

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068998.D
 Acq On : 18 Oct 2021 23:58
 Operator : JC/MD
 Sample : BLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 09:58:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

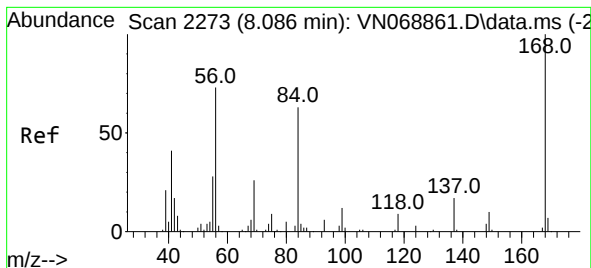
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	323059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	559525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	497253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	188028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	209589	49.206	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.420%		
35) Dibromofluoromethane	8.024	113	166017	50.998	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.000%		
50) Toluene-d8	10.443	98	683730	52.493	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.980%		
62) 4-Bromofluorobenzene	12.733	95	230167	46.836	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.078	85	25	1.249	ug/l #	42
5) Bromomethane	2.883	94	726	0.329	ug/l #	36
16) Acetone	4.301	43	1027	0.646	ug/l #	44
18) Methyl Acetate	4.867	43	3356	0.557	ug/l #	70
25) 2-Butanone	7.351	43	784	0.326	ug/l #	48
31) Cyclohexane	8.088	56	8076	1.219	ug/l #	24
36) 1,1-Dichloropropene	8.088	75	26448	5.534	ug/l #	50
38) Carbon Tetrachloride	8.088	117	34029	6.483	ug/l #	15
43) Isopropyl Acetate	8.584	43	3394	0.390	ug/l #	55
51) 4-Methyl-2-Pentanone	10.336	43	2448	0.485	ug/l #	77
59) 2-Hexanone	11.092	43	4804	1.327	ug/l	92
74) N-amyl acetate	12.396	43	2970	0.501	ug/l #	91
76) 1,2,3-Trichloropropane	12.733	75	117324	29.326	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	117324	70.160	ug/l #	12
82) 4-Chlorotoluene	13.106	91	2570	0.245	ug/l	95
87) 1,3-Dichlorobenzene	13.616	146	1894	0.316	ug/l	94
88) 1,4-Dichlorobenzene	13.616	146	1894	0.319	ug/l	95
89) n-Butylbenzene	13.946	91	3826	0.365	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	1952	0.336	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.614	75	343	0.393	ug/l	63
93) 1,2,4-Trichlorobenzene	15.265	180	2773	3.434	ug/l	97
95) Naphthalene	15.509	128	13642	5.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	3339	3.569	ug/l	94

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

Quant Time: Oct 19 09:58:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN068998.D

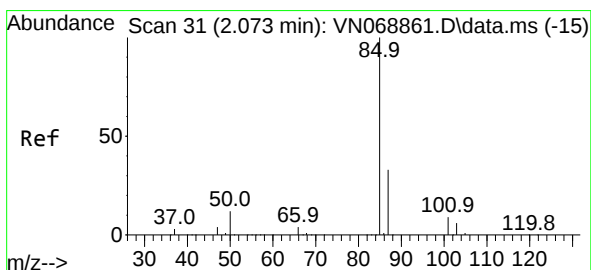
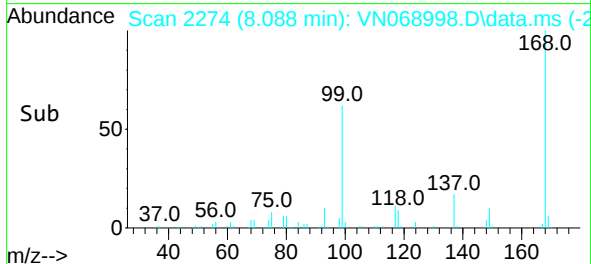
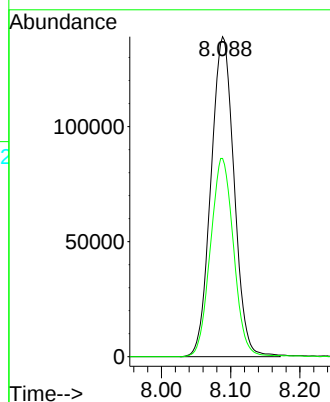
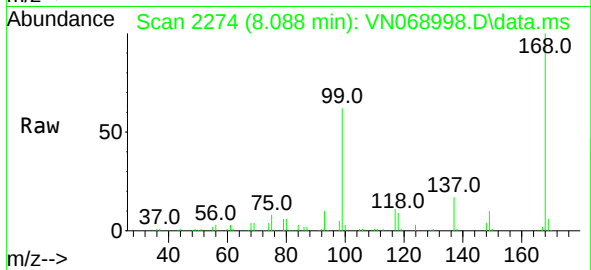
Acq: 18 Oct 2021 23:58

Tgt Ion:168 Resp: 323059

Ion Ratio Lower Upper

168 100

99 61.9 48.9 73.3



#2

Dichlorodifluoromethane

Concen: 1.249 ug/l

RT: 2.078 min Scan# 33

Delta R.T. 0.005 min

Lab File: VN068998.D

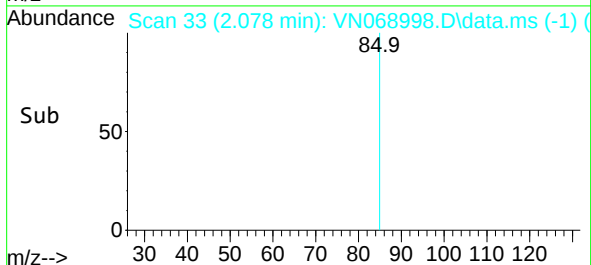
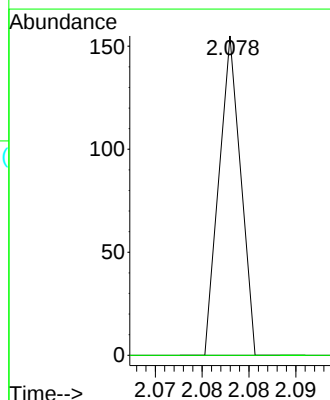
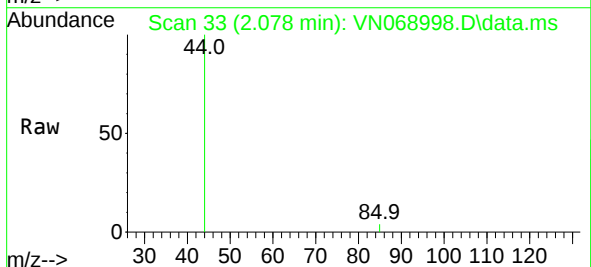
Acq: 18 Oct 2021 23:58

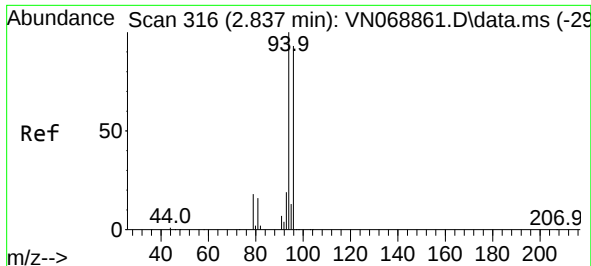
Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

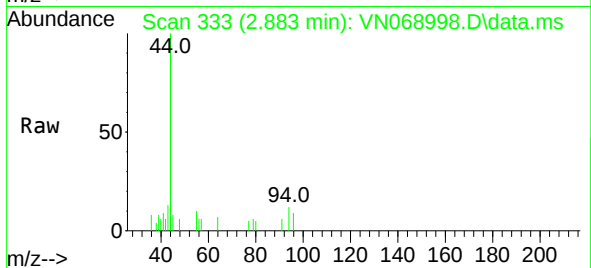
87 0.0 16.3 48.8#



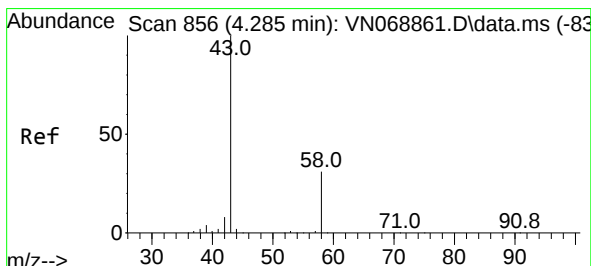
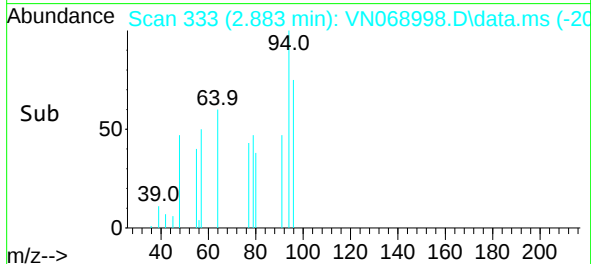
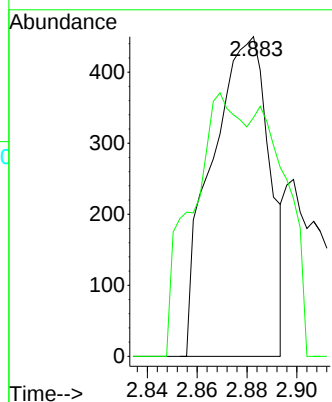


