

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083121\
 Data File : VN068374.D
 Acq On : 31 Aug 2021 17:11
 Operator : JC/MD
 Sample : M3611-03 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 02:07:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 31 02:20:58 2021
 Response via : Initial Calibration

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

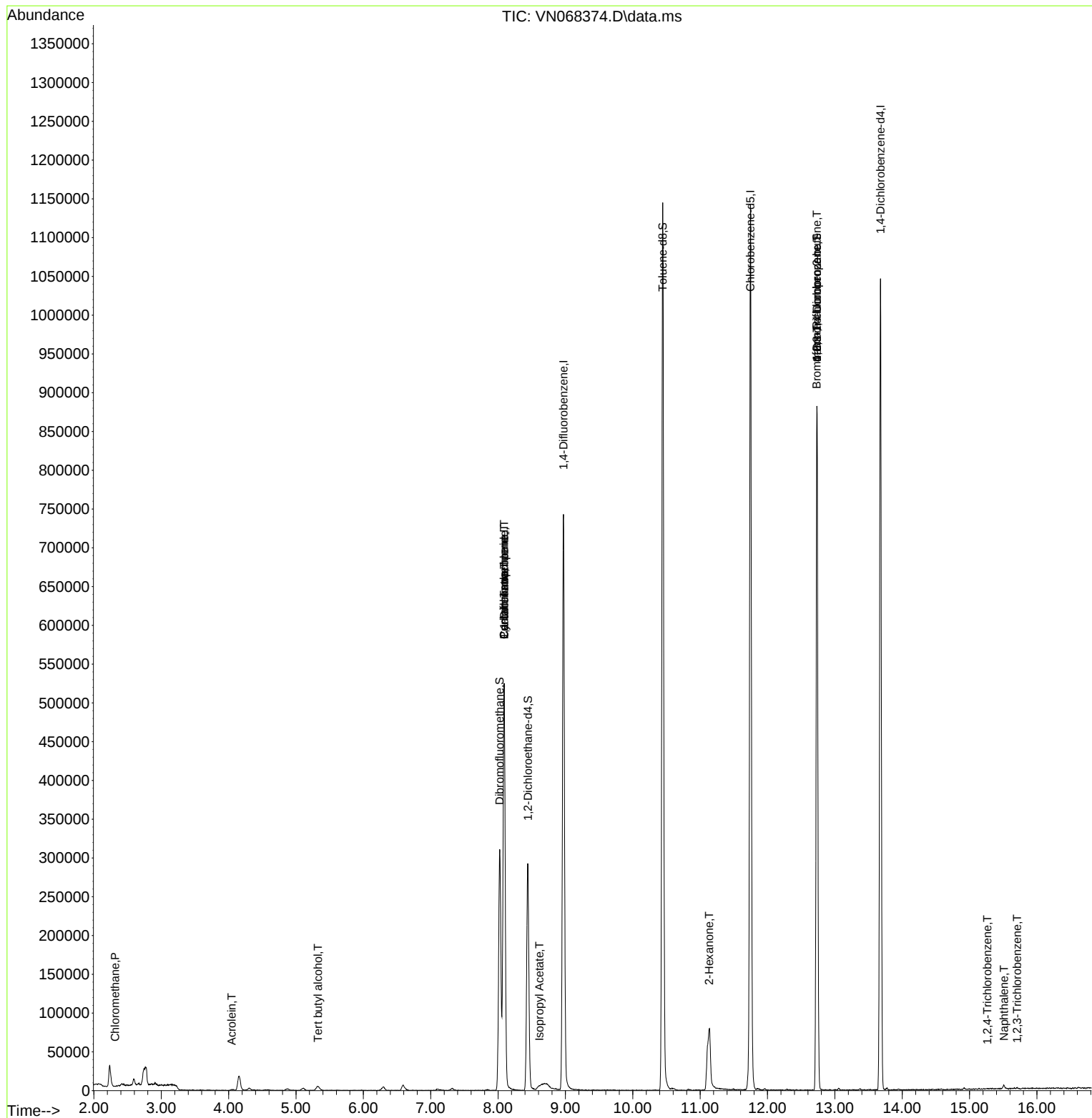
Internal Standards						
1) Pentafluorobenzene	8.091	168	444319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	713716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	724609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	313383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	244159	53.837	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.680%			
35) Dibromofluoromethane	8.024	113	223502	49.391	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.780%			
50) Toluene-d8	10.443	98	861131	50.836	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.734	95	293354	52.770	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.540%			
Target Compounds						Qvalue
3) Chloromethane	2.317	50	1086	0.280	ug/l #	78
5) Bromomethane	2.853	94	1002	Below Cal	#	65
11) Tert butyl alcohol	5.329	59	3428	5.781	ug/l #	73
13) Acrolein	4.044	56	761	1.976	ug/l #	81
16) Acetone	4.299	43	3879	Below Cal	#	83
18) Methyl Acetate	4.865	43	1890	Below Cal		98
20) Methylene Chloride	5.098	84	1242	Below Cal	#	82
31) Cyclohexane	8.091	56	7111	1.190	ug/l #	31
36) 1,1-Dichloropropene	8.091	75	27208	4.793	ug/l #	48
38) Carbon Tetrachloride	8.091	117	40781	6.012	ug/l #	16
43) Isopropyl Acetate	8.614	43	4789	0.626	ug/l #	51
59) 2-Hexanone	11.132	43	40102	12.049	ug/l #	35
71) Bromoform	12.731	173	713	2.066	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	147820	27.754	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	147820	91.700	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.265	180	69	2.218	ug/l #	1
95) Naphthalene	15.509	128	5091	2.720	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.705	180	507	2.086	ug/l #	75

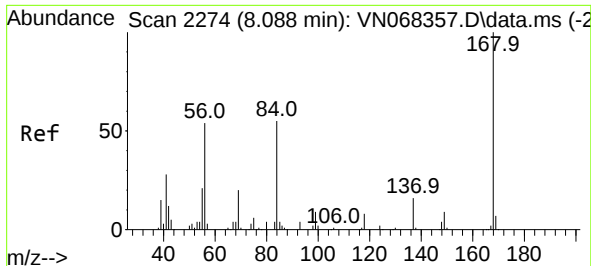
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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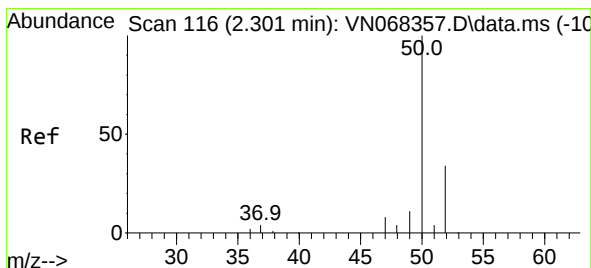
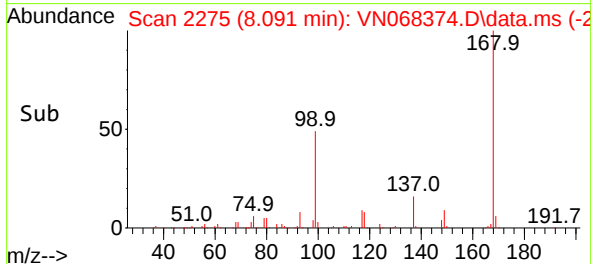
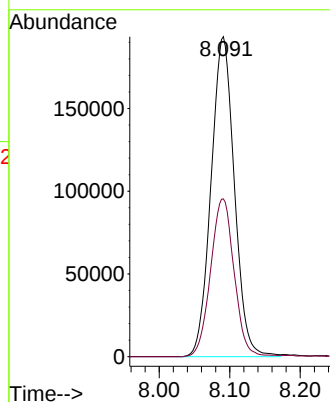
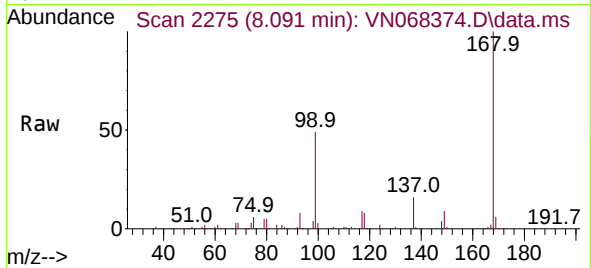




