

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092421\
 Data File : VN068650.D
 Acq On : 24 Sep 2021 19:58
 Operator : JC/MD
 Sample : M3824-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B

Quant Time: Sep 25 01:52:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

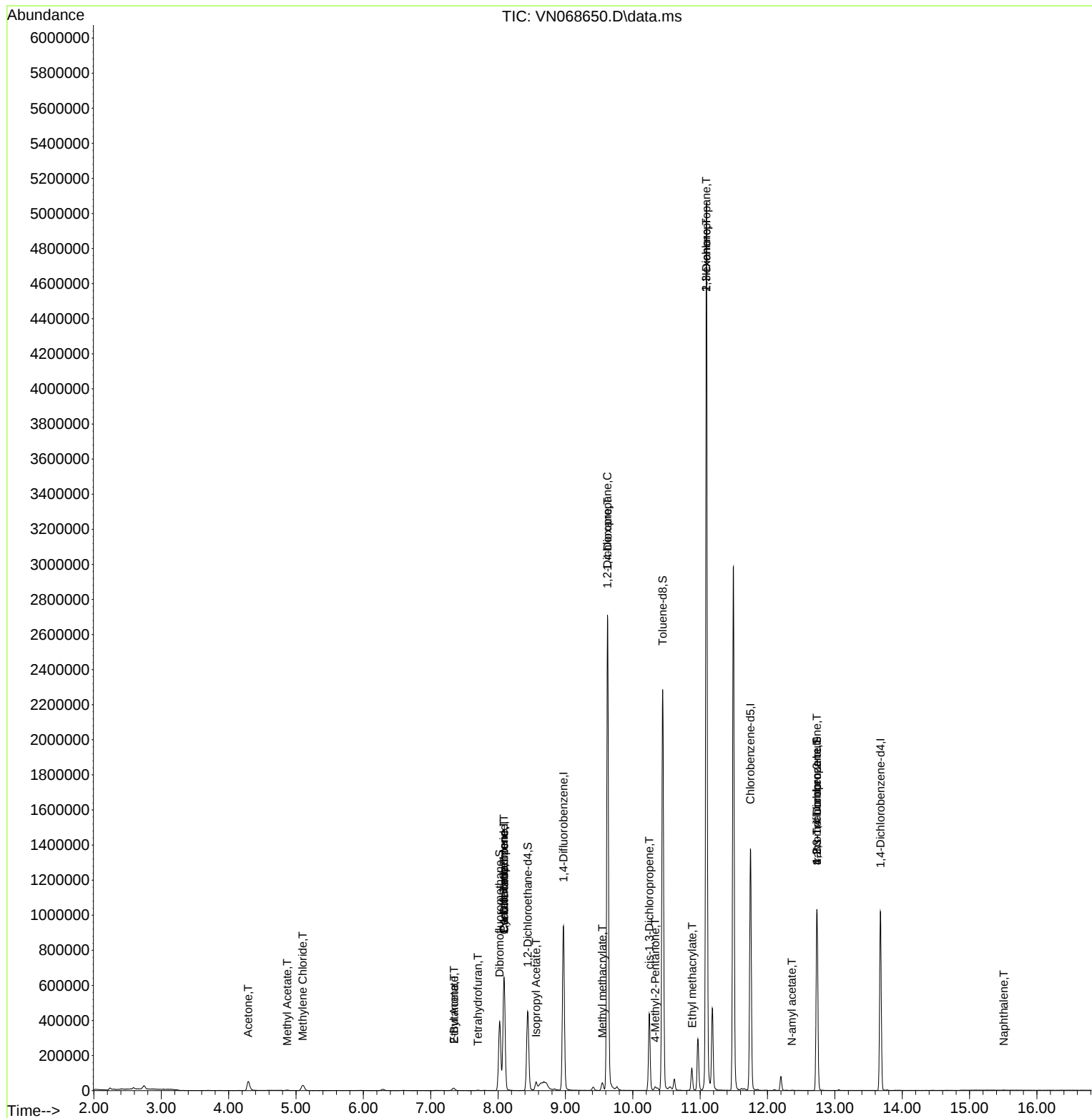
Internal Standards						
1) Pentafluorobenzene	8.088	168	488294	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	809024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	763302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	260420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	373884	49.046	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.100%
35) Dibromofluoromethane	8.024	113	284006	52.483	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.960%
50) Toluene-d8	10.443	98	1565742	68.240	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	136.480%#
62) 4-Bromofluorobenzene	12.734	95	366925	46.759	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.520%
Target Compounds						
						Qvalue
5) Bromomethane	2.861	94	319	Below Cal		81
6) Chloroethane	2.885	64	407	Below Cal		90
16) Acetone	4.291	43	98738	25.406	ug/l	97
18) Methyl Acetate	4.870	43	6998	0.624	ug/l #	61
20) Methylene Chloride	5.101	84	24343	2.319	ug/l	93
25) 2-Butanone	7.345	43	23737	5.108	ug/l	97
29) Tetrahydrofuran	7.699	42	1850	0.626	ug/l #	42
31) Cyclohexane	8.091	56	12175	1.138	ug/l #	17
36) 1,1-Dichloropropene	8.086	75	40262	4.927	ug/l #	52
37) Ethyl Acetate	7.345	43	23737	2.559	ug/l #	69
38) Carbon Tetrachloride	8.088	117	49596	5.877	ug/l #	17
43) Isopropyl Acetate	8.563	43	55952	3.526	ug/l #	87
45) 1,2-Dichloropropane	9.622	63	2920	0.463	ug/l #	44
48) Methyl methacrylate	9.547	41	11825	1.631	ug/l #	12
49) 1,4-Dioxane	9.625	88	232	2.194	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	12184	1.270	ug/l	91
54) cis-1,3-Dichloropropene	10.245	75	72127	7.230	ug/l #	64
56) Ethyl methacrylate	10.883	69	823	0.783	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	46849	4.555	ug/l #	43
59) 2-Hexanone	11.092	43	794220	115.085	ug/l #	52
74) N-amyl acetate	12.361	43	2295	0.230	ug/l #	47
76) 1,2,3-Trichloropropane	12.734	75	205890	31.975	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	205890	90.321	ug/l #	6
95) Naphthalene	15.507	128	1481	1.711	ug/l #	80

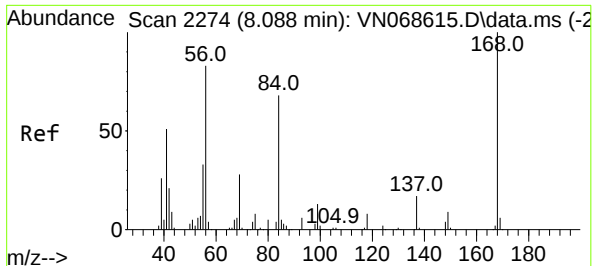
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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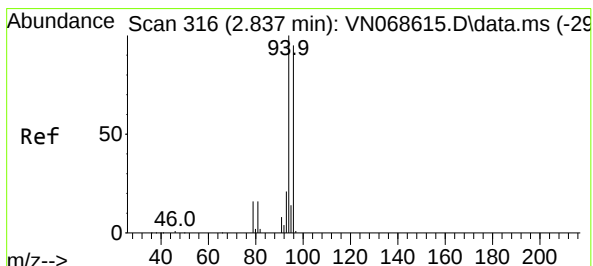
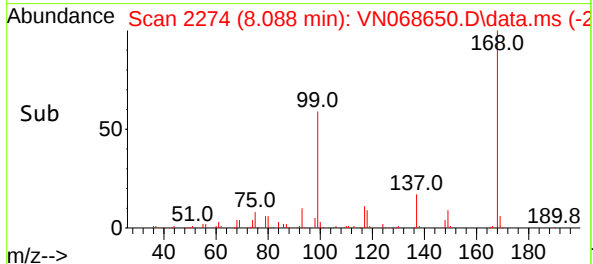
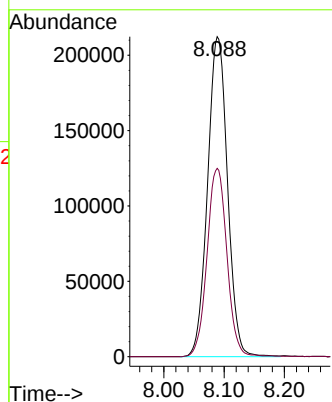
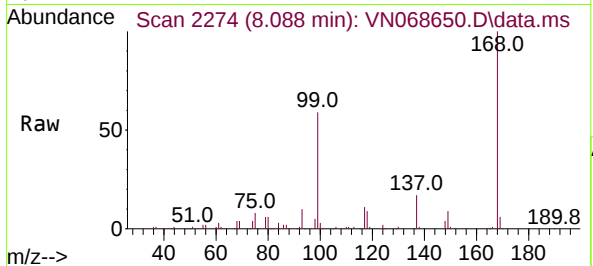




