

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068675.D
 Acq On : 25 Sep 2021 18:25
 Operator : JC/MD
 Sample : M3870-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C

Quant Time: Sep 27 04:46:52 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)

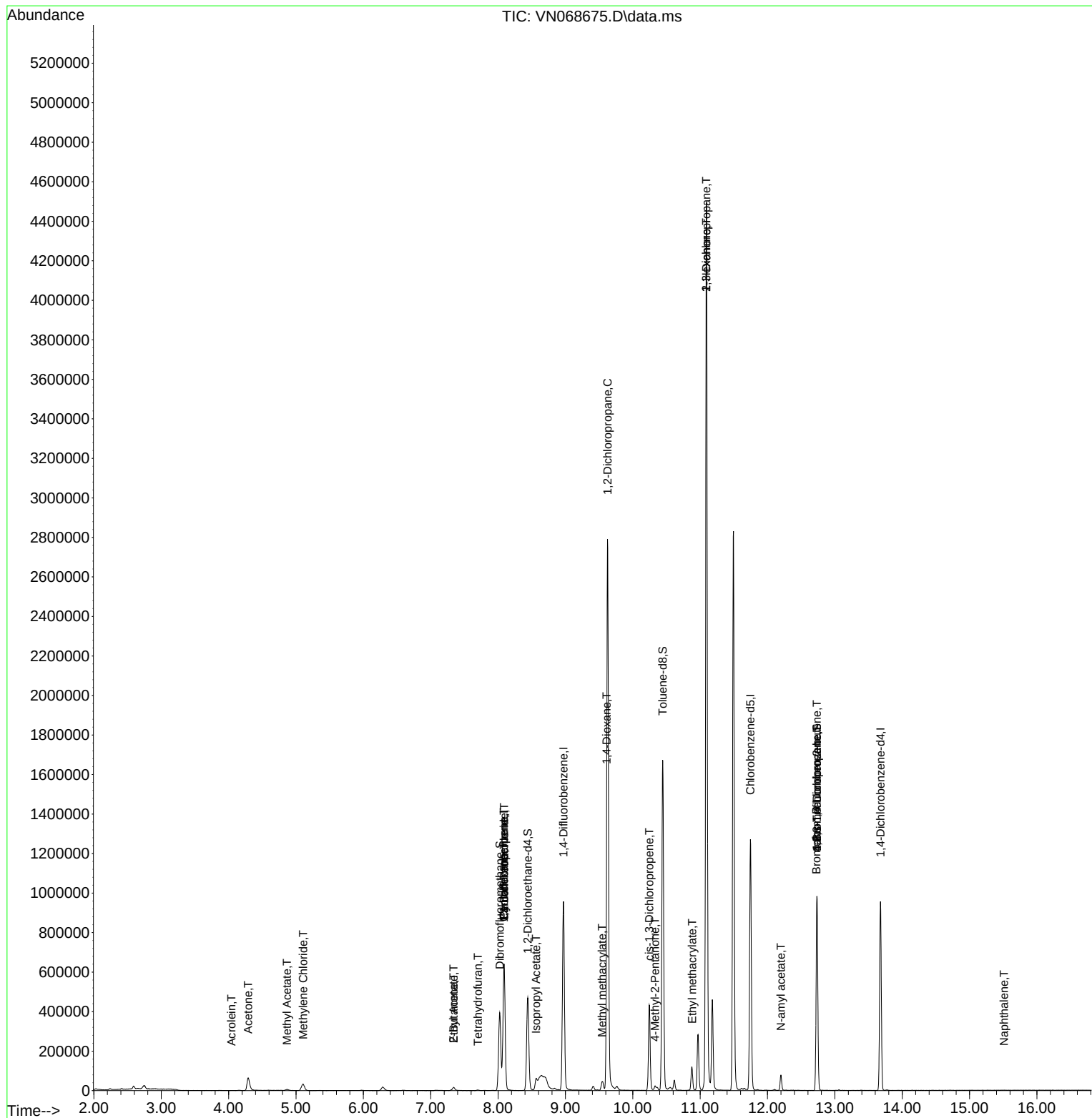
Internal Standards						
1) Pentafluorobenzene	8.088	168	479754	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	812647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	731052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	257232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	390912	52.273	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	104.540%	
35) Dibromofluoromethane	8.027	113	286716	52.752	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	105.500%	
50) Toluene-d8	10.443	98	1158029	50.246	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	100.500%	
62) 4-Bromofluorobenzene	12.733	95	329772	41.837	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	83.680%	
Target Compounds						
						Qvalue
5) Bromomethane	2.872	94	401	Below Cal	#	79
6) Chloroethane	3.009	64	356	Below Cal	#	44
13) Acrolein	4.041	56	99	7.091	ug/l #	1
16) Acetone	4.291	43	120722	34.555	ug/l	94
18) Methyl Acetate	4.867	43	13355	1.212	ug/l #	80
20) Methylene Chloride	5.106	84	26085	2.717	ug/l	88
25) 2-Butanone	7.340	43	26343	5.770	ug/l	98
29) Tetrahydrofuran	7.699	42	1875	0.646	ug/l #	59
31) Cyclohexane	8.088	56	11519	1.096	ug/l #	1
36) 1,1-Dichloropropene	8.085	75	40536	4.939	ug/l #	52
37) Ethyl Acetate	7.340	43	26343	2.827	ug/l #	69
38) Carbon Tetrachloride	8.091	117	48129	5.677	ug/l #	17
43) Isopropyl Acetate	8.563	43	73939	4.639	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	2934	0.463	ug/l #	44
48) Methyl methacrylate	9.544	41	13043	1.792	ug/l #	12
49) 1,4-Dioxane	9.612	88	190	1.789	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	11906	1.235	ug/l #	85
54) cis-1,3-Dichloropropene	10.245	75	73114	7.296	ug/l #	62
56) Ethyl methacrylate	10.880	69	658	0.767	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	45009	4.357	ug/l #	43
59) 2-Hexanone	11.092	43	727829	104.995	ug/l #	53
71) Bromoform	12.728	173	1705	0.401	ug/l #	1
74) N-amyl acetate	12.197	43	25015	2.541	ug/l #	57
76) 1,2,3-Trichloropropane	12.733	75	181355	28.514	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	181355	80.544	ug/l #	6
95) Naphthalene	15.512	128	785	1.658	ug/l #	73

