

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067374.D
 Acq On : 17 Jun 2021 13:25
 Operator : JC/MD
 Sample : VN0617WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

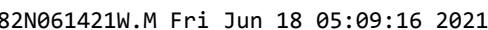
Quant Time: Jun 18 05:09:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

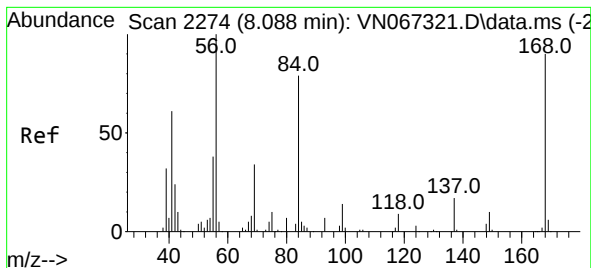
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	294897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	578588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	512605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	173862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	286266	49.208	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.420%		
35) Dibromofluoromethane	8.024	113	180107	46.805	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.600%		
50) Toluene-d8	10.443	98	761209	51.611	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.220%		
62) 4-Bromofluorobenzene	12.733	95	265421	43.607	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.065	85	54	1.337	ug/l #	43
3) Chloromethane	2.301	50	1162	0.260	ug/l	94
5) Bromomethane	2.885	94	1093	0.587	ug/l #	70
10) Methyl Iodide	4.422	142	342	6.822	ug/l #	41
13) Acrolein	4.039	56	537	0.898	ug/l #	40
16) Acetone	4.301	43	2239	1.003	ug/l	98
17) Carbon Disulfide	4.519	76	2289	0.200	ug/l #	74
20) Methylene Chloride	5.090	84	1639	0.353	ug/l #	79
25) 2-Butanone	7.327	43	1074	0.337	ug/l #	51
31) Cyclohexane	8.086	56	10600	1.340	ug/l #	14
36) 1,1-Dichloropropene	8.083	75	35317	5.445	ug/l #	47
38) Carbon Tetrachloride	8.088	117	37211	5.337	ug/l #	15
51) 4-Methyl-2-Pentanone	10.336	43	1913	0.269	ug/l #	69
59) 2-Hexanone	11.092	43	3418	0.657	ug/l	98
74) N-amyl acetate	12.390	43	2199	0.270	ug/l #	85
76) 1,2,3-Trichloropropane	12.733	75	156473	34.657	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	156473	85.891	ug/l #	6
89) n-Butylbenzene	13.943	91	3144	0.262	ug/l #	70
93) 1,2,4-Trichlorobenzene	15.273	180	1482	0.488	ug/l	93
95) Naphthalene	15.509	128	9563	3.466	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.708	180	899	0.308	ug/l #	20

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

Quant Time: Jun 18 05:09:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067374.D

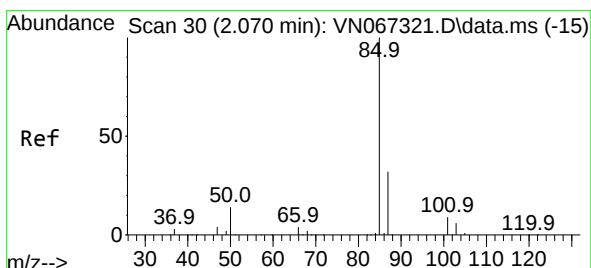
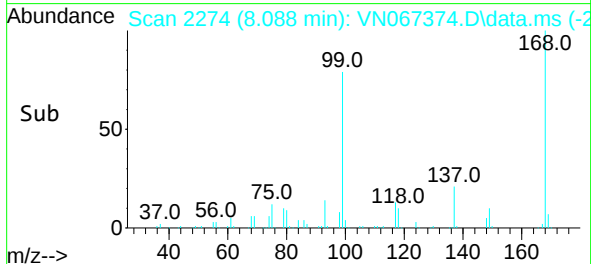
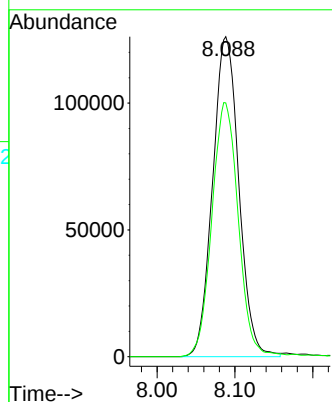
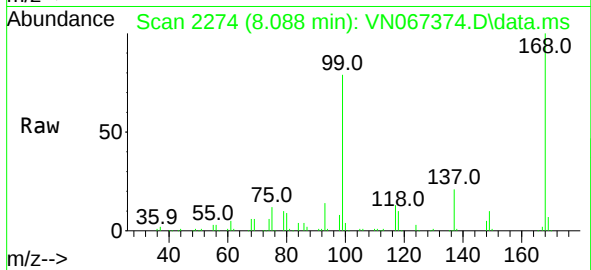
Acq: 17 Jun 2021 13:25

Tgt Ion:168 Resp: 294897

Ion Ratio Lower Upper

168 100

99 79.3 62.9 94.3



#2

Dichlorodifluoromethane

Concen: 1.337 ug/l

RT: 2.065 min Scan# 28

Delta R.T. -0.005 min

Lab File: VN067374.D

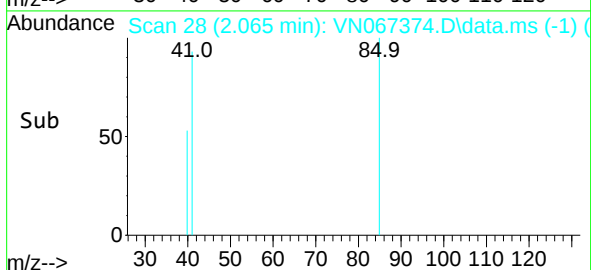
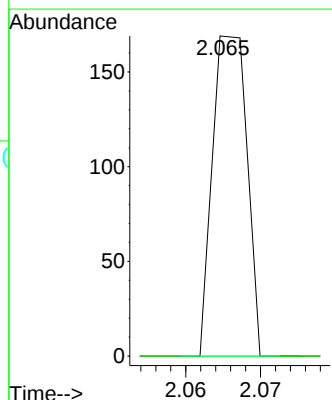
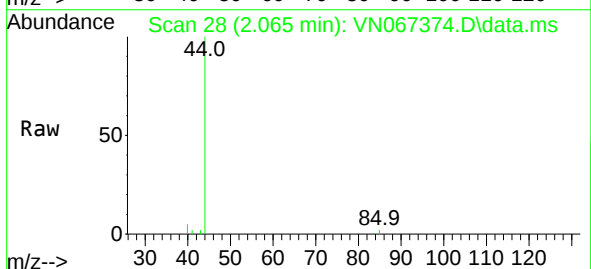
Acq: 17 Jun 2021 13:25

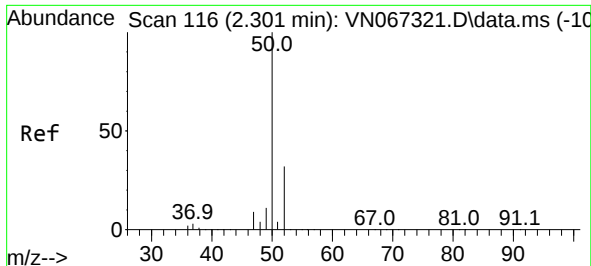
Tgt Ion: 85 Resp: 54

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.2#

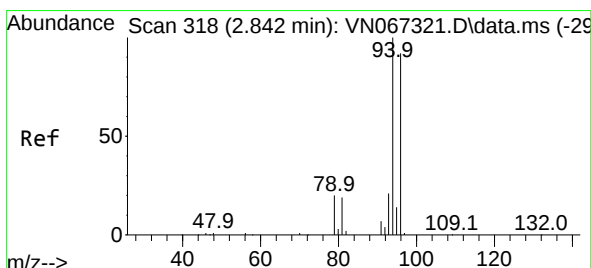
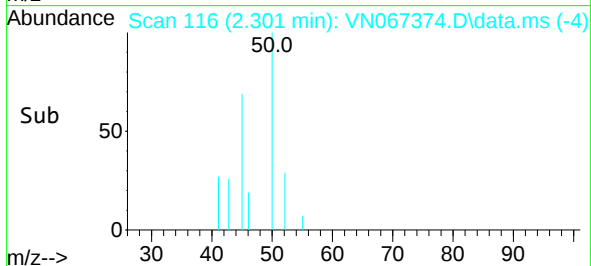
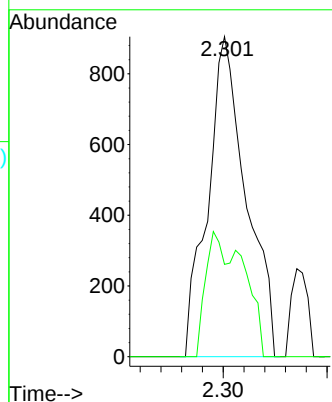
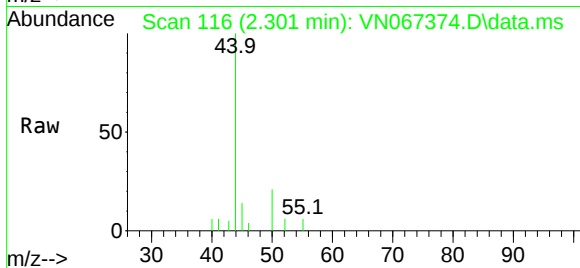




