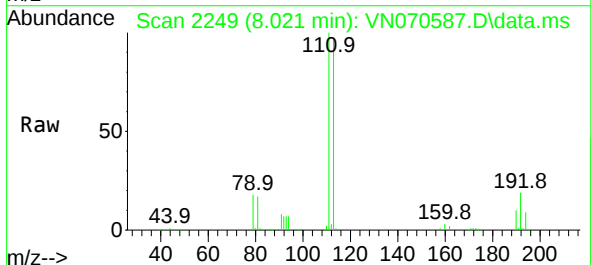
Instrument :
MSVOA_N
ClientSampleId :

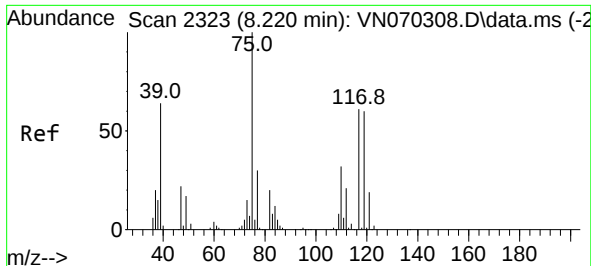
Tgt Ion:114 Resp: 1444900
Ion Ratio Lower Upper
114 100
63 23.2 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 53.995 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion:113 Resp: 472045
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.134 min

Lab File: VN070587.D

Acq: 12 Jan 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :

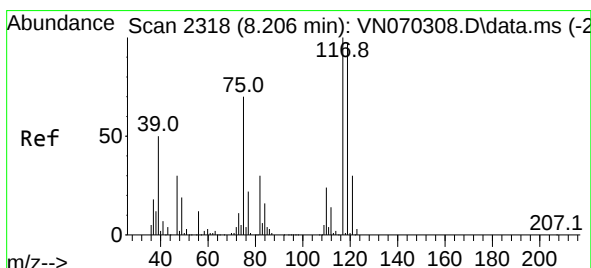
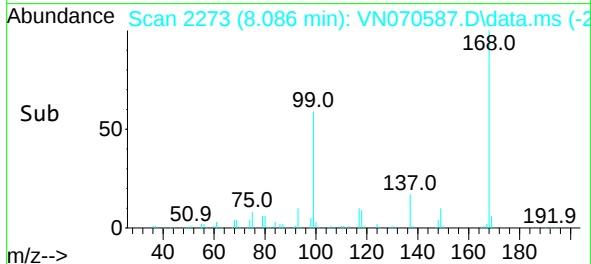
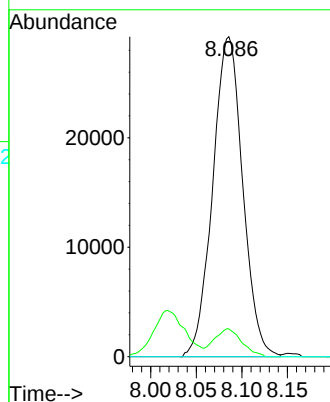
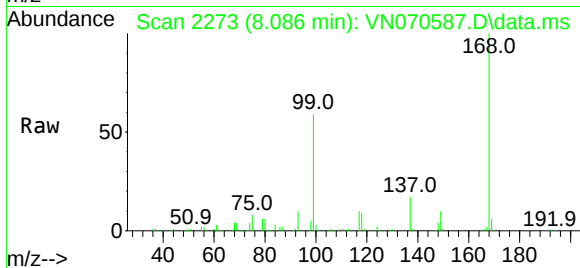
Tgt Ion: 75 Resp: 66875

Ion Ratio Lower Upper

75 100

110 8.0 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.959 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070587.D

Acq: 12 Jan 2022 15:35

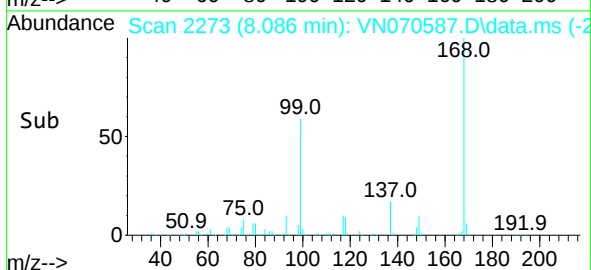
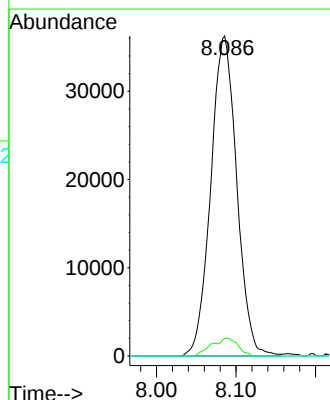
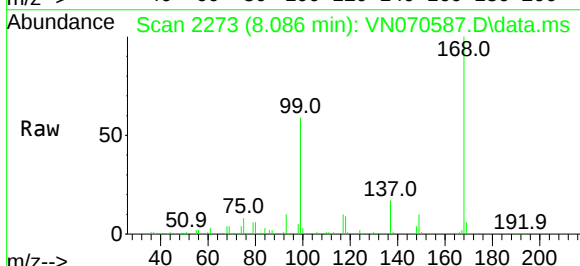
Tgt Ion: 117 Resp: 82290

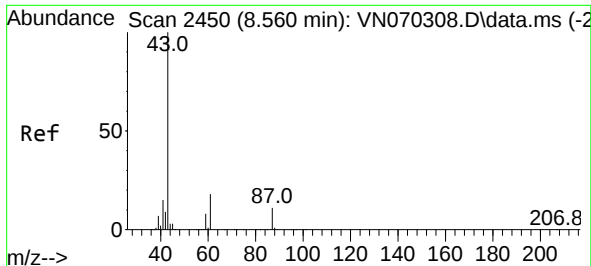
Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