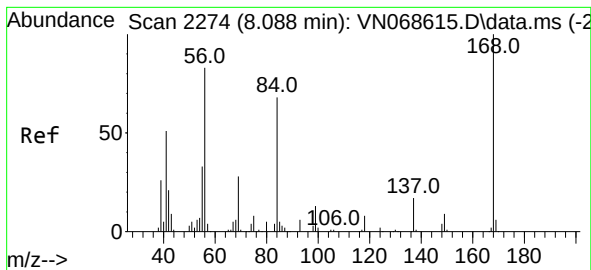
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
Data File : VN068675.D
Acq On : 25 Sep 2021 18:25
Operator : JC/MD
Sample : M3870-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-C

Quant Time: Sep 27 04:46:52 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068675.D

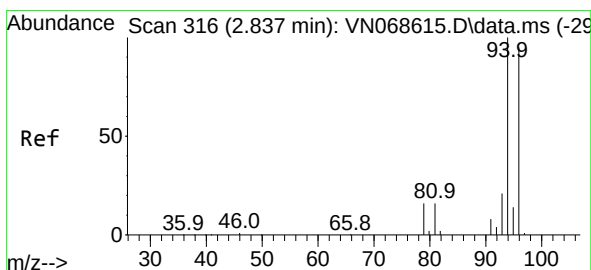
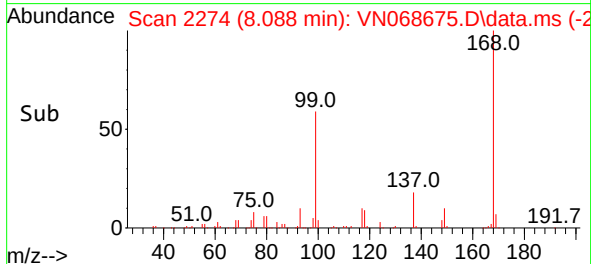
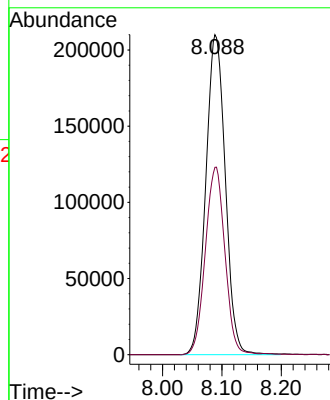
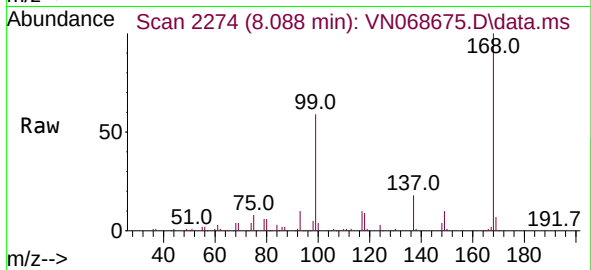
Acq: 25 Sep 2021 18:25

