

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068678.D
 Acq On : 25 Sep 2021 19:41
 Operator : JC/MD
 Sample : M3935-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Sep 27 04:47:53 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)

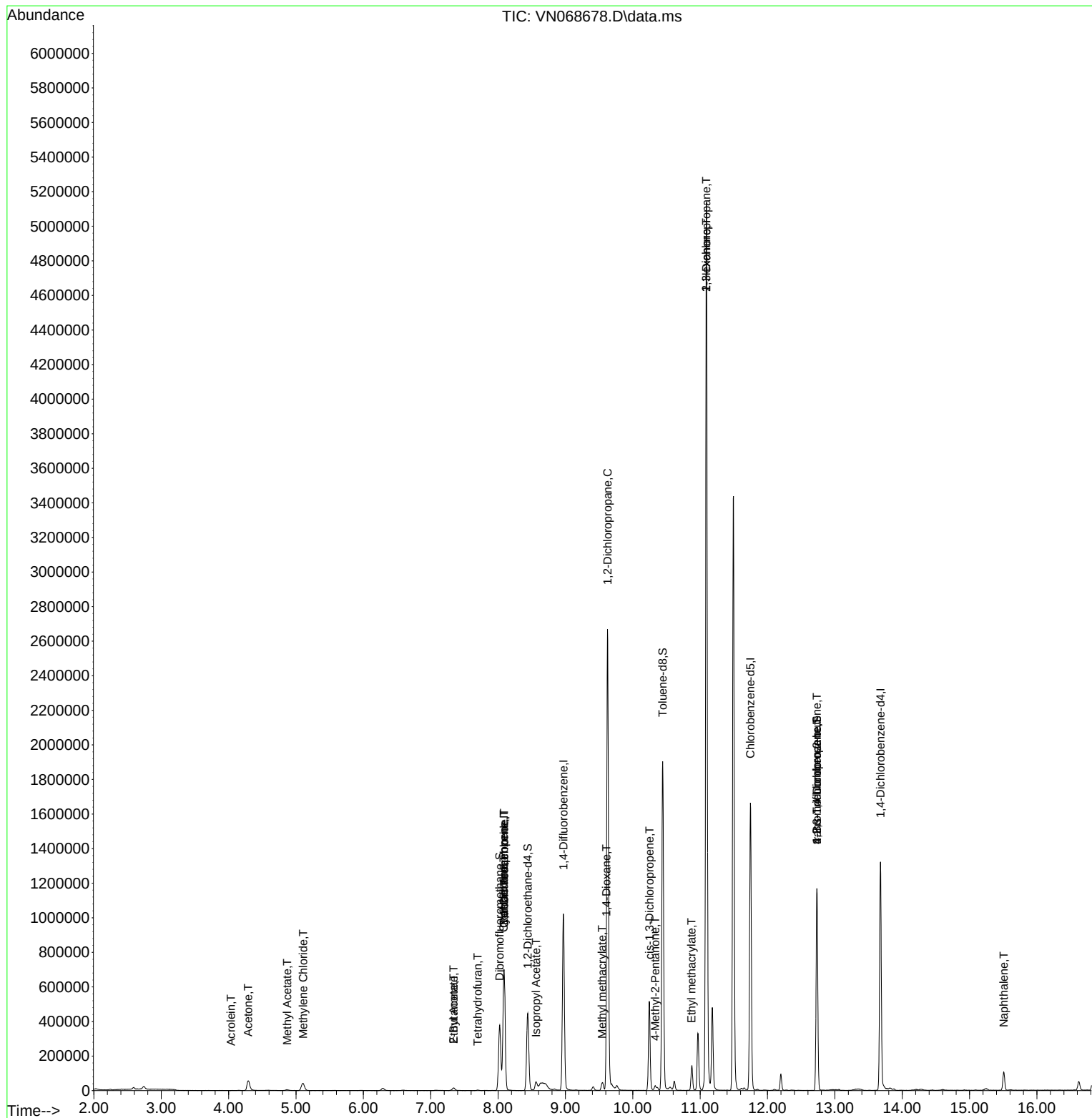
Internal Standards						
1) Pentafluorobenzene	8.088	168	540202	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	865949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	916381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	332774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	373549	44.173	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.340%		
35) Dibromofluoromethane	8.024	113	273102	47.060	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.120%		
50) Toluene-d8	10.443	98	1282746	52.231	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.460%		
62) 4-Bromofluorobenzene	12.733	95	395208	47.053	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.100%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.853	94	194	Below Cal	#	4
6) Chloroethane	3.011	64	456	Below Cal	#	44
13) Acrolein	4.036	56	51	6.946	ug/l #	1
16) Acetone	4.291	43	112334	26.468	ug/l	98
18) Methyl Acetate	4.870	43	11203	0.903	ug/l #	87
20) Methylene Chloride	5.106	84	34709	3.586	ug/l	94
25) 2-Butanone	7.340	43	26464	5.147	ug/l	98
29) Tetrahydrofuran	7.697	42	2009	0.615	ug/l #	88
31) Cyclohexane	8.083	56	13220	1.117	ug/l #	21
36) 1,1-Dichloropropene	8.088	75	44653	5.106	ug/l #	47
37) Ethyl Acetate	7.340	43	26464	2.665	ug/l #	69
38) Carbon Tetrachloride	8.091	117	55960	6.195	ug/l #	16
43) Isopropyl Acetate	8.563	43	62328	3.670	ug/l #	85
45) 1,2-Dichloropropane	9.625	63	3093	0.458	ug/l #	44
48) Methyl methacrylate	9.545	41	13188	1.700	ug/l #	12
49) 1,4-Dioxane	9.606	88	26	0.230	ug/l #	20
51) 4-Methyl-2-Pentanone	10.333	43	16479	1.604	ug/l	97
54) cis-1,3-Dichloropropene	10.247	75	83403	7.811	ug/l #	64
56) Ethyl methacrylate	10.872	69	494	0.749	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	48300	4.388	ug/l #	43
59) 2-Hexanone	11.092	43	860122	116.442	ug/l #	51
76) 1,2,3-Trichloropropane	12.733	75	224255	27.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	224255	76.988	ug/l #	6
95) Naphthalene	15.507	128	99221	7.591	ug/l	100

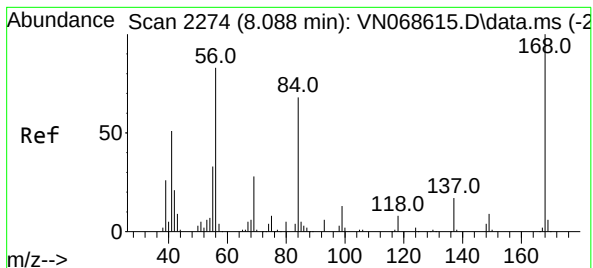
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

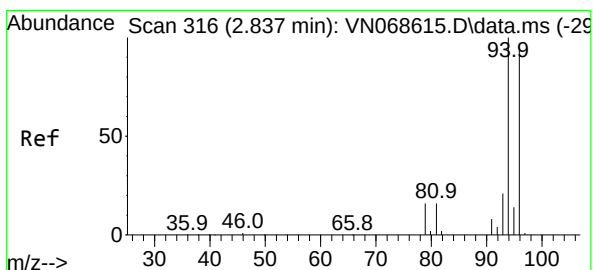
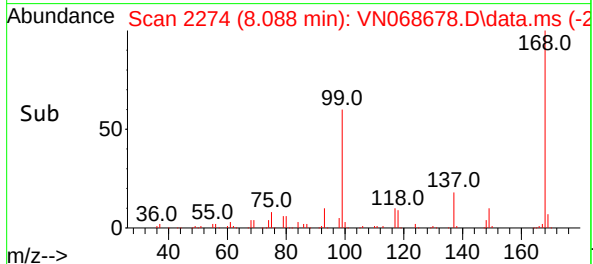
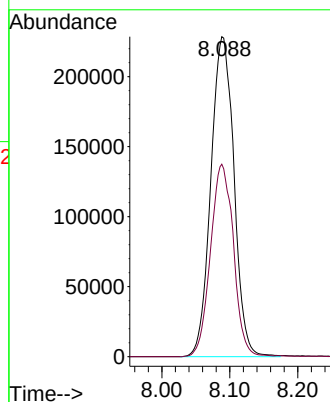
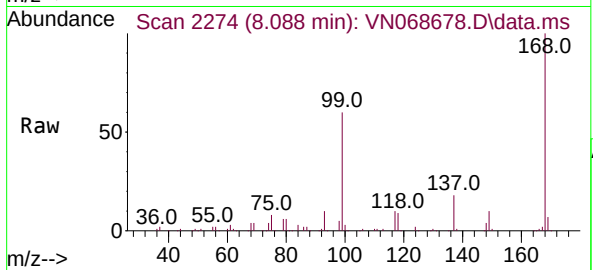
Lab File: VN068678.D

Acq: 25 Sep 2021 19:41

Tgt Ion:168 Resp: 540202

Ion Ratio Lower Upper

168 100
99 60.2 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.853 min Scan# 322

