

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069025.D
 Acq On : 19 Oct 2021 14:53
 Operator : JC/MD
 Sample : M4251-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:48:31 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

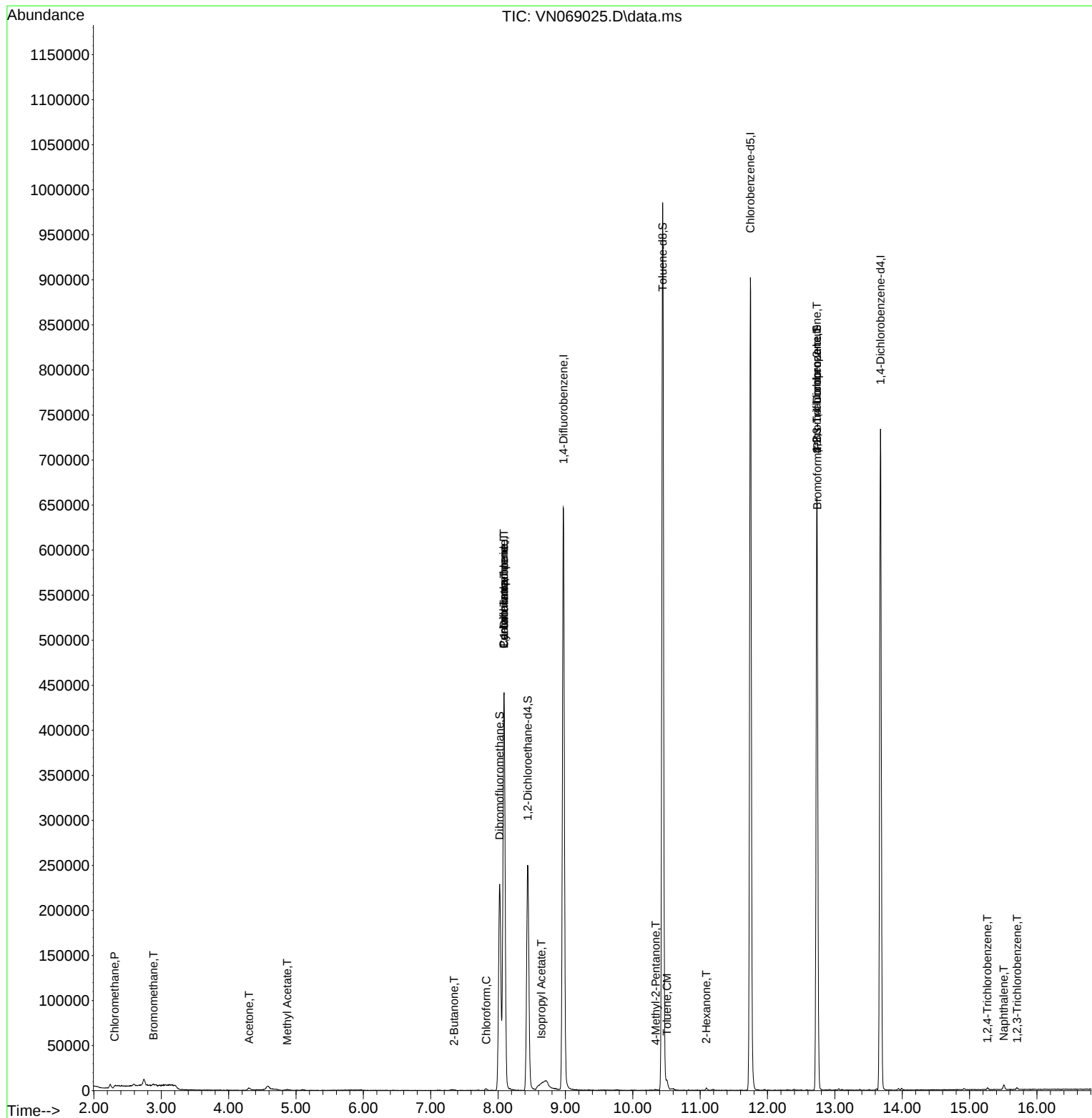
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	334773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	584110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	530952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	194526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	215232	48.763	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.520%
35) Dibromofluoromethane	8.024	113	171555	50.481	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.960%
50) Toluene-d8	10.443	98	719469	52.912	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.820%
62) 4-Bromofluorobenzene	12.733	95	245249	47.805	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	951	0.232	ug/l	93
5) Bromomethane	2.885	94	929	0.406	ug/l #	79
16) Acetone	4.304	43	4471	2.714	ug/l	99
18) Methyl Acetate	4.870	43	1635	0.262	ug/l #	65
25) 2-Butanone	7.348	43	704	0.283	ug/l #	48
30) Chloroform	7.825	83	2013	0.292	ug/l	89
31) Cyclohexane	8.088	56	8005	1.166	ug/l #	6
36) 1,1-Dichloropropene	8.088	75	27223	5.456	ug/l #	49
38) Carbon Tetrachloride	8.088	117	35679	6.511	ug/l #	15
43) Isopropyl Acetate	8.643	43	9392	1.033	ug/l #	55
51) 4-Methyl-2-Pentanone	10.341	43	1513	0.287	ug/l #	36
52) Toluene	10.507	92	2915	0.298	ug/l	88
59) 2-Hexanone	11.092	43	2098	0.555	ug/l	73
71) Bromoform	12.739	173	2014	0.639	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	126577	30.582	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	126577	73.165	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	1005	2.893	ug/l #	83
95) Naphthalene	15.507	128	5751	4.400	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	1188	2.877	ug/l	76

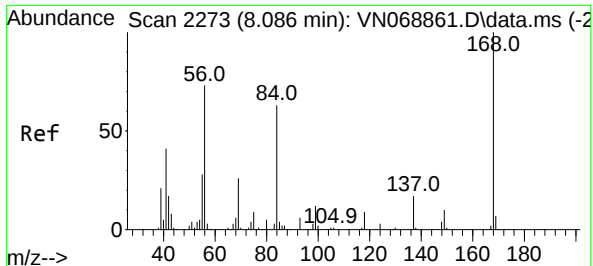
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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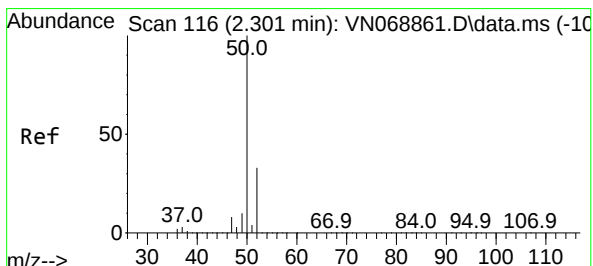
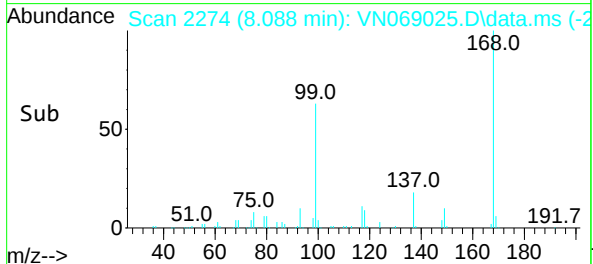
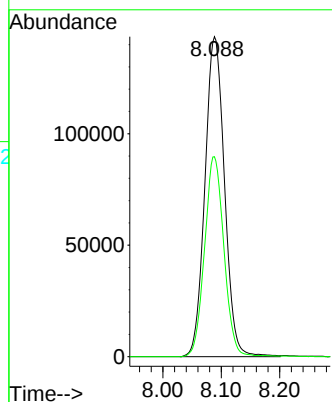
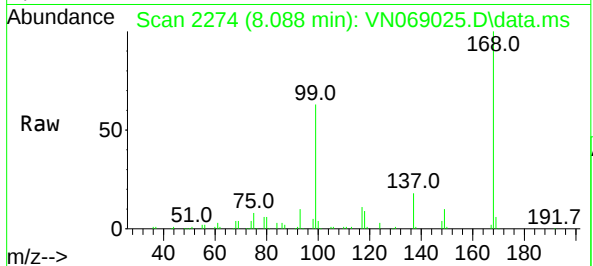