#5
Bromomethane
Concen: 0.329 ug/l
RT: 2.883 min Scan# 333
Delta R.T. 0.046 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Instrument :
MSVOA_N
ClientSampled :

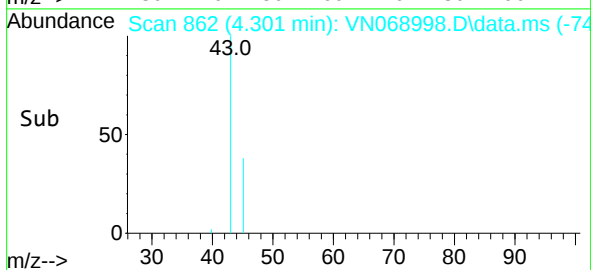
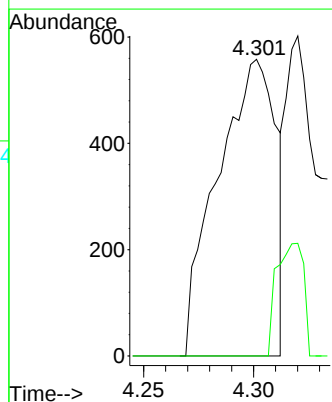
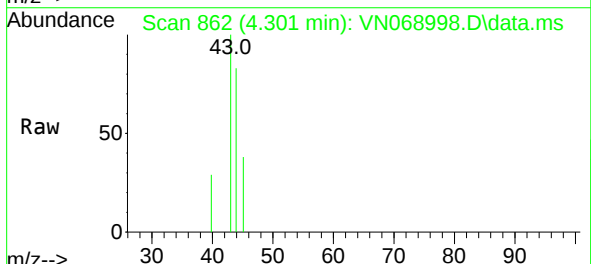


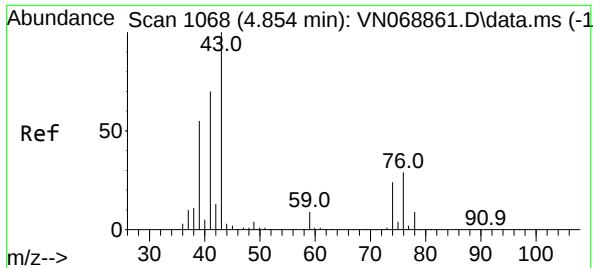
Tgt Ion: 94 Resp: 726
Ion Ratio Lower Upper
94 100
96 31.6 74.2 111.4#



#16
Acetone
Concen: 0.646 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#

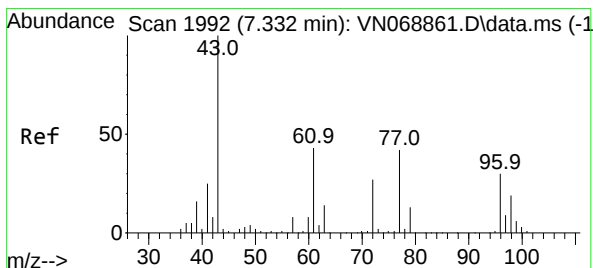
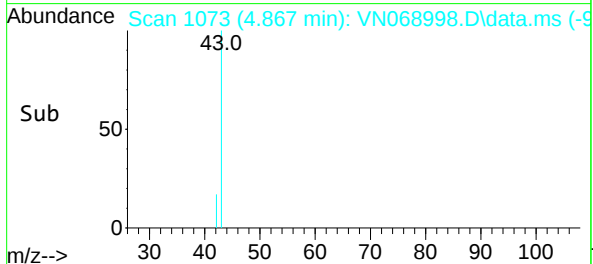
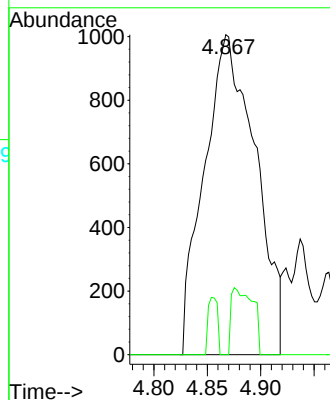
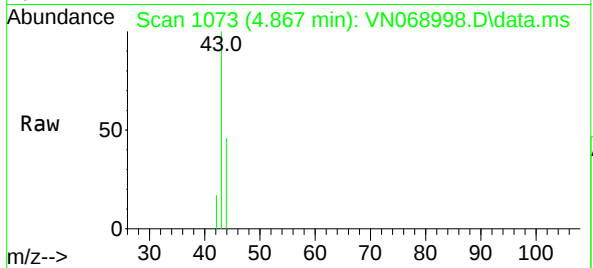




#18
Methyl Acetate
Concen: 0.557 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

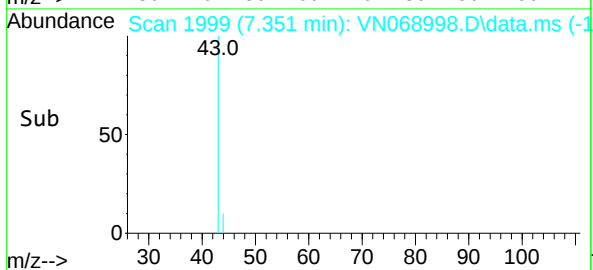
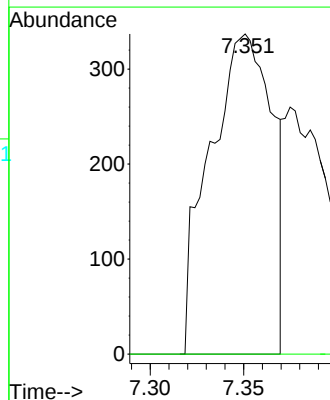
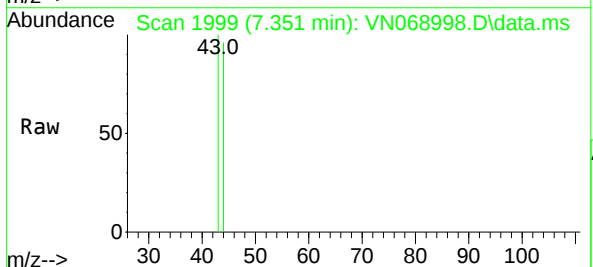
Instrument :
MSVOA_N
ClientSampled :

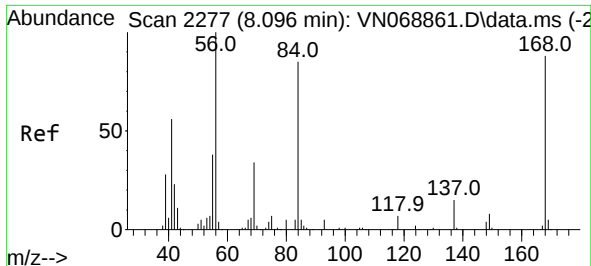
Tgt Ion: 43 Resp: 3356
Ion Ratio Lower Upper
43 100
74 8.8 18.9 28.3#



#25
2-Butanone
Concen: 0.326 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

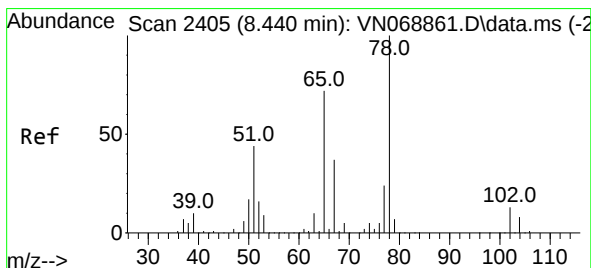
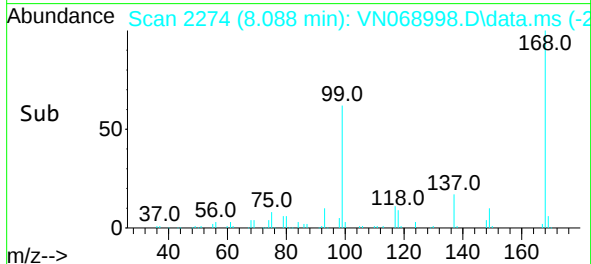
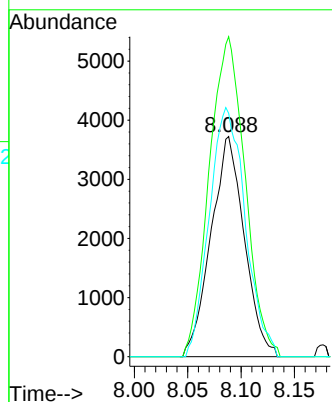
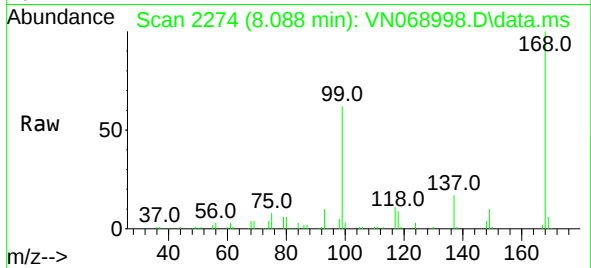