Tgt Ion:168 Resp: 479754

Ion Ratio Lower Upper

168 100

99 58.6 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.872 min Scan# 329

Delta R.T. 0.035 min

Lab File: VN068675.D

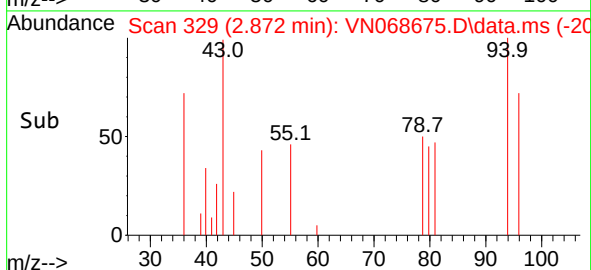
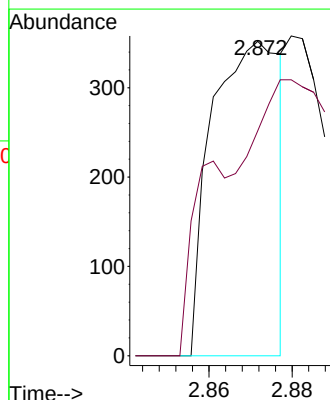
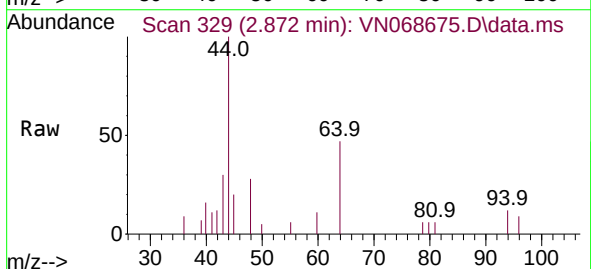
Acq: 25 Sep 2021 18:25

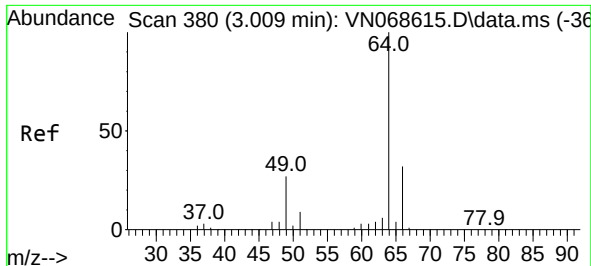
Tgt Ion: 94 Resp: 401

Ion Ratio Lower Upper

94 100

96 71.6 73.7 110.5#

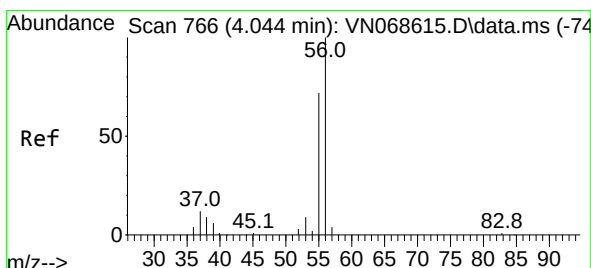
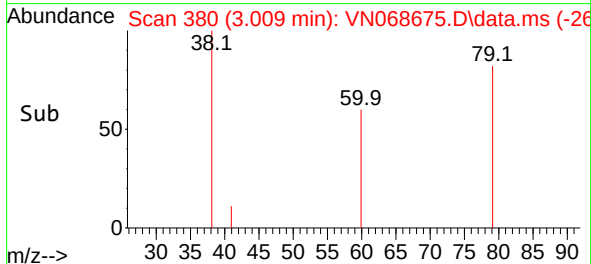
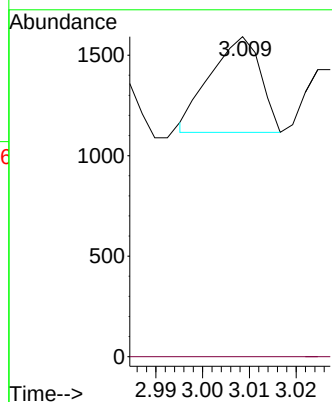
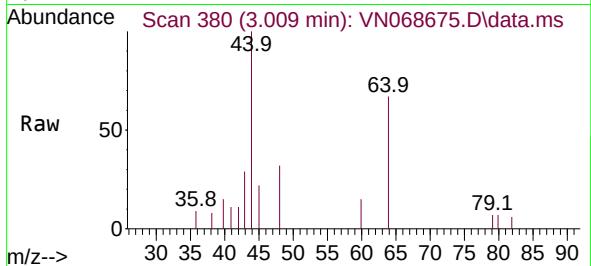




#6
Chloroethane
Concen: Below Cal
RT: 3.009 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

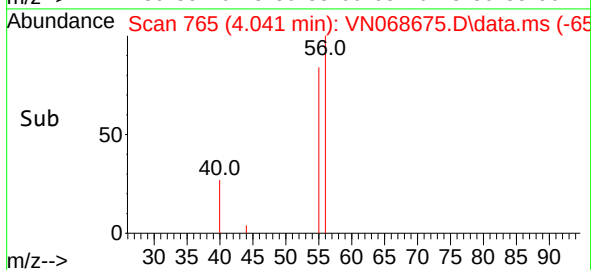
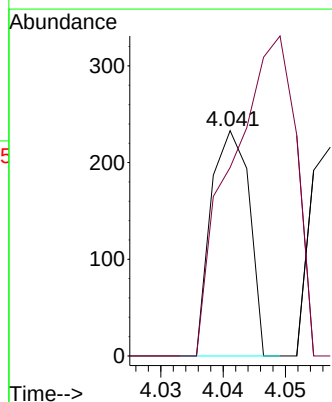
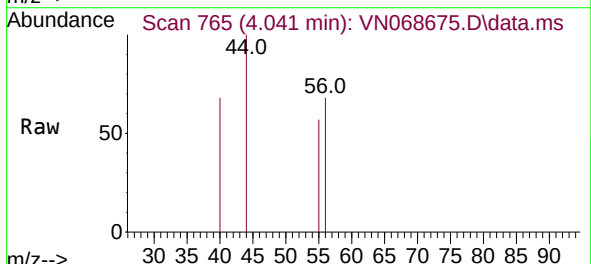
Instrument :
MSVOA_N
ClientSampleId :
TP-C