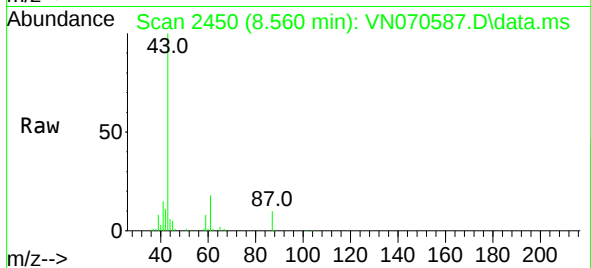
121 0.0 24.2 36.2#



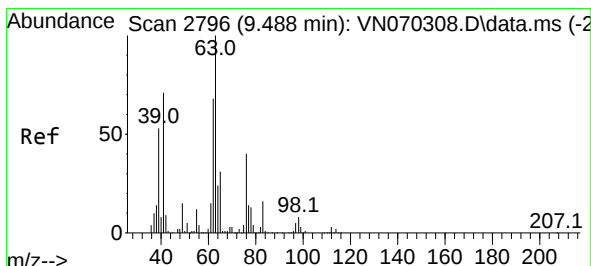
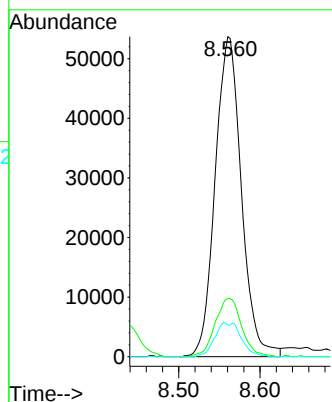
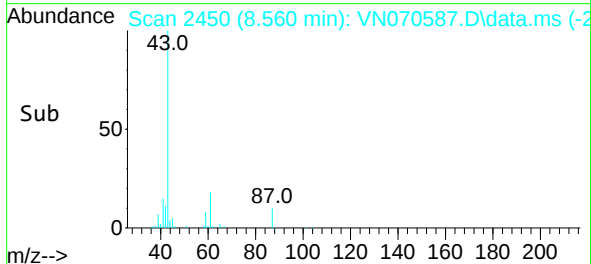


#43
Isopropyl Acetate
Concen: 4.065 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

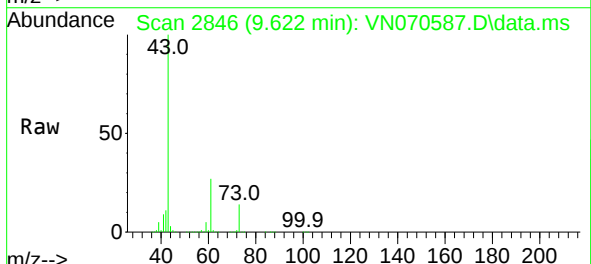
Instrument :
MSVOA_N
ClientSampleId :



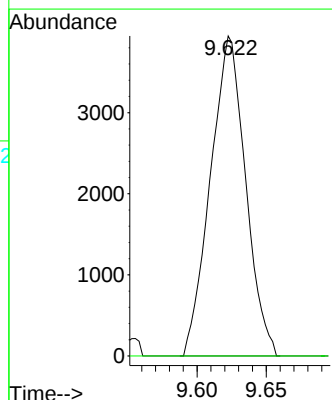
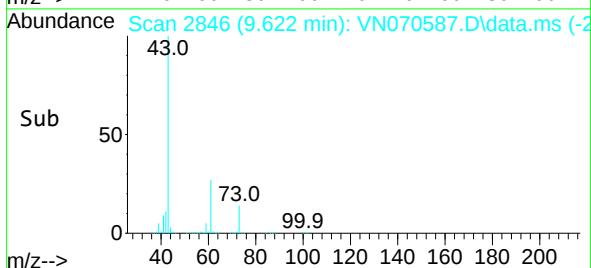
Tgt Ion: 43 Resp: 120129
Ion Ratio Lower Upper
43 100
61 18.5 20.4 30.6#
87 6.3 11.2 16.8#

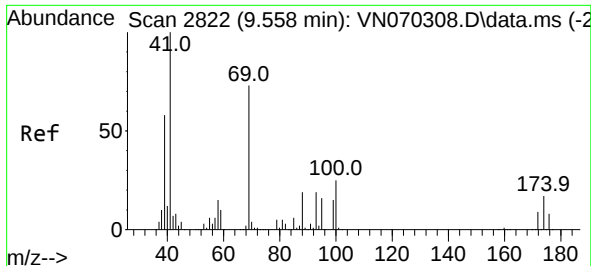


#45
1,2-Dichloropropane
Concen: 0.584 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35