Delta R.T. 0.016 min

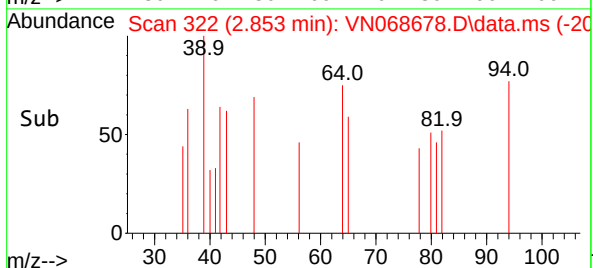
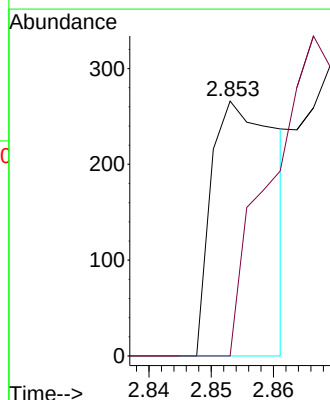
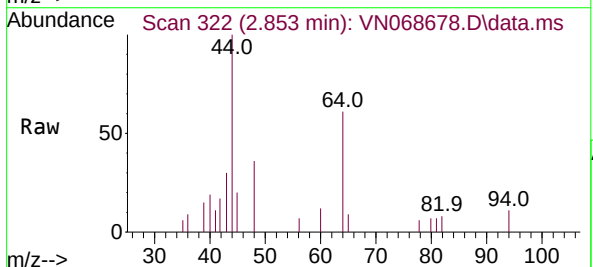
Lab File: VN068678.D

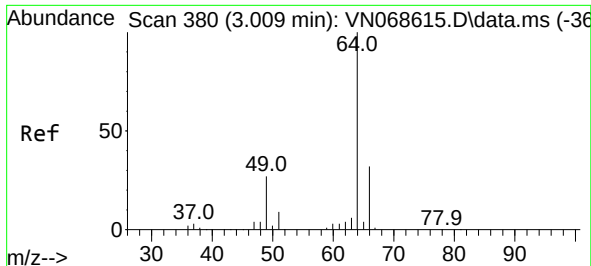
Acq: 25 Sep 2021 19:41

Tgt Ion: 94 Resp: 194

Ion Ratio Lower Upper

94 100
96 0.0 73.7 110.5#

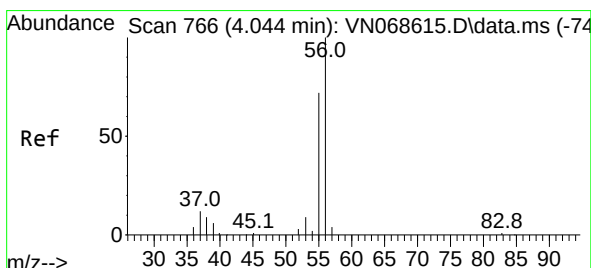
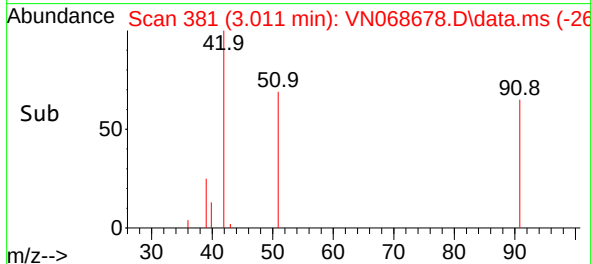
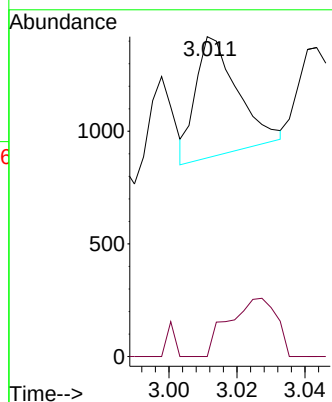
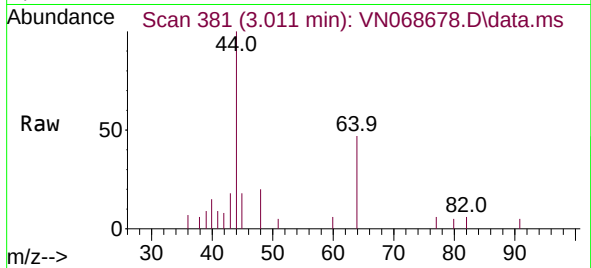




#6
Chloroethane
Concen: Below Cal
RT: 3.011 min Scan# 381
Delta R.T. 0.002 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

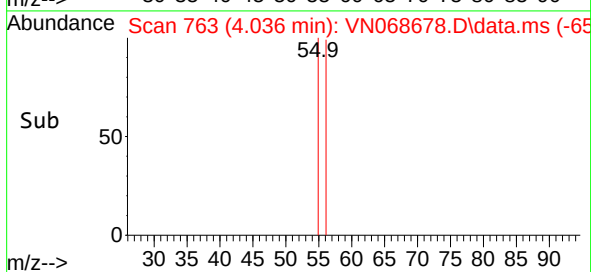
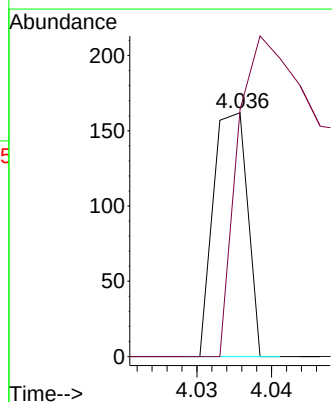
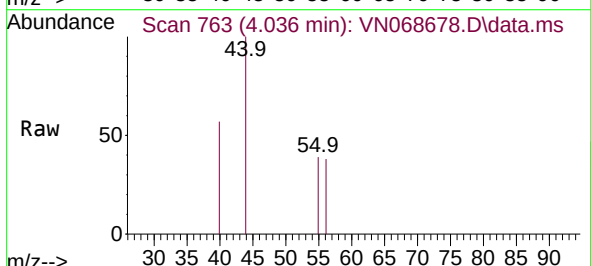
Instrument :
MSVOA_N
ClientSampled :
TP-2

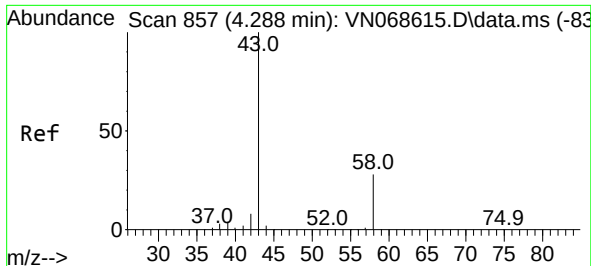
Tgt Ion: 64 Resp: 456
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: 6.946 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.008 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 286.3 57.4 86.0#

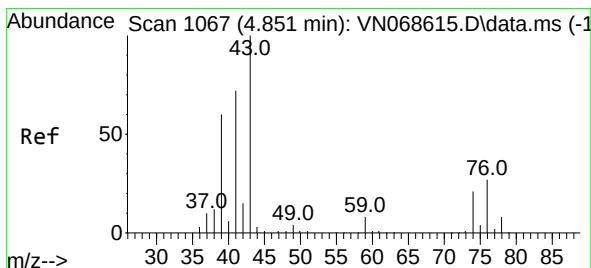
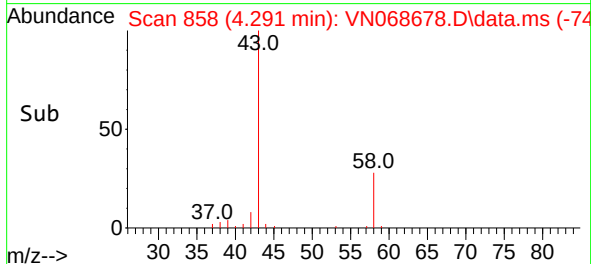
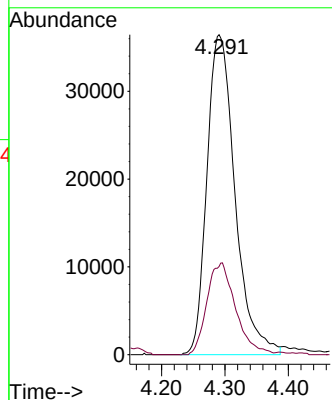
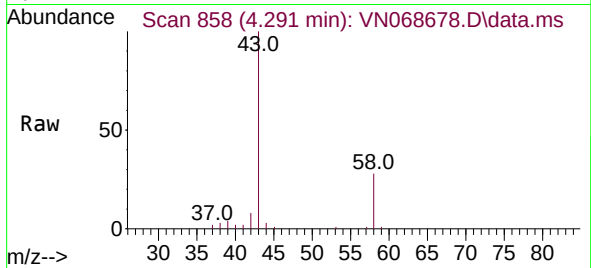




#16
Acetone
Concen: 26.468 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

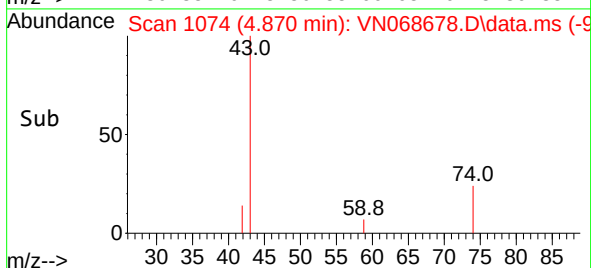
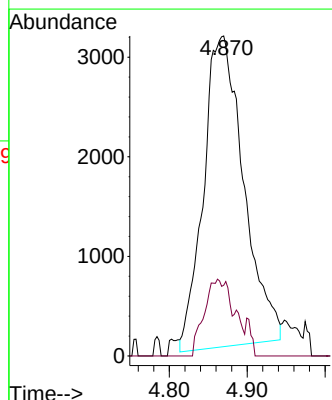
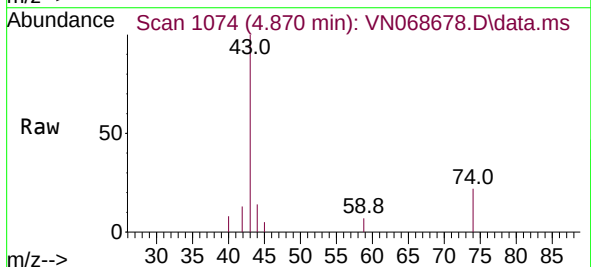
Instrument :
MSVOA_N
ClientSampled :
TP-2

