

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068513.D
 Acq On : 17 Sep 2021 11:39
 Operator : JC/MD
 Sample : VN0917WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBL01

Quant Time: Sep 20 03:54:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

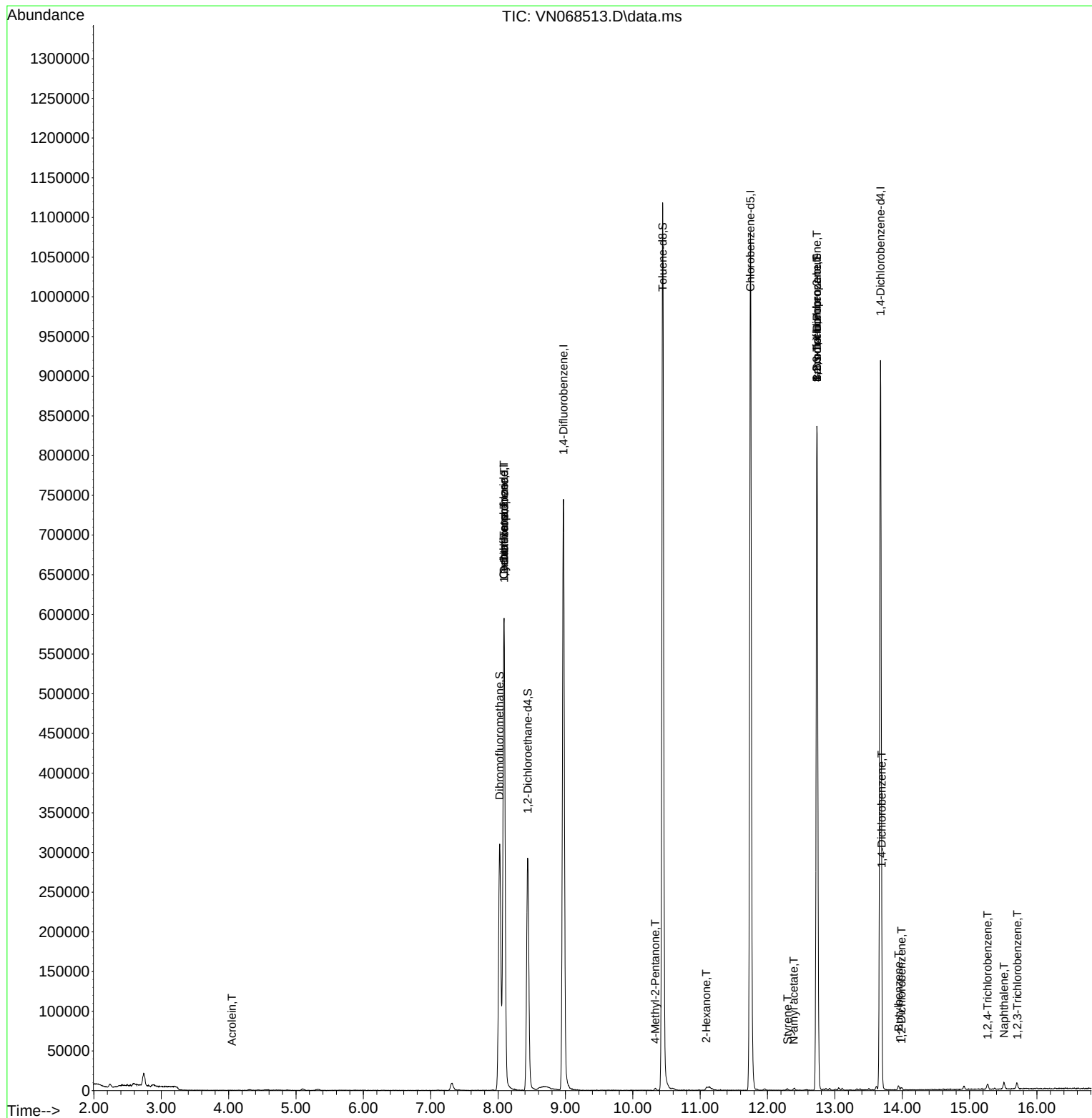
Internal Standards						
1) Pentafluorobenzene	8.088	168	499519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	733816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	724560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	289453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	253137	55.245	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.480%			
35) Dibromofluoromethane	8.024	113	230149	52.001	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.000%			
50) Toluene-d8	10.443	98	850722	47.090	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.180%			
62) 4-Bromofluorobenzene	12.734	95	275724	46.407	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.820%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	549	Below Cal	#	42
5) Bromomethane	2.883	94	1845	Below Cal		84
11) Tert butyl alcohol	5.331	59	805	Below Cal	#	84
13) Acrolein	4.049	56	90	0.265 ug/l	#	14
16) Acetone	4.304	43	1160	Below Cal		91
18) Methyl Acetate	4.865	43	372	Below Cal	#	73
20) Methylene Chloride	5.095	84	1261	Below Cal	#	63
31) Cyclohexane	8.086	56	8064	1.161 ug/l	#	44
36) 1,1-Dichloropropene	8.091	75	32081	5.244 ug/l	#	47
38) Carbon Tetrachloride	8.086	117	46328	6.321 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.333	43	1749	0.373 ug/l		98
59) 2-Hexanone	11.092	43	3699	1.178 ug/l		81
70) Styrene	12.299	104	939	1.807 ug/l	#	62
71) Bromoform	12.734	173	3762	3.173 ug/l	#	1
74) N-amyl acetate	12.390	43	1467	0.319 ug/l	#	79
76) 1,2,3-Trichloropropane	12.734	75	131775	32.726 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.734	75	131775	100.893 ug/l	#	13
88) 1,4-Dichlorobenzene	13.696	146	2139	0.220 ug/l	#	1
89) n-Butylbenzene	13.946	91	3591	0.290 ug/l		94
91) 1,2-Dichlorobenzene	13.989	146	1927	0.202 ug/l		67
93) 1,2,4-Trichlorobenzene	15.268	180	2827	3.451 ug/l		94
95) Naphthalene	15.509	128	9026	4.229 ug/l		96
96) 1,2,3-Trichlorobenzene	15.708	180	3475	3.615 ug/l		92

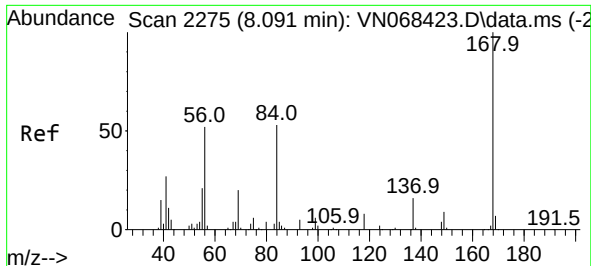
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 17 11:02:11 2021
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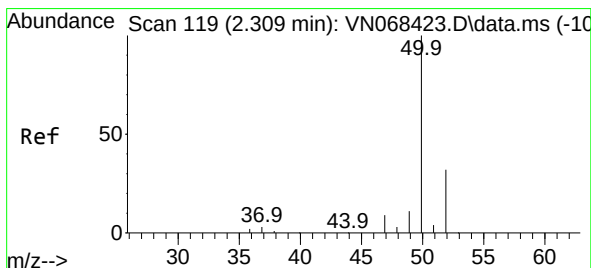
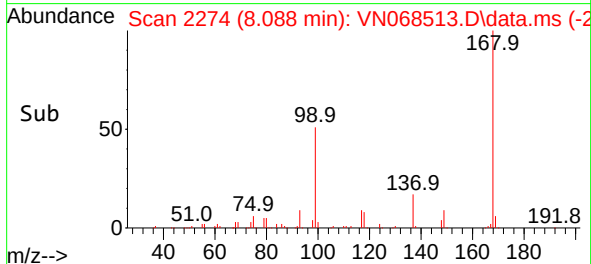
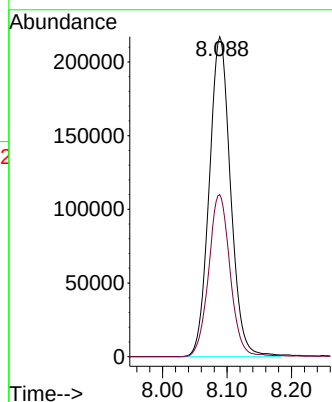
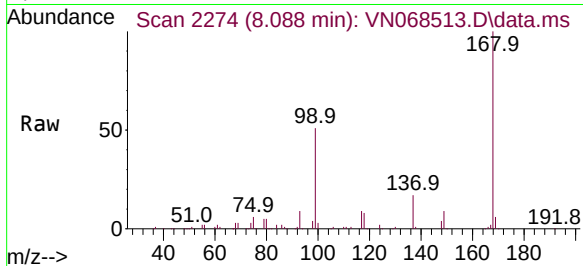




