

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069570.D
 Acq On : 18 Nov 2021 23:50
 Operator : JC/MD
 Sample : VN1118WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 03:22:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

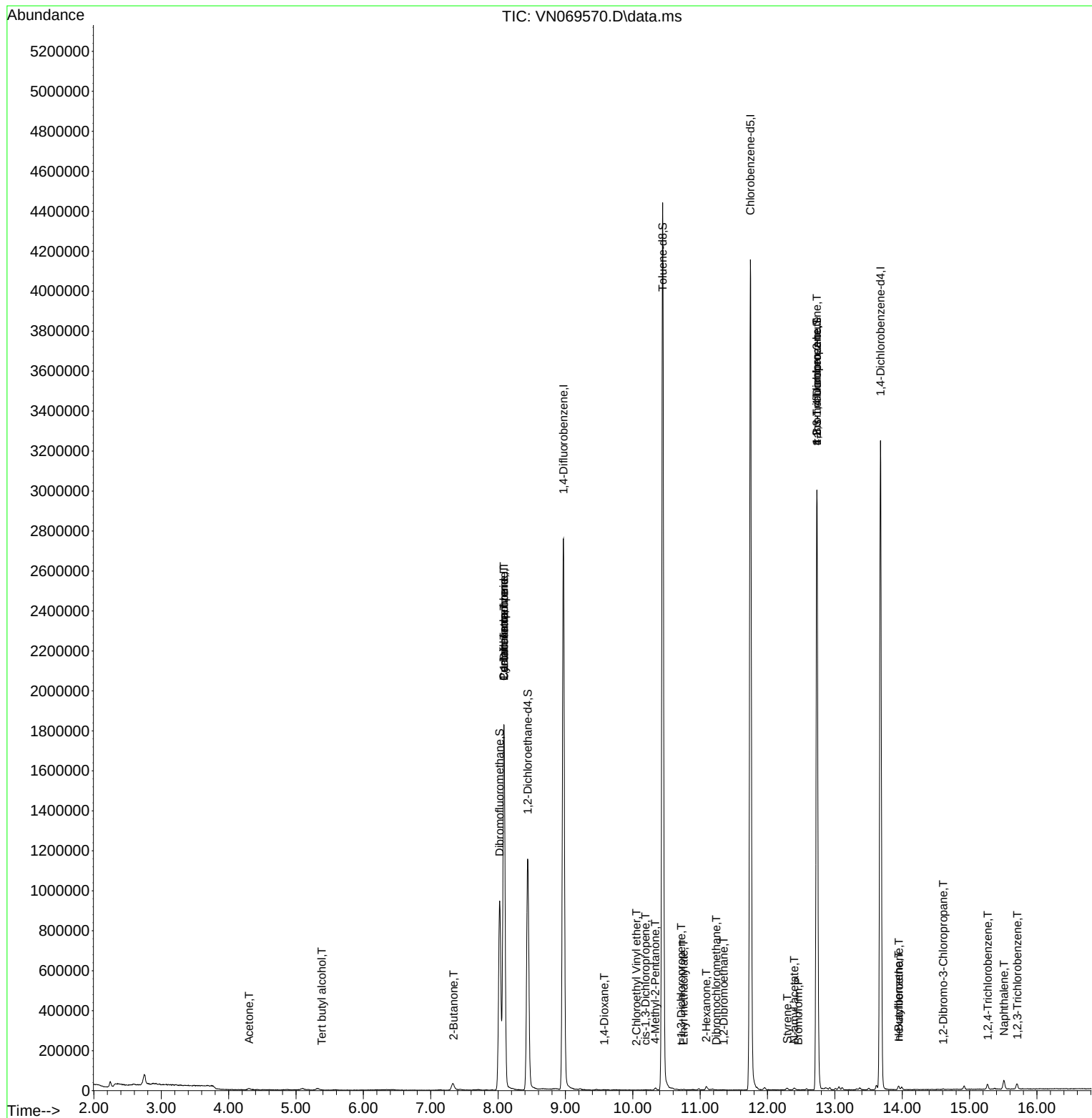
Internal Standards						
1) Pentafluorobenzene	8.088	168	1371272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2377758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2344527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	861891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	996303	50.109	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.220%	
35) Dibromofluoromethane	8.024	113	692815	48.582	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.160%	
50) Toluene-d8	10.443	98	3025991	53.951	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.900%	
62) 4-Bromofluorobenzene	12.734	95	1047425	50.835	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.382	59	760	0.212	ug/l #	71
13) Acrolein	4.041	56	310	Below Cal	#	1
16) Acetone	4.304	43	10022	0.934	ug/l #	89
25) 2-Butanone	7.340	43	2915	0.201	ug/l #	78
31) Cyclohexane	8.086	56	35763	1.317	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	115946	5.795	ug/l #	49
38) Carbon Tetrachloride	8.088	117	138356	7.163	ug/l #	16
49) 1,4-Dioxane	9.577	88	245	39.640	ug/l #	36
51) 4-Methyl-2-Pentanone	10.336	43	8892	0.317	ug/l #	83
53) t-1,3-Dichloropropene	10.719	75	860	2.670	ug/l #	75
54) cis-1,3-Dichloropropene	10.188	75	492	1.751	ug/l #	86
56) Ethyl methacrylate	10.754	69	1687	2.108	ug/l #	68
58) 2-Chloroethyl Vinyl ether	10.054	63	54	22.777	ug/l #	45
59) 2-Hexanone	11.092	43	14715	8.544	ug/l	87
60) Dibromochloromethane	11.240	129	50	2.420	ug/l #	11
61) 1,2-Dibromoethane	11.347	107	298	1.088	ug/l	83
70) Styrene	12.294	104	3419	1.583	ug/l	97
71) Bromoform	12.457	173	233	3.444	ug/l #	29
74) N-amyl acetate	12.396	43	6881	0.237	ug/l #	85
76) 1,2,3-Trichloropropane	12.734	75	588944	29.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	588944	83.723	ug/l #	5
89) n-Butylbenzene	13.946	91	10738	0.239	ug/l	92
90) Hexachloroethane	13.951	117	127	2.174	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.608	75	832	1.983	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.271	180	7734	3.648	ug/l	99
95) Naphthalene	15.509	128	39663	5.395	ug/l	100
96) 1,2,3-Trichlorobenzene	15.708	180	9658	3.867	ug/l	95

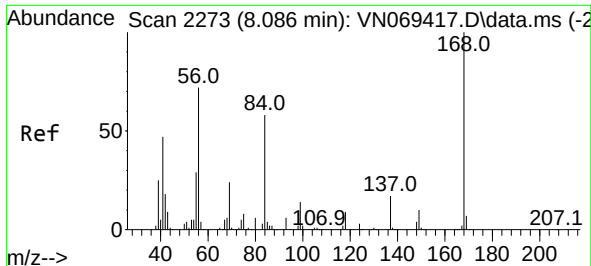
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
Data File : VN069570.D
Acq On : 18 Nov 2021 23:50
Operator : JC/MD
Sample : VN1118WBL02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 19 03:22:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration

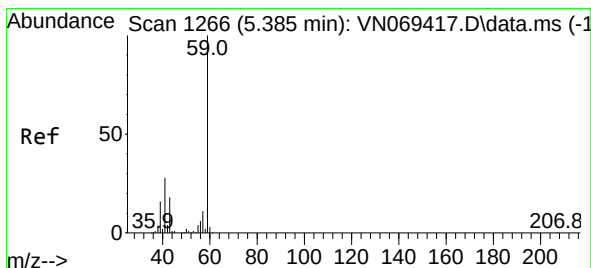
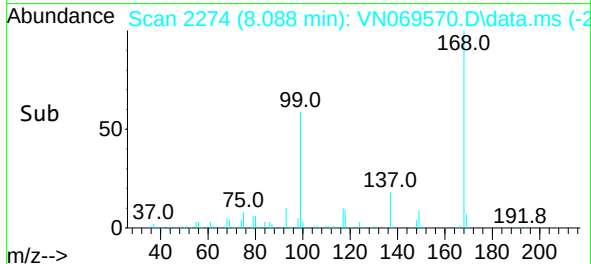
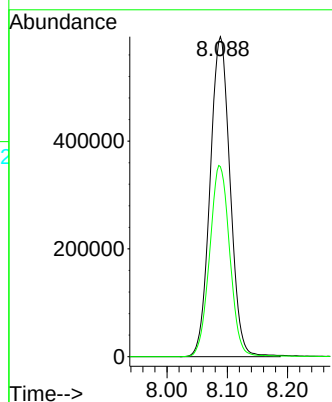
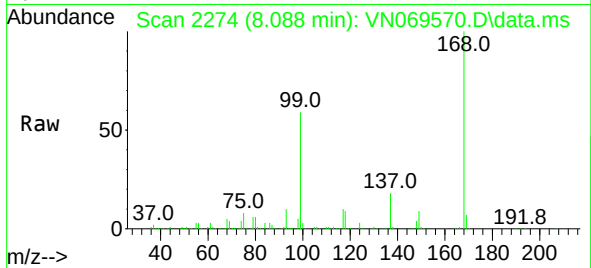




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

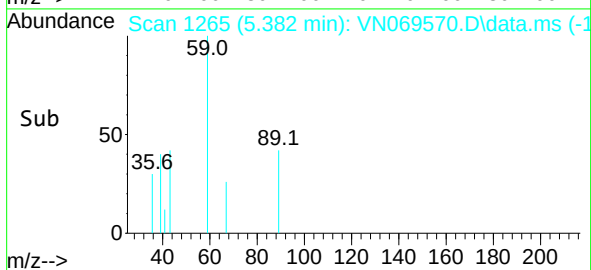
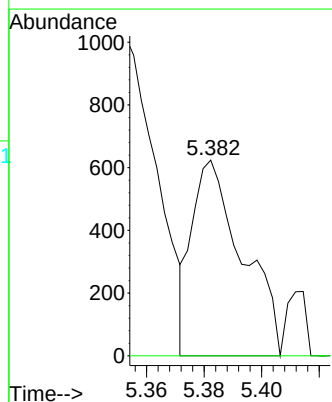
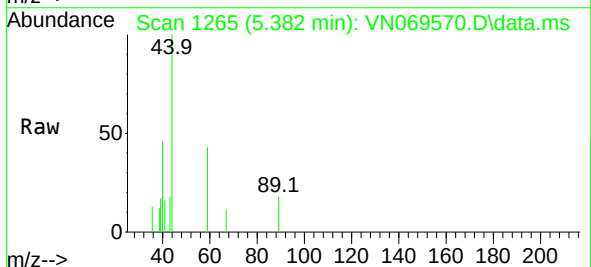
Instrument :
MSVOA_N
ClientSampleId :