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

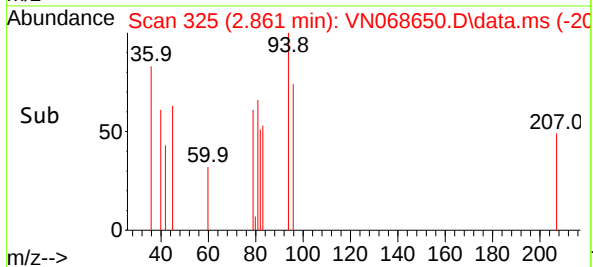
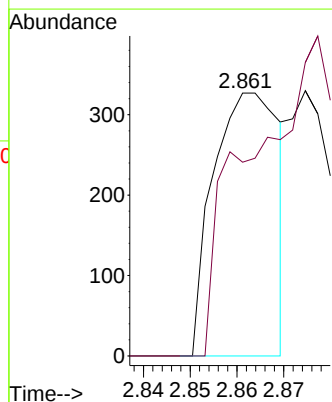
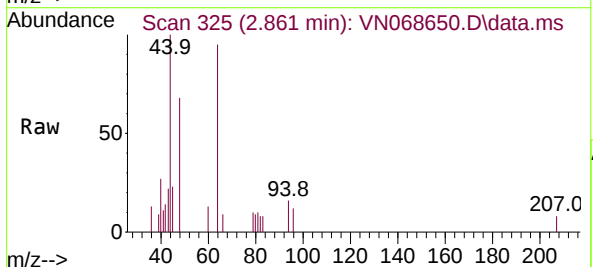
Instrument :
MSVOA_N
ClientSampled :
TP-B

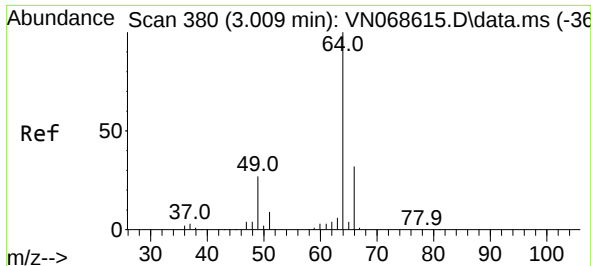
Tgt Ion:168 Resp: 488294
Ion Ratio Lower Upper
168 100
99 58.8 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.861 min Scan# 325
Delta R.T. 0.024 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 73.7 73.7 110.5

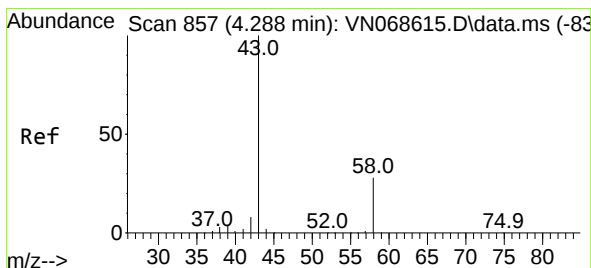
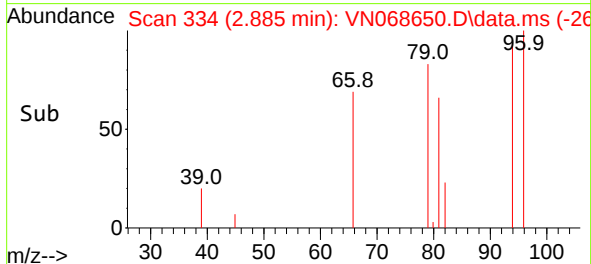
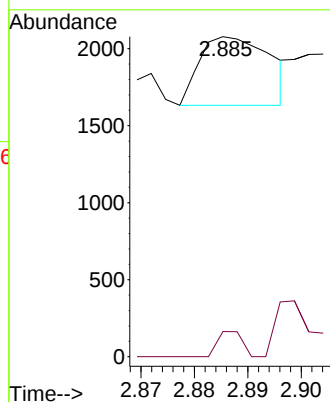
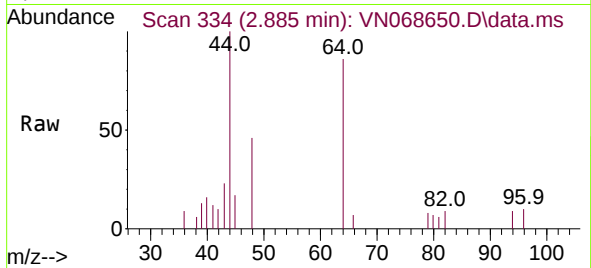




#6
Chloroethane
Concen: Below Cal
RT: 2.885 min Scan# 334
Delta R.T. -0.124 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

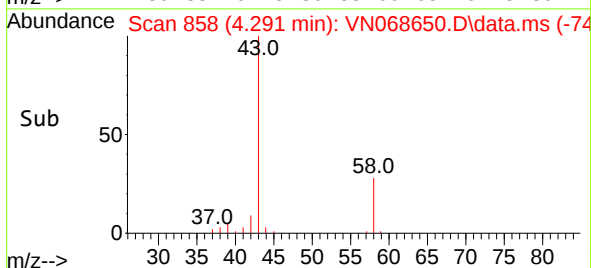
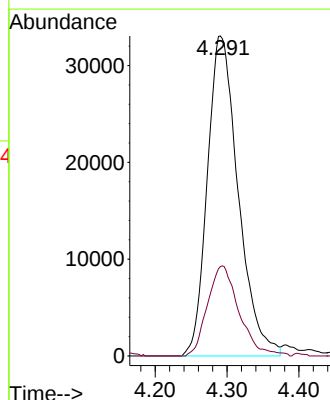
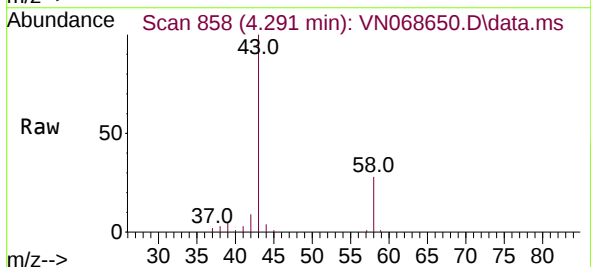
Instrument :
MSVOA_N
ClientSampled :
TP-B

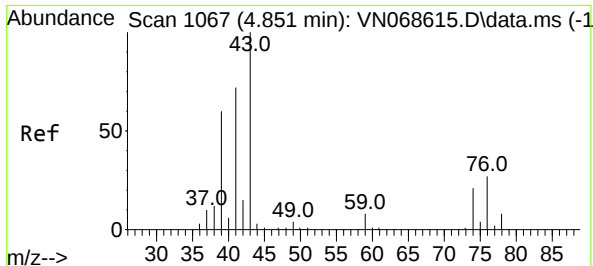
Tgt Ion: 64 Resp: 407
Ion Ratio Lower Upper
64 100
66 36.5 24.7 37.1



#16
Acetone
Concen: 25.406 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 43 Resp: 98738
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8





#18

Methyl Acetate

Concen: 0.624 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.019 min

Lab File: VN068650.D

Acq: 24 Sep 2021 19:58

Tgt Ion: 43 Resp: 6998

Ion Ratio Lower Upper

43 100

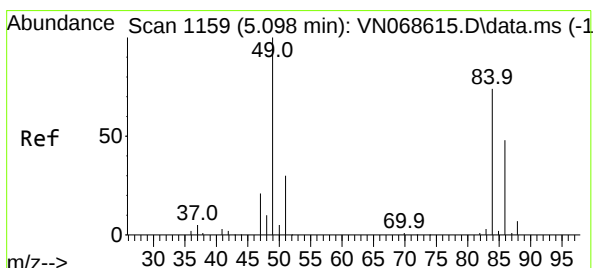
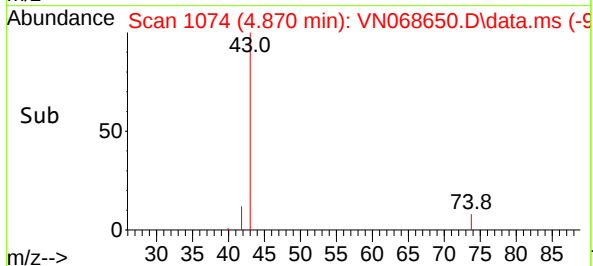
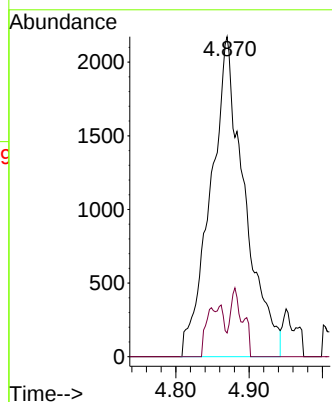
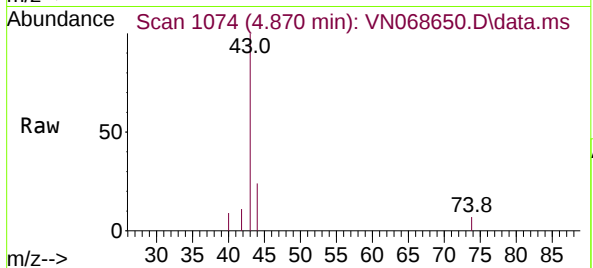
74 3.0 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :

TP-B



#20

Methylene Chloride

Concen: 2.319 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VN068650.D

Acq: 24 Sep 2021 19:58

Tgt Ion: 84 Resp: 24343

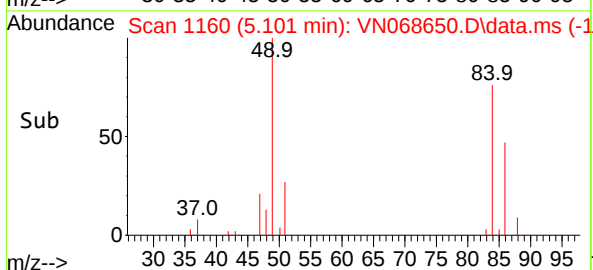
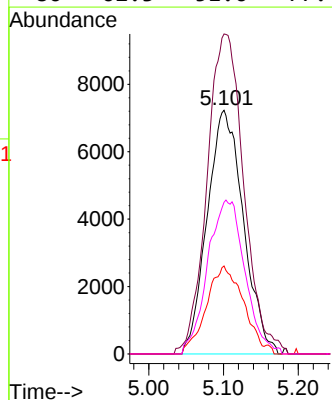
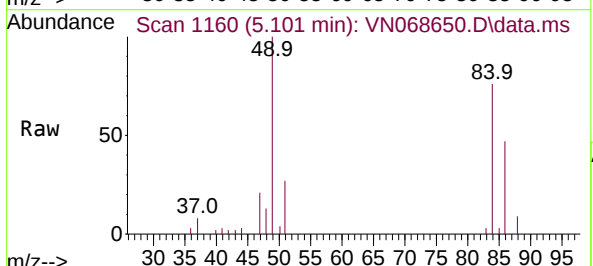
Ion Ratio Lower Upper