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

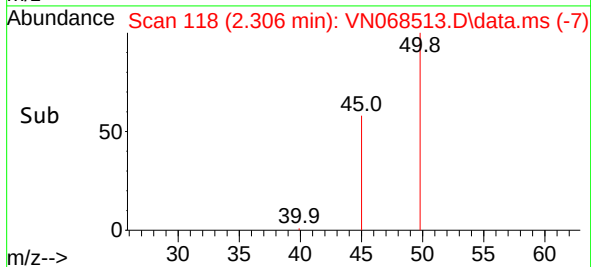
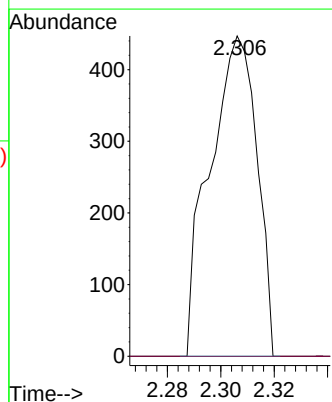
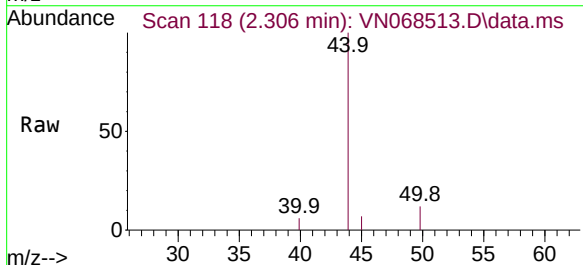
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

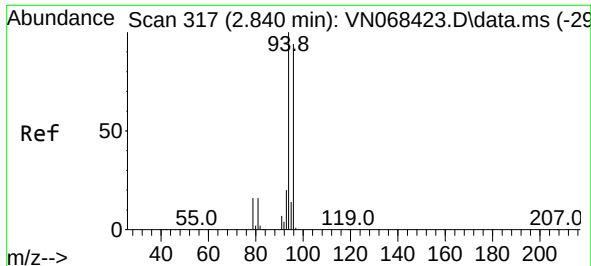
Tgt Ion:168 Resp: 499519
Ion Ratio Lower Upper
168 100
99 50.6 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. -0.003 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion: 50 Resp: 549
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

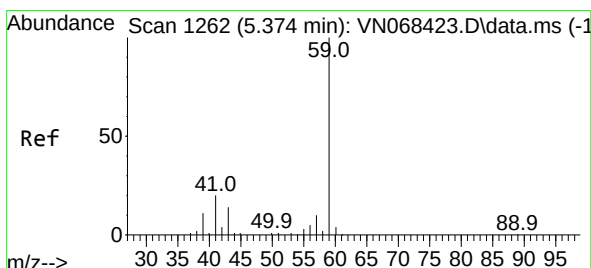
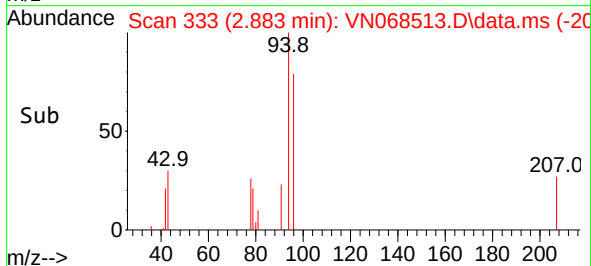
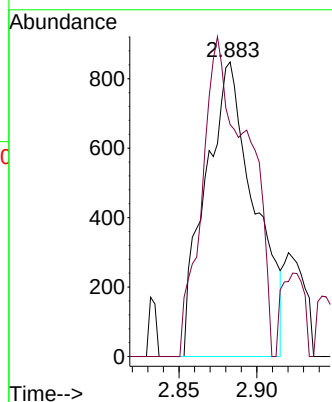
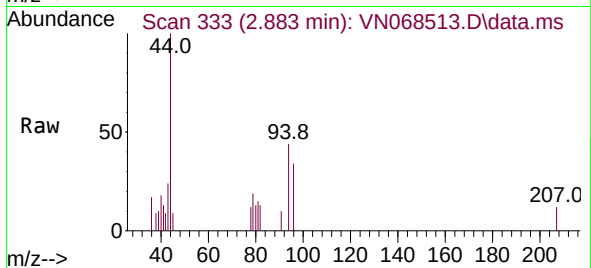




#5
Bromomethane
Concen: Below Cal
RT: 2.883 min Scan# 333
Delta R.T. 0.043 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

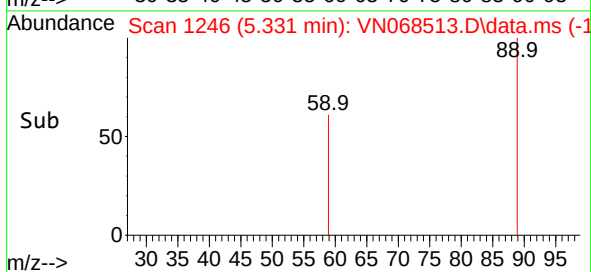
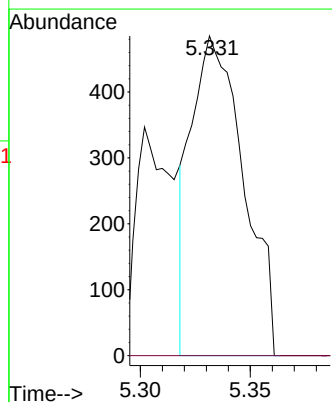
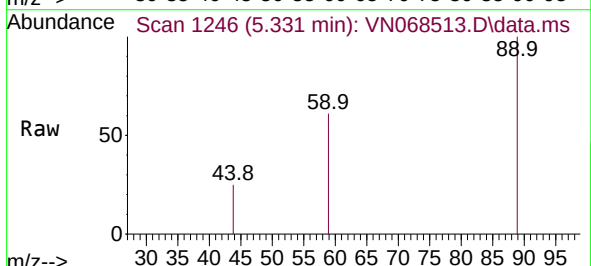
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

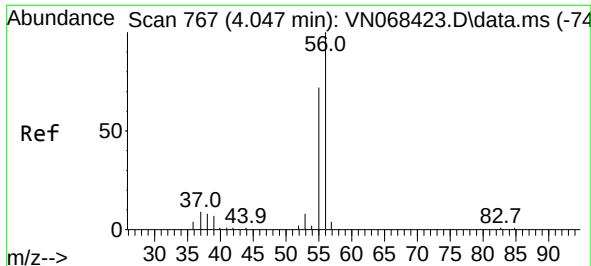
Tgt Ion: 94 Resp: 1845
Ion Ratio Lower Upper
94 100
96 78.8 75.4 113.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.331 min Scan# 1246
Delta R.T. -0.043 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion: 59 Resp: 805
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

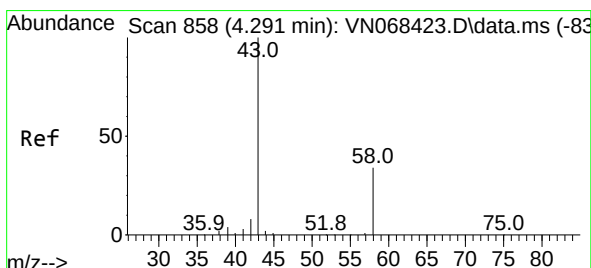
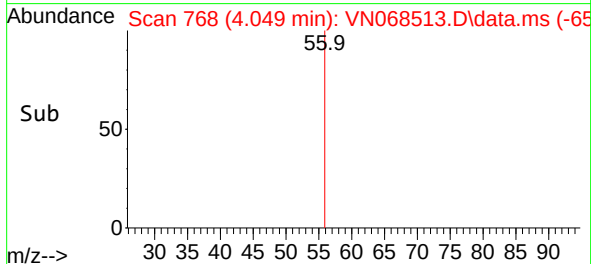
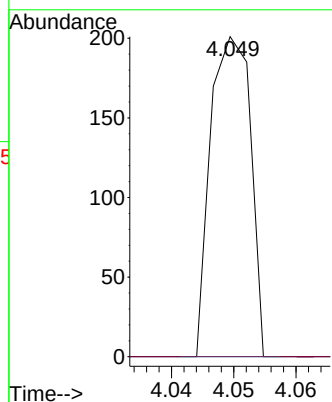
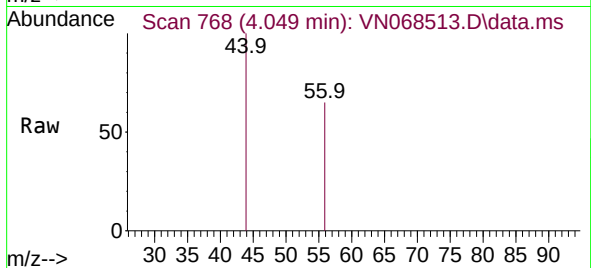




#13
Acrolein
Concen: 0.265 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.002 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

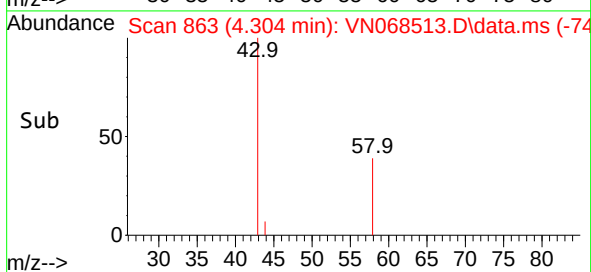
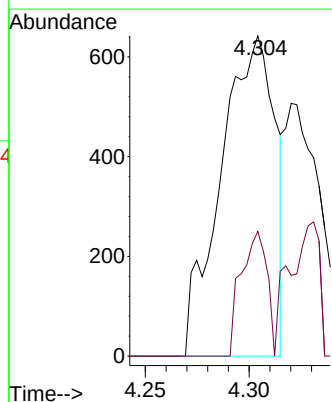
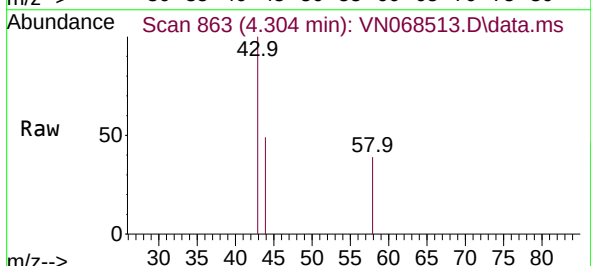
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