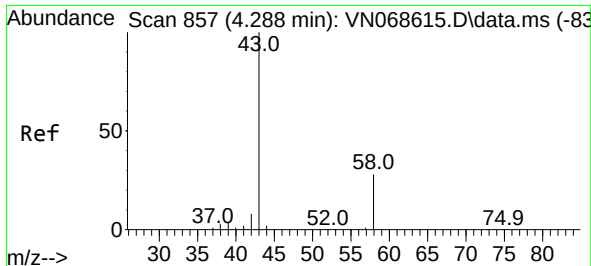
Tgt Ion: 64 Resp: 356
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: 7.091 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.003 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 238.4 57.4 86.0#

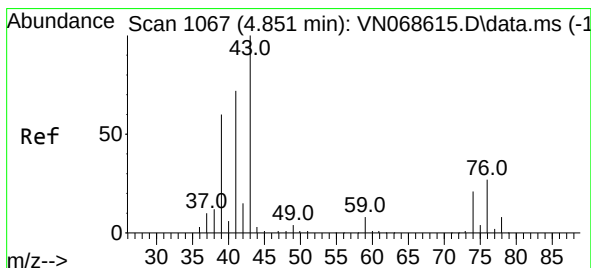
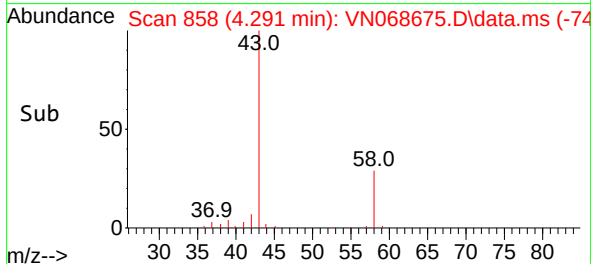
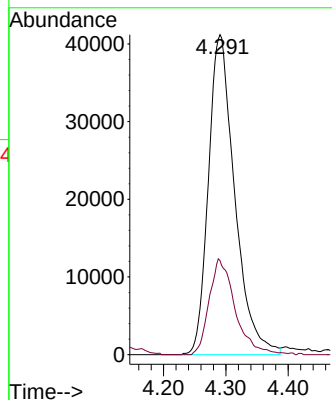
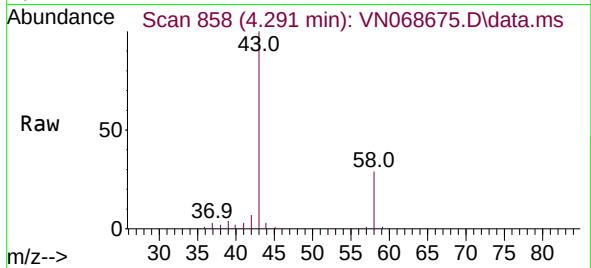




#16
Acetone
Concen: 34.555 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

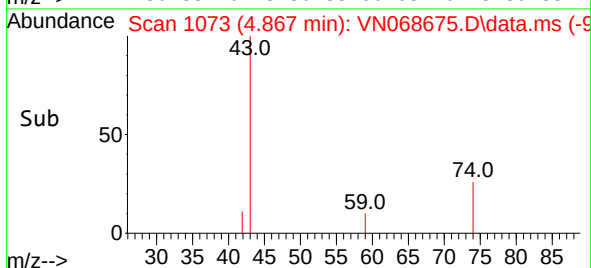
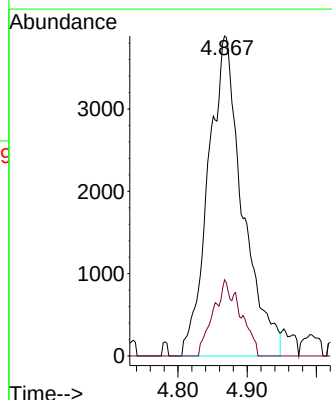
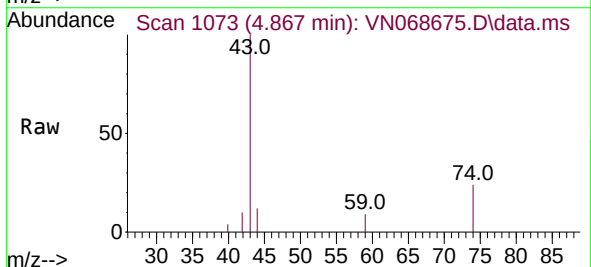
Instrument :
MSVOA_N
ClientSampleId :
TP-C