Tgt Ion: 63 Resp: 6970
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

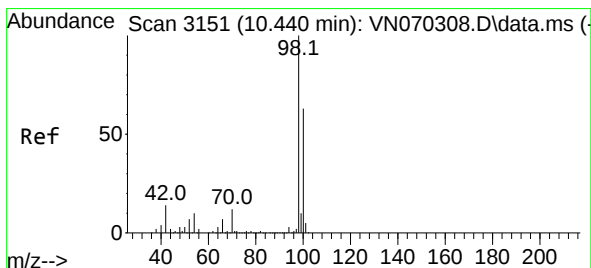
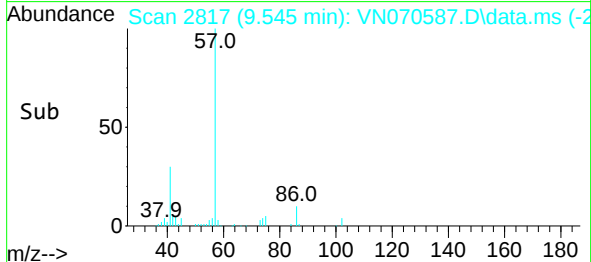
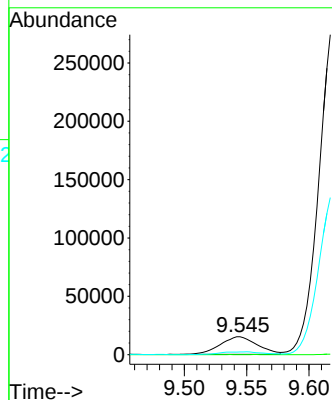
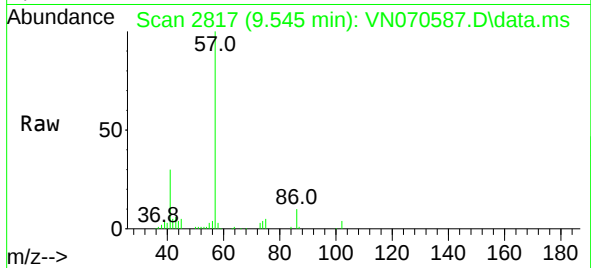




#48
Methyl methacrylate
Concen: 2.227 ug/l
RT: 9.545 min Scan# 2822
Delta R.T. -0.013 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

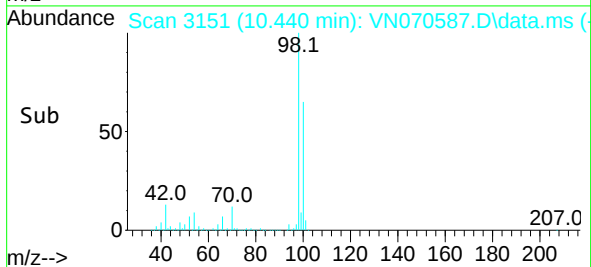
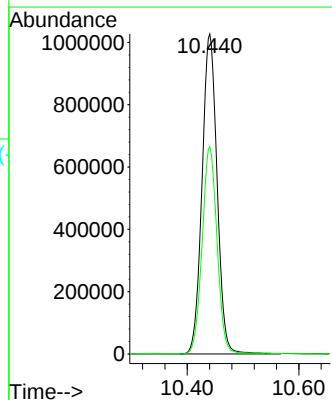
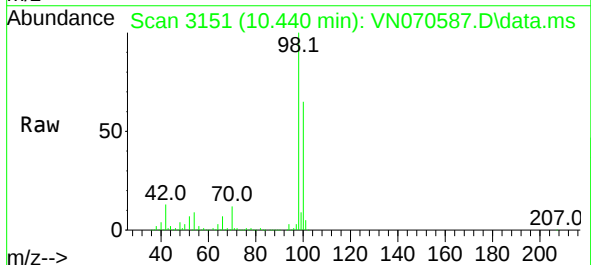
Instrument :
MSVOA_N
ClientSampleId :

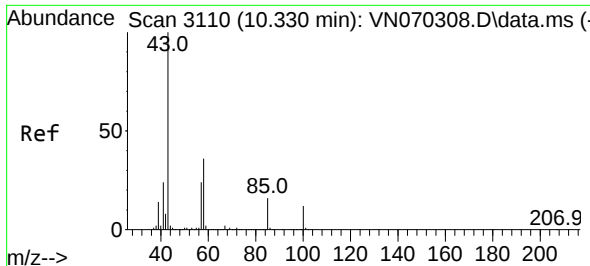
Tgt Ion: 41 Resp: 31398
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 53.845 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion: 98 Resp: 1922996
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

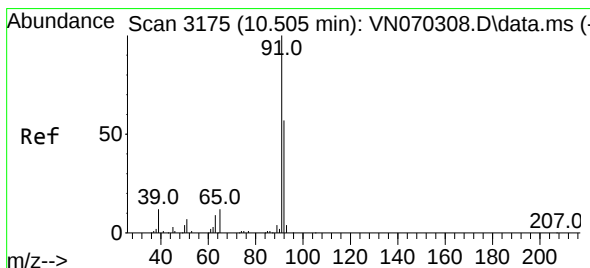
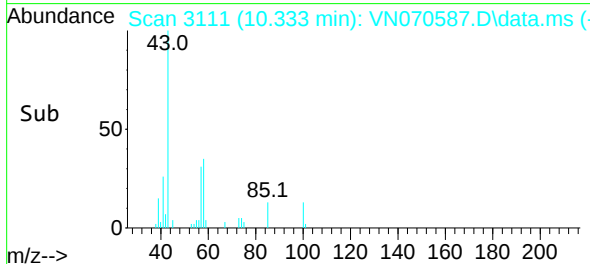
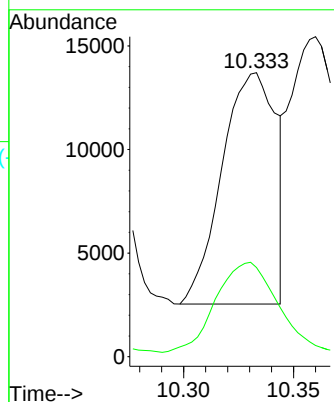
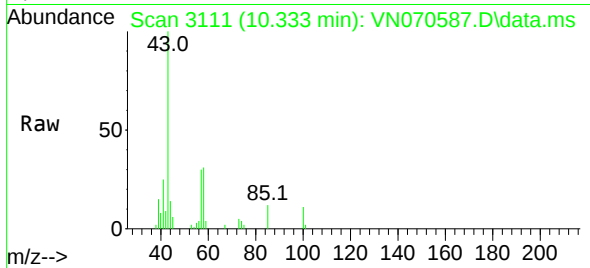