#3
Chloromethane
Concen: 0.260 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

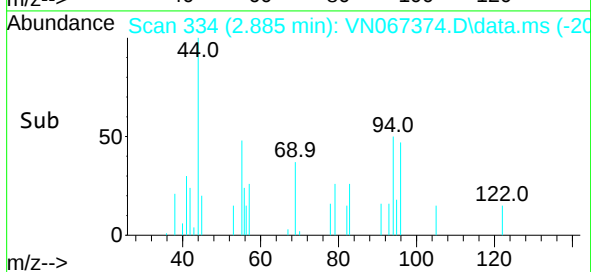
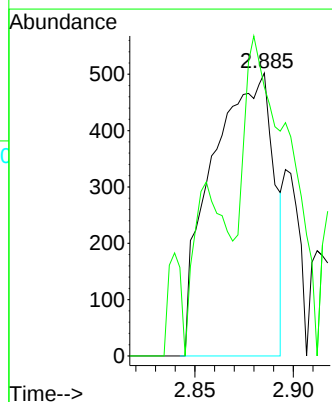
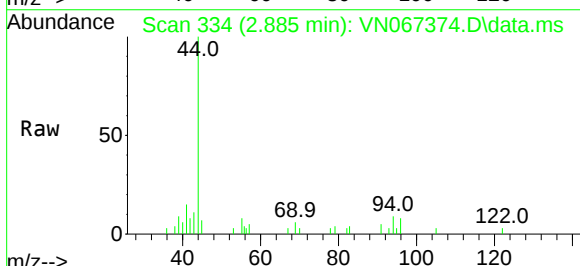
Instrument :
MSVOA_N
ClientSampled :

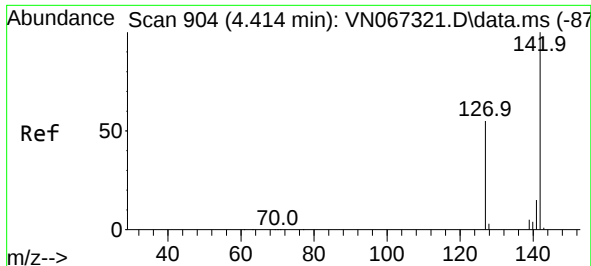
Tgt Ion: 50 Resp: 1162
Ion Ratio Lower Upper
50 100
52 28.8 25.6 38.4



#5
Bromomethane
Concen: 0.587 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.043 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

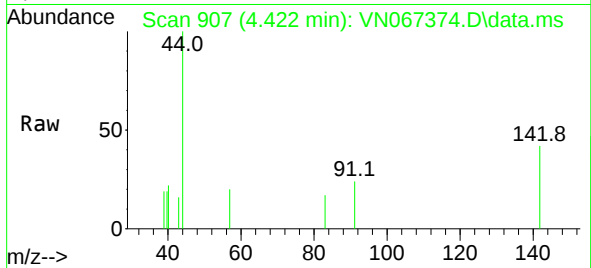
Tgt Ion: 94 Resp: 1093
Ion Ratio Lower Upper
94 100
96 63.7 73.7 110.5#



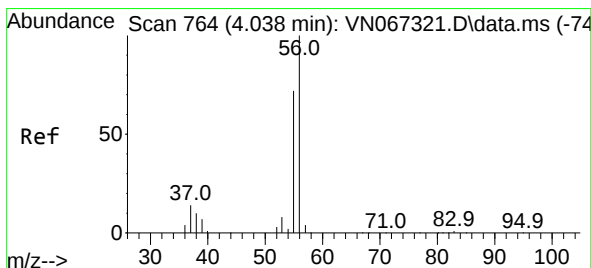
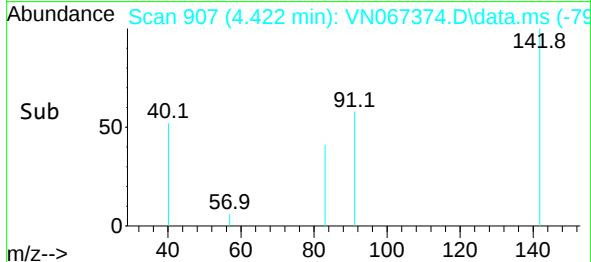
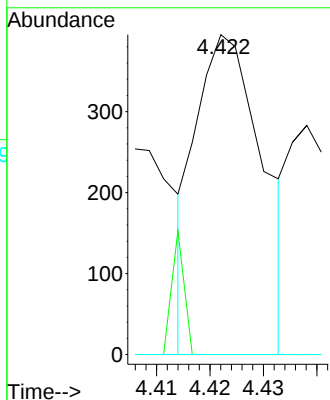


#10
Methyl Iodide
Concen: 6.822 ug/l
RT: 4.422 min Scan# 907
Delta R.T. 0.008 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :

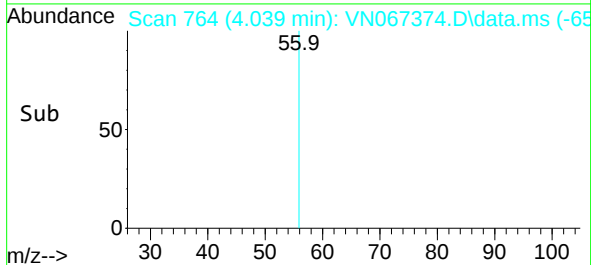
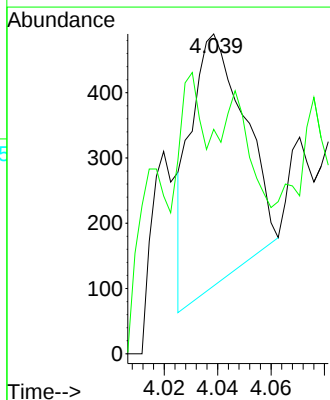
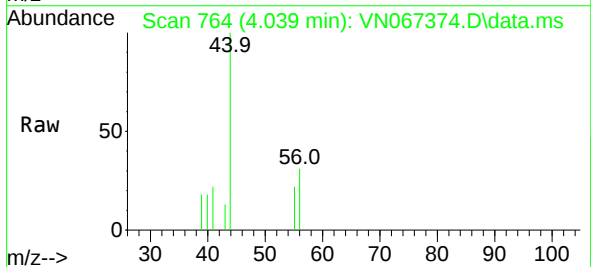


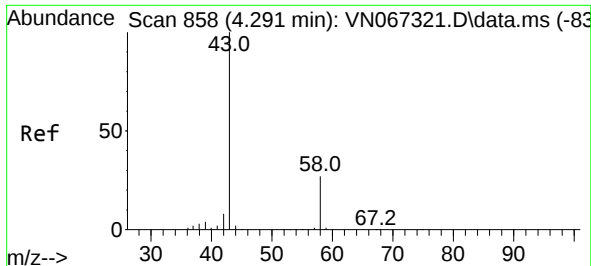
Tgt Ion:142 Resp: 342
Ion Ratio Lower Upper
142 100
127 7.3 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.898 ug/l
RT: 4.039 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 56 Resp: 537
Ion Ratio Lower Upper
56 100
55 22.0 57.4 86.0#

