

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069132.D
 Acq On : 22 Oct 2021 13:17
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 07:53:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	58879	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	344764	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	300178	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	142795	31.137	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.800%	
60) 4-Bromofluorobenzene	12.734	95	134984	26.225	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 87.433%	
63) Toluene-d8	10.443	98	415974	30.672	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.233%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	1242	0.319	ug/l	85
3) Chloromethane	2.303	50	1290	0.319	ug/l	95
5) Bromomethane	2.869	94	1543	0.488	ug/l #	79
7) Trichlorofluoromethane	3.379	101	1584	0.254	ug/l	98
11) Methyl Iodide	4.436	142	1376	0.296	ug/l #	69
12) Methyl Acetate	4.859	43	1528	0.242	ug/l	96
13) Acrolein	4.049	56	882	2.321	ug/l #	33
14) Acrylonitrile	5.565	53	1951	1.090	ug/l	81
15) Acetone	4.293	58	175	0.313	ug/l #	1
16) Carbon Disulfide	4.537	76	9925	1.115	ug/l	98
18) Methylene Chloride	5.098	84	1853	0.471	ug/l #	90
30) 2-Butanone	7.348	43	3961	1.520	ug/l #	79
38) Methylcyclohexane	9.456	83	1985	0.287	ug/l #	62
40) Dibromomethane	9.577	93	1062	0.368	ug/l	96
42) Vinyl Acetate	6.447	43	3106	0.334	ug/l #	74
45) 1,4-Dioxane	9.569	88	265	3.519	ug/l #	78
46) Methyl methacrylate	9.561	41	1381	0.325	ug/l	82
47) n-amyl Acetate	12.393	43	8651	1.083	ug/l	100
48) t-1,3-Dichloropropene	10.725	75	1594	0.239	ug/l	94
50) 1,1,2-Trichloroethane	10.902	97	848	0.205	ug/l #	81
51) Ethyl methacrylate	10.762	69	1902	0.278	ug/l	88
55) 2-Chloroethyl vinyl ether	10.041	63	936	0.431	ug/l	91
56) Bromoform	12.460	173	876	0.275	ug/l #	73
58) 4-Methyl-2-Pentanone	10.336	43	6809	1.345	ug/l	96
59) 2-Hexanone	11.090	43	14532	3.800	ug/l #	93
61) Tetrachloroethene	10.977	164	1786	0.547	ug/l	89
62) Toluene	10.508	91	5917	0.338	ug/l	98
64) Chlorobenzene	11.773	112	4965	0.468	ug/l	99
66) Ethyl Benzene	11.849	91	7138	0.363	ug/l	100
67) m/p-Xylenes	11.959	106	6190	0.837	ug/l	97
68) o-Xylene	12.283	106	2033	0.275	ug/l	84
69) Styrene	12.296	104	6281	0.512	ug/l	93
70) Isopropylbenzene	12.581	105	5912	0.305	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	2907	0.511	ug/l #	89
72) 1,2,3-Trichloropropane	12.886	75	3833	0.784	ug/l	85
73) Bromobenzene	12.862	156	2992	0.680	ug/l	97
74) n-propylbenzene	12.924	91	12548	0.563	ug/l	95
75) 2-Chlorotoluene	13.010	91	7007	0.513	ug/l	93
76) 1,3,5-Trimethylbenzene	13.063	105	6975	0.431	ug/l	96

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

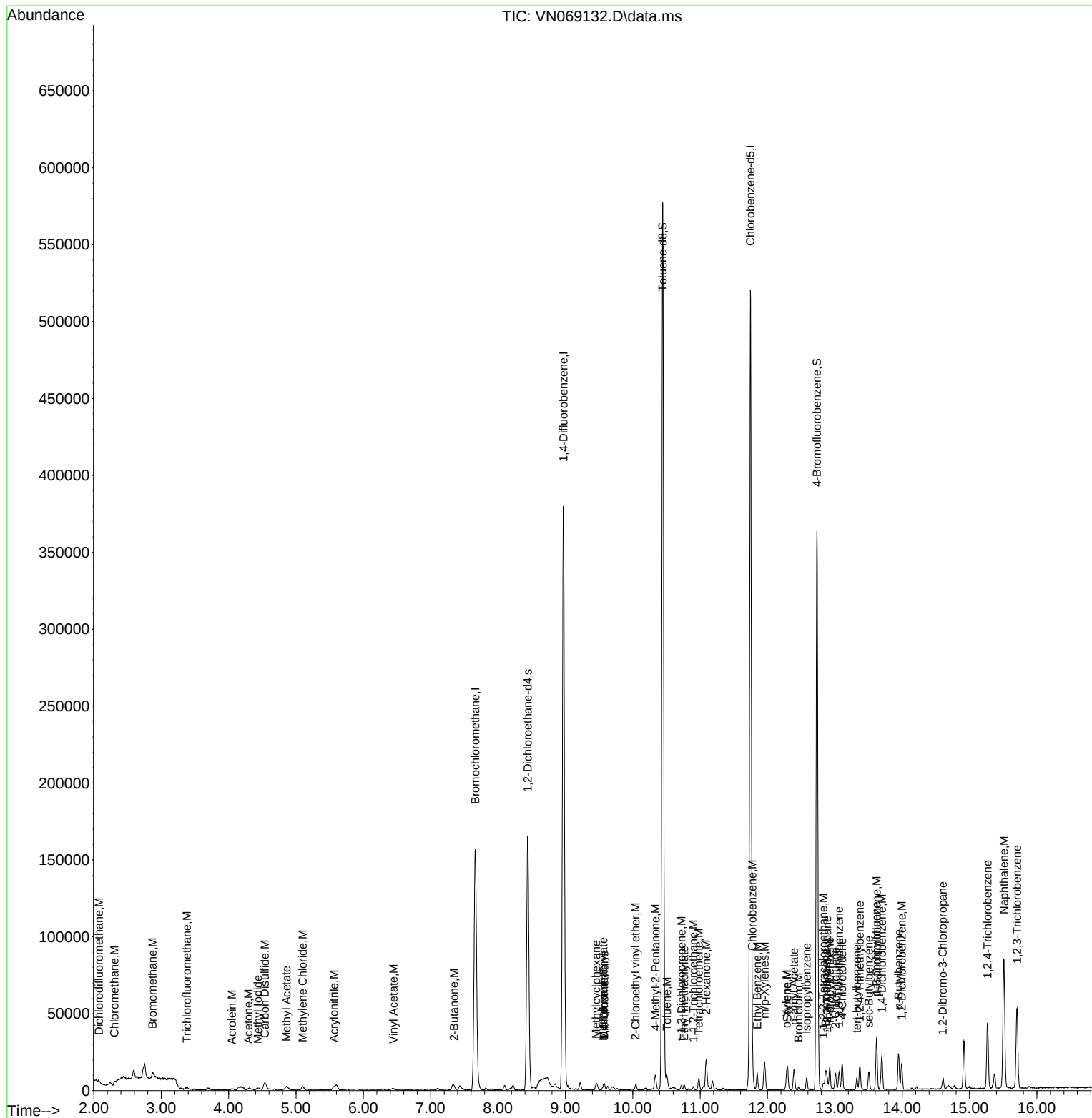
78) 4-Chlorotoluene	13.109	91	11511	0.861	ug/l	91
79) tert-butylbenzene	13.326	119	4190	0.295	ug/l	96
80) 1,2,4-Trimethylbenzene	13.369	105	9659	0.608	ug/l #	82
81) sec-Butylbenzene	13.506	105	9310	0.468	ug/l	100
82) p-Isopropyltoluene	13.616	119	9513	0.587	ug/l	97
83) 1,3-Dichlorobenzene	13.621	146	8154	1.053	ug/l	98
84) 1,4-Dichlorobenzene	13.699	146	9907	1.314	ug/l	99
85) n-Butylbenzene	13.946	91	15037	1.109	ug/l	99
87) 1,2-Dichlorobenzene	13.994	146	7355	0.994	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.603	75	1205	1.137	ug/l #	53
89) 1,2,4-Trichlorobenzene	15.268	180	14760	3.956	ug/l	99
91) Naphthalene	15.509	128	80714	7.480	ug/l	98
92) 1,2,3-Trichlorobenzene	15.705	180	19201	5.385	ug/l	100

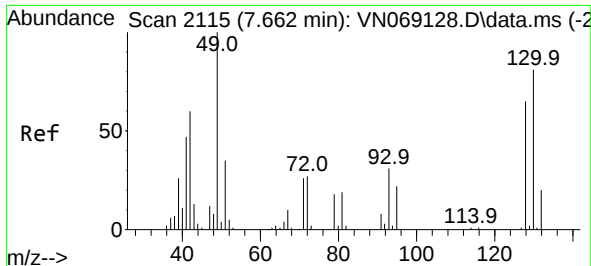
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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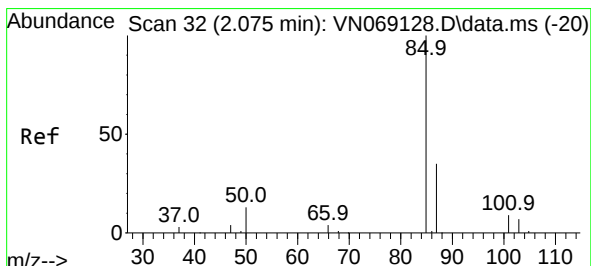
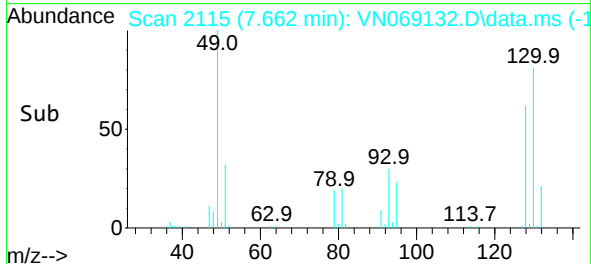
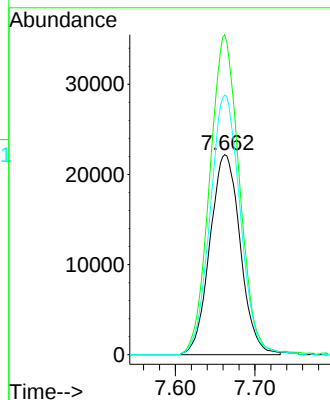
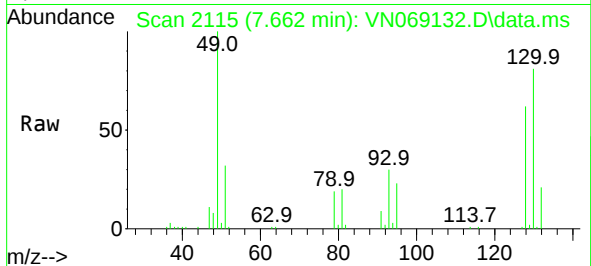




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

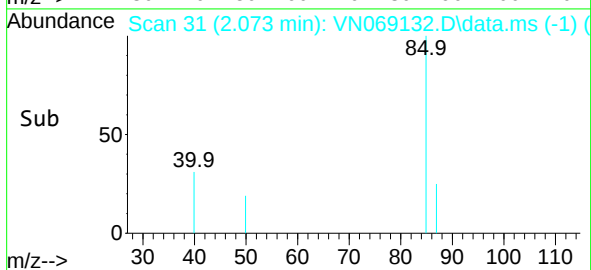
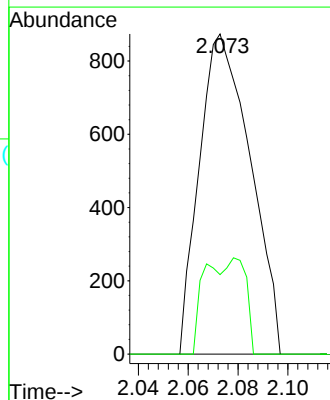
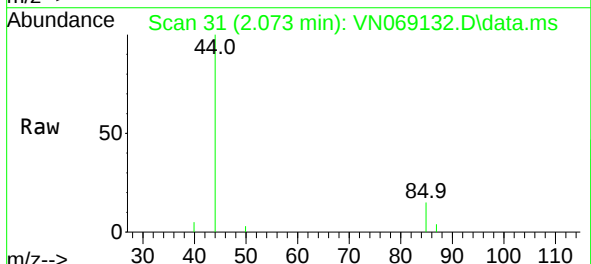
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MSVOA_N
ClientSampleId :

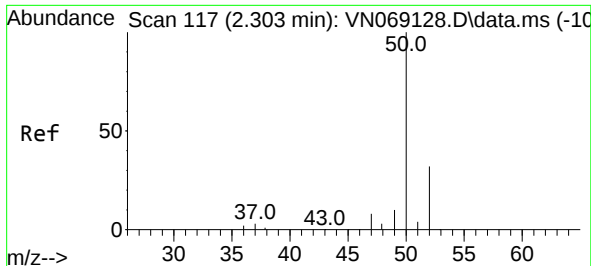
Tgt Ion:128 Resp: 58879
Ion Ratio Lower Upper
128 100
49 156.1 0.0 392.3
130 129.0 0.0 320.2



#2
Dichlorodifluoromethane
Concen: 0.319 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

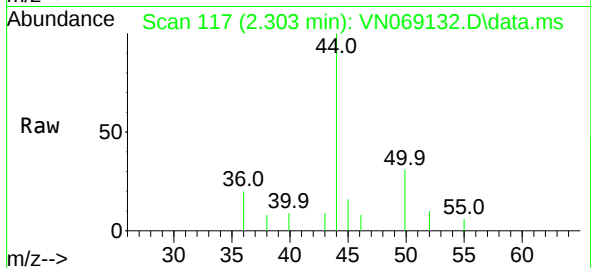
Tgt Ion: 85 Resp: 1242
Ion Ratio Lower Upper
85 100
87 24.8 16.6 49.7



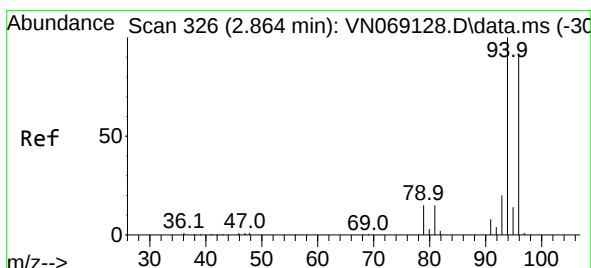
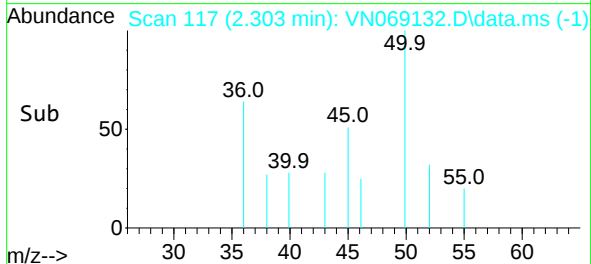
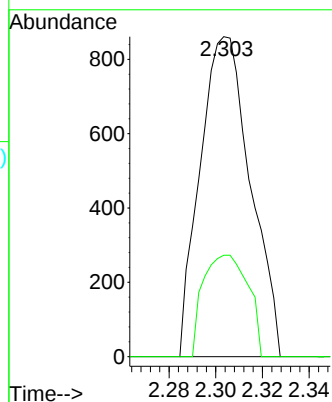


#3
Chloromethane
Concen: 0.319 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Instrument :
MSVOA_N
ClientSampleId :

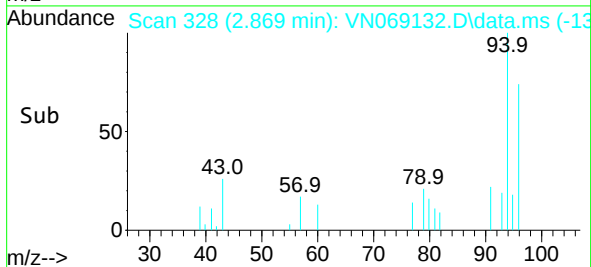
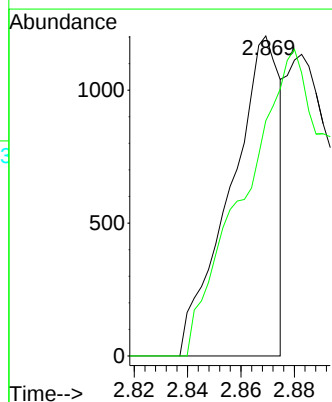
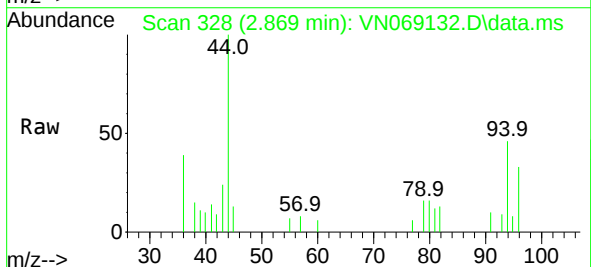


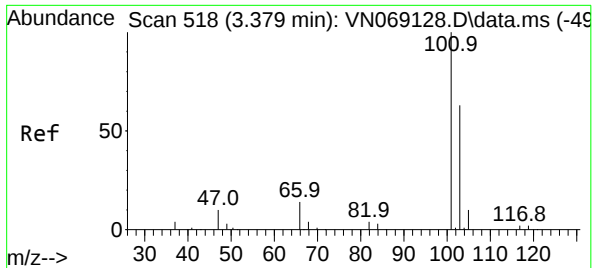
Tgt Ion: 50 Resp: 1290
Ion Ratio Lower Upper
50 100
52 31.7 27.8 41.6