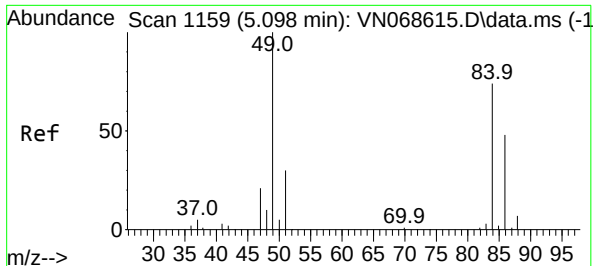
Tgt Ion: 43 Resp: 120722
Ion Ratio Lower Upper
43 100
58 29.4 21.2 31.8



#18
Methyl Acetate
Concen: 1.212 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.016 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 43 Resp: 13355
Ion Ratio Lower Upper
43 100
74 12.0 17.4 26.0#



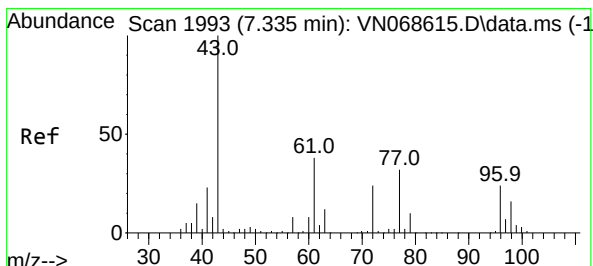
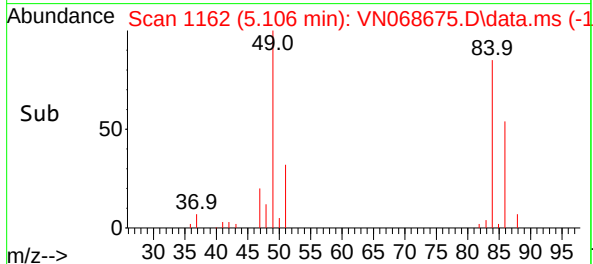
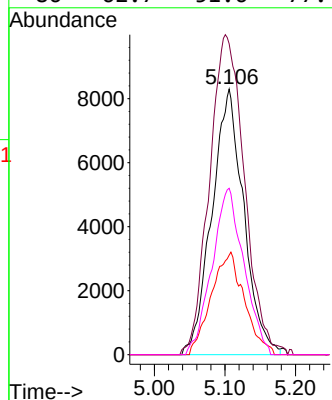
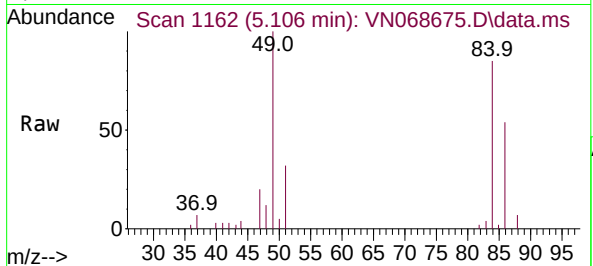


#20
Methylene Chloride
Concen: 2.717 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.008 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Instrument :
MSVOA_N
ClientSampled :
TP-C

Tgt Ion: 84 Resp: 26085

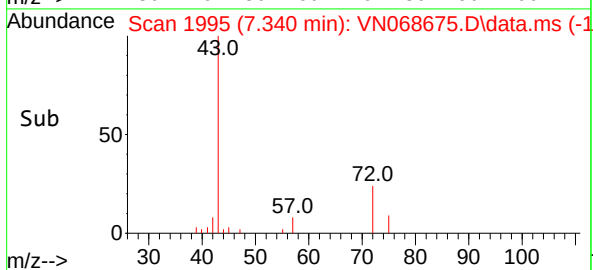
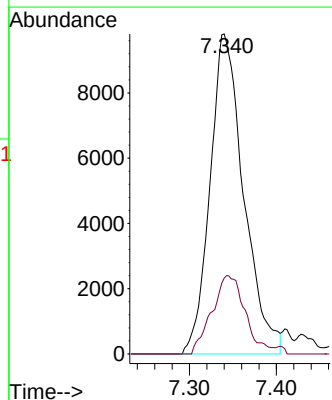
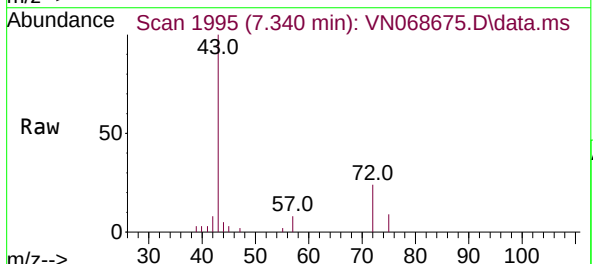
Ion	Ratio	Lower	Upper
84	100		
49	117.0	110.9	166.3
51	37.5	32.6	49.0
86	62.7	51.6	77.4

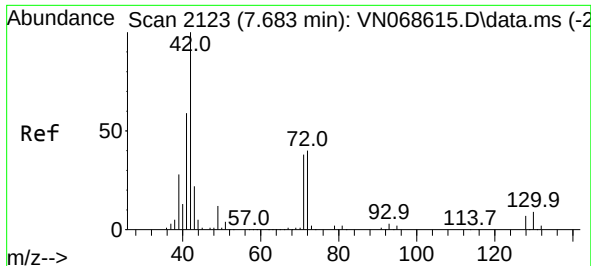


#25
2-Butanone
Concen: 5.770 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 43 Resp: 26343