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

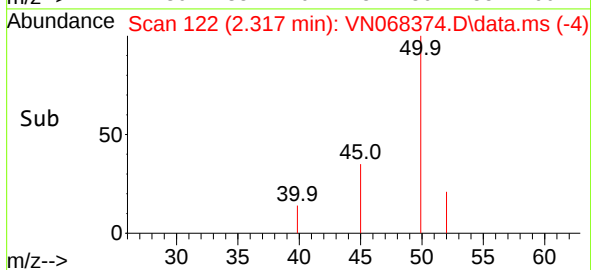
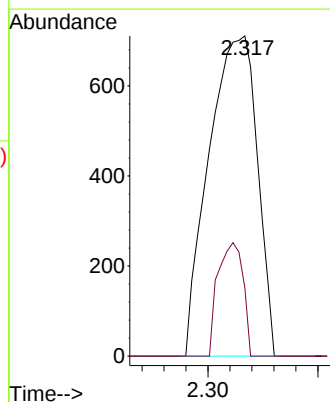
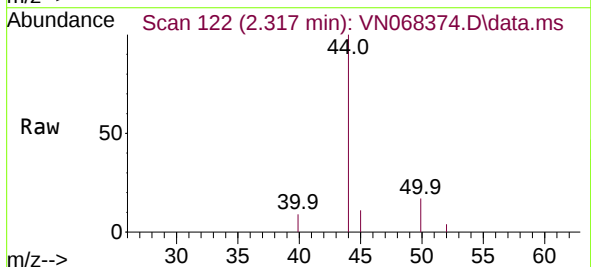
Instrument :
MSVOA_N
ClientSampled :

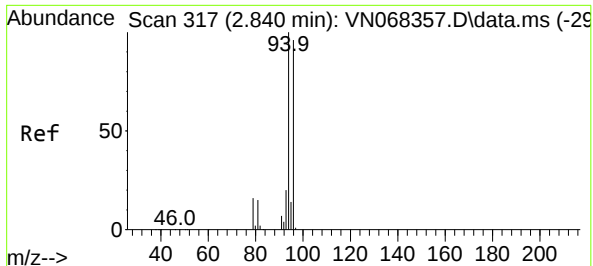
Tgt Ion:168 Resp: 444319
Ion Ratio Lower Upper
168 100
99 49.3 38.6 57.8



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.317 min Scan# 122
Delta R.T. 0.016 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion: 50 Resp: 1086
Ion Ratio Lower Upper
50 100
52 21.4 27.1 40.7#

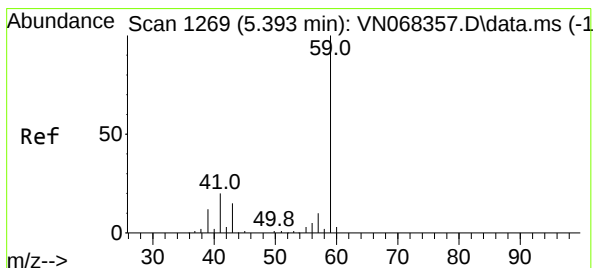
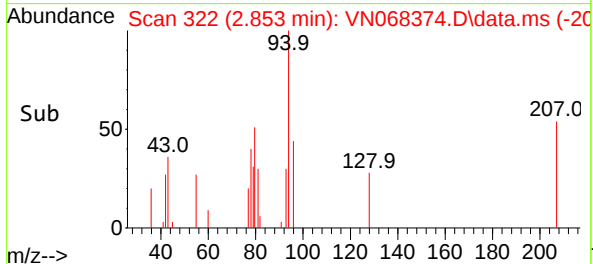
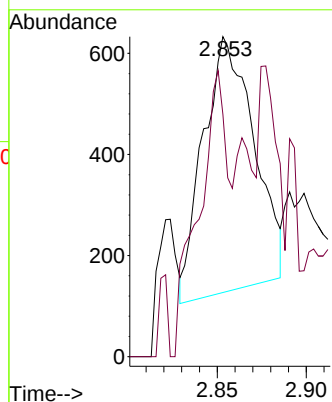
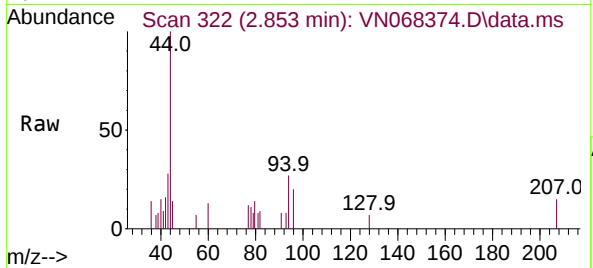




#5
Bromomethane
Concen: Below Cal
RT: 2.853 min Scan# 322
Delta R.T. 0.013 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

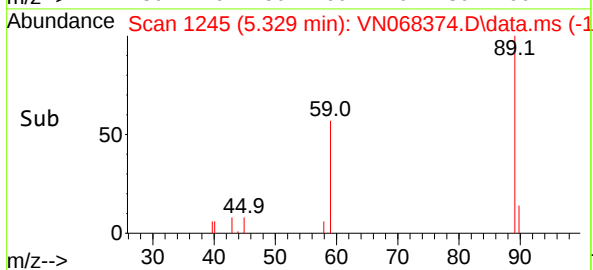
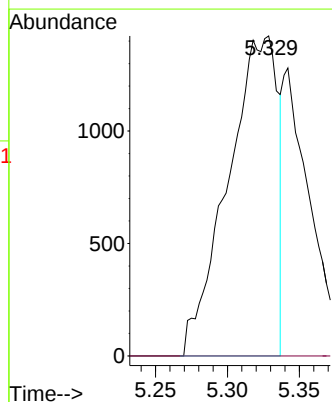
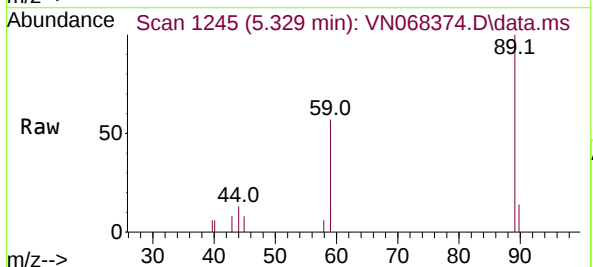
Instrument :
MSVOA_N
ClientSampled :

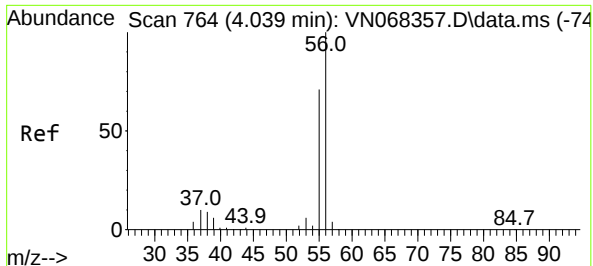
Tgt Ion: 94 Resp: 1002
Ion Ratio Lower Upper
94 100
96 62.1 77.1 115.7#



#11
Tert butyl alcohol
Concen: 5.781 ug/l
RT: 5.329 min Scan# 1245
Delta R.T. -0.064 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion: 59 Resp: 3428
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