#5
Bromomethane
Concen: 0.488 ug/l
RT: 2.869 min Scan# 328
Delta R.T. 0.006 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

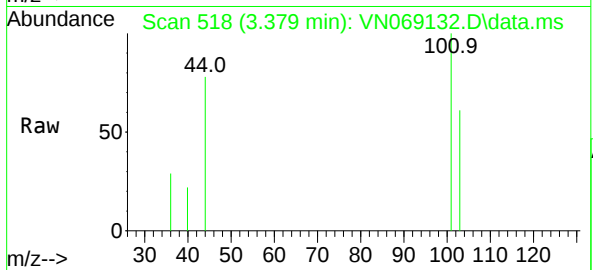
Tgt Ion: 94 Resp: 1543
Ion Ratio Lower Upper
94 100
96 73.5 75.2 112.8#



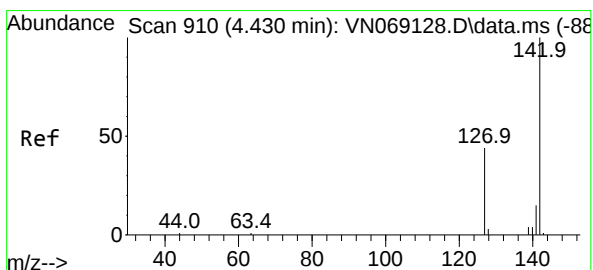
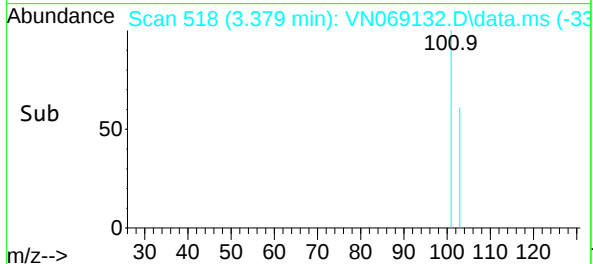
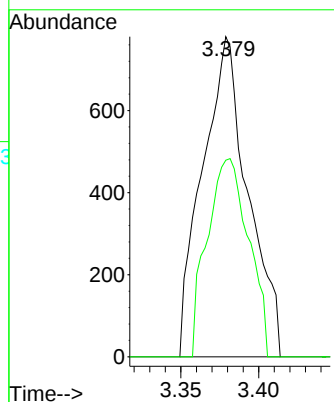


#7
 Trichlorofluoromethane
 Concen: 0.254 ug/l
 RT: 3.379 min Scan# 518
 Delta R.T. 0.000 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

Instrument :
 MSVOA_N
 ClientSampleId :

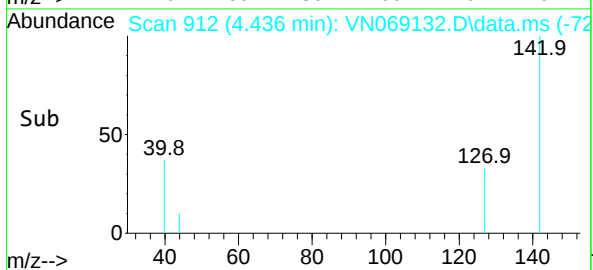
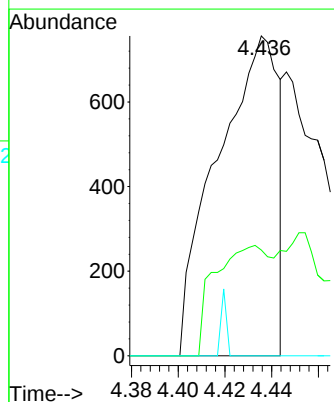
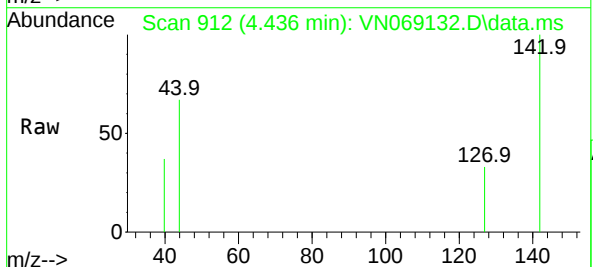


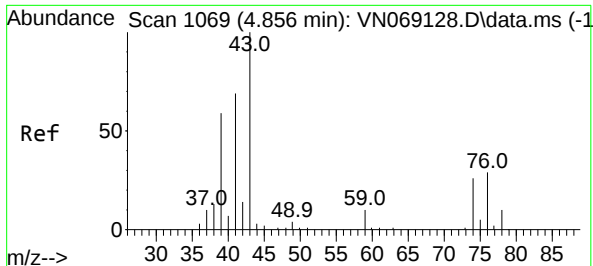
Tgt Ion:101 Resp: 1584
 Ion Ratio Lower Upper
 101 100
 103 61.4 50.1 75.1



#11
 Methyl Iodide
 Concen: 0.296 ug/l
 RT: 4.436 min Scan# 912
 Delta R.T. 0.006 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

Tgt Ion:142 Resp: 1376
 Ion Ratio Lower Upper
 142 100
 127 29.2 24.0 72.0
 141 0.0 8.4 25.2#

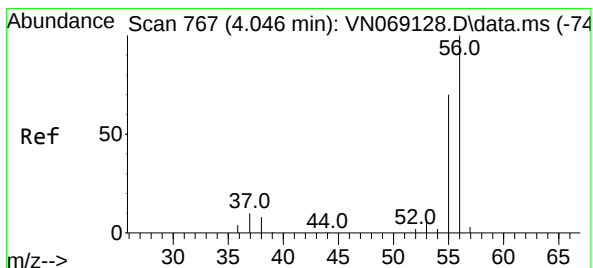
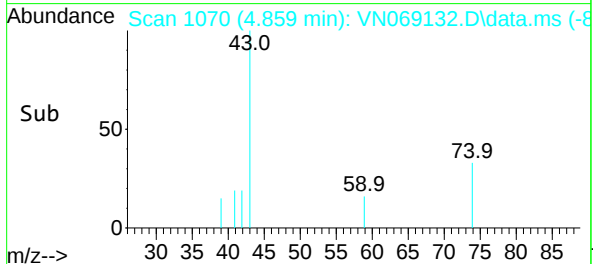
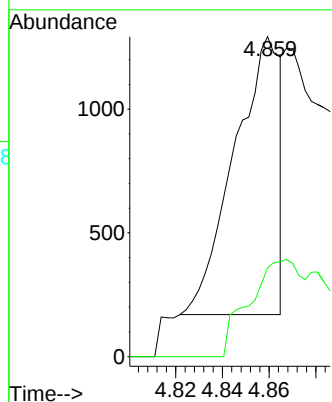
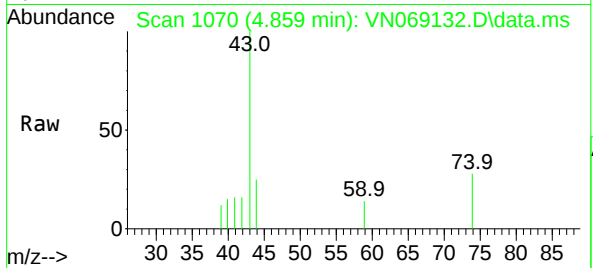




#12
Methyl Acetate
Concen: 0.242 ug/l
RT: 4.859 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

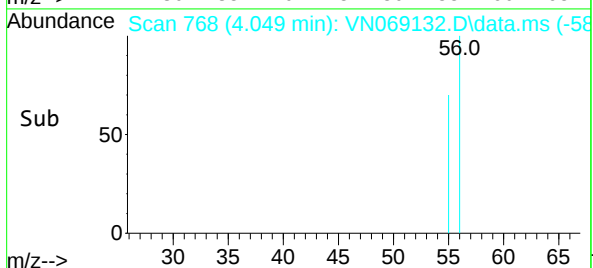
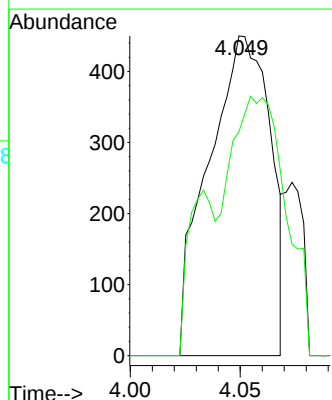
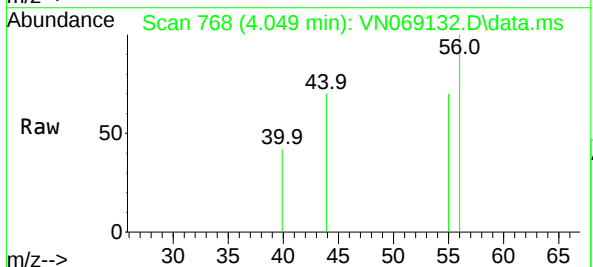
Instrument :
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ClientSampleId :

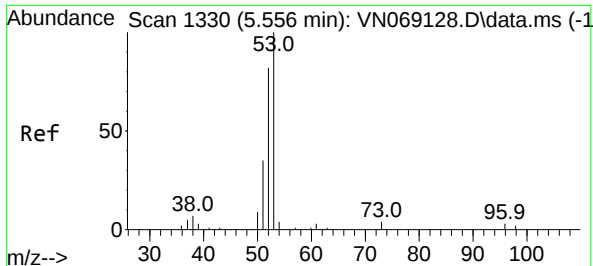
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
74 27.8 20.8 31.2



#13
Acrolein
Concen: 2.321 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.003 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

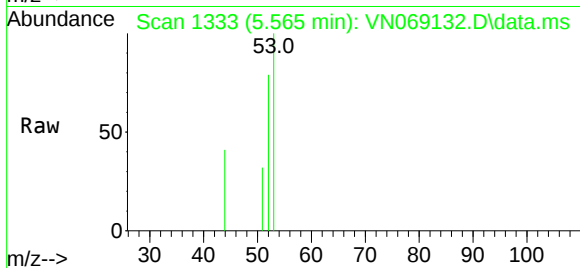
Tgt Ion: 56 Resp: 882
Ion Ratio Lower Upper
56 100
55 16.4 57.6 86.4#



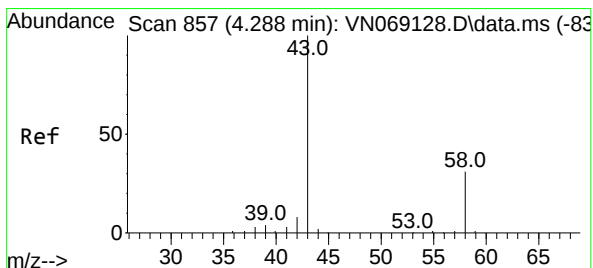
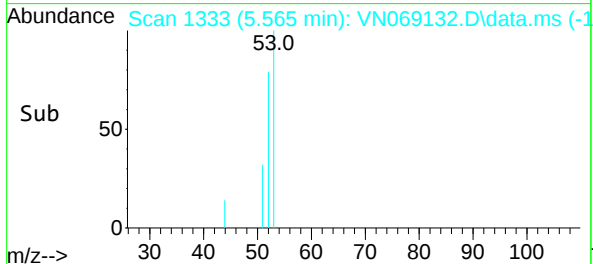
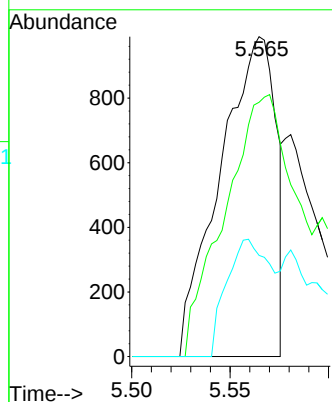


#14
Acrylonitrile
Concen: 1.090 ug/l
RT: 5.565 min Scan# 11
Delta R.T. 0.008 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

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ClientSampleId :

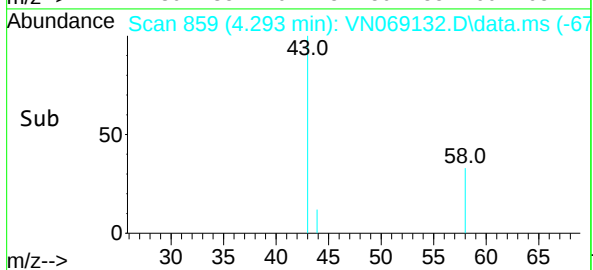
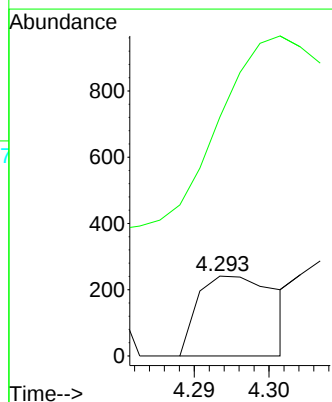
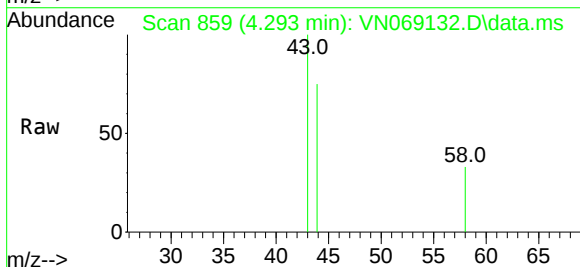


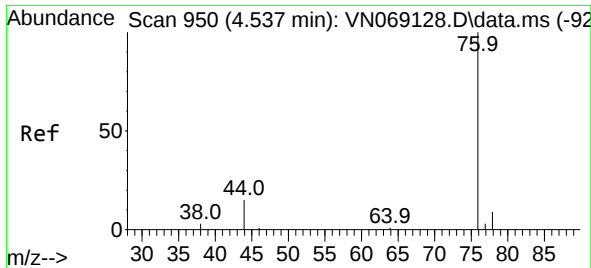
Tgt Ion: 53 Resp: 1951
Ion Ratio Lower Upper
53 100
52 102.2 41.8 125.4
51 28.0 19.0 57.0



#15
Acetone
Concen: 0.313 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.006 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

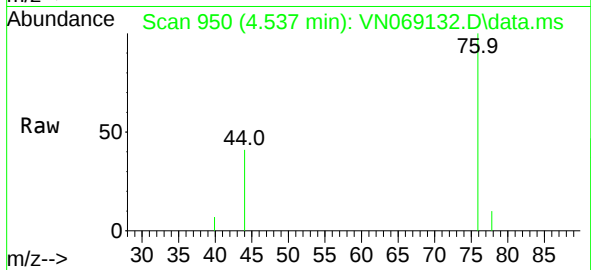
Tgt Ion: 58 Resp: 175
Ion Ratio Lower Upper
58 100
43 110.0 256.6 384.8#



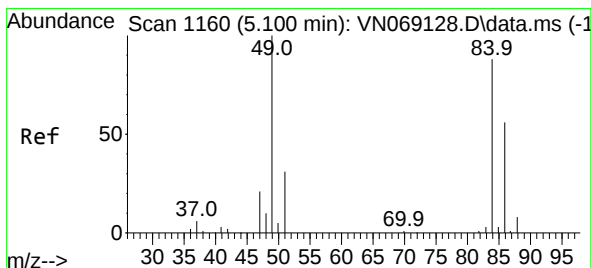
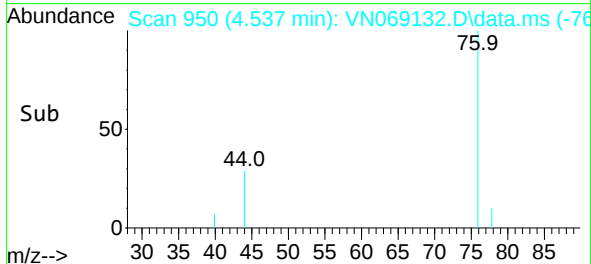
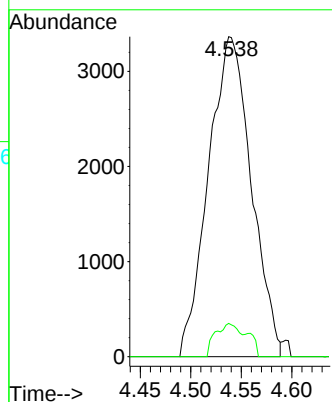


#16
Carbon Disulfide
Concen: 1.115 ug/l
RT: 4.537 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Instrument :
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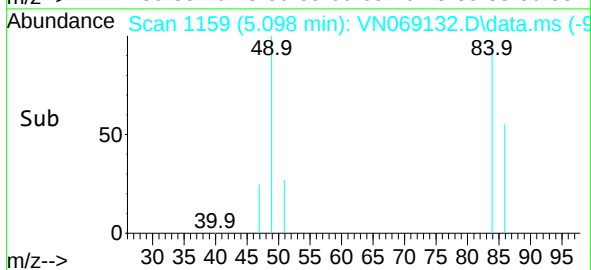
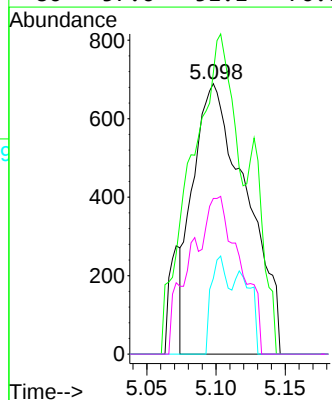
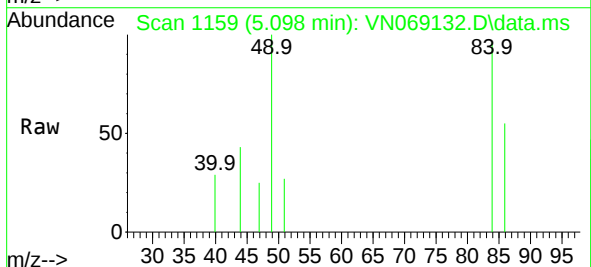