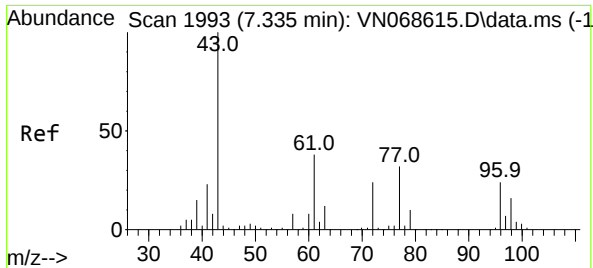
84 100

49 128.7 110.9 166.3

51 36.1 32.6 49.0

86 62.3 51.6 77.4

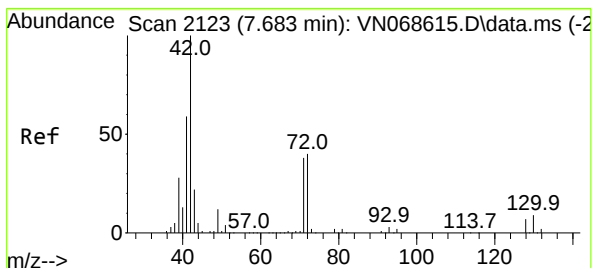
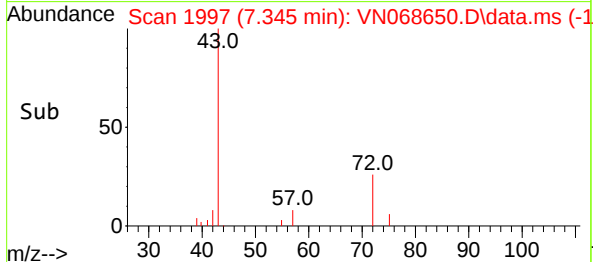
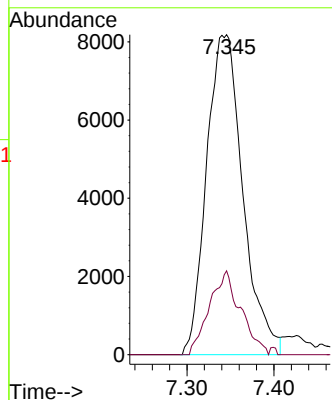
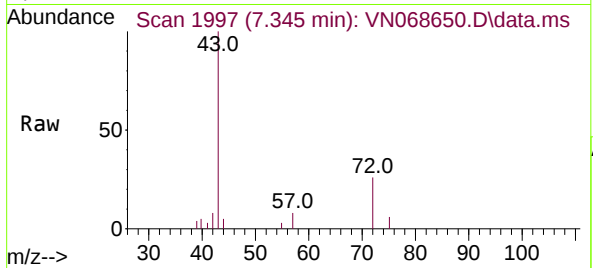




#25
2-Butanone
Concen: 5.108 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

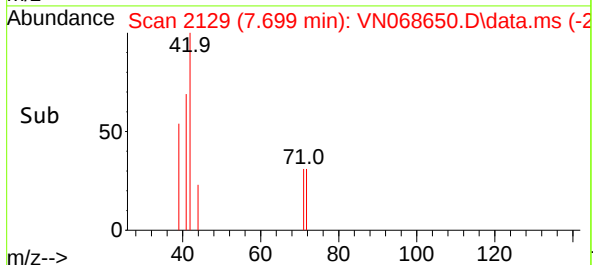
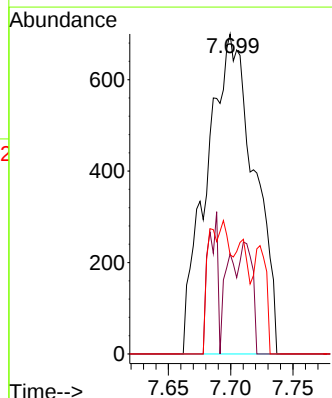
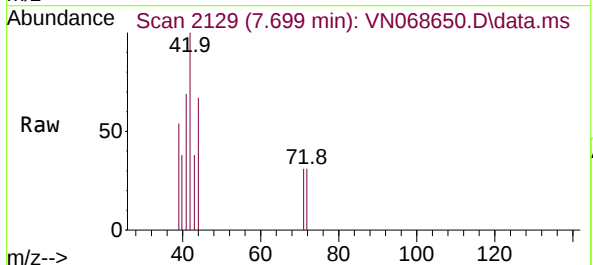
Instrument :
MSVOA_N
ClientSampled :
TP-B

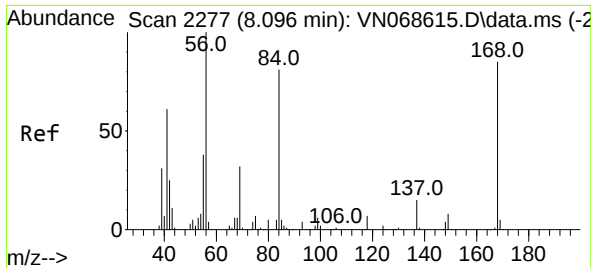
Tgt Ion: 43 Resp: 23737
Ion Ratio Lower Upper
43 100
72 26.2 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.626 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 42 Resp: 1850
Ion Ratio Lower Upper
42 100
72 8.1 32.8 49.2#
71 0.0 31.2 46.8#

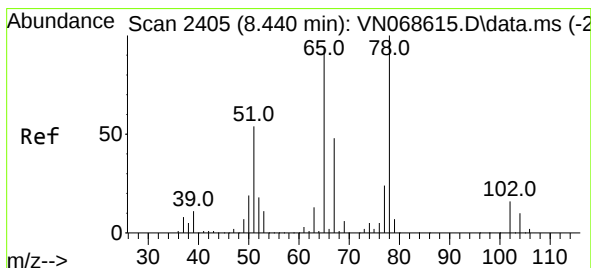
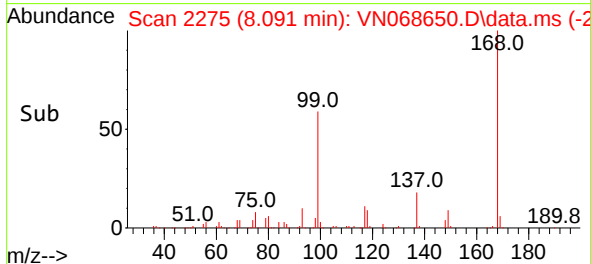
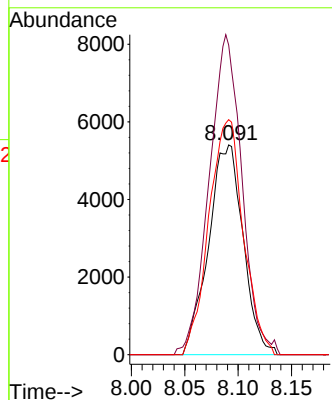
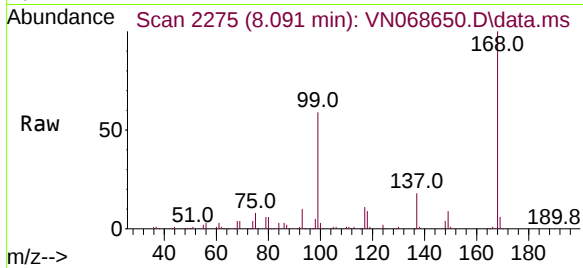




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

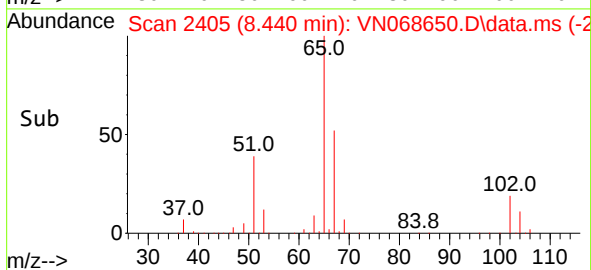
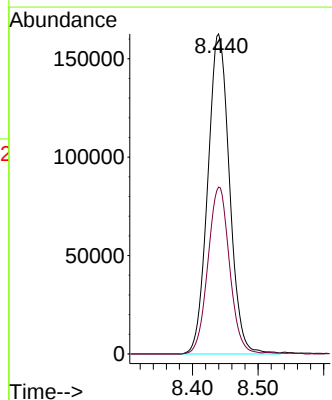
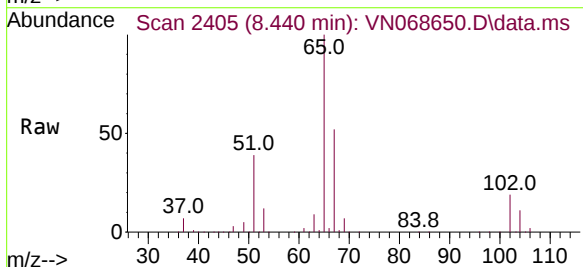
Instrument :
MSVOA_N
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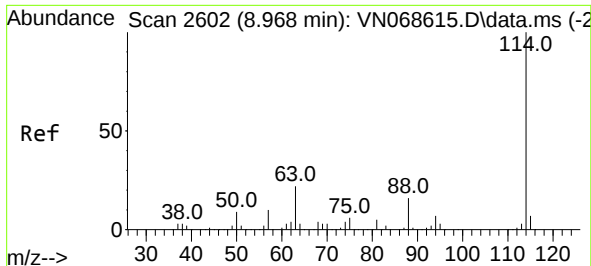
Tgt Ion:	56	Resp:	12175
Ion Ratio	Lower	Upper	
56	100		
69	147.5	27.3	40.9#
84	112.0	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.046 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion:	65	Resp:	373884
Ion Ratio	Lower	Upper	
65	100		
67	51.9	0.0	98.6