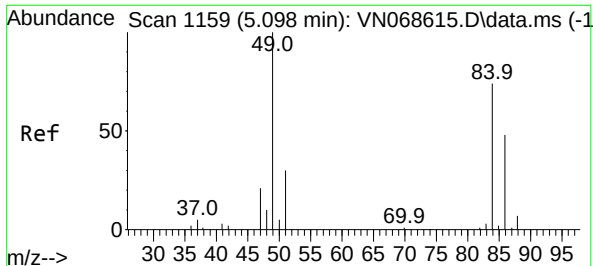
Tgt Ion: 43 Resp: 112334
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8



#18
Methyl Acetate
Concen: 0.903 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.019 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 43 Resp: 11203
Ion Ratio Lower Upper
43 100
74 15.7 17.4 26.0#

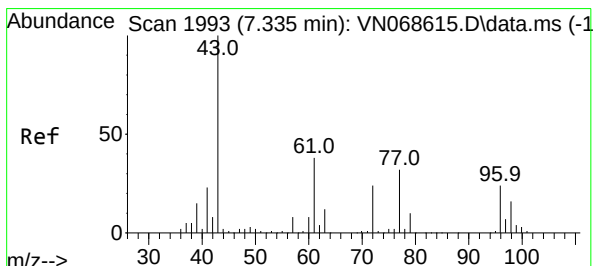
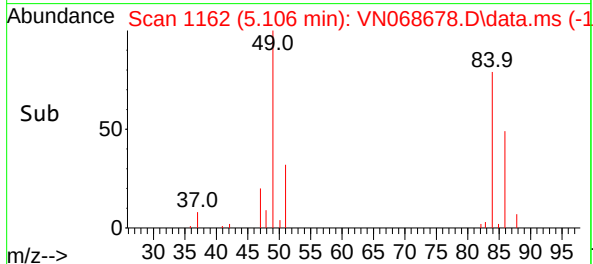
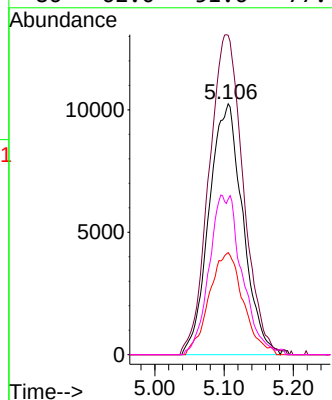
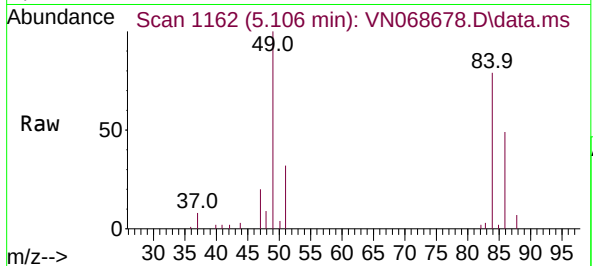




#20
Methylene Chloride
Concen: 3.586 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.008 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

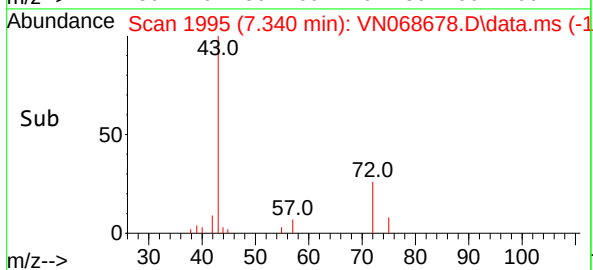
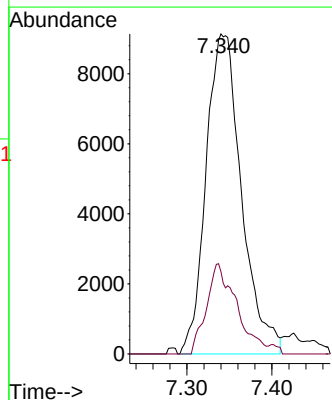
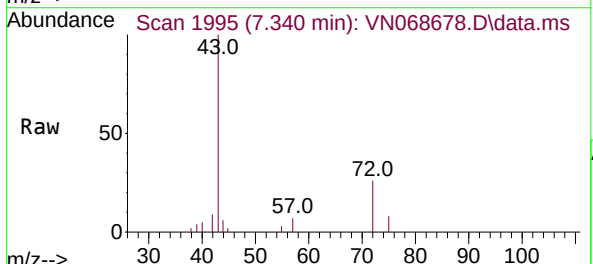
Instrument :
MSVOA_N
ClientSampled :
TP-2

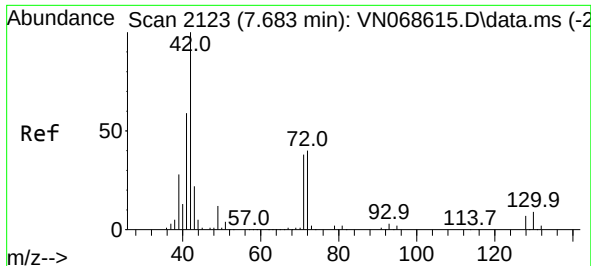
Tgt Ion:	84	Resp:	34709
Ion	Ratio	Lower	Upper
84	100		
49	127.3	110.9	166.3
51	40.7	32.6	49.0
86	62.0	51.6	77.4



#25
2-Butanone
Concen: 5.147 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion:	43	Resp:	26464
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.615 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.014 min

Lab File: VN068678.D

Acq: 25 Sep 2021 19:41

Tgt Ion: 42 Resp: 2009

Ion Ratio Lower Upper

42 100

72 41.2 32.8 49.2

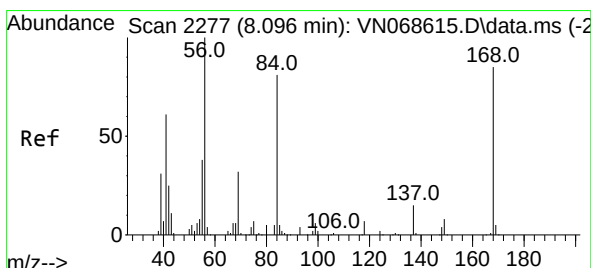
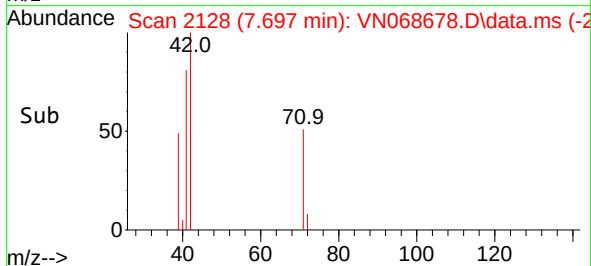
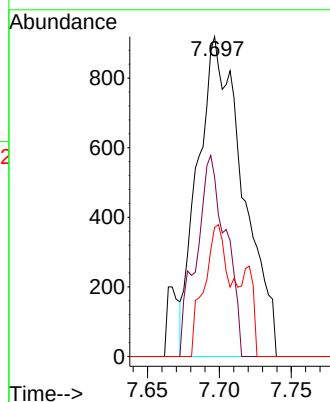
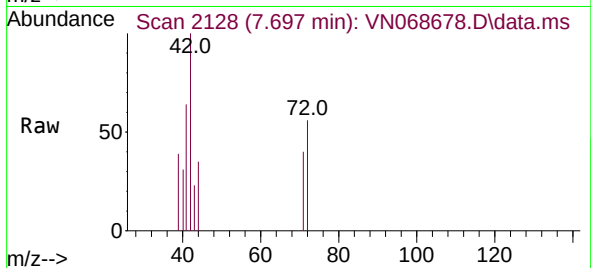
71 23.9 31.2 46.8#

Instrument :

MSVOA_N

ClientSampled :

TP-2



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.013 min

Lab File: VN068678.D

Acq: 25 Sep 2021 19:41

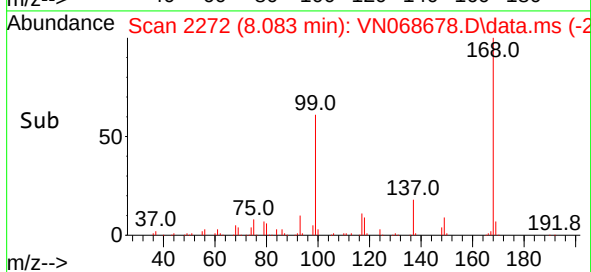
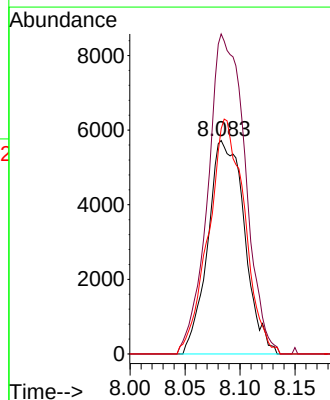
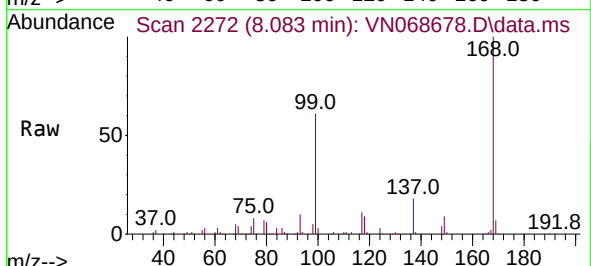
Tgt Ion: 56 Resp: 13220