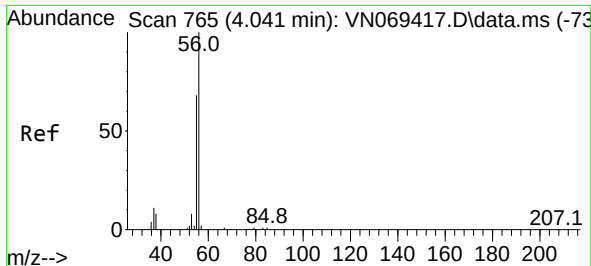
Tgt Ion:168 Resp: 1371272
Ion Ratio Lower Upper
168 100
99 59.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.212 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.003 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

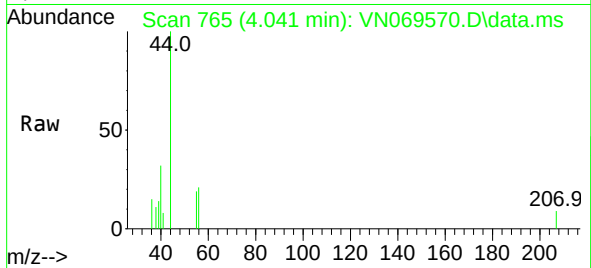
Tgt Ion: 59 Resp: 760
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



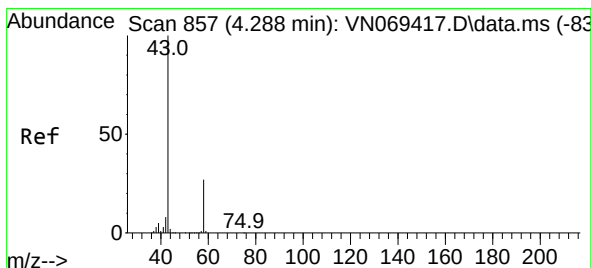
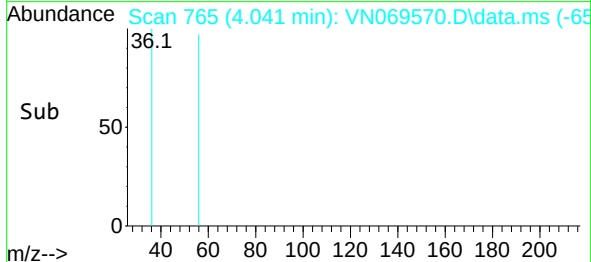
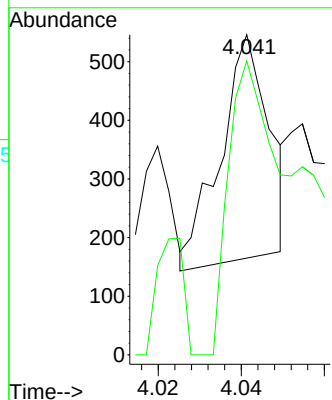


#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

Instrument :
MSVOA_N
ClientSampleId :

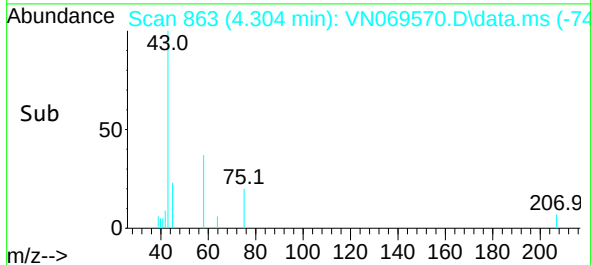
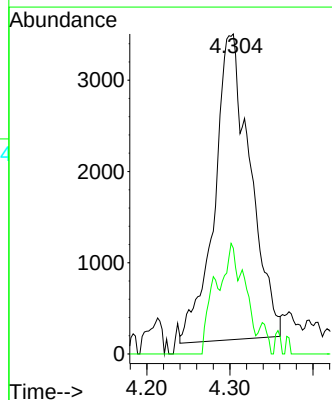
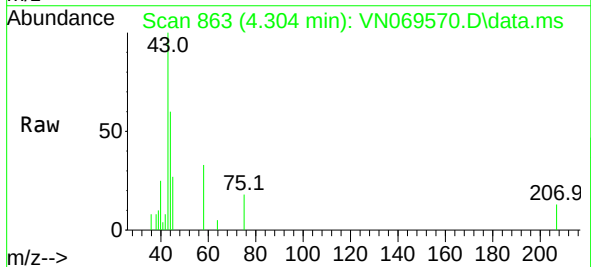


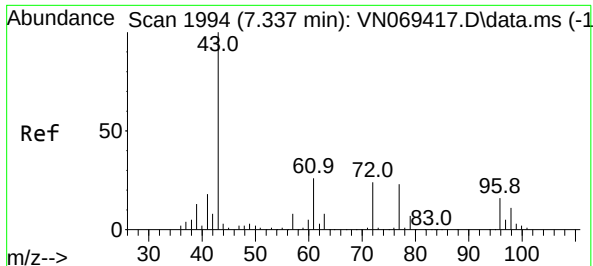
Tgt Ion: 56 Resp: 310
Ion Ratio Lower Upper
56 100
55 201.3 56.6 85.0#



#16
Acetone
Concen: 0.934 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

Tgt Ion: 43 Resp: 10022
Ion Ratio Lower Upper
43 100
58 35.0 23.1 34.7#





#25

2-Butanone

Concen: 0.201 ug/l

RT: 7.340 min Scan# 1994

Delta R.T. 0.003 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

Instrument :

MSVOA_N

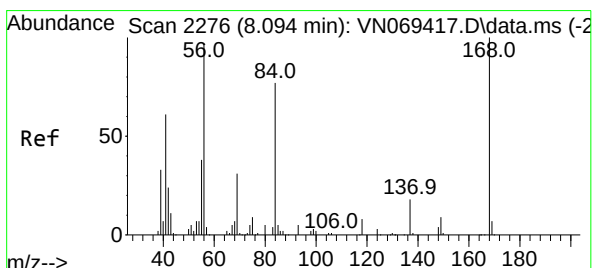
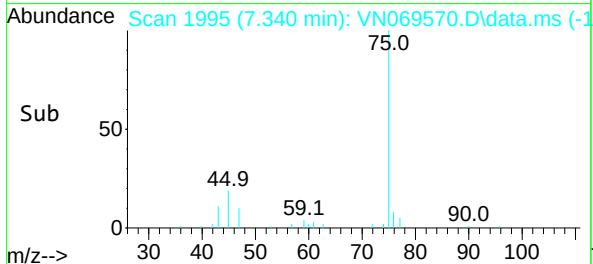
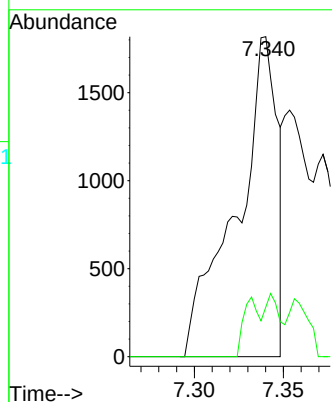
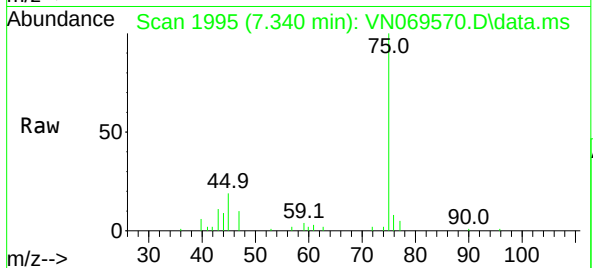
ClientSampleId :

Tgt Ion: 43 Resp: 2915

Ion Ratio Lower Upper

43 100

72 15.5 21.7 32.5#



#31

Cyclohexane

Concen: 1.317 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

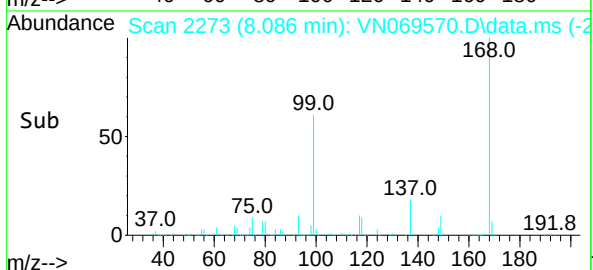
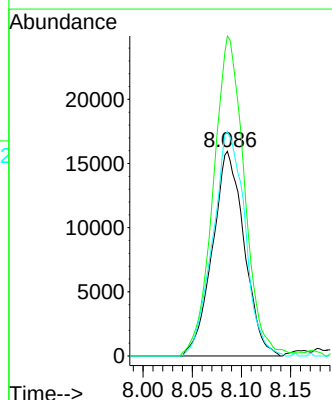
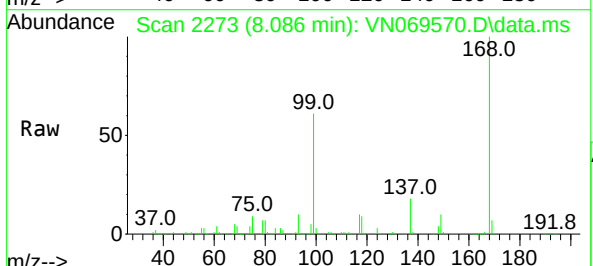
Tgt Ion: 56 Resp: 35763

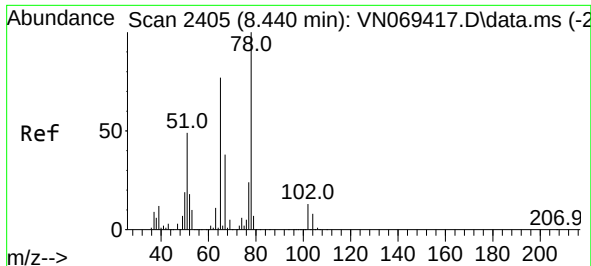
Ion Ratio Lower Upper

56 100

69 156.4 27.1 40.7#

84 109.6 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 50.109 ug/l

RT: 8.440 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

Instrument :