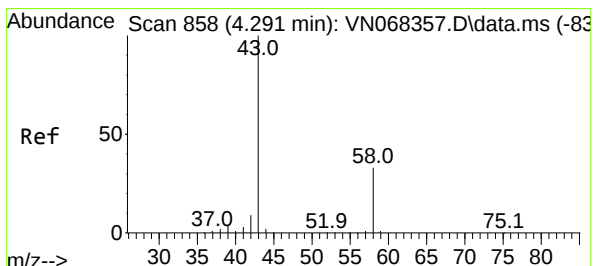
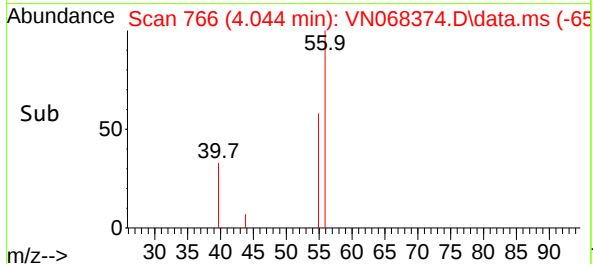
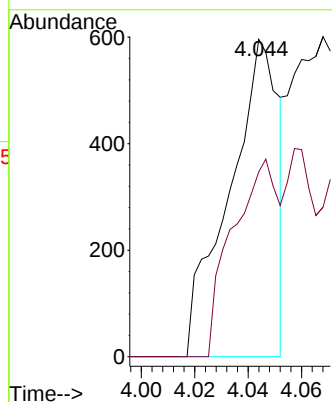
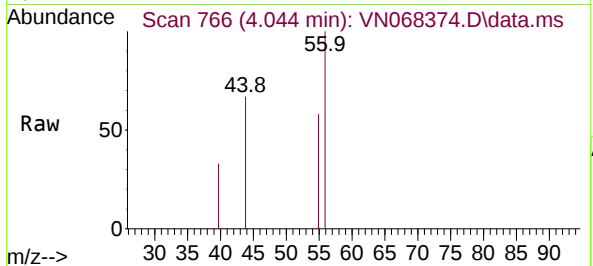




#13
Acrolein
Concen: 1.976 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

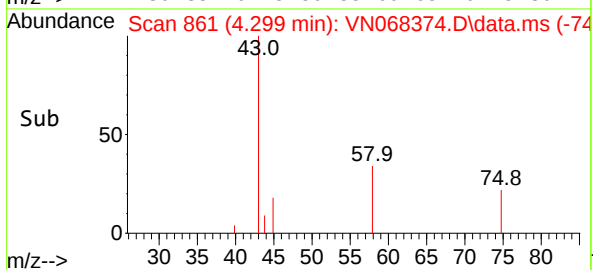
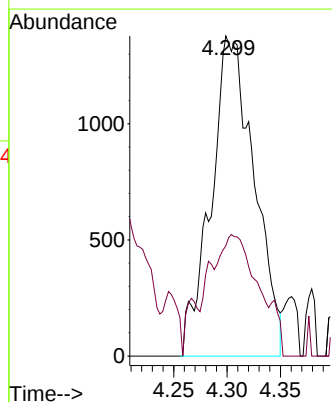
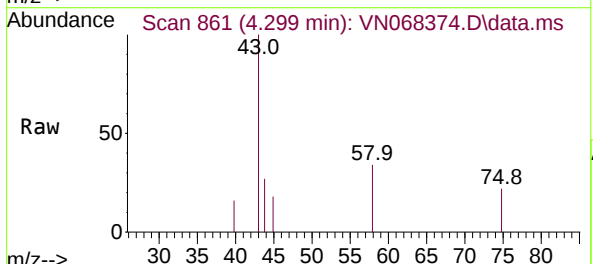
Instrument :
MSVOA_N
ClientSampled :

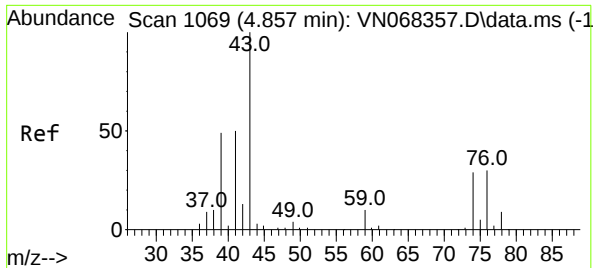
Tgt Ion: 56 Resp: 761
Ion Ratio Lower Upper
56 100
55 58.0 58.9 88.3#



#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion: 43 Resp: 3879
Ion Ratio Lower Upper
43 100
58 23.4 26.3 39.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.865 min Scan# 1072

Delta R.T. 0.008 min

Lab File: VN068374.D

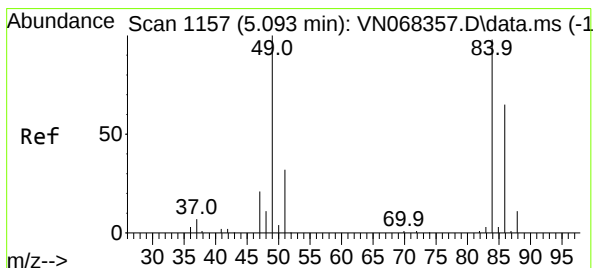
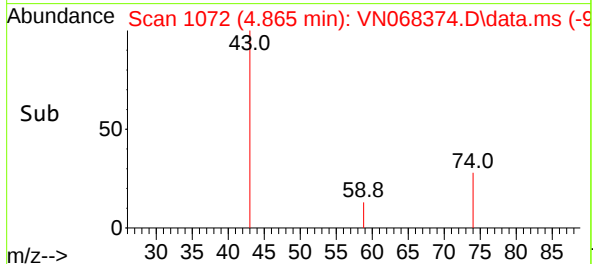
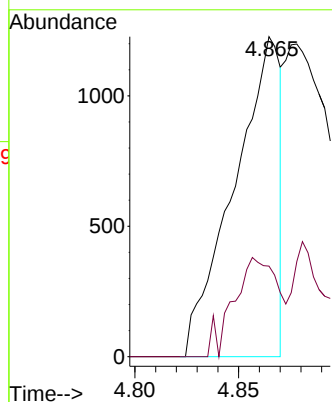
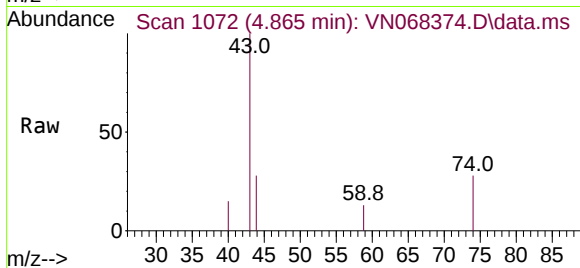
Acq: 31 Aug 2021 17:11

Tgt Ion: 43 Resp: 1890

Ion Ratio Lower Upper

43 100

74 30.0 23.0 34.4



#20

Methylene Chloride

Concen: Below Cal

RT: 5.098 min Scan# 1159

Delta R.T. 0.005 min

Lab File: VN068374.D

Acq: 31 Aug 2021 17:11

Tgt Ion: 84 Resp: 1242

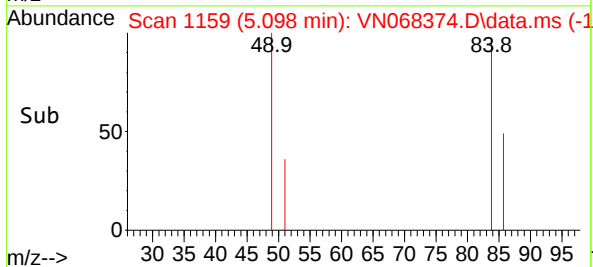
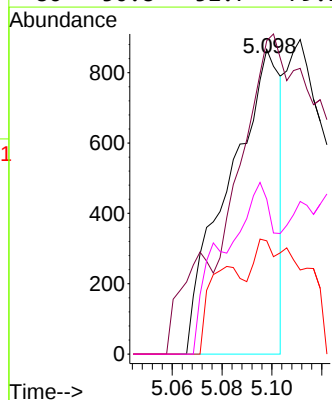
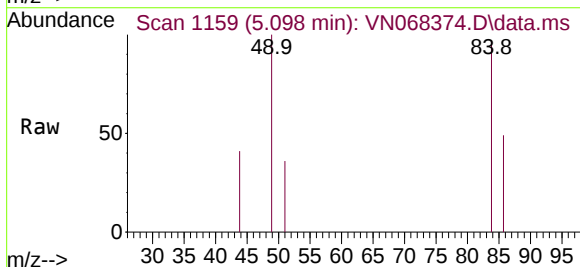
Ion Ratio Lower Upper