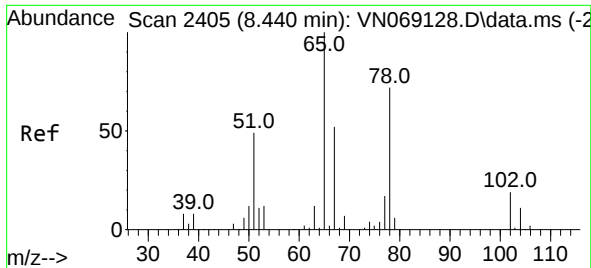
Tgt Ion: 76 Resp: 9925
Ion Ratio Lower Upper
76 100
78 10.4 7.8 11.8



#18
Methylene Chloride
Concen: 0.471 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.002 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 84 Resp: 1853
Ion Ratio Lower Upper
84 100
49 104.1 91.4 137.0
51 28.0 29.4 44.0#
86 57.6 51.1 76.7

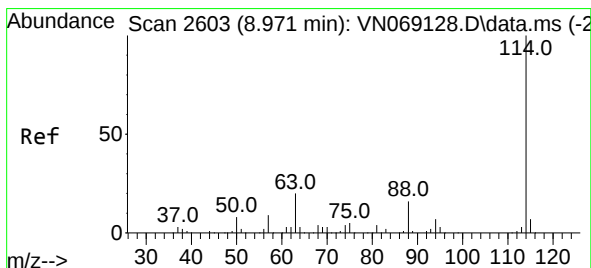
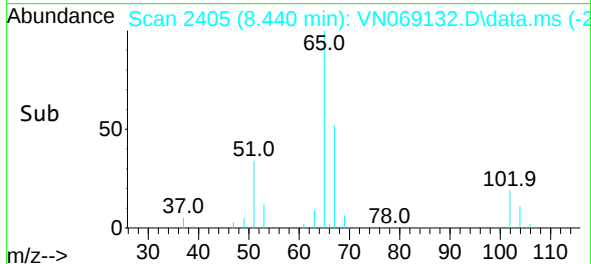
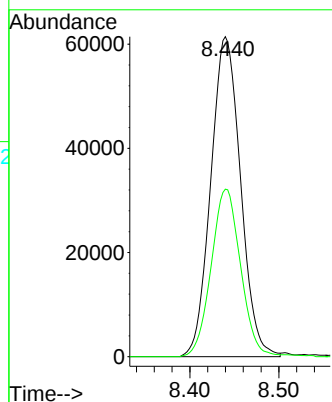
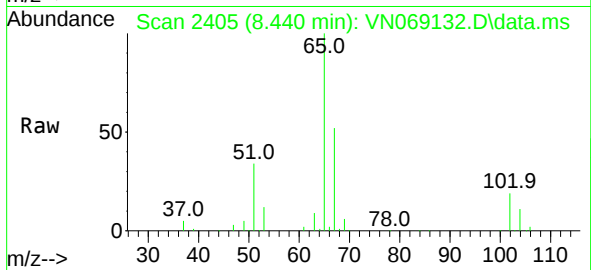




#27
 1,2-Dichloroethane-d4
 Concen: 31.137 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

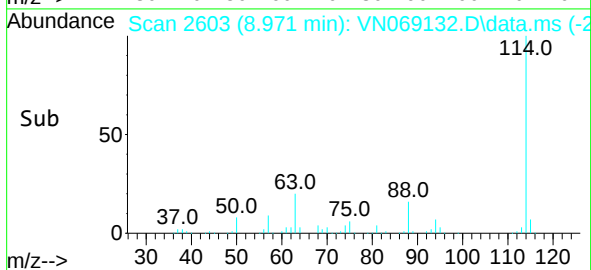
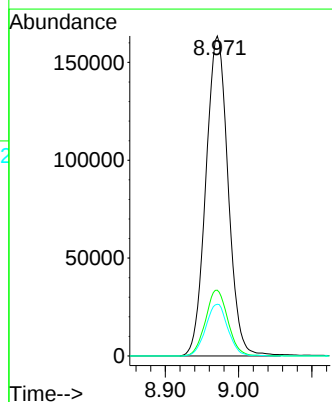
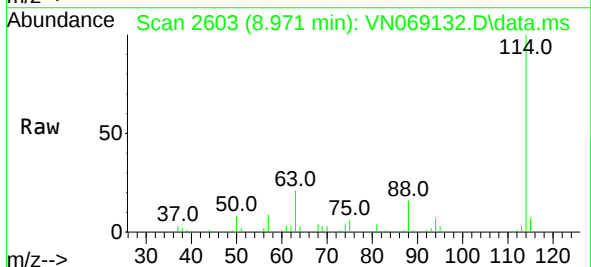
Instrument :
 MSVOA_N
 ClientSampleId :

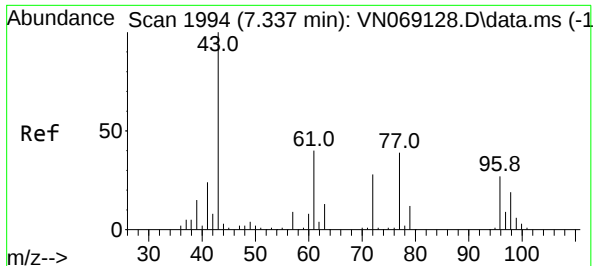
Tgt Ion: 65 Resp: 142795
 Ion Ratio Lower Upper
 65 100
 67 51.7 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

Tgt Ion: 114 Resp: 344764
 Ion Ratio Lower Upper
 114 100
 63 20.7 15.8 23.6
 88 16.0 11.6 17.4





#30

2-Butanone

Concen: 1.520 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.011 min

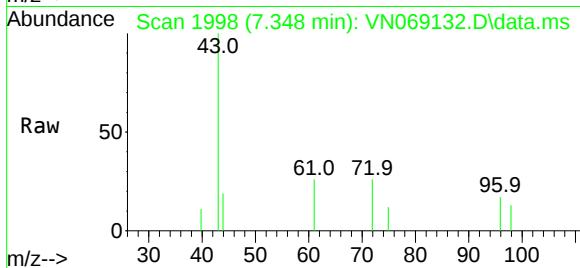
Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

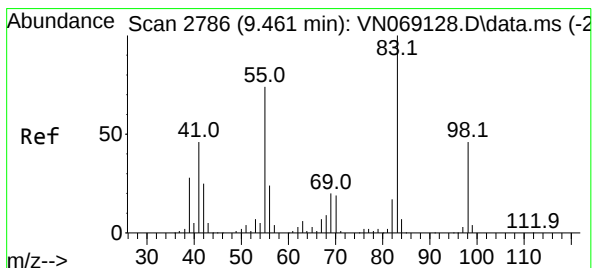
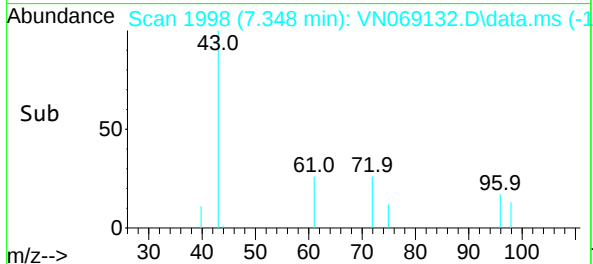
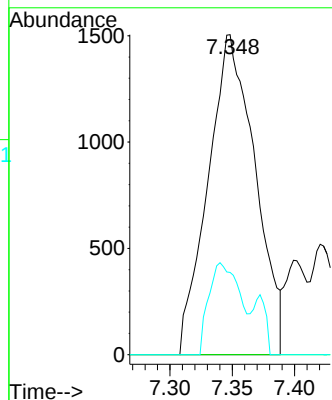
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3961
Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.7	10.1#
72	18.4	23.2	34.8#



#38

Methylcyclohexane

Concen: 0.287 ug/l

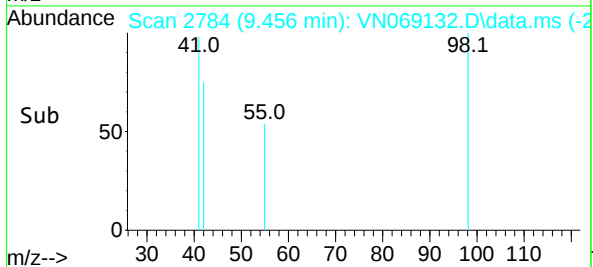
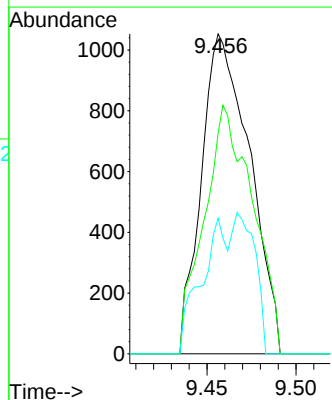
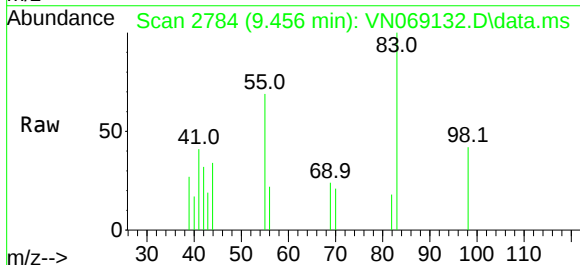
RT: 9.456 min Scan# 2784

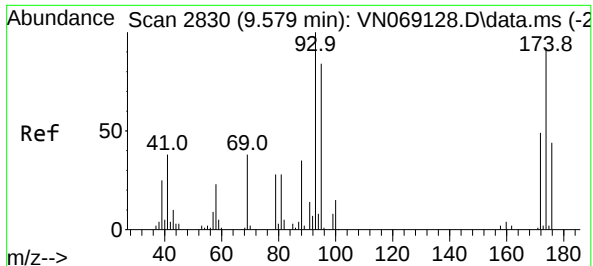
Delta R.T. -0.005 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

Tgt Ion:	83	Resp:	1985
Ion	Ratio	Lower	Upper
83	100		
55	51.1	35.1	105.3
98	7.5	23.4	70.2#

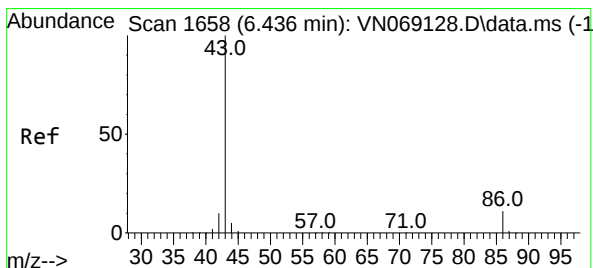
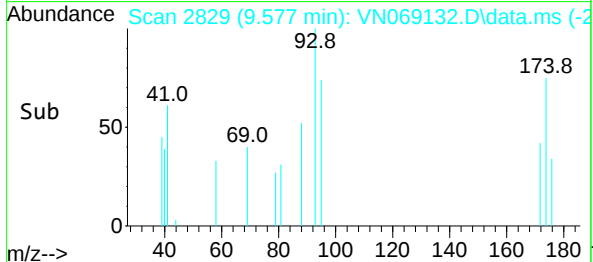
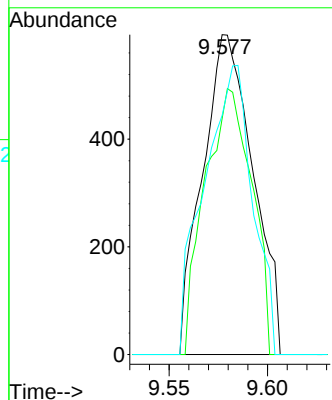
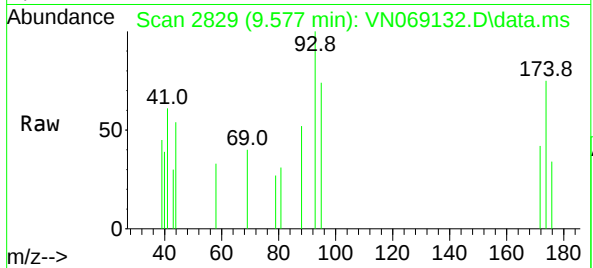




#40
Dibromomethane
Concen: 0.368 ug/l
RT: 9.577 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

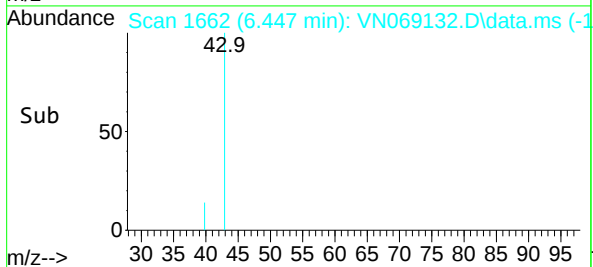
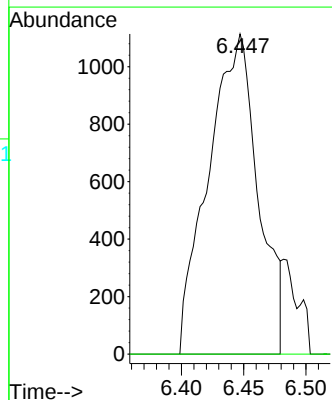
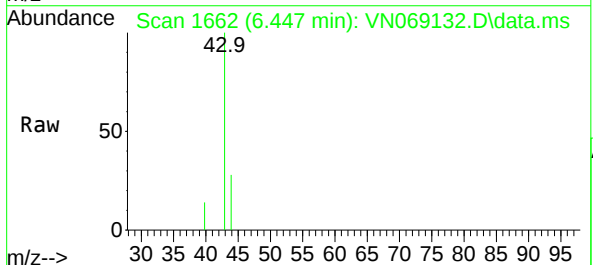
Instrument :
MSVOA_N
ClientSampleId :

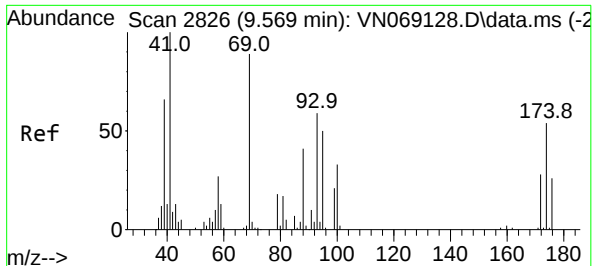
Tgt Ion: 93 Resp: 1062
Ion Ratio Lower Upper
93 100
95 77.2 0.0 168.8
174 86.6 0.0 173.6



#42
Vinyl Acetate
Concen: 0.334 ug/l
RT: 6.447 min Scan# 1662
Delta R.T. 0.011 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 43 Resp: 3106
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#45

1,4-Dioxane

Concen: 3.519 ug/l

RT: 9.569 min Scan# 2826

Delta R.T. 0.000 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

Instrument :

MSVOA_N

ClientSampleId :

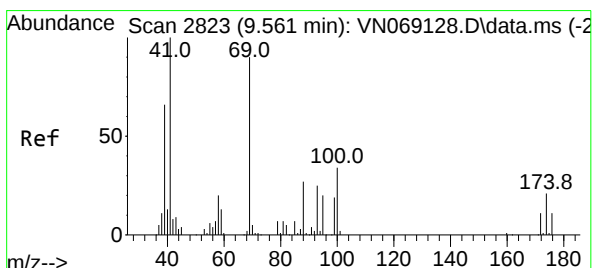
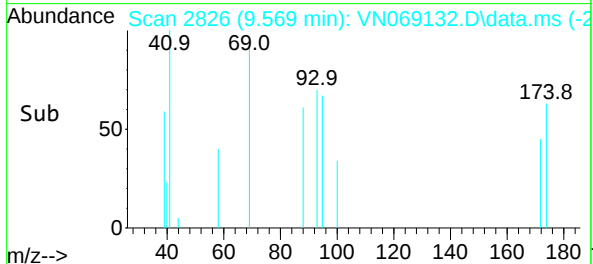
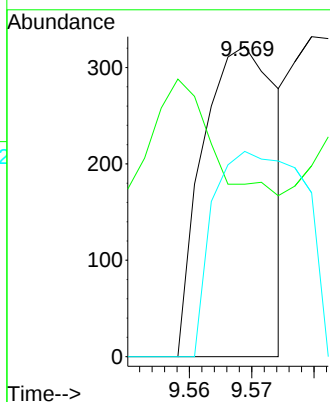
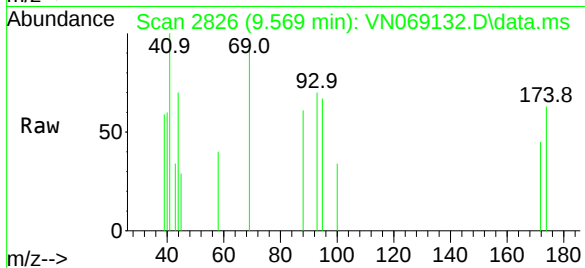
Tgt Ion: 88 Resp: 265