#51
4-Methyl-2-Pentanone
Concen: 1.026 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

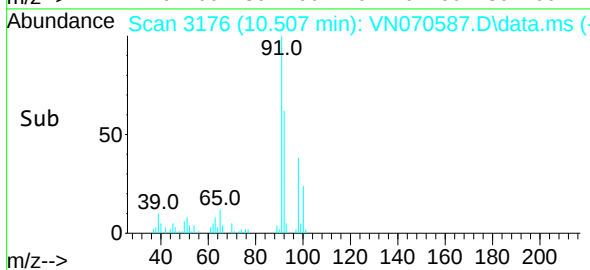
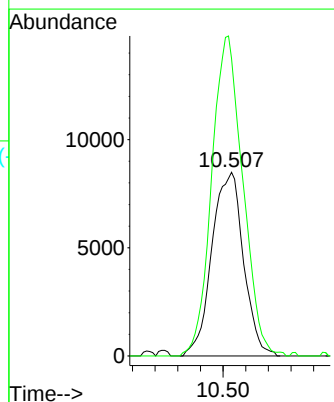
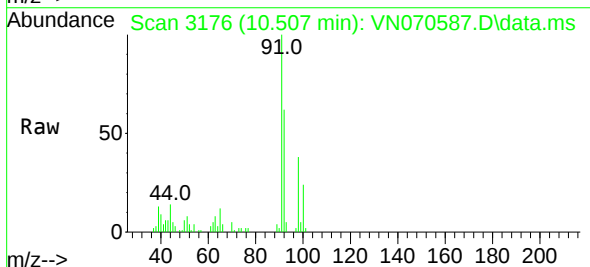
Instrument :
MSVOA_N
ClientSampleId :

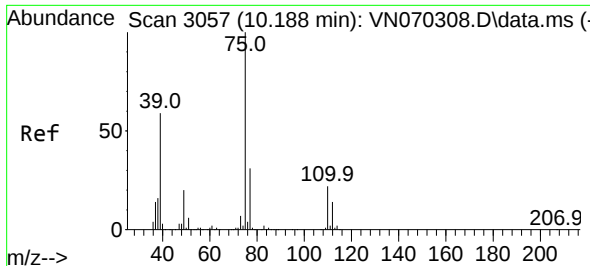
Tgt Ion: 43 Resp: 19062
Ion Ratio Lower Upper
43 100
58 45.1 30.4 45.6



#52
Toluene
Concen: 0.612 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.002 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

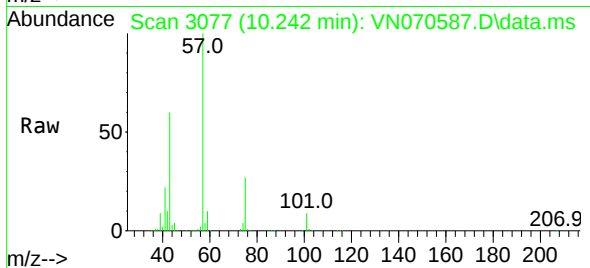
Tgt Ion: 92 Resp: 16434
Ion Ratio Lower Upper
92 100
91 171.5 142.0 213.0



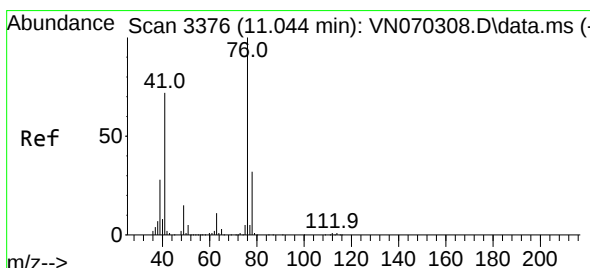
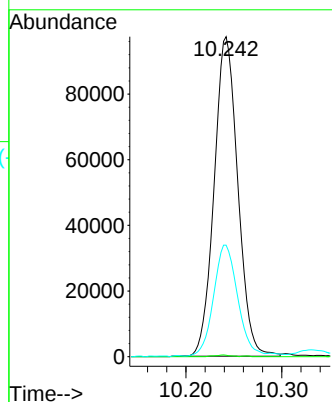
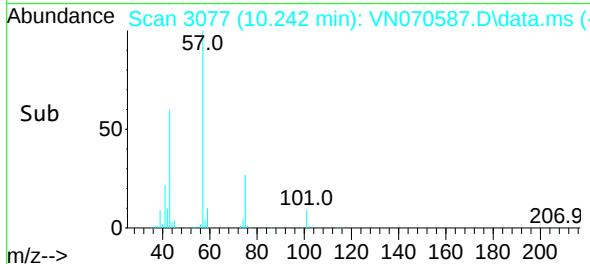


#54
cis-1,3-Dichloropropene
Concen: 9.652 ug/l
RT: 10.242 min Scan# 3057
Delta R.T. 0.054 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

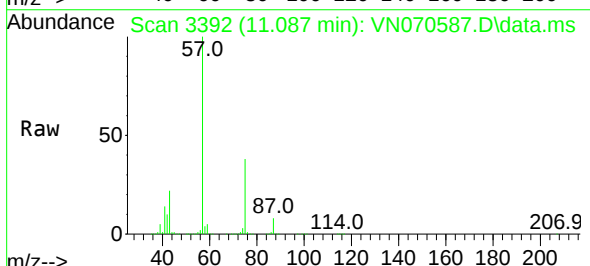
Instrument :
MSVOA_N
ClientSampleId :