#31
Cyclohexane
Concen: 1.219 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

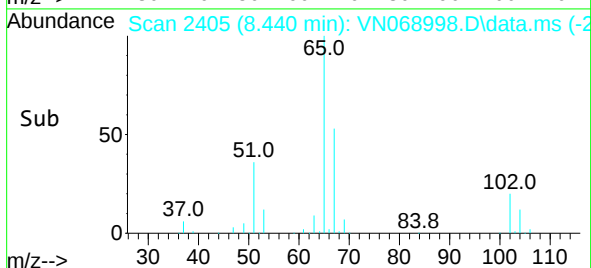
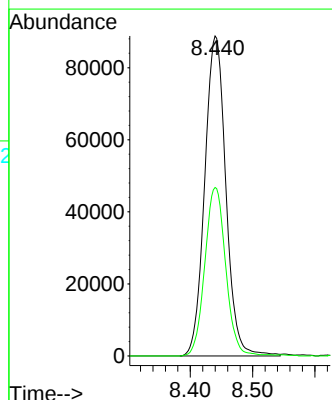
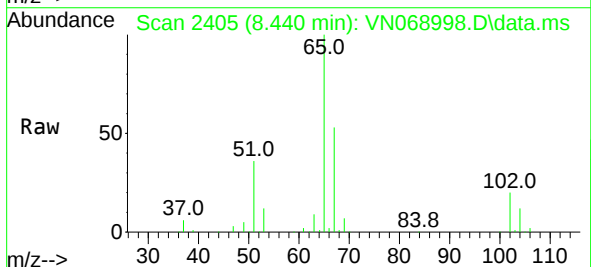
Instrument :
MSVOA_N
ClientSampled :

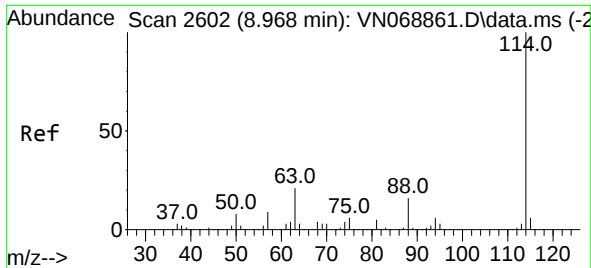
Tgt Ion: 56 Resp: 8076
Ion Ratio Lower Upper
56 100
69 145.4 26.9 40.3#
84 110.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.206 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 65 Resp: 209589
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8

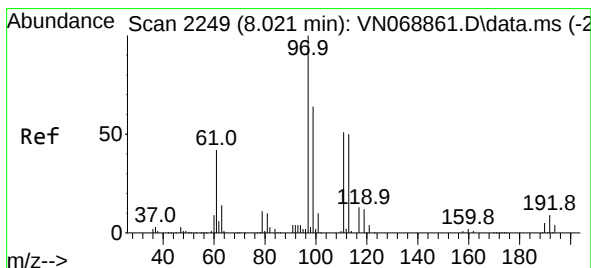
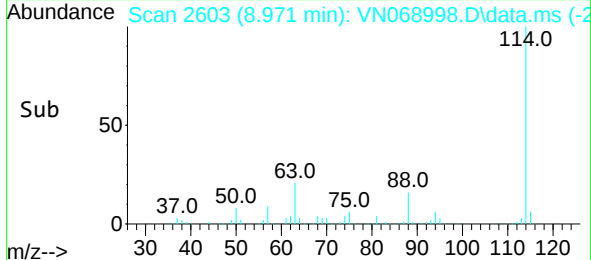
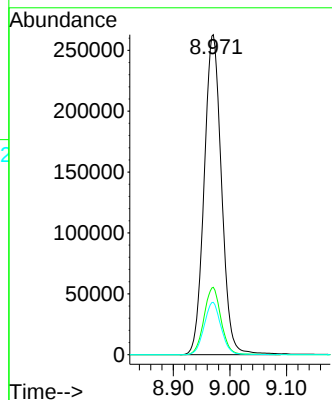
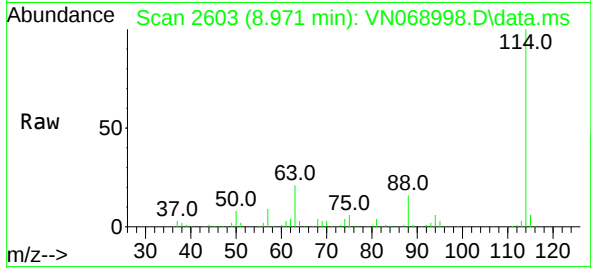




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

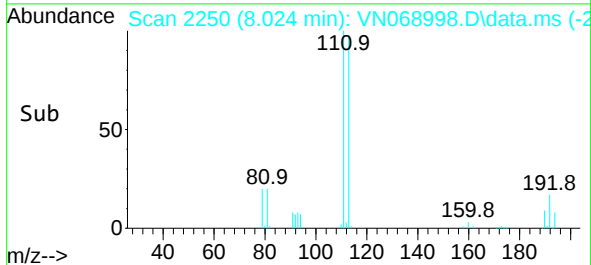
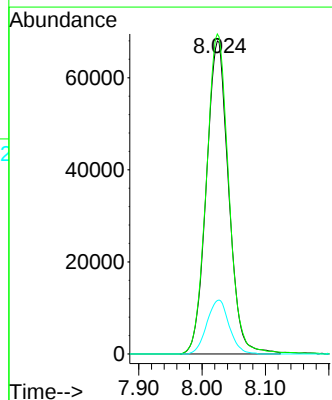
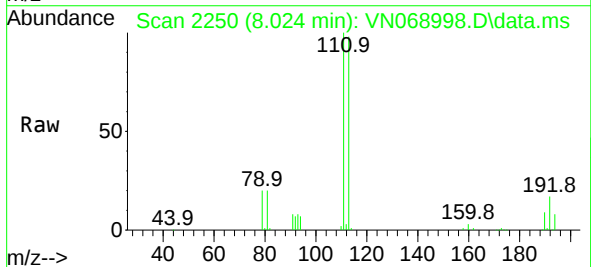
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MSVOA_N
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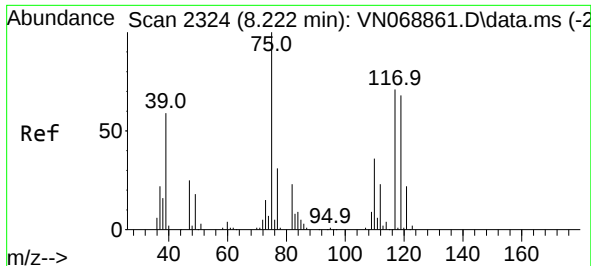
Tgt Ion:114 Resp: 559525
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 16.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.998 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion:113 Resp: 166017
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 17.2 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.534 ug/l

RT: 8.088 min Scan# 2274

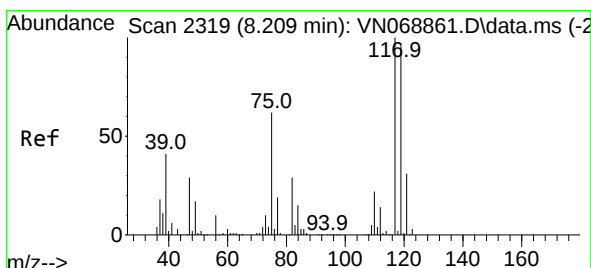
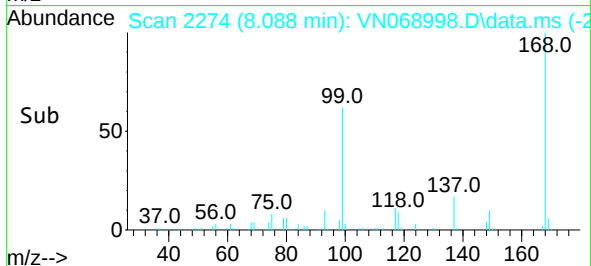
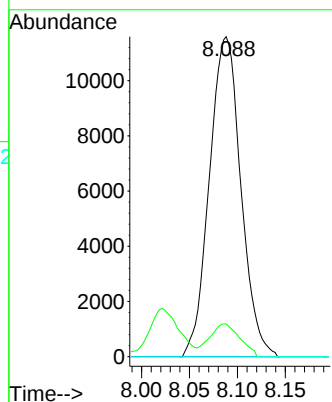
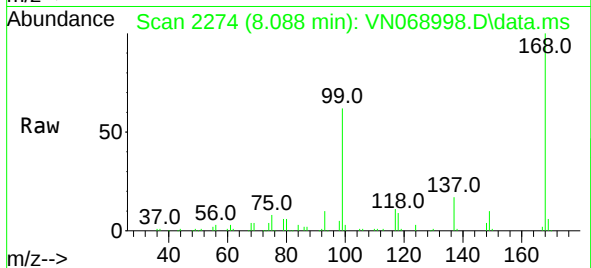
Delta R.T. -0.134 min