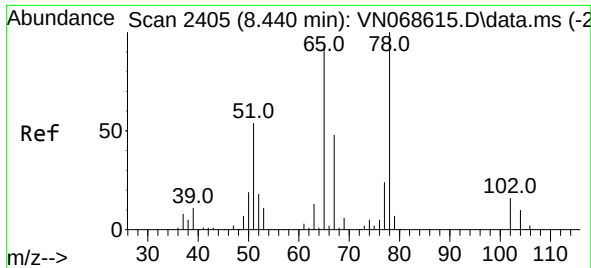
Ion Ratio Lower Upper

56 100

69 149.9 27.3 40.9#

84 105.4 64.9 97.3#

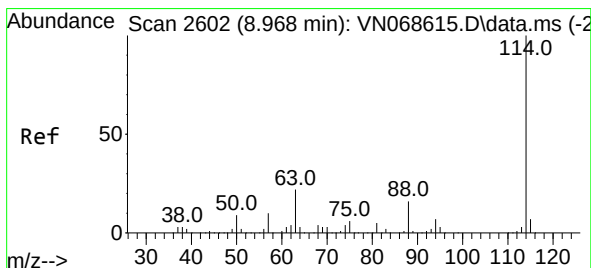
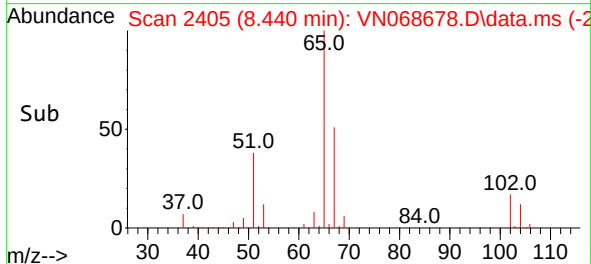
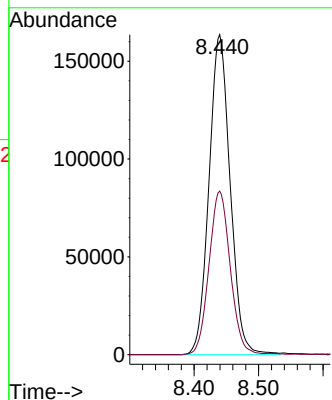
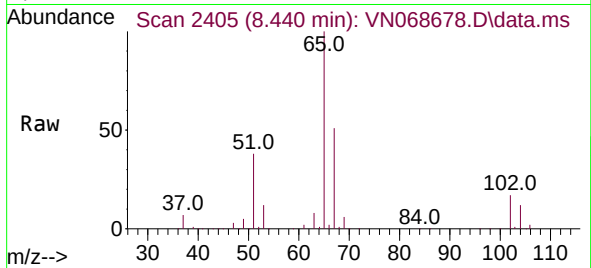




#33
 1,2-Dichloroethane-d4
 Concen: 44.173 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068678.D
 Acq: 25 Sep 2021 19:41

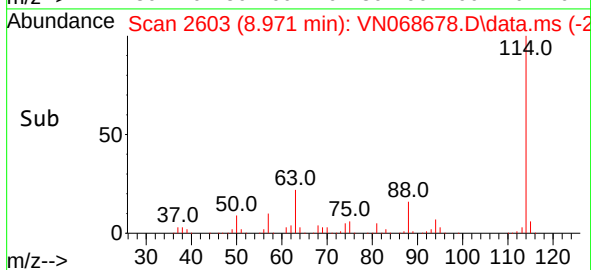
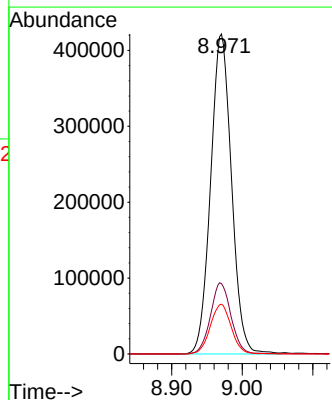
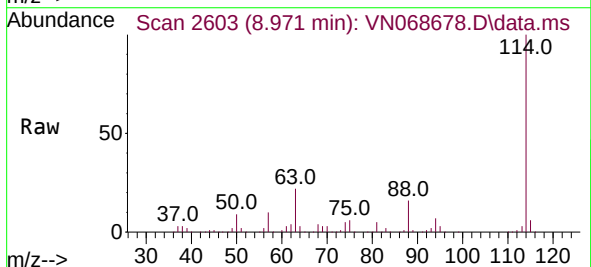
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 ClientSampled :
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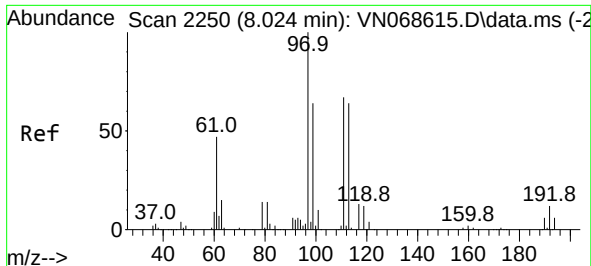
Tgt Ion: 65 Resp: 373549
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068678.D
 Acq: 25 Sep 2021 19:41

Tgt Ion: 114 Resp: 865949
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 49.0
 88 15.6 0.0 36.6

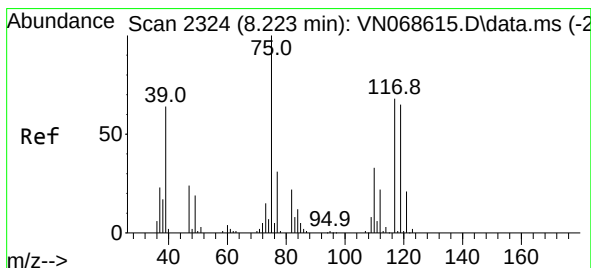
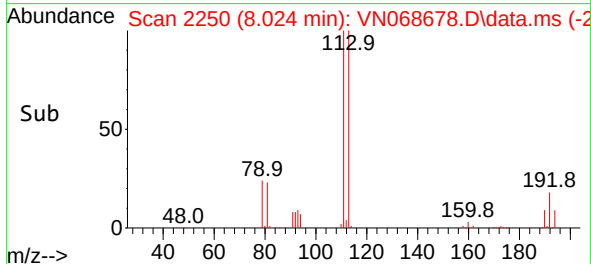
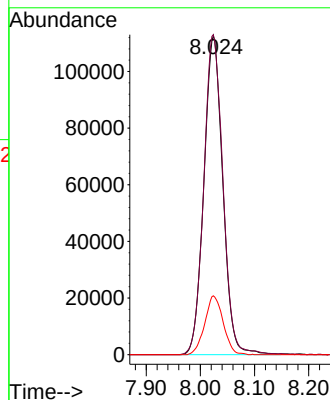
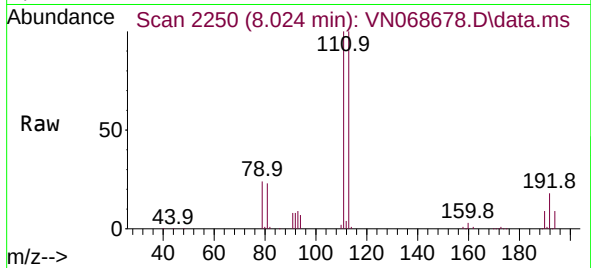




#35
Dibromofluoromethane
Concen: 47.060 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

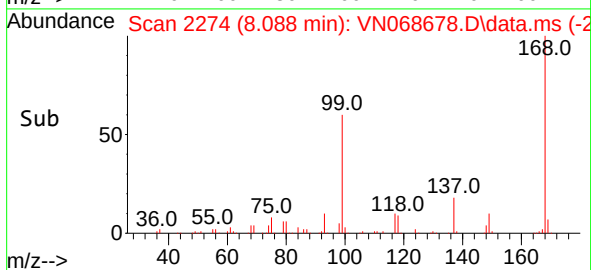
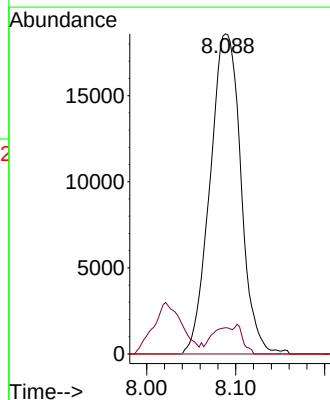
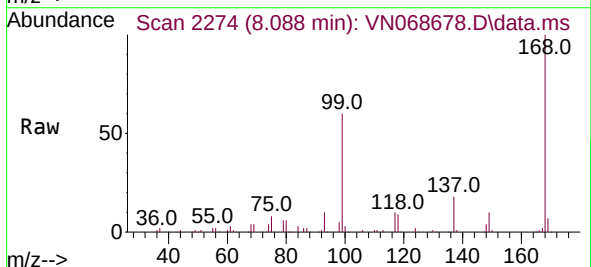
Instrument :
MSVOA_N
ClientSampled :
TP-2

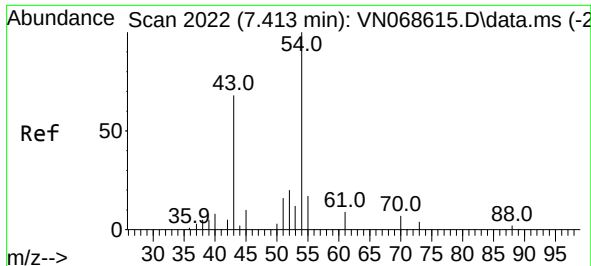
Tgt Ion:113 Resp: 273102
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.8
192 18.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.106 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 75 Resp: 44653
Ion Ratio Lower Upper
75 100
110 3.7 15.7 47.0#
77 0.0 24.6 37.0#