Ion Ratio Lower Upper

88 100

43 23.0 25.0 37.6#

58 81.9 49.4 74.2#



#46

Methyl methacrylate

Concen: 0.325 ug/l

RT: 9.561 min Scan# 2823

Delta R.T. 0.000 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

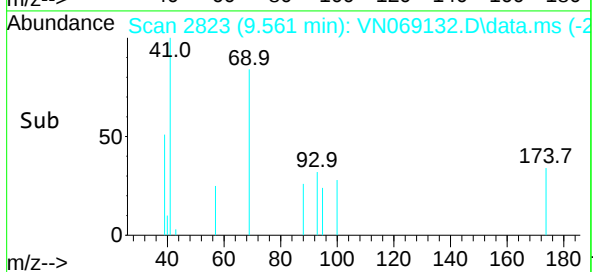
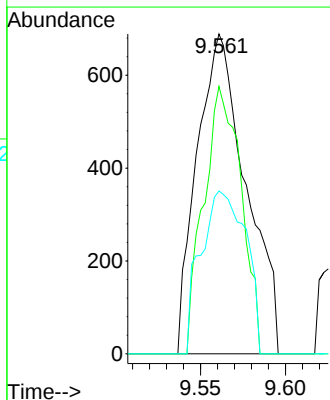
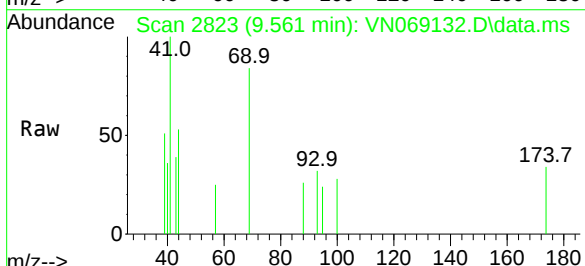
Tgt Ion: 41 Resp: 1381

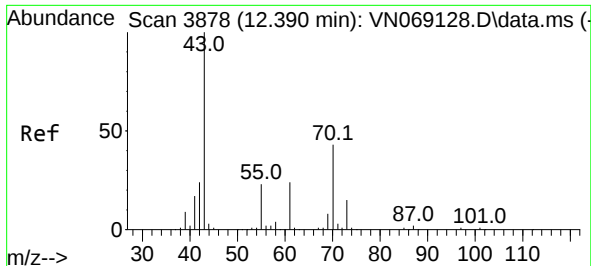
Ion Ratio Lower Upper

41 100

69 83.6 44.4 133.2

39 50.9 39.9 119.6

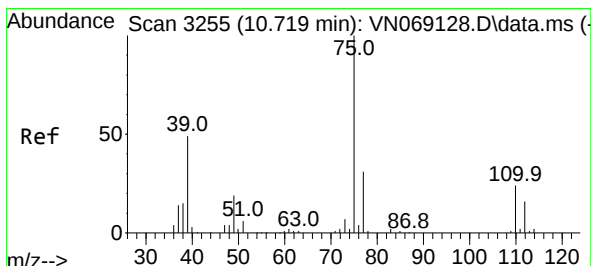
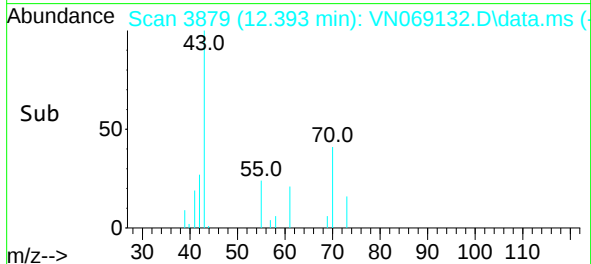
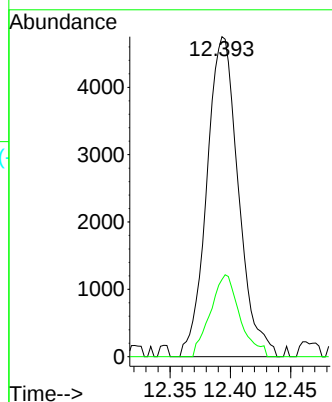
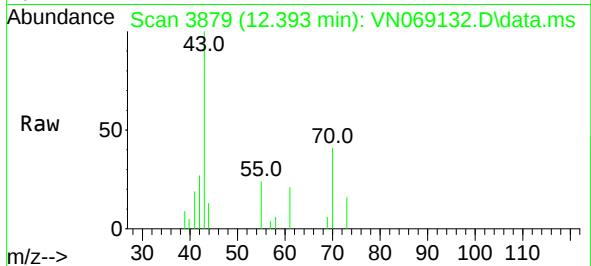




#47
n-amy1 Acetate
Concen: 1.083 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

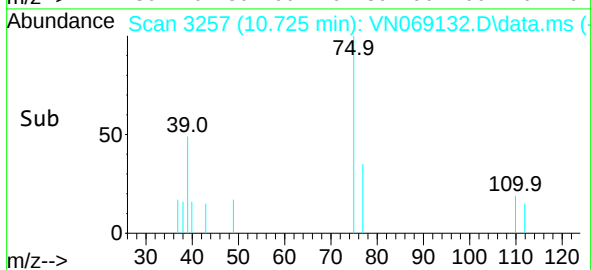
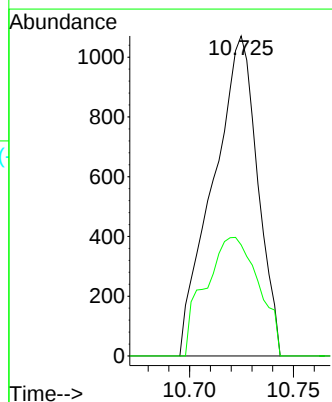
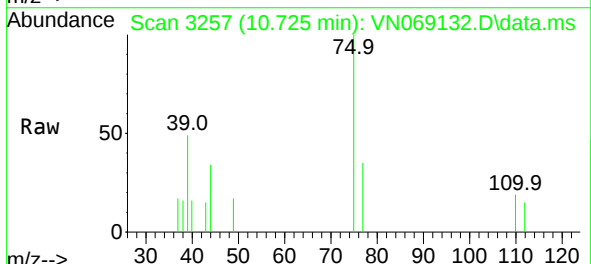
Instrument :
MSVOA_N
ClientSampleId :

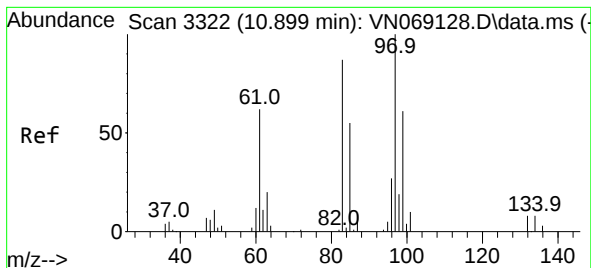
Tgt Ion: 43 Resp: 8651
Ion Ratio Lower Upper
43 100
55 23.6 19.0 28.6



#48
t-1,3-Dichloropropene
Concen: 0.239 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 75 Resp: 1594
Ion Ratio Lower Upper
75 100
77 34.7 25.3 37.9





#50

1,1,2-Trichloroethane

Concen: 0.205 ug/l

RT: 10.902 min Scan# 31

Delta R.T. 0.003 min

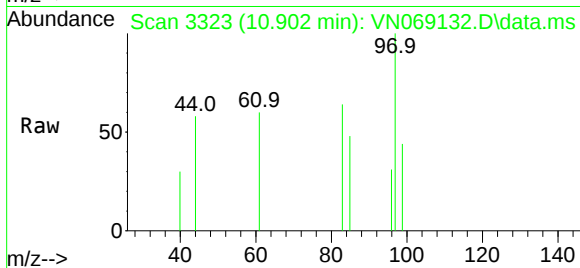
Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 848

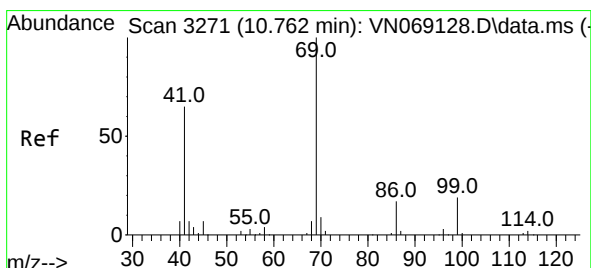
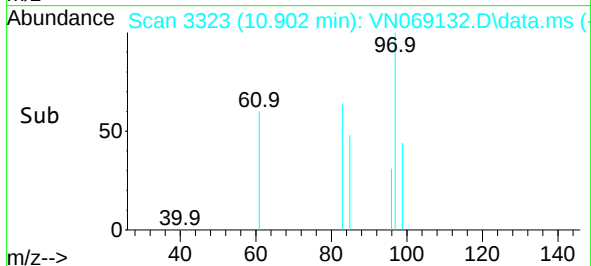
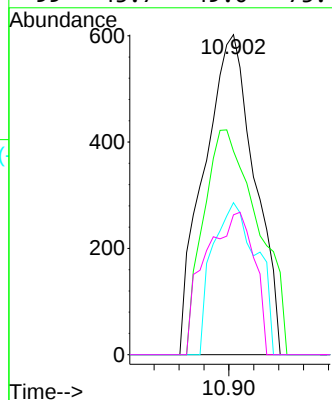
Ion Ratio Lower Upper

97 100

83 63.6 67.2 100.8#

85 47.5 43.0 64.4

99 43.7 49.0 73.4#



#51

Ethyl methacrylate

Concen: 0.278 ug/l

RT: 10.762 min Scan# 3271

Delta R.T. 0.000 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

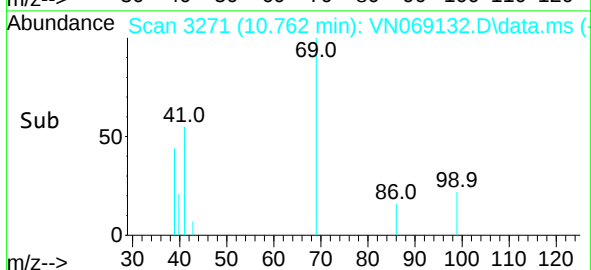
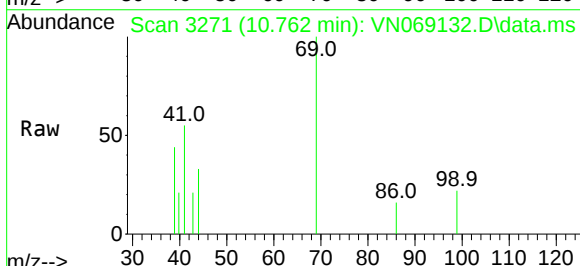
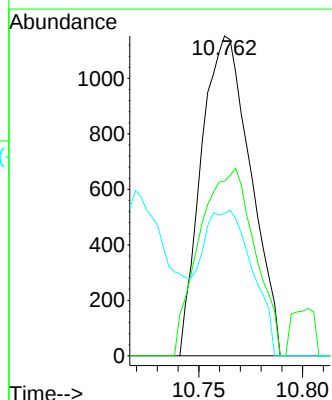
Tgt Ion: 69 Resp: 1902

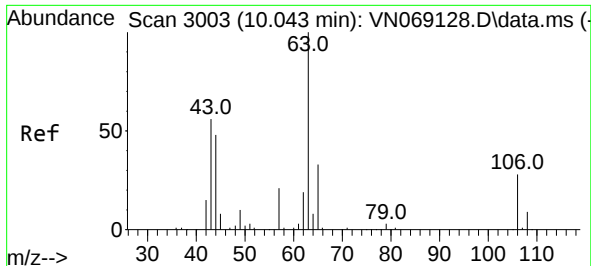
Ion Ratio Lower Upper

69 100

41 54.6 33.0 98.9

39 44.5 25.4 76.4

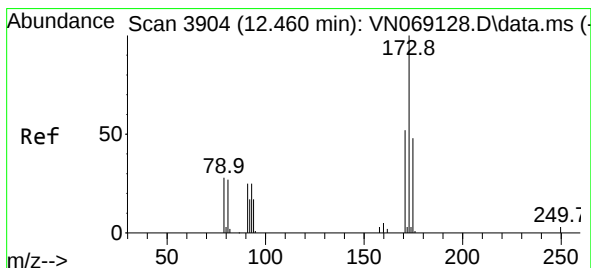
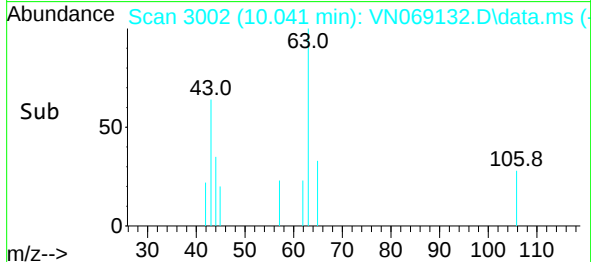
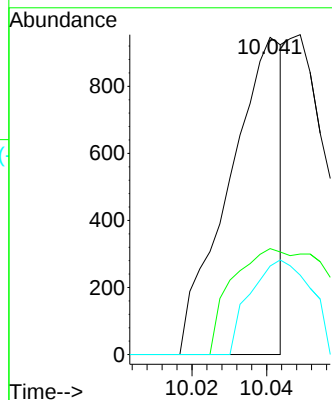
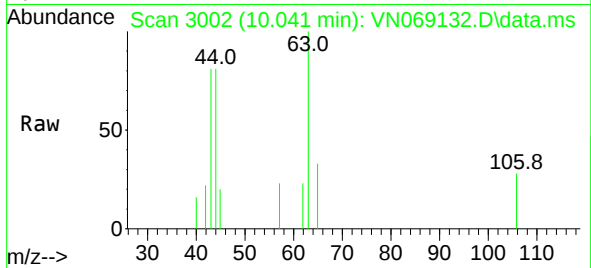




#55
2-Chloroethyl vinyl ether
Concen: 0.431 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. -0.002 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

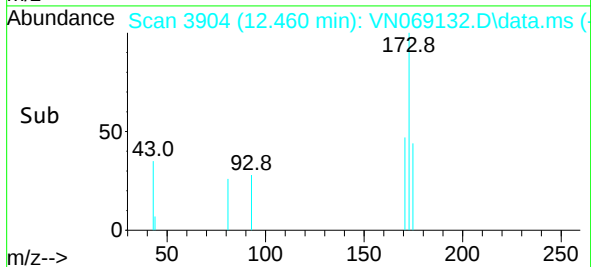
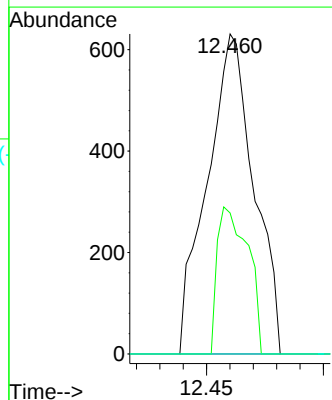
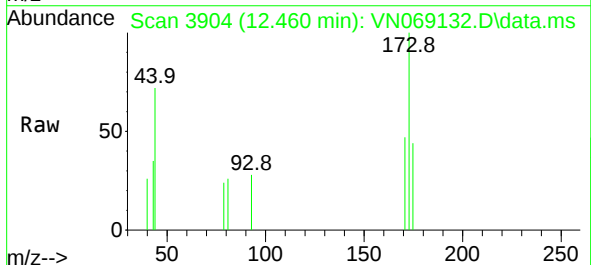
Instrument :
MSVOA_N
ClientSampleId :

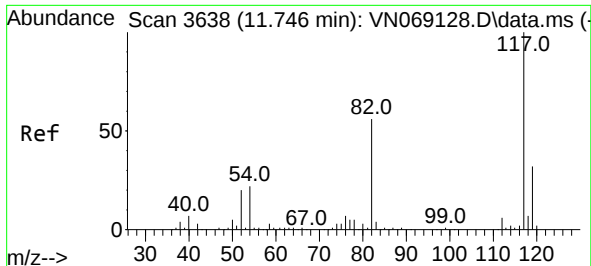
Tgt Ion: 63 Resp: 936
Ion Ratio Lower Upper
63 100
65 36.5 25.4 38.0
106 33.8 23.2 34.8



#56
Bromoform
Concen: 0.275 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 173 Resp: 876
Ion Ratio Lower Upper
173 100
175 30.1 38.6 58.0#
254 0.0 0.0 0.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.747 min Scan# 301178

Delta R.T. 0.000 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

Instrument :

MSVOA_N

ClientSampleId :

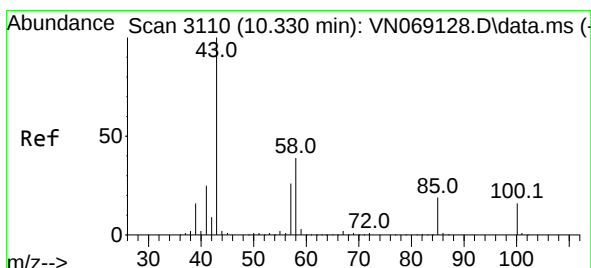
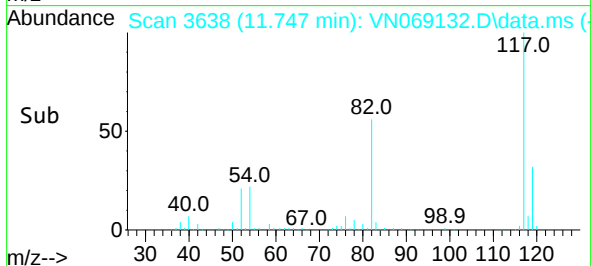
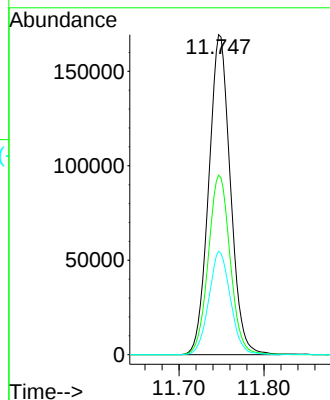
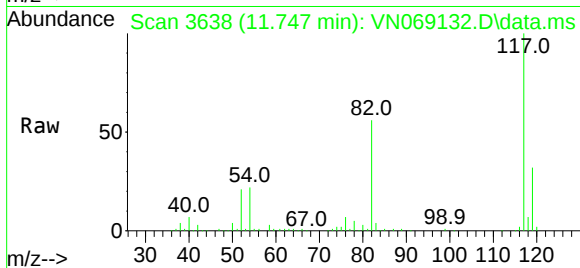
Tgt Ion:117 Resp: 300178