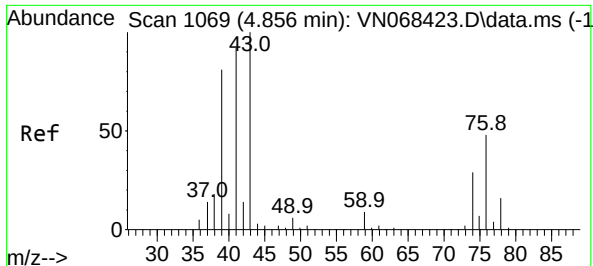
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
58 38.9 27.0 40.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.865 min Scan# 1072

Delta R.T. 0.009 min

Lab File: VN068513.D

Acq: 17 Sep 2021 11:39

Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

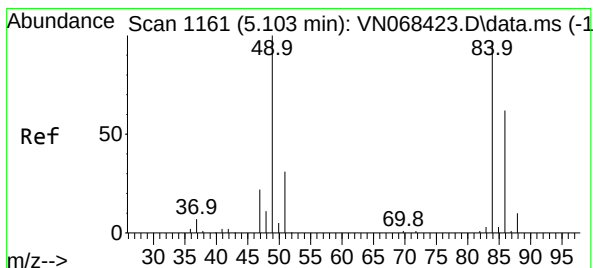
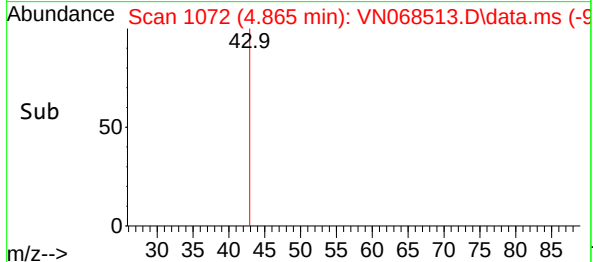
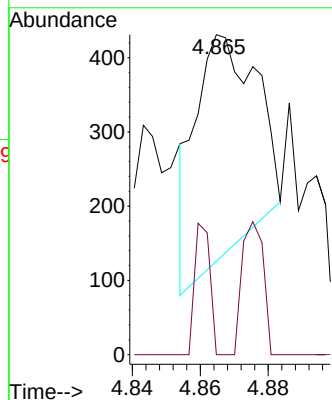
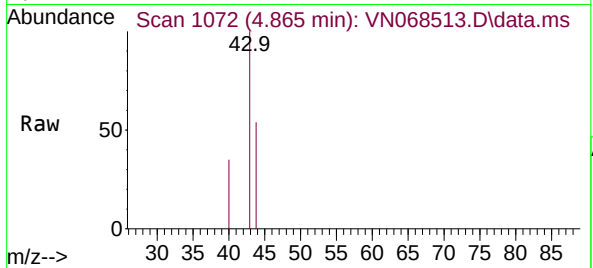
74 14.8 23.5 35.3#

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL01



#20

Methylene Chloride

Concen: Below Cal

RT: 5.095 min Scan# 1158

Delta R.T. -0.008 min

Lab File: VN068513.D

Acq: 17 Sep 2021 11:39

Tgt Ion: 84 Resp: 1261

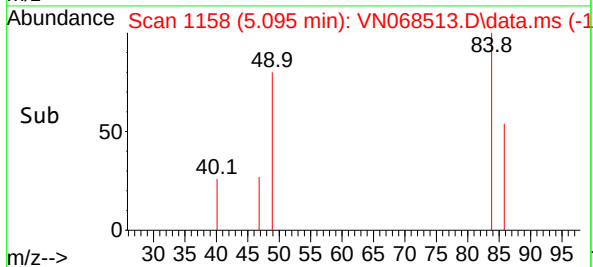
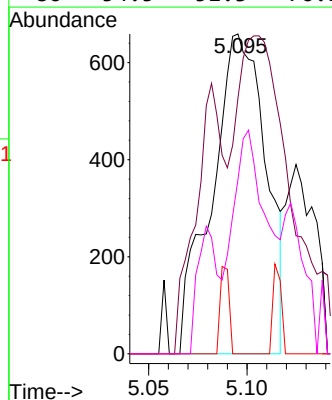
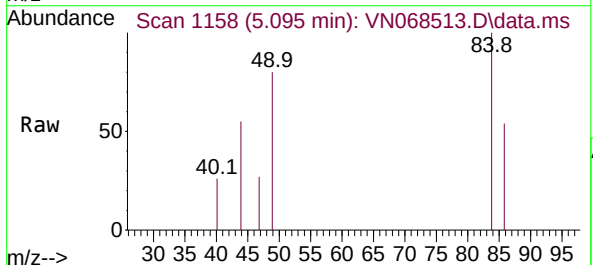
Ion Ratio Lower Upper

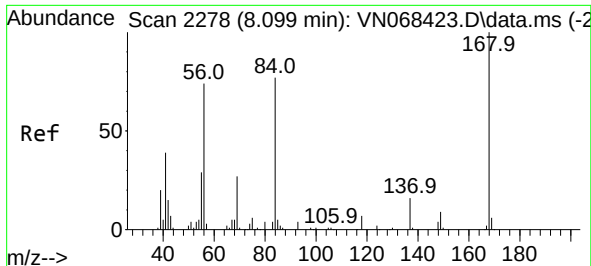
84 100

49 56.3 83.0 124.6#

51 0.0 25.4 38.0#

86 54.5 51.3 76.9

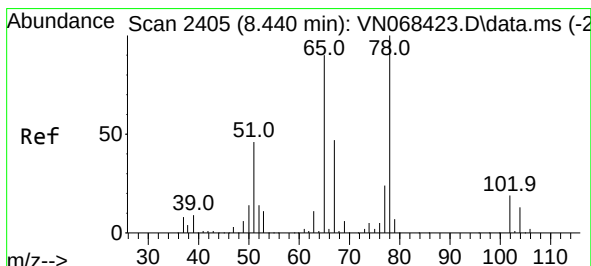
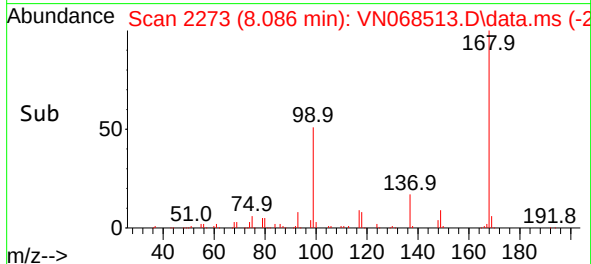
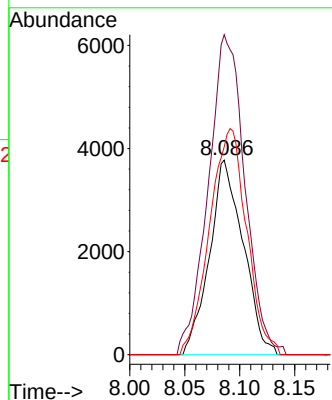
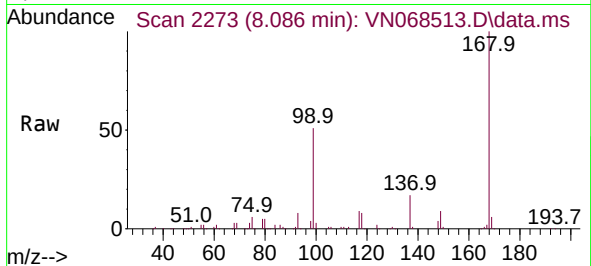




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

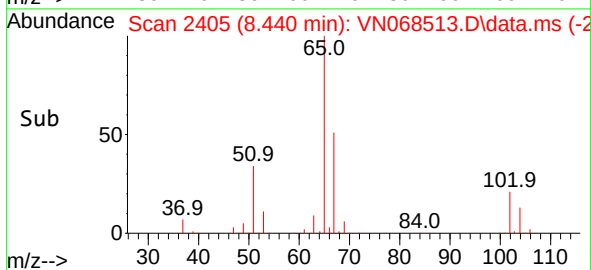
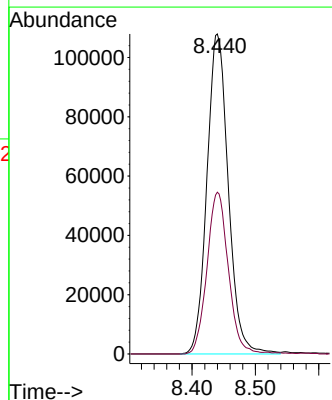
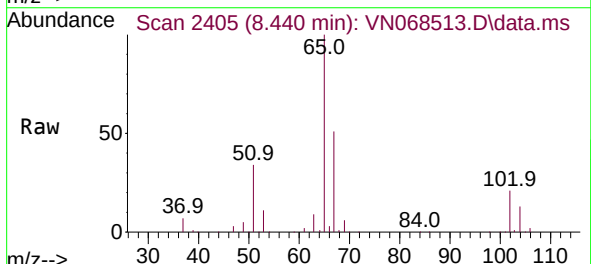
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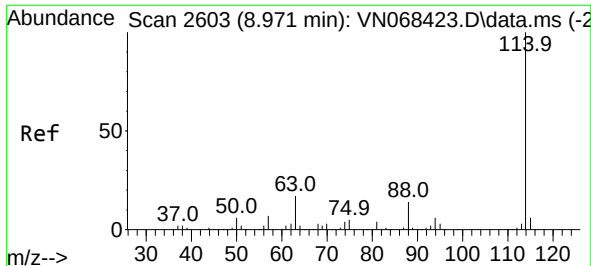
Tgt Ion: 56 Resp: 8064
Ion Ratio Lower Upper
56 100
69 160.5 29.4 44.0#
84 106.9 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 55.245 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion: 65 Resp: 253137
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.0