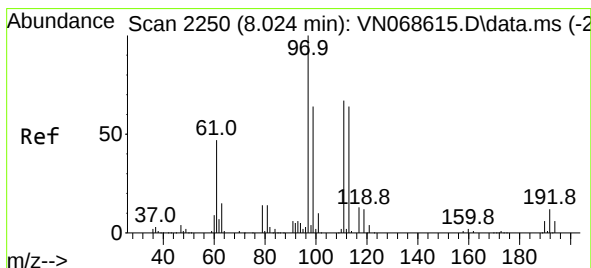
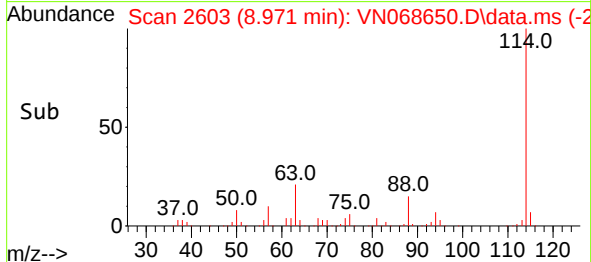
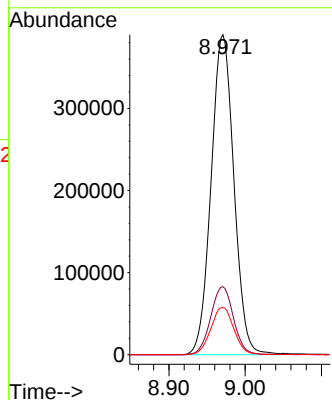
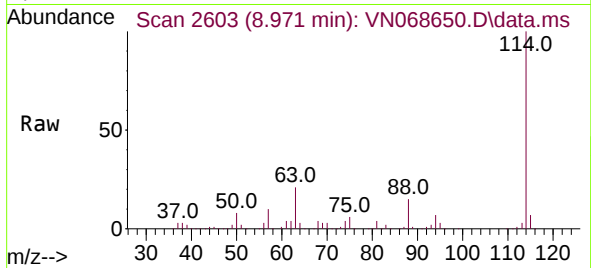




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

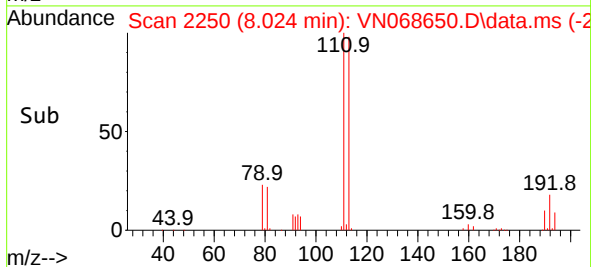
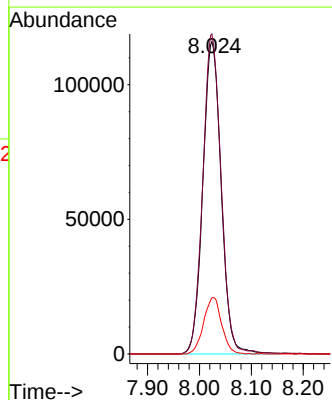
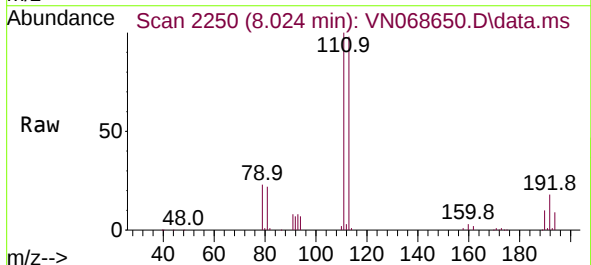
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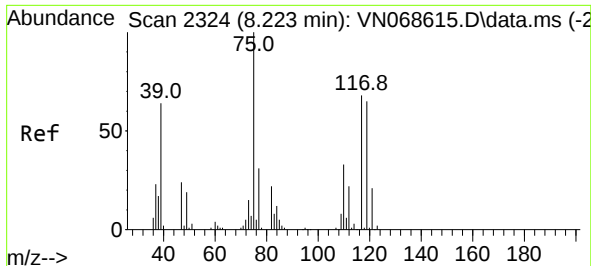
Tgt Ion:114 Resp: 809024
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.483 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion:113 Resp: 284006
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.8
192 17.8 13.4 20.0

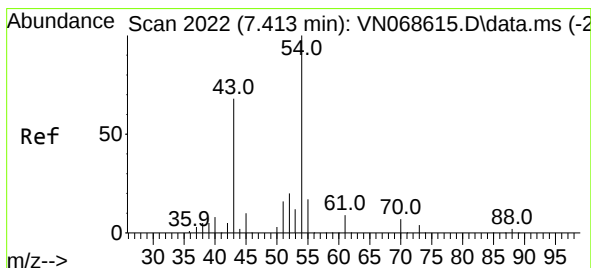
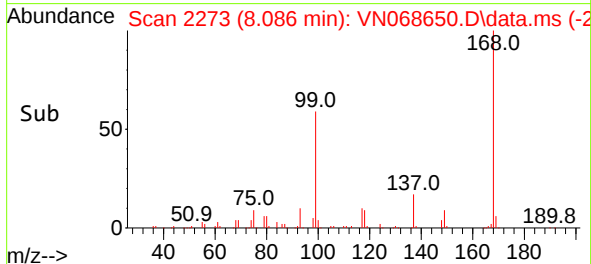
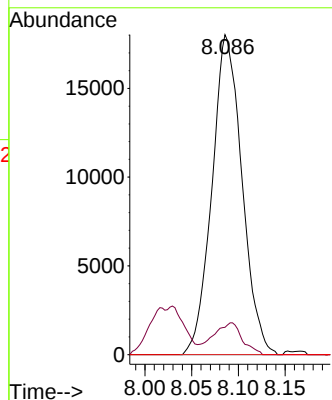
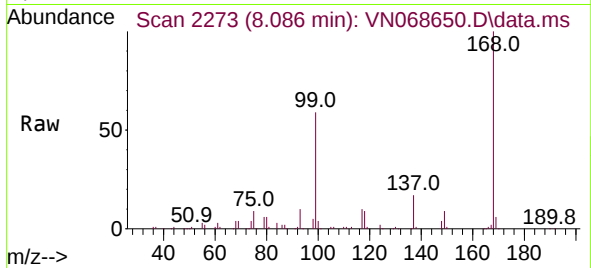




#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

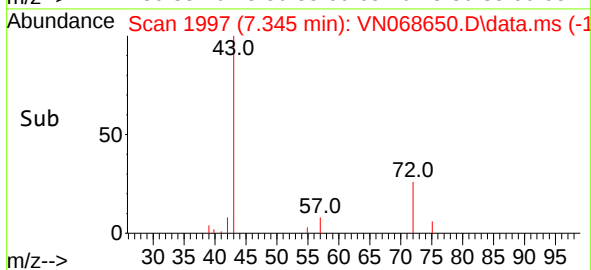
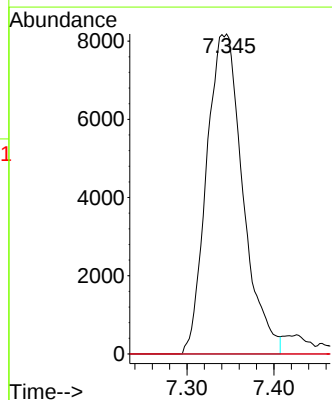
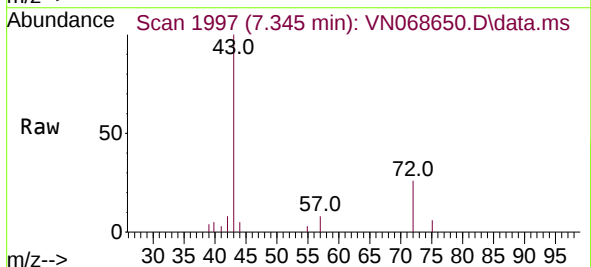
Instrument :
MSVOA_N
ClientSampled :
TP-B

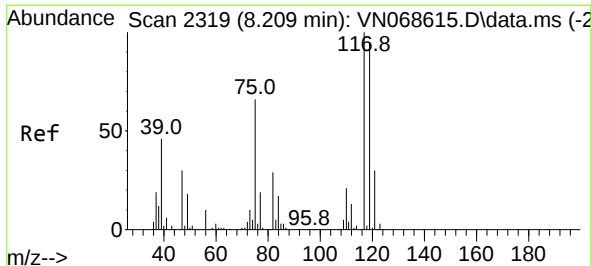
Tgt Ion: 75 Resp: 40262
Ion Ratio Lower Upper
75 100
110 9.6 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 2.559 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.068 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