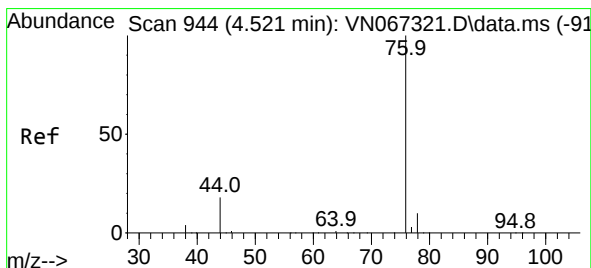
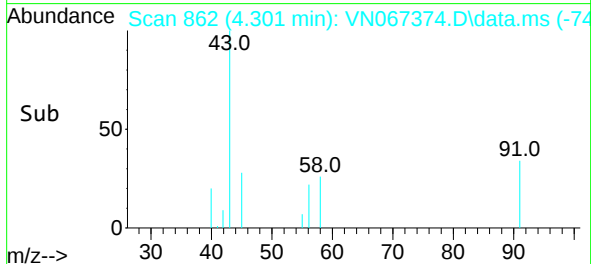
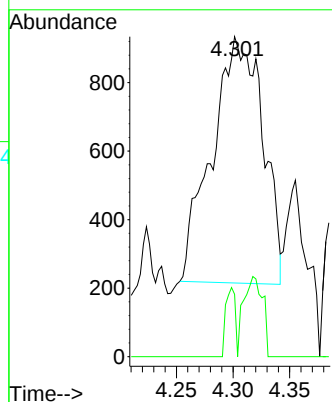
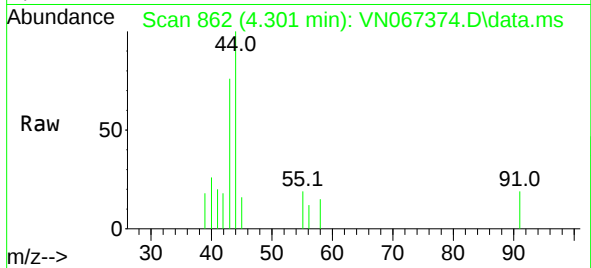




#16
Acetone
Concen: 1.003 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

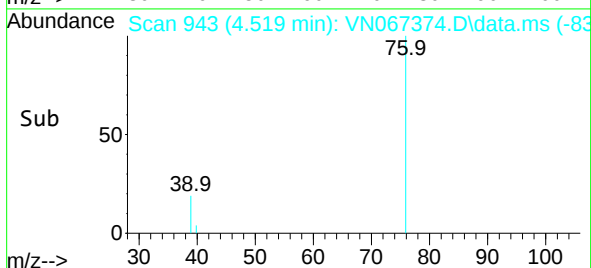
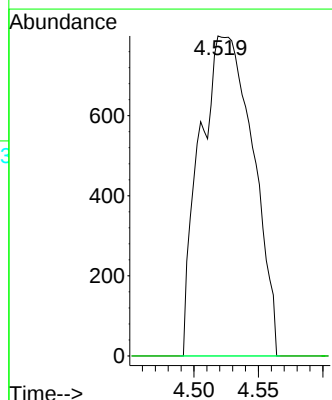
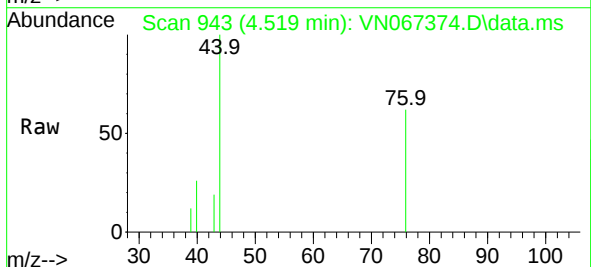
Instrument :
MSVOA_N
ClientSampled :

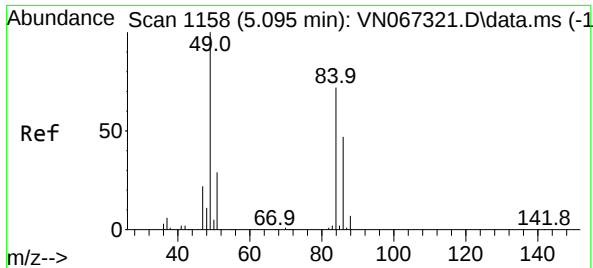
Tgt Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
58 25.5 21.2 31.8



#17
Carbon Disulfide
Concen: 0.200 ug/l
RT: 4.519 min Scan# 943
Delta R.T. -0.002 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

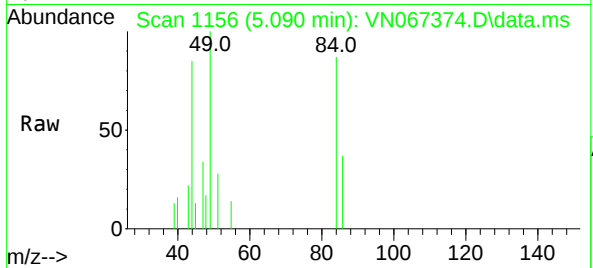
Tgt Ion: 76 Resp: 2289
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



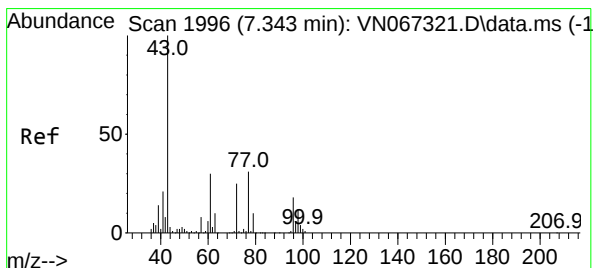
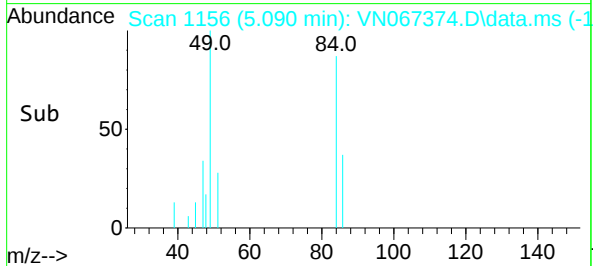
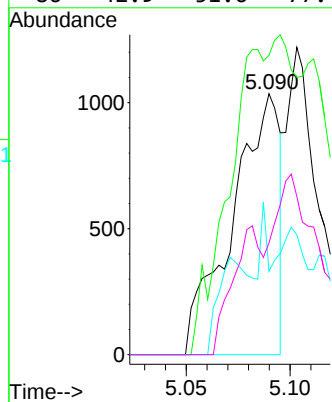


#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Instrument :
MSVOA_N
ClientSampled :

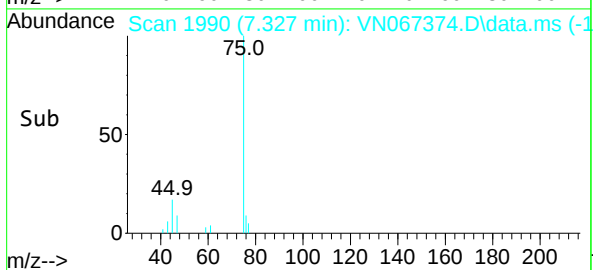
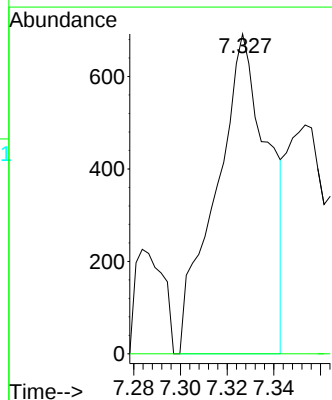
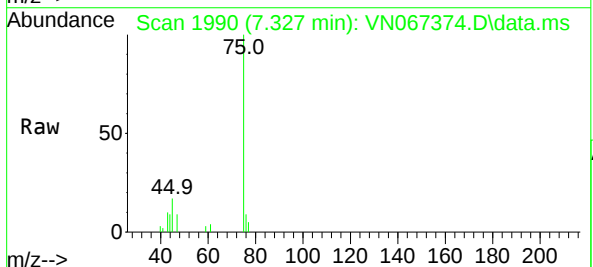


