

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070504.D
 Acq On : 5 Jan 2022 21:26
 Operator : JC/MD
 Sample : N1015-05 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 13:27:51 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)

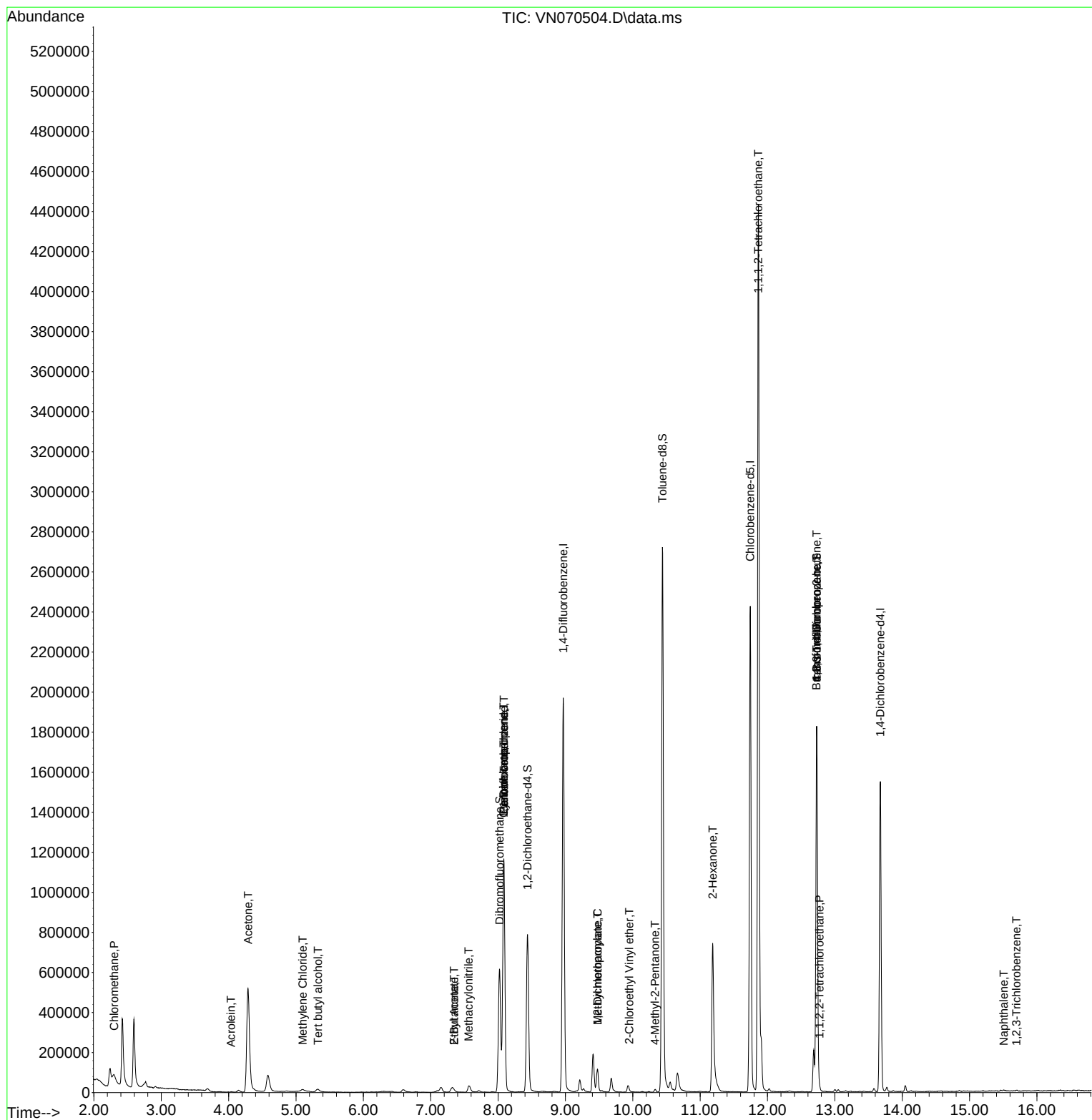
Internal Standards						
1) Pentafluorobenzene	8.086	168	904476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1537133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1393890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	435835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	653436	50.246	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.500%
35) Dibromofluoromethane	8.021	113	456715	49.107	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.220%
50) Toluene-d8	10.440	98	1842950	48.507	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.731	95	667517	48.645	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.280%
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	3597	0.258	ug/l #	87
11) Tert butyl alcohol	5.326	59	15881	7.334	ug/l #	71
13) Acrolein	4.036	56	1017	0.579	ug/l #	79
16) Acetone	4.288	43	1002409	118.740	ug/l	97
20) Methylene Chloride	5.098	84	6540	0.560	ug/l #	92
25) 2-Butanone	7.345	43	13030	1.226	ug/l #	85
31) Cyclohexane	8.083	56	19200	0.936	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	71145	4.624	ug/l #	49
37) Ethyl Acetate	7.345	43	13030	0.653	ug/l #	68
38) Carbon Tetrachloride	8.086	117	87427	5.951	ug/l #	16
41) Methacrylonitrile	7.563	41	10664	1.069	ug/l #	1
45) 1,2-Dichloropropane	9.478	63	3169	0.250	ug/l #	1
48) Methyl methacrylate	9.478	41	13966	0.931	ug/l #	24
51) 4-Methyl-2-Pentanone	10.328	43	11678	0.591	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.947	63	144	18.541	ug/l #	45
59) 2-Hexanone	11.186	43	211036	14.647	ug/l #	26
66) 1,1,1,2-Tetrachloroethane	11.862	131	3419	0.324	ug/l #	8
71) Bromoform	12.728	173	4669	0.596	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.771	83	4795	0.770	ug/l #	34
76) 1,2,3-Trichloropropane	12.731	75	341837	27.778	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	341837	95.827	ug/l #	5
95) Naphthalene	15.507	128	4901	2.035	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.694	180	165	0.850	ug/l #	38

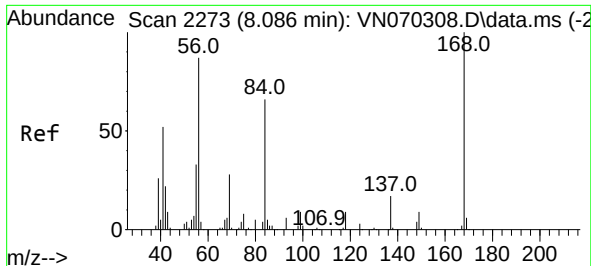
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 27 18:47:12 2021
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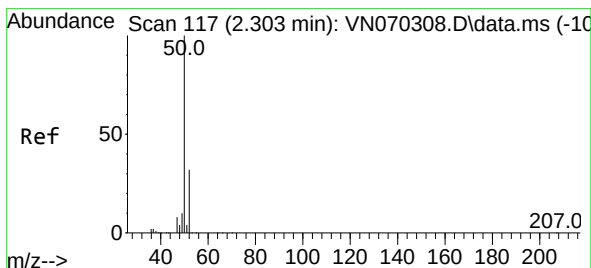
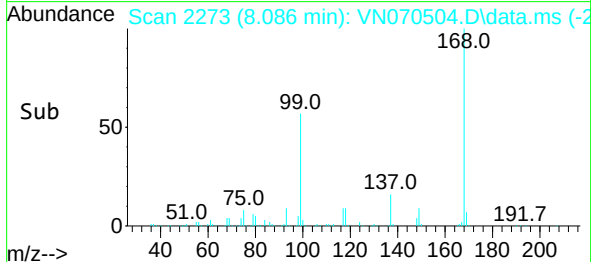
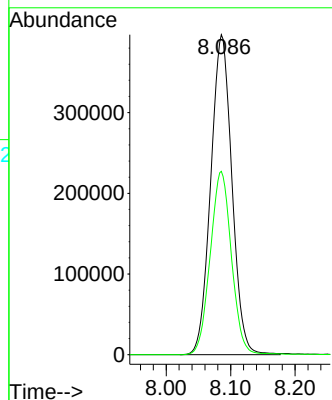
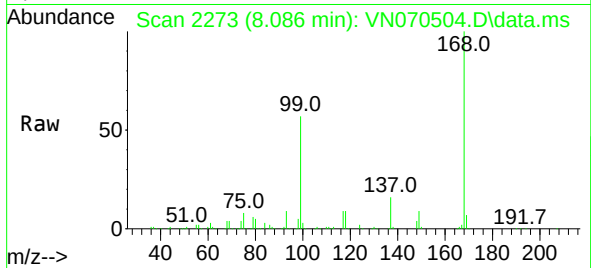




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

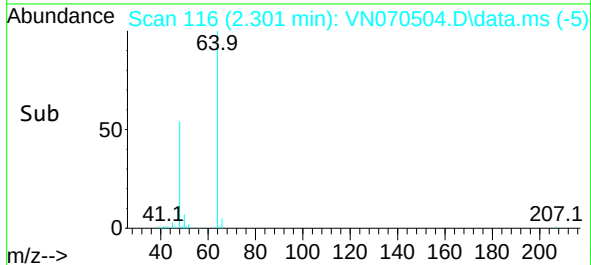
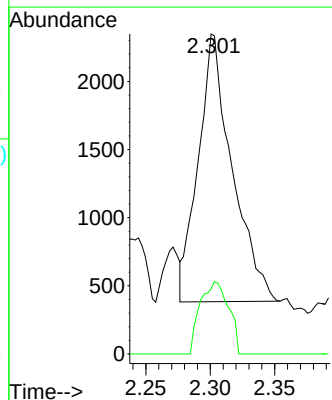
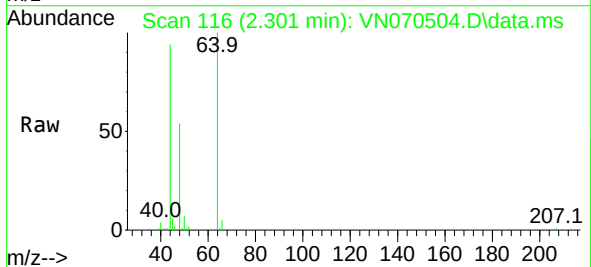
Instrument :
MSVOA_N
ClientSampleId :