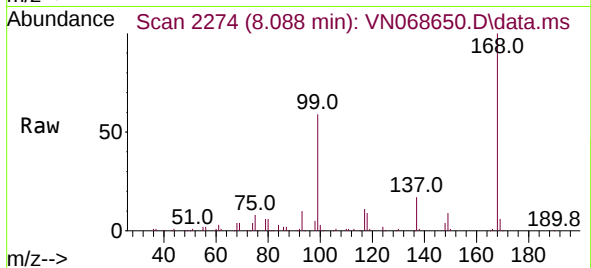
Tgt Ion: 43 Resp: 23737
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



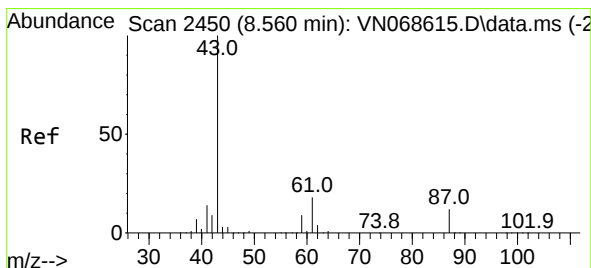
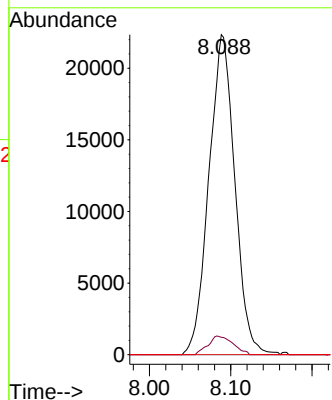
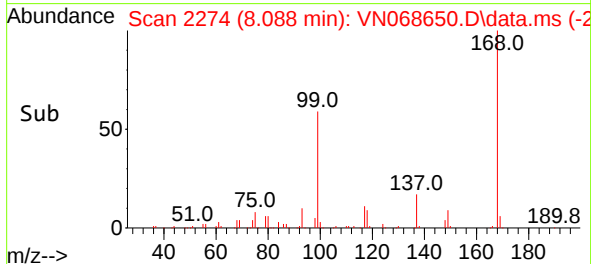


#38
Carbon Tetrachloride
Concen: 5.877 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

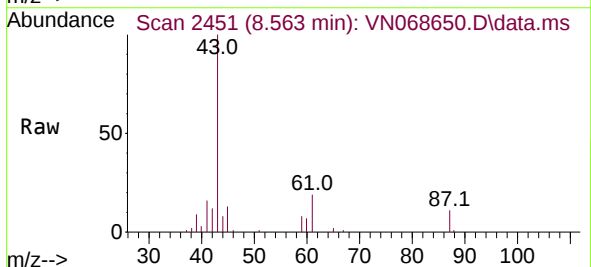
Instrument :
MSVOA_N
ClientSampled :
TP-B



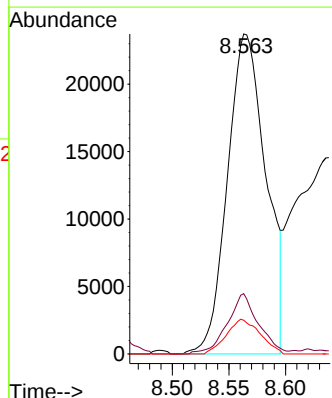
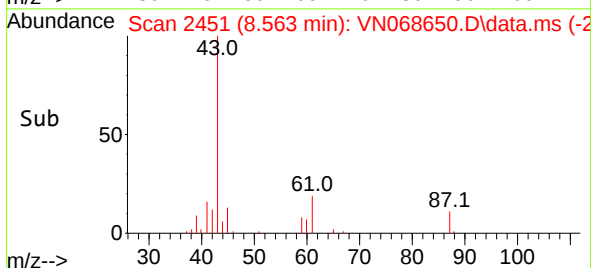
Tgt Ion:117 Resp: 49596
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#

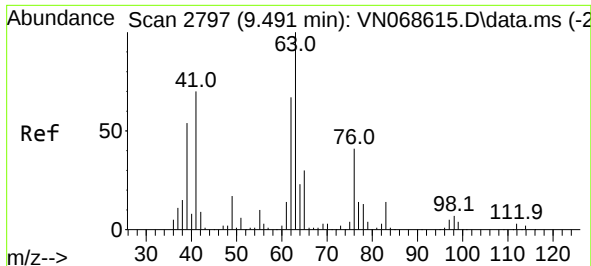


#43
Isopropyl Acetate
Concen: 3.526 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58



Tgt Ion: 43 Resp: 55952
Ion Ratio Lower Upper
43 100
61 15.3 19.0 28.4#
87 9.5 9.5 14.3#



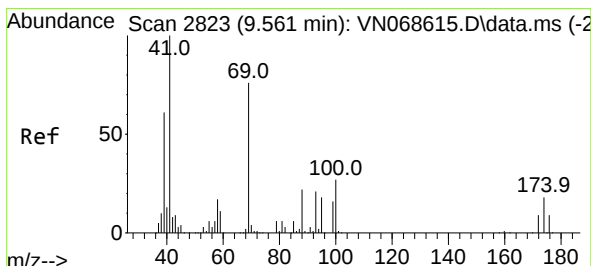
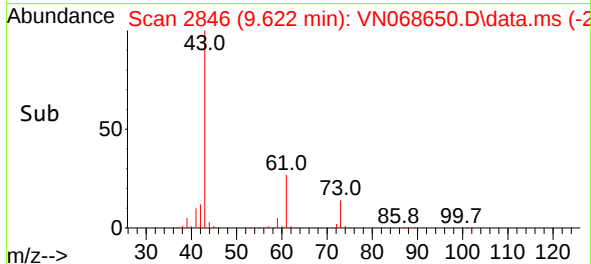
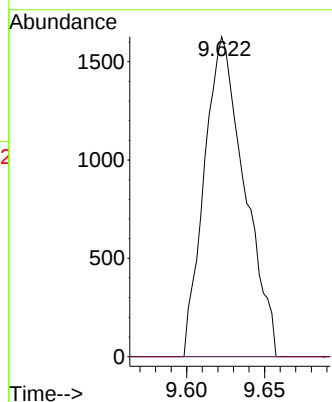
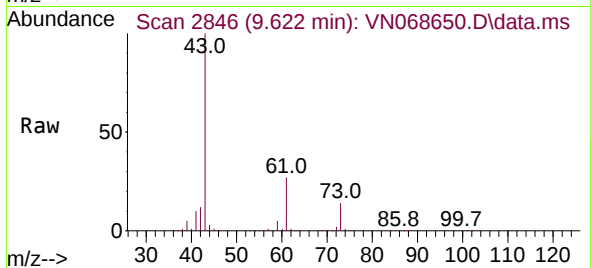


#45

1,2-Dichloropropane
Concen: 0.463 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Instrument :
MSVOA_N
ClientSampled :
TP-B

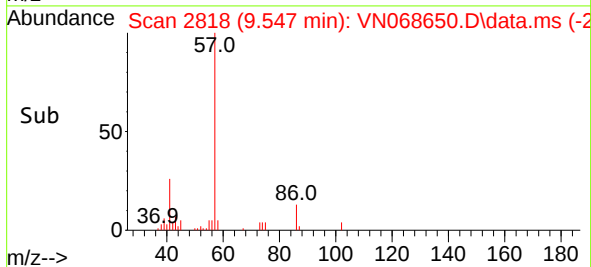
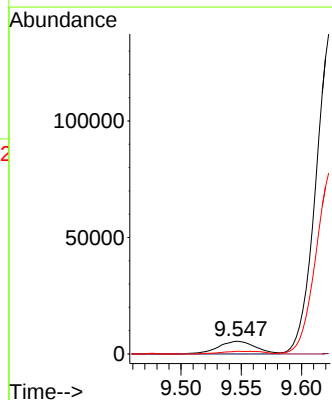
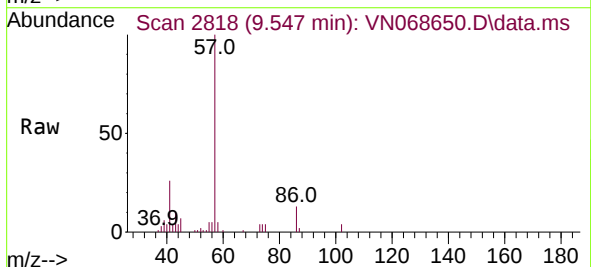
Tgt Ion: 63 Resp: 2920
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

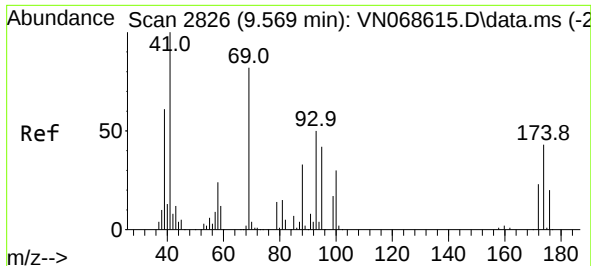


#48

Methyl methacrylate
Concen: 1.631 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 41 Resp: 11825
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