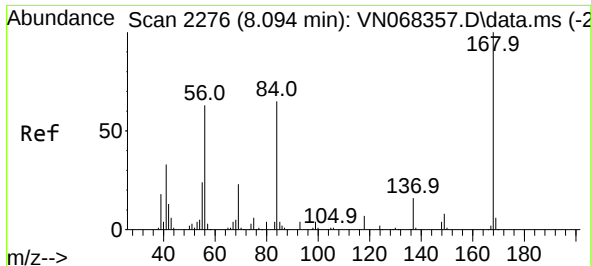
84 100

49 82.1 81.8 122.6

51 37.2 26.3 39.5

86 50.8 52.7 79.1#

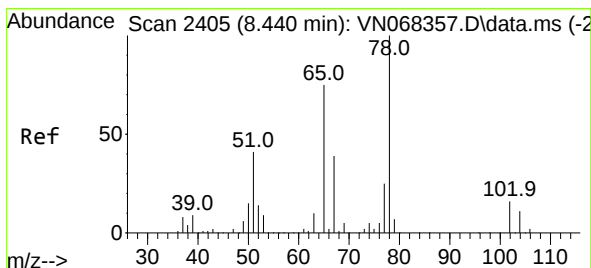
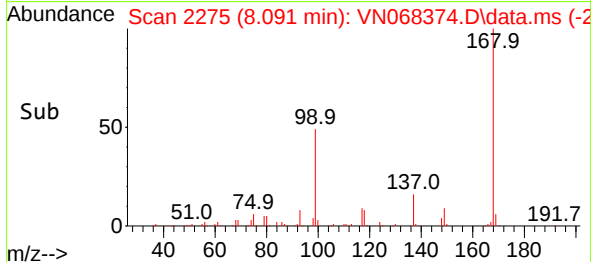
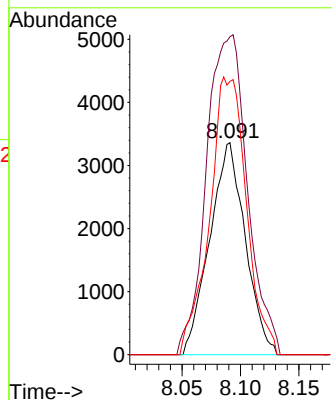
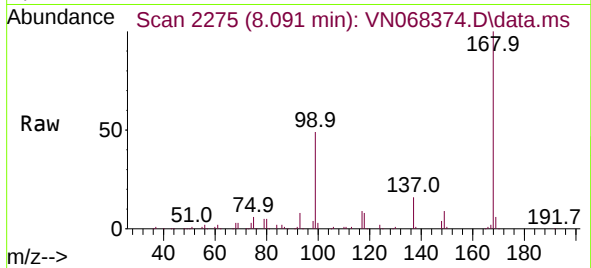




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

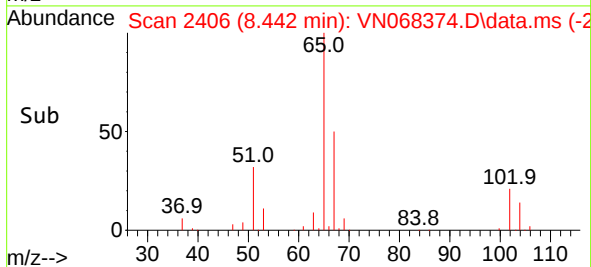
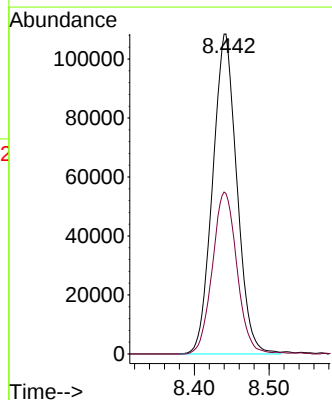
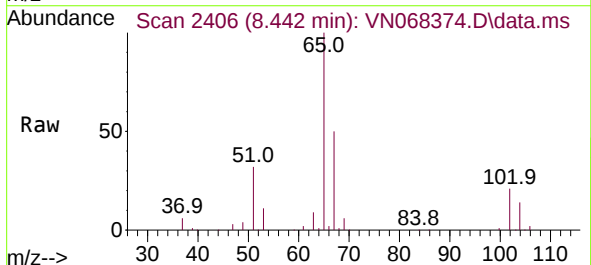
Instrument :
MSVOA_N
ClientSampled :

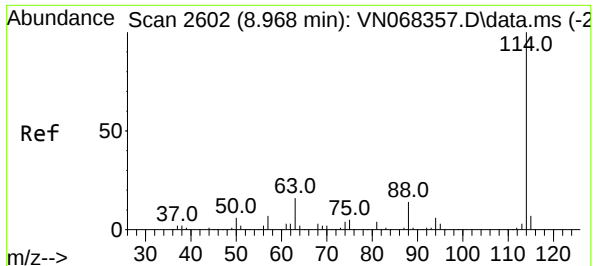
Tgt Ion: 56 Resp: 7111
Ion Ratio Lower Upper
56 100
69 150.0 29.8 44.6#
84 128.9 82.6 124.0#



#33
1,2-Dichloroethane-d4
Concen: 53.837 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion: 65 Resp: 244159
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN068374.D

Acq: 31 Aug 2021 17:11

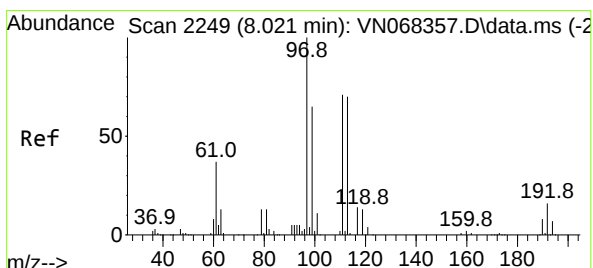
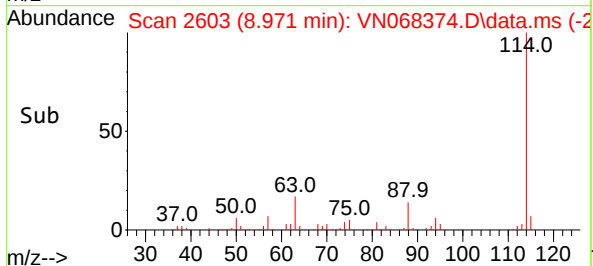
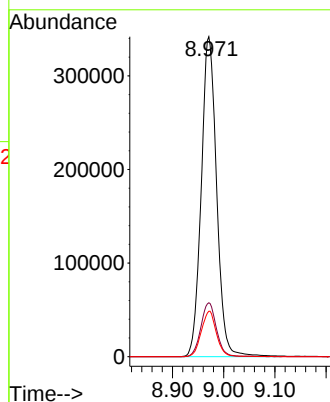
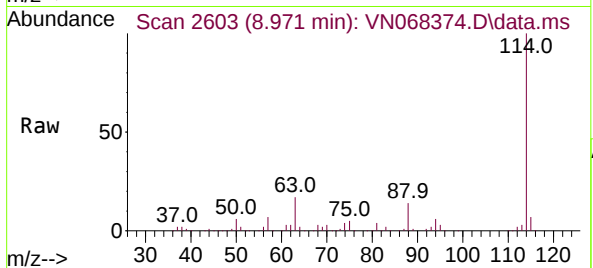
Tgt Ion:114 Resp: 713716