MSVOA_N

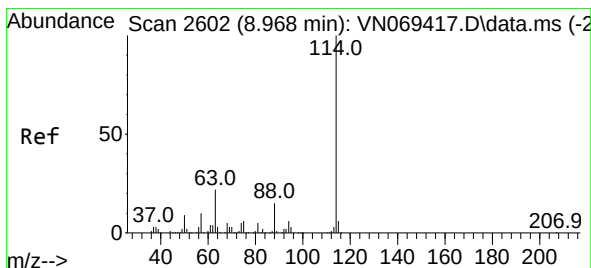
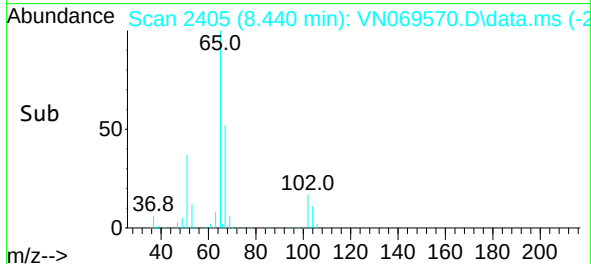
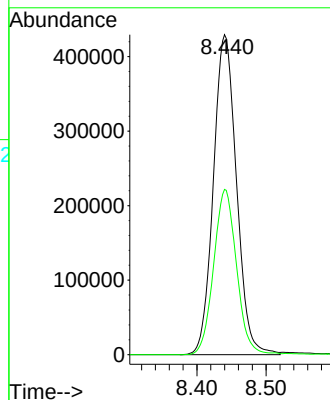
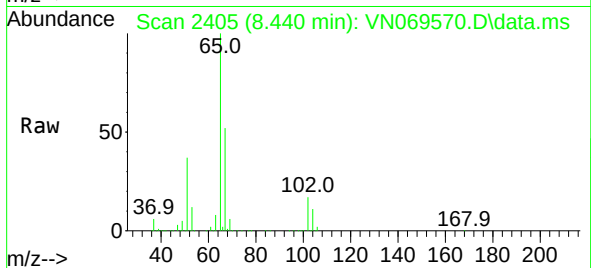
ClientSampleId :

Tgt Ion: 65 Resp: 996303

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

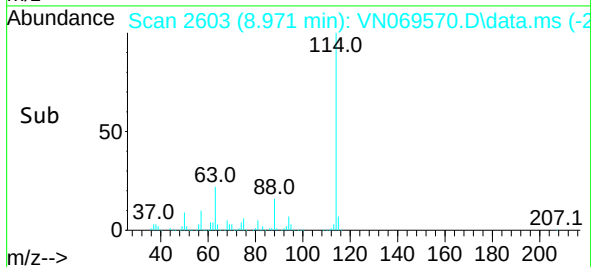
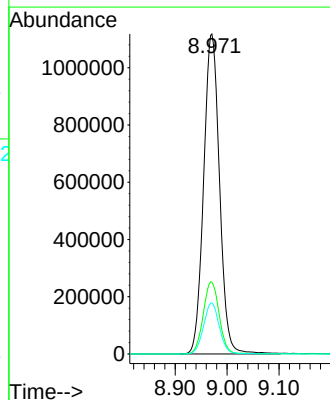
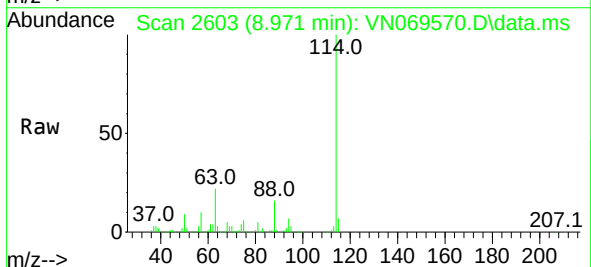
Tgt Ion: 114 Resp: 2377758

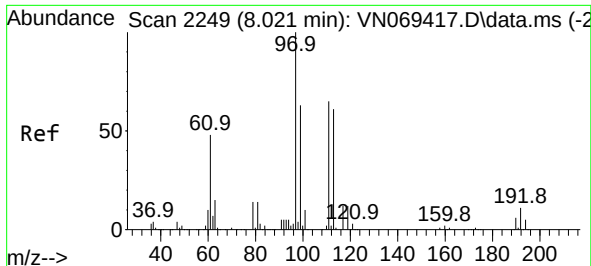
Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

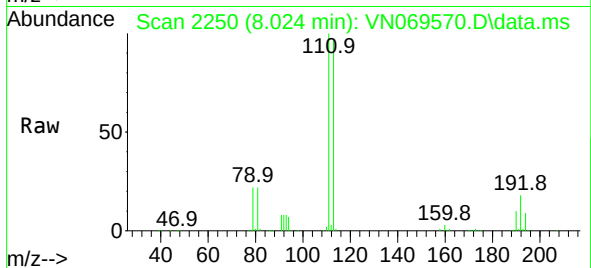
88 16.0 0.0 27.4



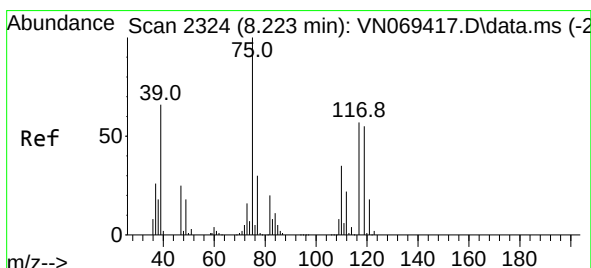
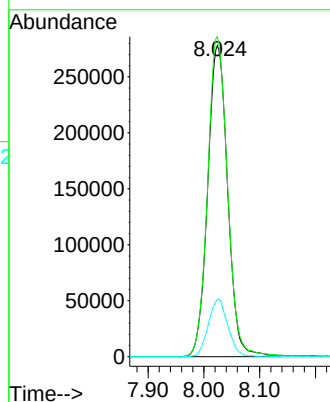
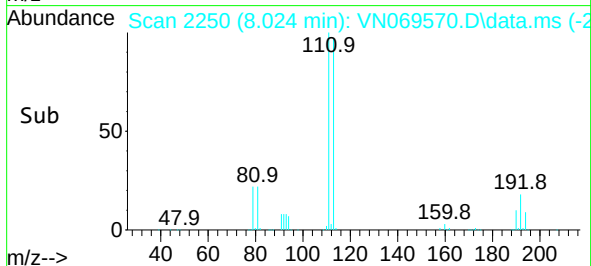


#35
 Dibromofluoromethane
 Concen: 48.582 ug/l
 RT: 8.024 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VN069570.D
 Acq: 18 Nov 2021 23:50

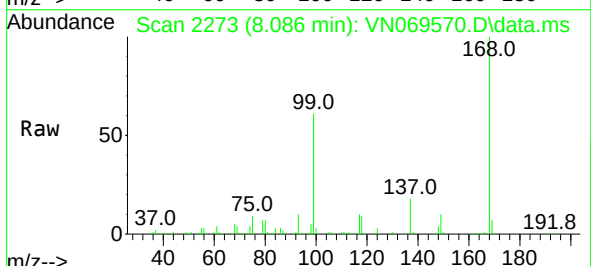
Instrument :
 MSVOA_N
 ClientSampleId :



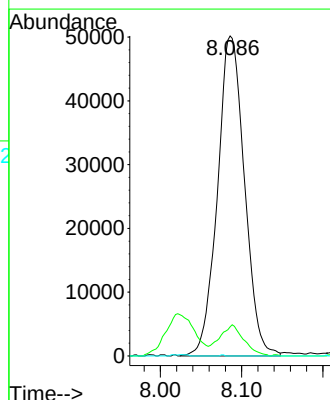
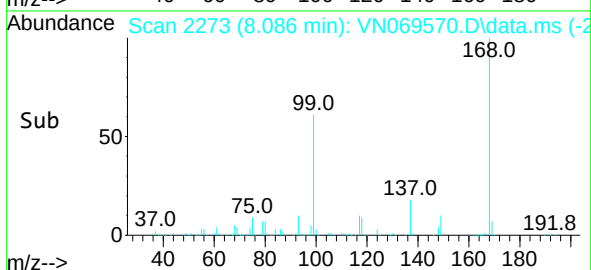
Tgt Ion:113 Resp: 692815
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 18.1 16.9 25.3

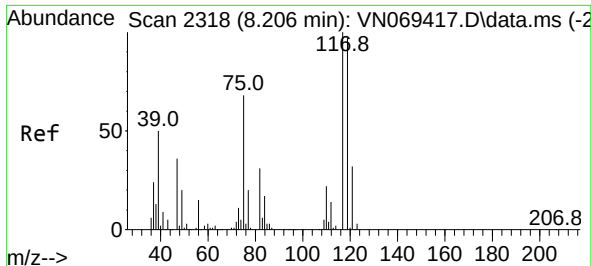


#36
 1,1-Dichloropropene
 Concen: 5.795 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN069570.D
 Acq: 18 Nov 2021 23:50



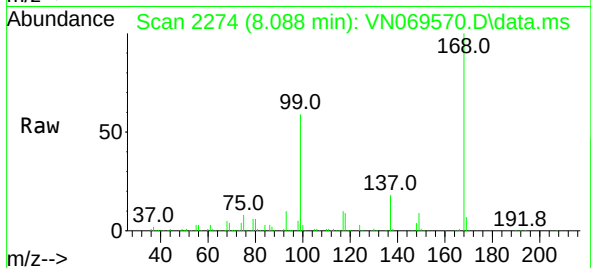
Tgt Ion: 75 Resp: 115946
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.1 24.4 36.6#



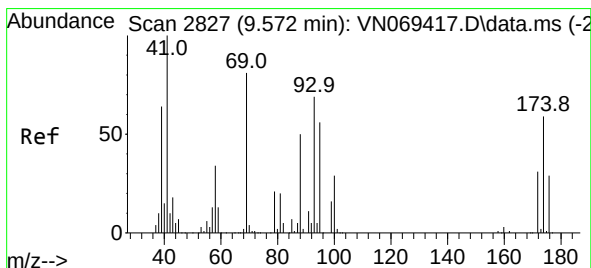
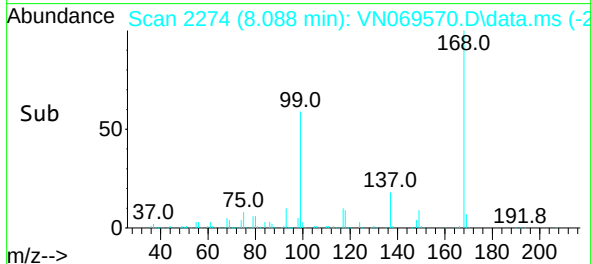
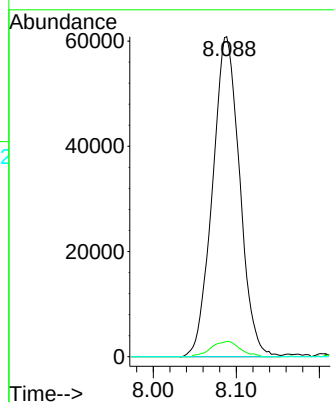


#38
Carbon Tetrachloride
Concen: 7.163 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

Instrument :
MSVOA_N
ClientSampleId :