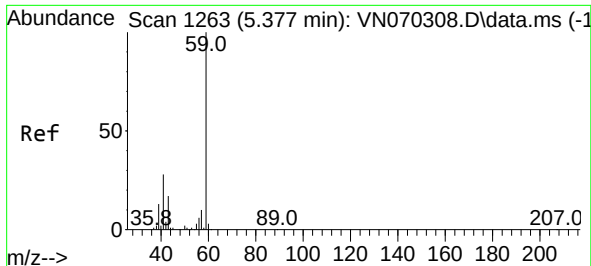
Tgt Ion:168 Resp: 904476
Ion Ratio Lower Upper
168 100
99 57.3 41.3 61.9



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Tgt Ion: 50 Resp: 3597
Ion Ratio Lower Upper
50 100
52 24.4 25.4 38.0#





#11

Tert butyl alcohol

Concen: 7.334 ug/l

RT: 5.326 min Scan# 11

Delta R.T. -0.051 min

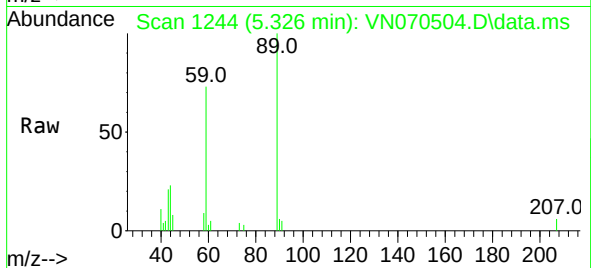
Lab File: VN070504.D

Acq: 5 Jan 2022 21:26

Instrument :

MSVOA_N

ClientSampleId :

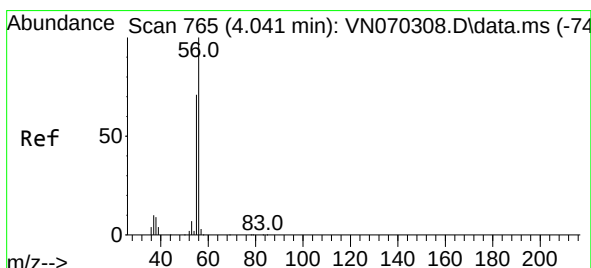
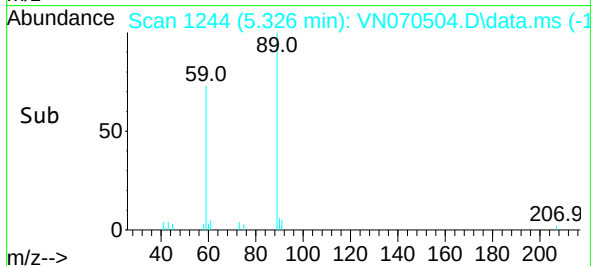
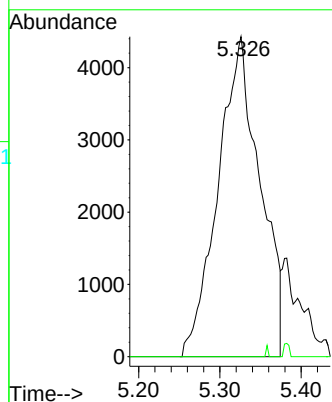


Tgt Ion: 59 Resp: 15881

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.579 ug/l

RT: 4.036 min Scan# 763

Delta R.T. -0.005 min

Lab File: VN070504.D

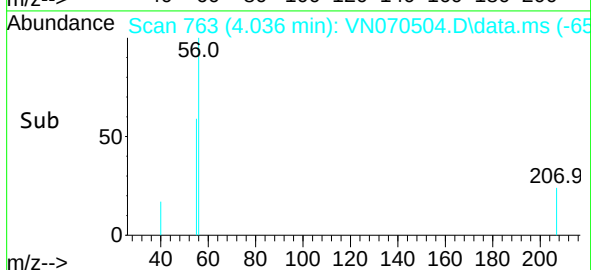
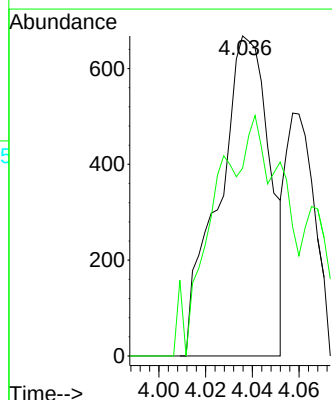
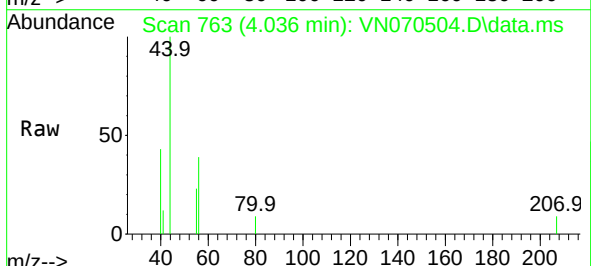
Acq: 5 Jan 2022 21:26

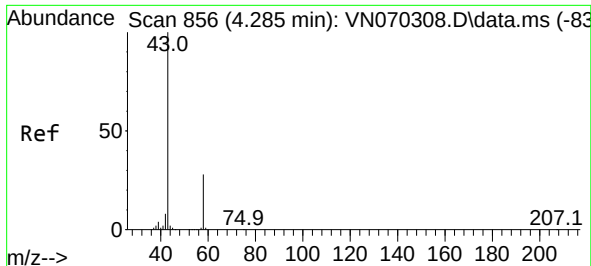
Tgt Ion: 56 Resp: 1017

Ion Ratio Lower Upper

56 100

55 53.7 56.6 85.0#

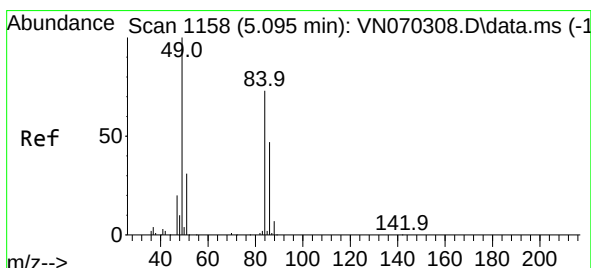
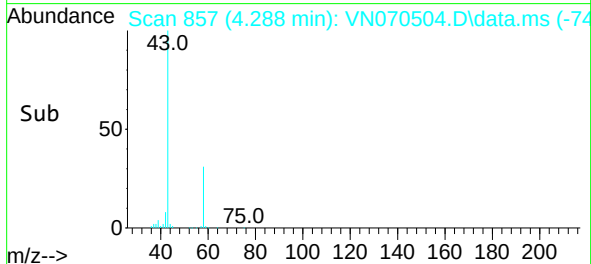
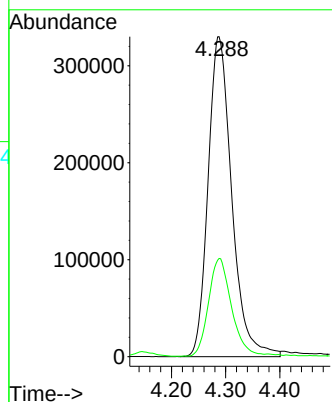
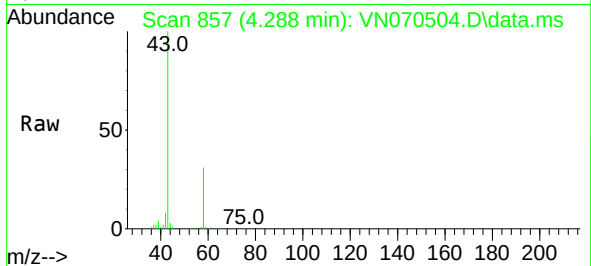




#16
Acetone
Concen: 118.740 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

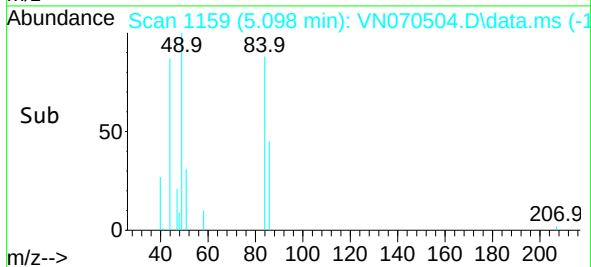
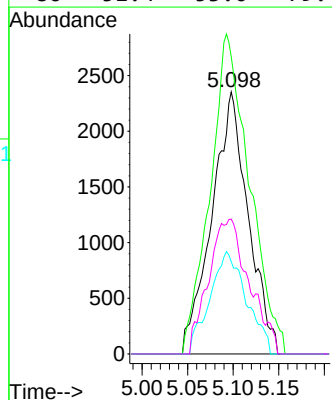
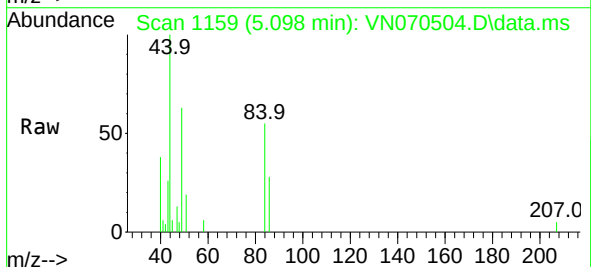
Instrument :
MSVOA_N
ClientSampleId :