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

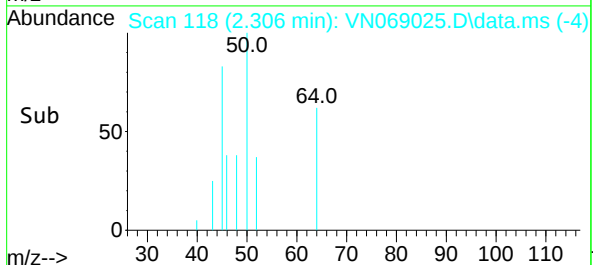
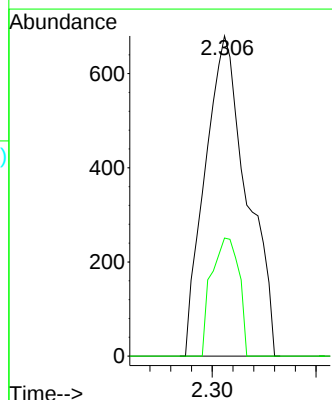
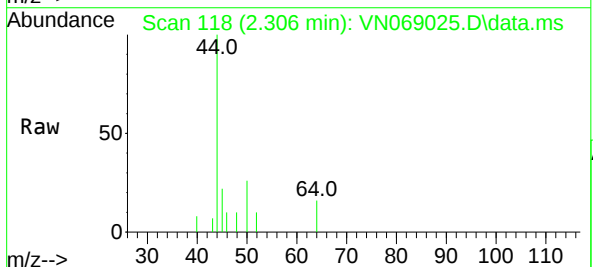
Instrument :
MSVOA_N
ClientSampled :

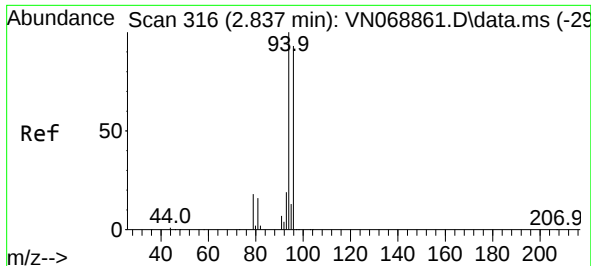
Tgt Ion:168 Resp: 334773
Ion Ratio Lower Upper
168 100
99 62.5 48.9 73.3



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 50 Resp: 951
Ion Ratio Lower Upper
50 100
52 36.9 26.3 39.5

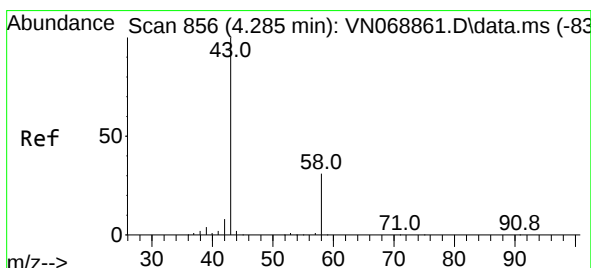
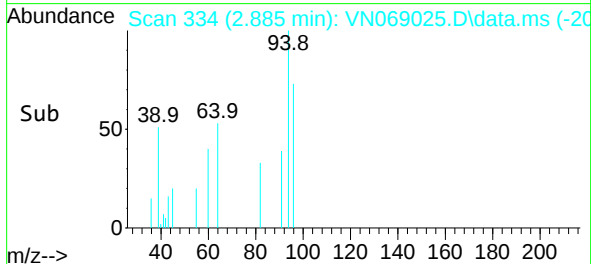
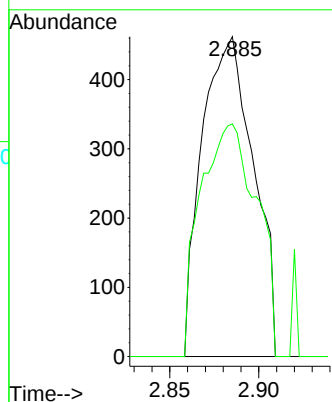
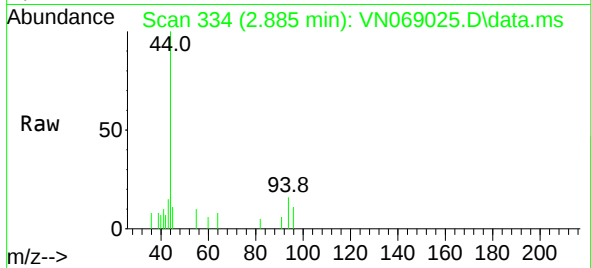




#5
Bromomethane
Concen: 0.406 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.048 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

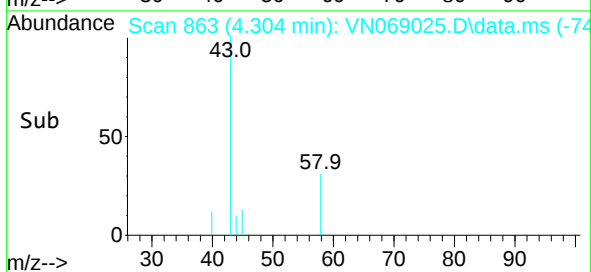
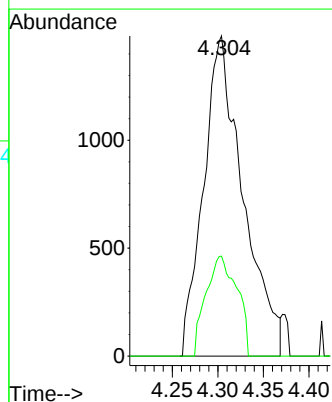
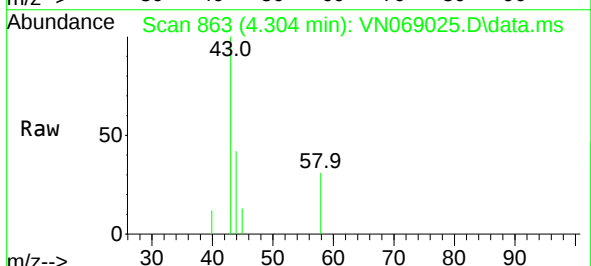
Instrument :
MSVOA_N
ClientSampled :

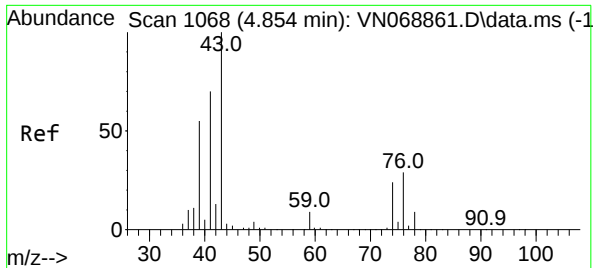
Tgt Ion: 94 Resp: 929
Ion Ratio Lower Upper
94 100
96 72.7 74.2 111.4#



#16
Acetone
Concen: 2.714 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 43 Resp: 4471
Ion Ratio Lower Upper
43 100
58 31.2 24.5 36.7

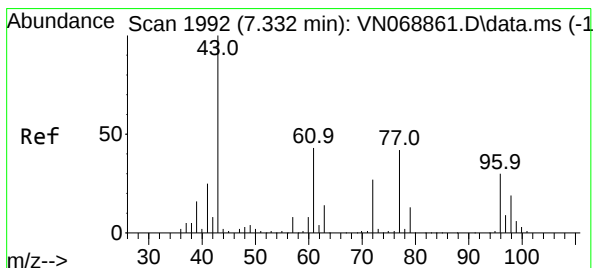
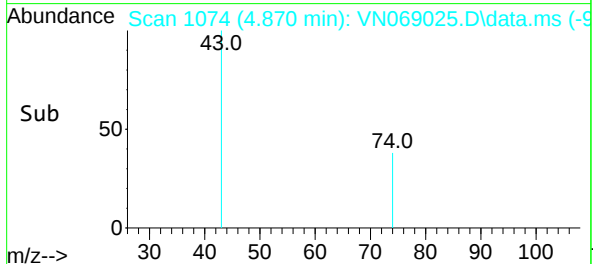
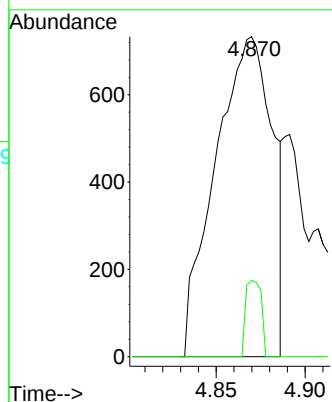
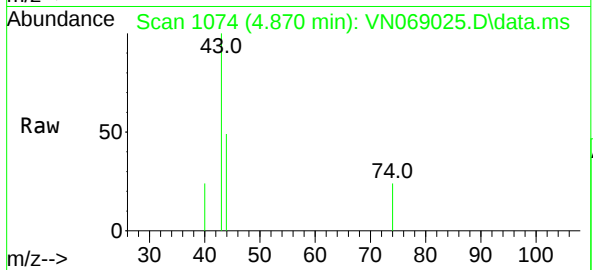