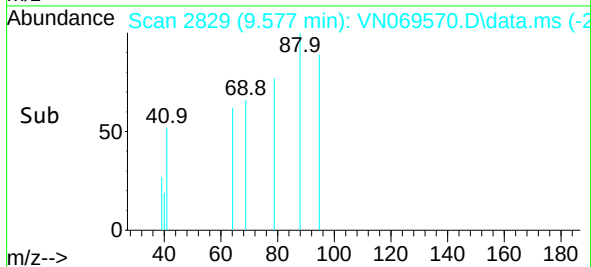
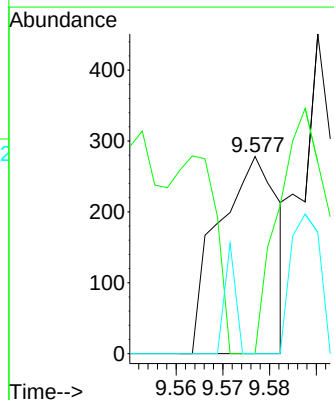
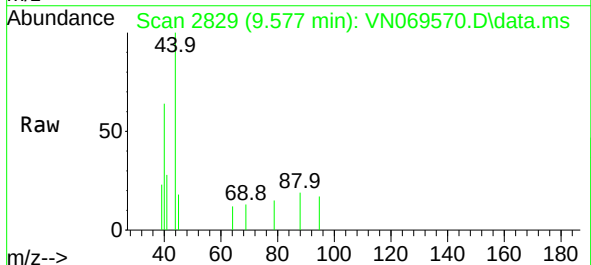


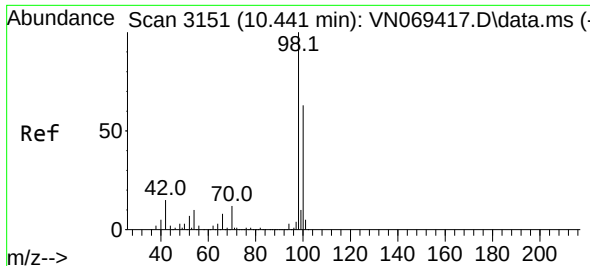
Tgt Ion:117 Resp: 138356
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.640 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.005 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

Tgt Ion: 88 Resp: 245
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 10.2 50.6 75.8#

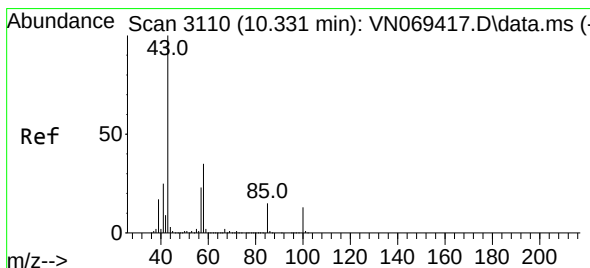
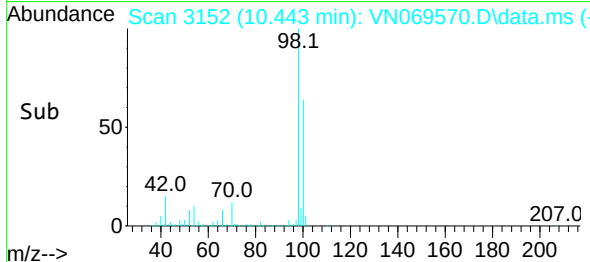
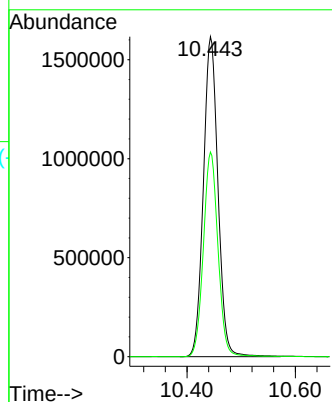
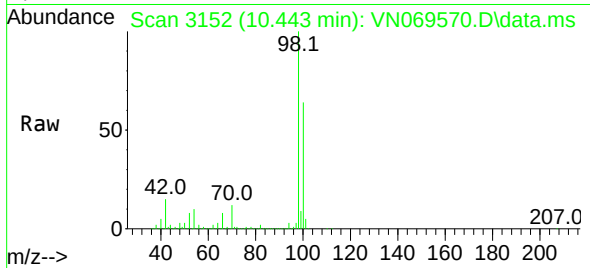




#50
Toluene-d8
Concen: 53.951 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

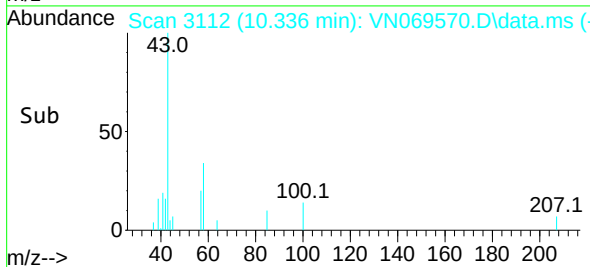
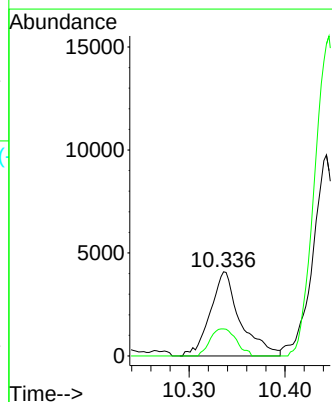
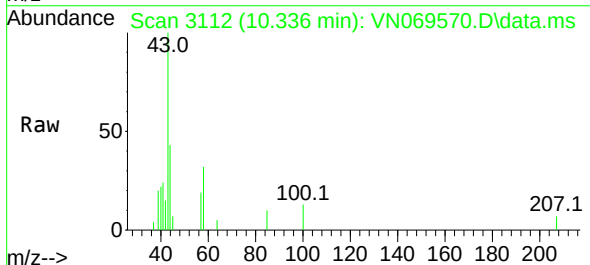
Instrument :
MSVOA_N
ClientSampleId :

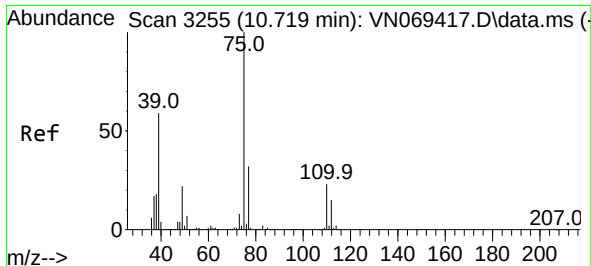
Tgt Ion: 98 Resp: 3025991
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.317 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

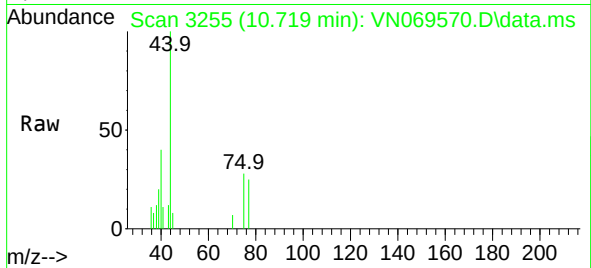
Tgt Ion: 43 Resp: 8892
Ion Ratio Lower Upper
43 100
58 27.9 30.4 45.6#



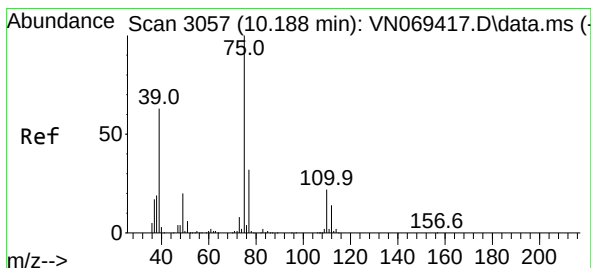
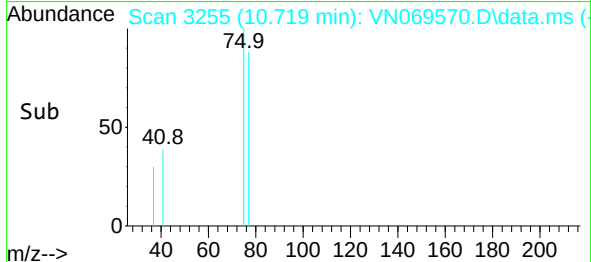
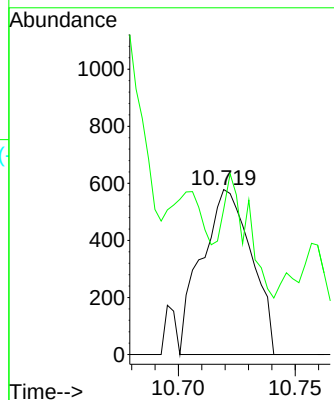


#53
 t-1,3-Dichloropropene
 Concen: 2.670 ug/l
 RT: 10.719 min Scan# 3255
 Delta R.T. 0.000 min
 Lab File: VN069570.D
 Acq: 18 Nov 2021 23:50

Instrument :
 MSVOA_N
 ClientSampleId :

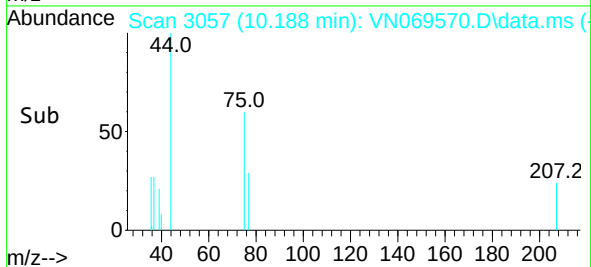
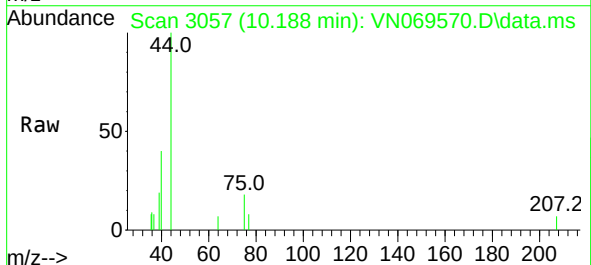
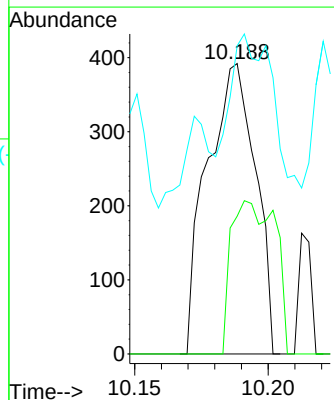