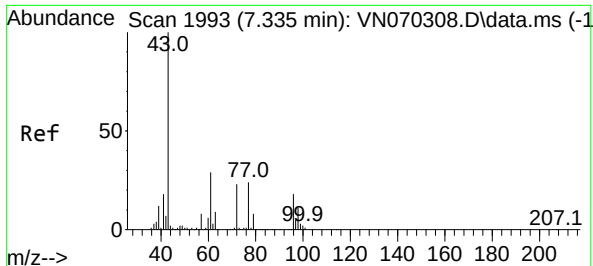
Tgt Ion: 43 Resp: 1002409
Ion Ratio Lower Upper
43 100
58 30.6 23.1 34.7



#20
Methylene Chloride
Concen: 0.560 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Tgt Ion: 84 Resp: 6540
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 35.2 29.4 44.2
86 51.4 53.0 79.4#





#25

2-Butanone

Concen: 1.226 ug/l

RT: 7.345 min Scan# 1993

Delta R.T. 0.010 min

Lab File: VN070504.D

Acq: 5 Jan 2022 21:26

Instrument :

MSVOA_N

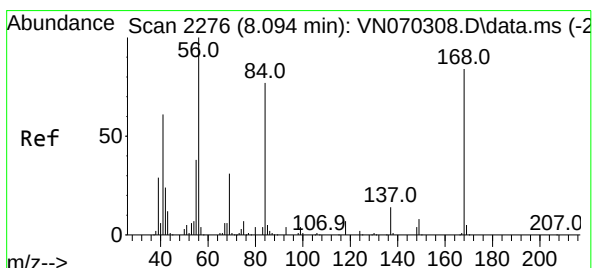
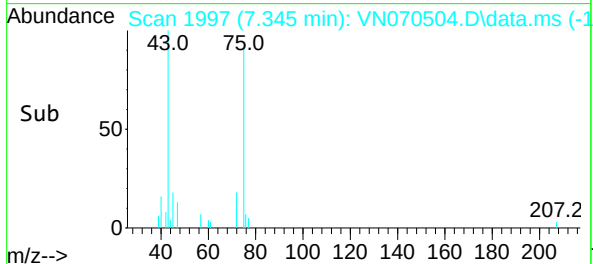
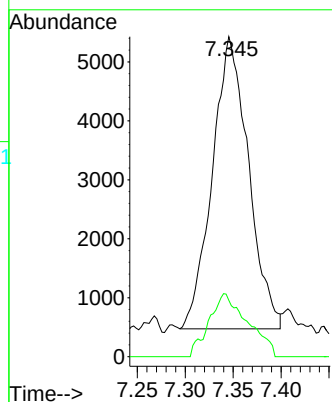
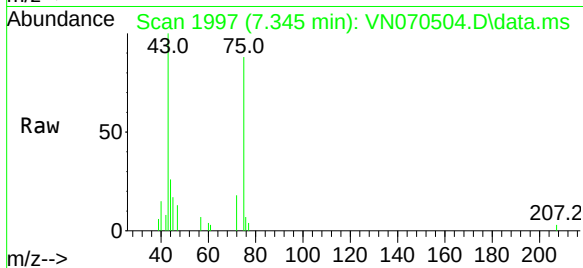
ClientSampleId :

Tgt Ion: 43 Resp: 13030

Ion Ratio Lower Upper

43 100

72 19.2 21.7 32.5#



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070504.D

Acq: 5 Jan 2022 21:26

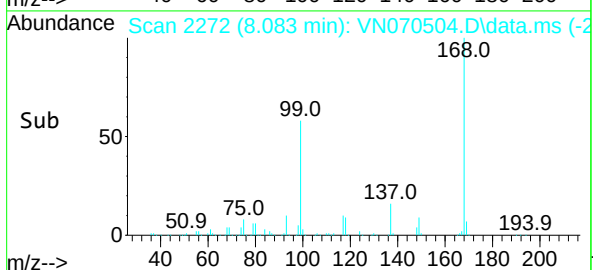
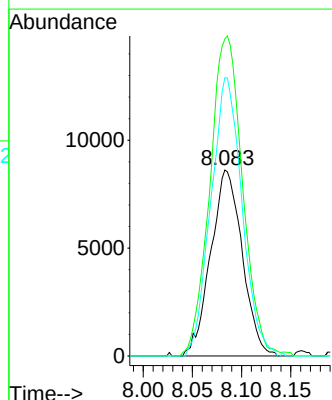
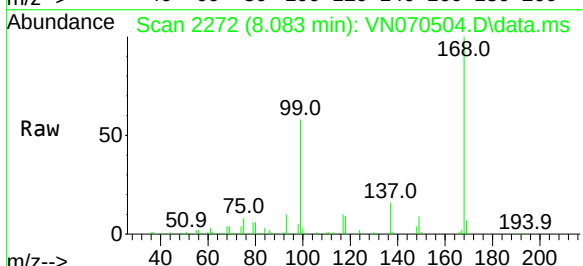
Tgt Ion: 56 Resp: 19200

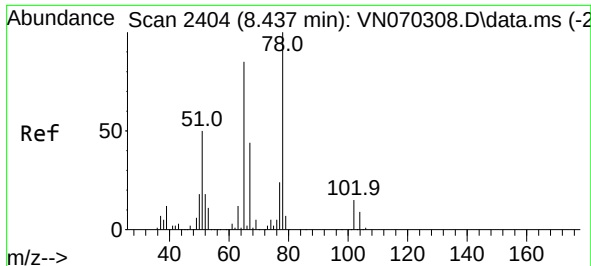
Ion Ratio Lower Upper

56 100

69 170.5 27.1 40.7#

84 149.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 50.246 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

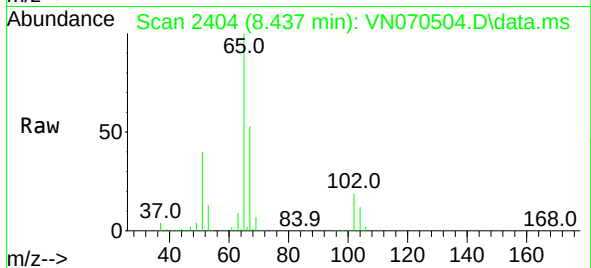
Lab File: VN070504.D

Acq: 5 Jan 2022 21:26

Instrument :

MSVOA_N

ClientSampleId :

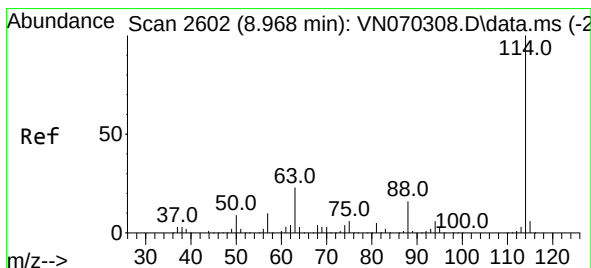
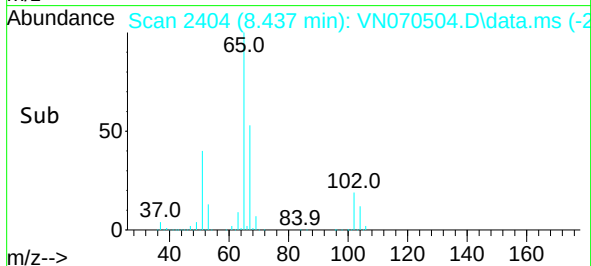
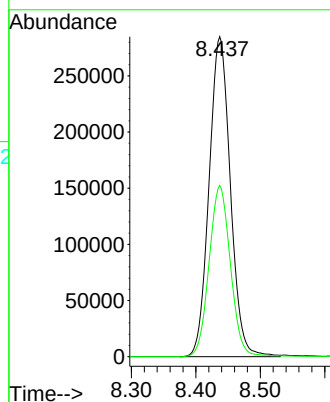


Tgt Ion: 65 Resp: 653436

Ion Ratio Lower Upper

65 100

67 53.6 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: VN070504.D

Acq: 5 Jan 2022 21:26

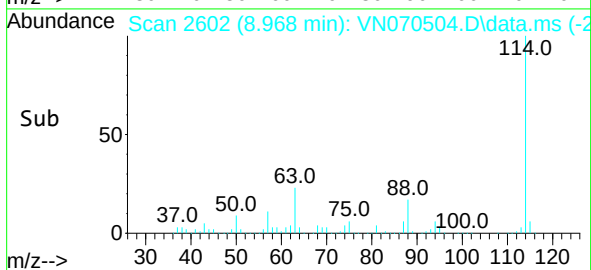
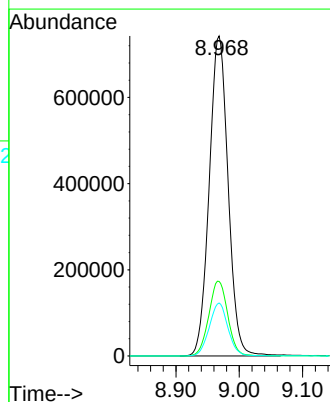
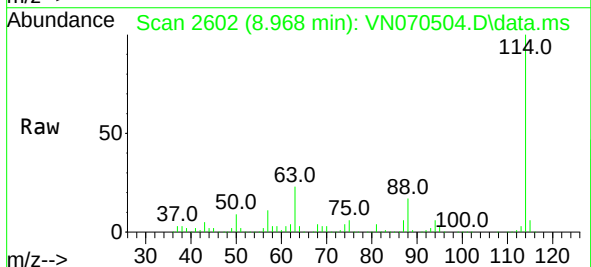
Tgt Ion: 114 Resp: 1537133