Lab File: VN068998.D

Acq: 18 Oct 2021 23:58

Tgt Ion:	75	Resp:	26448
Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.483 ug/l

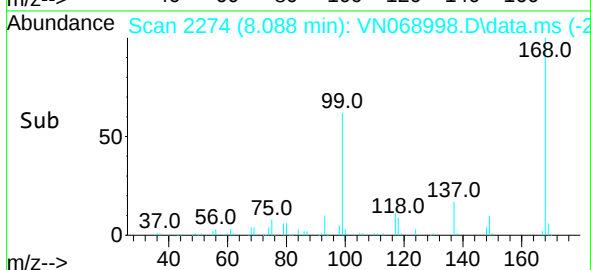
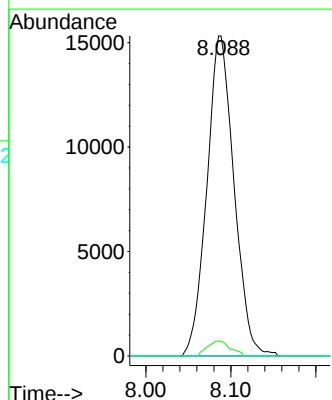
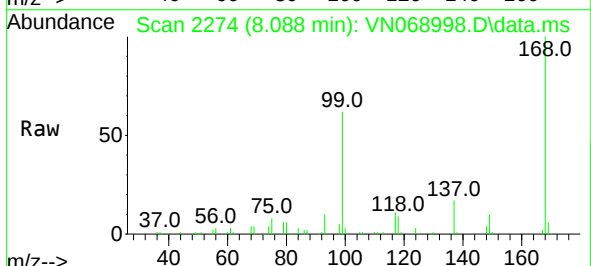
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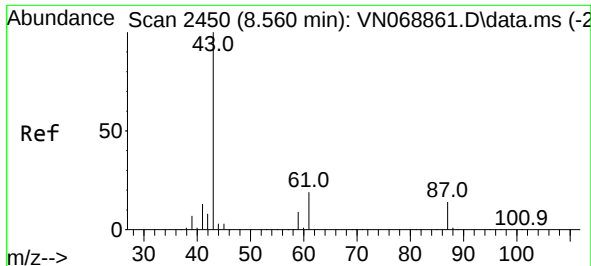
Delta R.T. -0.121 min

Lab File: VN068998.D

Acq: 18 Oct 2021 23:58

Tgt Ion:	117	Resp:	34029
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.9	115.3#
121	0.0	24.6	37.0#

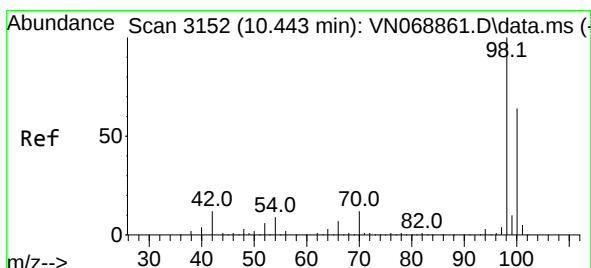
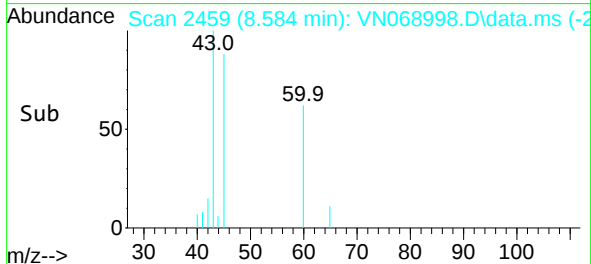
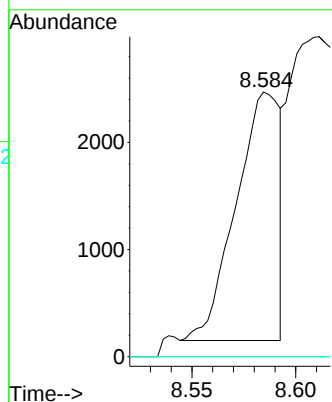
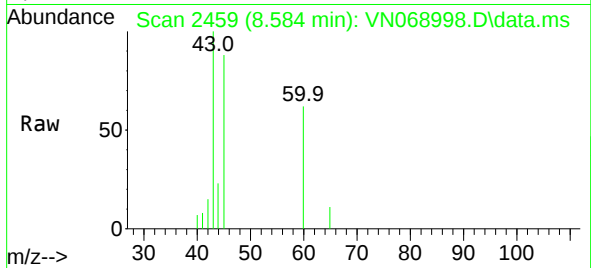




#43
Isopropyl Acetate
Concen: 0.390 ug/l
RT: 8.584 min Scan# 2459
Delta R.T. 0.024 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

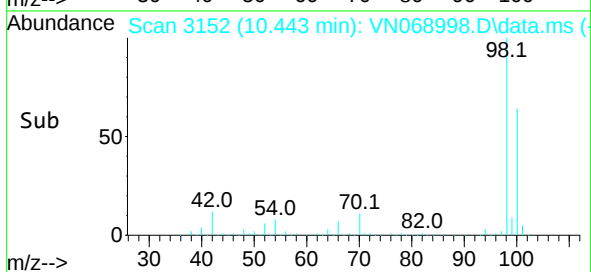
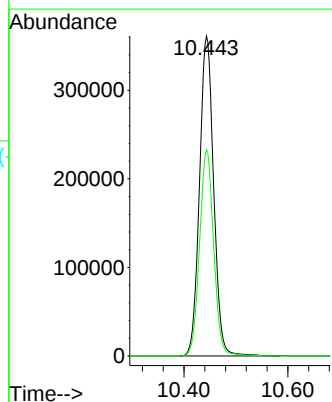
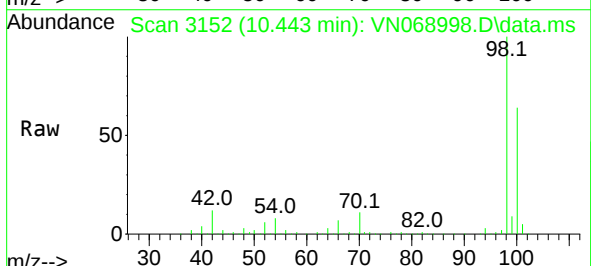
Instrument :
MSVOA_N
ClientSampled :

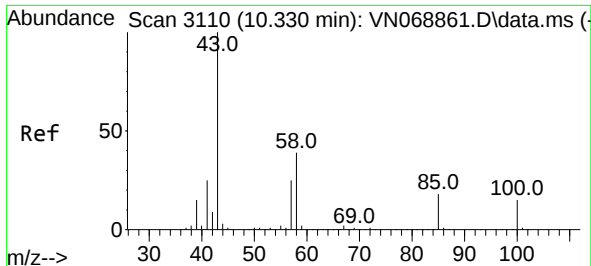
Tgt Ion: 43 Resp: 3394
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.493 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 98 Resp: 683730
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

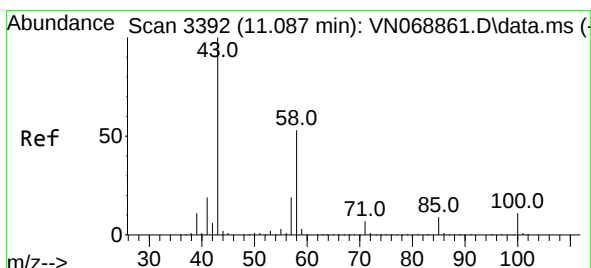
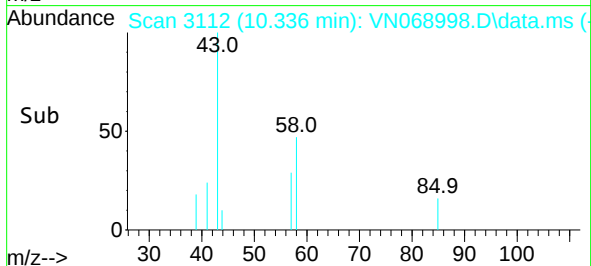
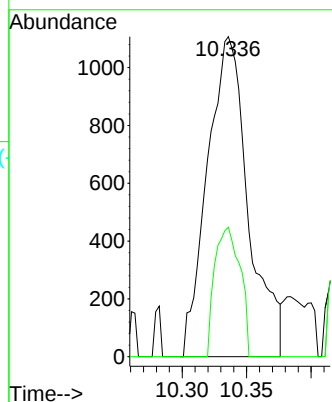
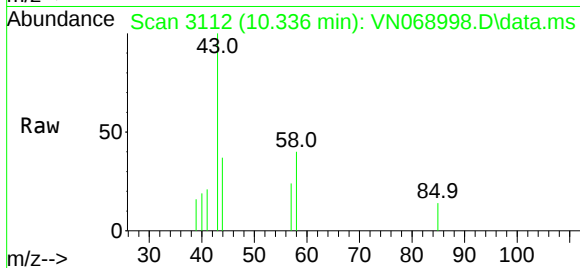