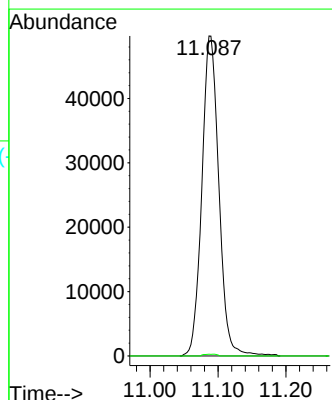
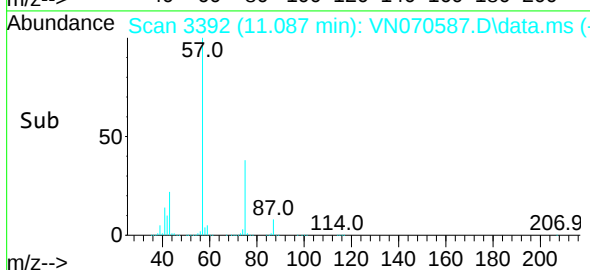
Tgt Ion: 75 Resp: 166609
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 34.6 42.5 63.7#

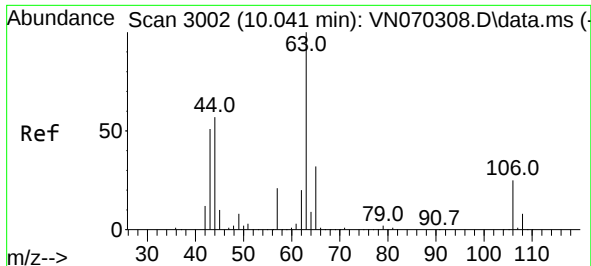


#57
1,3-Dichloropropane
Concen: 4.603 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.043 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35



Tgt Ion: 76 Resp: 86447
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

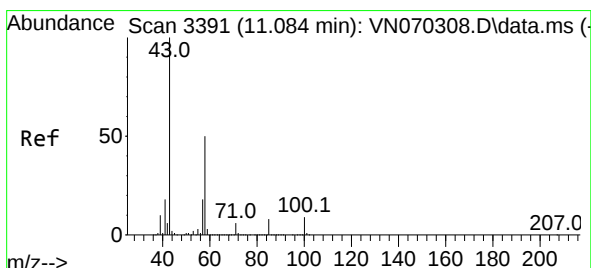
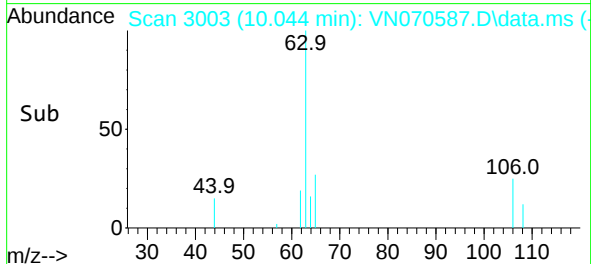
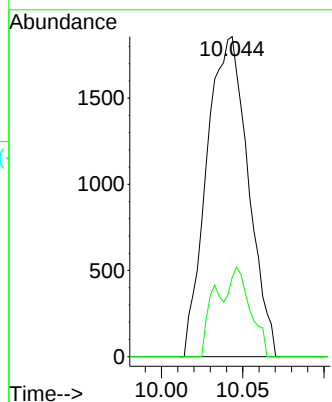
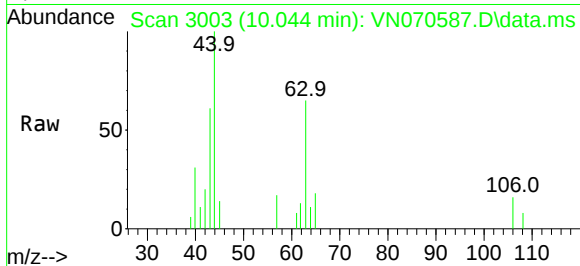




#58
2-Chloroethyl Vinyl ether
Concen: 19.193 ug/l
RT: 10.044 min Scan# 3002
Delta R.T. 0.002 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

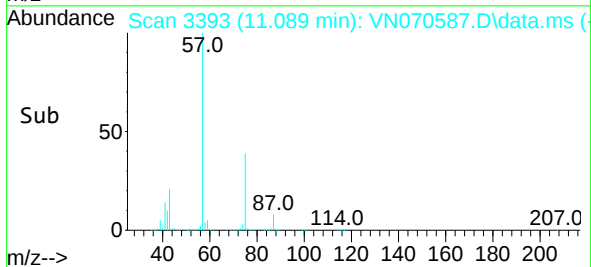
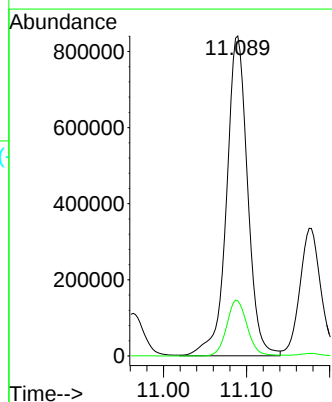
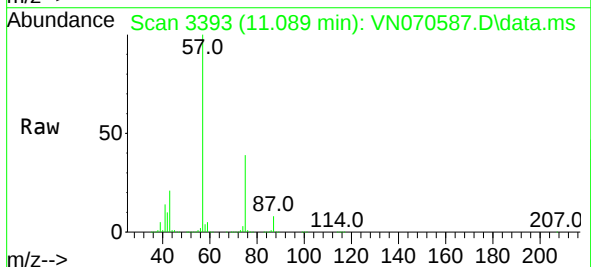
Instrument :
MSVOA_N
ClientSampleId :