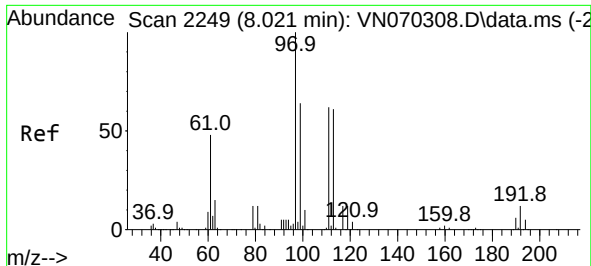
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

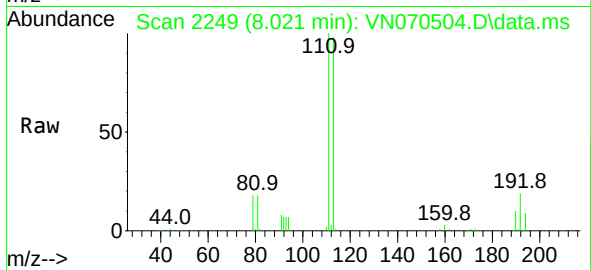
88 16.5 0.0 27.4



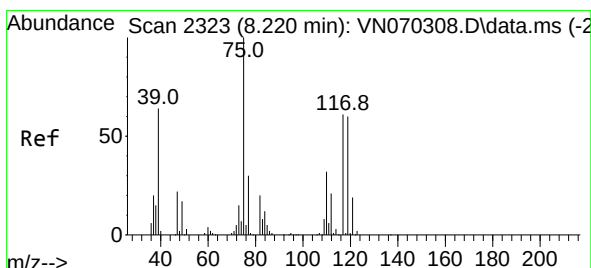
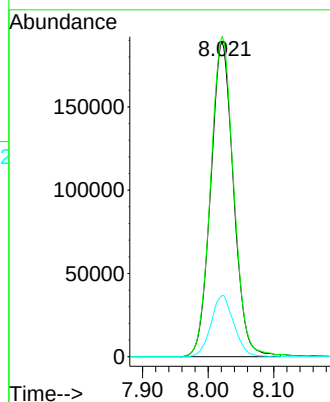
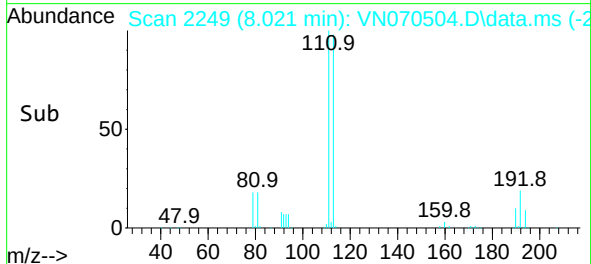


#35
Dibromofluoromethane
Concen: 49.107 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Instrument :
MSVOA_N
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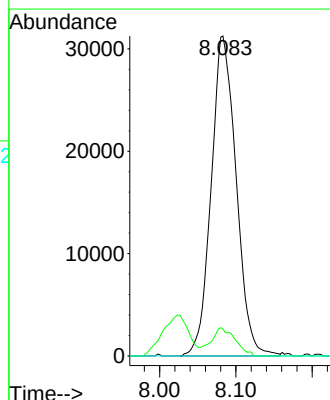
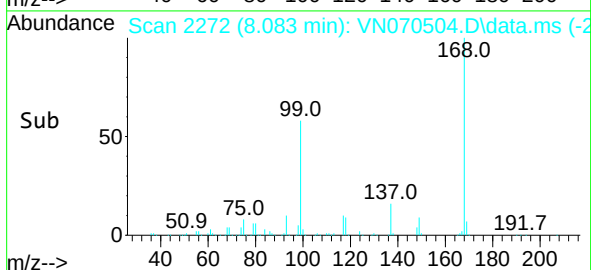
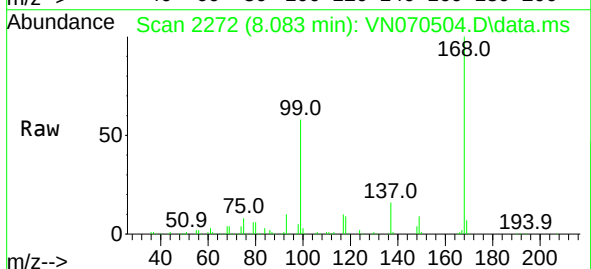


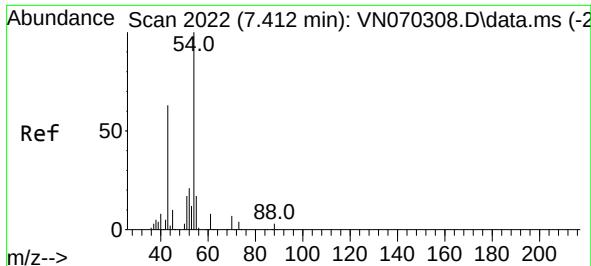
Tgt Ion:113 Resp: 456715
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.624 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

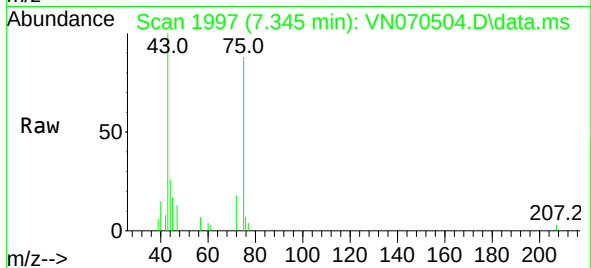
Tgt Ion: 75 Resp: 71145
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



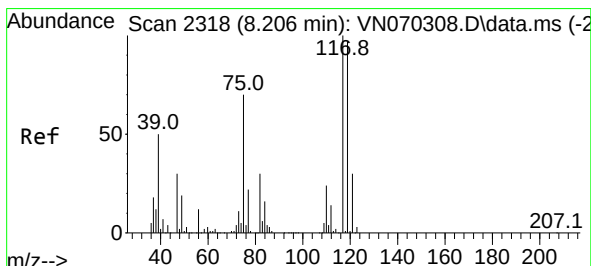
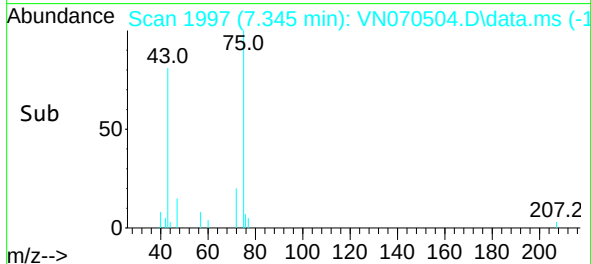
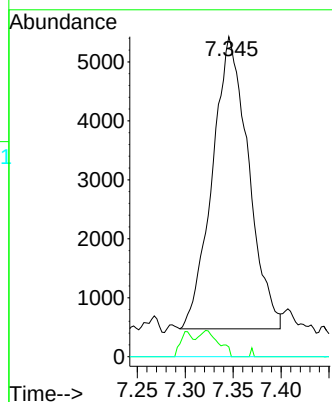


#37
Ethyl Acetate
Concen: 0.653 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.067 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Instrument :
MSVOA_N
ClientSampleId :

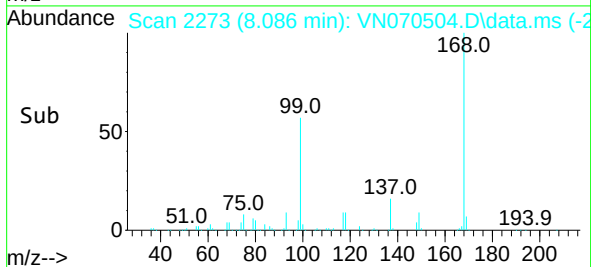
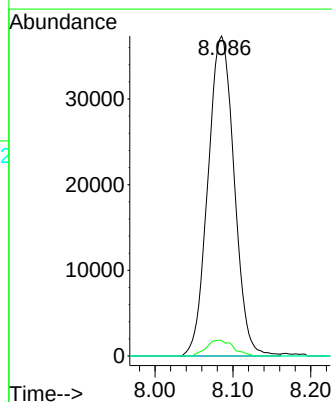
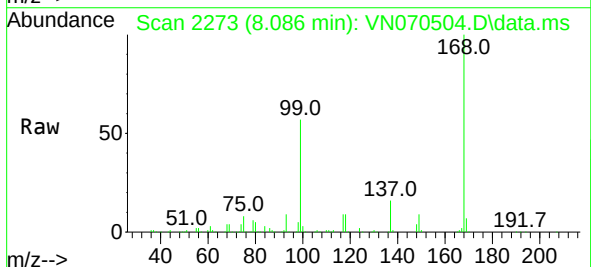


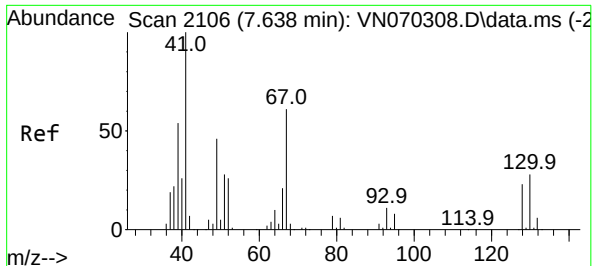
Tgt Ion: 43 Resp: 13030
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