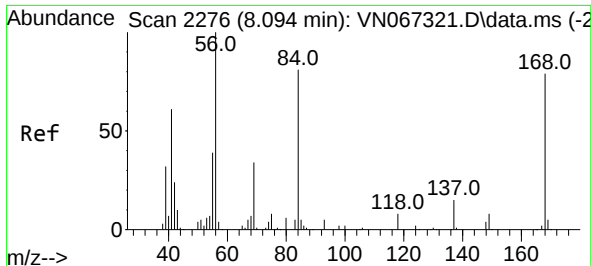
Tgt Ion: 84 Resp: 1639
Ion Ratio Lower Upper
84 100
49 114.7 110.9 166.3
51 31.9 32.6 49.0#
86 42.9 51.6 77.4#



#25
2-Butanone
Concen: 0.337 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.016 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#

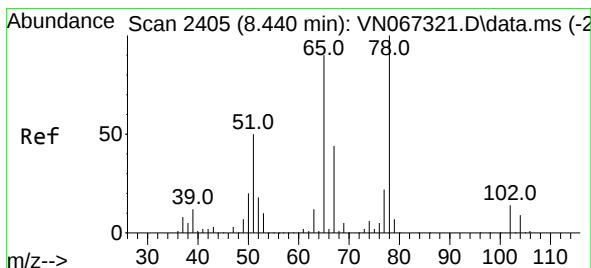
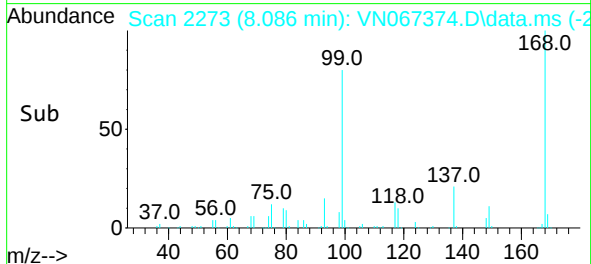
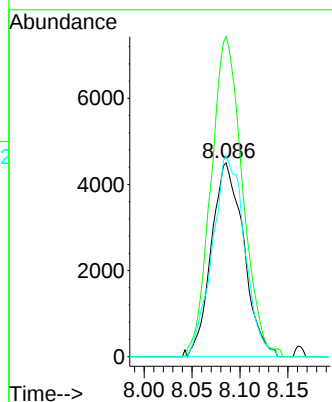
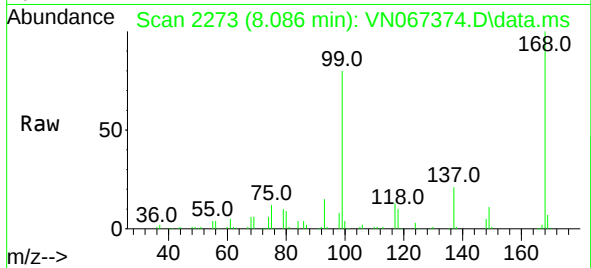




#31
Cyclohexane
Concen: 1.340 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

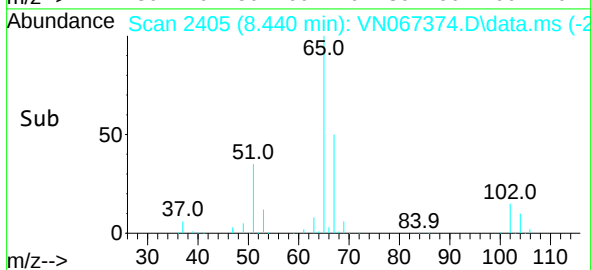
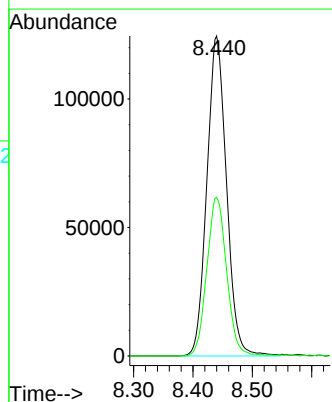
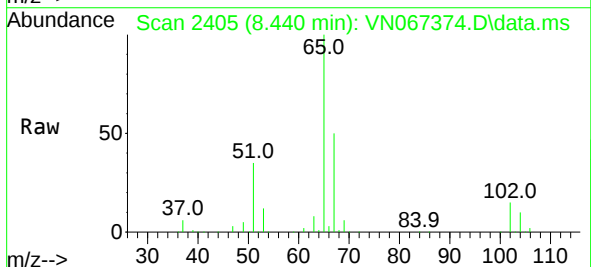
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MSVOA_N
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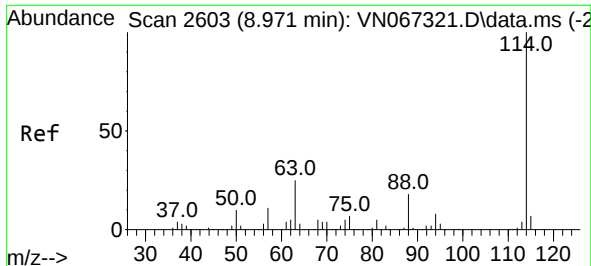
Tgt Ion: 56 Resp: 10600
Ion Ratio Lower Upper
56 100
69 165.3 27.3 40.9#
84 103.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.208 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 65 Resp: 286266
Ion Ratio Lower Upper
65 100
67 50.0 0.0 98.6

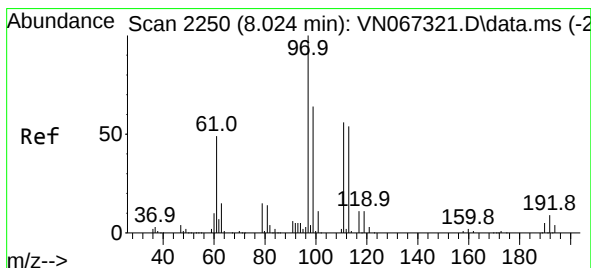
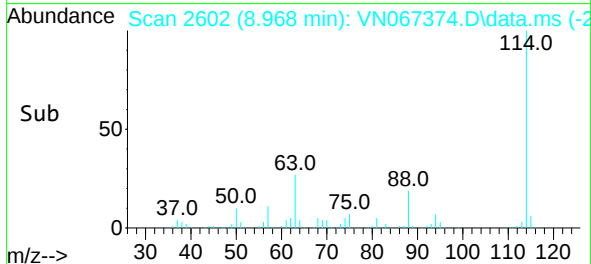
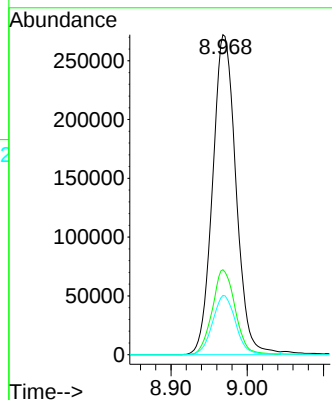
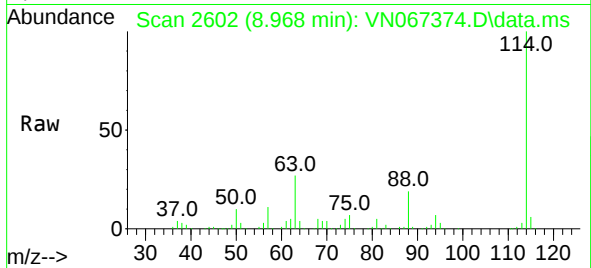




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

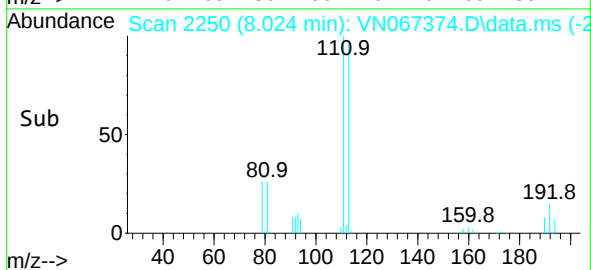
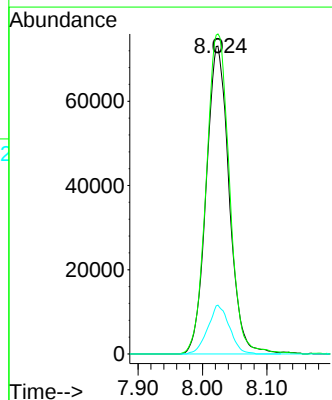
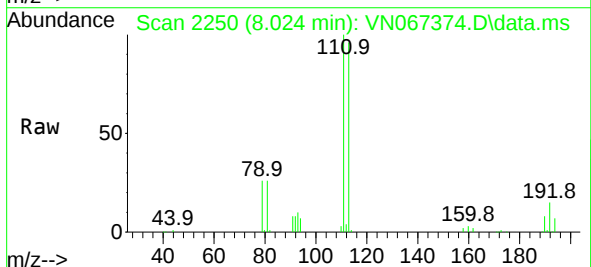
Instrument :
MSVOA_N
ClientSampled :