Ion Ratio Lower Upper

117 100

82 56.5 43.6 65.4

119 32.3 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 1.345 ug/l

RT: 10.336 min Scan# 3112

Delta R.T. 0.006 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

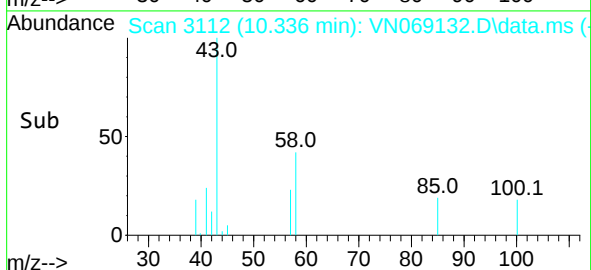
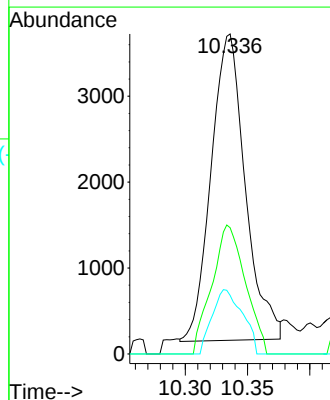
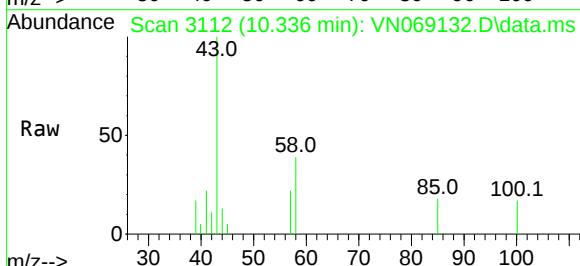
Tgt Ion: 43 Resp: 6809

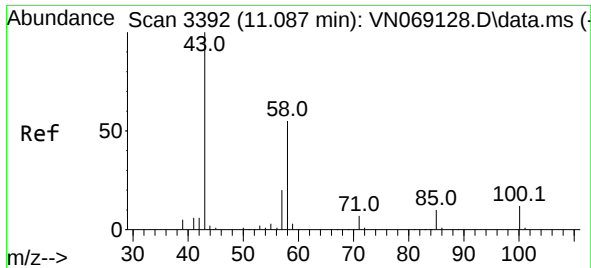
Ion Ratio Lower Upper

43 100

58 41.1 30.0 45.0

85 18.5 15.0 22.6

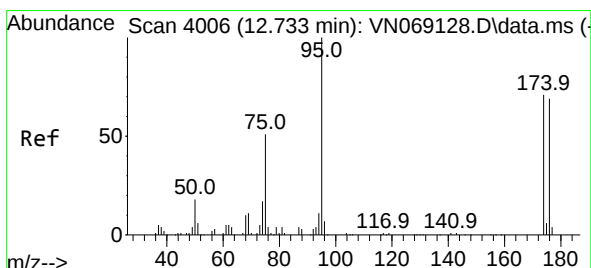
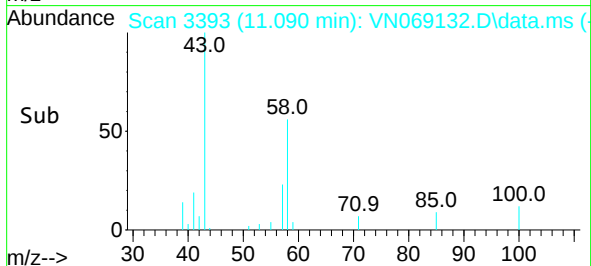
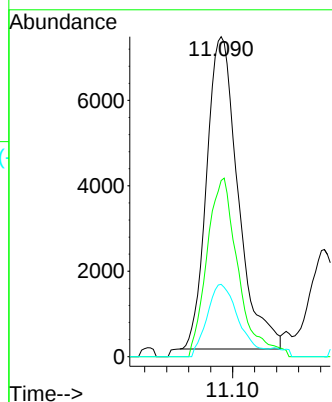
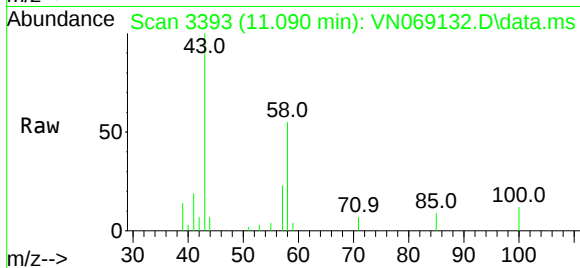




#59
2-Hexanone
Concen: 3.800 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

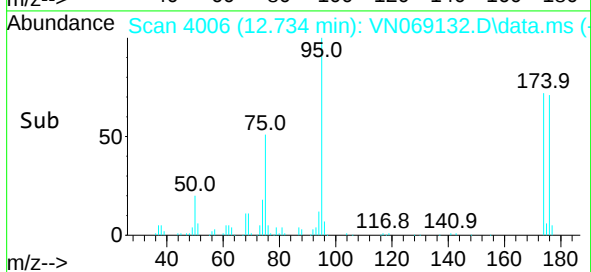
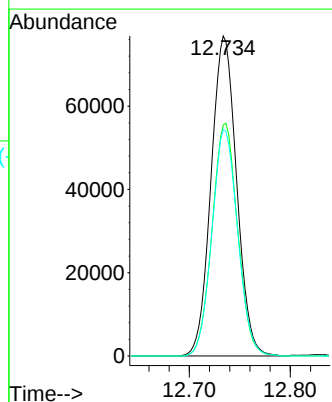
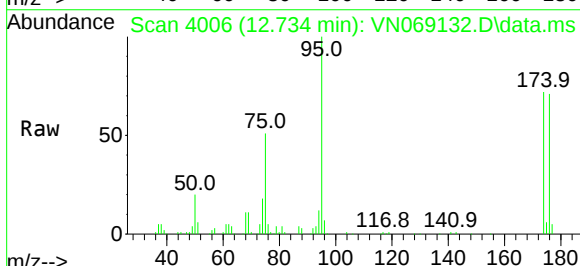
Instrument :
MSVOA_N
ClientSampleId :

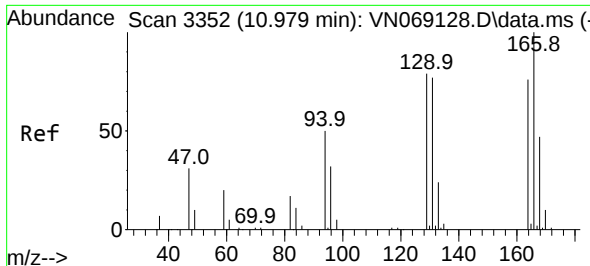
Tgt Ion: 43 Resp: 14532
Ion Ratio Lower Upper
43 100
58 56.7 42.2 63.2
57 23.4 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 26.225 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

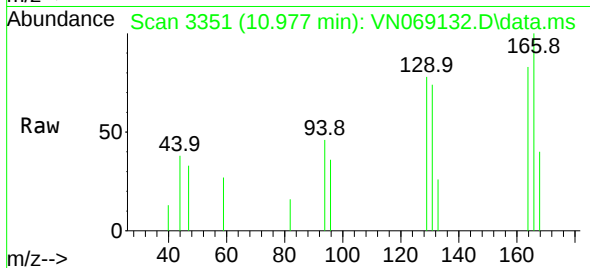
Tgt Ion: 95 Resp: 134984
Ion Ratio Lower Upper
95 100
174 72.7 62.9 94.3
176 71.2 61.0 91.4



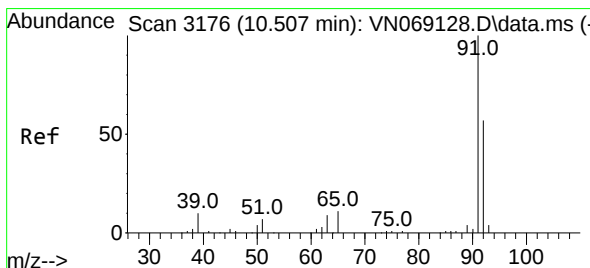
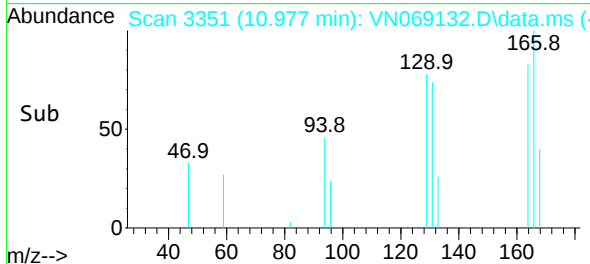
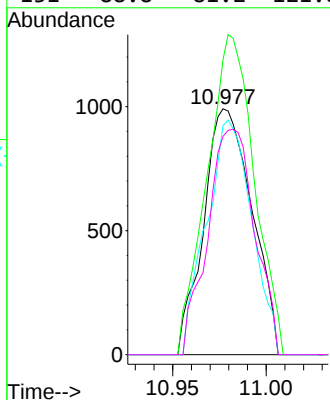


#61
Tetrachloroethene
Concen: 0.547 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Instrument :
MSVOA_N
ClientSampleId :

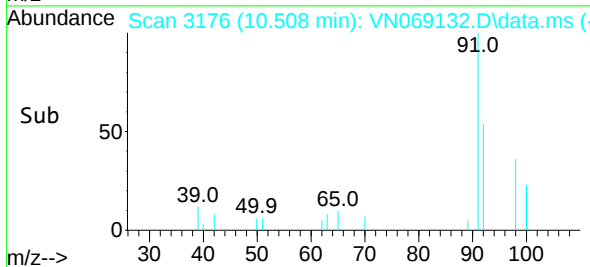
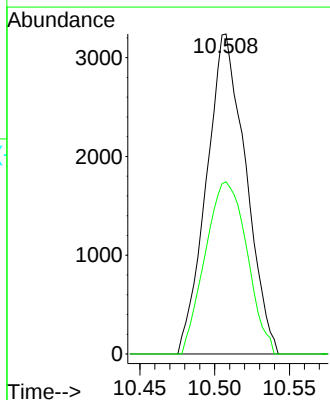
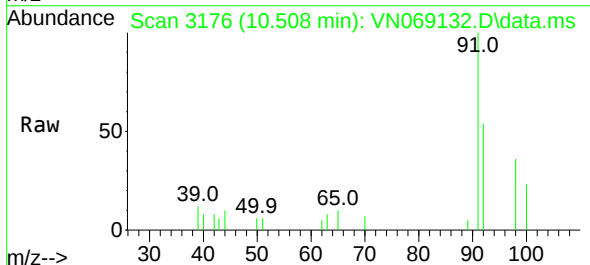


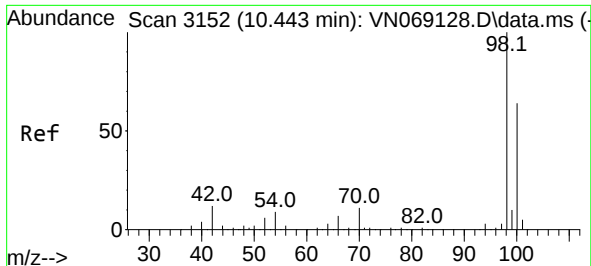
Tgt Ion:164 Resp: 1786
Ion Ratio Lower Upper
164 100
166 120.0 105.8 158.8
129 93.1 82.5 123.7
131 88.8 81.2 121.8



#62
Toluene
Concen: 0.338 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 91 Resp: 5917
Ion Ratio Lower Upper
91 100
92 57.3 44.6 67.0

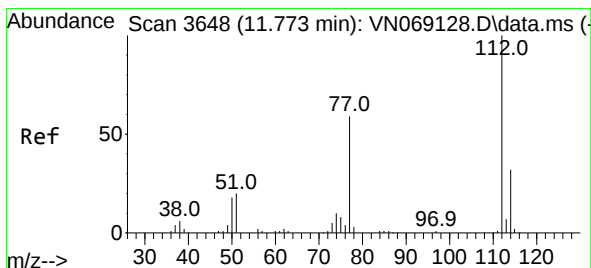
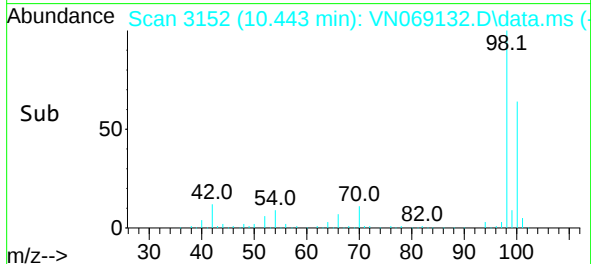
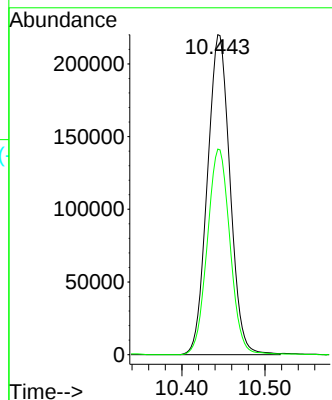
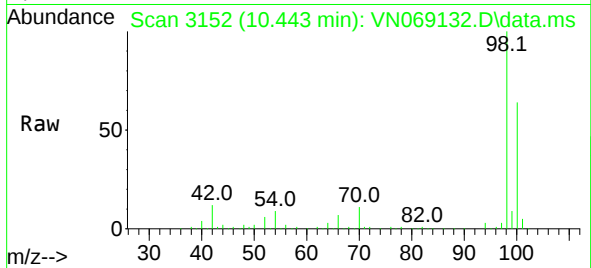




#63
Toluene-d8
Concen: 30.672 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

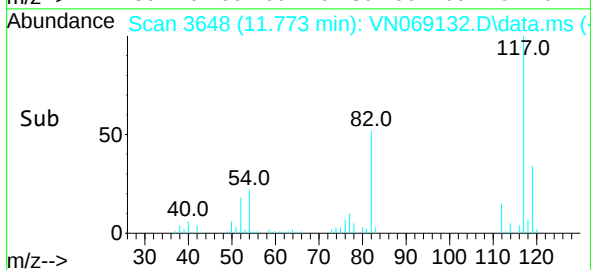
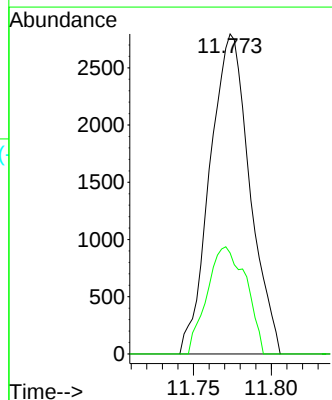
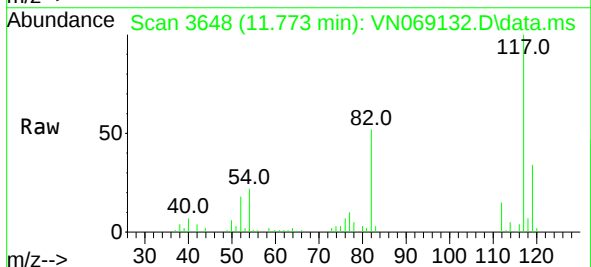
Instrument :
MSVOA_N
ClientSampleId :

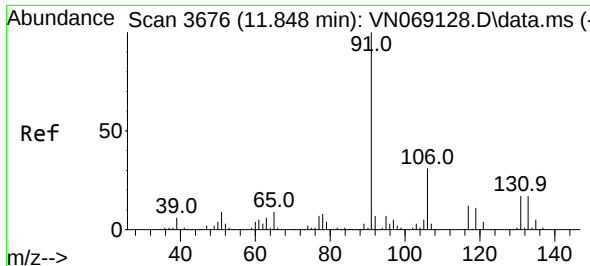
Tgt Ion: 98 Resp: 415974
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0



#64
Chlorobenzene
Concen: 0.468 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 112 Resp: 4965
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