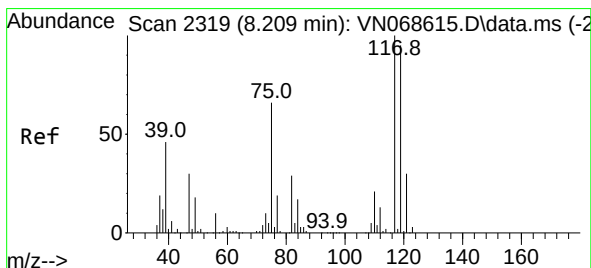
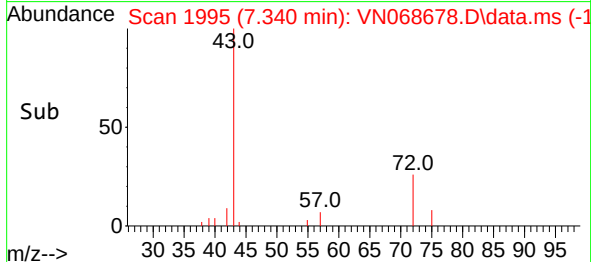
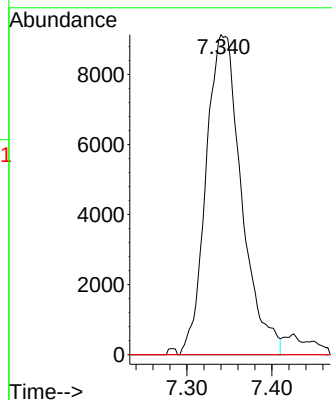
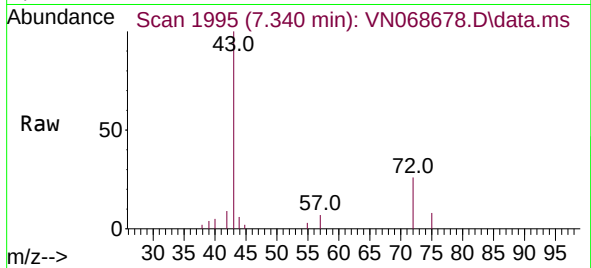




#37
Ethyl Acetate
Concen: 2.665 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.073 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

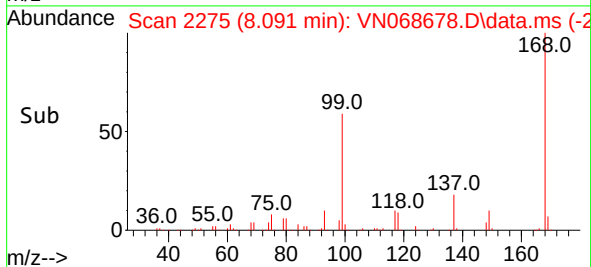
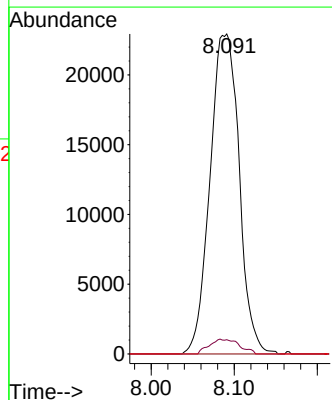
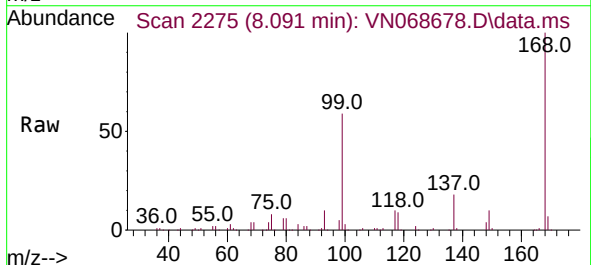
Instrument :
MSVOA_N
ClientSampled :
TP-2

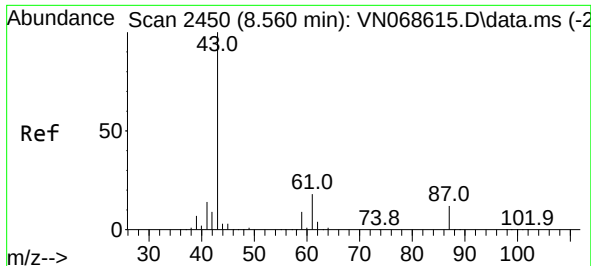
Tgt Ion:	43	Resp:	26464
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 6.195 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion:	117	Resp:	55960
Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.4	113.2#
121	0.0	23.5	35.3#

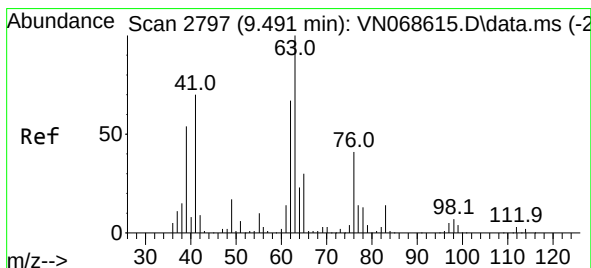
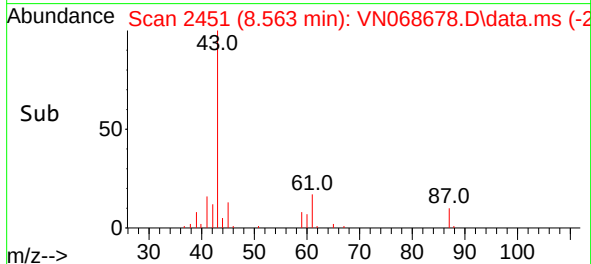
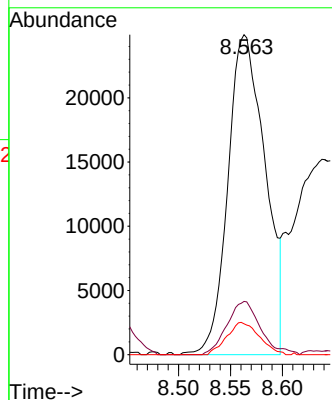
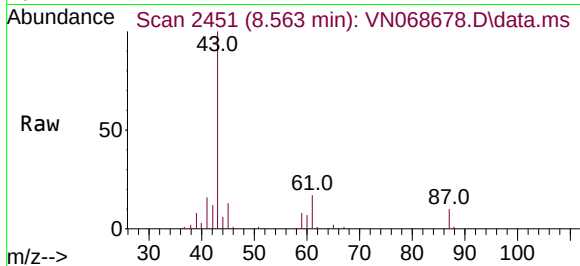




#43
Isopropyl Acetate
Concen: 3.670 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

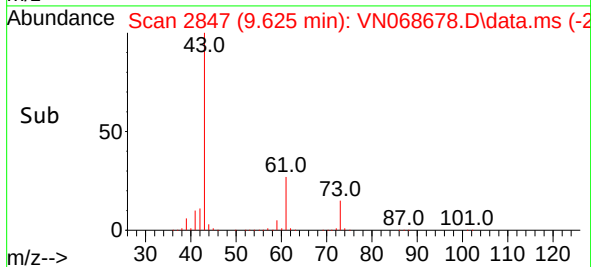
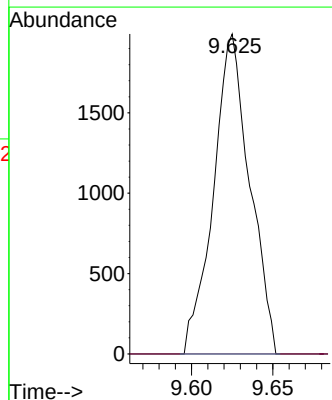
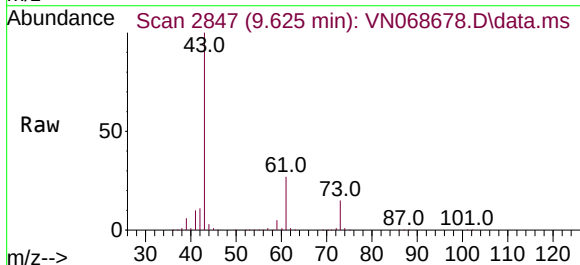
Instrument :
MSVOA_N
ClientSampled :
TP-2

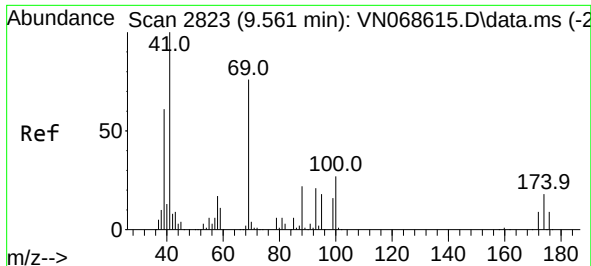
Tgt Ion: 43 Resp: 62328
Ion Ratio Lower Upper
43 100
61 14.9 19.0 28.4#
87 8.8 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.458 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 63 Resp: 3093
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