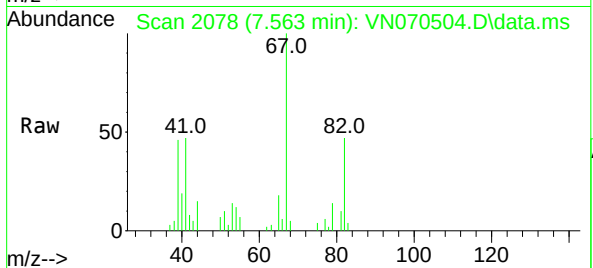
Tgt Ion: 117 Resp: 87427
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



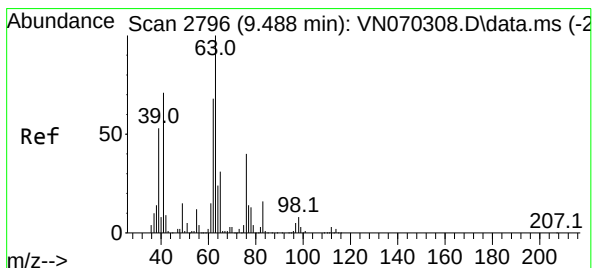
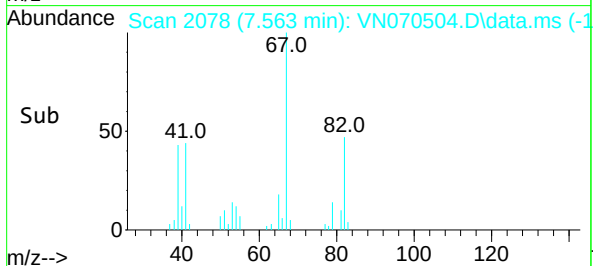
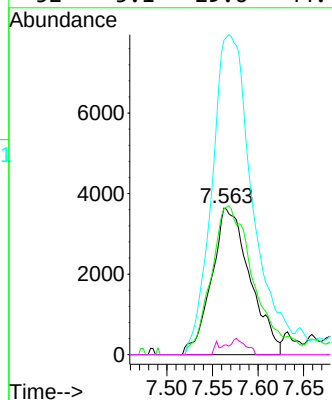


#41
Methacrylonitrile
Concen: 1.069 ug/l
RT: 7.563 min Scan# 2106
Delta R.T. -0.075 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Instrument :
MSVOA_N
ClientSampleId :

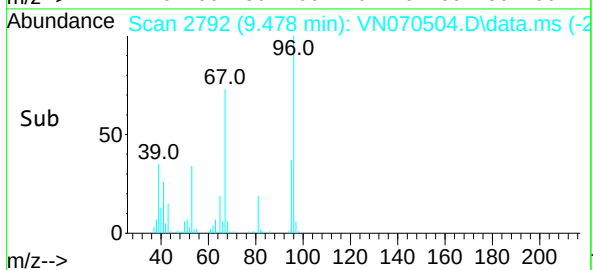
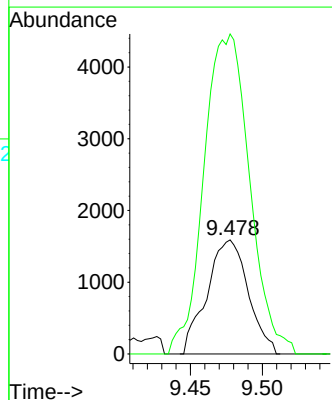
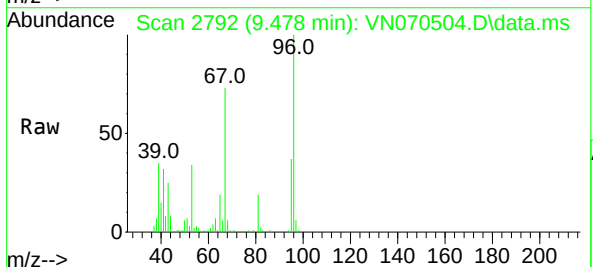


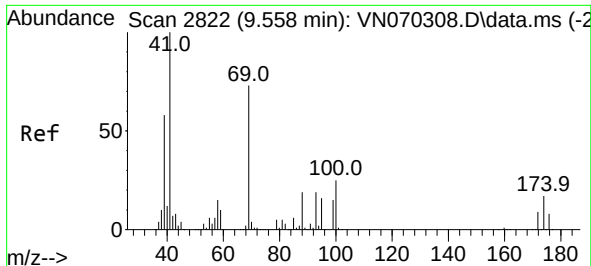
Tgt Ion: 41	Resp: 10664
Ion Ratio	Lower Upper
41 100	
39 109.7	48.1 72.1#
67 230.1	68.3 102.5#
52 5.1	29.6 44.4#



#45
1,2-Dichloropropane
Concen: 0.250 ug/l
RT: 9.478 min Scan# 2792
Delta R.T. -0.010 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

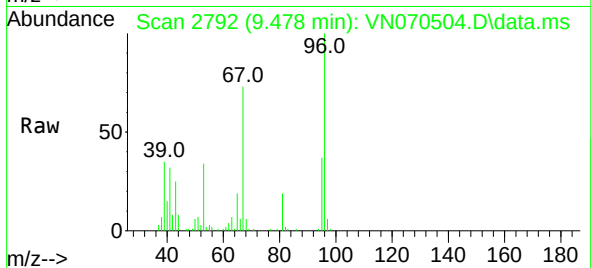
Tgt Ion: 63	Resp: 3169		
Ion Ratio	Lower	Upper	
63 100			
65 264.4	24.7	37.1#	



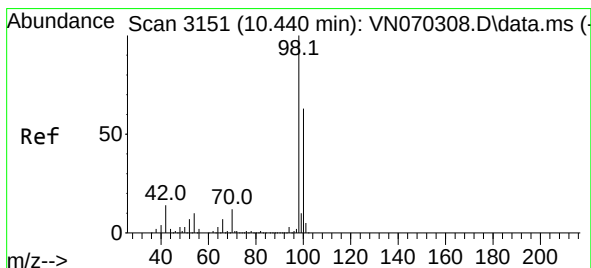
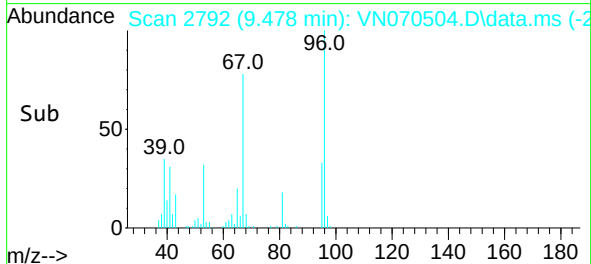
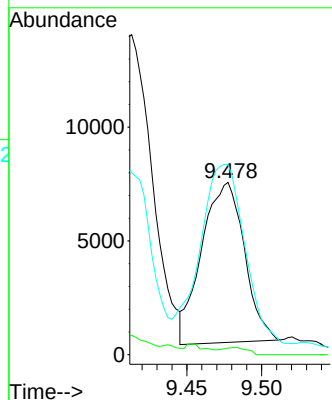


#48
Methyl methacrylate
Concen: 0.931 ug/l
RT: 9.478 min Scan# 21
Delta R.T. -0.080 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Instrument :
MSVOA_N
ClientSampleId :

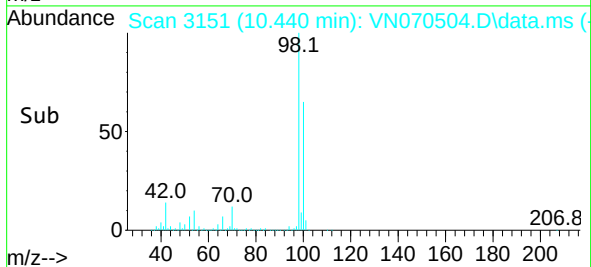
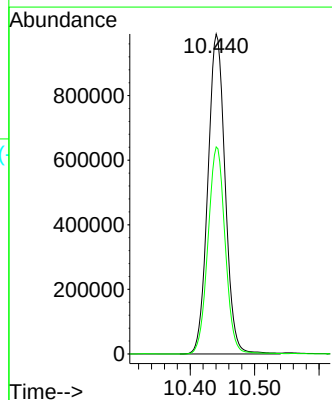
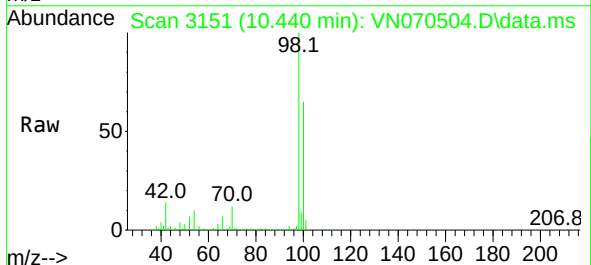


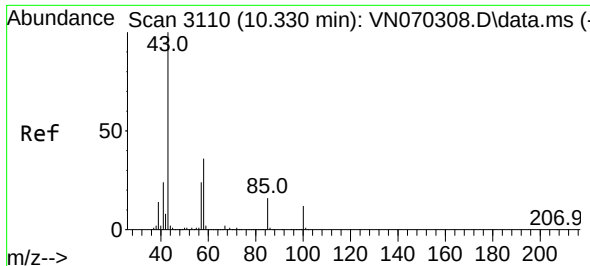
Tgt Ion: 41 Resp: 13966
Ion Ratio Lower Upper
41 100
69 2.4 72.4 108.6#
39 118.1 58.4 87.6#