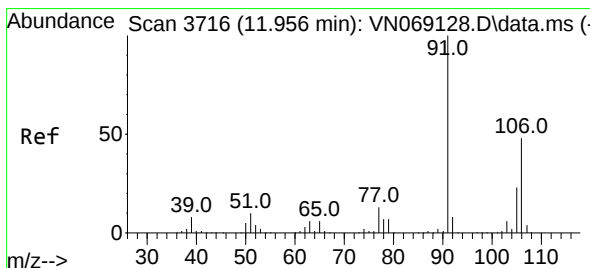
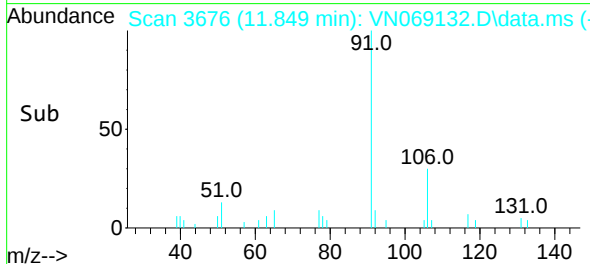
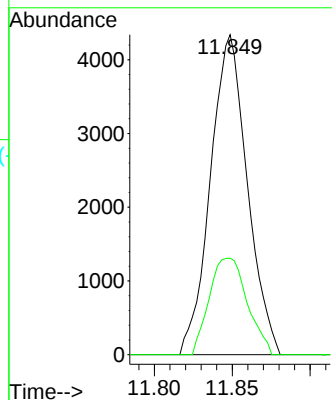
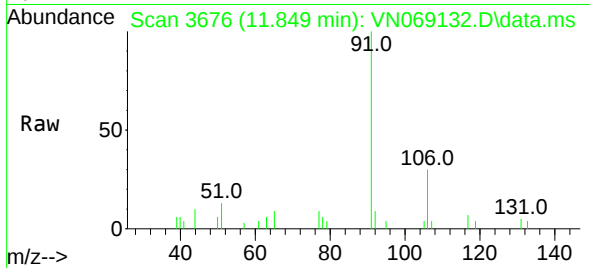




#66
Ethyl Benzene
Concen: 0.363 ug/l
RT: 11.849 min Scan# 3676
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

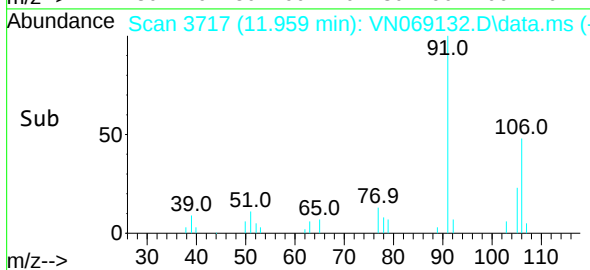
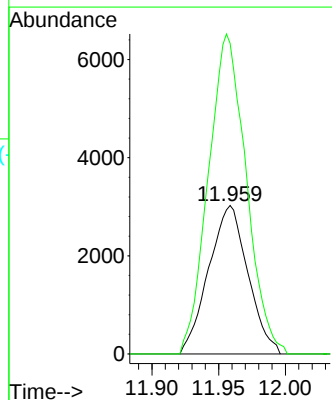
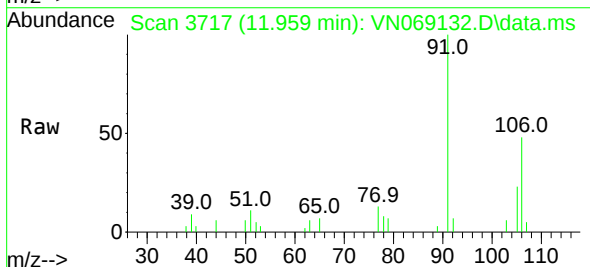
Instrument :
MSVOA_N
ClientSampleId :

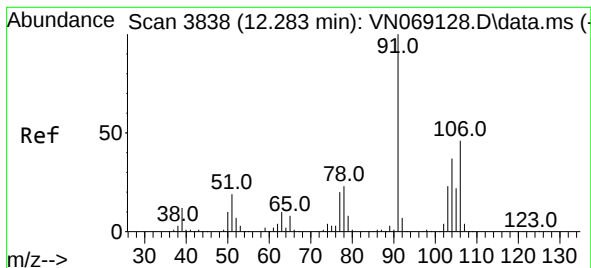
Tgt Ion: 91 Resp: 7138
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#67
m/p-Xylenes
Concen: 0.837 ug/l
RT: 11.959 min Scan# 3717
Delta R.T. 0.003 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 106 Resp: 6190
Ion Ratio Lower Upper
106 100
91 207.6 162.9 244.3





#68

o-Xylene

Concen: 0.275 ug/l

RT: 12.283 min Scan# 3838

Delta R.T. 0.000 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

Instrument :

MSVOA_N

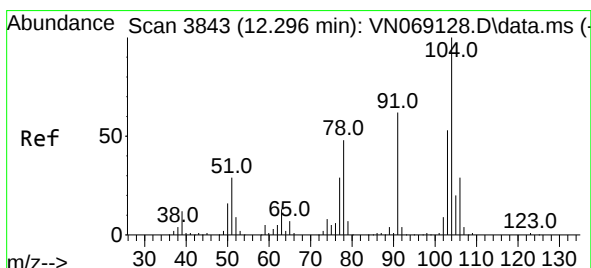
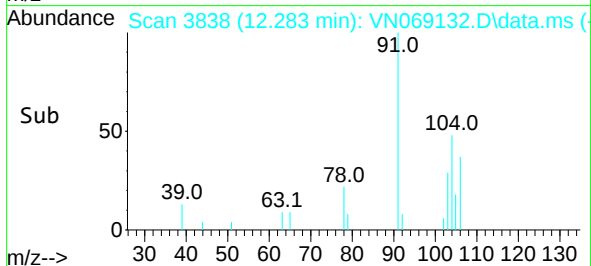
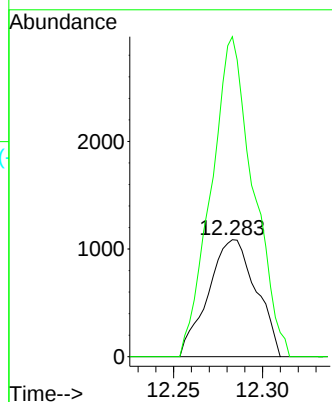
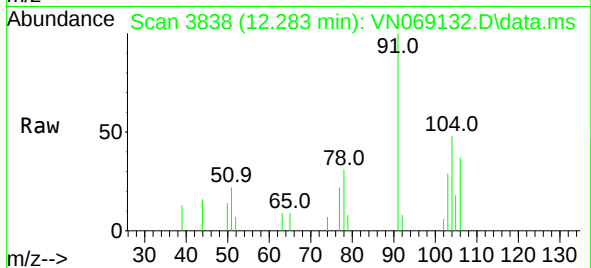
ClientSampleId :

Tgt Ion:106 Resp: 2033

Ion Ratio Lower Upper

106 100

91 240.9 107.7 323.1



#69

Styrene

Concen: 0.512 ug/l

RT: 12.296 min Scan# 3843

Delta R.T. 0.000 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

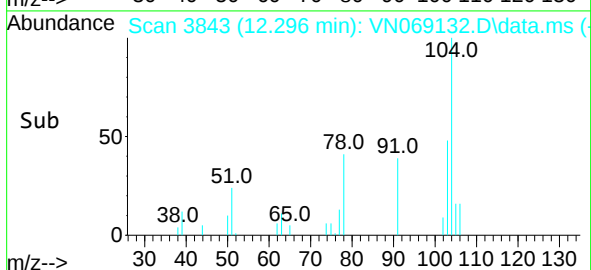
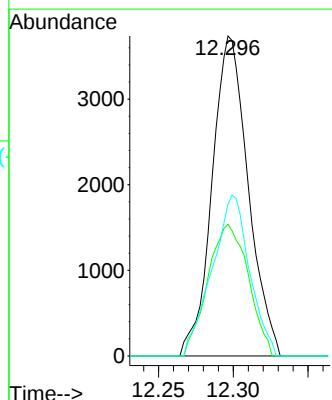
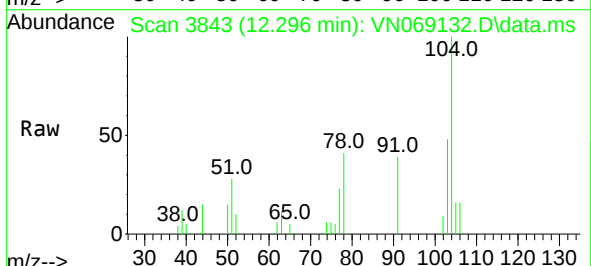
Tgt Ion:104 Resp: 6281

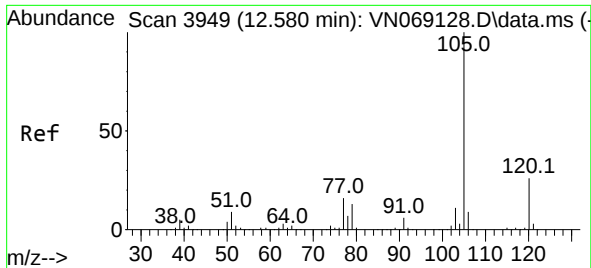
Ion Ratio Lower Upper

104 100

78 46.2 40.7 61.1

103 52.2 45.8 68.8

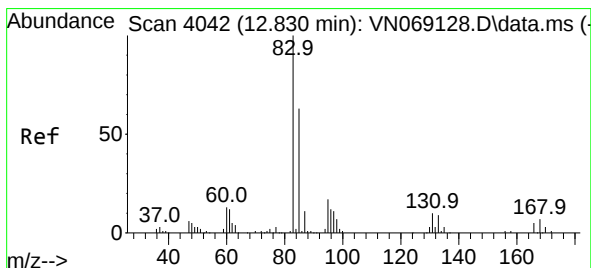
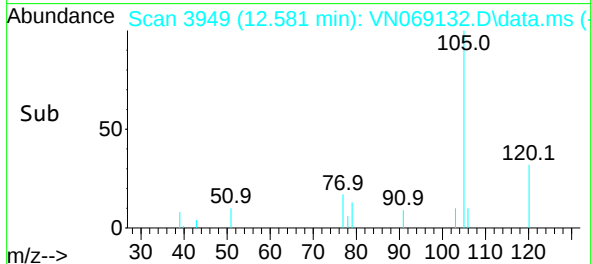
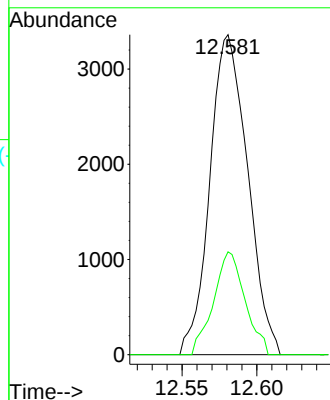
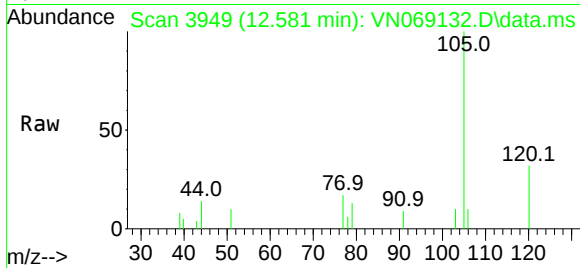




#70
Isopropylbenzene
Concen: 0.305 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

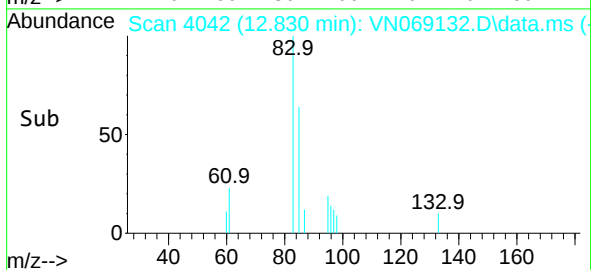
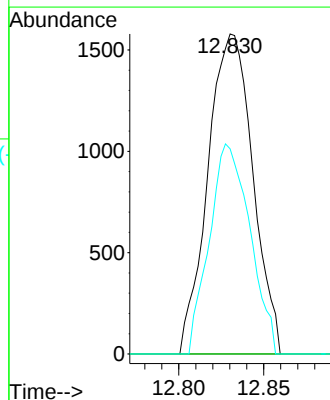
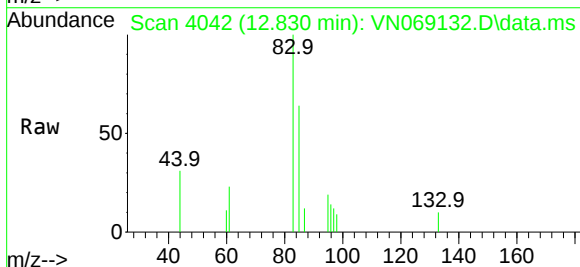
Instrument :
MSVOA_N
ClientSampleId :

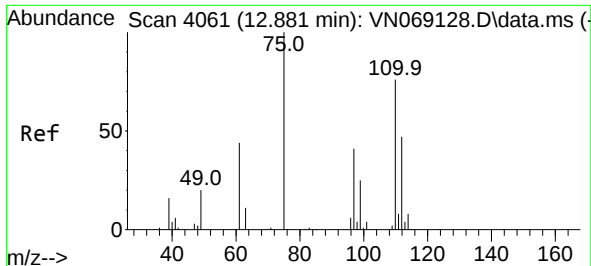
Tgt Ion:105 Resp: 5912
Ion Ratio Lower Upper
105 100
120 26.9 18.3 34.1



#71
1,1,2,2-Tetrachloroethane
Concen: 0.511 ug/l
RT: 12.830 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 83 Resp: 2907
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 59.2 33.1 99.2

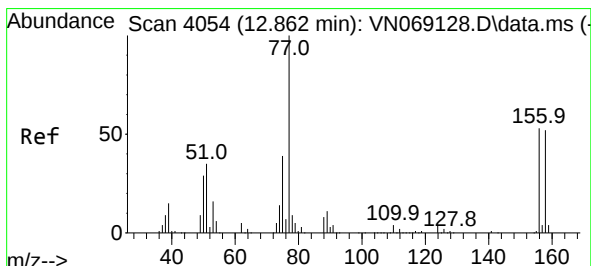
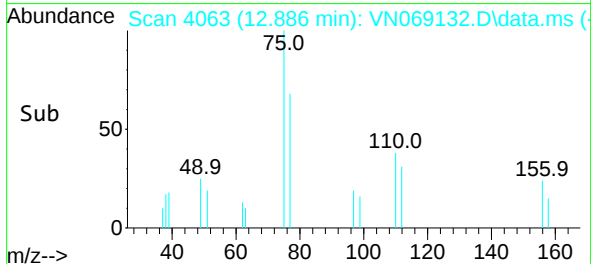
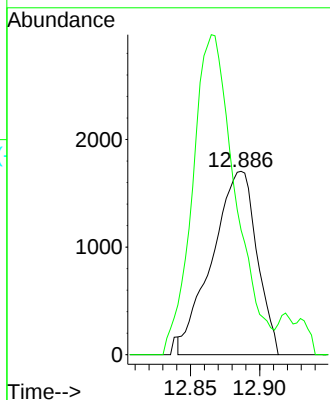
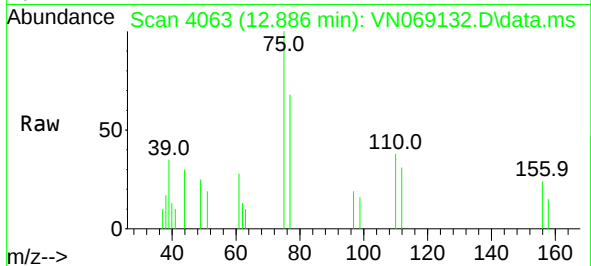




#72
1,2,3-Trichloropropane
Concen: 0.784 ug/l
RT: 12.886 min Scan# 4063
Delta R.T. 0.006 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

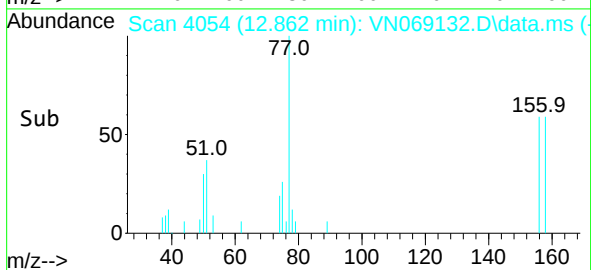
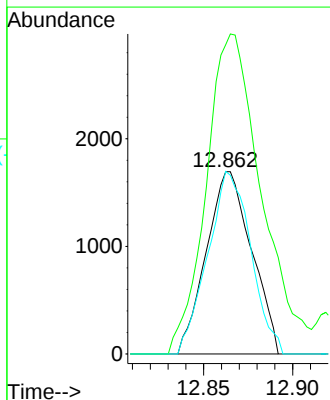
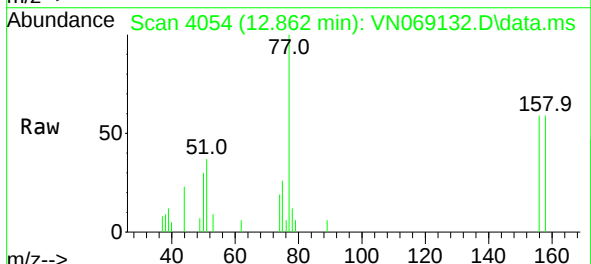
Instrument :
MSVOA_N
ClientSampleId :

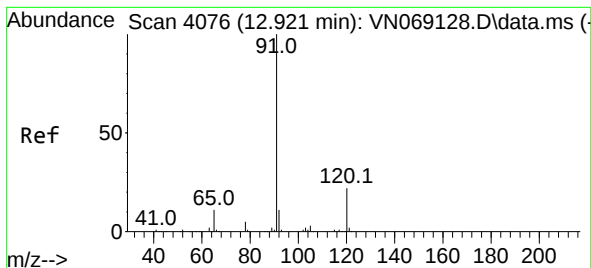
Tgt Ion: 75 Resp: 3833
Ion Ratio Lower Upper
75 100
77 166.8 0.0 378.0



#73
Bromobenzene
Concen: 0.680 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion: 156 Resp: 2992
Ion Ratio Lower Upper
156 100
77 213.7 0.0 416.0
158 95.5 0.0 195.4