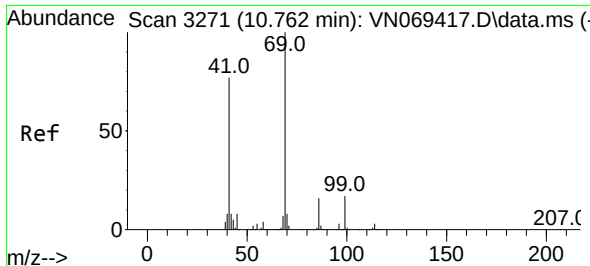
Tgt Ion: 75 Resp: 860
 Ion Ratio Lower Upper
 75 100
 77 45.7 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 1.751 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. 0.000 min
 Lab File: VN069570.D
 Acq: 18 Nov 2021 23:50

Tgt Ion: 75 Resp: 492
 Ion Ratio Lower Upper
 75 100
 77 47.4 26.4 39.6#
 39 48.0 42.5 63.7

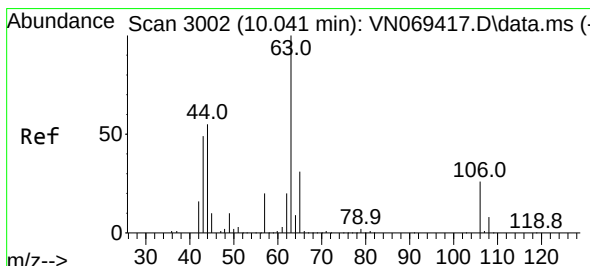
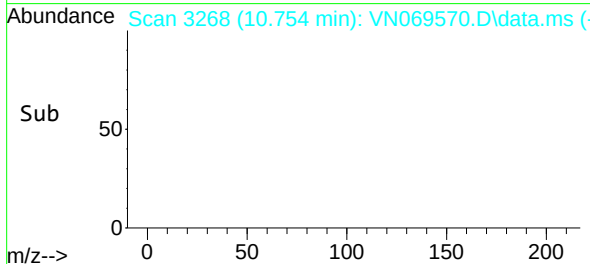
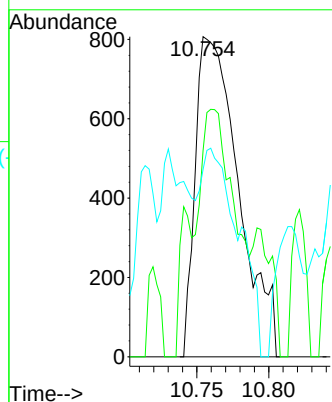
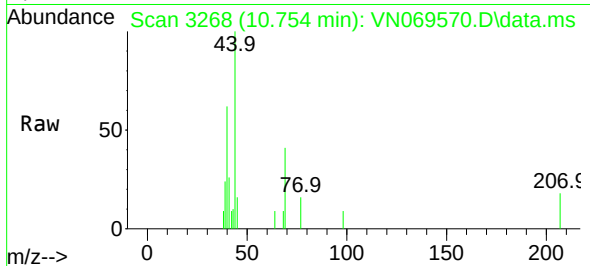




#56
Ethyl methacrylate
Concen: 2.108 ug/l
RT: 10.754 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

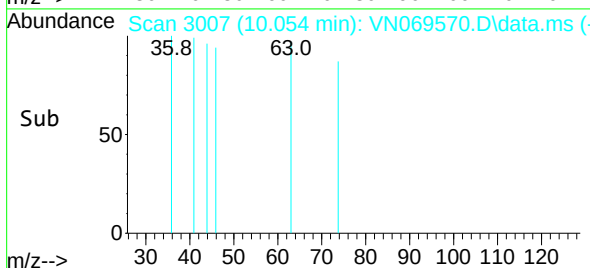
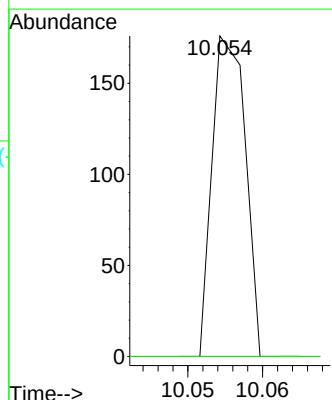
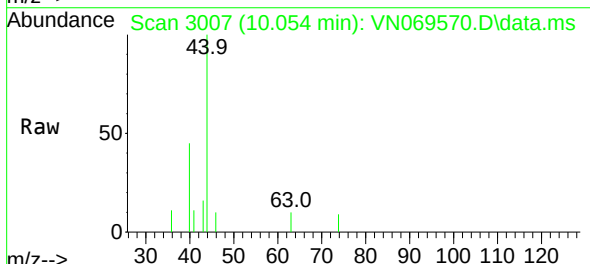
Instrument :
MSVOA_N
ClientSampleId :

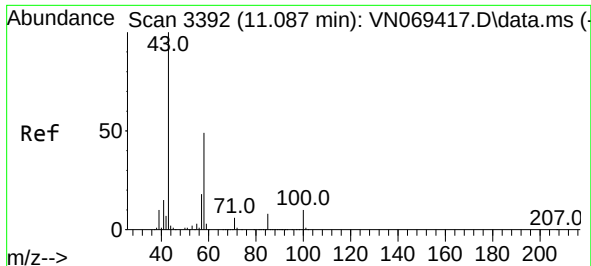
Tgt Ion: 69 Resp: 1687
Ion Ratio Lower Upper
69 100
41 31.3 51.4 77.0#
39 53.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 22.777 ug/l
RT: 10.054 min Scan# 3007
Delta R.T. 0.013 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

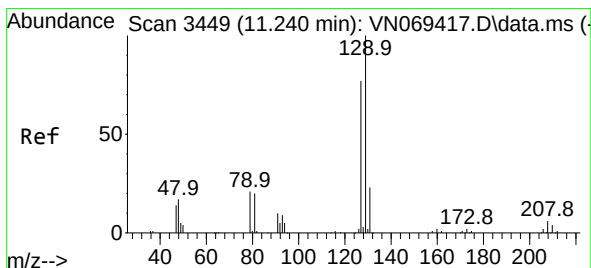
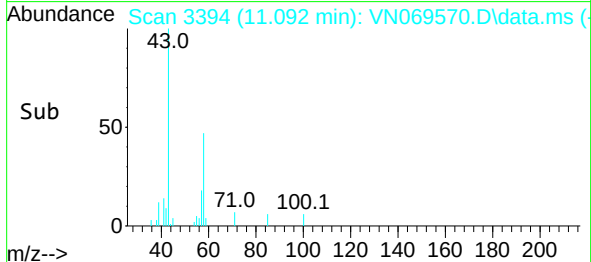
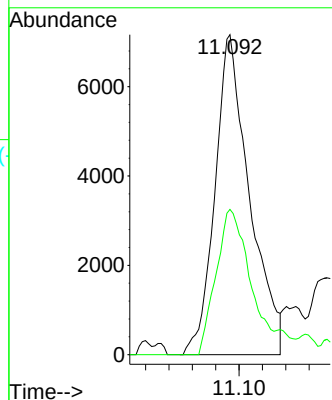
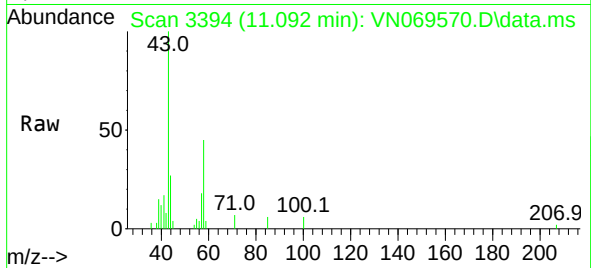




#59
2-Hexanone
Concen: 8.544 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

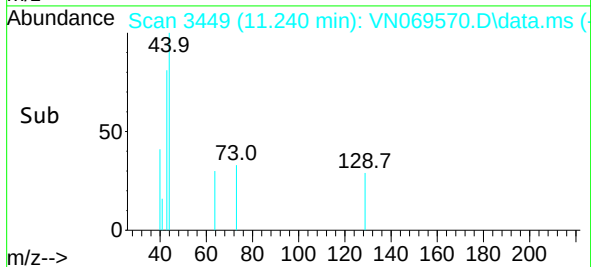
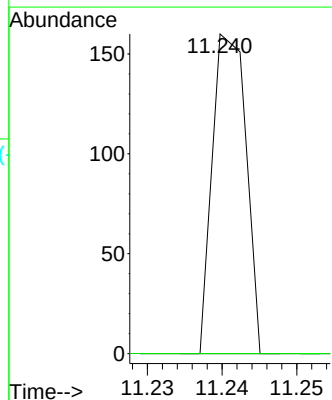
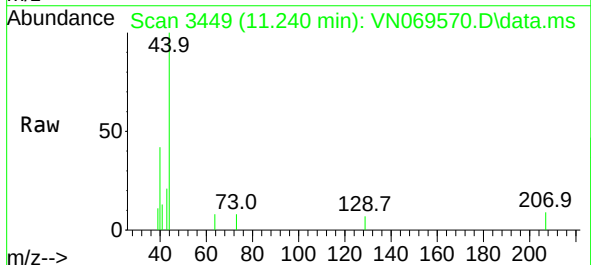
Instrument :
MSVOA_N
ClientSampleId :

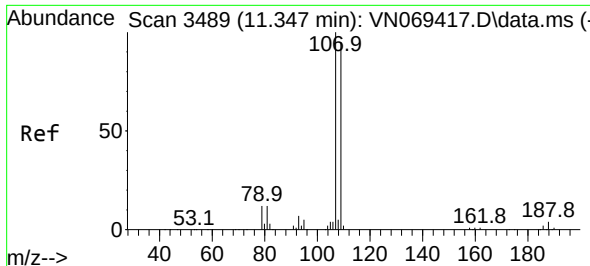
Tgt Ion: 43 Resp: 14715
Ion Ratio Lower Upper
43 100
58 44.6 26.9 80.7



#60
Dibromochloromethane
Concen: 2.420 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