#51
4-Methyl-2-Pentanone
Concen: 0.485 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

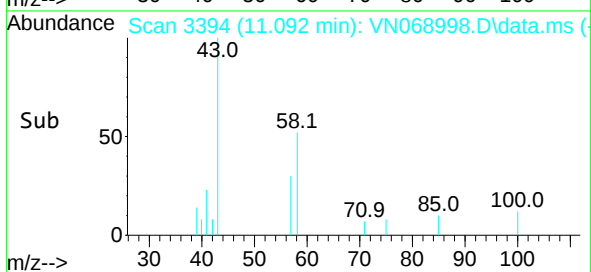
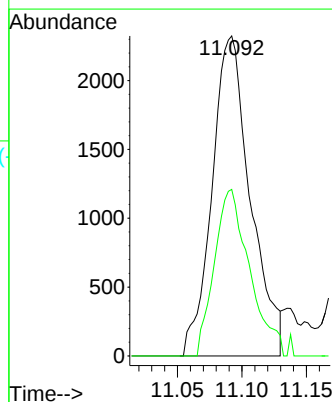
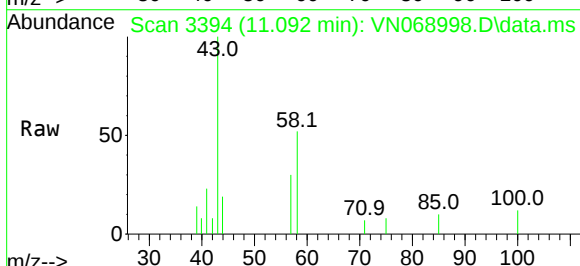
Instrument :
MSVOA_N
ClientSampled :

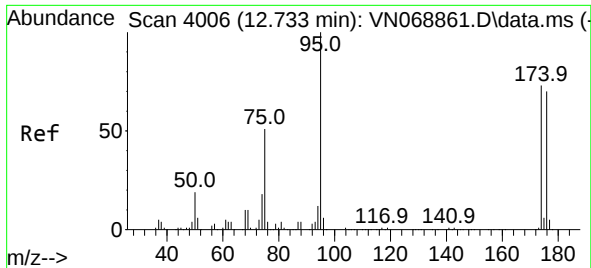
Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
58 24.9 31.0 46.4#



#59
2-Hexanone
Concen: 1.327 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
58 47.8 26.9 80.7

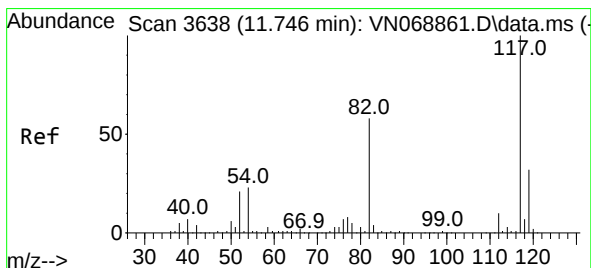
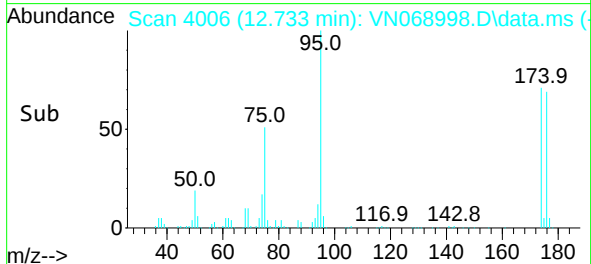
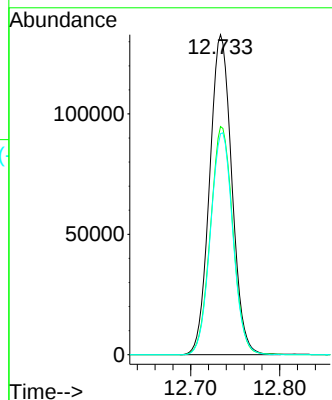
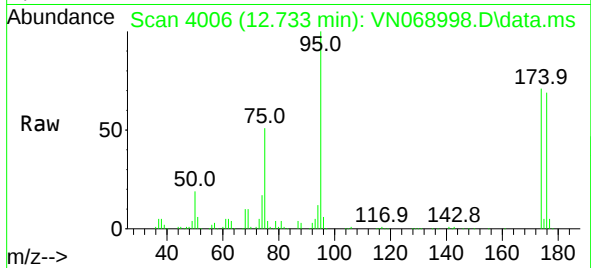




#62
4-Bromofluorobenzene
Concen: 46.836 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

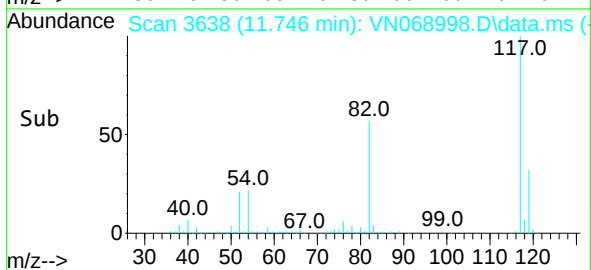
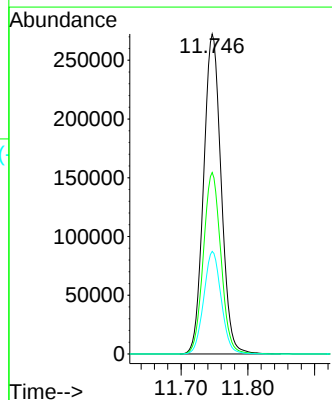
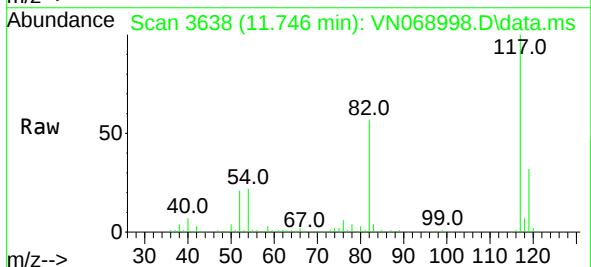
Instrument :
MSVOA_N
ClientSampleId :

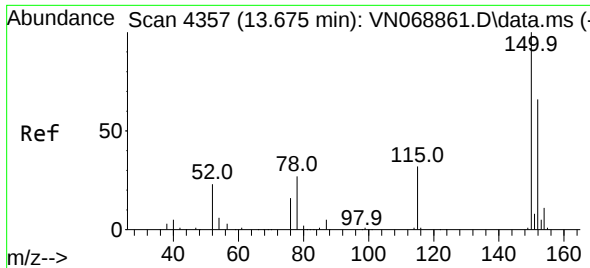
Tgt Ion: 95 Resp: 230167
Ion Ratio Lower Upper
95 100
174 72.1 0.0 144.8
176 70.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 117 Resp: 497253
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 32.0 26.0 39.0

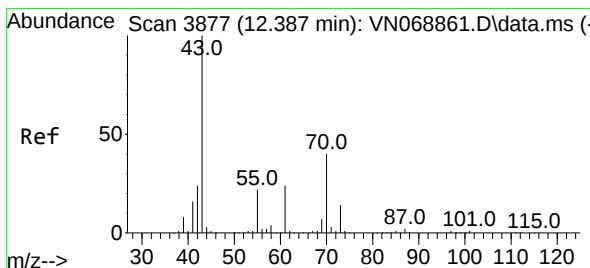
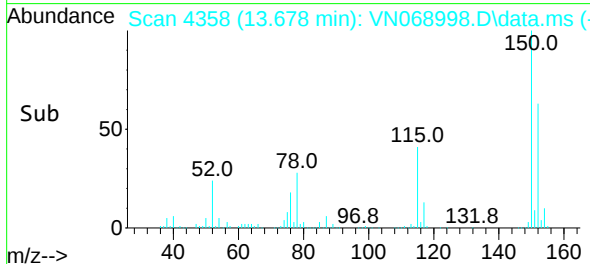
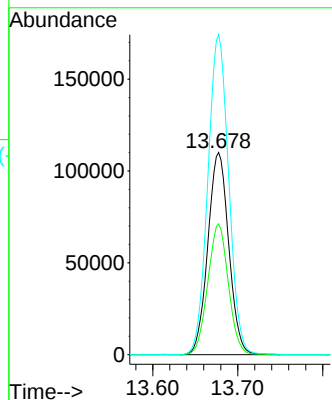
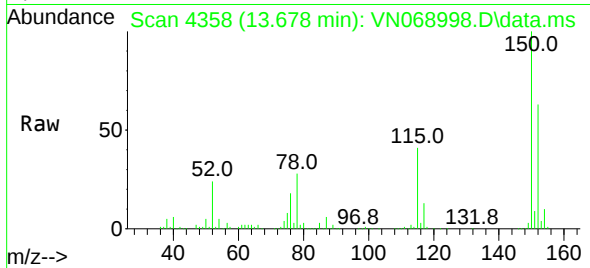