#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

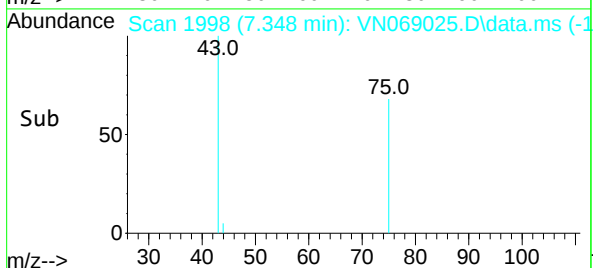
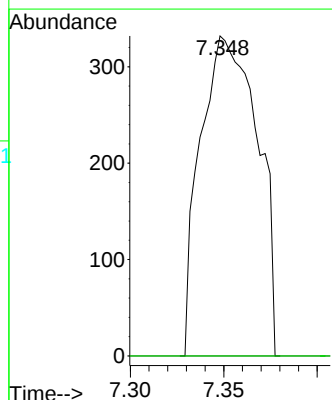
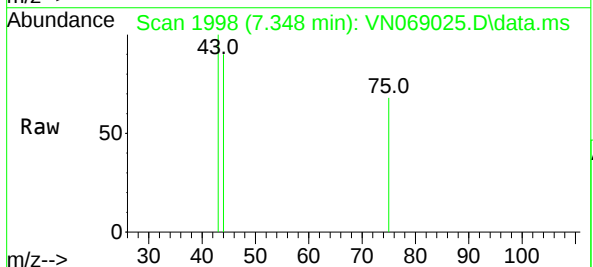
Instrument :
MSVOA_N
ClientSampled :

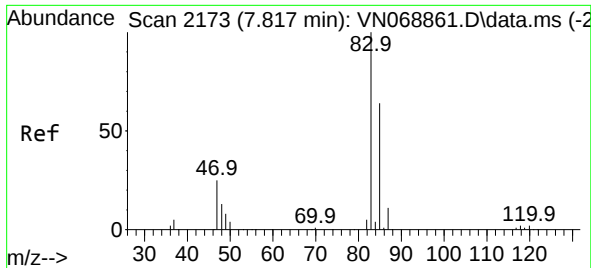
Tgt Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
74 6.5 18.9 28.3#



#25
2-Butanone
Concen: 0.283 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

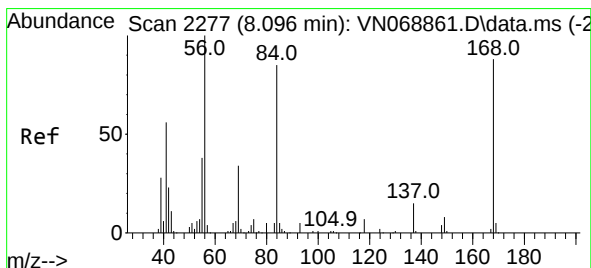
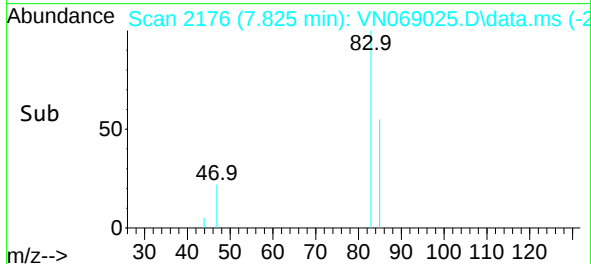
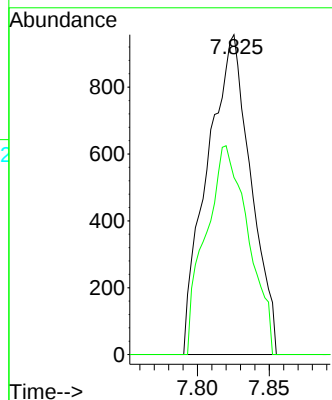
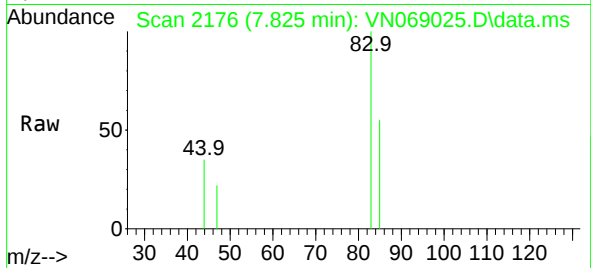




#30
Chloroform
Concen: 0.292 ug/l
RT: 7.825 min Scan# 2176
Delta R.T. 0.008 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

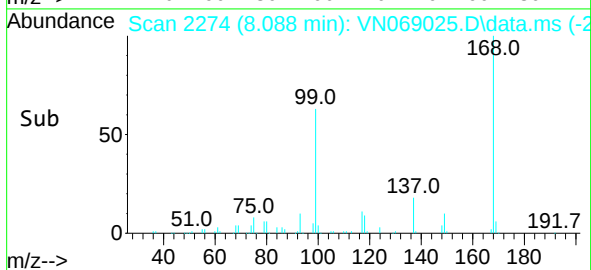
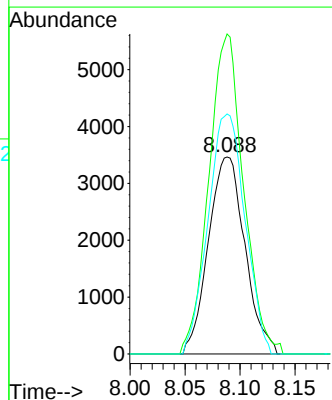
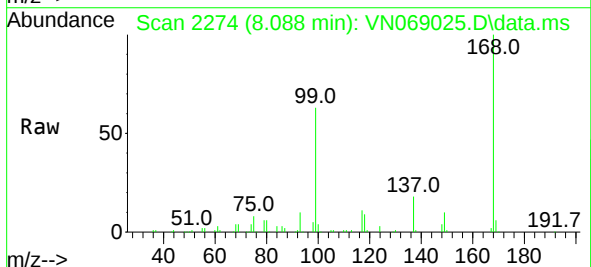
Instrument :
MSVOA_N
ClientSampled :

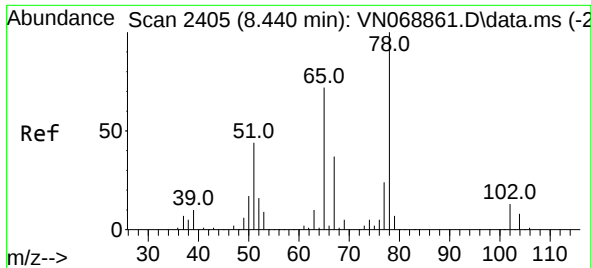
Tgt Ion: 83 Resp: 2013
Ion Ratio Lower Upper
83 100
85 55.4 51.1 76.7



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 56 Resp: 8005
Ion Ratio Lower Upper
56 100
69 162.5 26.9 40.3#
84 121.8 67.6 101.4#