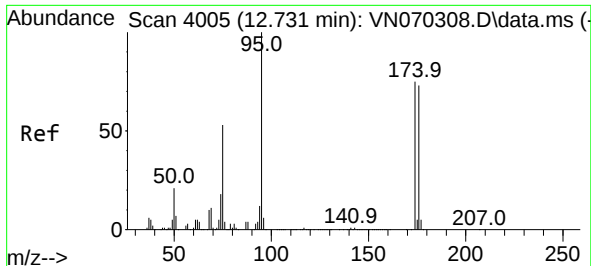
Tgt Ion: 63 Resp: 3291
Ion Ratio Lower Upper
63 100
106 14.7 23.9 35.9#



#59
2-Hexanone
Concen: 109.554 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion: 43 Resp: 1483714
Ion Ratio Lower Upper
43 100
58 17.0 26.9 80.7#

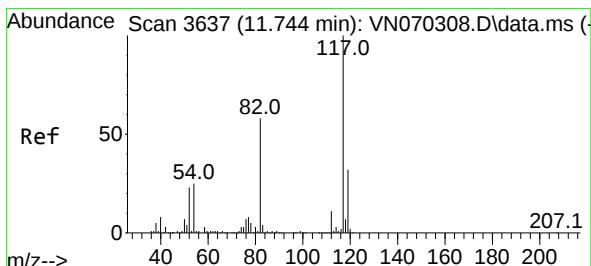
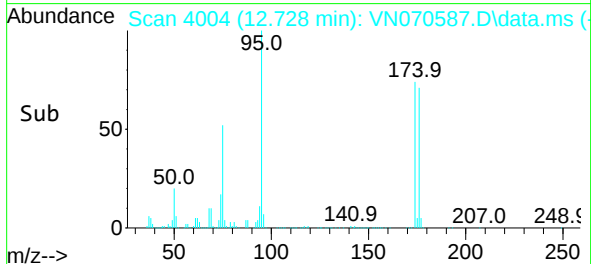
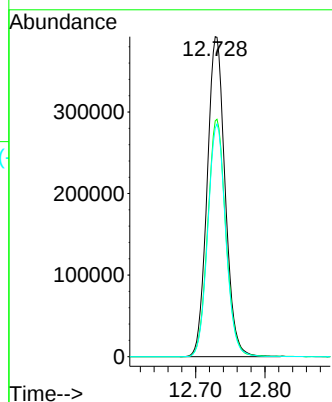
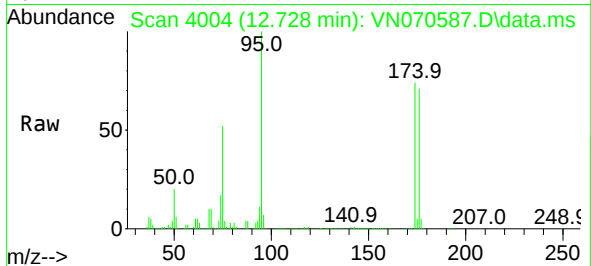




#62
4-Bromofluorobenzene
Concen: 54.744 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

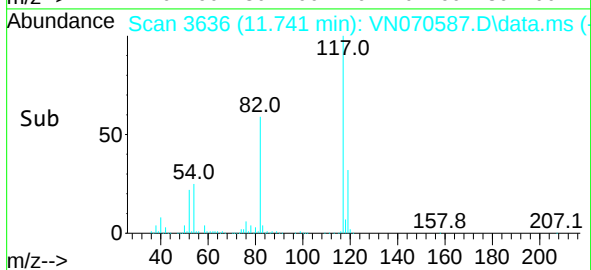
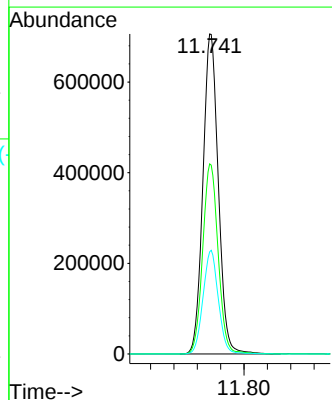
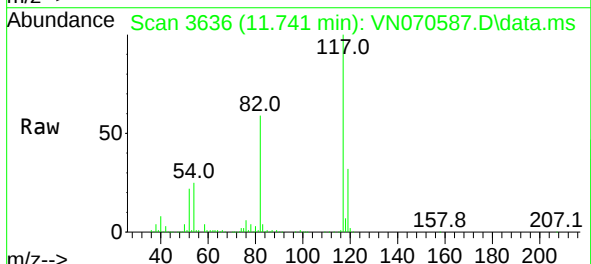
Instrument :
MSVOA_N
ClientSampleId :

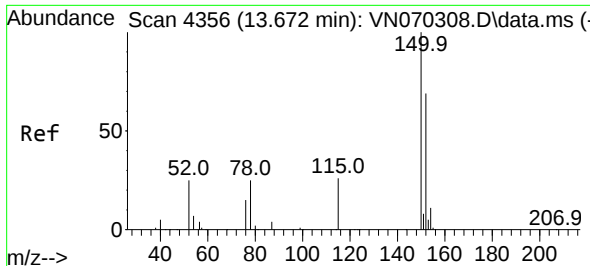
Tgt Ion: 95 Resp: 706142
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 72.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. -0.003 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion: 117 Resp: 1291004
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 31.9 25.4 38.2