#74

n-propylbenzene

Concen: 0.563 ug/l

RT: 12.924 min Scan# 4076

Delta R.T. 0.003 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

Instrument :

MSVOA_N

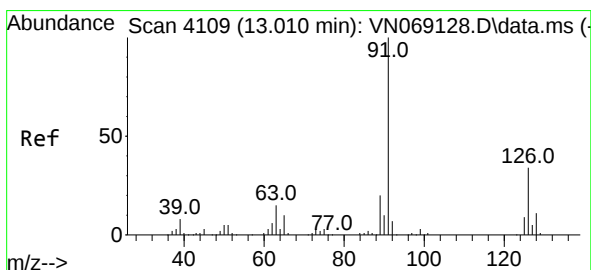
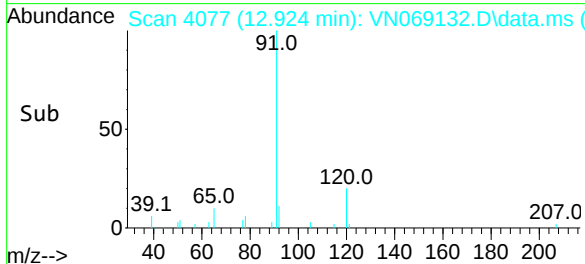
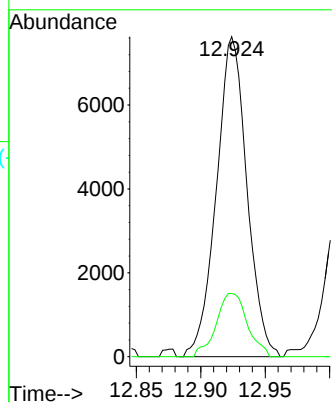
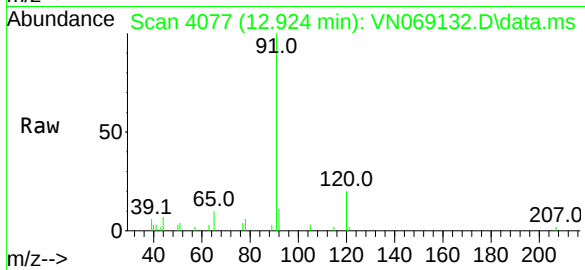
ClientSampleId :

Tgt Ion: 91 Resp: 12548

Ion Ratio Lower Upper

91 100

120 20.2 0.0 45.0



#75

2-Chlorotoluene

Concen: 0.513 ug/l

RT: 13.010 min Scan# 4109

Delta R.T. 0.000 min

Lab File: VN069132.D

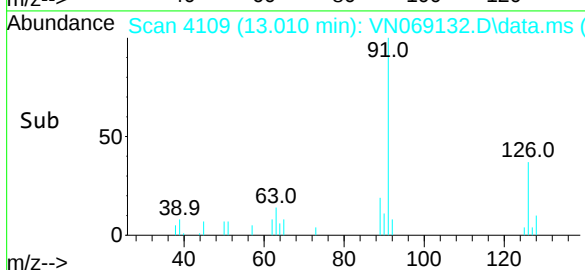
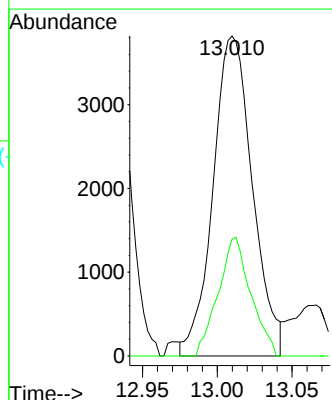
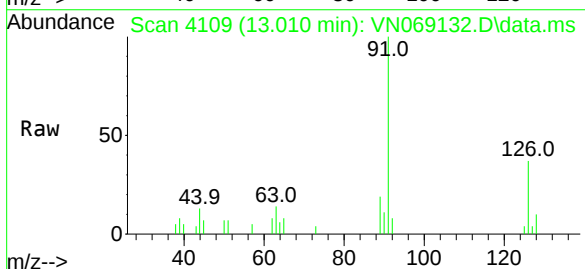
Acq: 22 Oct 2021 13:17

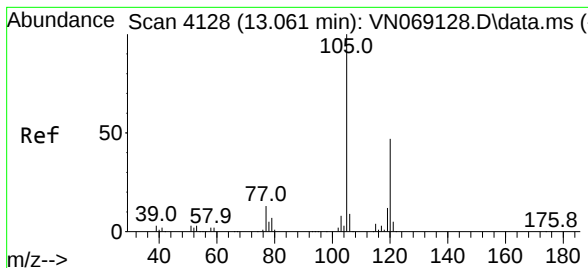
Tgt Ion: 91 Resp: 7007

Ion Ratio Lower Upper

91 100

126 30.6 0.0 69.8





#76

1,3,5-Trimethylbenzene

Concen: 0.431 ug/l

RT: 13.063 min Scan# 4129

Delta R.T. 0.003 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

Instrument :

MSVOA_N

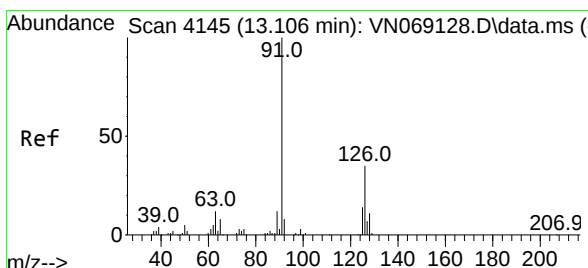
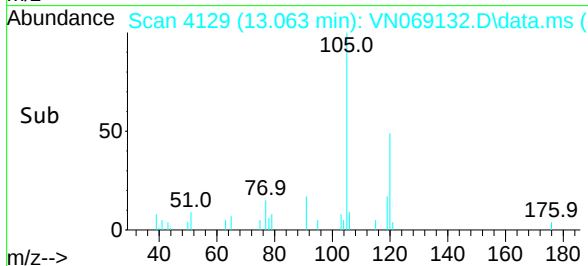
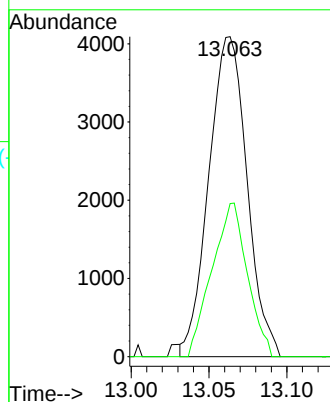
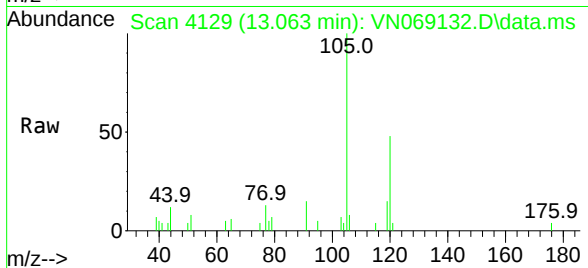
ClientSampleId :

Tgt Ion:105 Resp: 6975

Ion Ratio Lower Upper

105 100

120 44.4 0.0 93.8



#78

4-Chlorotoluene

Concen: 0.861 ug/l

RT: 13.109 min Scan# 4146

Delta R.T. 0.003 min

Lab File: VN069132.D

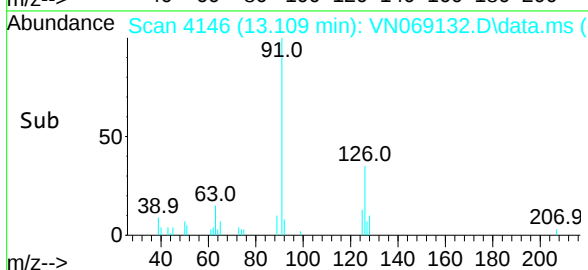
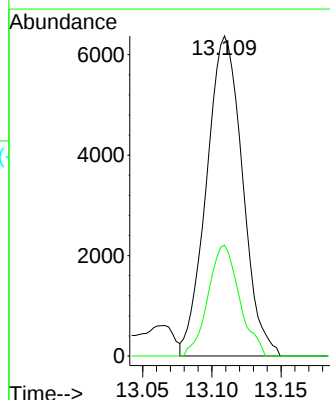
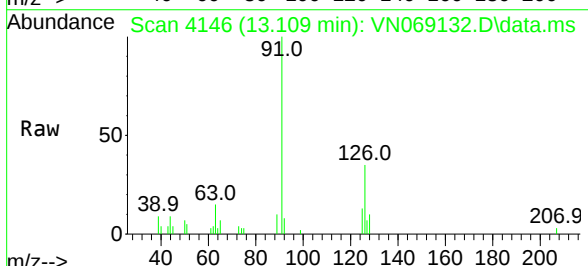
Acq: 22 Oct 2021 13:17

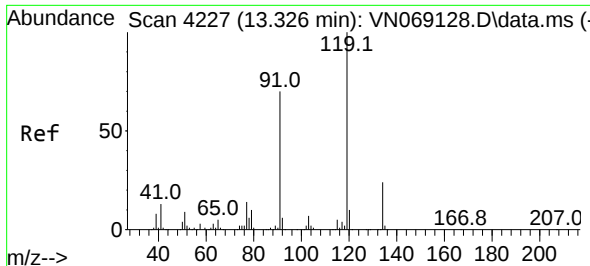
Tgt Ion: 91 Resp: 11511

Ion Ratio Lower Upper

91 100

126 30.1 0.0 70.6

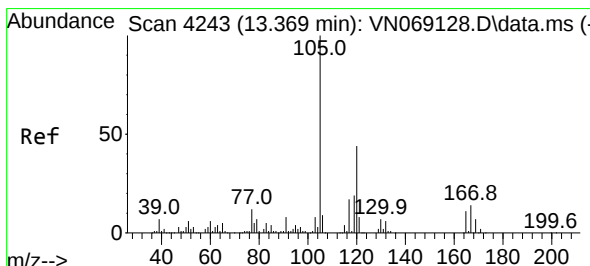
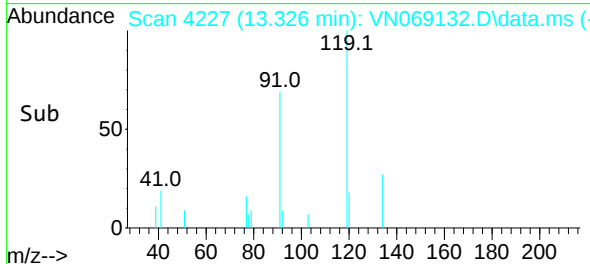
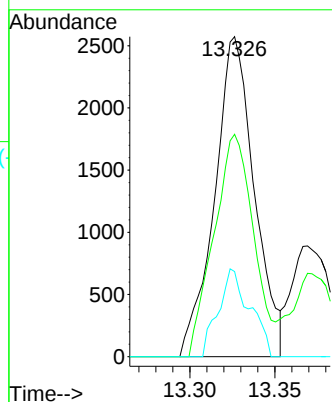
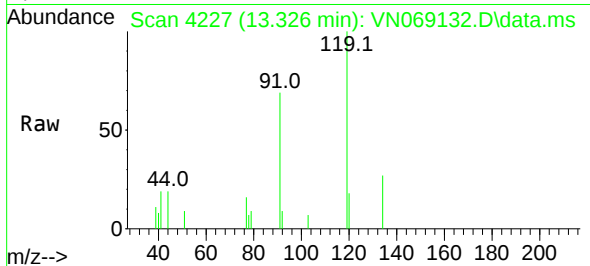




#79
tert-butylbenzene
Concen: 0.295 ug/l
RT: 13.326 min Scan# 4227
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

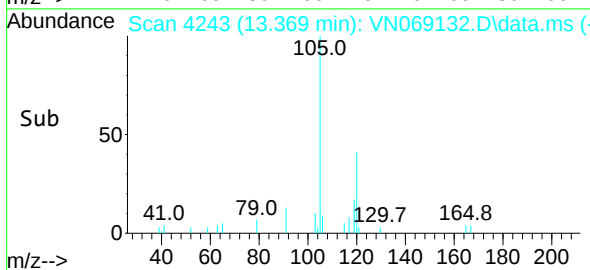
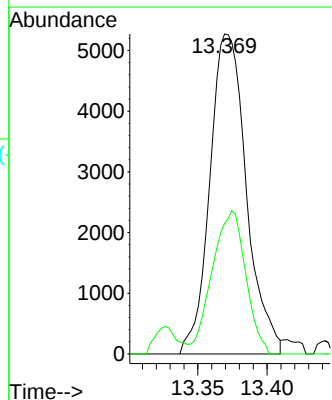
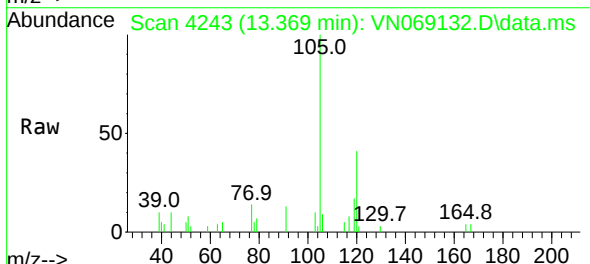
Instrument :
MSVOA_N
ClientSampleId :

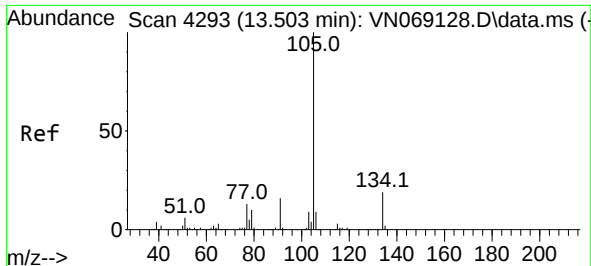
Tgt Ion:119	Resp:	4190
Ion	Ratio	Lower Upper
119	100	
91	69.5	0.0 137.0
134	17.2	0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 0.608 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion:105	Resp:	9659
Ion	Ratio	Lower Upper
105	100	
120	41.2	0.0 0.2#

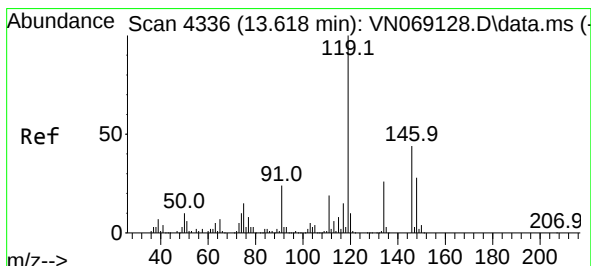
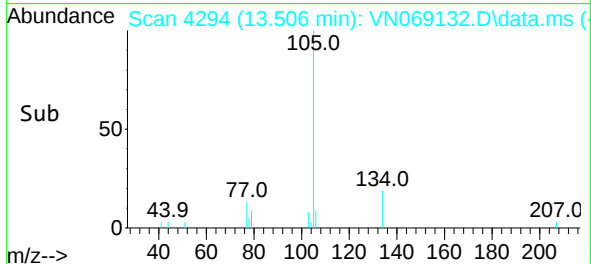
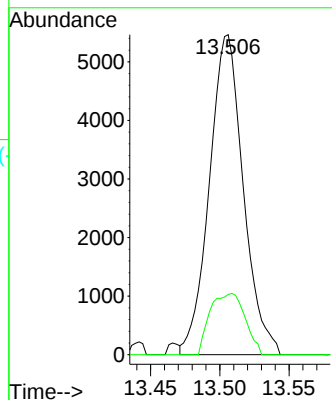
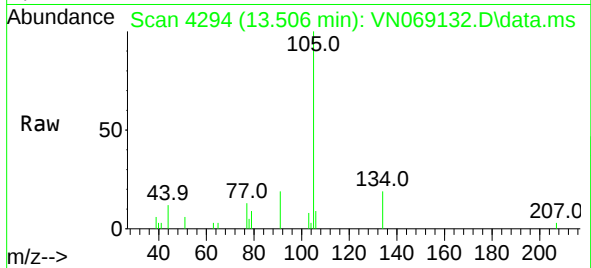




#81
 sec-Butylbenzene
 Concen: 0.468 ug/l
 RT: 13.506 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

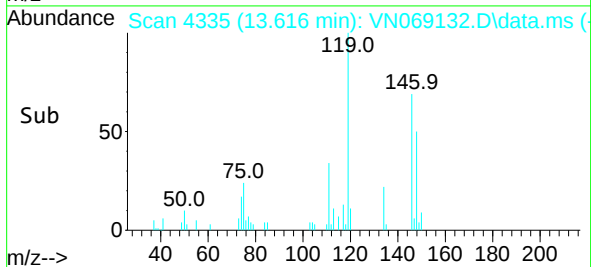
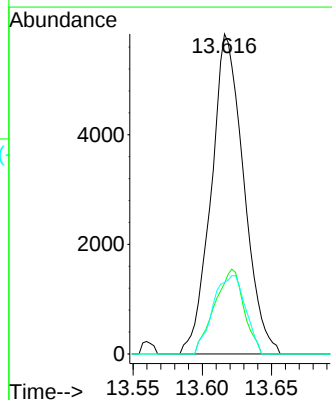
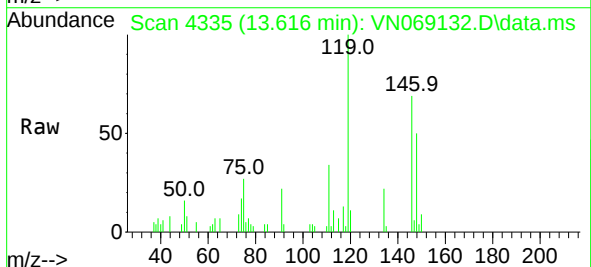
Instrument :
 MSVOA_N
 ClientSampleId :