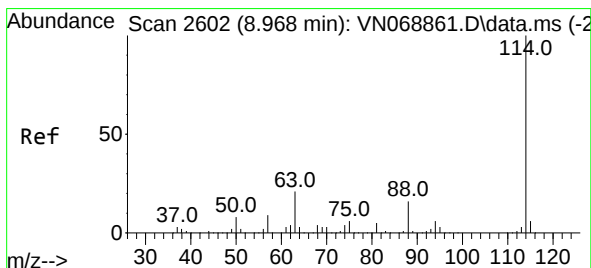
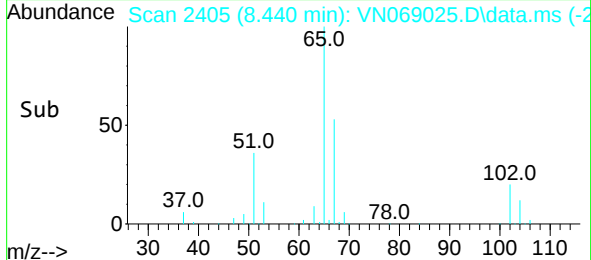
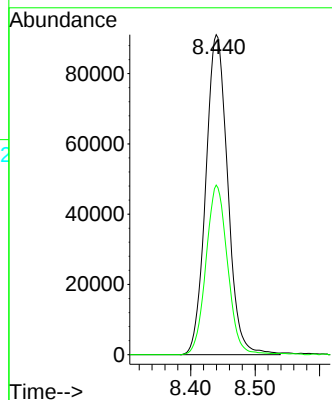
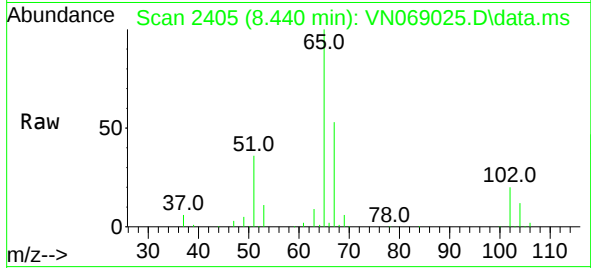




#33
 1,2-Dichloroethane-d4
 Concen: 48.763 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069025.D
 Acq: 19 Oct 2021 14:53

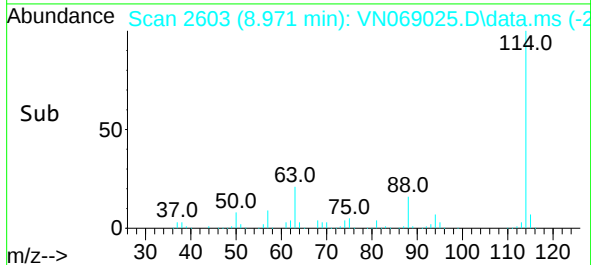
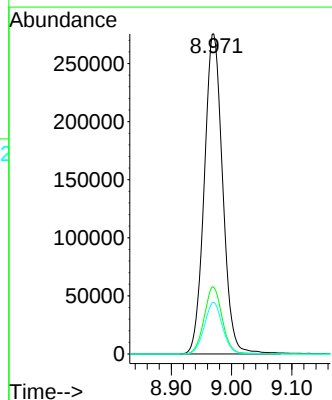
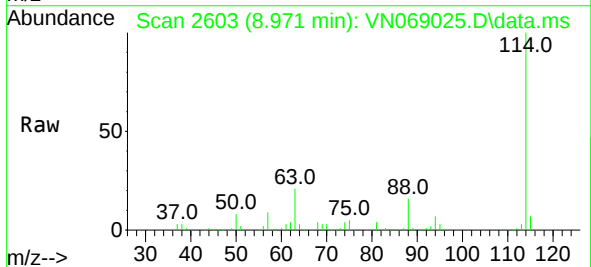
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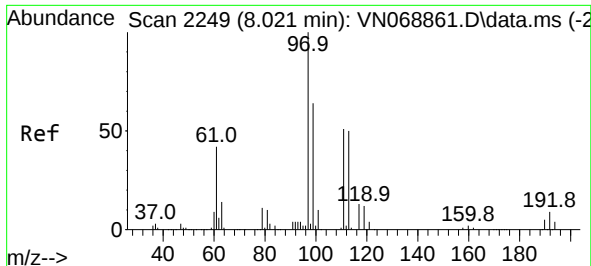
Tgt Ion: 65 Resp: 215232
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069025.D
 Acq: 19 Oct 2021 14:53

Tgt Ion: 114 Resp: 584110
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 16.2 0.0 32.0

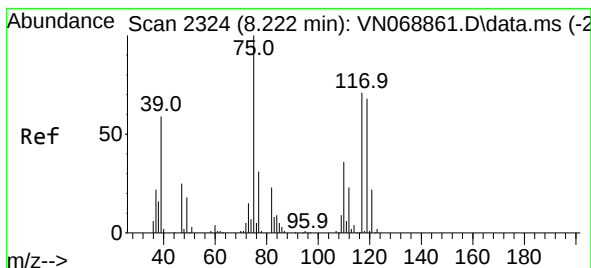
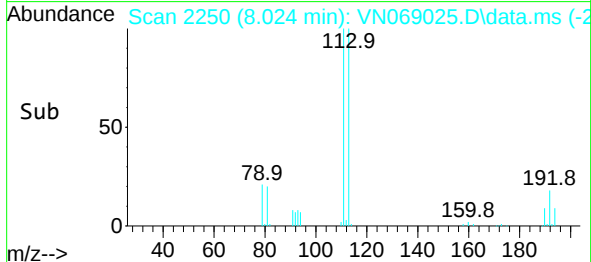
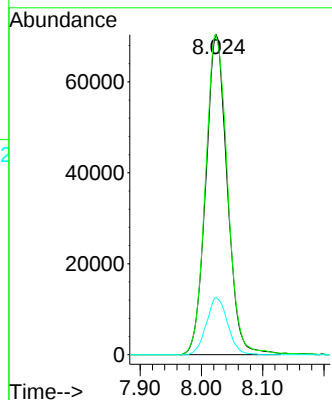
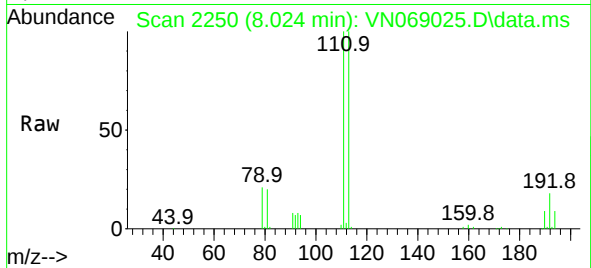




#35
Dibromofluoromethane
Concen: 50.481 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

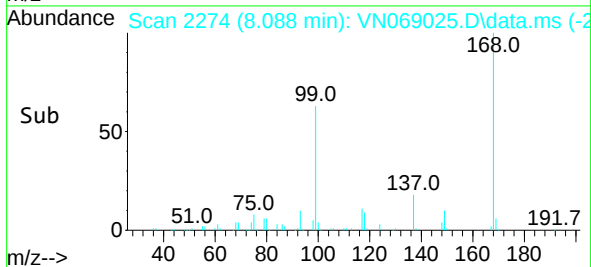
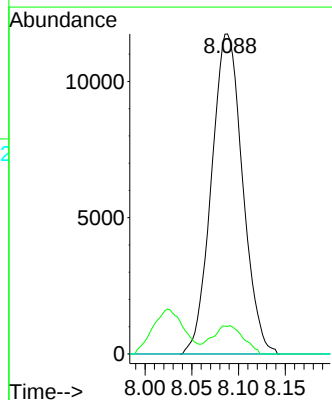
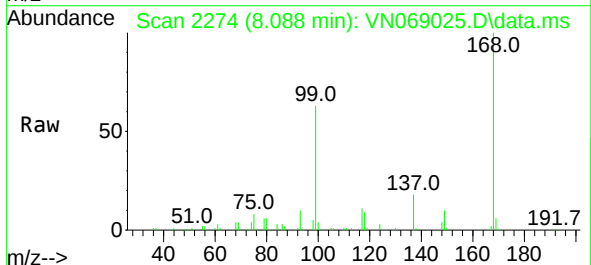
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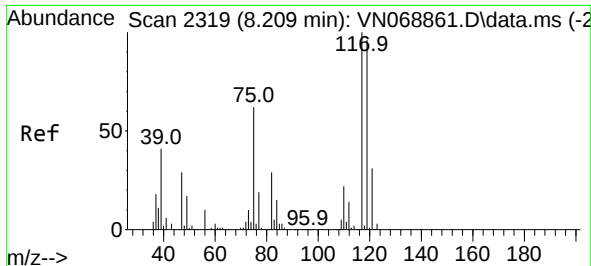
Tgt Ion:113 Resp: 171555
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 17.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.456 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 75 Resp: 27223
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.7 37.1#