Tgt Ion: 129 Resp: 50
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

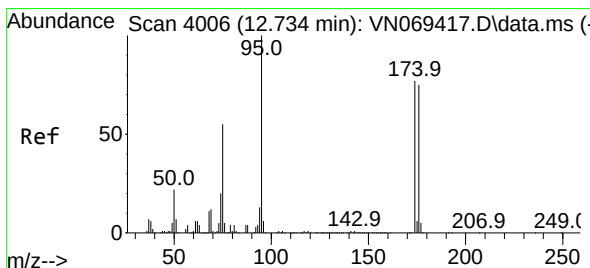
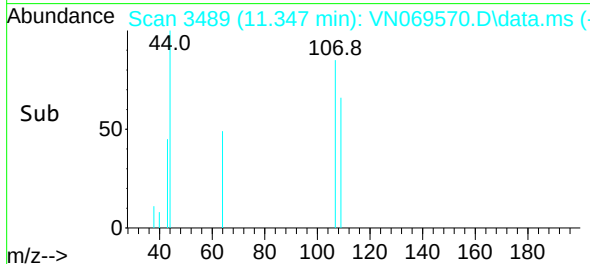
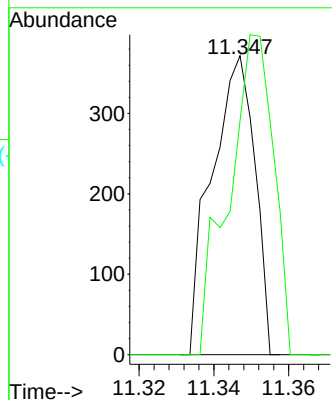
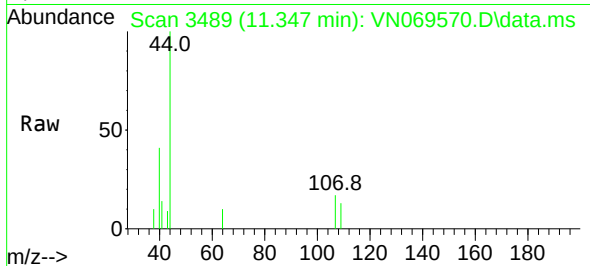




#61
1,2-Dibromoethane
Concen: 1.088 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.000 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

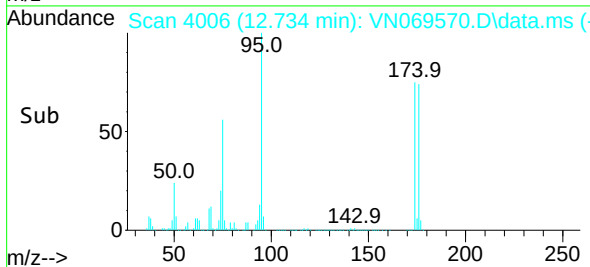
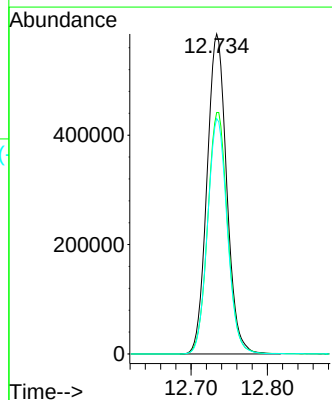
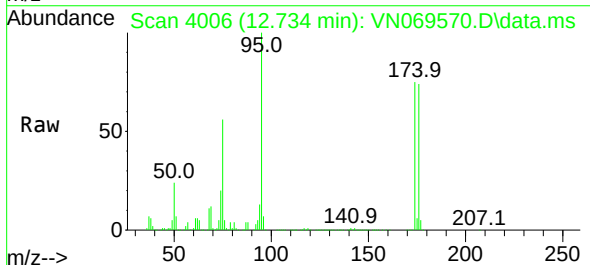
Instrument :
MSVOA_N
ClientSampleId :

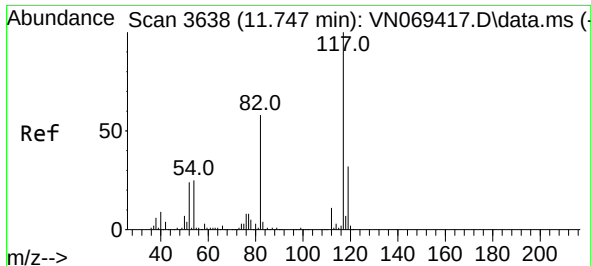
Tgt Ion:107 Resp: 298
Ion Ratio Lower Upper
107 100
109 111.1 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 50.835 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

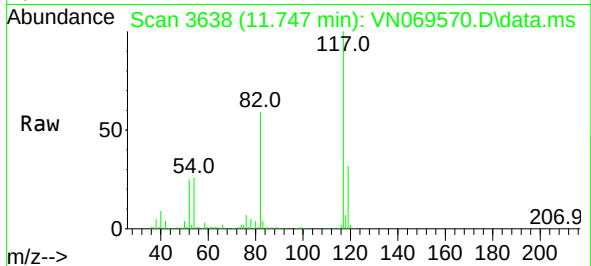
Tgt Ion: 95 Resp: 1047425
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.8 0.0 181.4



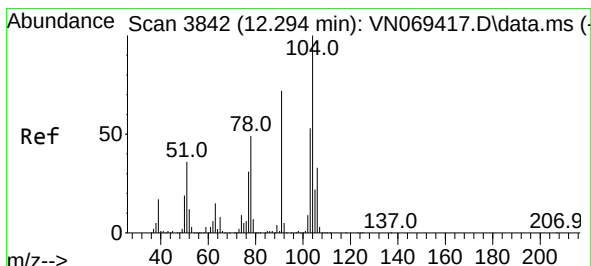
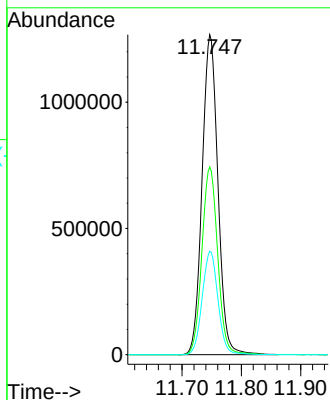
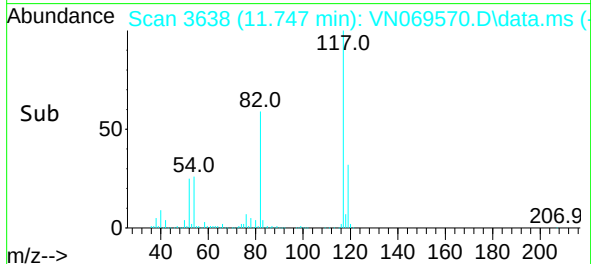


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

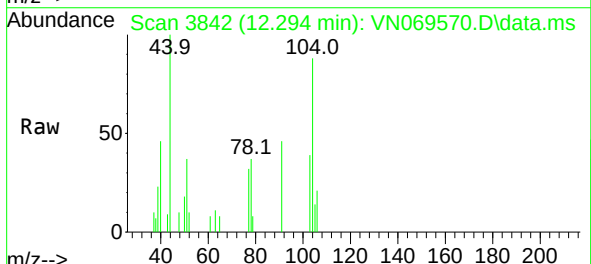
Instrument :
MSVOA_N
ClientSampleId :



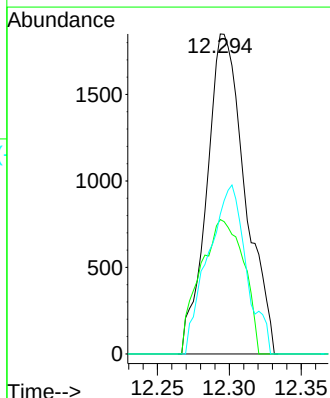
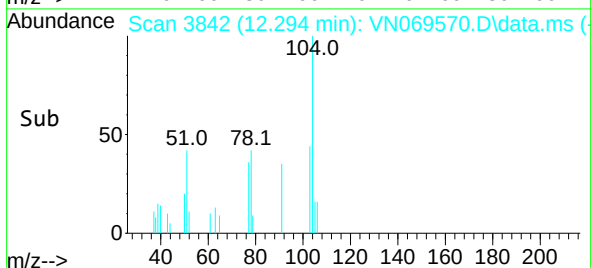
Tgt Ion:117 Resp: 2344527
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 32.3 25.4 38.2

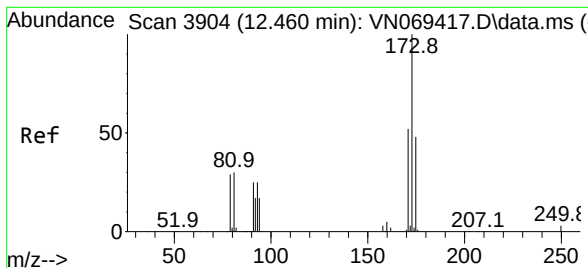


#70
Styrene
Concen: 1.583 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50



Tgt Ion:104 Resp: 3419
Ion Ratio Lower Upper
104 100
78 47.8 38.7 58.1
103 52.6 45.0 67.6





#71

Bromoform

Concen: 3.444 ug/l

RT: 12.457 min Scan# 3903

Delta R.T. -0.003 min MSVOA_N

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

Instrument :

MSVOA_N

ClientSampleId :

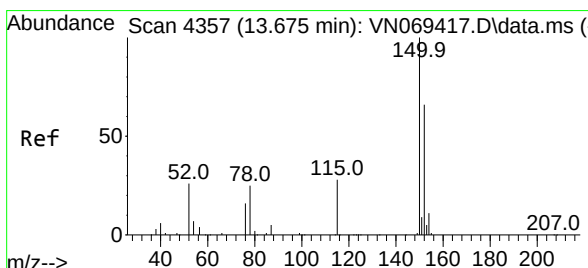
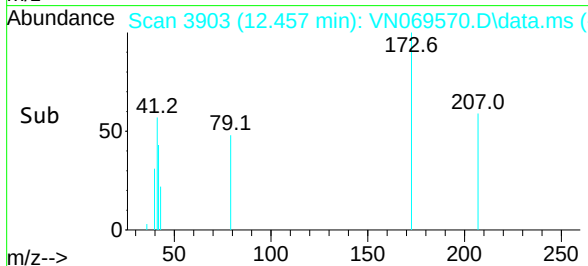
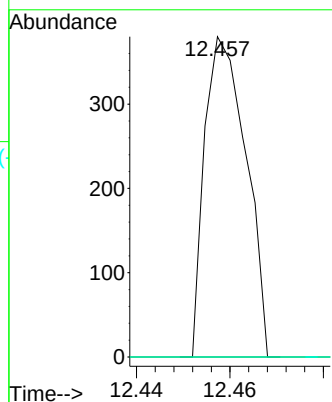
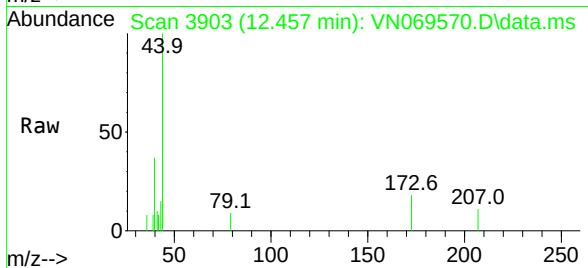
Tgt Ion:173 Resp: 233

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.003 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