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.2

88 14.2 0.0 27.6



#35

Dibromofluoromethane

Concen: 49.391 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN068374.D

Acq: 31 Aug 2021 17:11

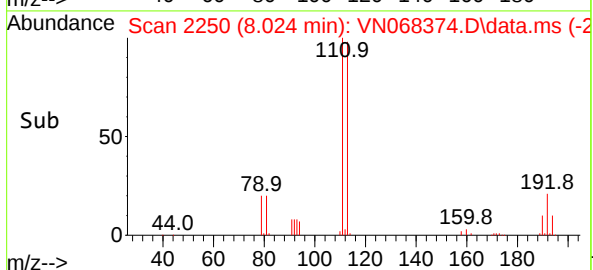
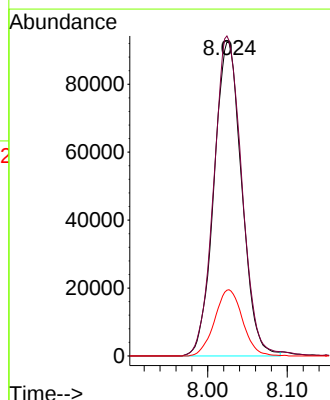
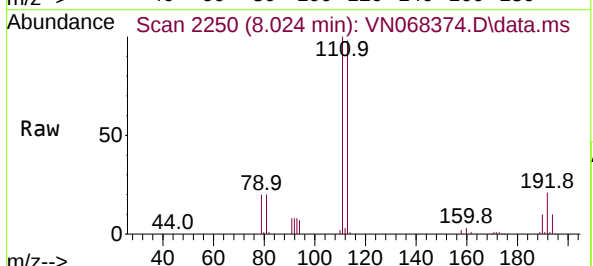
Tgt Ion:113 Resp: 223502

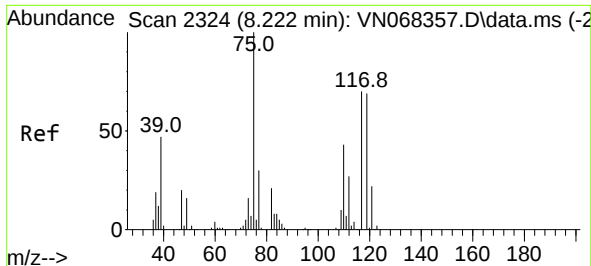
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 21.3 18.1 27.1





#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.131 min

Lab File: VN068374.D

Acq: 31 Aug 2021 17:11

Tgt Ion: 75 Resp: 27208

Ion Ratio Lower Upper

75 100

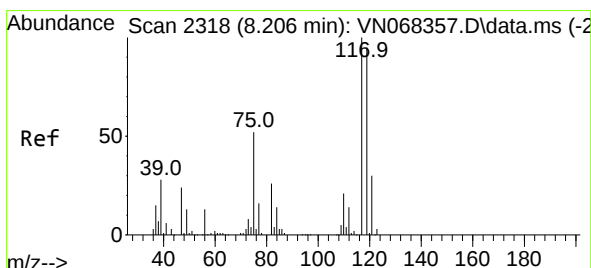
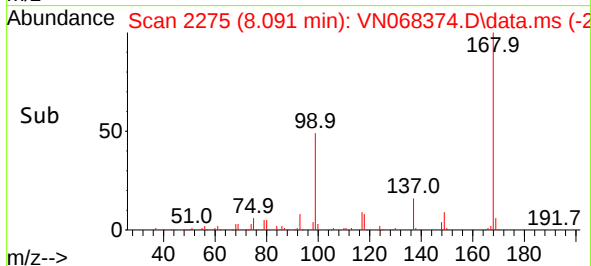
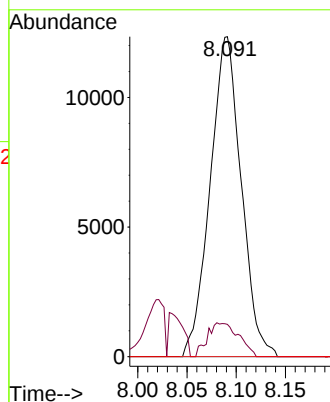
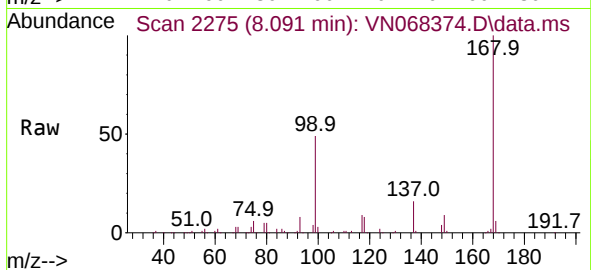
110 10.6 20.8 62.2#

77 0.0 24.4 36.6#

Instrument :

MSVOA_N

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.012 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.115 min

Lab File: VN068374.D

Acq: 31 Aug 2021 17:11

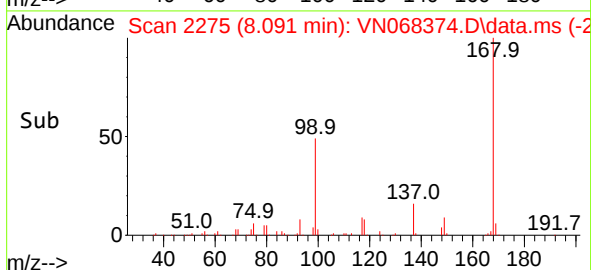
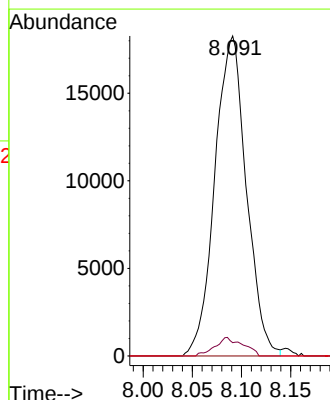
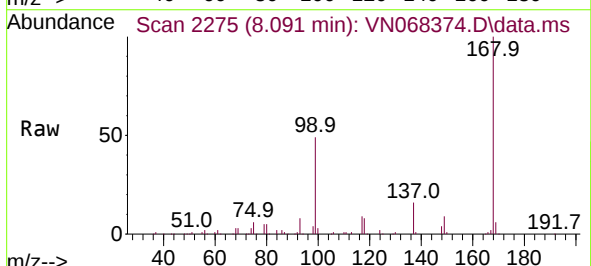
Tgt Ion: 117 Resp: 40781

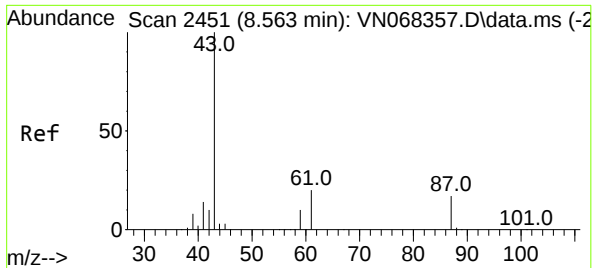
Ion Ratio Lower Upper

117 100

119 4.1 76.0 114.0#

121 0.0 24.2 36.2#

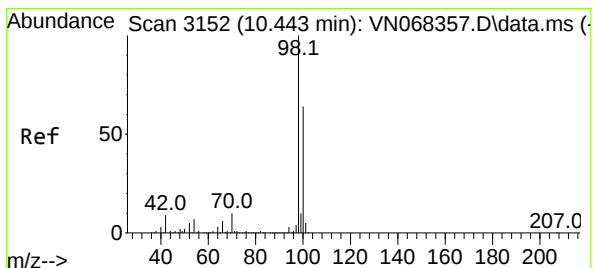
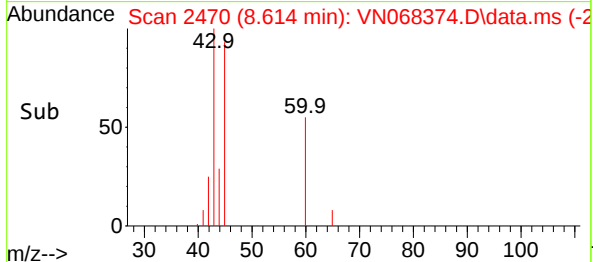
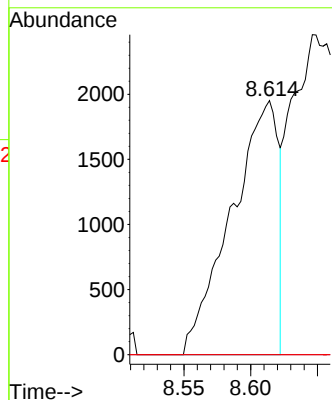
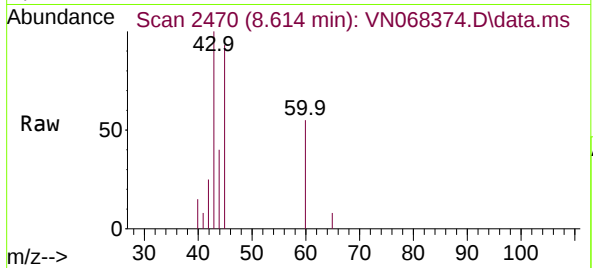