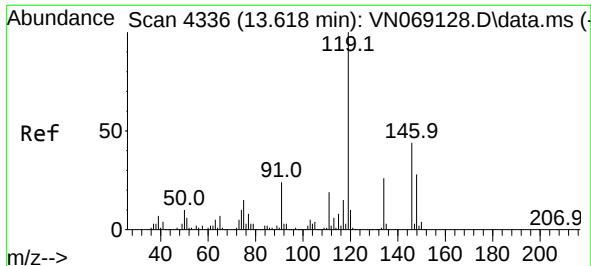
Tgt Ion:105 Resp: 9310
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 0.587 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.002 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

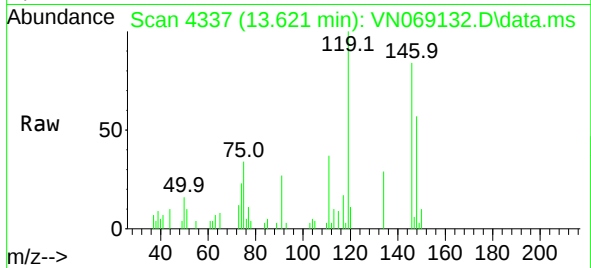
Tgt Ion:119 Resp: 9513
 Ion Ratio Lower Upper
 119 100
 134 23.8 0.0 51.8
 91 24.5 0.0 50.4



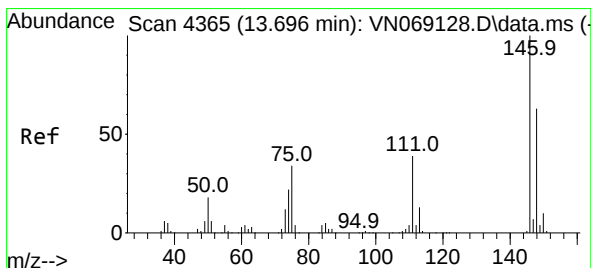
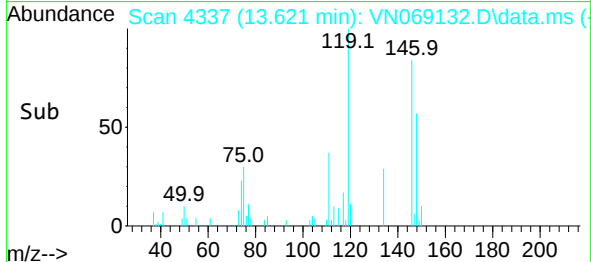
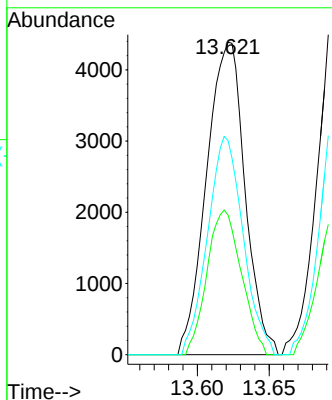


#83
 1,3-Dichlorobenzene
 Concen: 1.053 ug/l
 RT: 13.621 min Scan# 4337
 Delta R.T. 0.003 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

Instrument :
 MSVOA_N
 ClientSampleId :

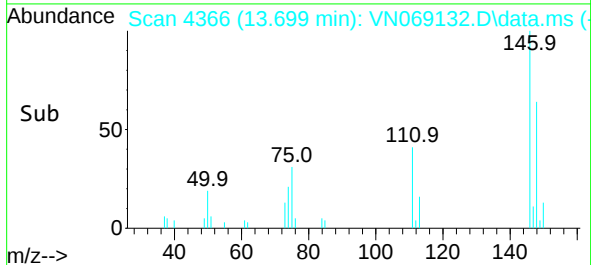
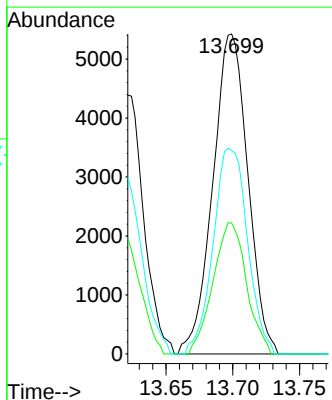
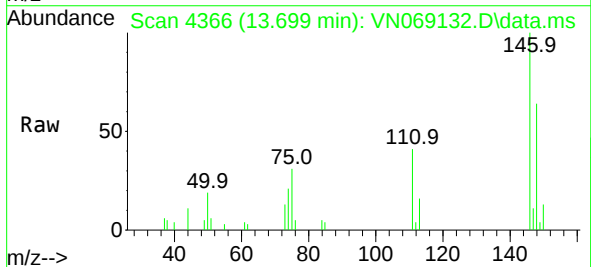


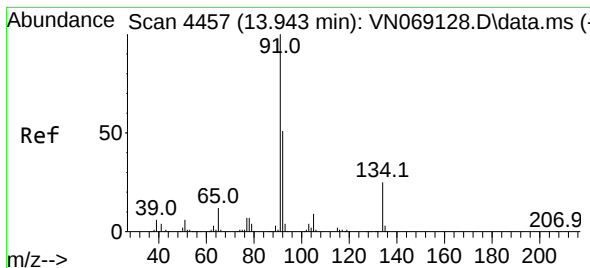
Tgt Ion:146 Resp: 8154
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.8 62.2
 148 64.7 31.4 94.3



#84
 1,4-Dichlorobenzene
 Concen: 1.314 ug/l
 RT: 13.699 min Scan# 4366
 Delta R.T. 0.003 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

Tgt Ion:146 Resp: 9907
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.5 58.5
 148 63.1 31.1 93.5





#85

n-Butylbenzene

Concen: 1.109 ug/l

RT: 13.946 min Scan# 4458

Delta R.T. 0.003 min

Lab File: VN069132.D

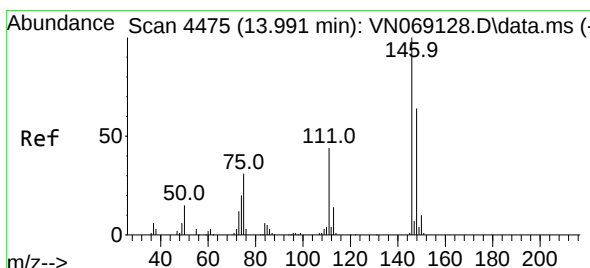
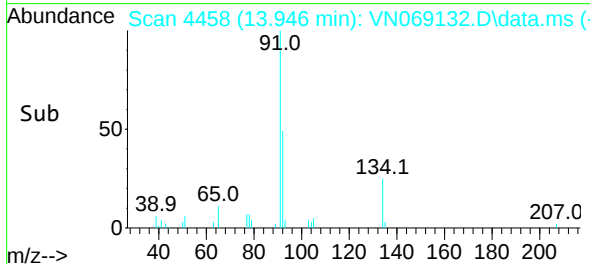
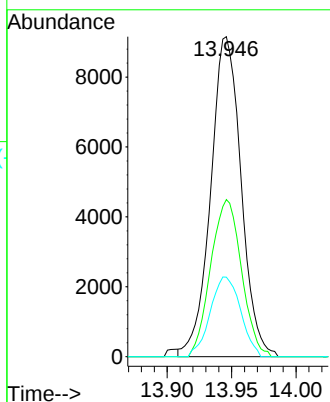
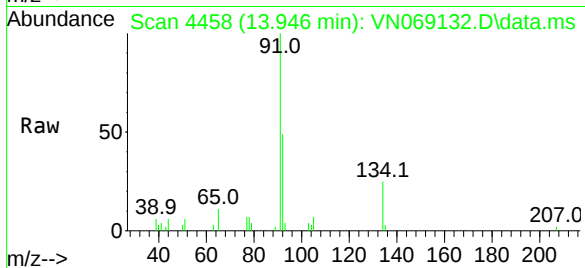
Acq: 22 Oct 2021 13:17

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 15037
Ion Ratio	Lower Upper
91	100
92	49.6 0.0 100.6
134	24.8 0.0 50.2



#87

1,2-Dichlorobenzene

Concen: 0.994 ug/l

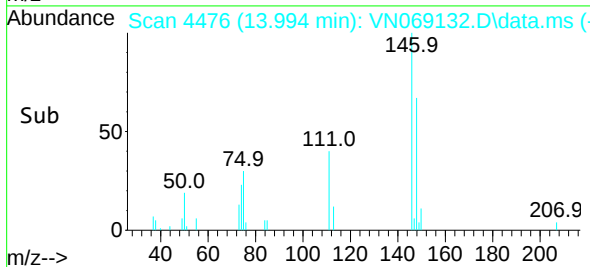
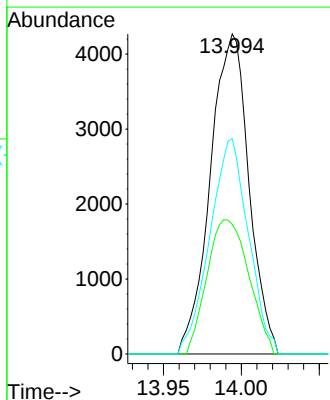
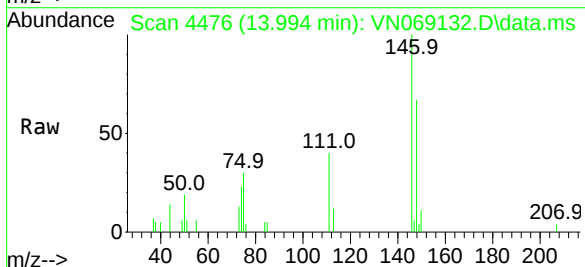
RT: 13.994 min Scan# 4476

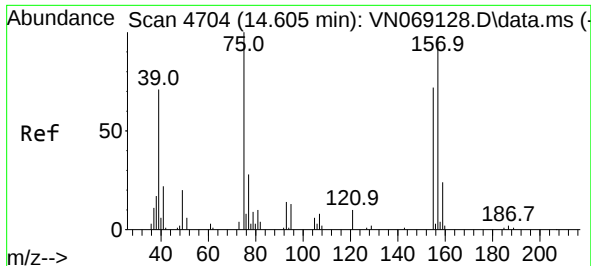
Delta R.T. 0.003 min

Lab File: VN069132.D

Acq: 22 Oct 2021 13:17

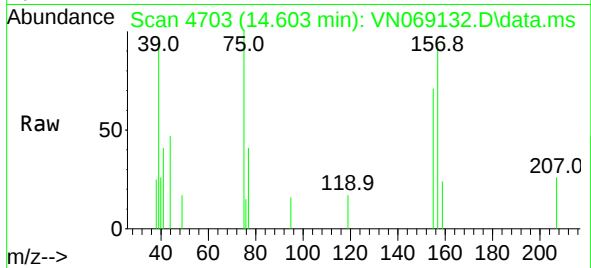
Tgt Ion: 146	Resp: 7355
Ion Ratio	Lower Upper
146	100
111	45.4 21.4 64.2
148	67.2 32.5 97.4



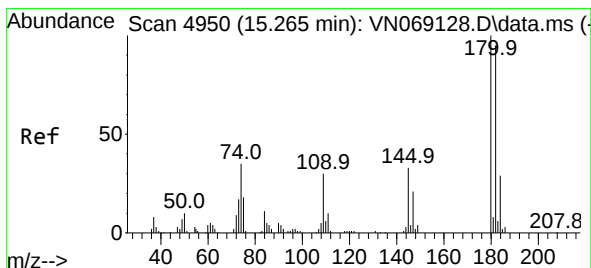
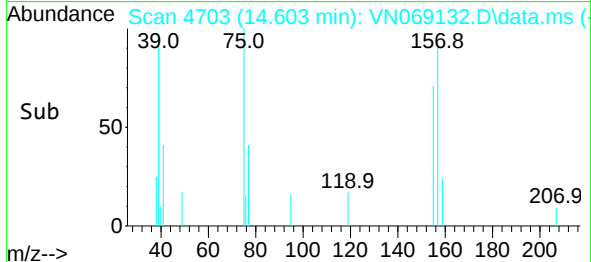
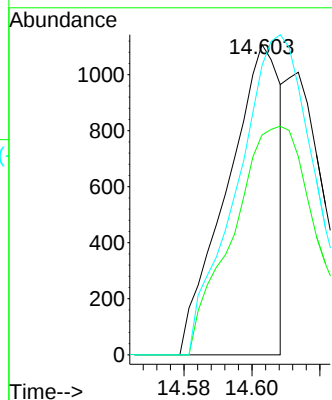


#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.137 ug/l
 RT: 14.603 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

Instrument :
 MSVOA_N
 ClientSampleId :

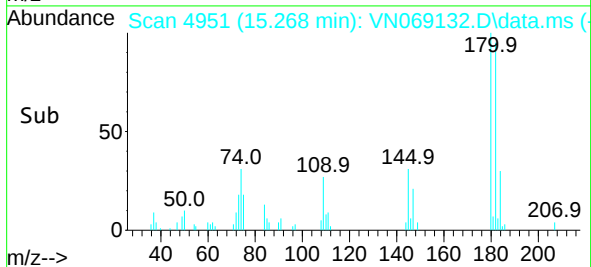
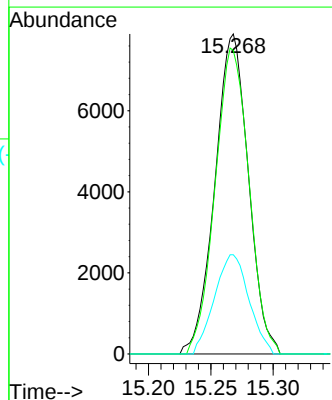
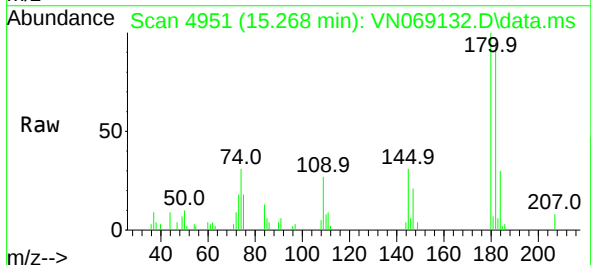


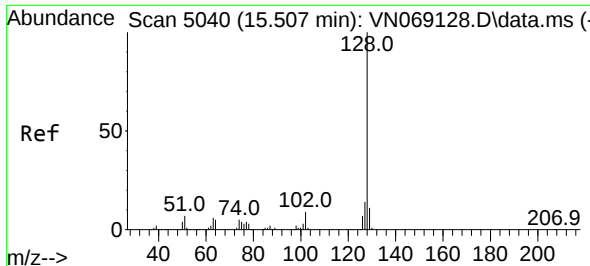
Tgt Ion: 75 Resp: 1205
 Ion Ratio Lower Upper
 75 100
 155 112.7 63.8 95.8#
 157 151.7 77.9 116.9#



#89
 1,2,4-Trichlorobenzene
 Concen: 3.956 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. 0.003 min
 Lab File: VN069132.D
 Acq: 22 Oct 2021 13:17

Tgt Ion:180 Resp: 14760
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.7 116.5
 145 31.9 26.6 39.8

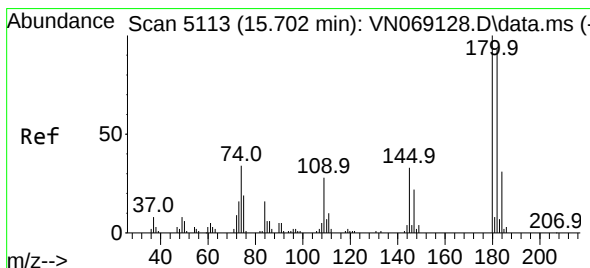
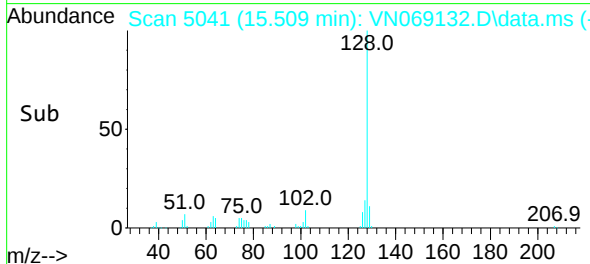
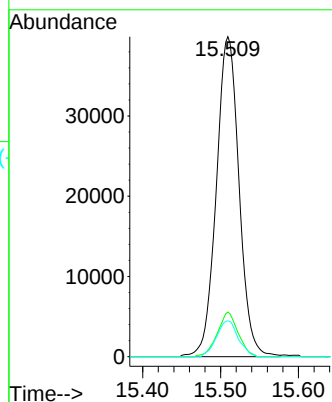
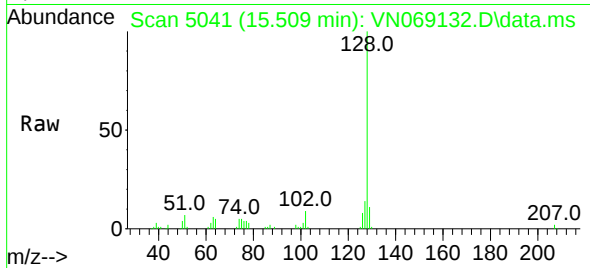




#91
Naphthalene
Concen: 7.480 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 80714
Ion Ratio Lower Upper
128 100
127 12.7 10.7 16.1
129 10.7 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 5.385 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069132.D
Acq: 22 Oct 2021 13:17

Tgt Ion:180 Resp: 19201
Ion Ratio Lower Upper
180 100
182 95.1 0.0 190.0
145 34.8 0.0 67.8