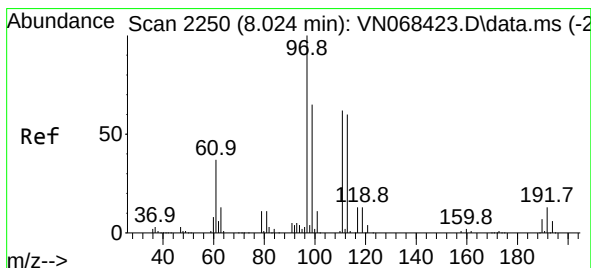
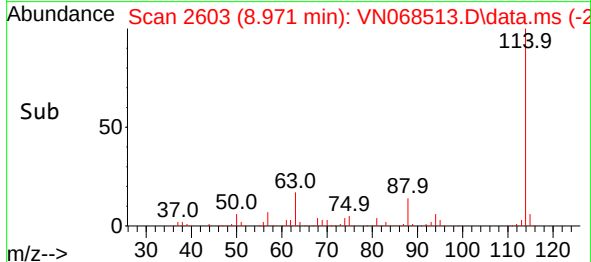
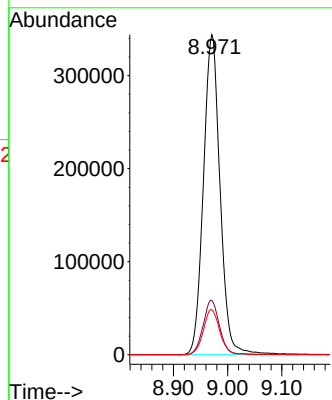
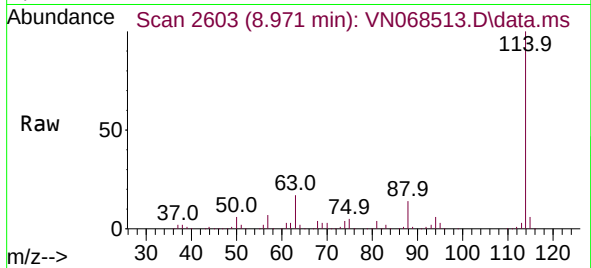




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

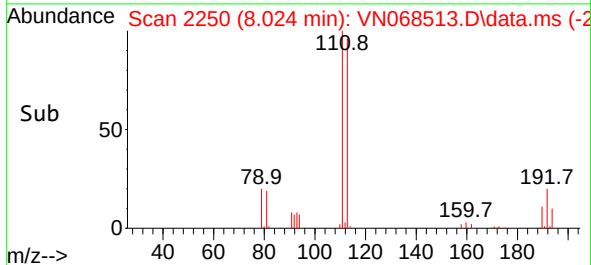
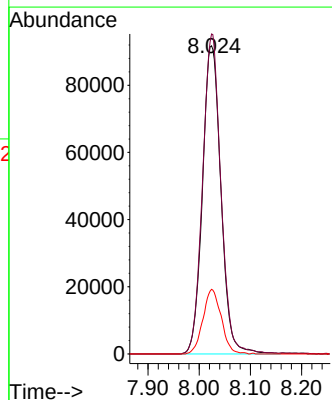
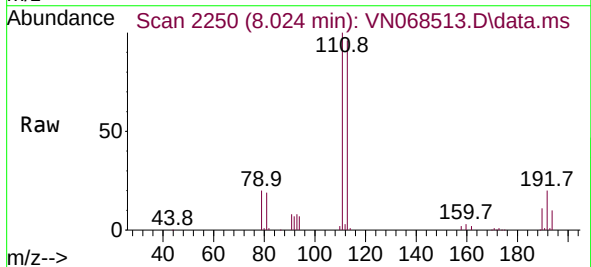
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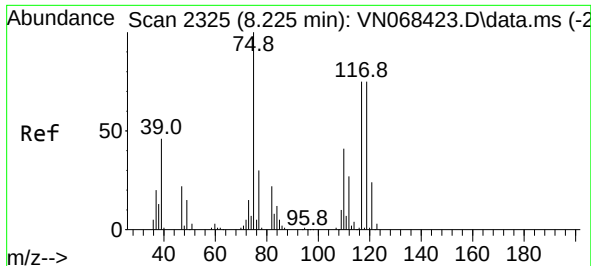
Tgt Ion:114 Resp: 733816
Ion Ratio Lower Upper
114 100
63 16.9 0.0 33.2
88 14.1 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.001 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion:113 Resp: 230149
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 20.8 17.7 26.5



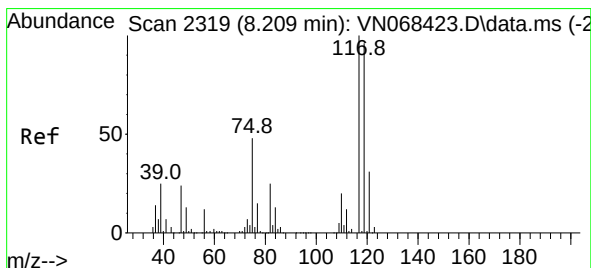
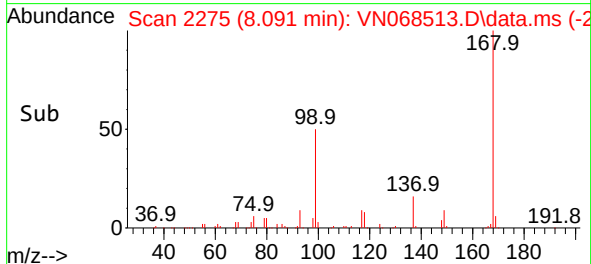
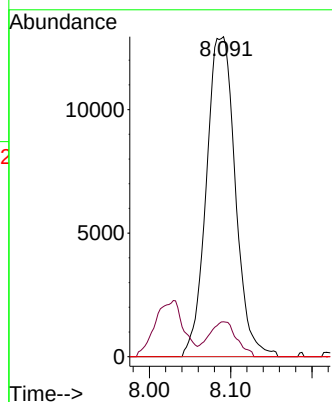
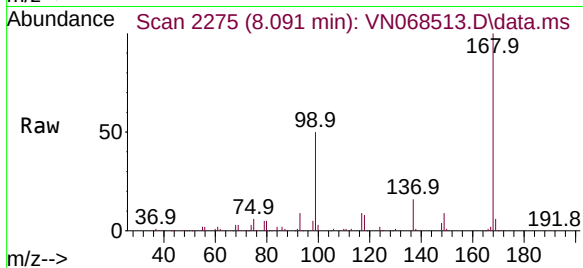


#36

1,1-Dichloropropene
Concen: 5.244 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

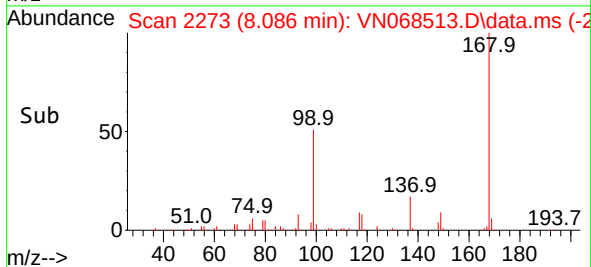
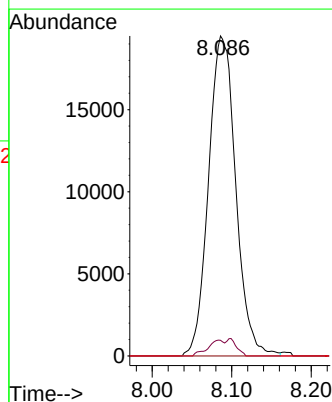
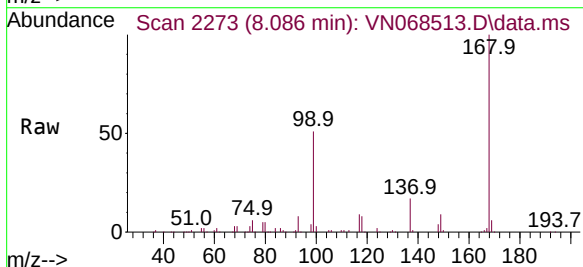
Tgt Ion: 75 Resp: 32081
Ion Ratio Lower Upper
75 100
110 10.6 20.8 62.5#
77 0.0 25.0 37.6#