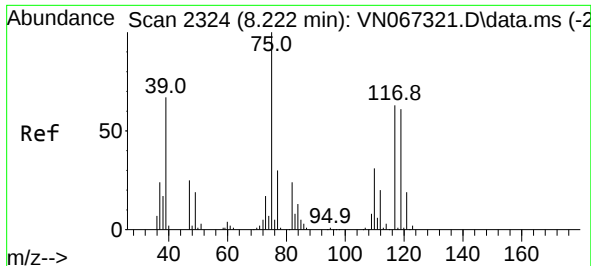
Tgt Ion:114 Resp: 578588
Ion Ratio Lower Upper
114 100
63 26.5 0.0 49.0
88 18.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.805 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion:113 Resp: 180107
Ion Ratio Lower Upper
113 100
111 105.4 83.8 125.8
192 15.0 13.4 20.0

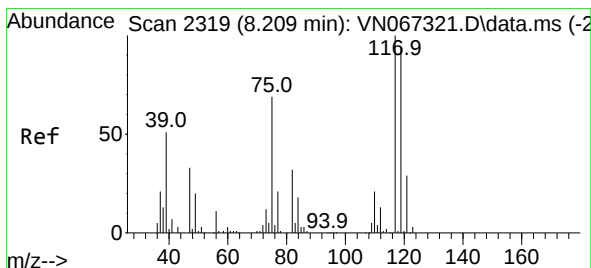
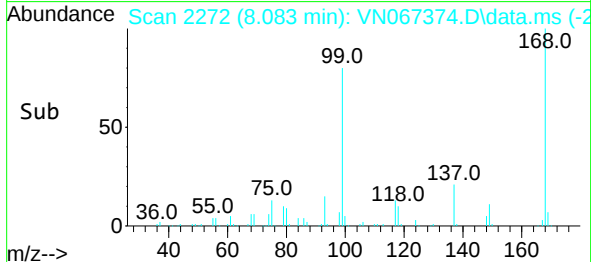
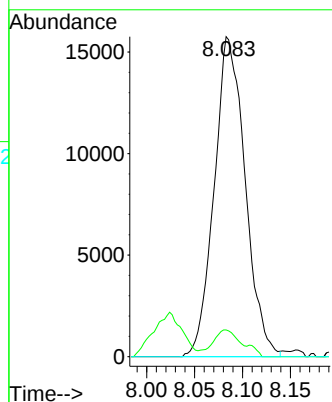
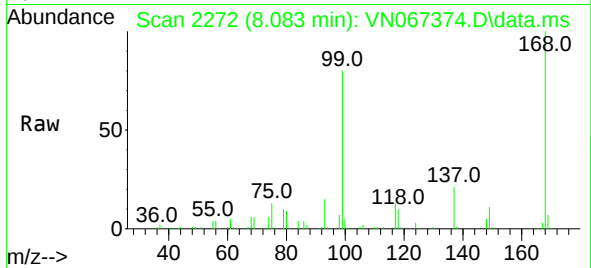




#36
1,1-Dichloropropene
Concen: 5.445 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

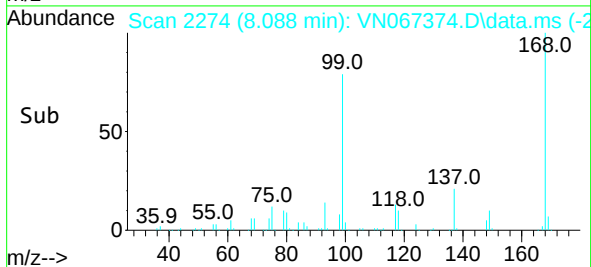
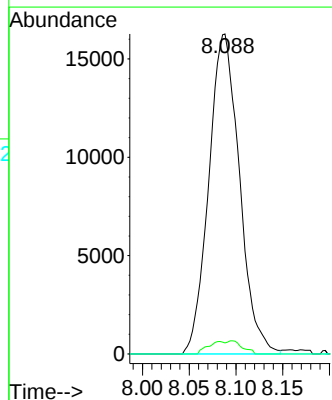
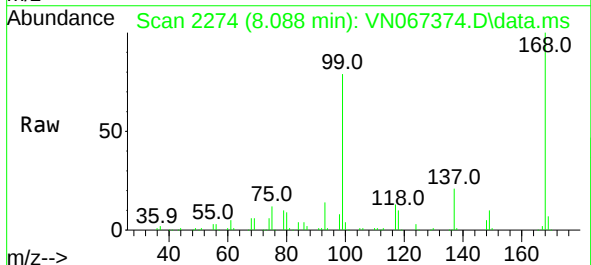
Instrument :
MSVOA_N
ClientSampled :

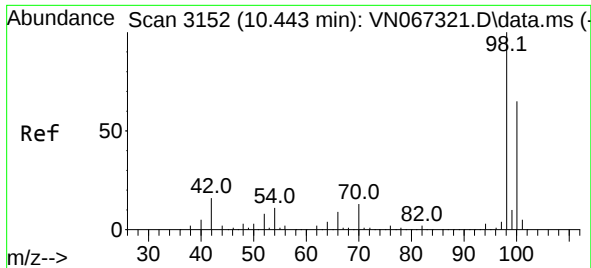
Tgt Ion: 75 Resp: 35317
Ion Ratio Lower Upper
75 100
110 4.2 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.337 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 117 Resp: 37211
Ion Ratio Lower Upper
117 100
119 3.5 75.4 113.2#
121 0.0 23.5 35.3#

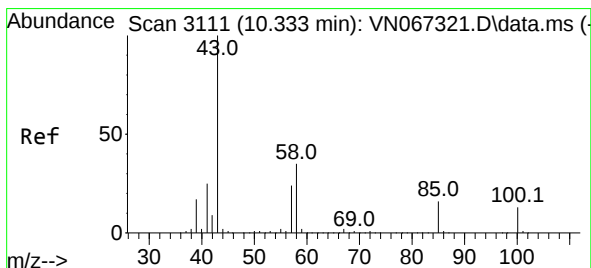
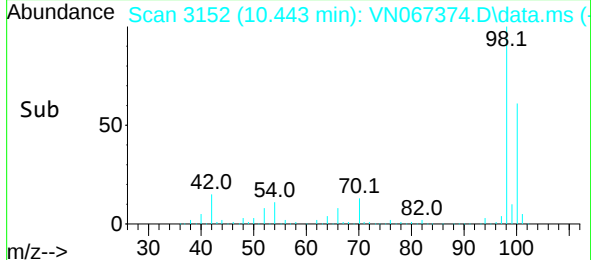
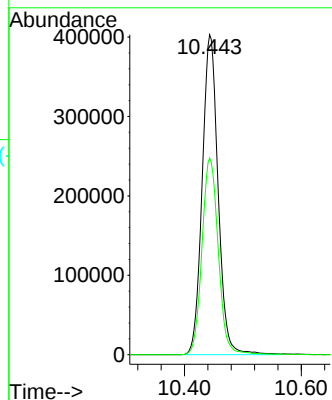
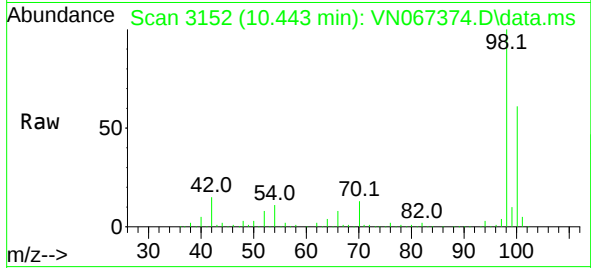




#50
Toluene-d8
Concen: 51.611 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