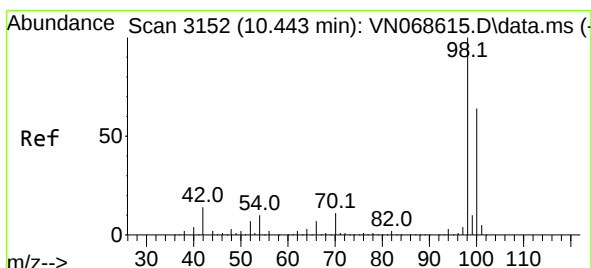
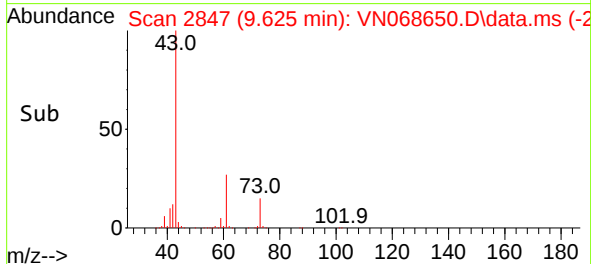
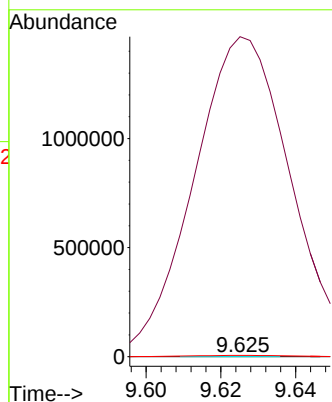
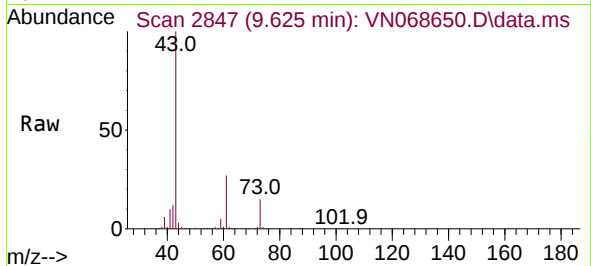




#49
1,4-Dioxane
Concen: 2.194 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

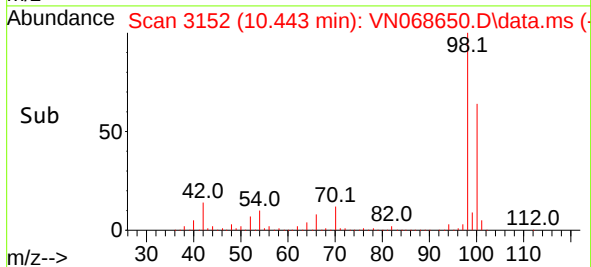
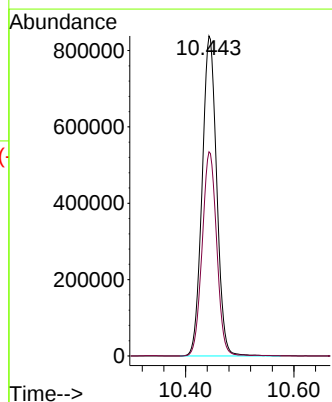
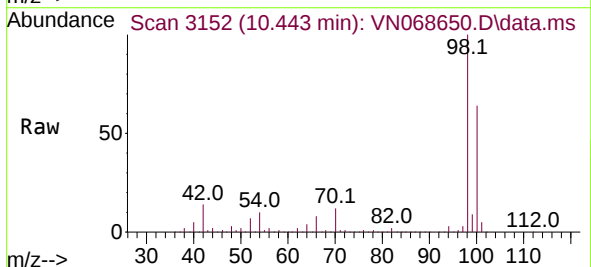
Instrument :
MSVOA_N
ClientSampled :
TP-B

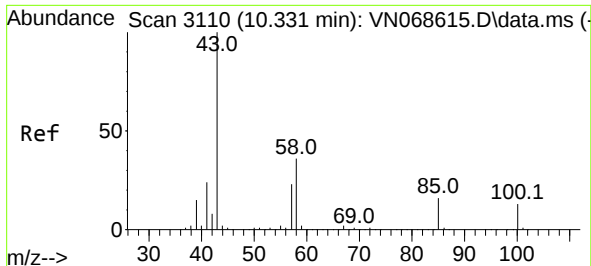
Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 1179195.7 28.8 43.2#
58 5064.7 60.4 90.6#



#50
Toluene-d8
Concen: 68.240 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 98 Resp: 1565742
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

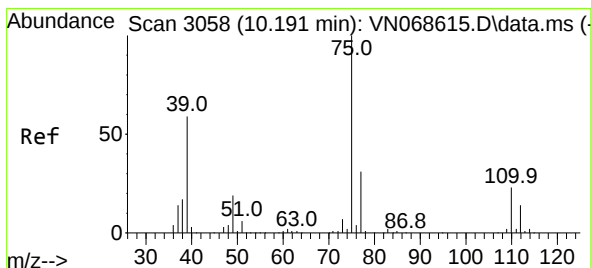
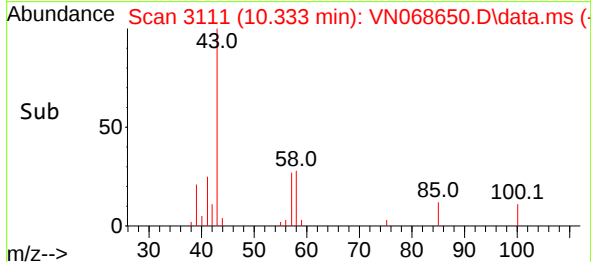
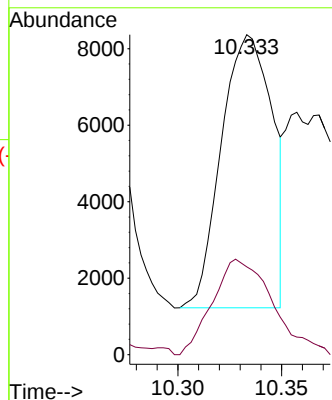
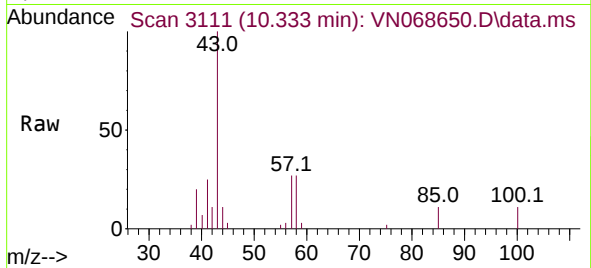




#51
4-Methyl-2-Pentanone
Concen: 1.270 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

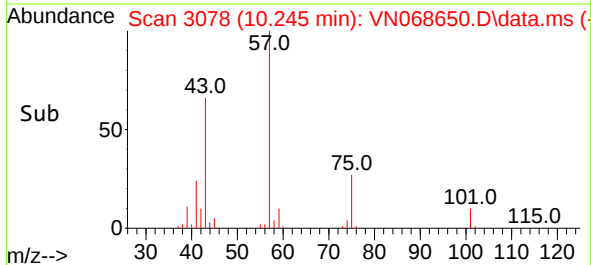
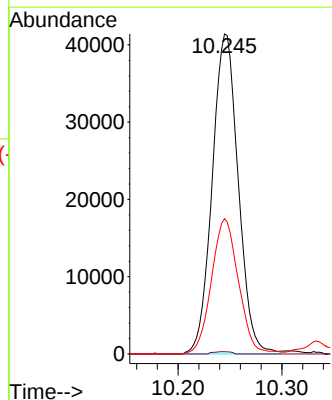
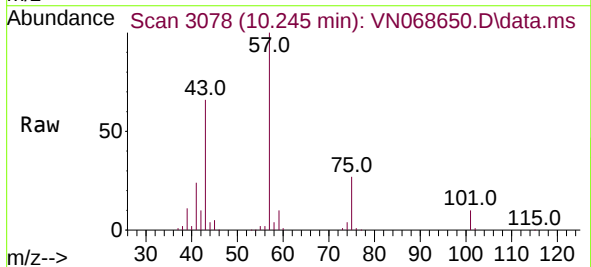
Instrument :
MSVOA_N
ClientSampled :
TP-B

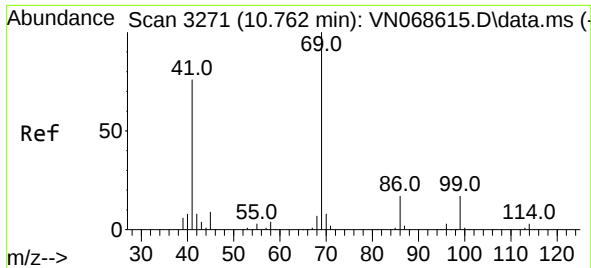
Tgt Ion: 43 Resp: 12184
Ion Ratio Lower Upper
43 100
58 41.3 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 7.230 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 75 Resp: 72127
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 42.2 50.7 76.1#

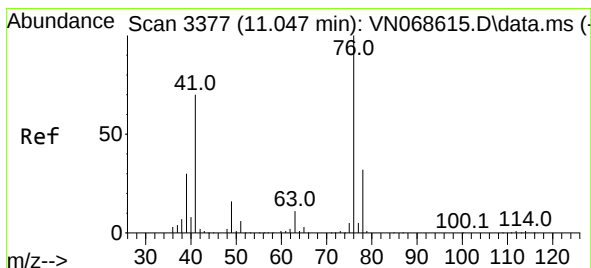
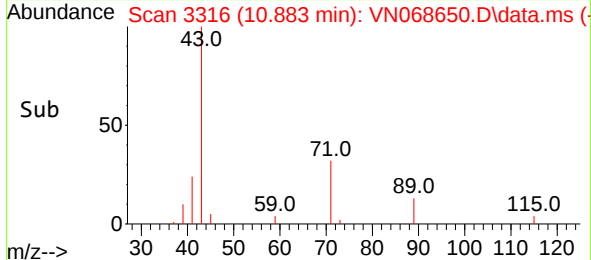
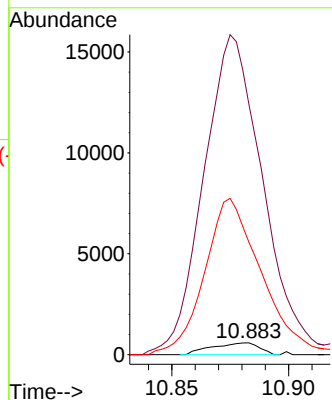
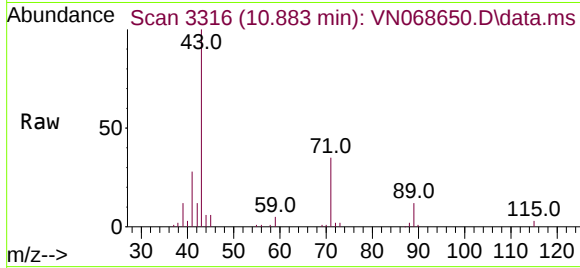