#50
Toluene-d8
Concen: 48.507 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Tgt Ion: 98 Resp: 1842950
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.591 ug/l

RT: 10.328 min Scan# 31

Delta R.T. -0.002 min MSVOA_N

Lab File: VN070504.D

Acq: 5 Jan 2022 21:26

Instrument :

MSVOA_N

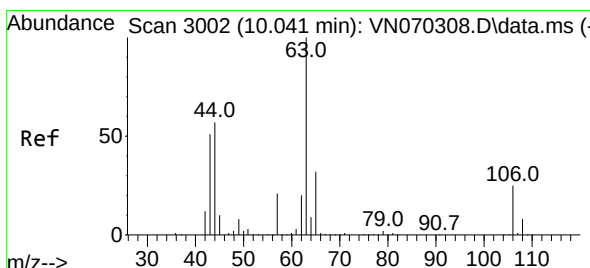
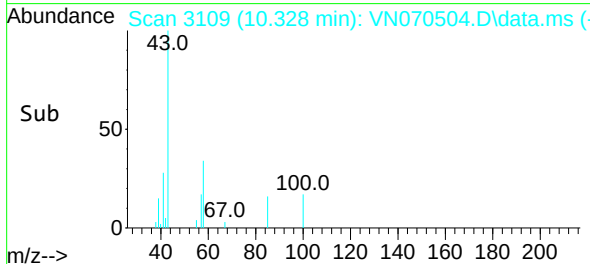
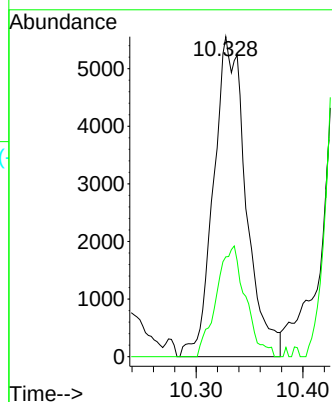
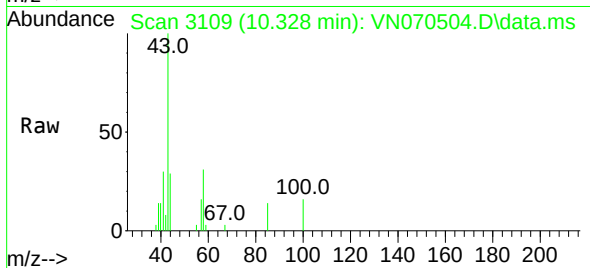
ClientSampleId :

Tgt Ion: 43 Resp: 11678

Ion Ratio Lower Upper

43 100

58 31.2 30.4 45.6



#58

2-Chloroethyl Vinyl ether

Concen: 18.541 ug/l

RT: 9.947 min Scan# 2967

Delta R.T. -0.094 min

Lab File: VN070504.D

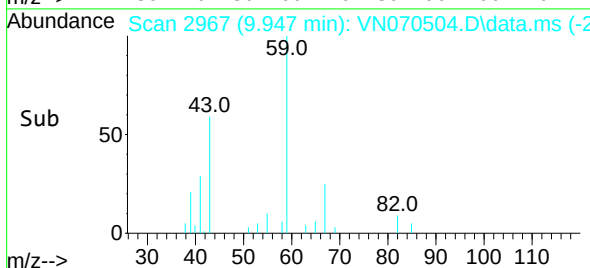
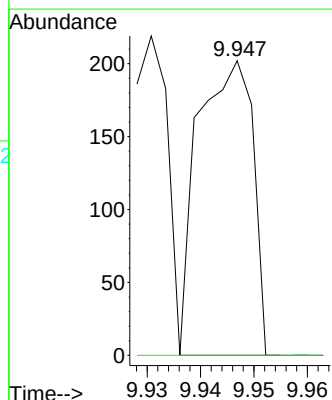
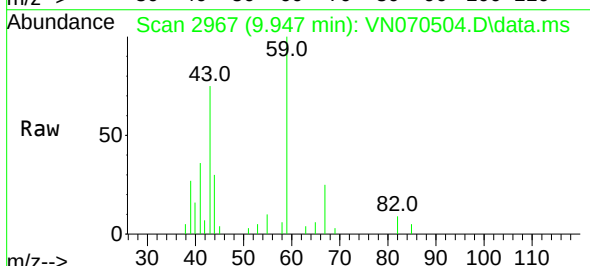
Acq: 5 Jan 2022 21:26

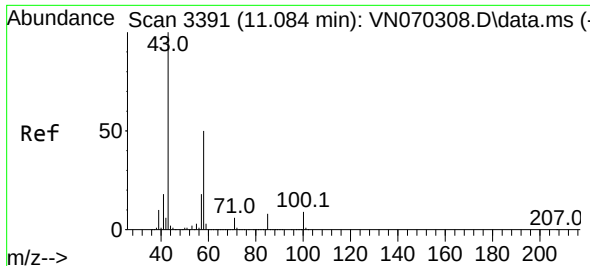
Tgt Ion: 63 Resp: 144

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

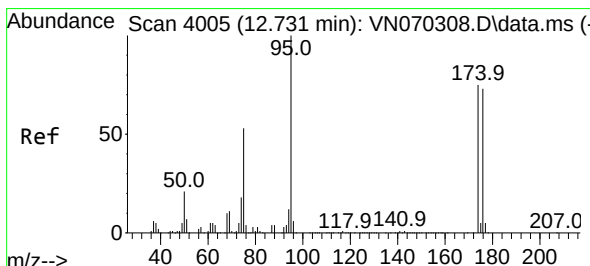
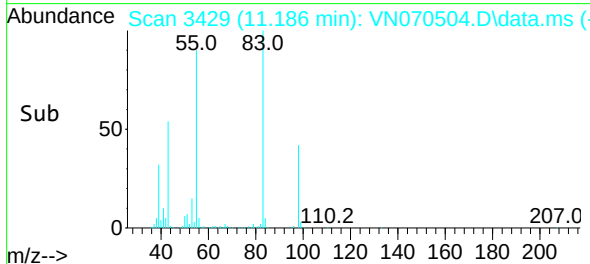
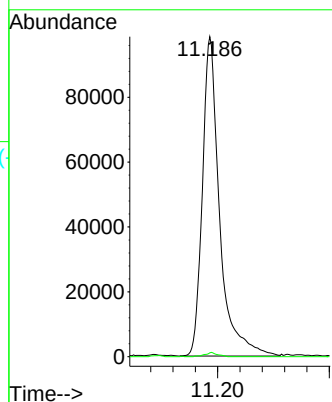
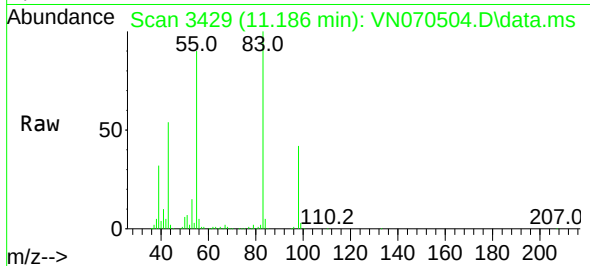




#59
2-Hexanone
Concen: 14.647 ug/l
RT: 11.186 min Scan# 34
Delta R.T. 0.102 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

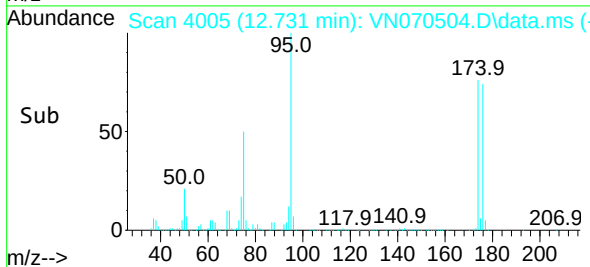
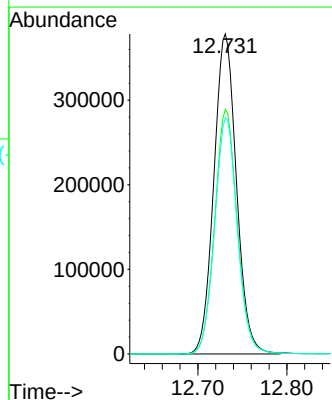
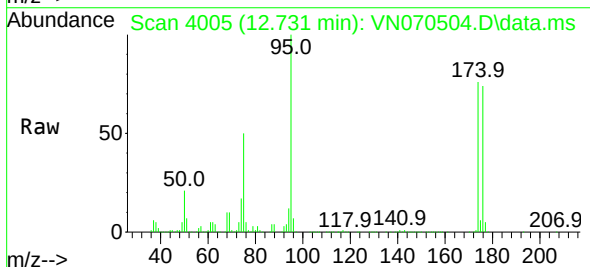
Instrument :
MSVOA_N
ClientSampleId :

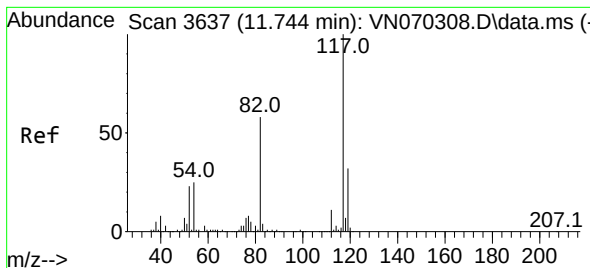
Tgt Ion: 43 Resp: 211036
Ion Ratio Lower Upper
43 100
58 1.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.645 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Tgt Ion: 95 Resp: 667517
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.9 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.000 min