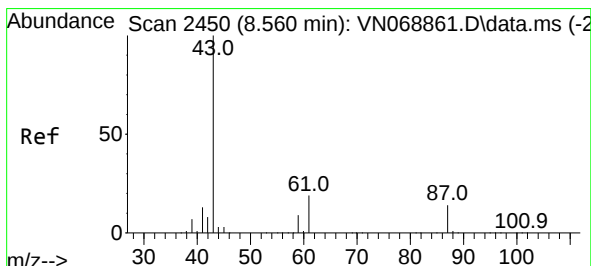
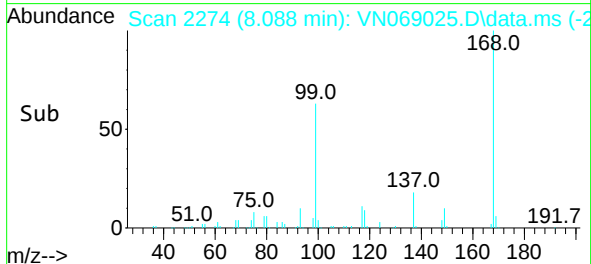
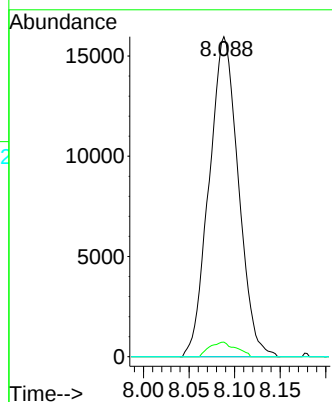
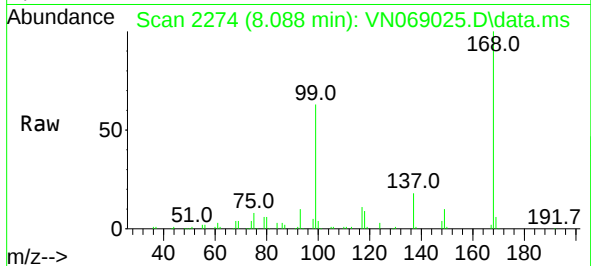




#38
Carbon Tetrachloride
Concen: 6.511 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

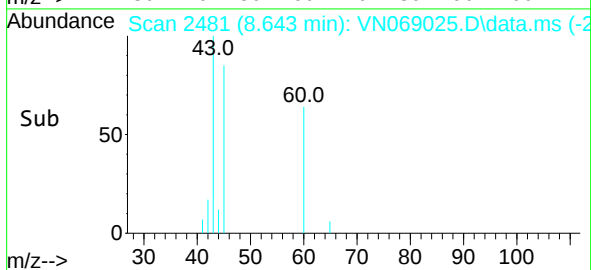
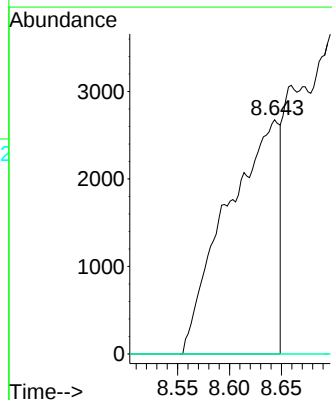
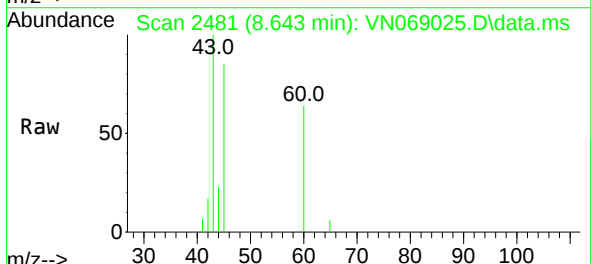
Instrument :
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ClientSampleId :

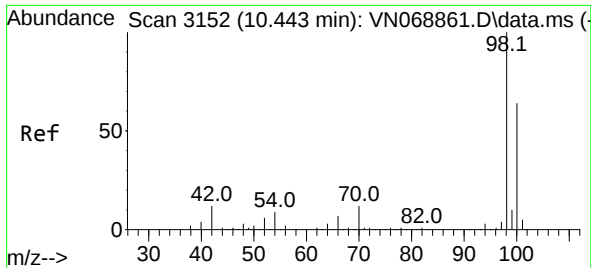
Tgt Ion:117 Resp: 35679
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.033 ug/l
RT: 8.643 min Scan# 2481
Delta R.T. 0.083 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 43 Resp: 9392
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

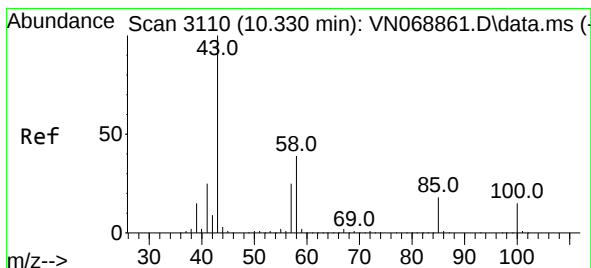
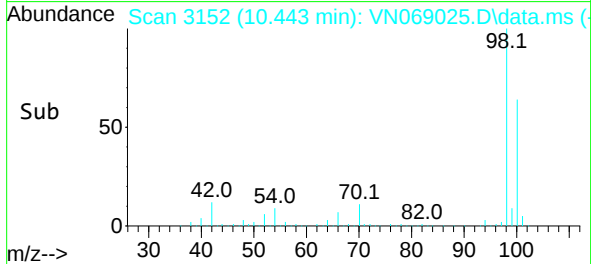
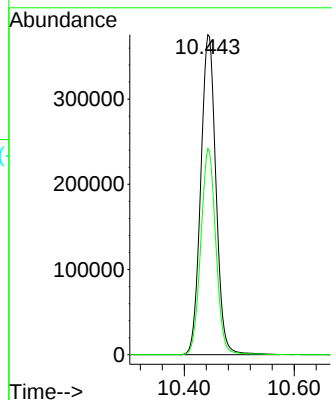
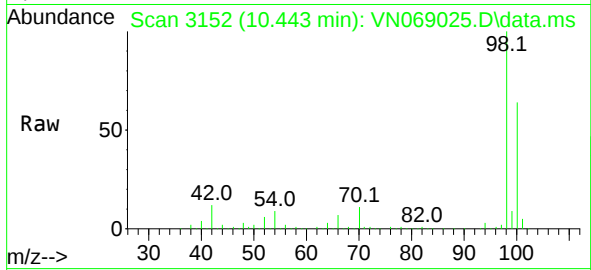




#50
Toluene-d8
Concen: 52.912 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

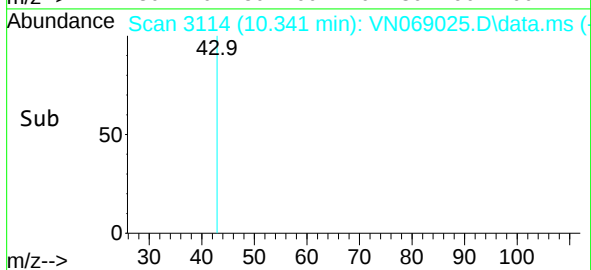
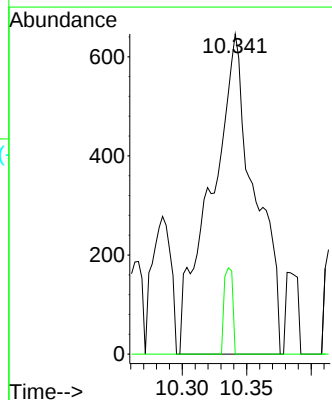
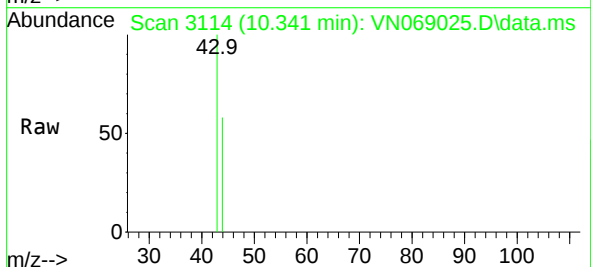
Instrument :
MSVOA_N
ClientSampled :