#56
Ethyl methacrylate
Concen: 0.783 ug/l
RT: 10.883 min Scan# 3316
Delta R.T. 0.121 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

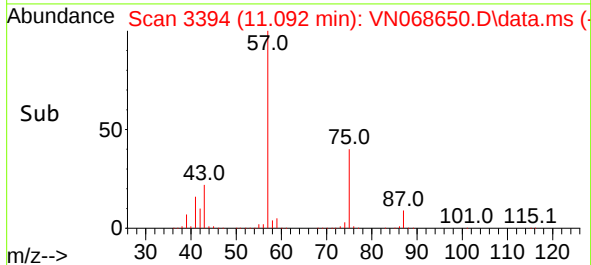
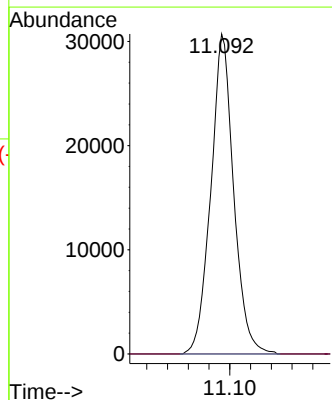
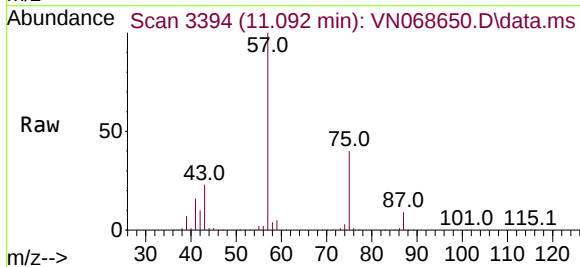
Instrument :
MSVOA_N
ClientSampled :
TP-B

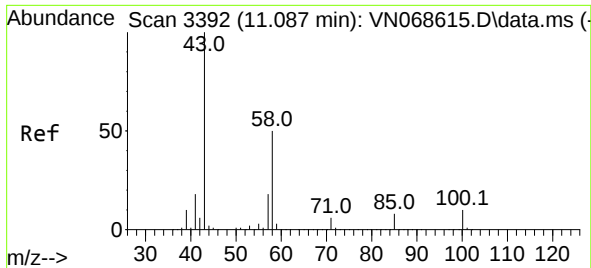
Tgt Ion: 69 Resp: 823
Ion Ratio Lower Upper
69 100
41 3384.0 58.6 88.0#
39 1589.8 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 4.555 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 76 Resp: 46849
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

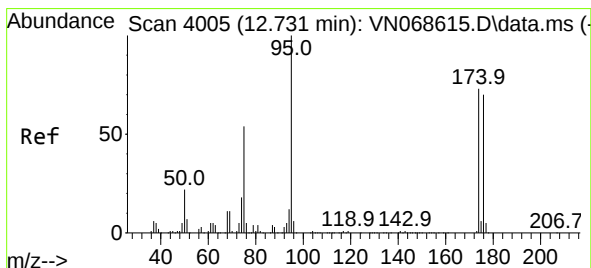
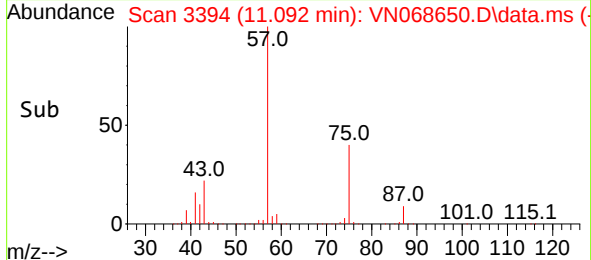
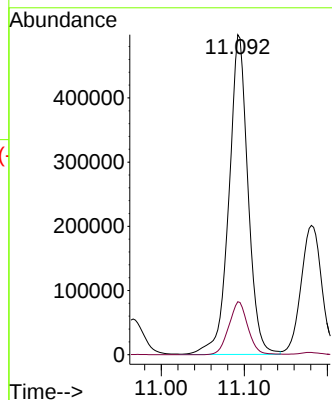
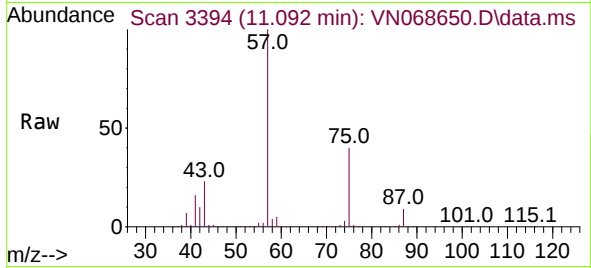




#59
2-Hexanone
Concen: 115.085 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

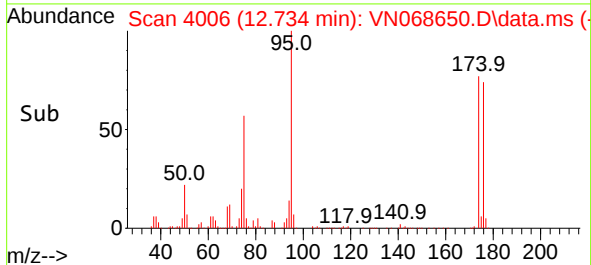
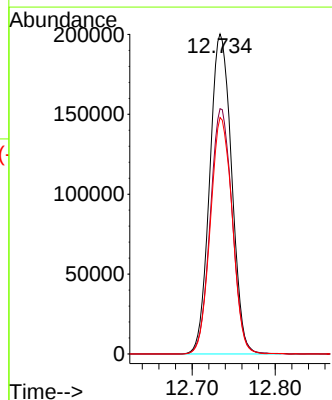
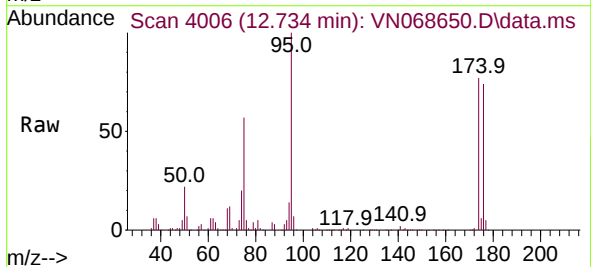
Instrument :
MSVOA_N
ClientSampled :
TP-B

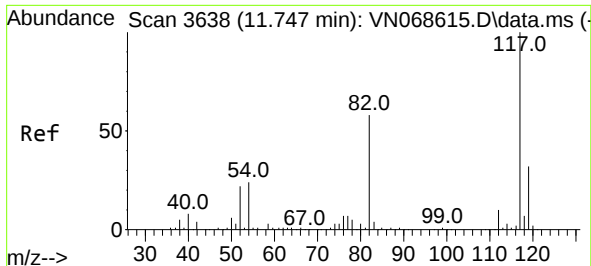
Tgt Ion: 43 Resp: 794220
Ion Ratio Lower Upper
43 100
58 16.6 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 46.759 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion: 95 Resp: 366925
Ion Ratio Lower Upper
95 100
174 76.8 0.0 122.0
176 73.7 0.0 117.6

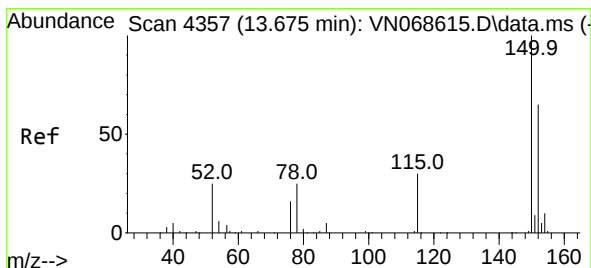
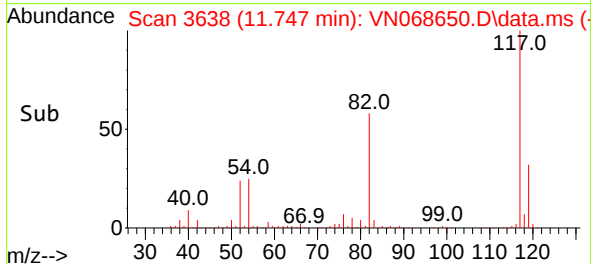
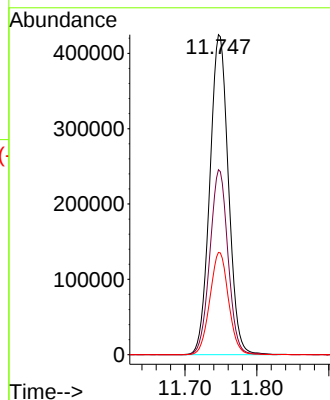
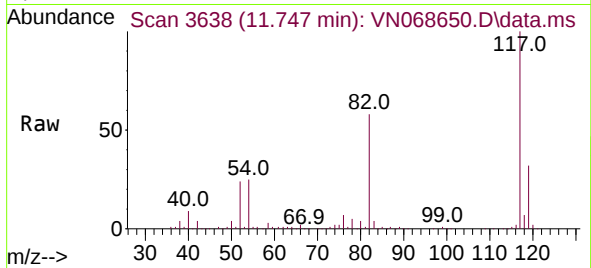