Ion	Ratio	Lower	Upper
43	100		
72	23.7	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.646 ug/l

RT: 7.699 min Scan# 2129

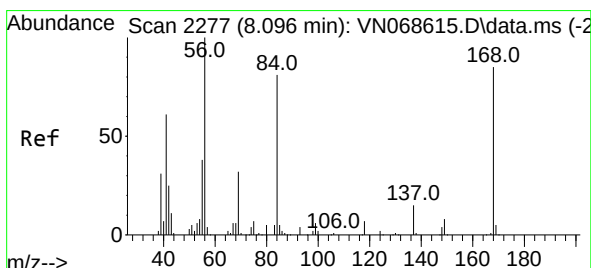
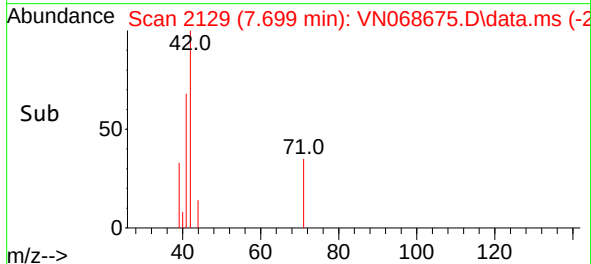
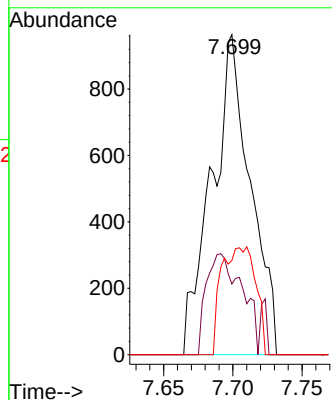
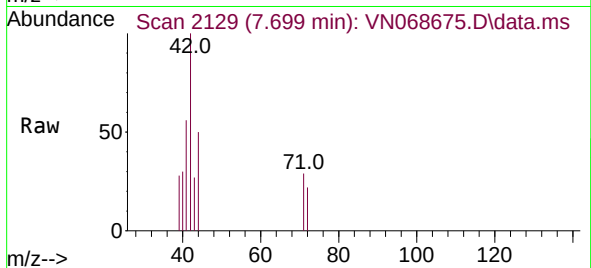
Delta R.T. 0.016 min

Lab File: VN068675.D

Acq: 25 Sep 2021 18:25

Tgt Ion:	42	Resp:	1875
Ion	Ratio	Lower	Upper
42	100		
72	29.1	32.8	49.2#
71	0.0	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :
TP-C



#31

Cyclohexane

Concen: 1.096 ug/l

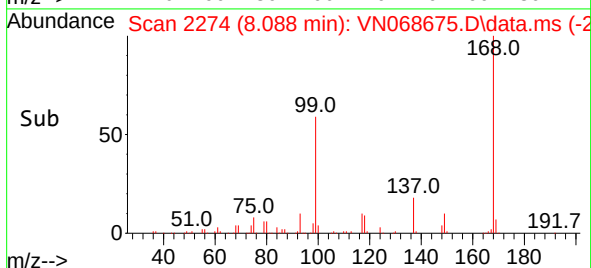
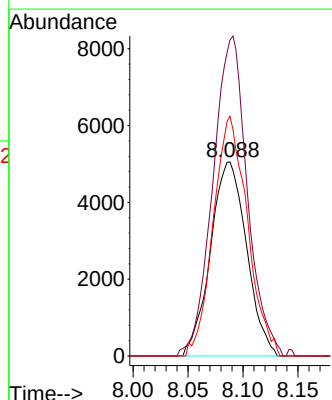
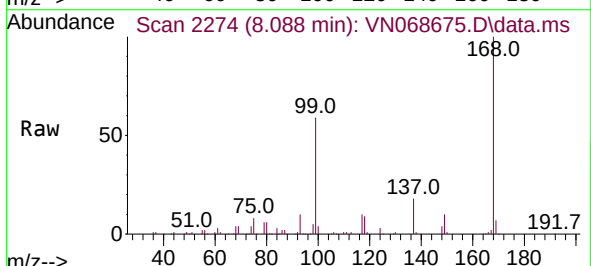
RT: 8.088 min Scan# 2274

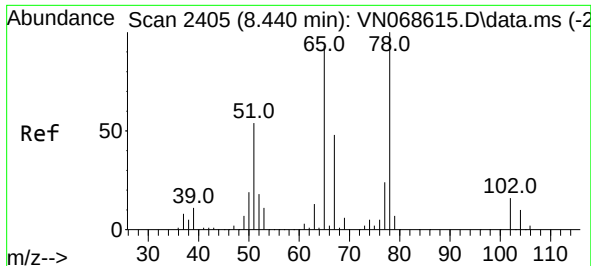
Delta R.T. -0.008 min

Lab File: VN068675.D

Acq: 25 Sep 2021 18:25

Tgt Ion:	56	Resp:	11519
Ion	Ratio	Lower	Upper
56	100		
69	159.6	27.3	40.9#
84	128.8	64.9	97.3#