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

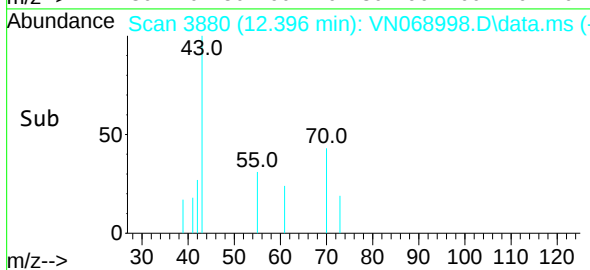
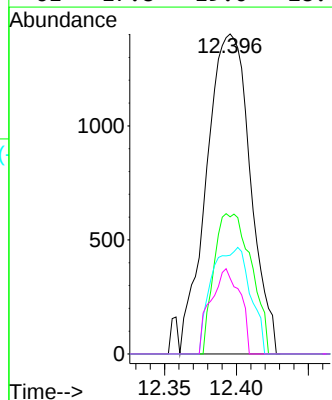
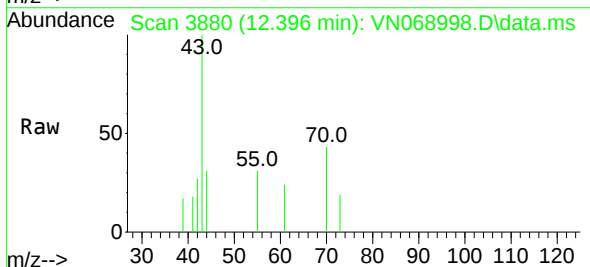
Instrument :
MSVOA_N
ClientSampled :

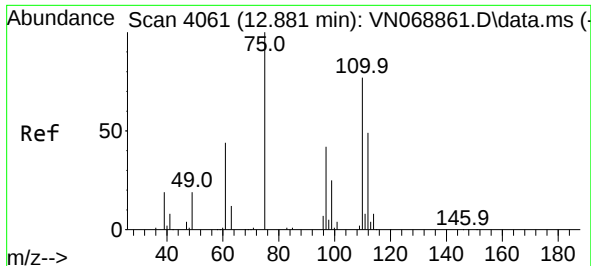
Tgt Ion:152 Resp: 188028
Ion Ratio Lower Upper
152 100
115 63.7 31.4 94.3
150 158.0 0.0 351.0



#74
N-ethyl acetate
Concen: 0.501 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 43 Resp: 2970
Ion Ratio Lower Upper
43 100
70 37.3 32.2 48.2
55 29.3 18.0 27.0#
61 17.8 19.0 28.4#

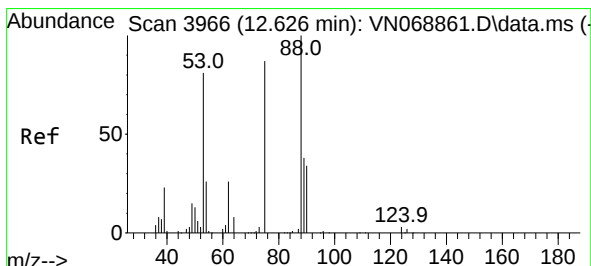
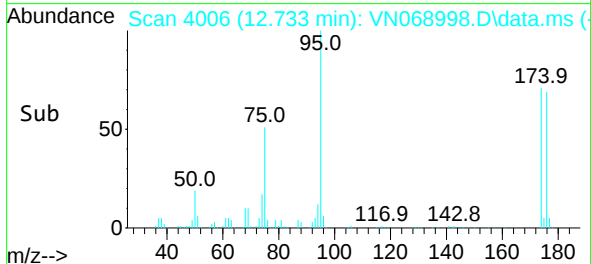
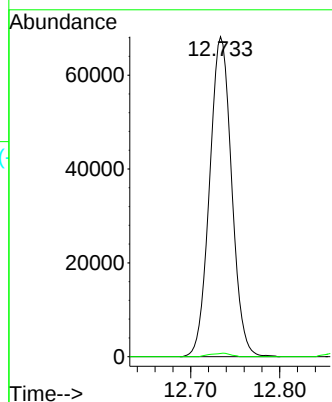
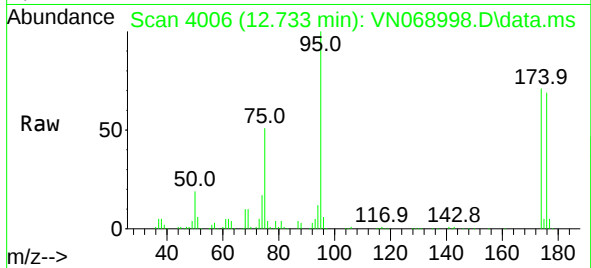




#76
1,2,3-Trichloropropane
Concen: 29.326 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

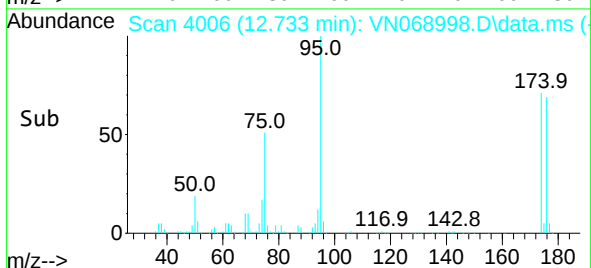
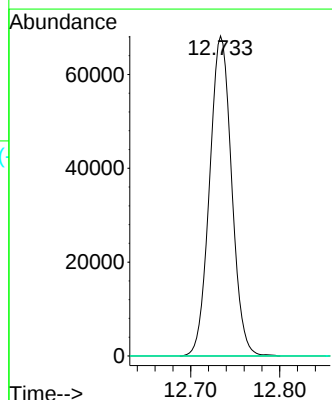
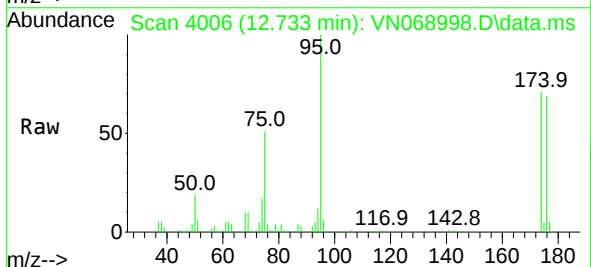
Instrument :
MSVOA_N
ClientSampled :

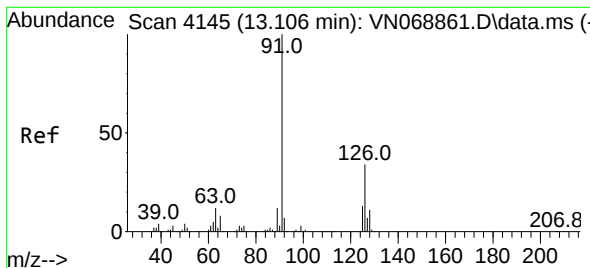
Tgt Ion: 75 Resp: 117324
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.160 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 75 Resp: 117324
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

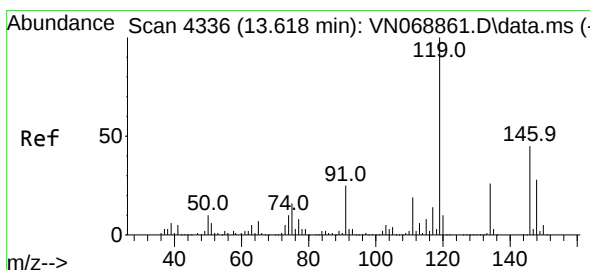
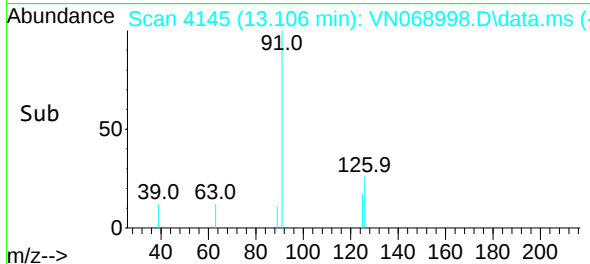
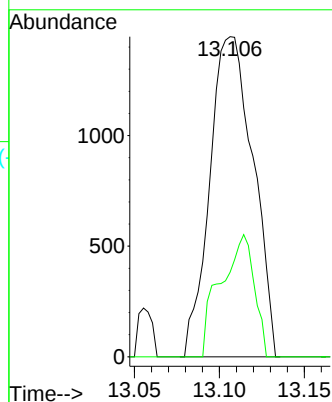
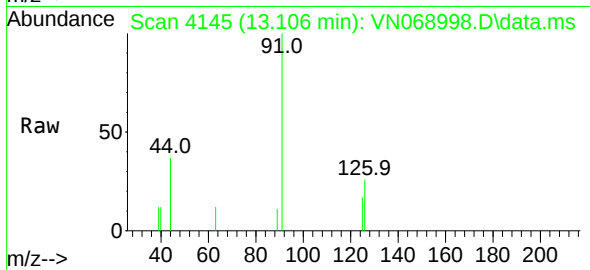