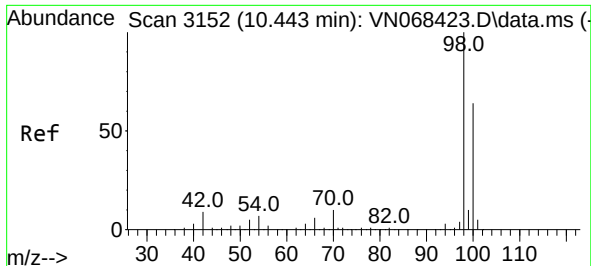


#38

Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion: 117 Resp: 46328
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 24.5 36.7#

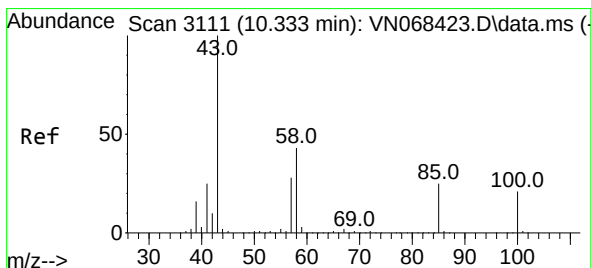
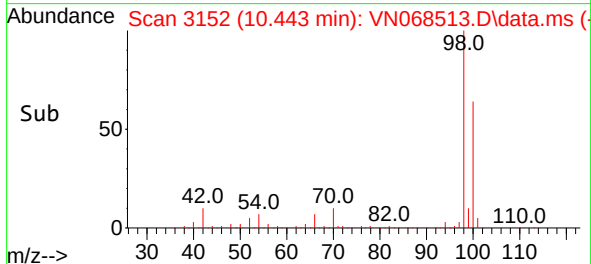
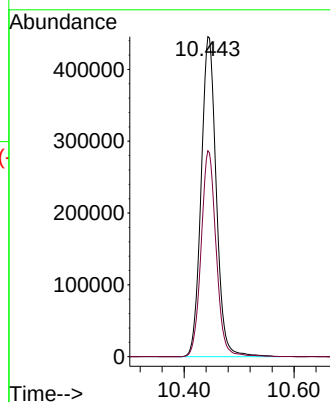
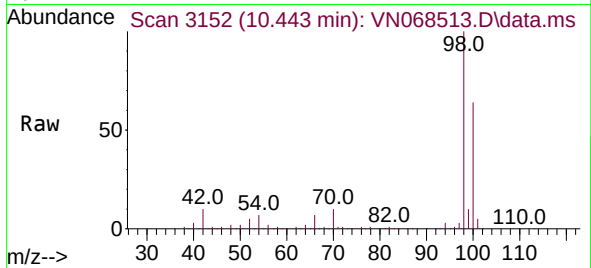




#50
Toluene-d8
Concen: 47.090 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

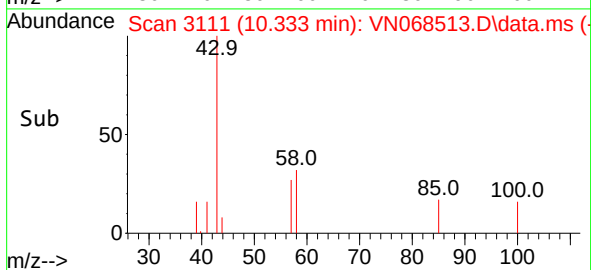
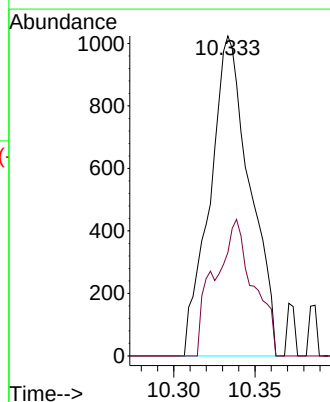
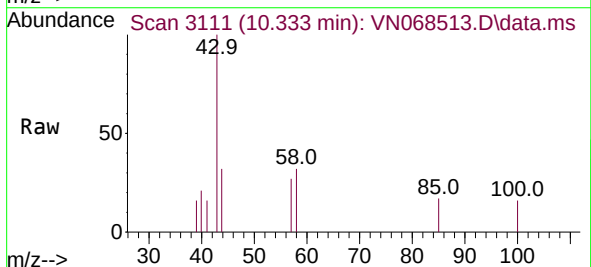
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

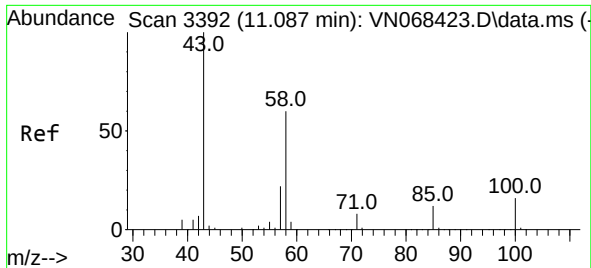
Tgt Ion: 98 Resp: 850722
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.373 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
58 41.4 34.3 51.5

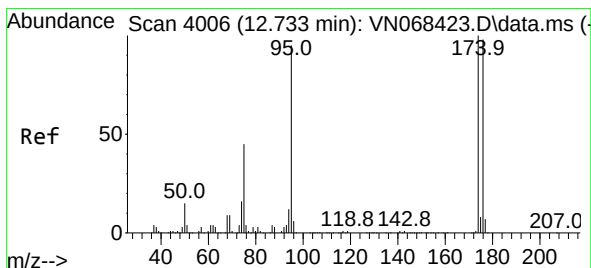
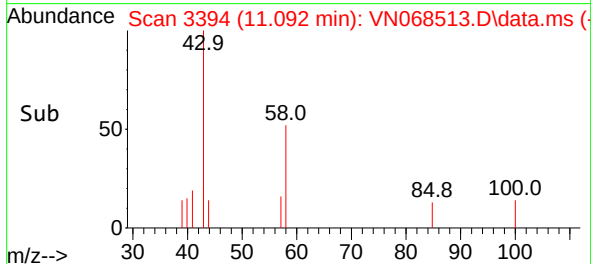
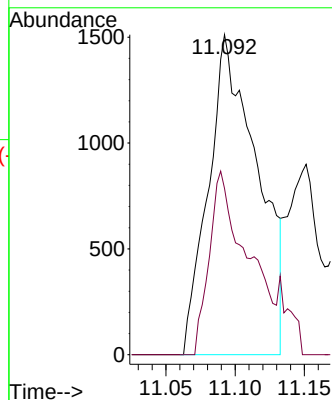
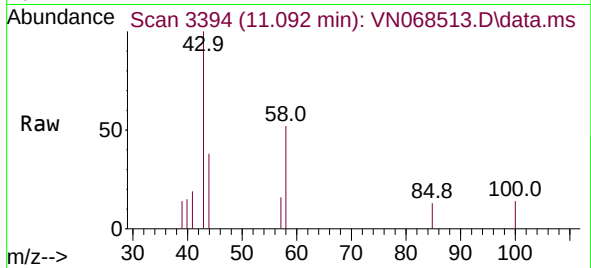




#59
2-Hexanone
Concen: 1.178 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

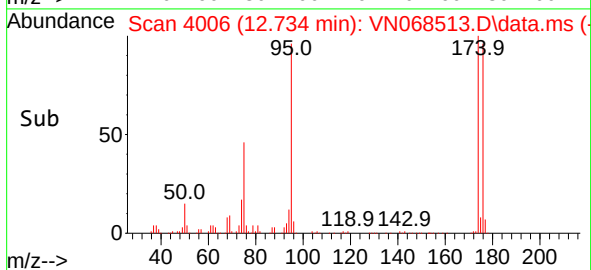
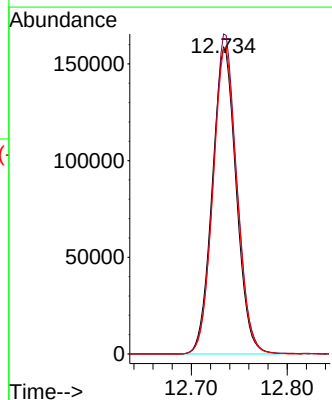
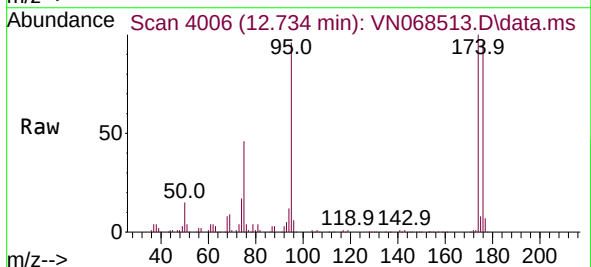
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

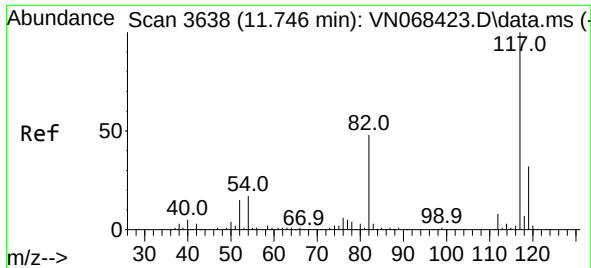
Tgt Ion: 43 Resp: 3699
Ion Ratio Lower Upper
43 100
58 45.6 30.0 90.1