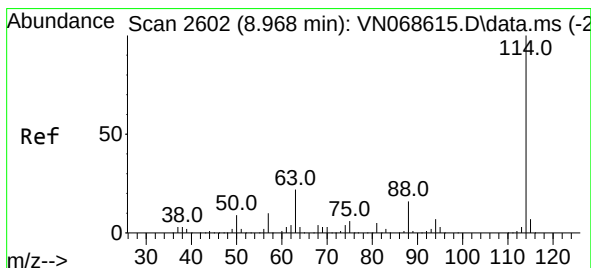
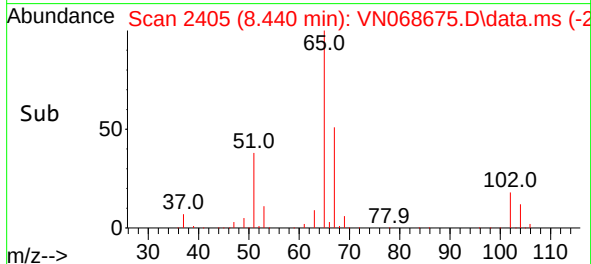
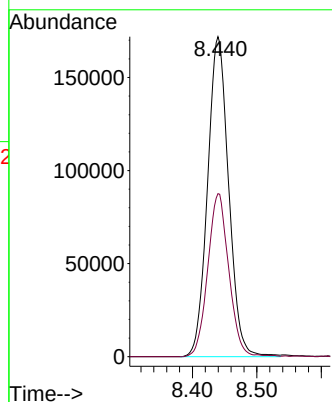
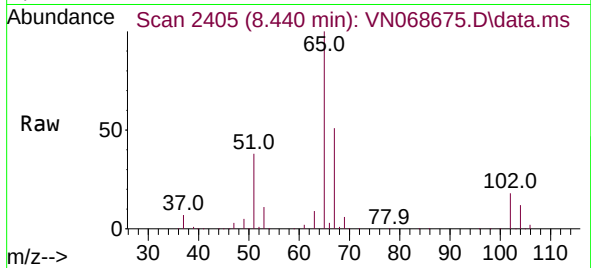




#33
 1,2-Dichloroethane-d4
 Concen: 52.273 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068675.D
 Acq: 25 Sep 2021 18:25

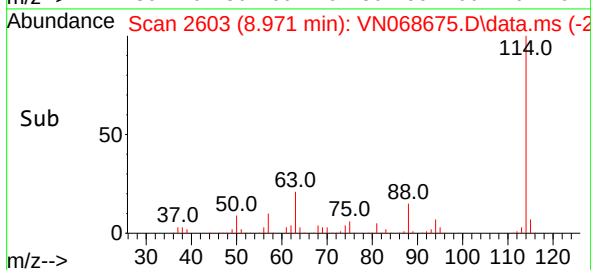
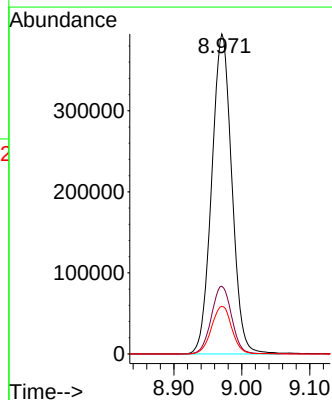
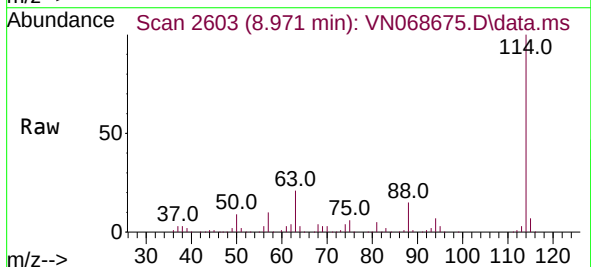
Instrument :
 MSVOA_N
 ClientSampled :
 TP-C

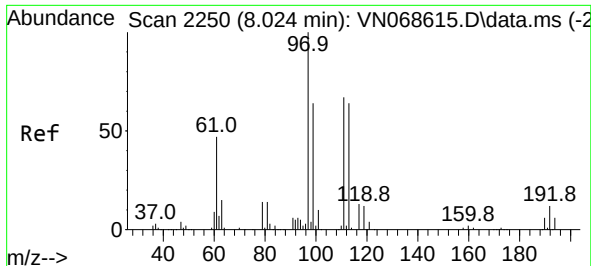
Tgt Ion: 65 Resp: 390912
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068675.D
 Acq: 25 Sep 2021 18:25

Tgt Ion: 114 Resp: 812647
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 49.0
 88 14.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 52.752 ug/l