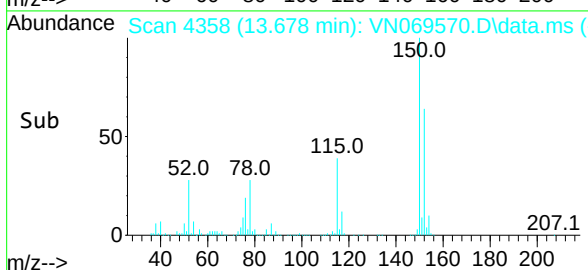
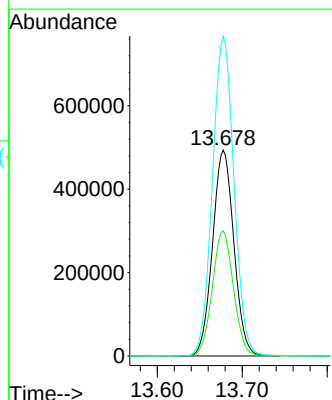
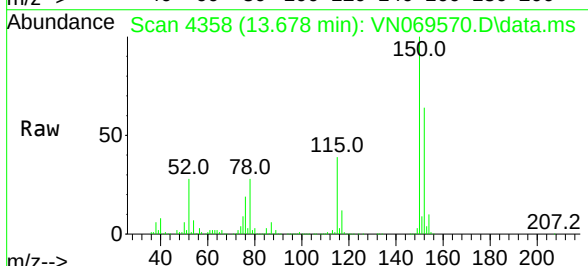
Tgt Ion:152 Resp: 861891

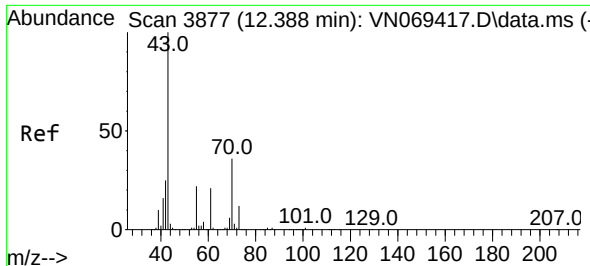
Ion Ratio Lower Upper

152 100

115 60.1 27.5 82.5

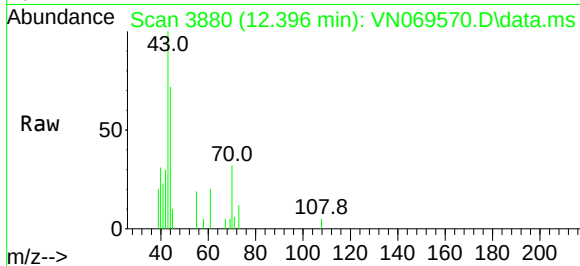
150 156.3 0.0 344.4



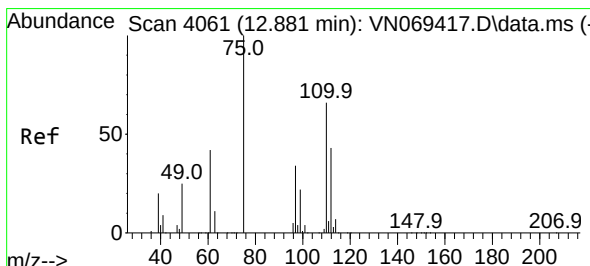
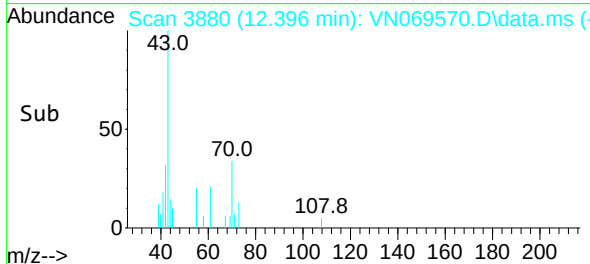
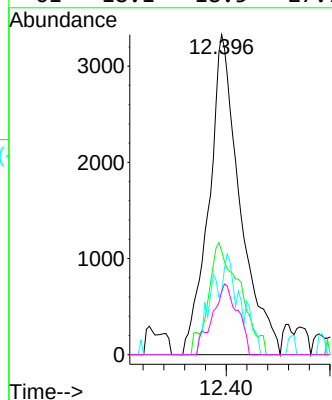


#74
N-amy1 acetate
Concen: 0.237 ug/l
RT: 12.396 min Scan# 3877
Delta R.T. 0.008 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

Instrument :
MSVOA_N
ClientSampleId :

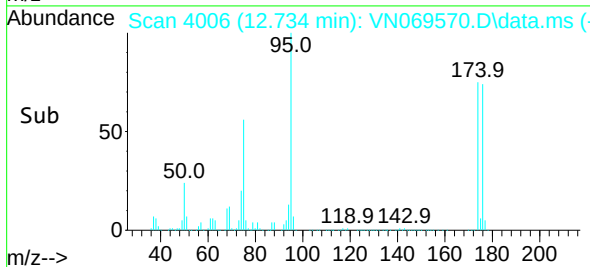
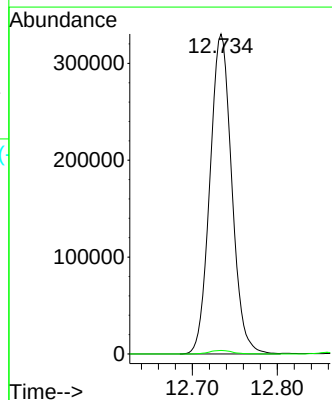
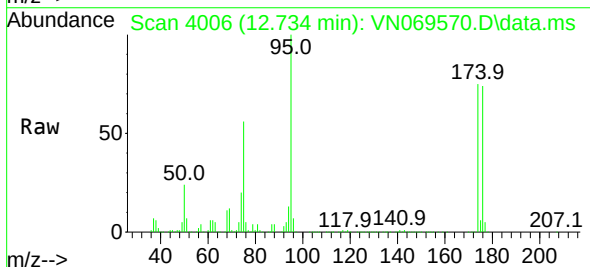


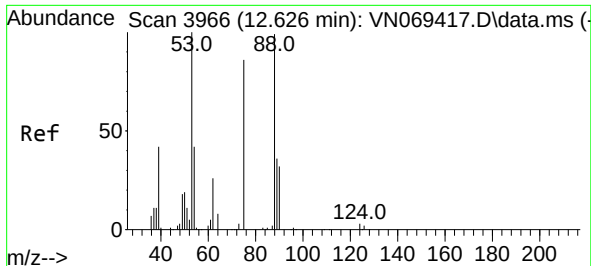
Tgt Ion: 43	Resp: 6881
Ion Ratio	Lower Upper
43 100	
70 35.9	33.4 50.0
55 9.8	19.3 28.9#
61 18.1	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 29.609 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

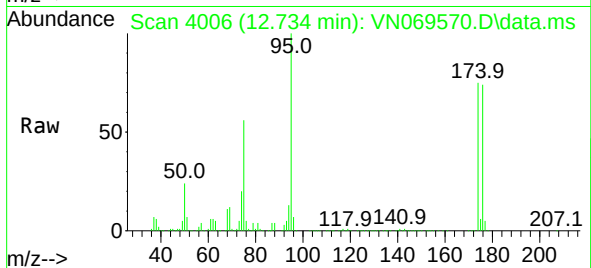
Tgt Ion: 75	Resp: 588944
Ion Ratio	Lower Upper
75 100	
77 1.2	82.6 247.8#



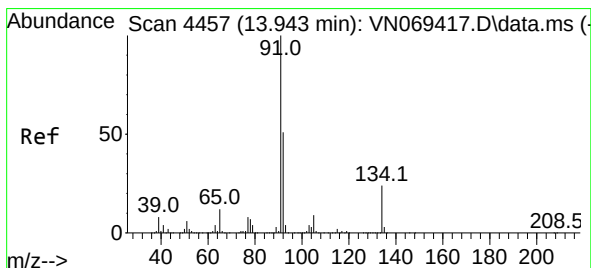
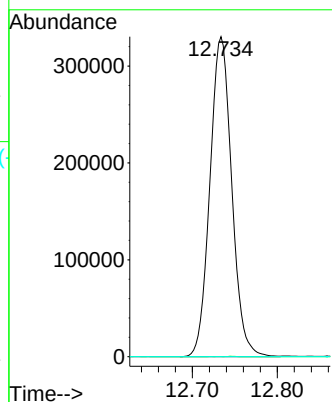
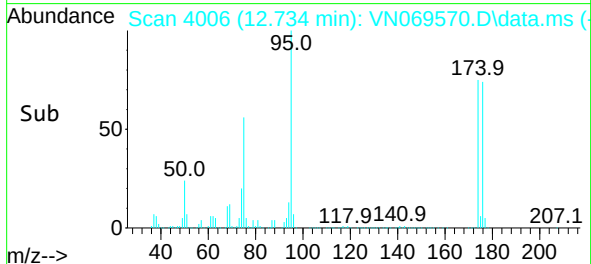


#81
trans-1,4-Dichloro-2-butene
Concen: 83.723 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50

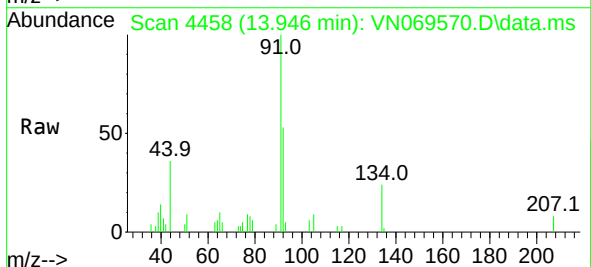
Instrument :
MSVOA_N
ClientSampleId :



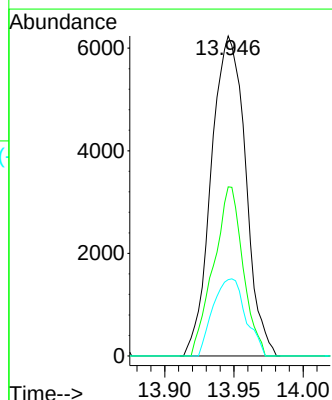
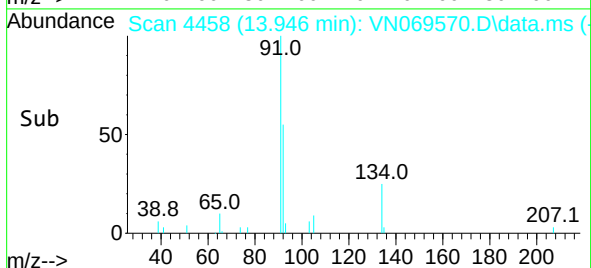
Tgt Ion: 75 Resp: 588944
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