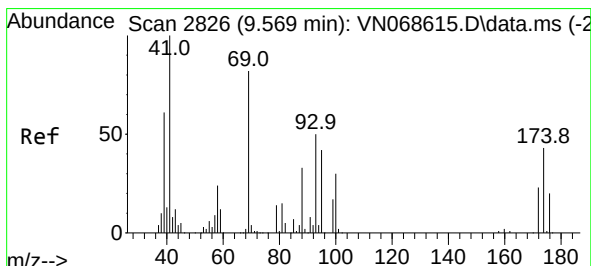
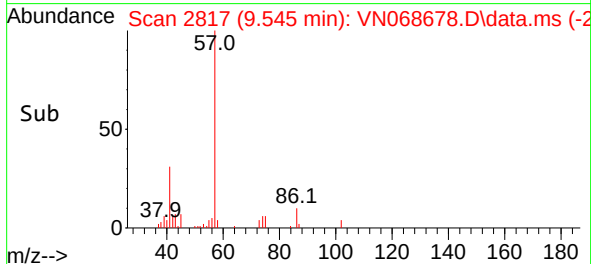
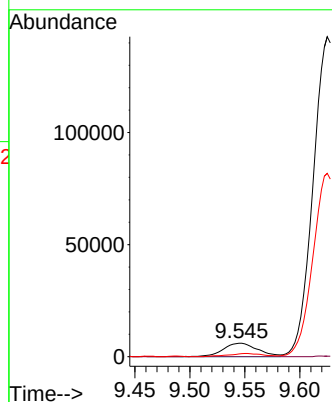
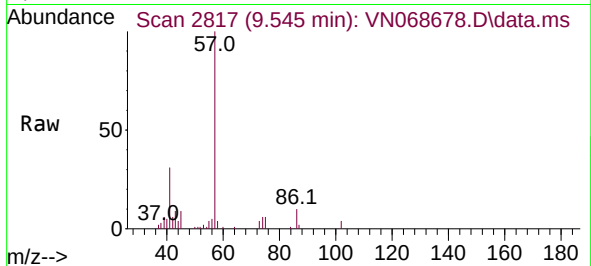




#48
Methyl methacrylate
Concen: 1.700 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

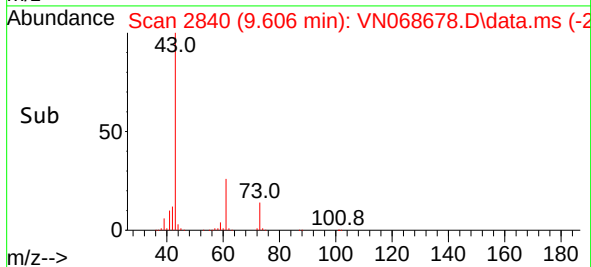
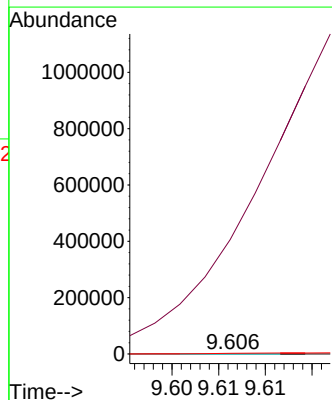
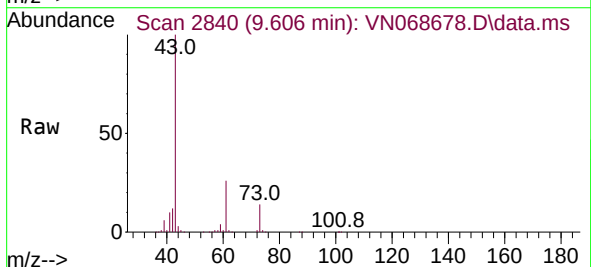
Instrument :
MSVOA_N
ClientSampled :
TP-2

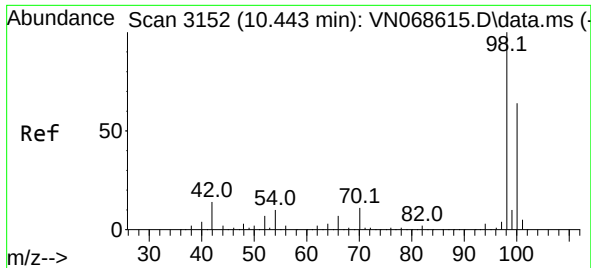
Tgt Ion: 41 Resp: 13188
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.230 ug/l
RT: 9.606 min Scan# 2840
Delta R.T. 0.037 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

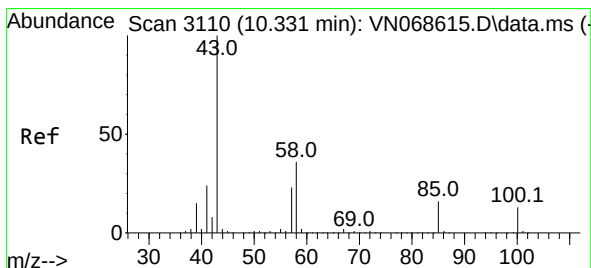
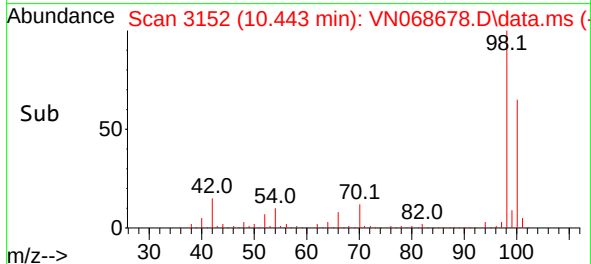
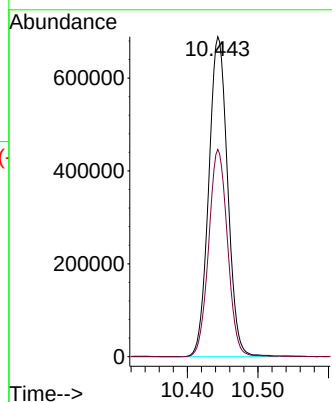
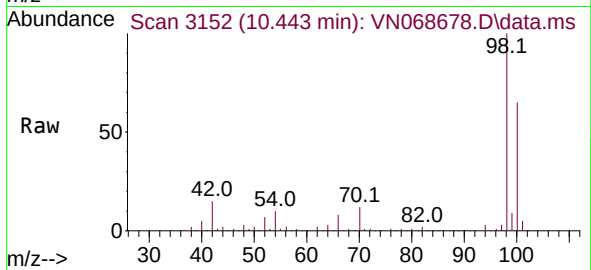




#50
Toluene-d8
Concen: 52.231 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

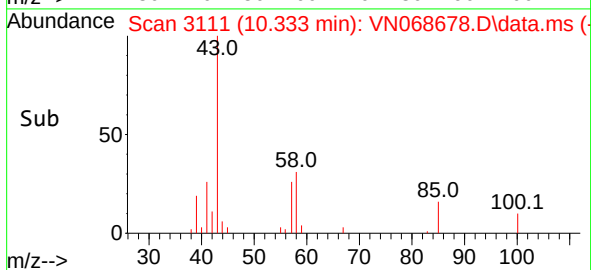
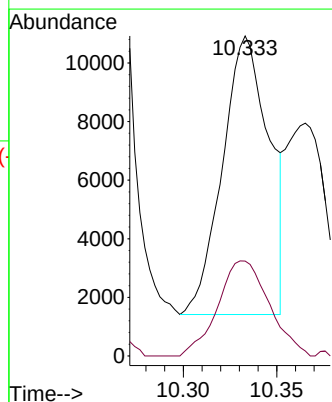
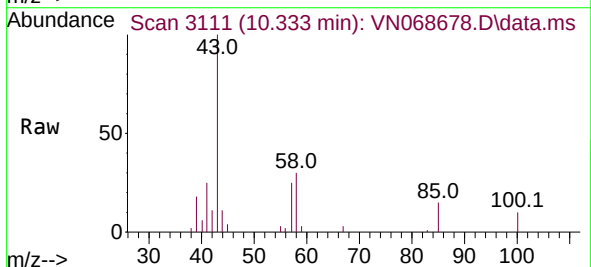
Instrument :
MSVOA_N
ClientSampled :
TP-2

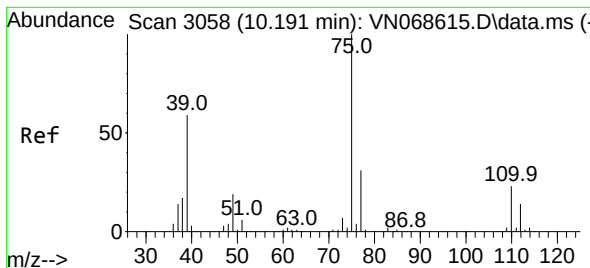
Tgt Ion: 98 Resp: 1282746
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.604 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 43 Resp: 16479
Ion Ratio Lower Upper
43 100
58 37.6 28.6 43.0

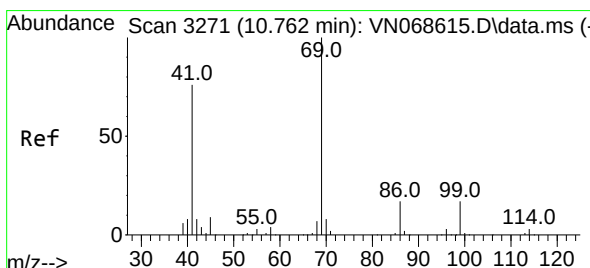
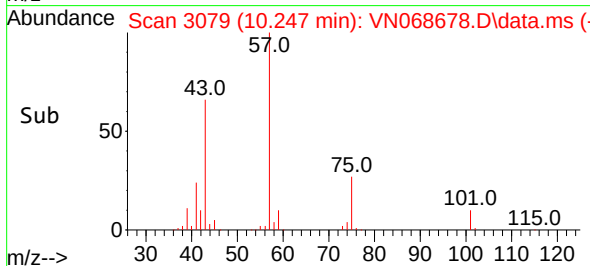
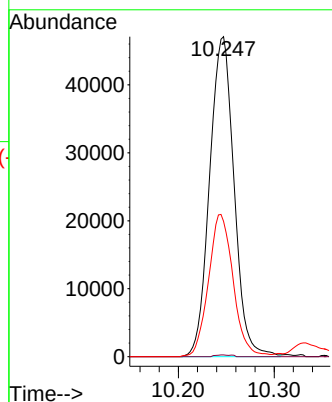
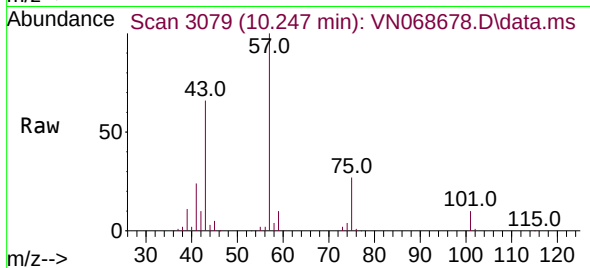