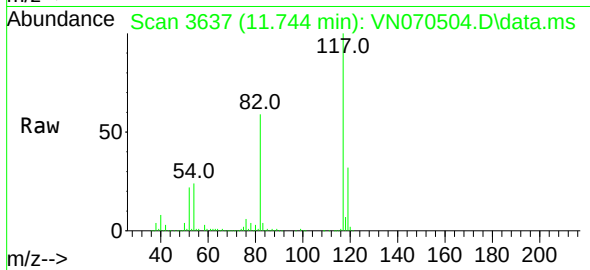
Lab File: VN070504.D

Acq: 5 Jan 2022 21:26

Instrument :

MSVOA_N

ClientSampleId :



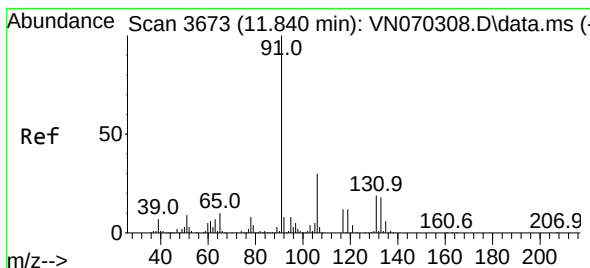
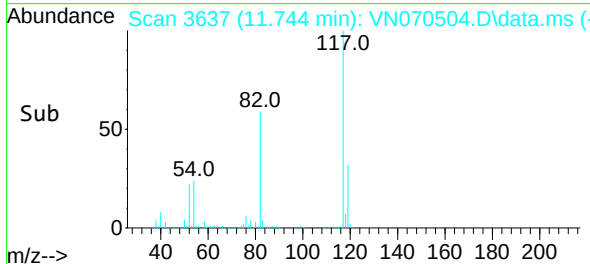
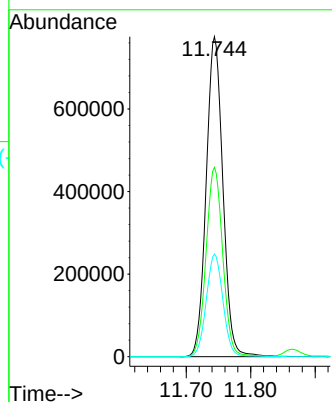
Tgt Ion:117 Resp: 1393890

Ion Ratio Lower Upper

117 100

82 59.2 42.4 63.6

119 32.1 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 0.324 ug/l

RT: 11.862 min Scan# 3681

Delta R.T. 0.022 min

Lab File: VN070504.D

Acq: 5 Jan 2022 21:26

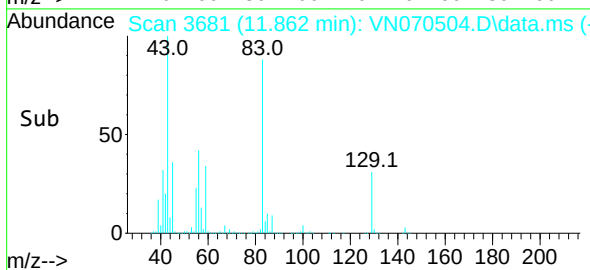
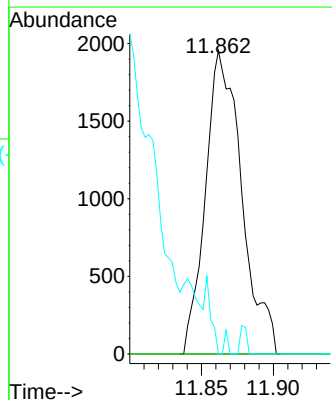
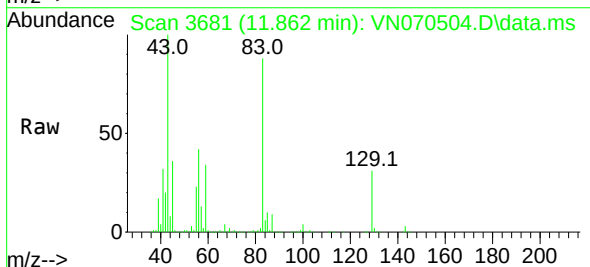
Tgt Ion:131 Resp: 3419

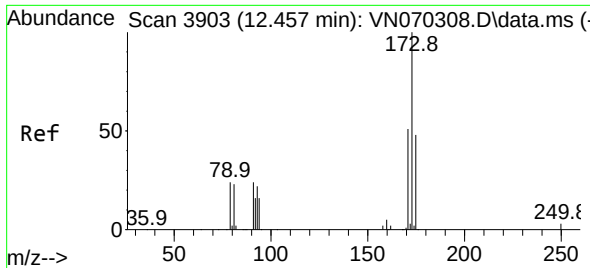
Ion Ratio Lower Upper

131 100

133 0.0 47.9 143.7#

119 0.0 32.1 96.5#

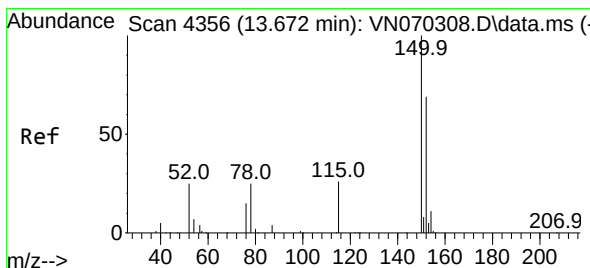
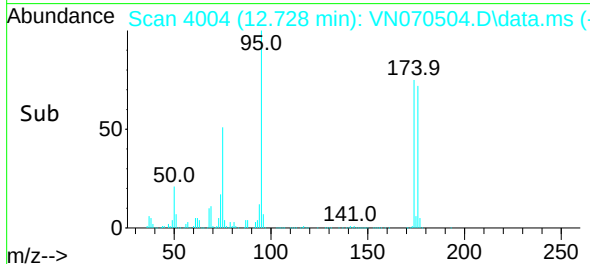
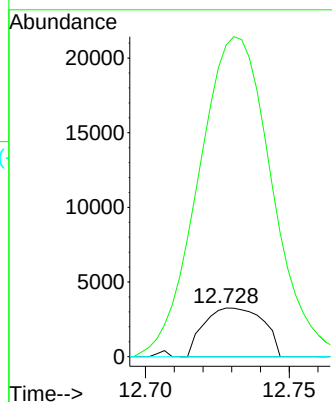
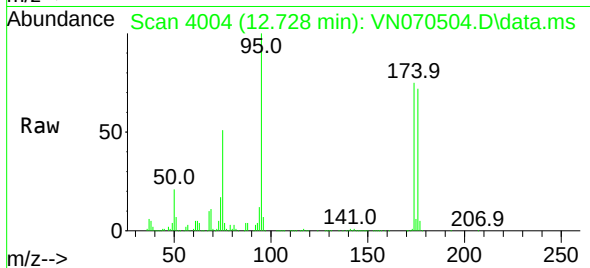




#71
Bromoform
Concen: 0.596 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.271 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

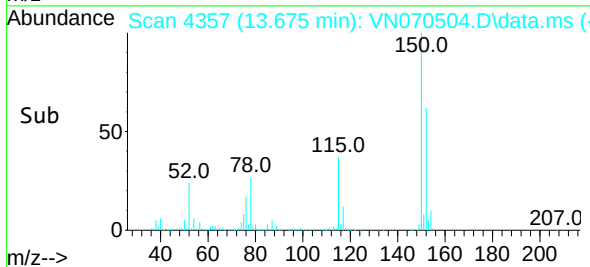
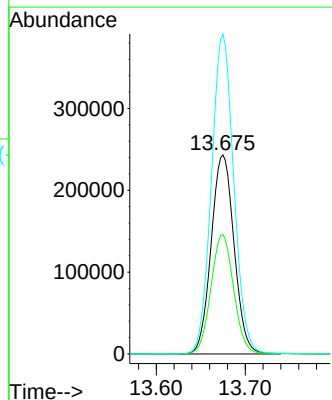
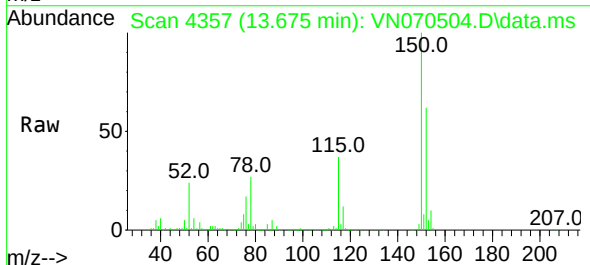
Instrument :
MSVOA_N
ClientSampleId :

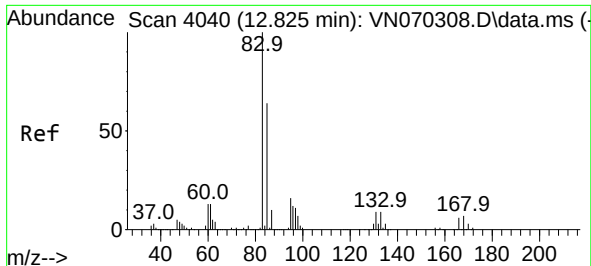
Tgt Ion:173 Resp: 4669
Ion Ratio Lower Upper
173 100
175 751.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Tgt Ion:152 Resp: 435835
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.5
150 156.9 0.0 344.4