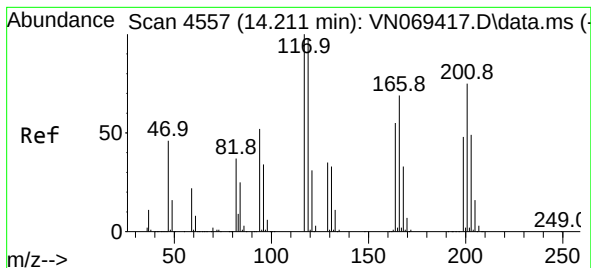


#89
n-Butylbenzene
Concen: 0.239 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069570.D
Acq: 18 Nov 2021 23:50



Tgt Ion: 91 Resp: 10738
Ion Ratio Lower Upper
91 100
92 45.3 25.4 76.0
134 22.9 13.6 40.8





#90

Hexachloroethane

Concen: 2.174 ug/l

RT: 13.951 min Scan# 4460

Delta R.T. -0.260 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

Instrument :

MSVOA_N

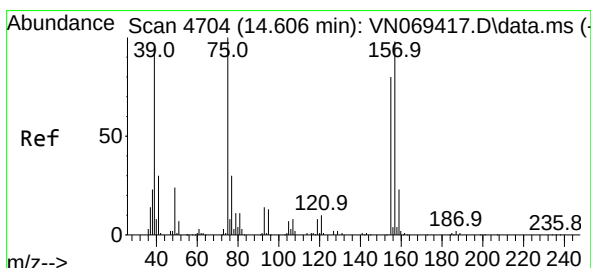
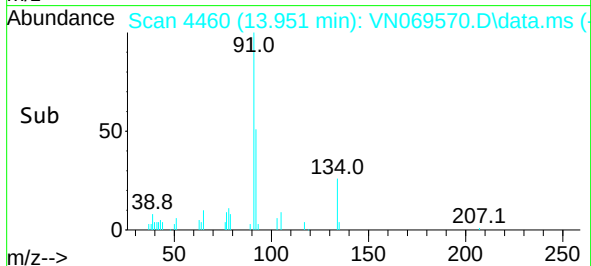
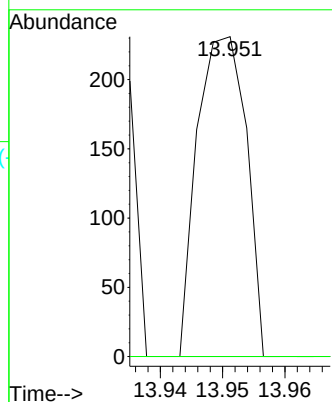
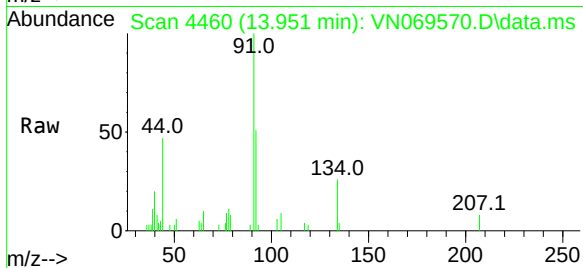
ClientSampleId :

Tgt Ion:117 Resp: 127

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.983 ug/l

RT: 14.608 min Scan# 4705

Delta R.T. 0.002 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

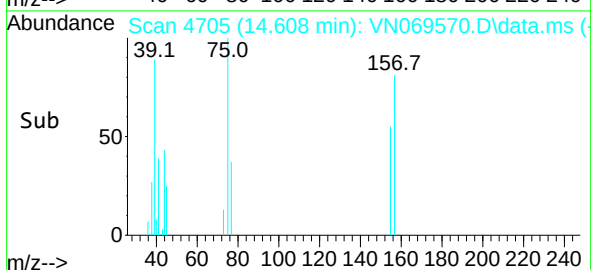
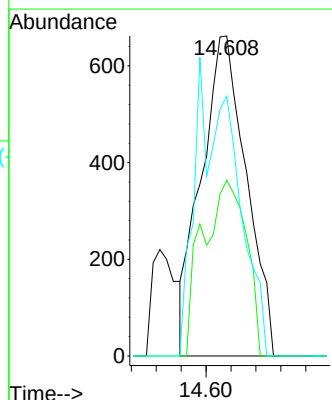
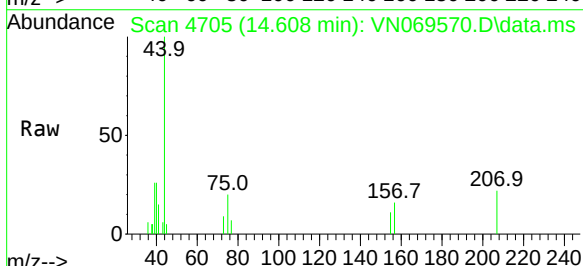
Tgt Ion: 75 Resp: 832

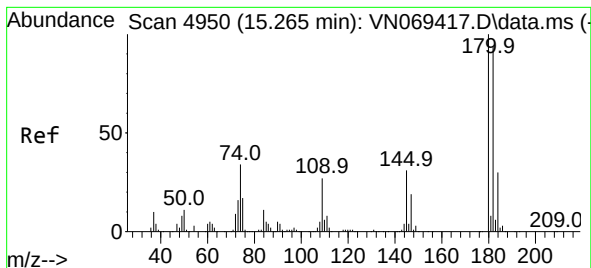
Ion Ratio Lower Upper

75 100

155 53.1 46.9 140.7

157 45.6 60.6 181.7#





#93

1,2,4-Trichlorobenzene

Concen: 3.648 ug/l

RT: 15.271 min Scan# 4950

Delta R.T. 0.006 min

Lab File: VN069570.D

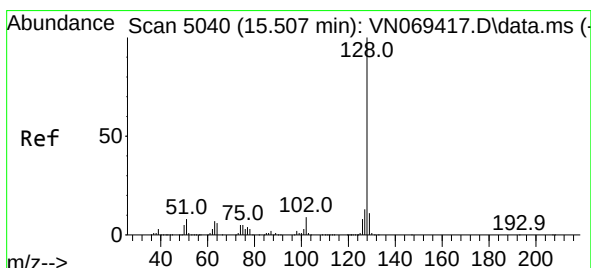
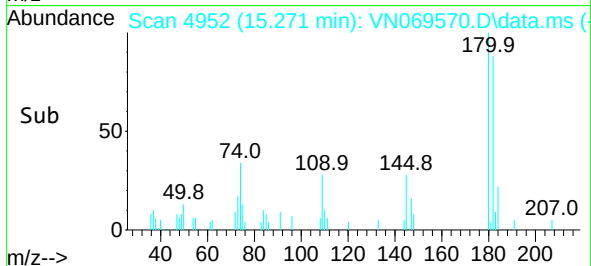
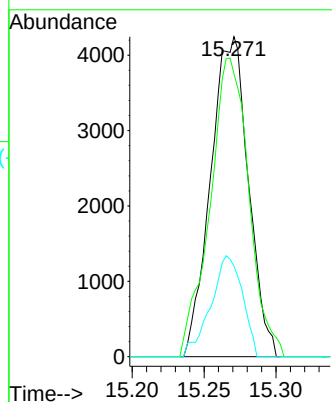
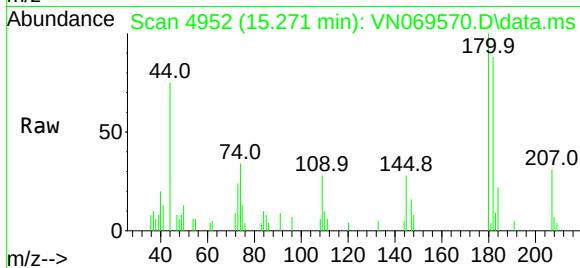
Acq: 18 Nov 2021 23:50

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	7734
Ion Ratio	Lower	Upper
180	100	
182	96.3	48.3 144.9
145	26.5	14.5 43.5



#95

Naphthalene

Concen: 5.395 ug/l

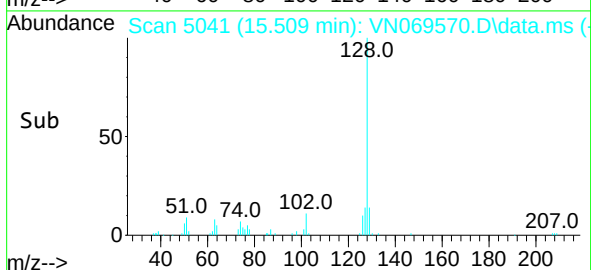
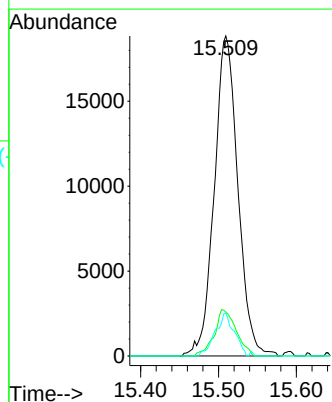
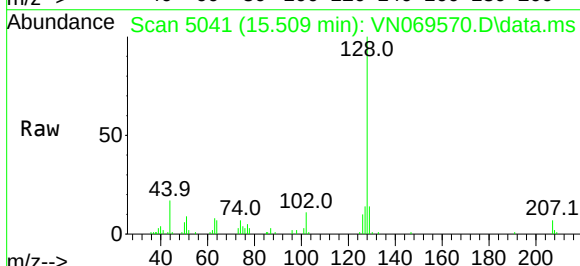
RT: 15.509 min Scan# 5041

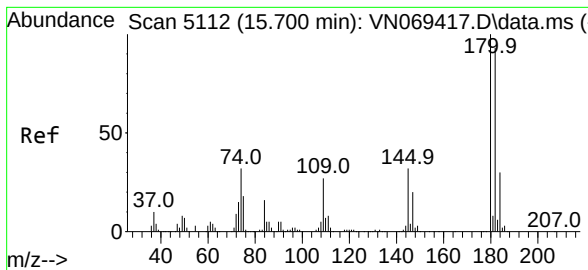
Delta R.T. 0.002 min

Lab File: VN069570.D

Acq: 18 Nov 2021 23:50

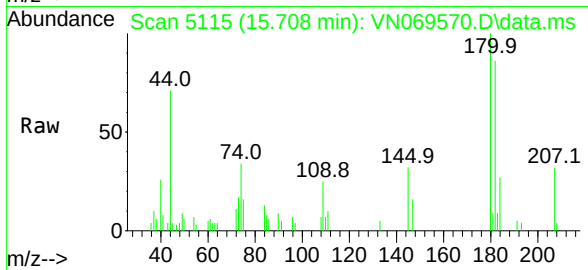
Tgt Ion:128	Resp:	39663
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.5 15.7
129	10.8	8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.867 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.008 min
 Lab File: VN069570.D
 Acq: 18 Nov 2021 23:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	9658
Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.4	142.2
145	37.6	15.0	45.1