#43
Isopropyl Acetate
Concen: 0.626 ug/l
RT: 8.614 min Scan# 2470
Delta R.T. 0.051 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

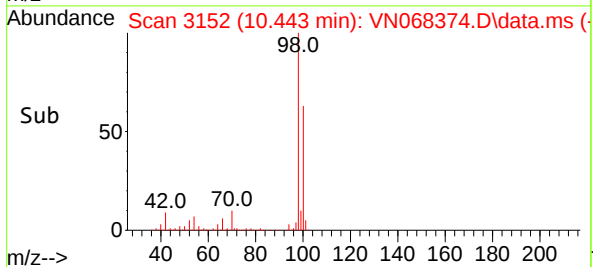
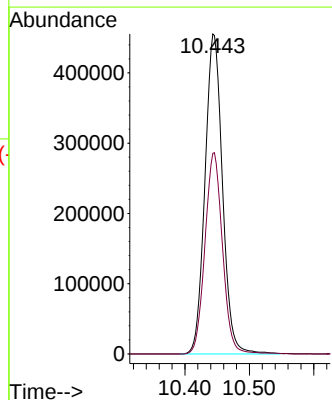
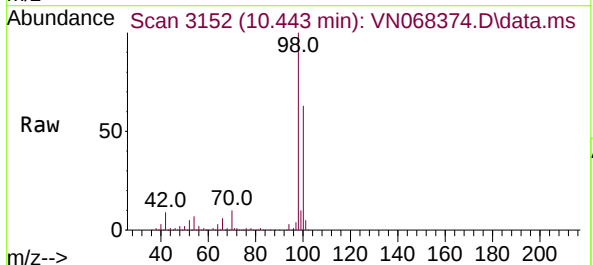
Instrument :
MSVOA_N
ClientSampled :

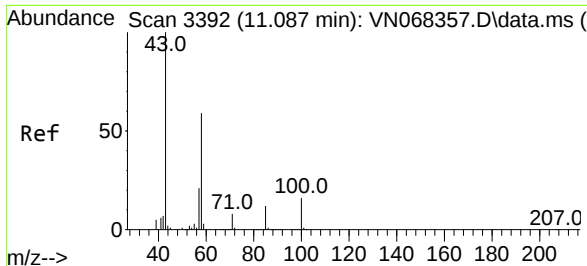
Tgt Ion: 43 Resp: 4789
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 0.0 14.0 21.0#



#50
Toluene-d8
Concen: 50.836 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion: 98 Resp: 861131
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.6

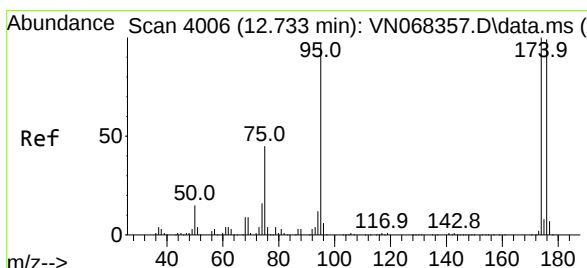
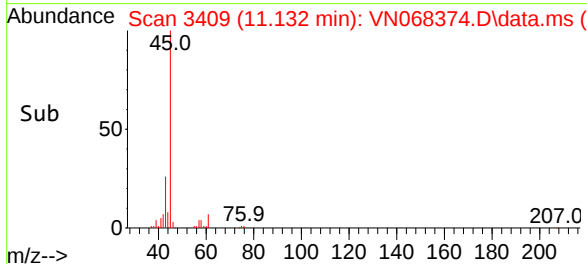
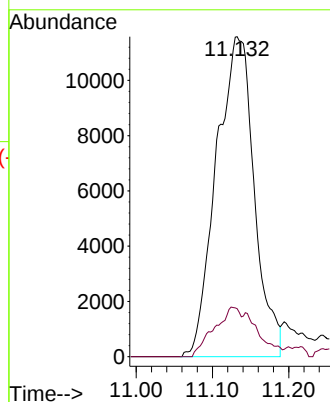
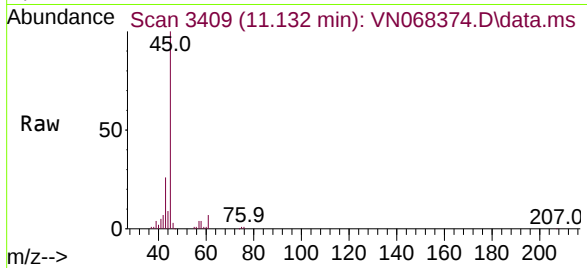




#59
2-Hexanone
Concen: 12.049 ug/l
RT: 11.132 min Scan# 3409
Delta R.T. 0.046 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

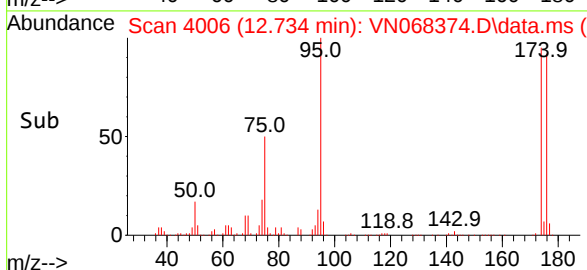
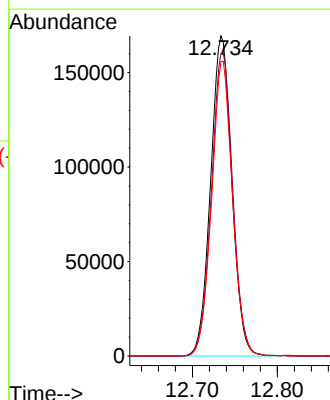
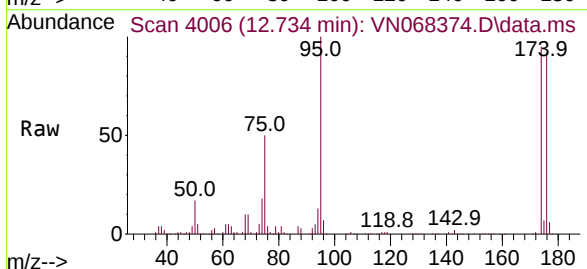
Instrument :
MSVOA_N
ClientSampled :

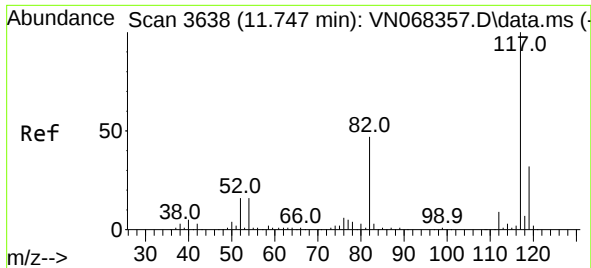
Tgt Ion: 43 Resp: 40102
Ion Ratio Lower Upper
43 100
58 10.6 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 52.770 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion: 95 Resp: 293354
Ion Ratio Lower Upper
95 100
174 95.9 0.0 211.4
176 90.9 0.0 205.4