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

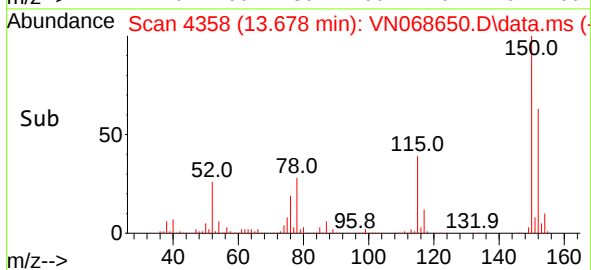
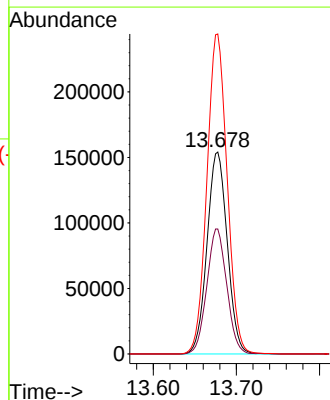
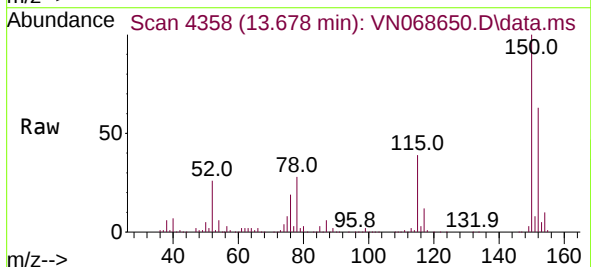
Instrument :
MSVOA_N
ClientSampled :
TP-B

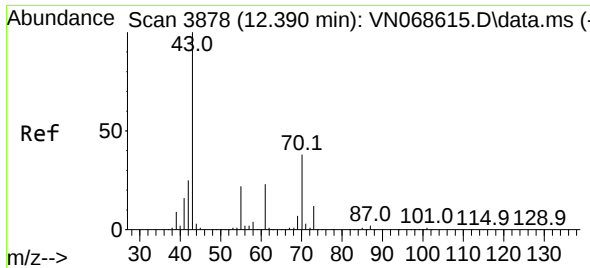
Tgt Ion:117 Resp: 763302
Ion Ratio Lower Upper
117 100
82 57.8 53.1 79.7
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion:152 Resp: 260420
Ion Ratio Lower Upper
152 100
115 61.0 36.1 108.5
150 158.4 0.0 351.8

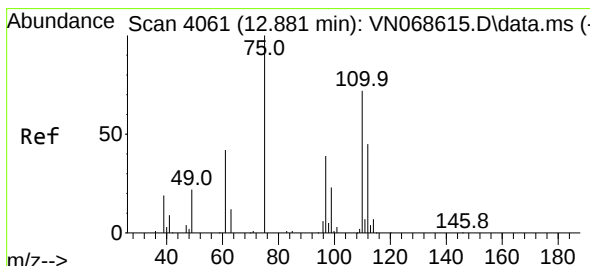
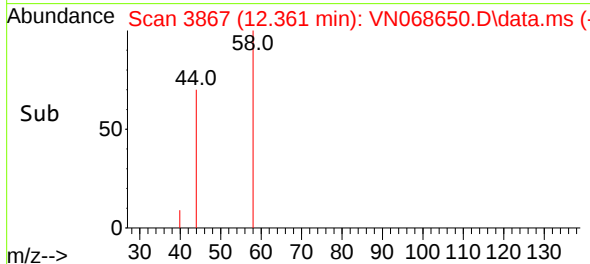
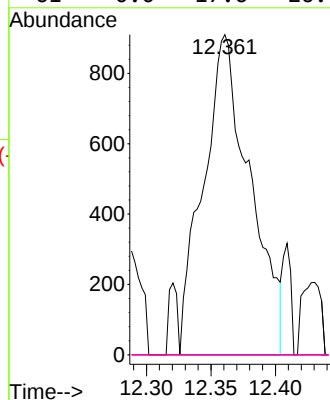
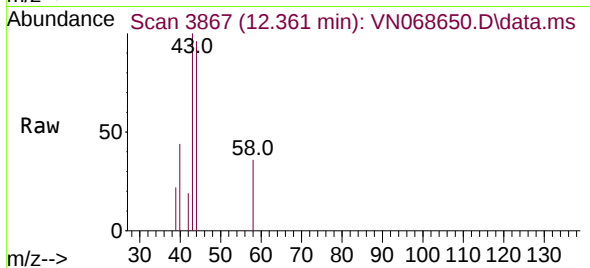




#74
N-amy1 acetate
Concen: 0.230 ug/l
RT: 12.361 min Scan# 3867
Delta R.T. -0.029 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

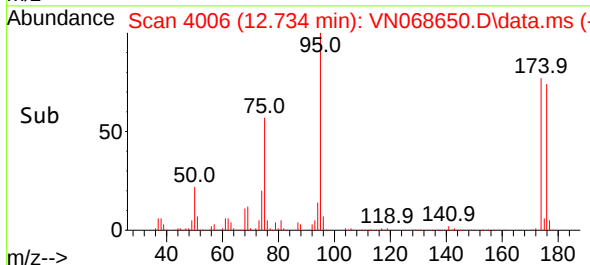
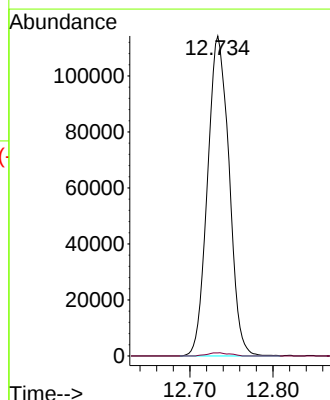
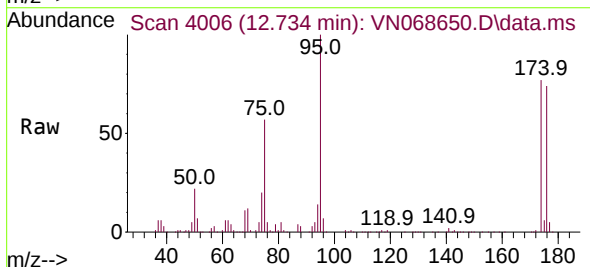
Instrument :
MSVOA_N
ClientSampleId :
TP-B

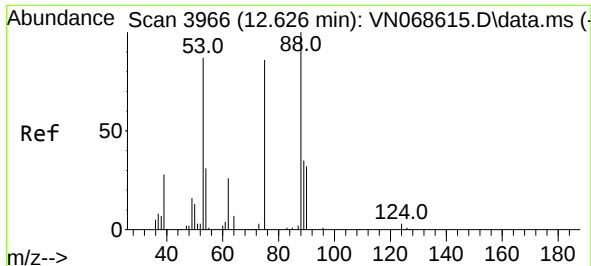
Tgt Ion:	43	Resp:	2295
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	0.0	17.0	25.4#
61	0.0	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 31.975 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion:	75	Resp:	205890
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

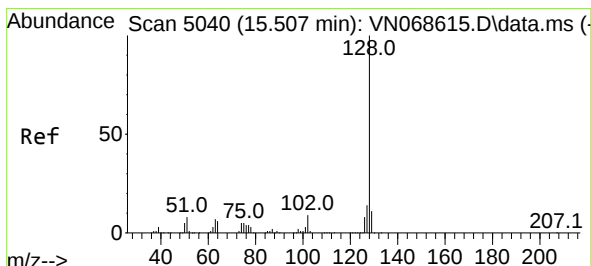
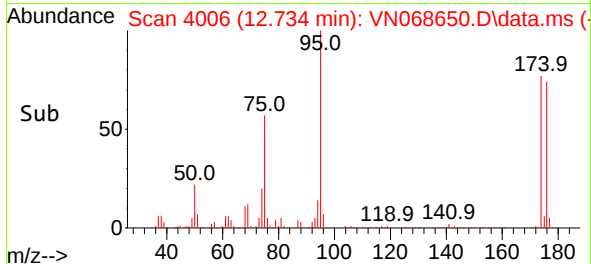
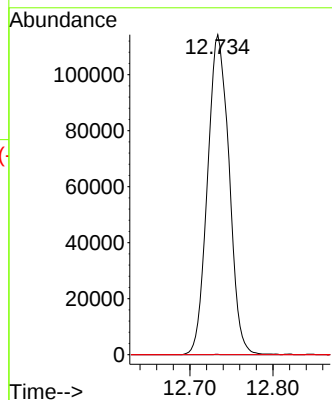
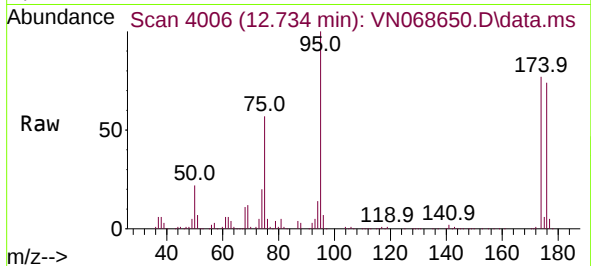




#81
trans-1,4-Dichloro-2-butene
Concen: 90.321 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Instrument :
MSVOA_N
ClientSampled :
TP-B

Tgt Ion: 75 Resp: 205890
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.711 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068650.D
Acq: 24 Sep 2021 19:58

Tgt Ion:128 Resp: 1481
Ion Ratio Lower Upper
128 100
127 7.6 10.6 15.8#
129 0.0 8.6 12.8#