#62
4-Bromofluorobenzene
Concen: 46.407 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion: 95 Resp: 275724
Ion Ratio Lower Upper
95 100
174 103.7 0.0 214.0
176 99.7 0.0 205.4

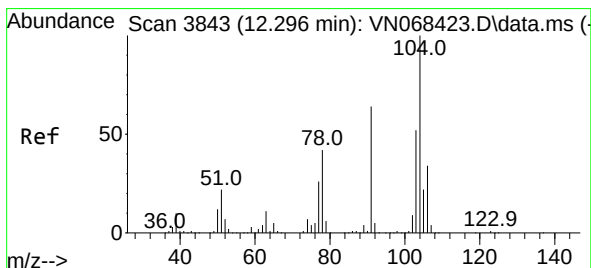
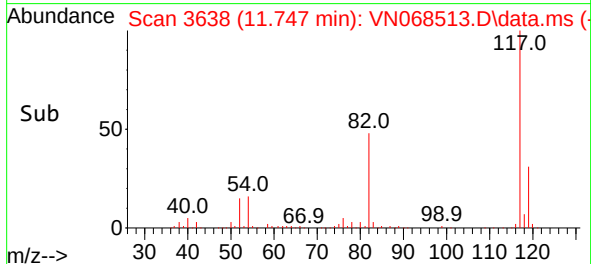
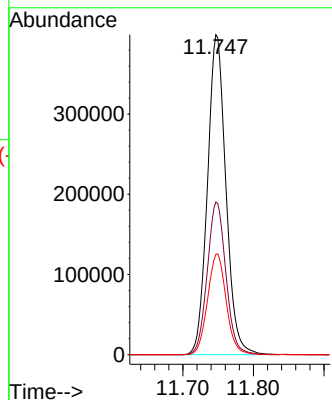
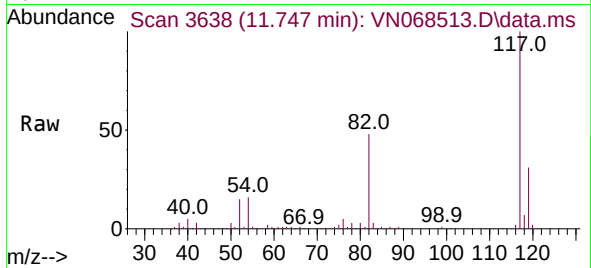




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

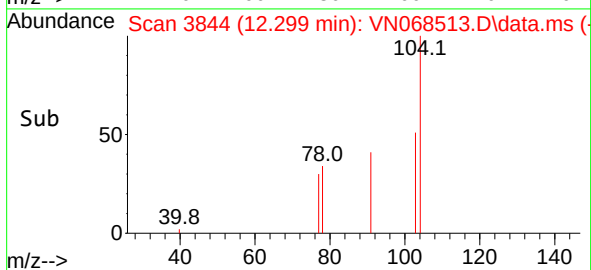
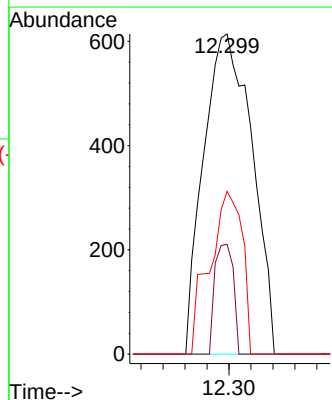
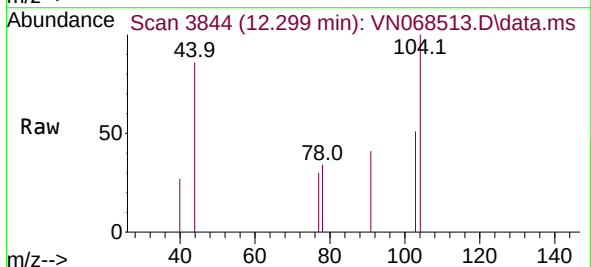
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

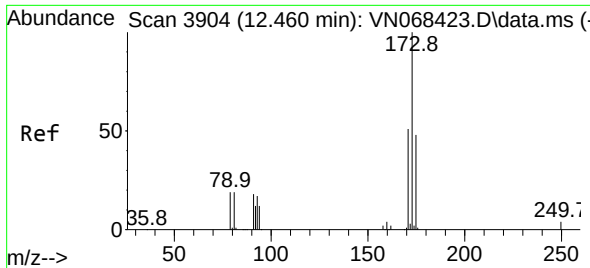
Tgt Ion:117 Resp: 724560
Ion Ratio Lower Upper
117 100
82 47.7 38.7 58.1
119 31.3 25.5 38.3



#70
Styrene
Concen: 1.807 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion:104 Resp: 939
Ion Ratio Lower Upper
104 100
78 13.1 36.2 54.2#
103 34.4 44.4 66.6#

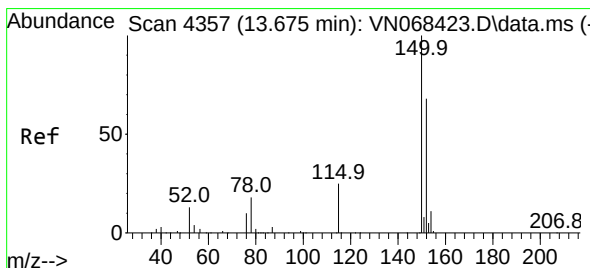
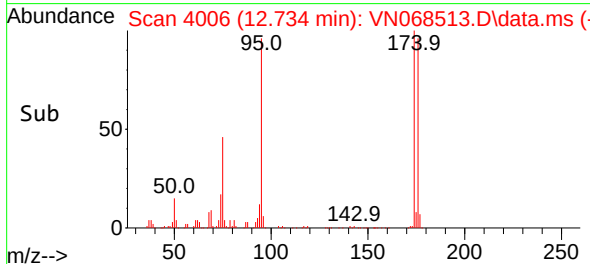
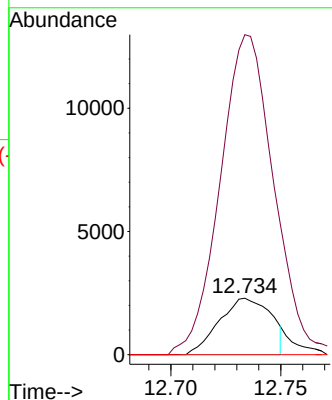
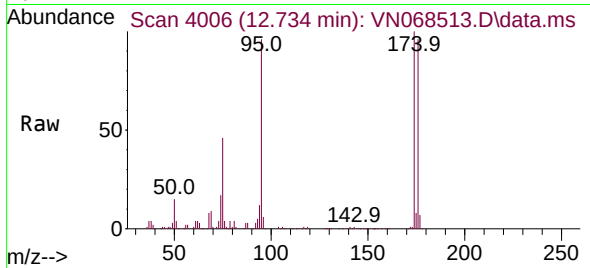




#71
Bromoform
Concen: 3.173 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

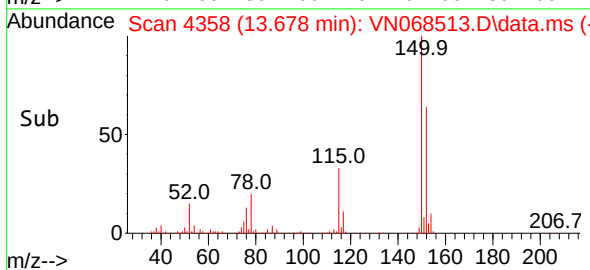
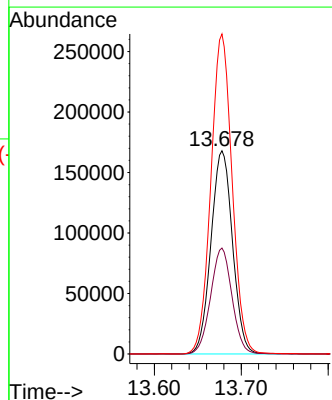
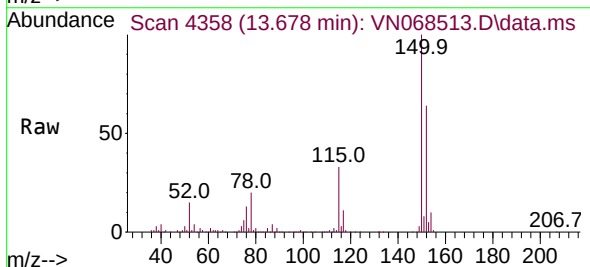
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

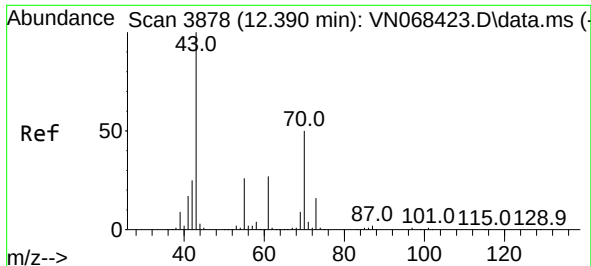
Tgt Ion:173 Resp: 3762
Ion Ratio Lower Upper
173 100
175 536.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion:152 Resp: 289453
Ion Ratio Lower Upper
152 100
115 51.6 25.6 76.6
150 155.1 0.0 346.8