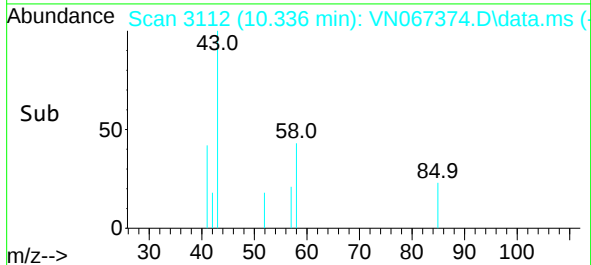
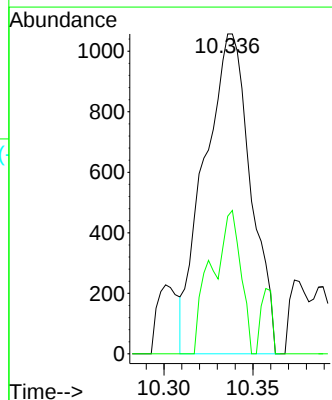
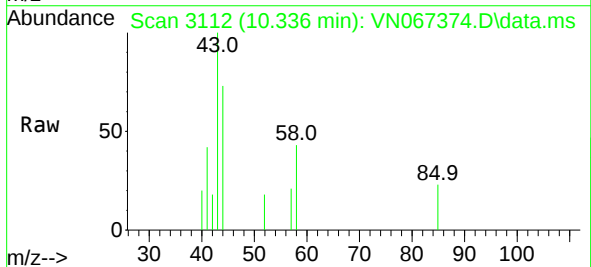
Instrument :
MSVOA_N
ClientSampled :

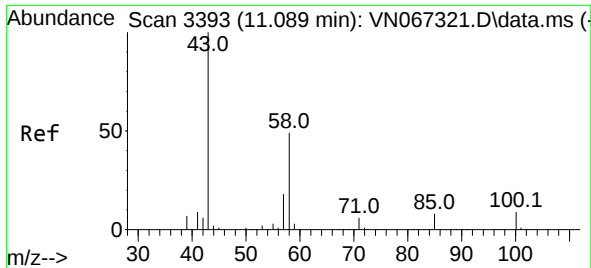
Tgt Ion: 98 Resp: 761209
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.269 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
58 17.4 28.6 43.0#

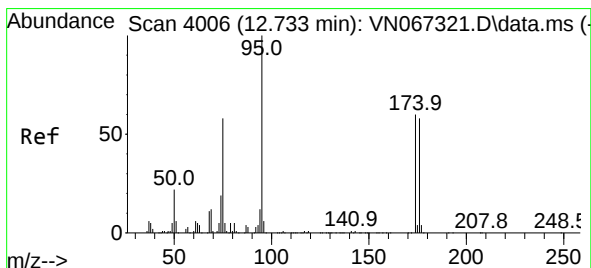
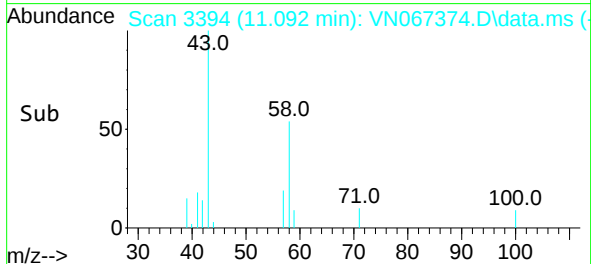
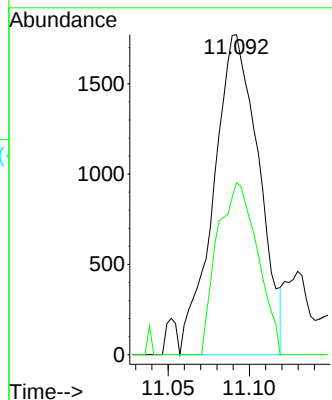
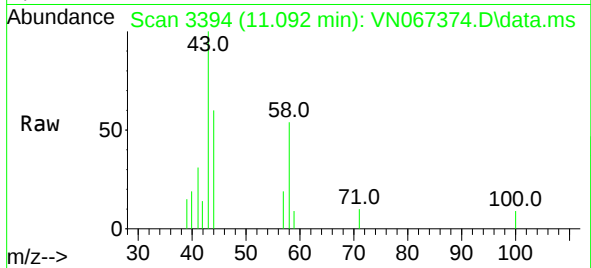




#59
2-Hexanone
Concen: 0.657 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

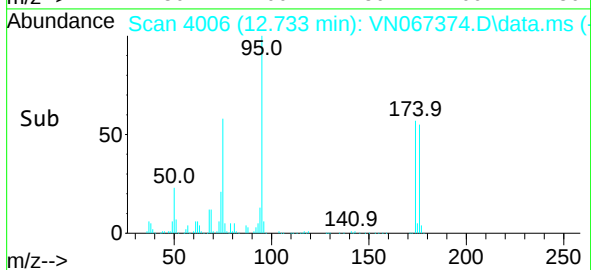
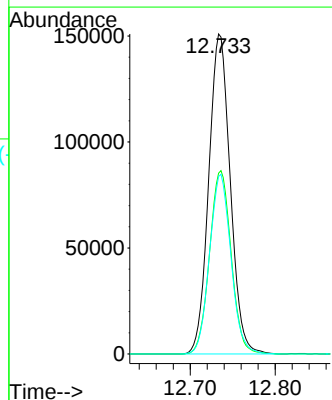
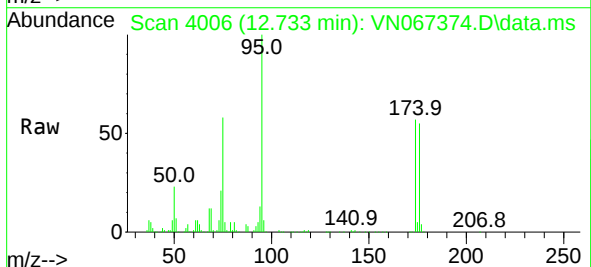
Instrument :
MSVOA_N
ClientSampled :

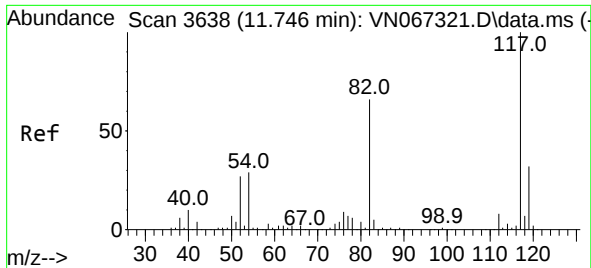
Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
58 48.1 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 43.607 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 95 Resp: 265421
Ion Ratio Lower Upper
95 100
174 57.5 0.0 122.0
176 55.9 0.0 117.6

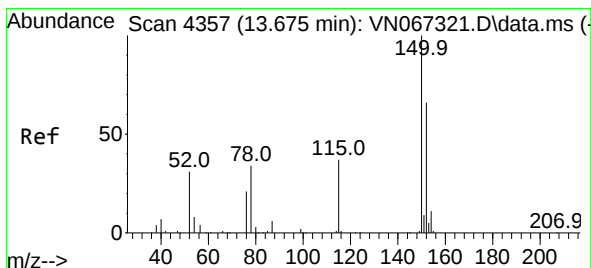
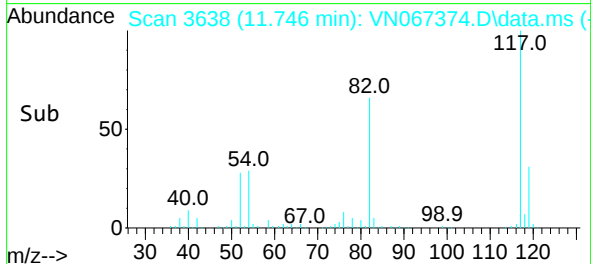
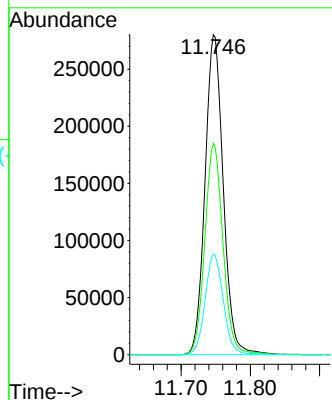
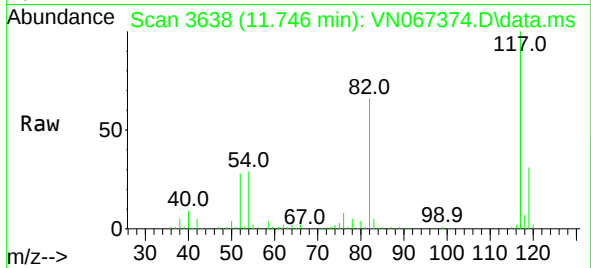