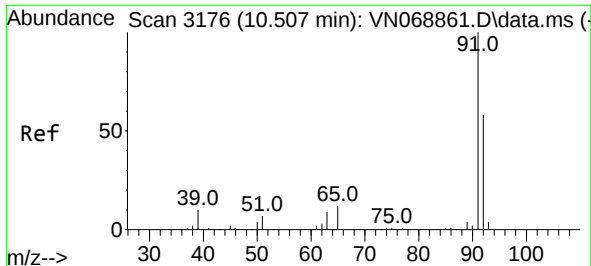
Tgt Ion: 98 Resp: 719469
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.287 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.011 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

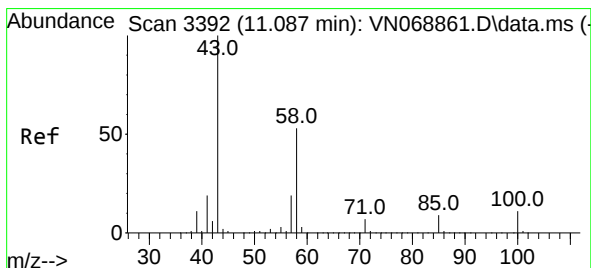
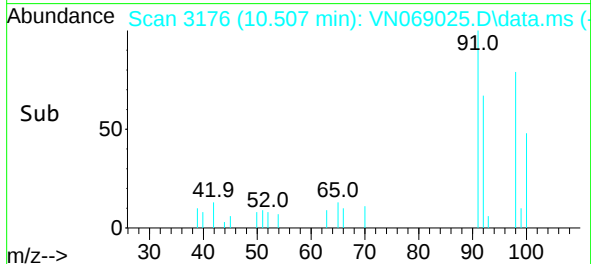
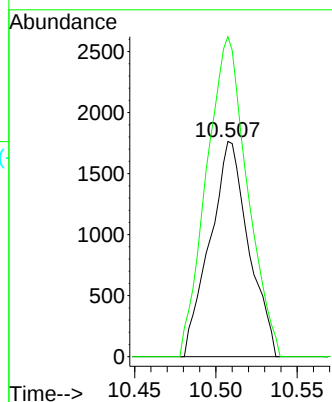
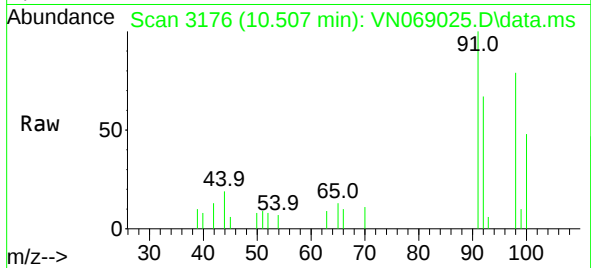




#52
Toluene
Concen: 0.298 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

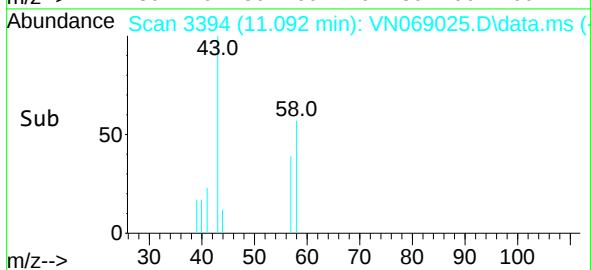
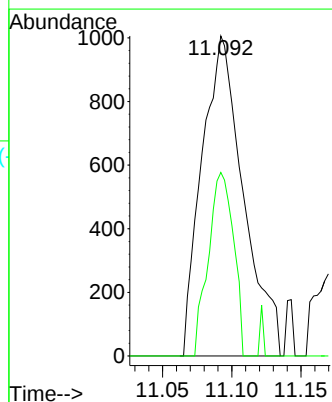
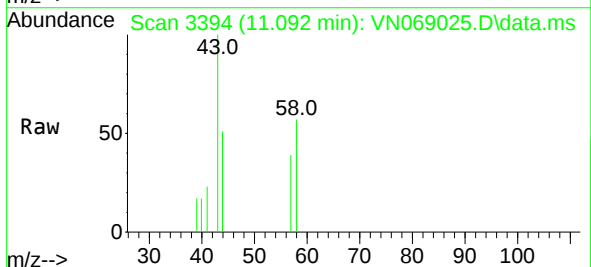
Instrument :
MSVOA_N
ClientSampled :

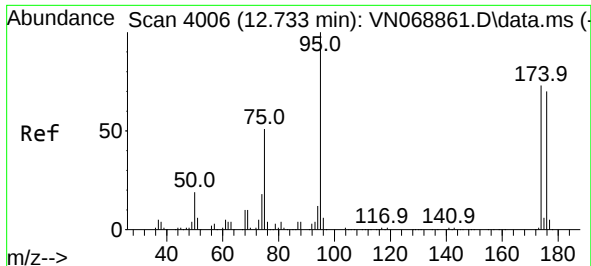
Tgt Ion: 92 Resp: 2915
Ion Ratio Lower Upper
92 100
91 156.9 138.5 207.7



#59
2-Hexanone
Concen: 0.555 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
58 34.7 26.9 80.7

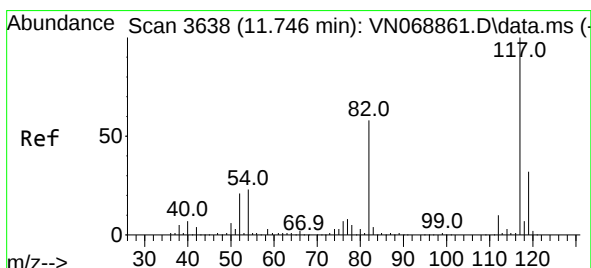
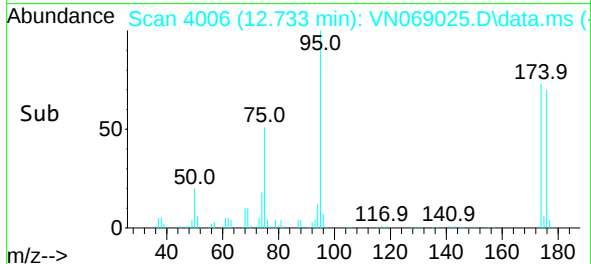
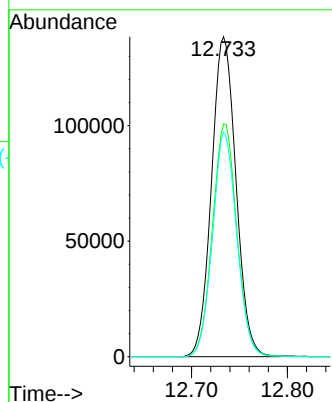
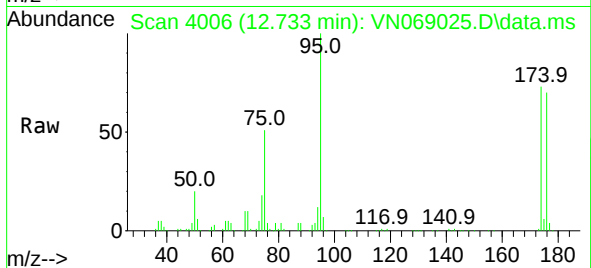




#62
4-Bromofluorobenzene
Concen: 47.805 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