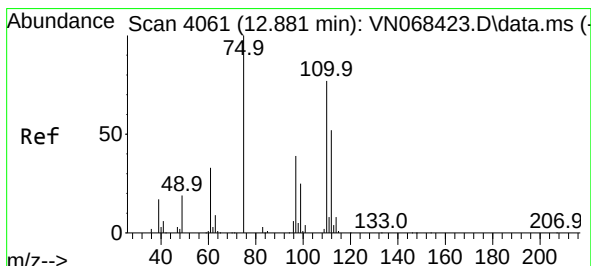
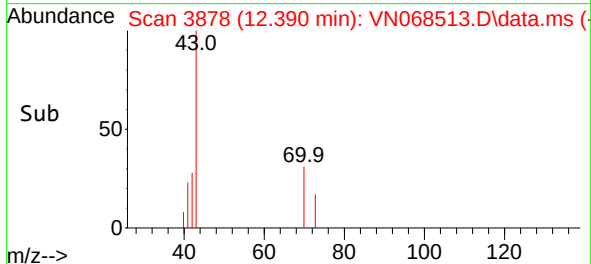
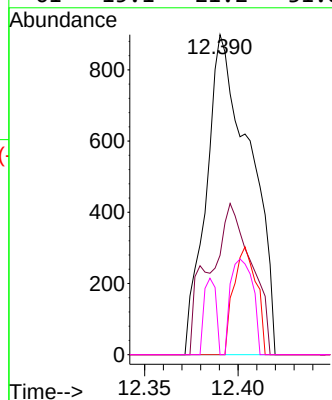
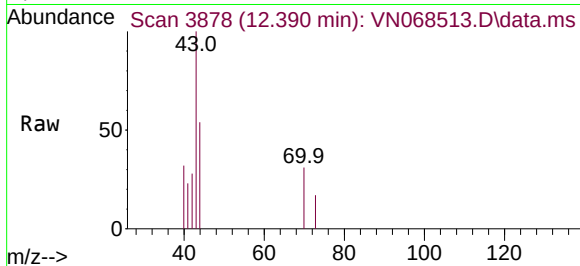




#74
N-amy1 acetate
Concen: 0.319 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

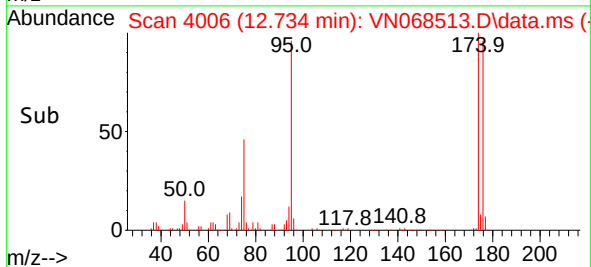
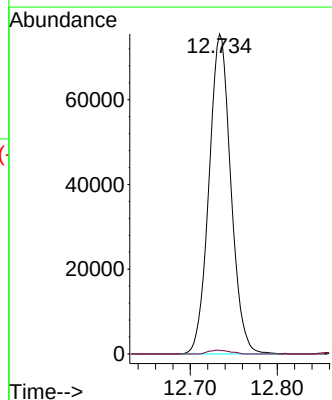
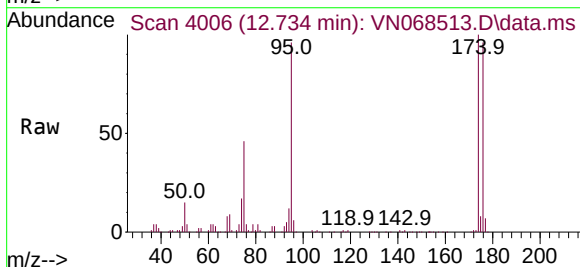
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

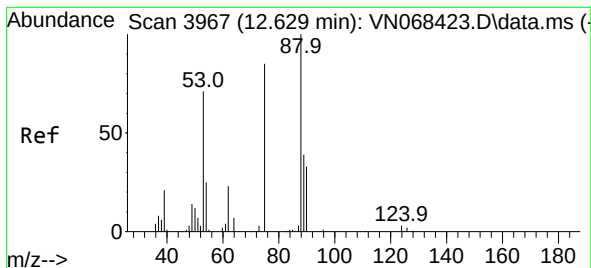
Tgt Ion:	43	Resp:	1467
Ion	Ratio	Lower	Upper
43	100		
70	35.2	40.0	60.0#
55	17.4	21.1	31.7#
61	15.1	21.2	31.8#



#76
1,2,3-Trichloropropane
Concen: 32.726 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion:	75	Resp:	131775
Ion	Ratio	Lower	Upper
75	100		
77	1.2	100.9	302.7#

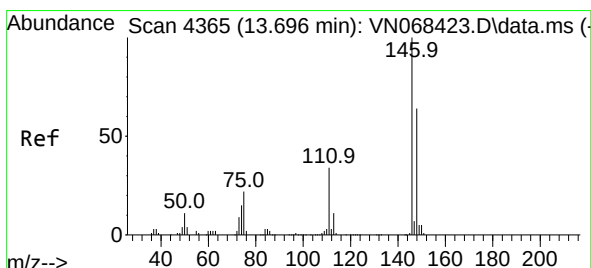
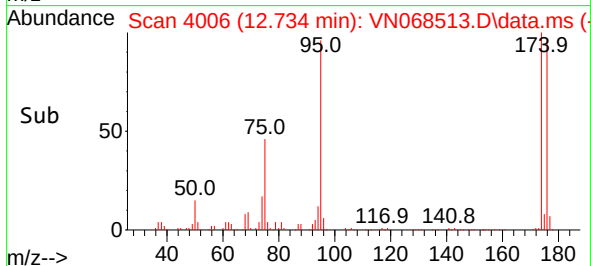
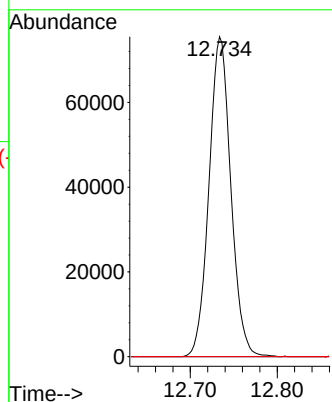
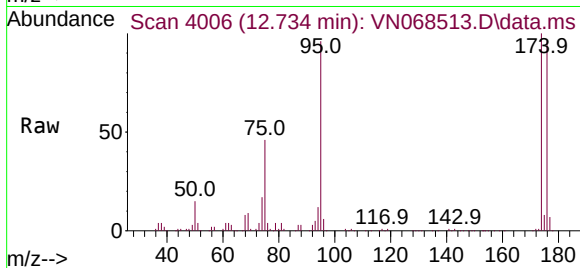




#81
trans-1,4-Dichloro-2-butene
Concen: 100.893 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

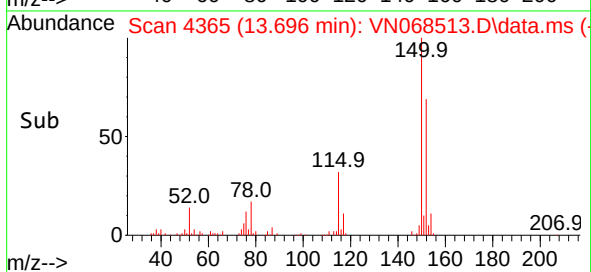
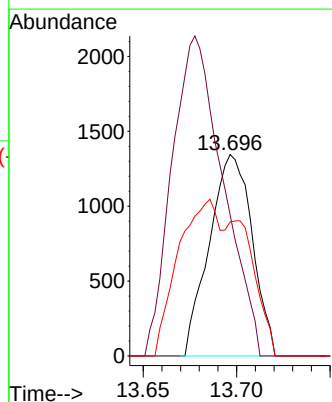
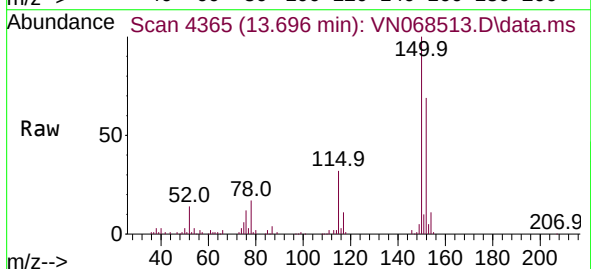
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

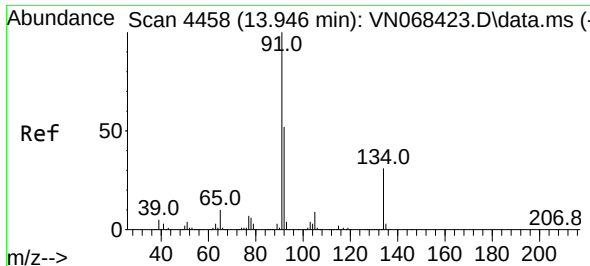
Tgt Ion: 75 Resp: 131775
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#88
1,4-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion:146 Resp: 2139
Ion Ratio Lower Upper
146 100
111 189.1 17.2 51.6#
148 80.0 31.9 95.7