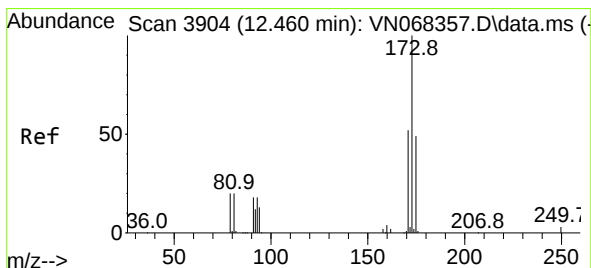
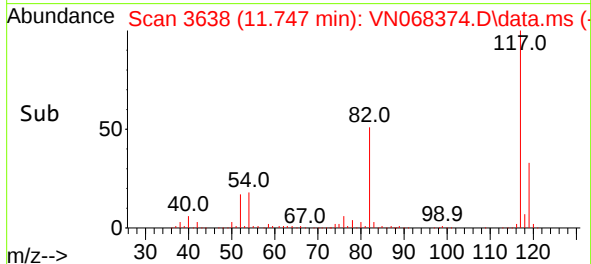
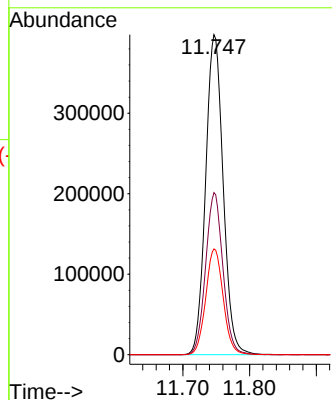
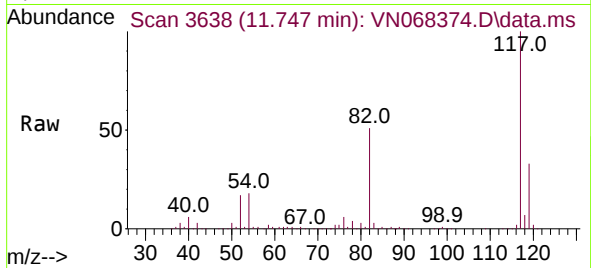




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

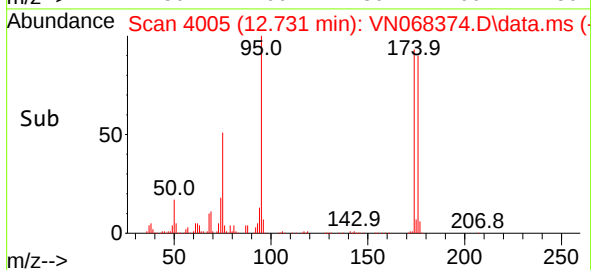
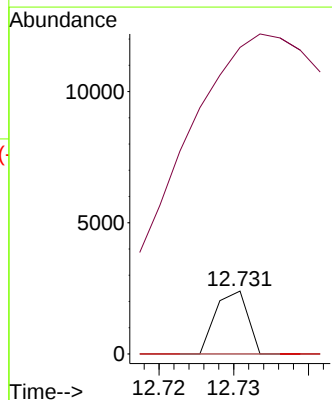
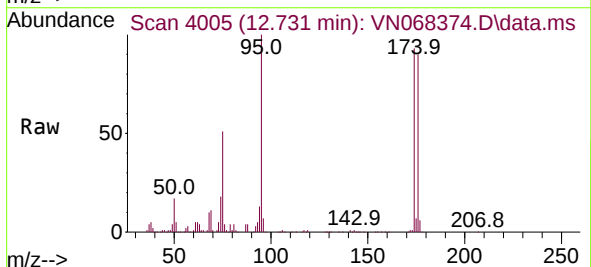
Instrument :
MSVOA_N
ClientSampled :

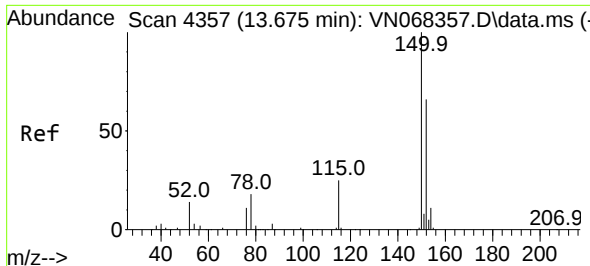
Tgt Ion:117 Resp: 724609
Ion Ratio Lower Upper
117 100
82 50.7 37.8 56.6
119 33.0 26.0 39.0



#71
Bromoform
Concen: 2.066 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion:173 Resp: 713
Ion Ratio Lower Upper
173 100
175 2809.1 24.0 72.0#
254 0.0 0.0 0.0

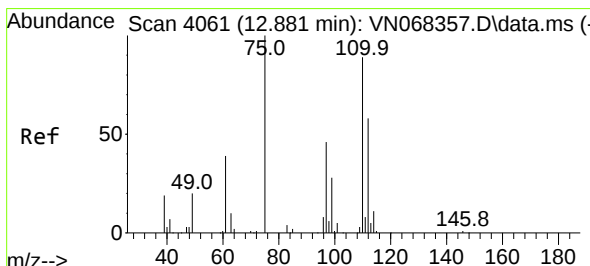
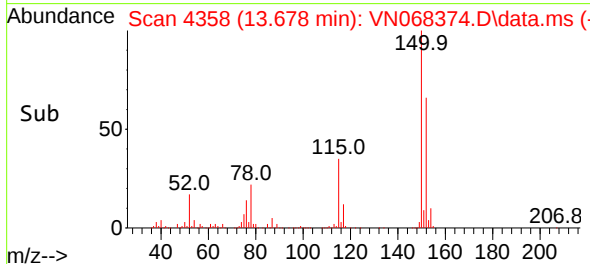
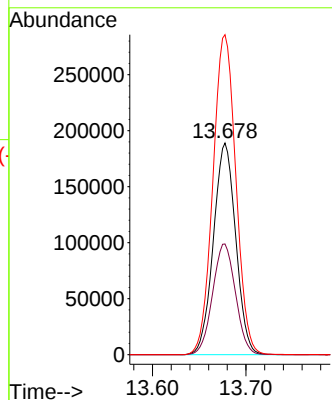
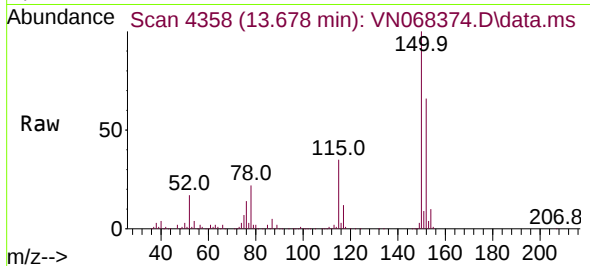




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

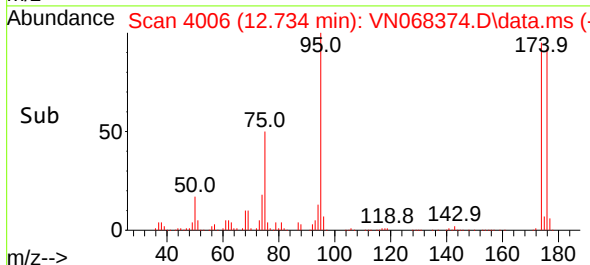
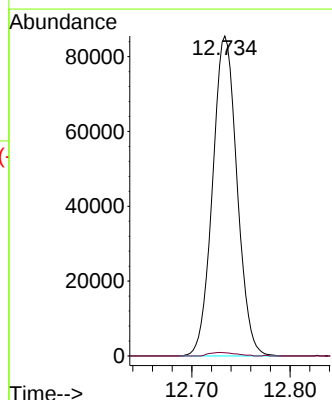
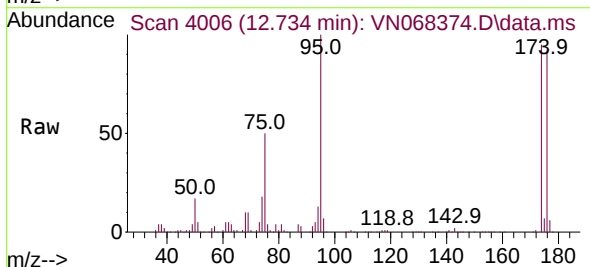
Instrument :
MSVOA_N
ClientSampled :