#82
4-Chlorotoluene
Concen: 0.245 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. -0.000 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

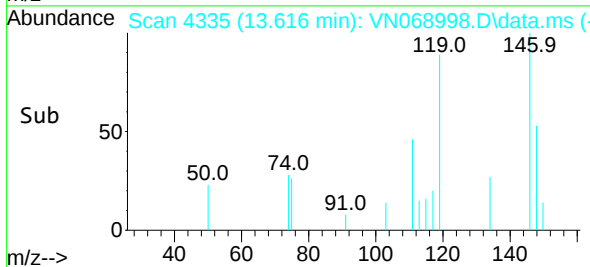
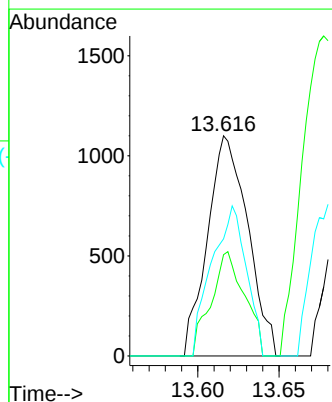
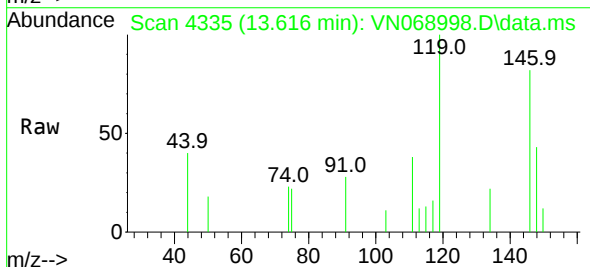
Instrument :
MSVOA_N
ClientSampled :

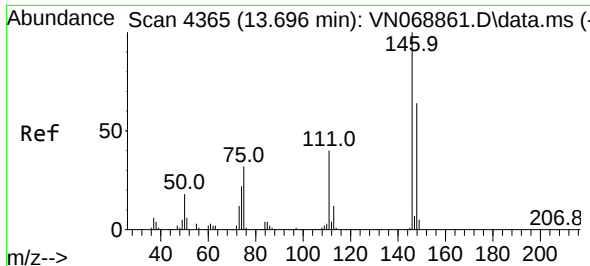
Tgt Ion: 91 Resp: 2570
Ion Ratio Lower Upper
91 100
126 29.5 16.3 48.8



#87
1,3-Dichlorobenzene
Concen: 0.316 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 146 Resp: 1894
Ion Ratio Lower Upper
146 100
111 39.6 21.4 64.2
148 58.7 32.0 96.2

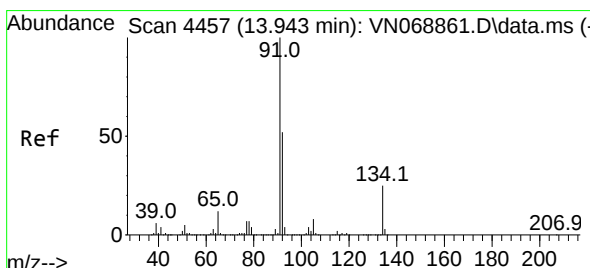
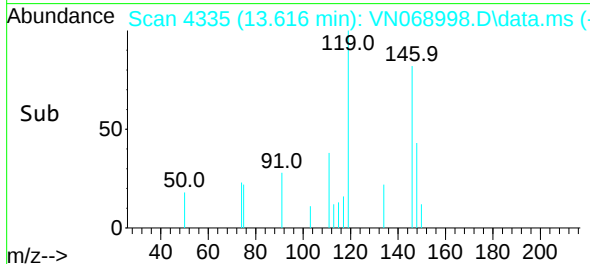
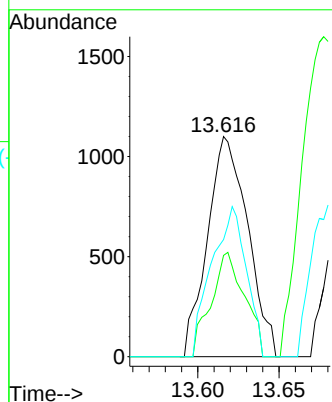
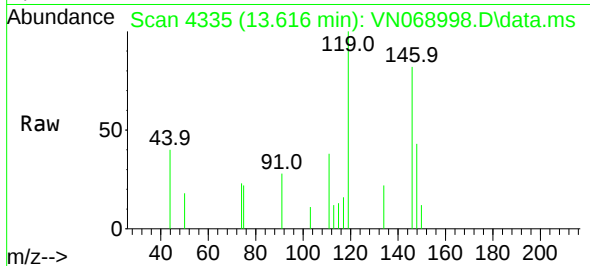




#88
1,4-Dichlorobenzene
Concen: 0.319 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.080 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

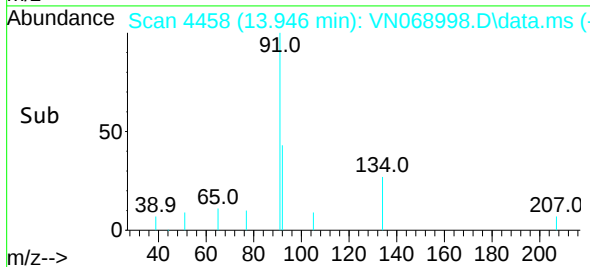
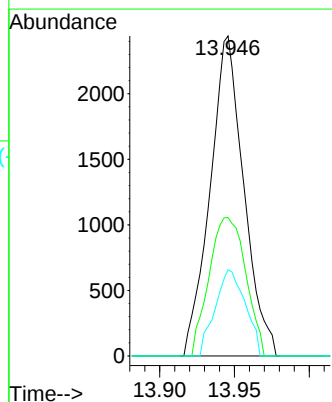
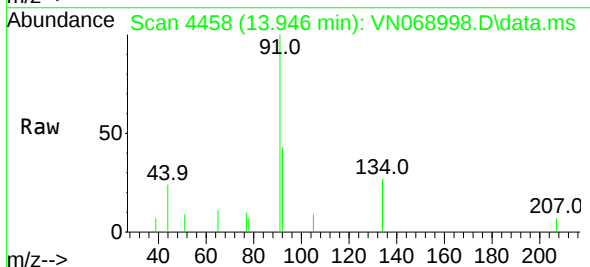
Instrument :
MSVOA_N
ClientSampled :

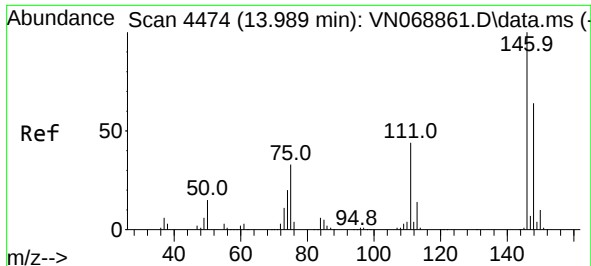
Tgt Ion:146 Resp: 1894
Ion Ratio Lower Upper
146 100
111 39.6 20.6 61.8
148 58.7 32.1 96.5



#89
n-Butylbenzene
Concen: 0.365 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 91 Resp: 3826
Ion Ratio Lower Upper
91 100
92 47.1 26.0 78.0
134 24.1 12.5 37.5

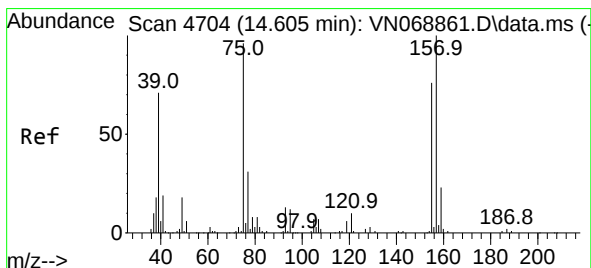
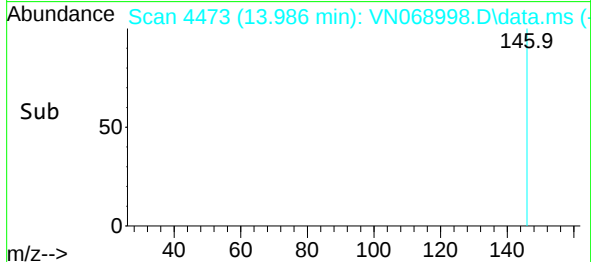
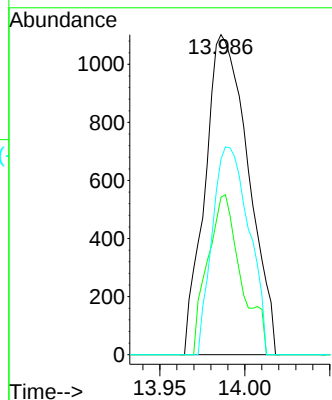
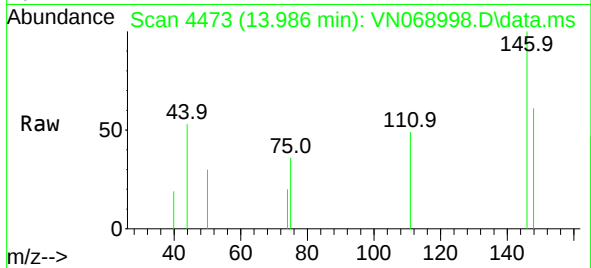