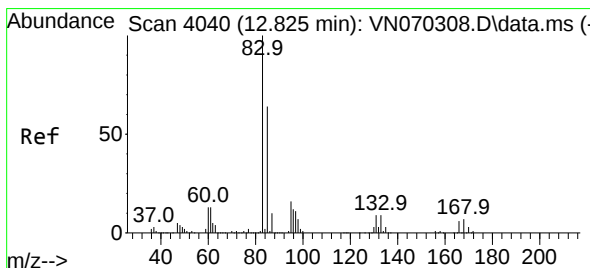
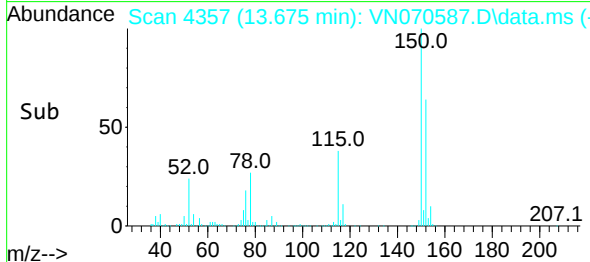
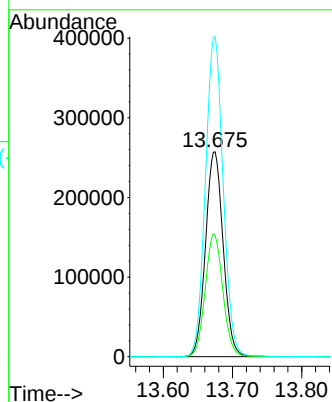
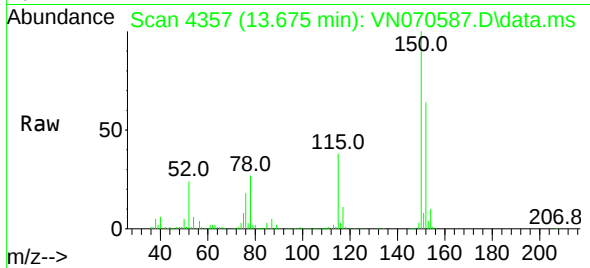




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

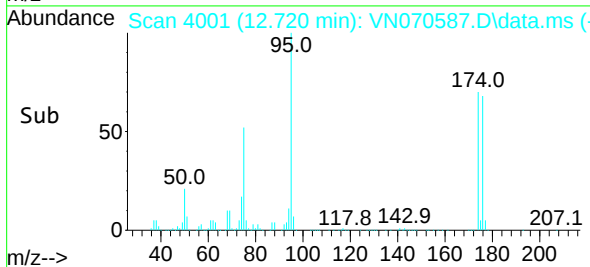
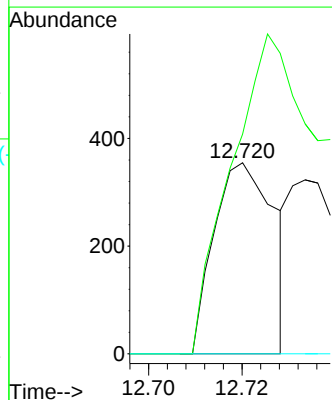
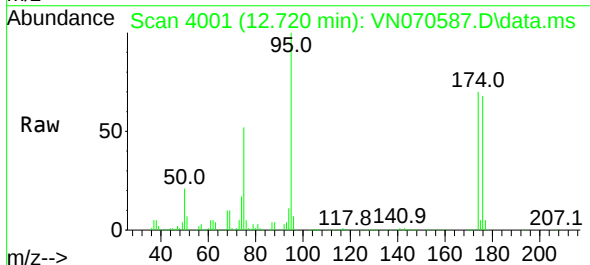
Instrument :
MSVOA_N
ClientSampleId :

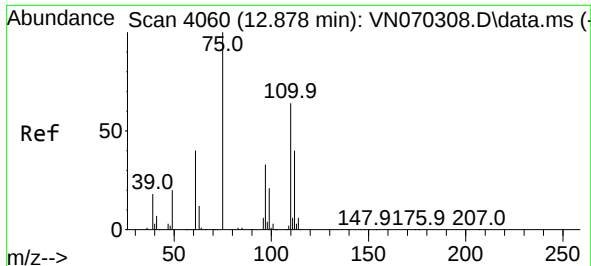
Tgt Ion:152 Resp: 456025
Ion Ratio Lower Upper
152 100
115 59.9 27.5 82.5
150 156.8 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: 0.467 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. -0.105 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion: 83 Resp: 316
Ion Ratio Lower Upper
83 100
131 285.8 5.5 16.5#
85 0.0 32.4 97.2#

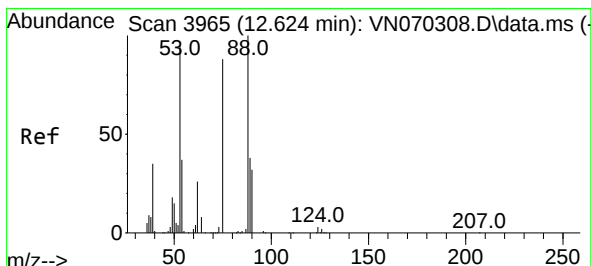
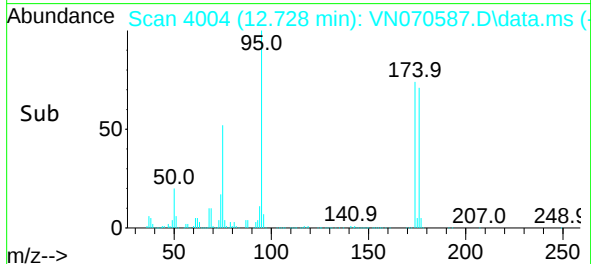
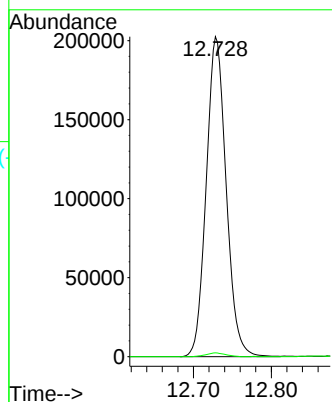
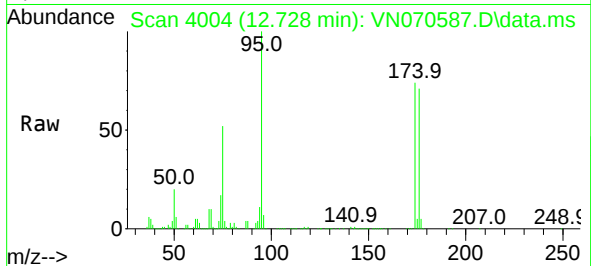