#54
cis-1,3-Dichloropropene
Concen: 7.811 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

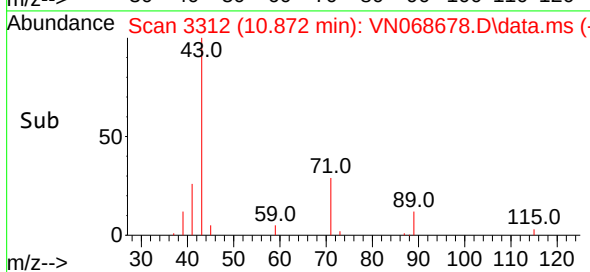
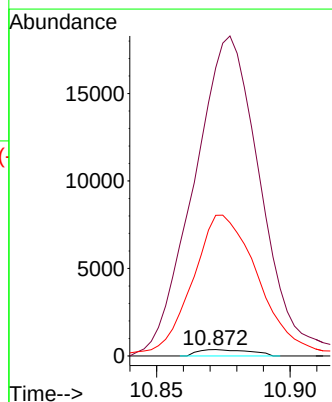
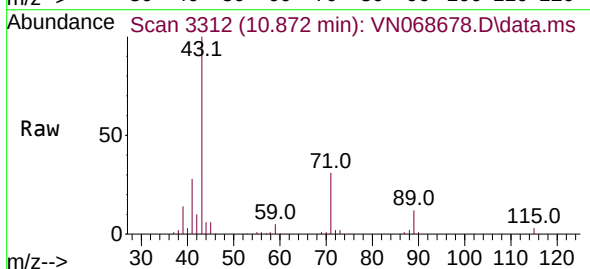
Instrument :
MSVOA_N
ClientSampled :
TP-2

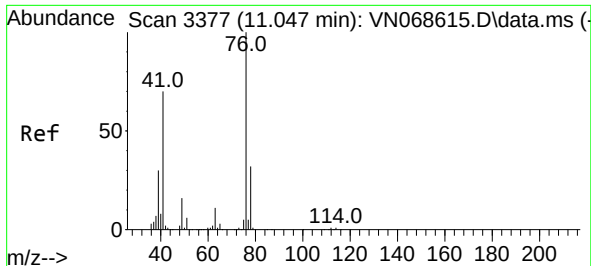
Tgt Ion: 75 Resp: 83403
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 42.3 50.7 76.1#



#56
Ethyl methacrylate
Concen: 0.749 ug/l
RT: 10.872 min Scan# 3312
Delta R.T. 0.110 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 69 Resp: 494
Ion Ratio Lower Upper
69 100
41 6416.2 58.6 88.0#
39 2838.5 38.3 57.5#

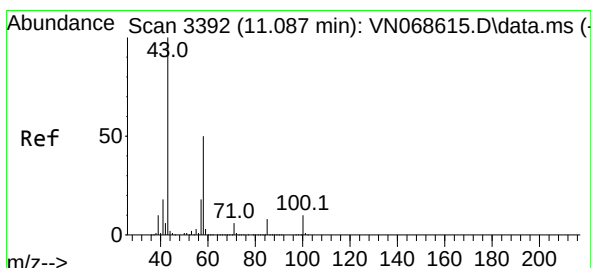
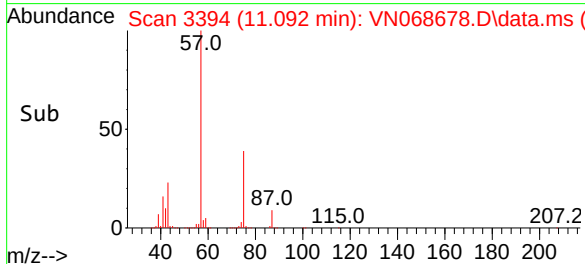
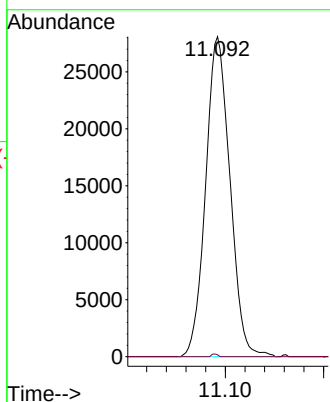
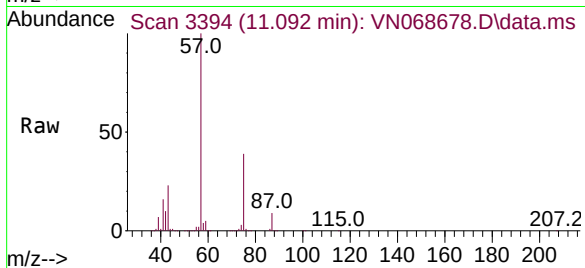




#57
1,3-Dichloropropane
Concen: 4.388 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

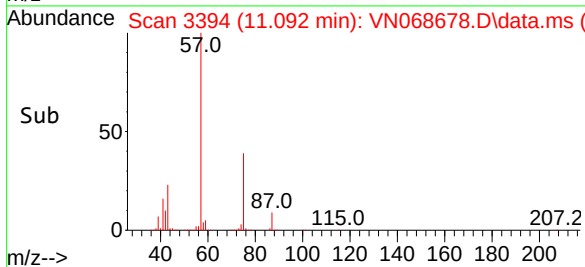
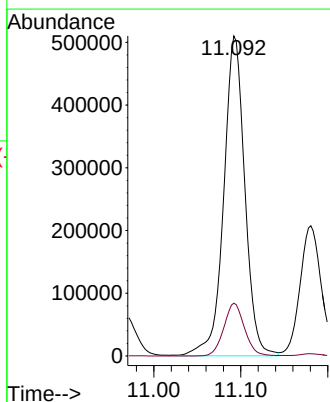
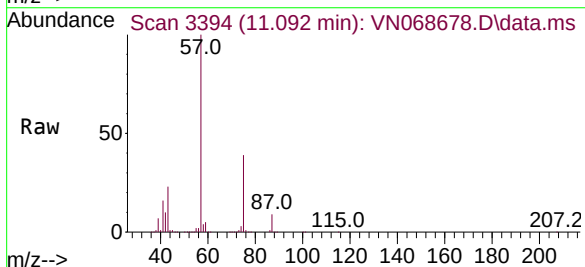
Instrument :
MSVOA_N
ClientSampled :
TP-2

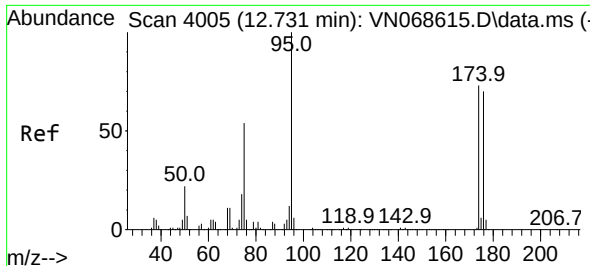
Tgt Ion: 76 Resp: 48300
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 116.442 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 43 Resp: 860122
Ion Ratio Lower Upper
43 100
58 16.2 24.7 74.1#

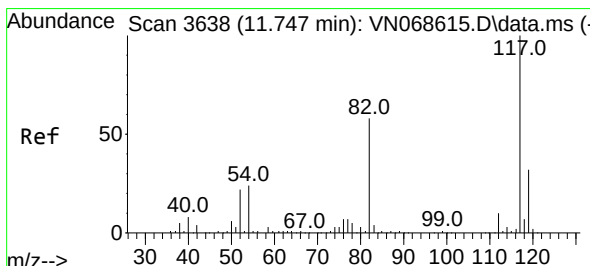
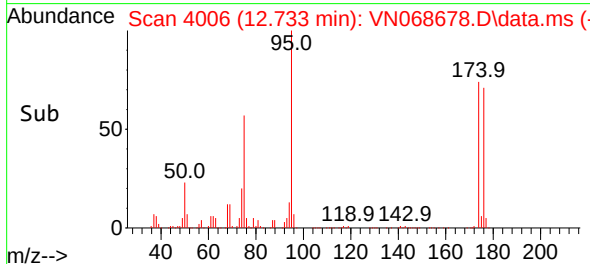
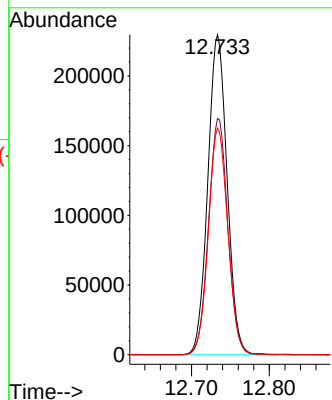
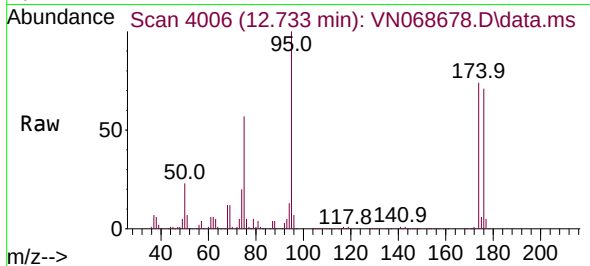