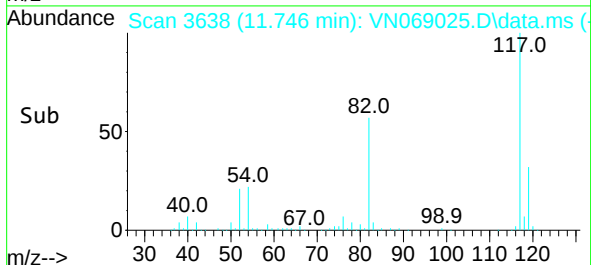
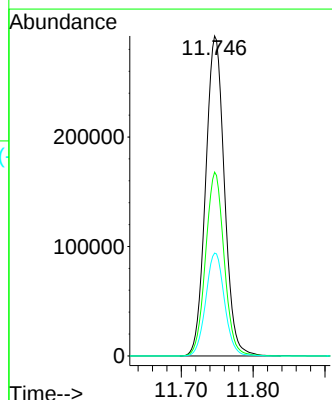
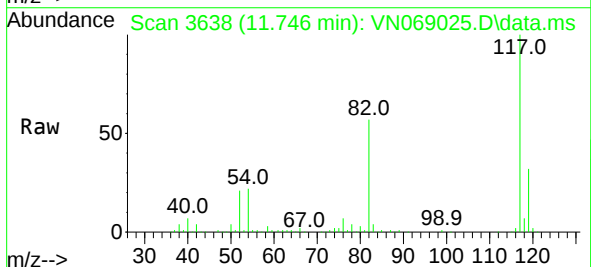
Instrument :
MSVOA_N
ClientSampleId :

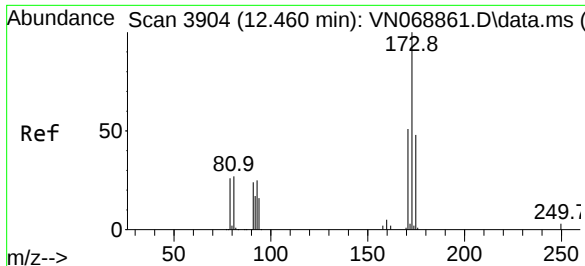
Tgt Ion: 95 Resp: 245249
Ion Ratio Lower Upper
95 100
174 72.7 0.0 144.8
176 69.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion: 117 Resp: 530952
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 32.2 26.0 39.0

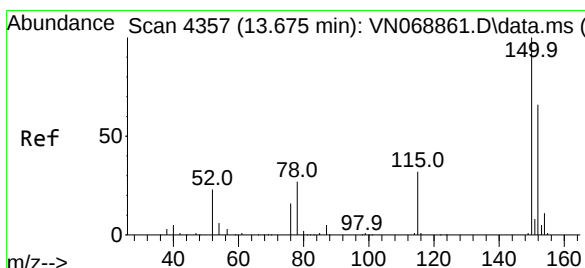
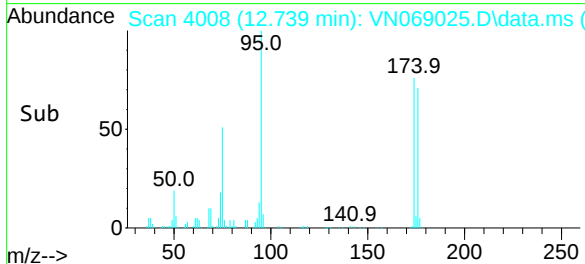
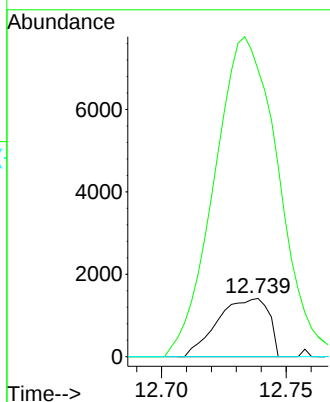
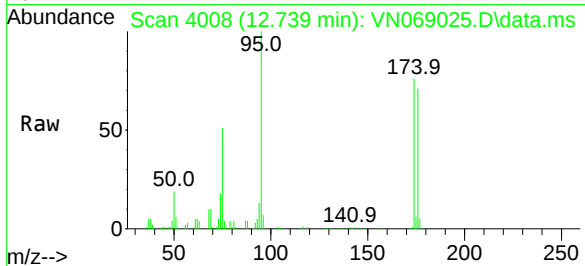




#71
Bromoform
Concen: 0.639 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

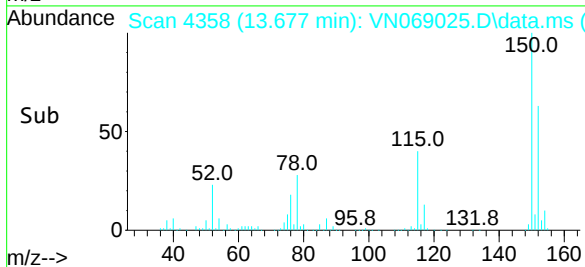
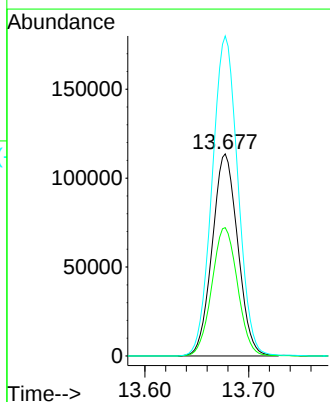
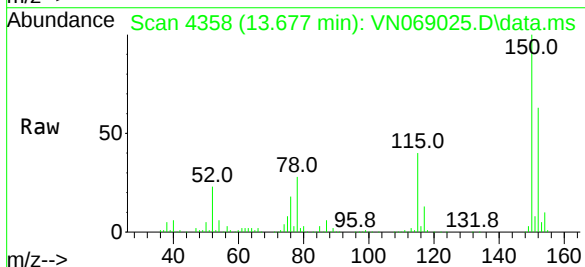
Instrument :
MSVOA_N
ClientSampleId :

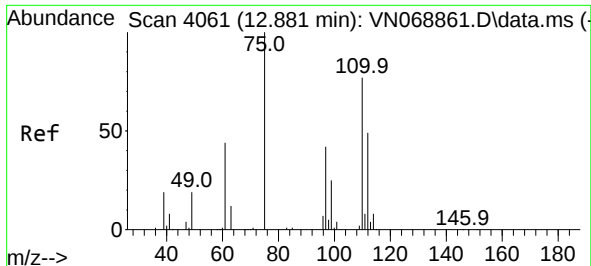
Tgt Ion:173 Resp: 2014
Ion Ratio Lower Upper
173 100
175 634.7 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

Tgt Ion:152 Resp: 194526
Ion Ratio Lower Upper
152 100
115 63.9 31.4 94.3
150 159.5 0.0 351.0

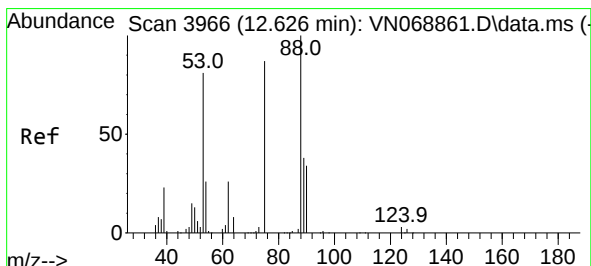
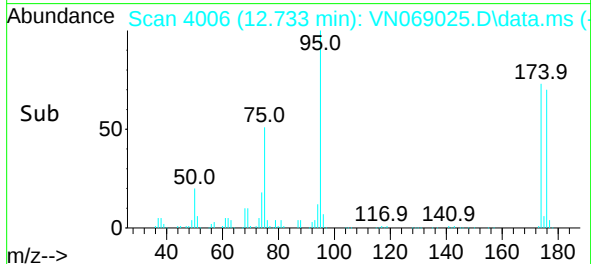
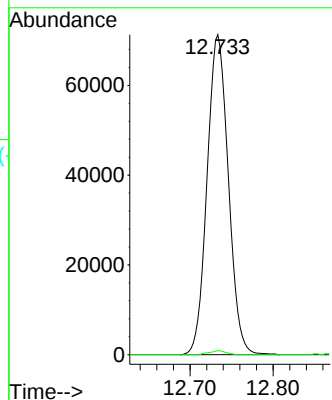
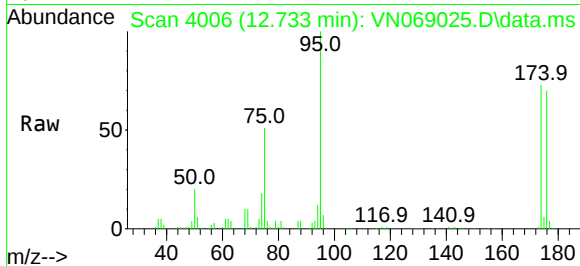