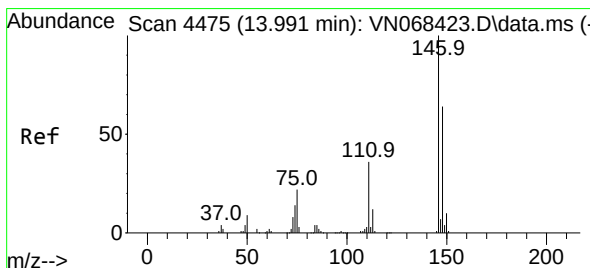
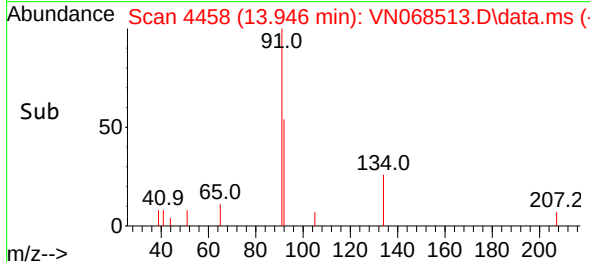
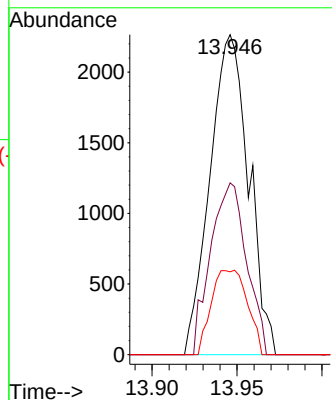
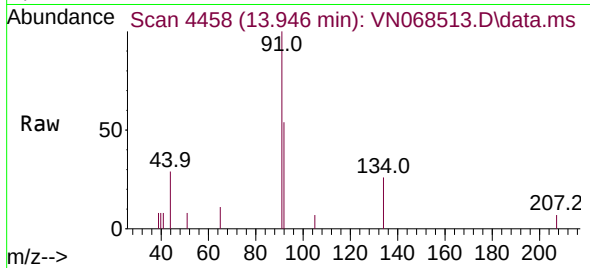




#89
n-Butylbenzene
Concen: 0.290 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

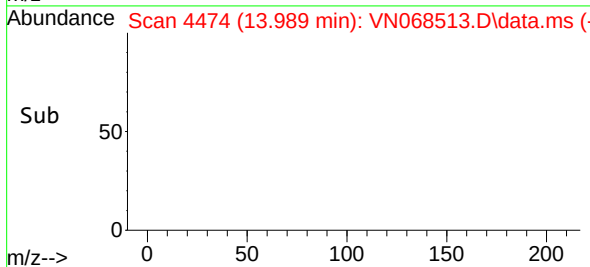
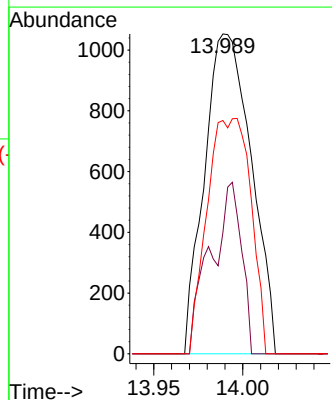
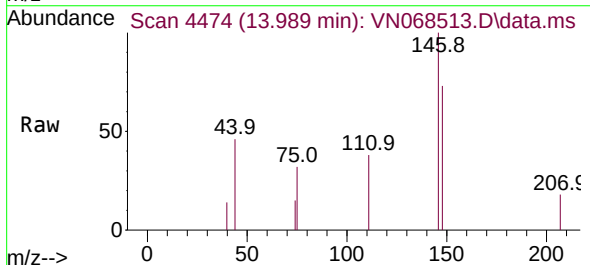
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

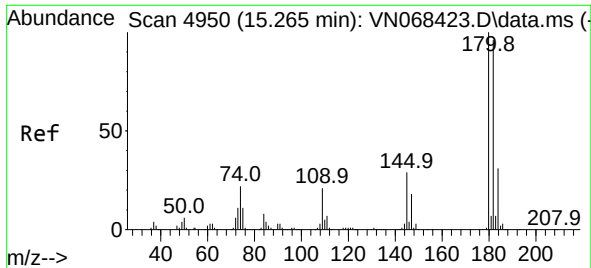
Tgt Ion:	91	Resp:	3591
Ion	Ratio	Lower	Upper
91	100		
92	49.9	26.0	78.0
134	24.6	15.4	46.2



#91
1,2-Dichlorobenzene
Concen: 0.202 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. -0.002 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion:	146	Resp:	1927
Ion	Ratio	Lower	Upper
146	100		
111	21.2	18.1	54.3
148	35.5	32.1	96.5

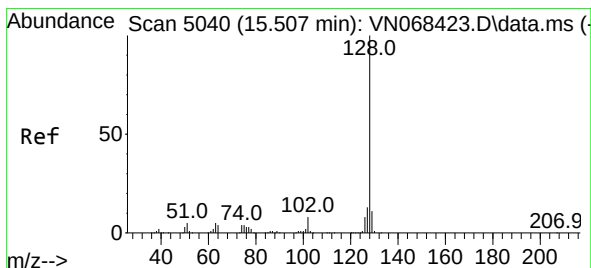
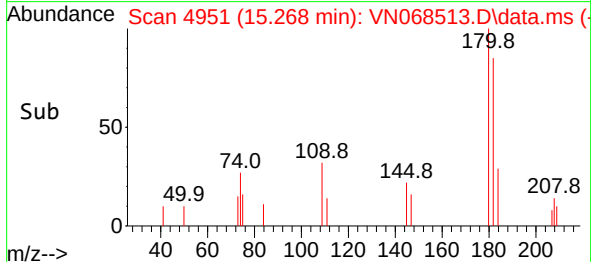
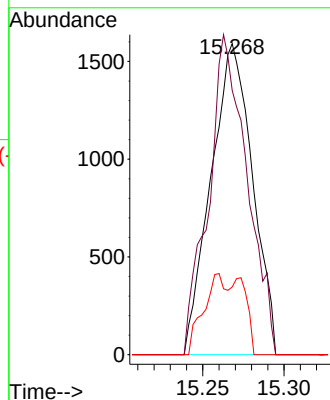
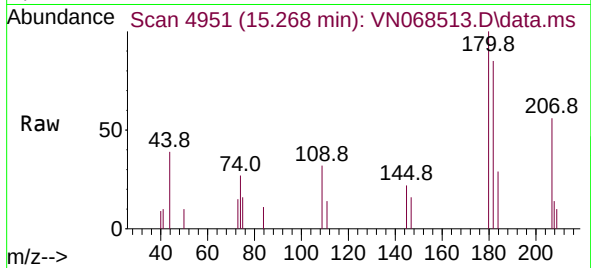




#93
1,2,4-Trichlorobenzene
Concen: 3.451 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

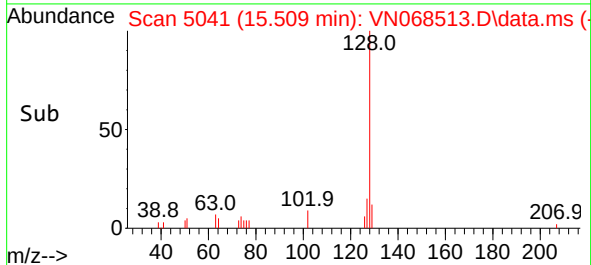
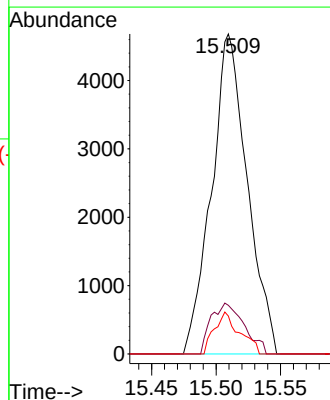
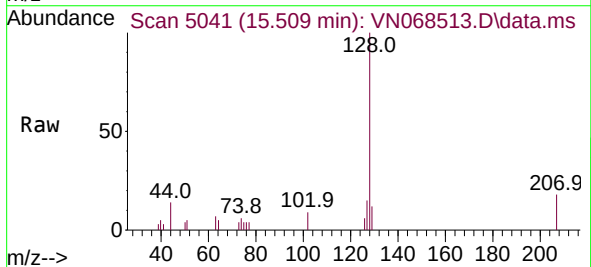
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

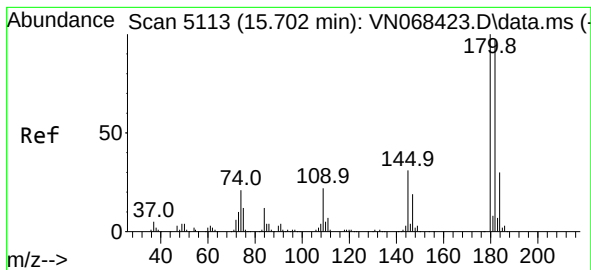
Tgt Ion:180 Resp: 2827
Ion Ratio Lower Upper
180 100
182 95.4 47.5 142.6
145 14.7 14.1 42.4



#95
Naphthalene
Concen: 4.229 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068513.D
Acq: 17 Sep 2021 11:39

Tgt Ion:128 Resp: 9026
Ion Ratio Lower Upper
128 100
127 14.7 10.6 15.8
129 9.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.615 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN068513.D
 Acq: 17 Sep 2021 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBL01

Tgt Ion:180 Resp: 3475
 Ion Ratio Lower Upper
 180 100
 182 105.1 47.9 143.6
 145 28.2 15.2 45.5