#62
4-Bromofluorobenzene
Concen: 47.053 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

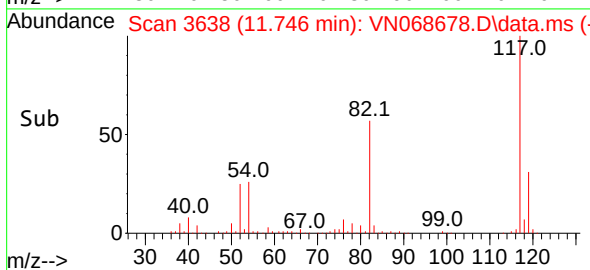
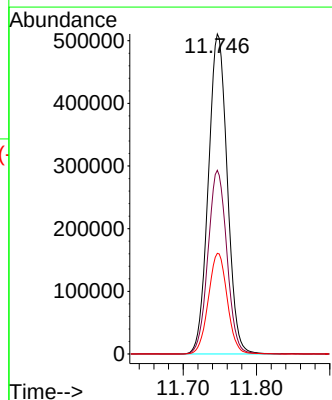
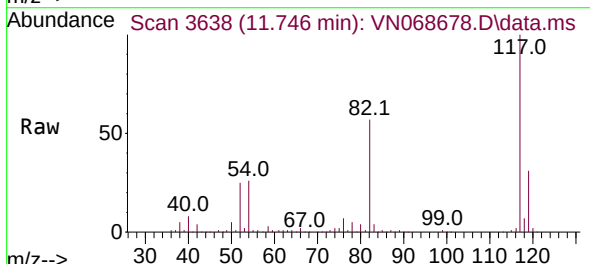
Instrument :
MSVOA_N
ClientSampled :
TP-2

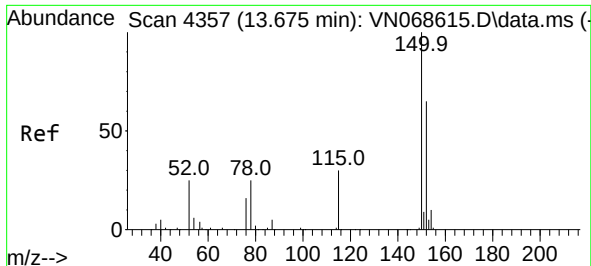
Tgt Ion: 95 Resp: 395208
Ion Ratio Lower Upper
95 100
174 73.9 0.0 122.0
176 71.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 117 Resp: 916381
Ion Ratio Lower Upper
117 100
82 57.4 53.1 79.7
119 31.4 25.5 38.3

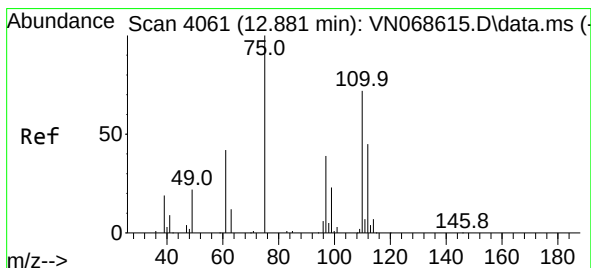
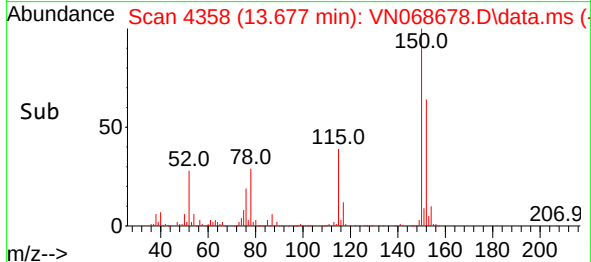
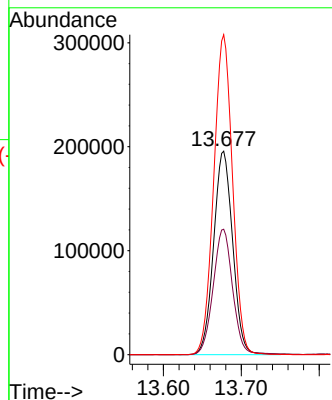
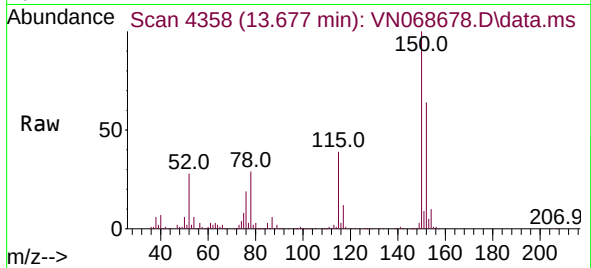




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

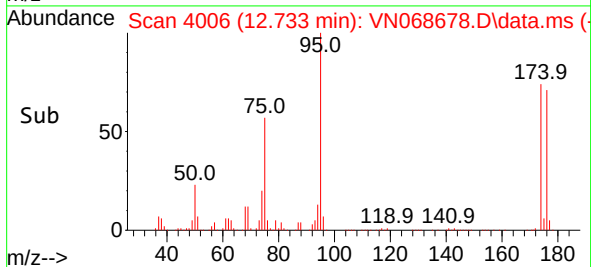
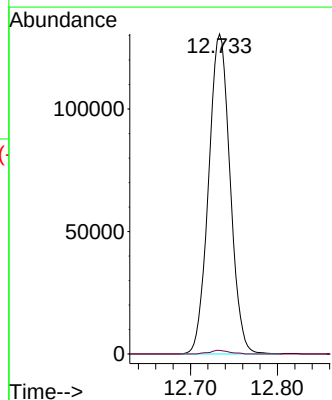
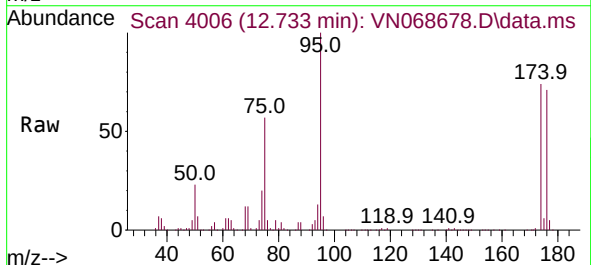
Instrument :
MSVOA_N
ClientSampled :
TP-2

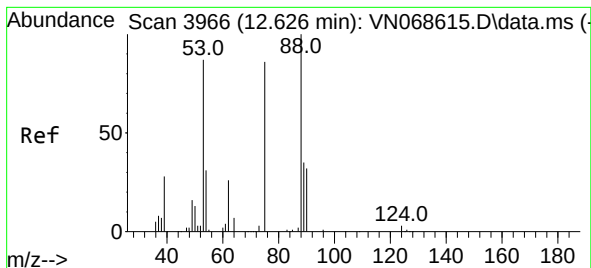
Tgt Ion:152 Resp: 332774
Ion Ratio Lower Upper
152 100
115 63.2 36.1 108.5
150 155.1 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.255 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068678.D
Acq: 25 Sep 2021 19:41

Tgt Ion: 75 Resp: 224255
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

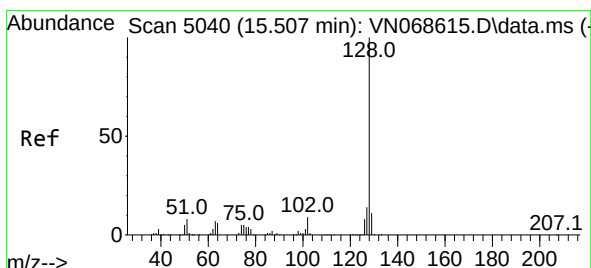
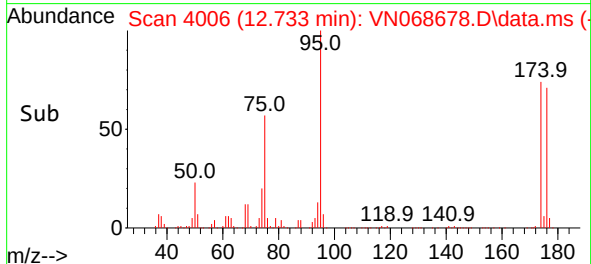
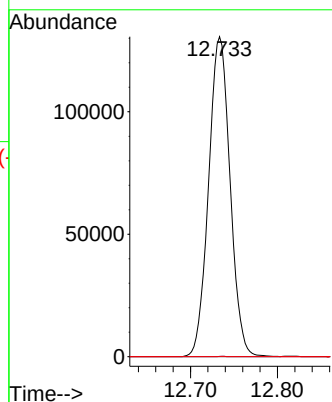
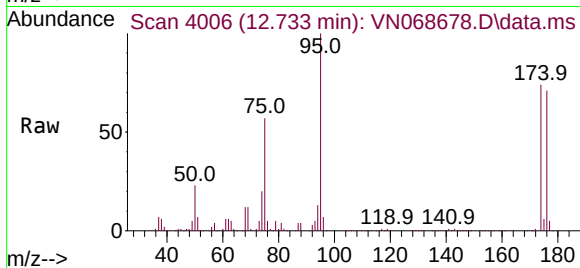




#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.988 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN068678.D
 Acq: 25 Sep 2021 19:41

Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

Tgt Ion: 75 Resp: 224255
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#



#95
 Naphthalene
 Concen: 7.591 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. -0.000 min
 Lab File: VN068678.D
 Acq: 25 Sep 2021 19:41

Tgt Ion: 128 Resp: 99221
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 10.8 8.6 12.8