#76
1,2,3-Trichloropropane
Concen: 30.582 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

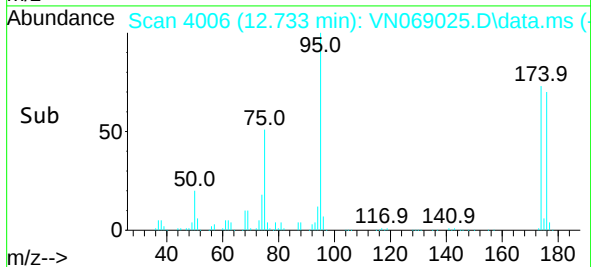
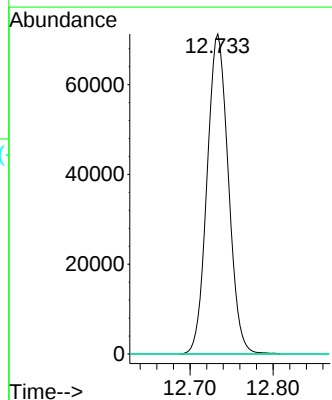
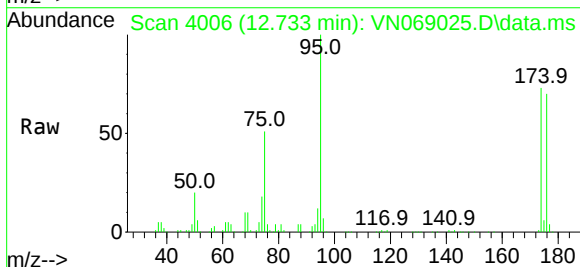
Instrument :
MSVOA_N
ClientSampled :

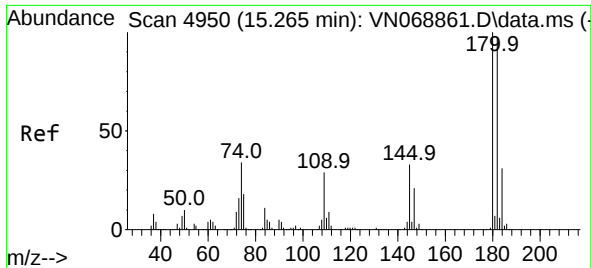
Tgt Ion: 75 Resp: 126577
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.165 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

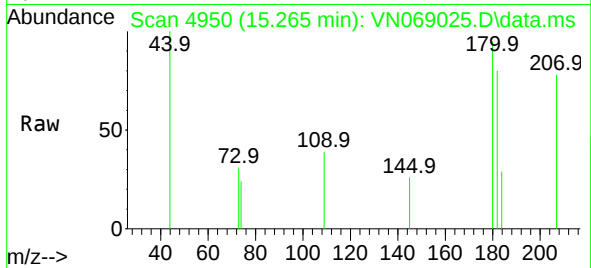
Tgt Ion: 75 Resp: 126577
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



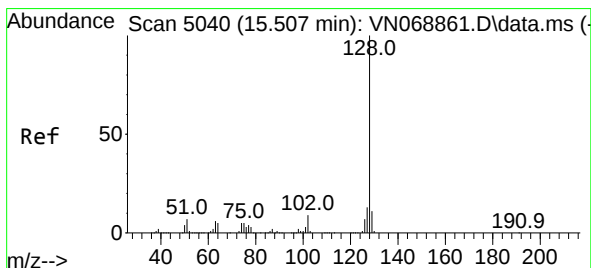
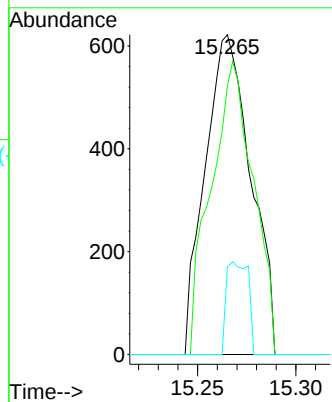
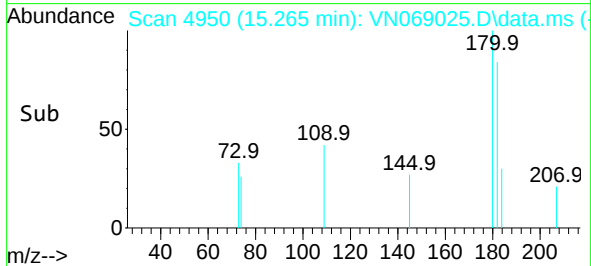


#93
1,2,4-Trichlorobenzene
Concen: 2.893 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53

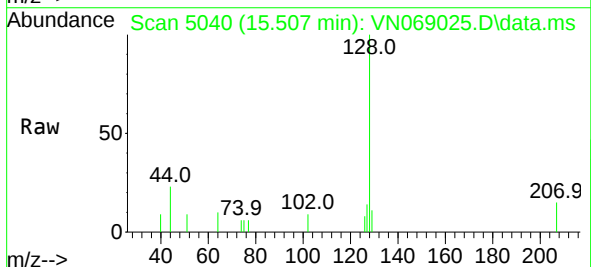
Instrument :
MSVOA_N
ClientSampleId :



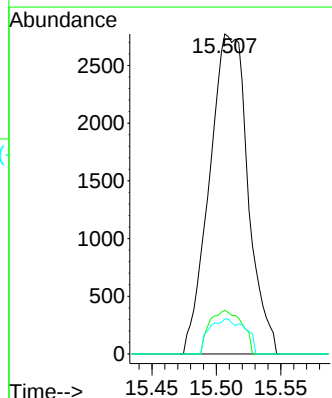
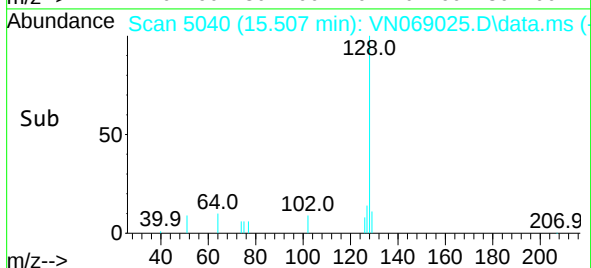
Tgt Ion:180 Resp: 1005
Ion Ratio Lower Upper
180 100
182 84.9 47.9 143.7
145 13.7 16.4 49.2#

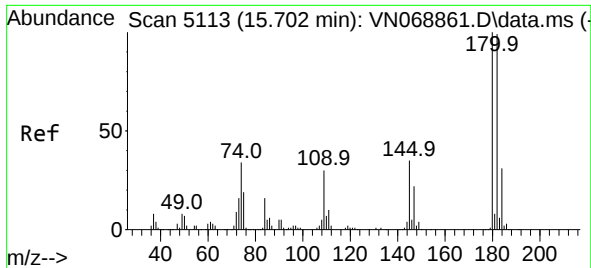


#95
Naphthalene
Concen: 4.400 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069025.D
Acq: 19 Oct 2021 14:53



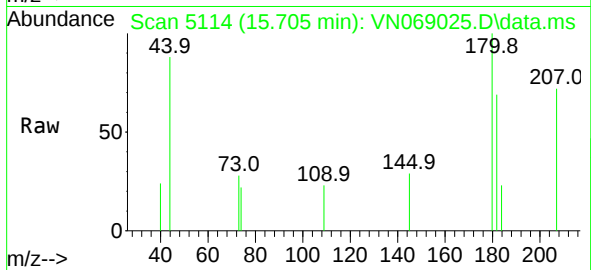
Tgt Ion:128 Resp: 5751
Ion Ratio Lower Upper
128 100
127 11.5 10.5 15.7
129 10.2 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.877 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN069025.D
 Acq: 19 Oct 2021 14:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1188
Ion	Ratio	Lower	Upper
180	100		
182	71.0	48.1	144.3
145	23.3	17.4	52.2