#91
1,2-Dichlorobenzene
Concen: 0.336 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. -0.003 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

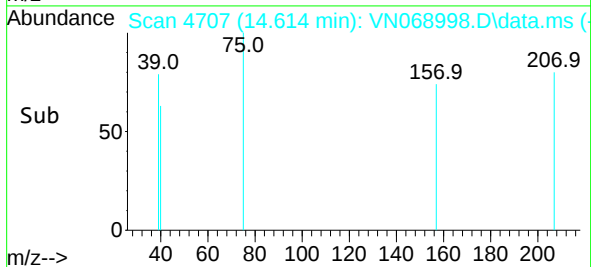
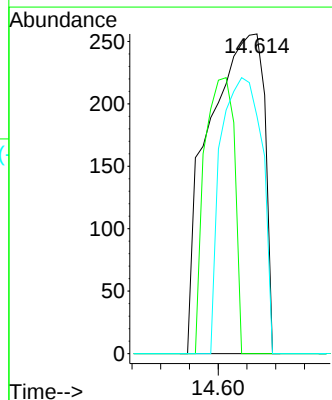
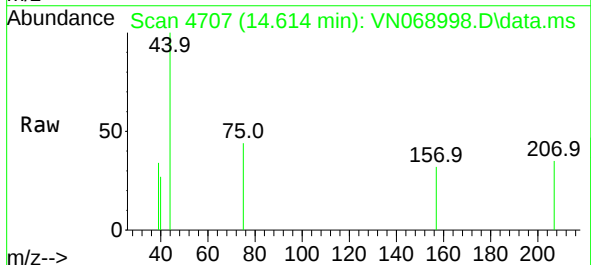
Instrument :
MSVOA_N
ClientSampled :

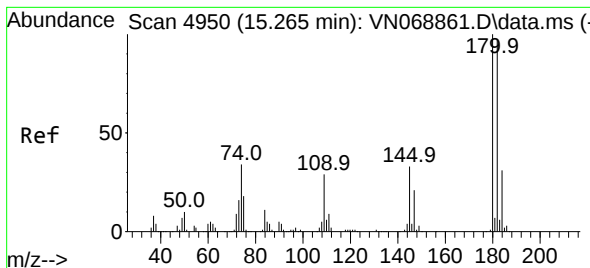
Tgt Ion:146 Resp: 1952
Ion Ratio Lower Upper
146 100
111 38.7 22.0 66.0
148 54.9 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.393 ug/l
RT: 14.614 min Scan# 4707
Delta R.T. 0.008 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Tgt Ion: 75 Resp: 343
Ion Ratio Lower Upper
75 100
155 46.1 38.8 116.4
157 63.6 50.2 150.6

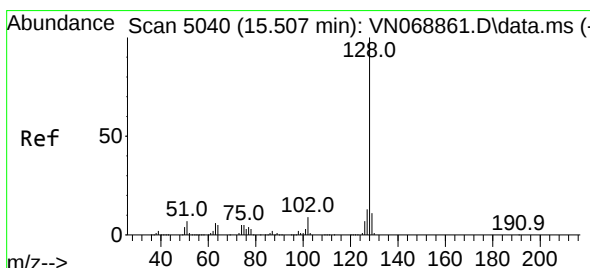
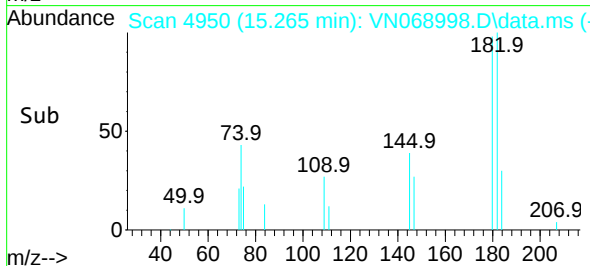
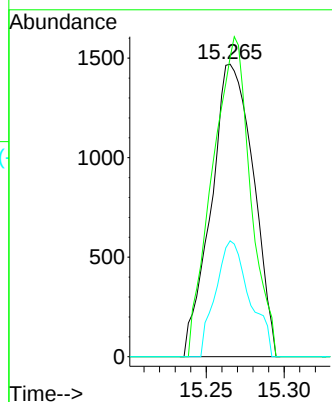
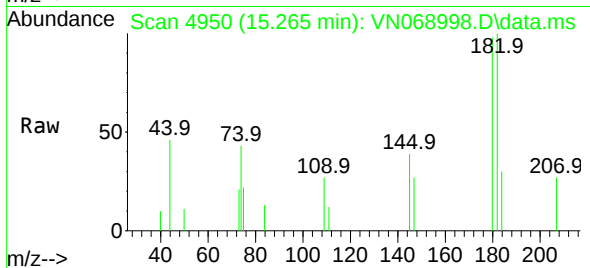




#93
1,2,4-Trichlorobenzene
Concen: 3.434 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

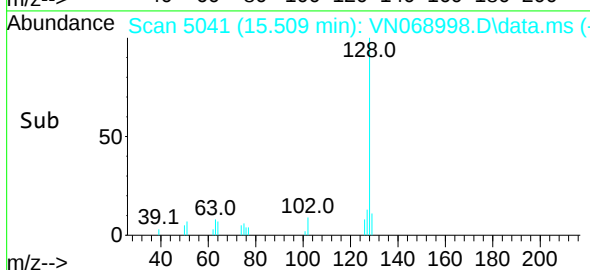
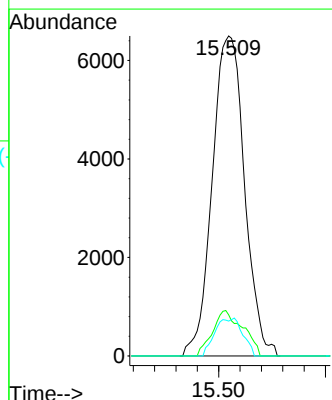
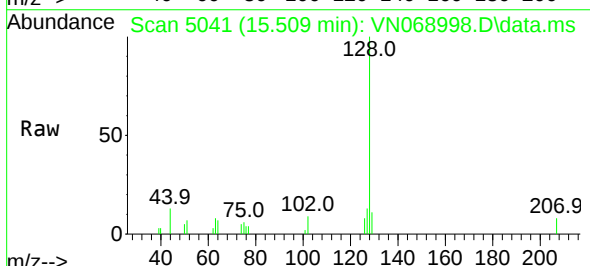
Instrument :
MSVOA_N
ClientSampled :

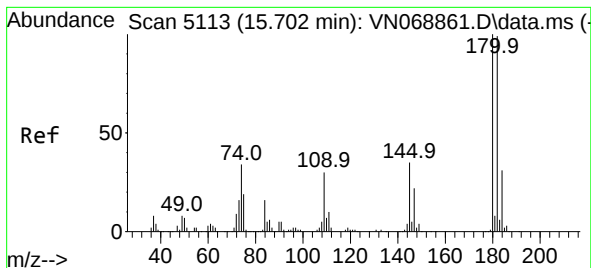
Tgt Ion:180 Resp: 2773
Ion Ratio Lower Upper
180 100
182 98.6 47.9 143.7
145 31.9 16.4 49.2



#95
Naphthalene
Concen: 5.256 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

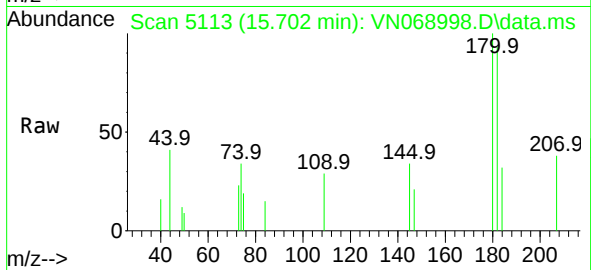
Tgt Ion:128 Resp: 13642
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.1 8.9 13.3





#96
1,2,3-Trichlorobenzene
Concen: 3.569 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN068998.D
Acq: 18 Oct 2021 23:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 3339
Ion Ratio Lower Upper
180 100
182 99.0 48.1 144.3
145 25.6 17.4 52.2