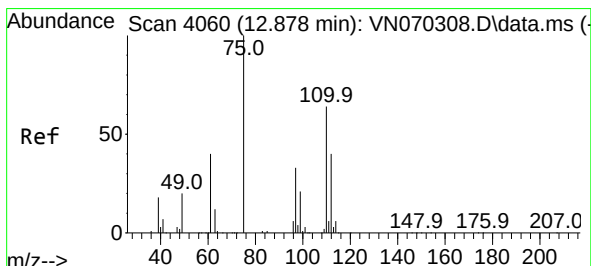
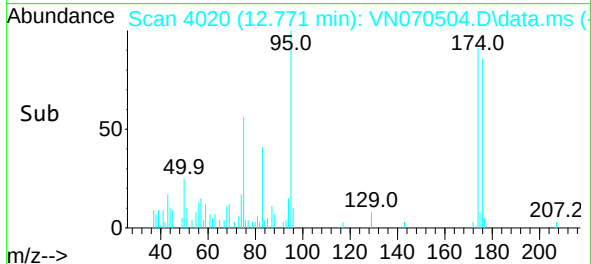
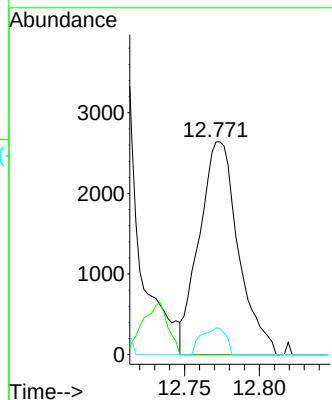
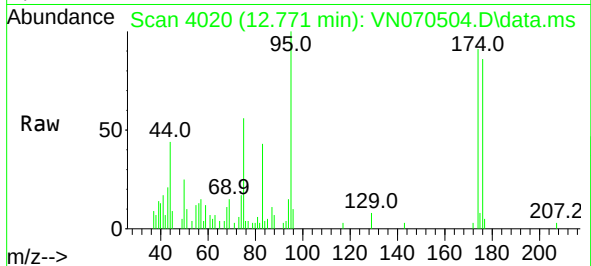




#75
1,1,2,2-Tetrachloroethane
Concen: 0.770 ug/l
RT: 12.771 min Scan# 4005
Delta R.T. -0.054 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

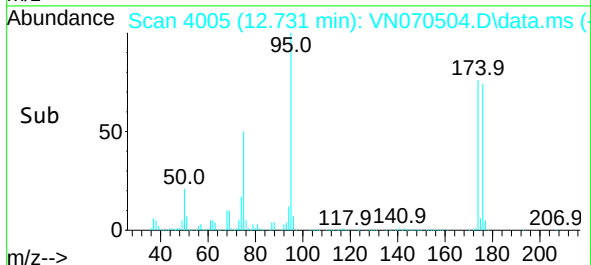
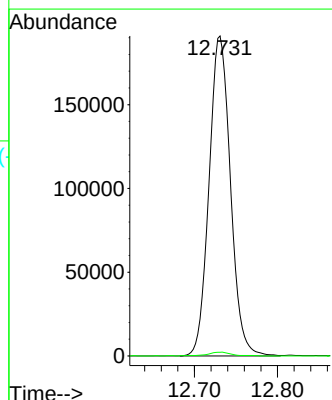
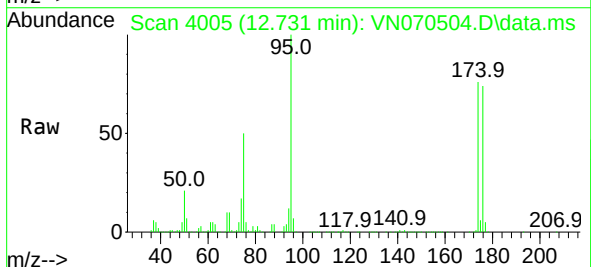
Instrument :
MSVOA_N
ClientSampleId :

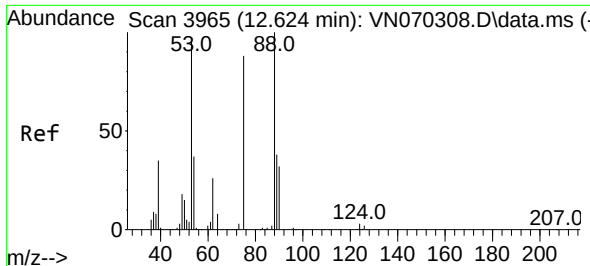
Tgt Ion: 83 Resp: 4795
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 7.9 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.778 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

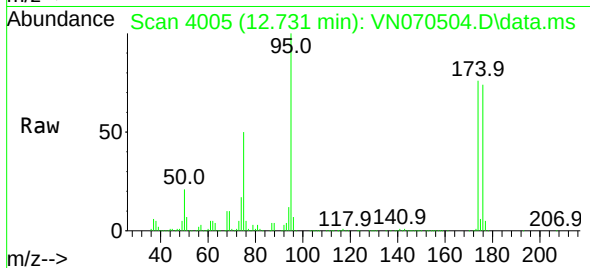
Tgt Ion: 75 Resp: 341837
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



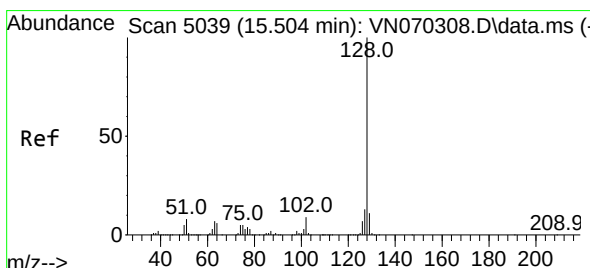
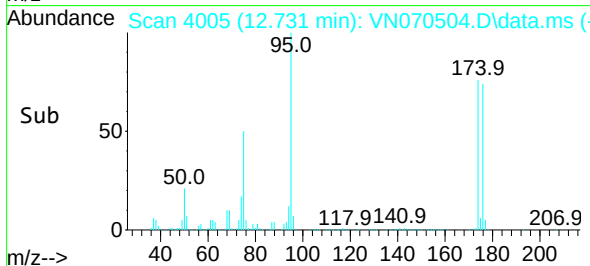
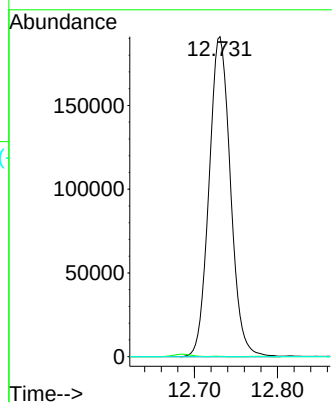


#81
trans-1,4-Dichloro-2-butene
Concen: 95.827 ug/l
RT: 12.731 min Scan# 40
Delta R.T. 0.107 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

Instrument :
MSVOA_N
ClientSampleId :

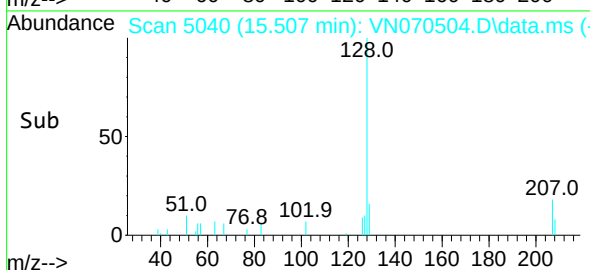
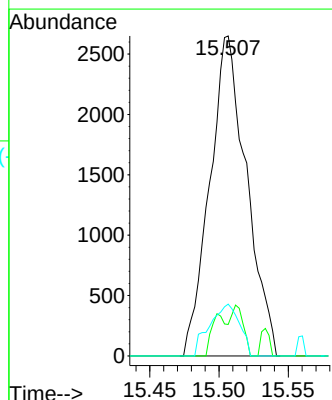
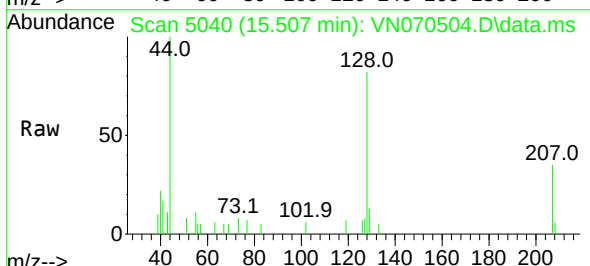


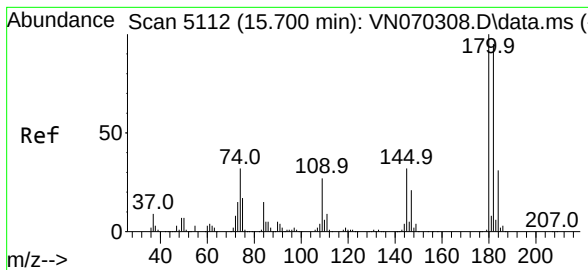
Tgt Ion: 75 Resp: 341837
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.035 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070504.D
Acq: 5 Jan 2022 21:26

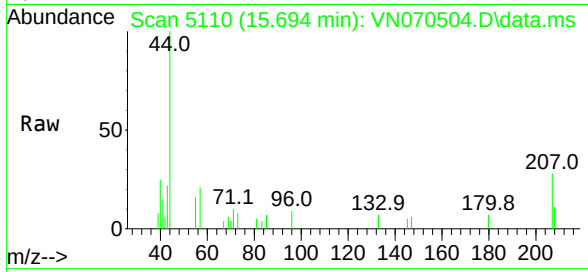
Tgt Ion:128 Resp: 4901
Ion Ratio Lower Upper
128 100
127 5.1 10.5 15.7#
129 13.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.850 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN070504.D
 Acq: 5 Jan 2022 21:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	165
Ion	Ratio	Lower	Upper
180	100		
182	143.6	47.4	142.2#
145	83.0	15.0	45.1#