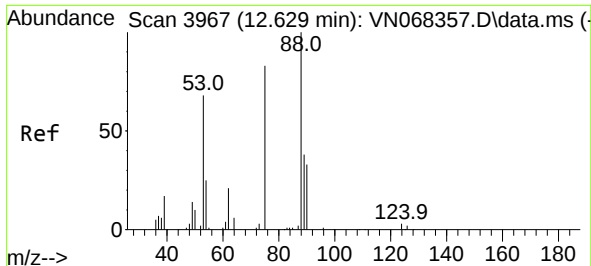
Tgt Ion:152 Resp: 313383
Ion Ratio Lower Upper
152 100
115 53.7 26.1 78.3
150 155.5 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 27.754 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion: 75 Resp: 147820
Ion Ratio Lower Upper
75 100
77 1.2 108.3 324.9#

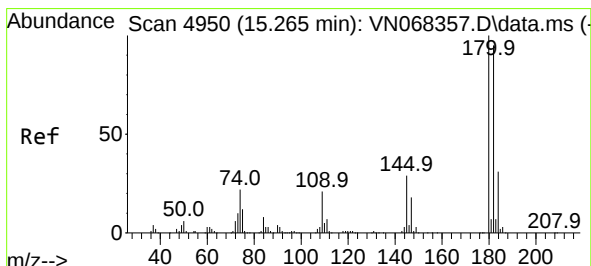
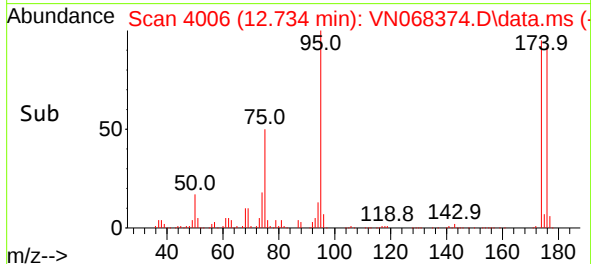
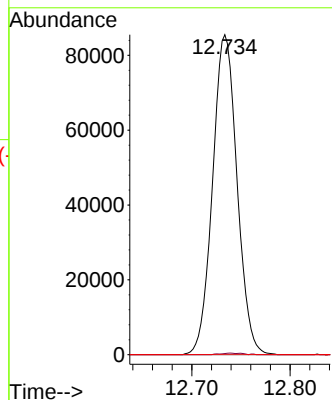
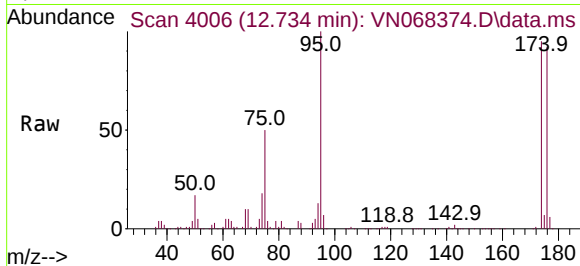




#81
trans-1,4-Dichloro-2-butene
Concen: 91.700 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

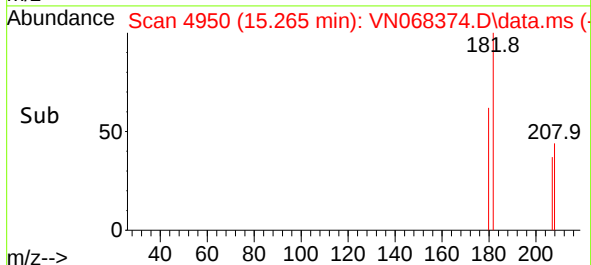
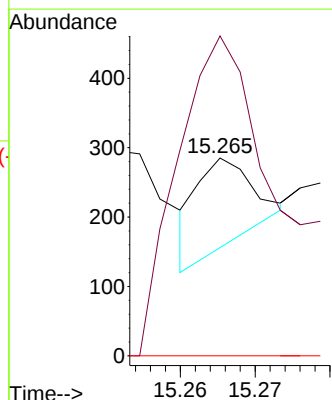
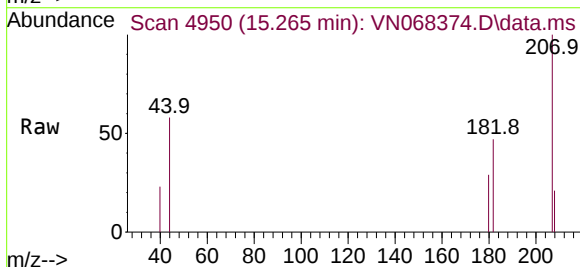
Instrument :
MSVOA_N
ClientSampled :

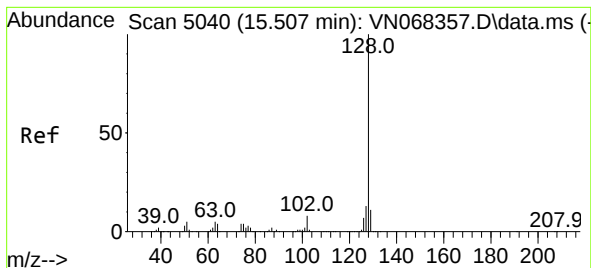
Tgt Ion: 75 Resp: 147820
Ion Ratio Lower Upper
75 100
53 0.4 69.4 104.2#
89 0.0 39.8 59.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.218 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion:180 Resp: 69
Ion Ratio Lower Upper
180 100
182 565.2 46.9 140.7#
145 0.0 14.1 42.3#

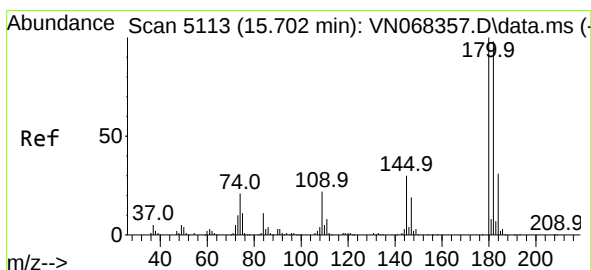
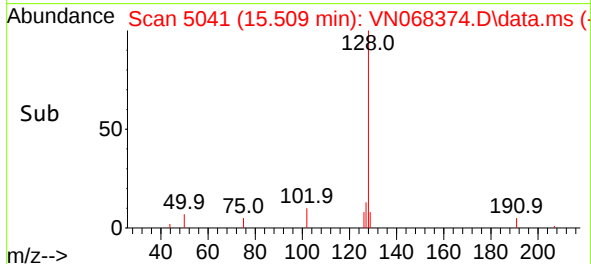
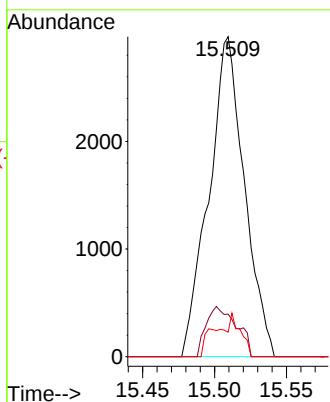
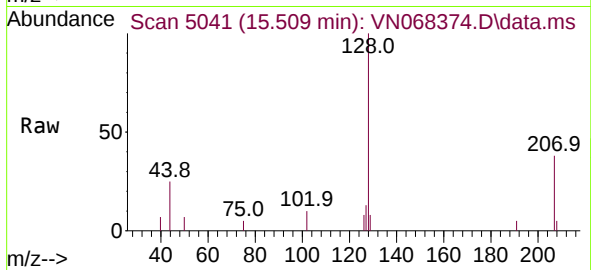




#95
Naphthalene
Concen: 2.720 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 5091
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 4.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.086 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068374.D
Acq: 31 Aug 2021 17:11

Tgt Ion:180 Resp: 507
Ion Ratio Lower Upper
180 100
182 79.9 47.5 142.6
145 0.0 14.7 44.1#