#76
1,2,3-Trichloropropane
Concen: 27.947 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

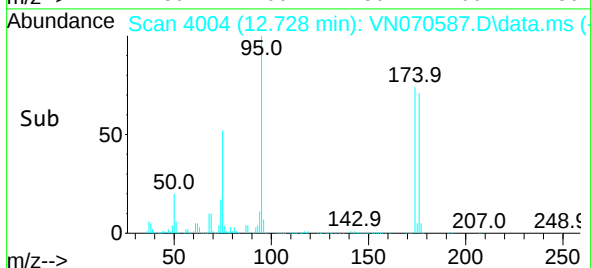
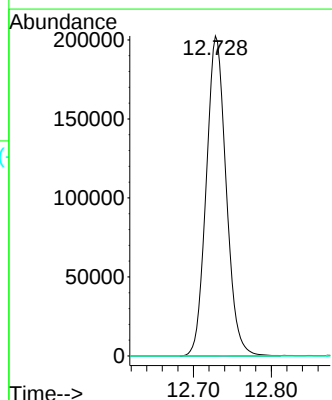
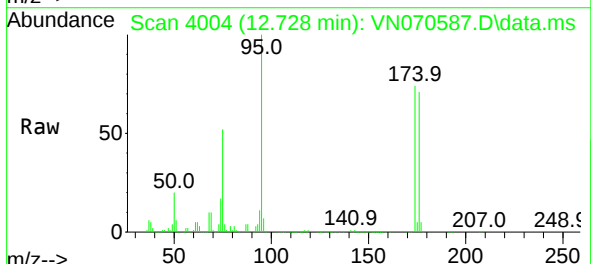
Instrument :
MSVOA_N
ClientSampleId :

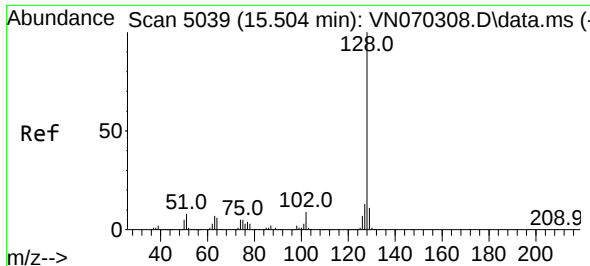
Tgt Ion: 75 Resp: 360076
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.470 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion: 75 Resp: 360076
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

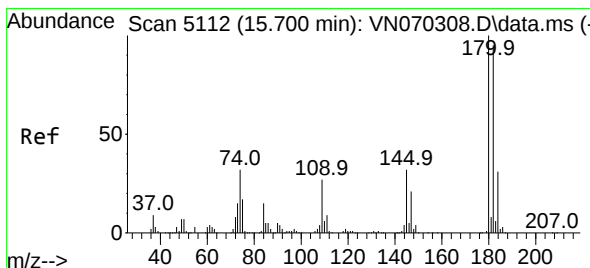
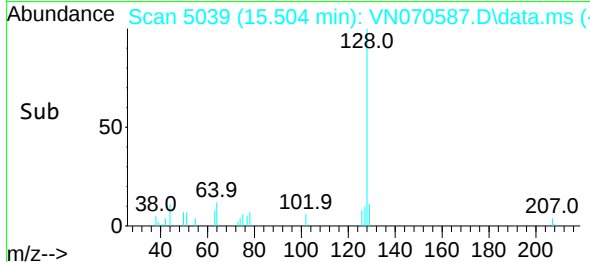
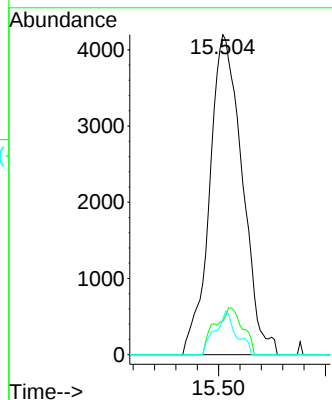
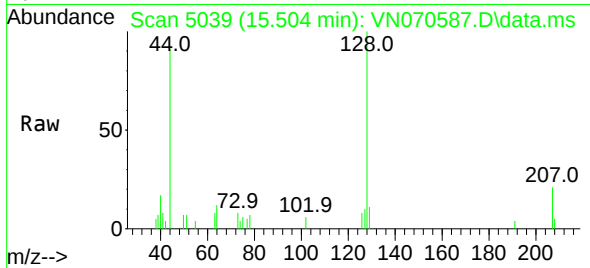




#95
Naphthalene
Concen: 2.209 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	8889
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.5	15.7
129	8.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.975 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN070587.D
Acq: 12 Jan 2022 15:35

Tgt Ion:	180	Resp:	1089
Ion Ratio	Lower	Upper	
180	100		
182	121.4	47.4	142.2
145	29.7	15.0	45.1