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

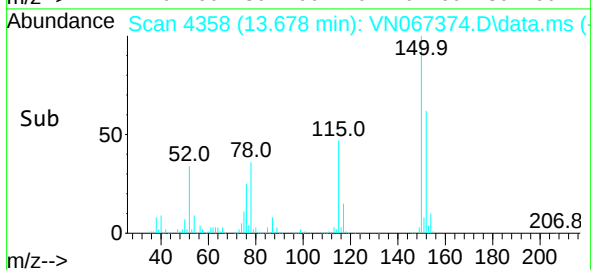
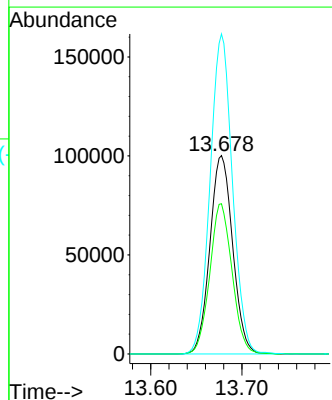
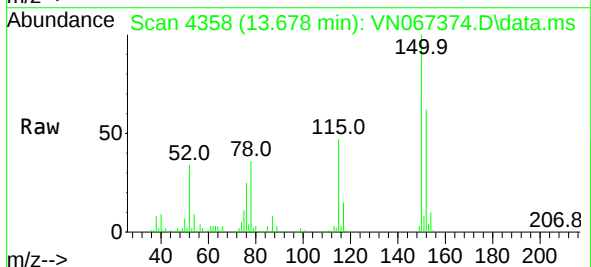
Instrument :
MSVOA_N
ClientSampled :

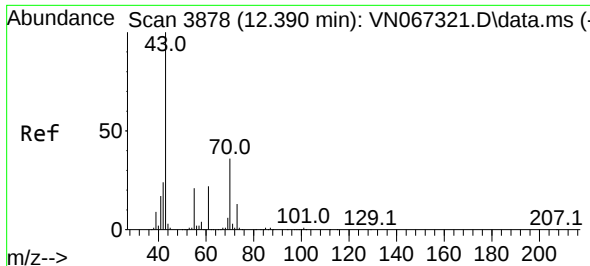
Tgt Ion:117 Resp: 512605
Ion Ratio Lower Upper
117 100
82 66.0 53.1 79.7
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

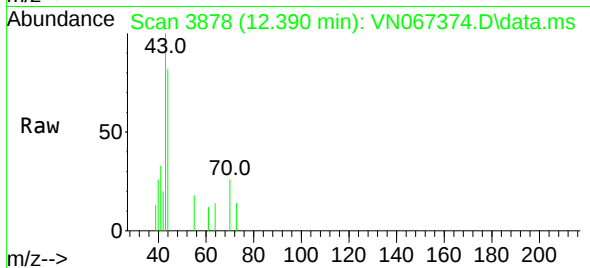
Tgt Ion:152 Resp: 173862
Ion Ratio Lower Upper
152 100
115 74.1 36.1 108.5
150 158.3 0.0 351.8





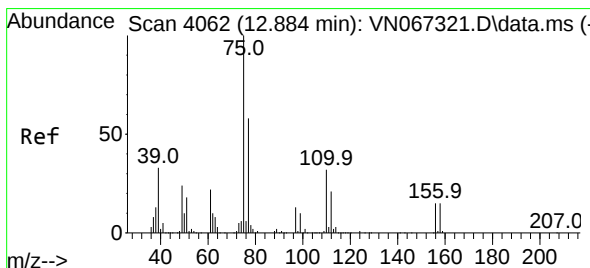
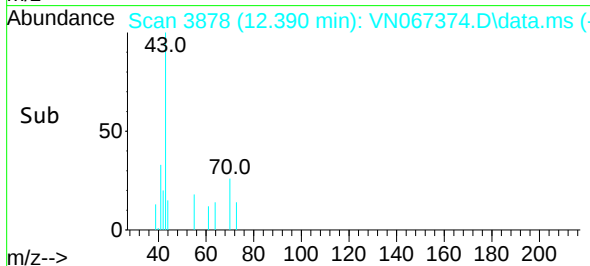
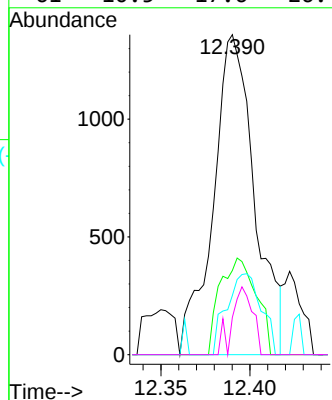
#74
N-amy1 acetate
Concen: 0.270 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 2199

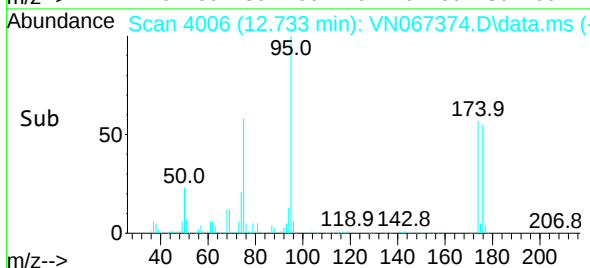
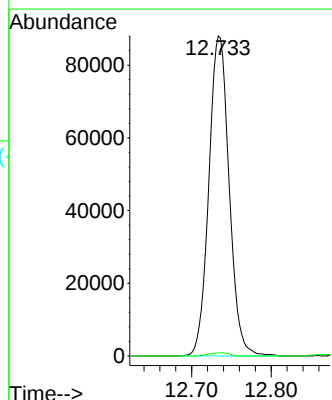
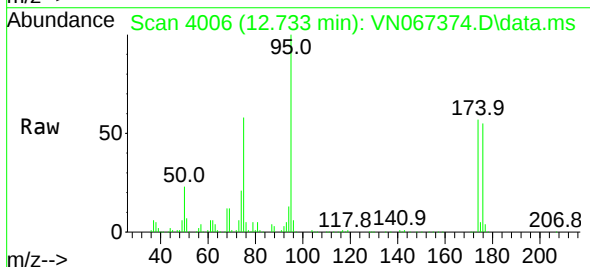
Ion	Ratio	Lower	Upper
43	100		
70	26.3	29.4	44.2#
55	21.1	17.0	25.4
61	10.5	17.6	26.4#

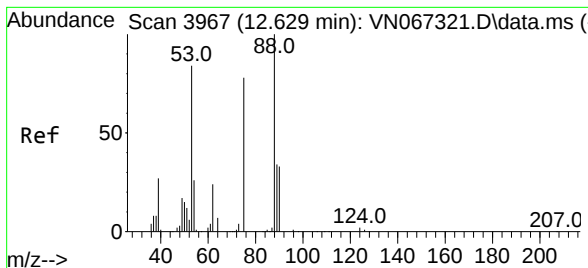


#76
1,2,3-Trichloropropane
Concen: 34.657 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 75 Resp: 156473

Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

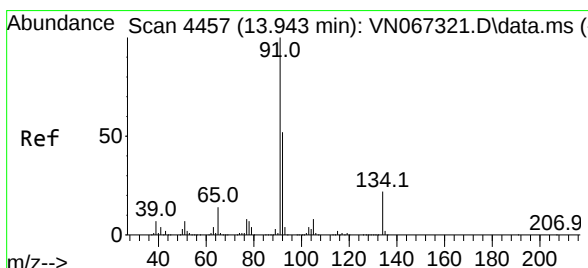
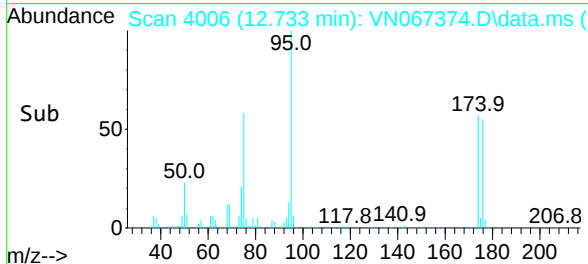
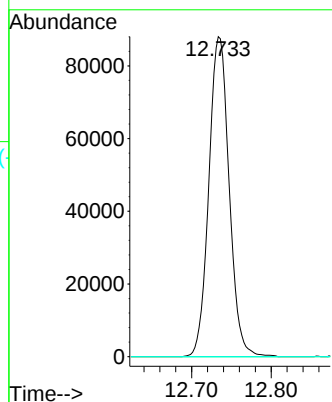
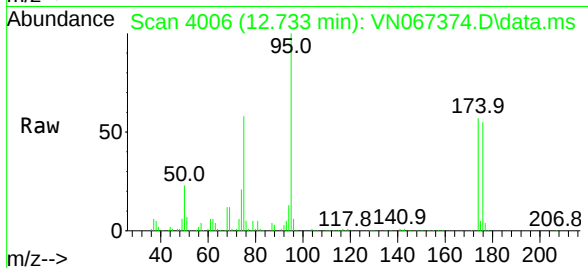




#81
trans-1,4-Dichloro-2-butene
Concen: 85.891 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

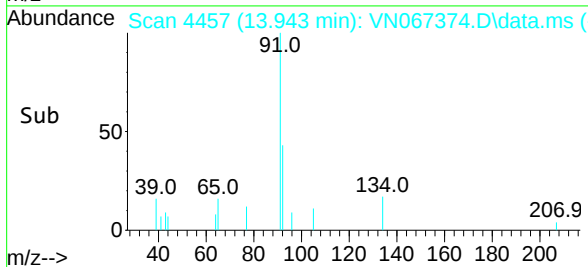
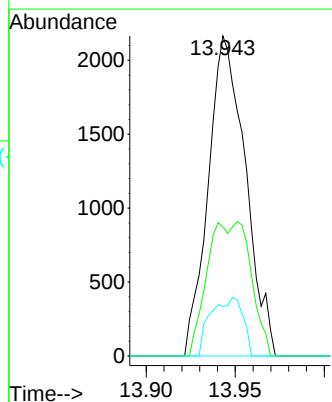
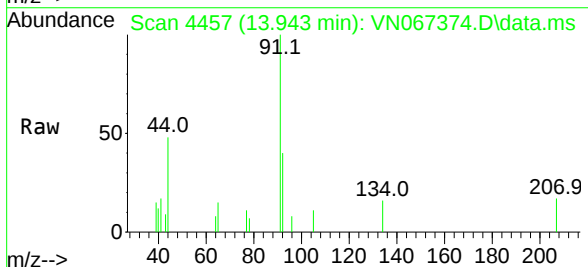
Instrument :
MSVOA_N
ClientSampleId :

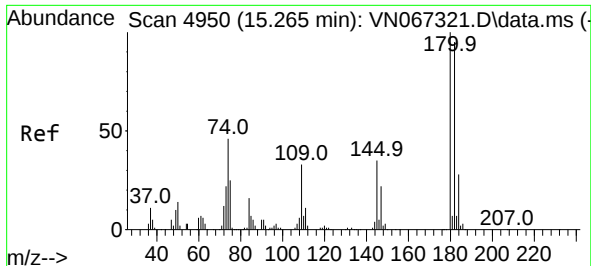
Tgt Ion: 75 Resp: 156473
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#89
n-Butylbenzene
Concen: 0.262 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion: 91 Resp: 3144
Ion Ratio Lower Upper
91 100
92 25.3 25.7 77.1#
134 15.8 11.2 33.6

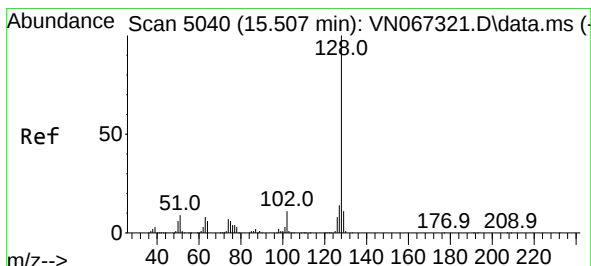
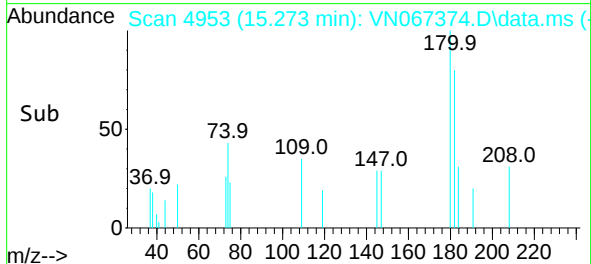
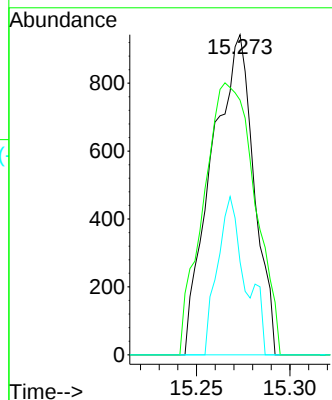
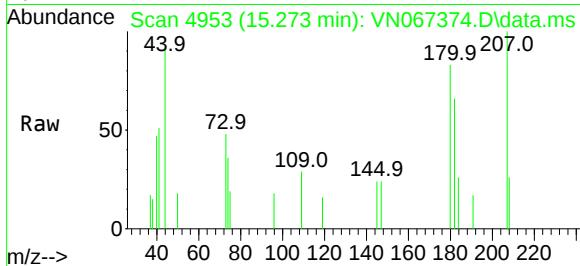




#93
1,2,4-Trichlorobenzene
Concen: 0.488 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

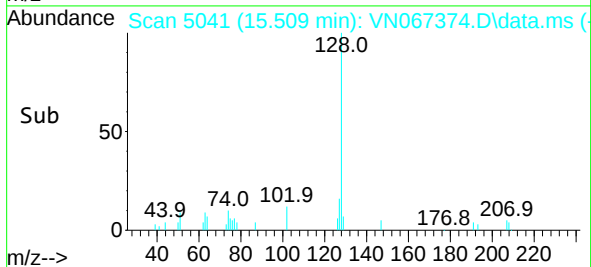
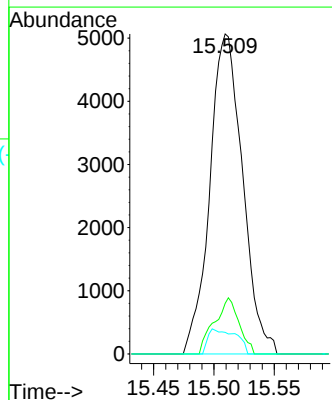
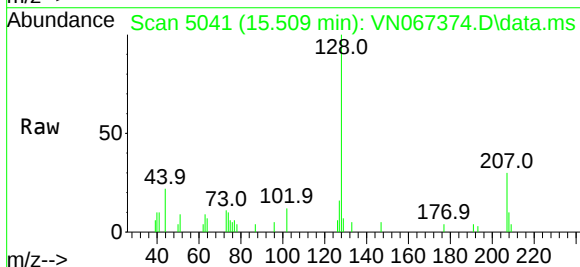
Instrument :
MSVOA_N
ClientSampled :

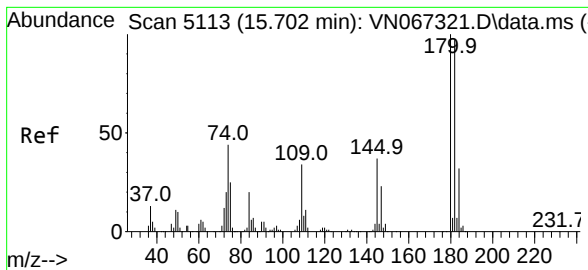
Tgt Ion:180 Resp: 1482
Ion Ratio Lower Upper
180 100
182 103.2 47.5 142.5
145 32.6 17.2 51.6



#95
Naphthalene
Concen: 3.466 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067374.D
Acq: 17 Jun 2021 13:25

Tgt Ion:128 Resp: 9563
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 6.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.308 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN067374.D
 Acq: 17 Jun 2021 13:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 899
 Ion Ratio Lower Upper
 180 100
 182 196.2 47.8 143.3#
 145 47.3 18.2 54.6