RT: 8.027 min Scan# 2251

Delta R.T. 0.003 min

Lab File: VN068675.D

Acq: 25 Sep 2021 18:25

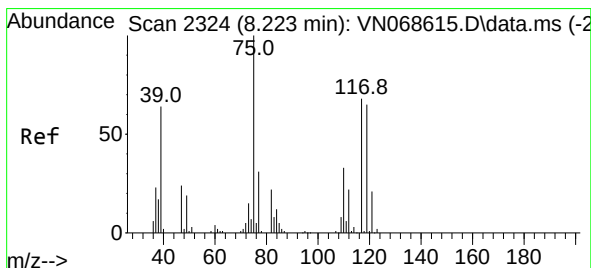
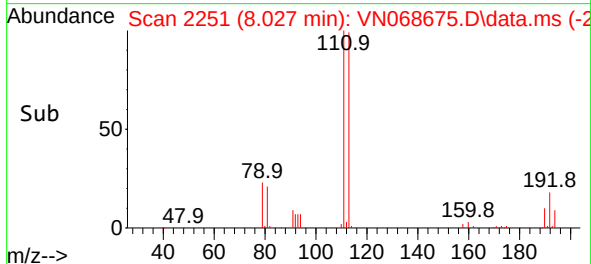
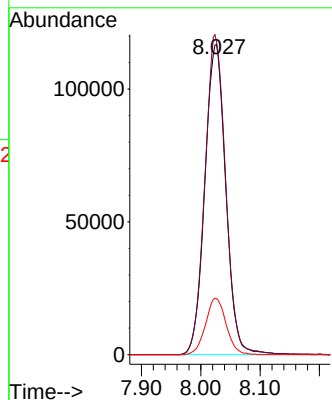
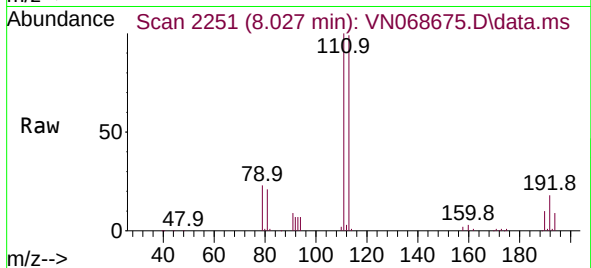
Tgt Ion: 113 Resp: 286716

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.8

192 17.9 13.4 20.0



#36

1,1-Dichloropropene

Concen: 4.939 ug/l

RT: 8.085 min Scan# 2273

Delta R.T. -0.138 min

Lab File: VN068675.D

Acq: 25 Sep 2021 18:25

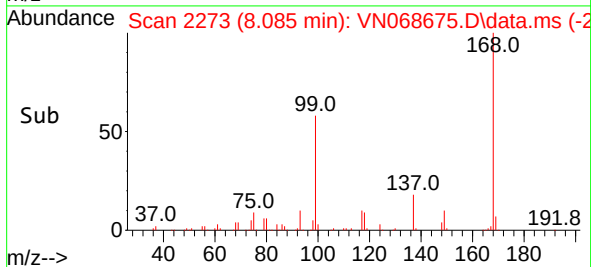
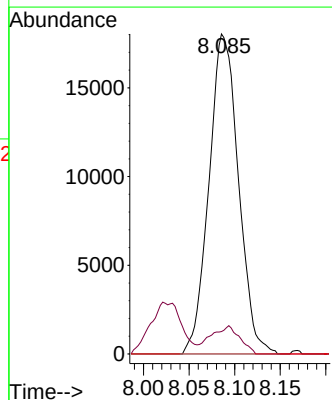
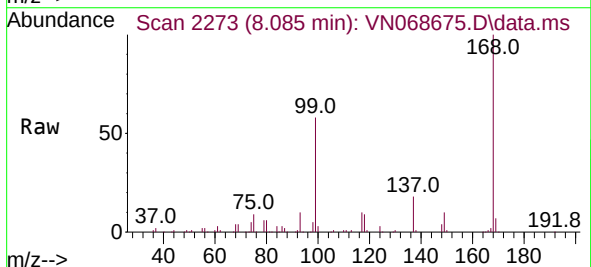
Tgt Ion: 75 Resp: 40536

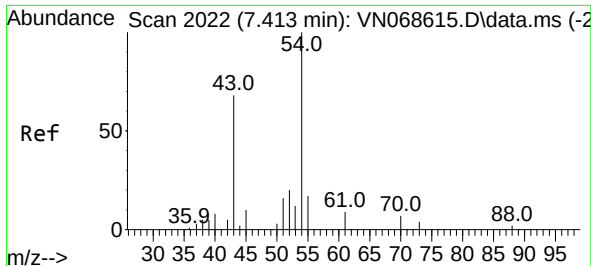
Ion Ratio Lower Upper

75 100

110 8.7 15.7 47.0#

77 0.0 24.6 37.0#

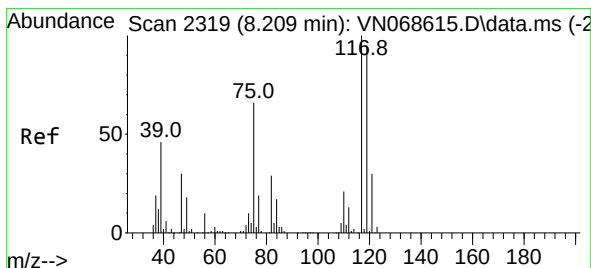
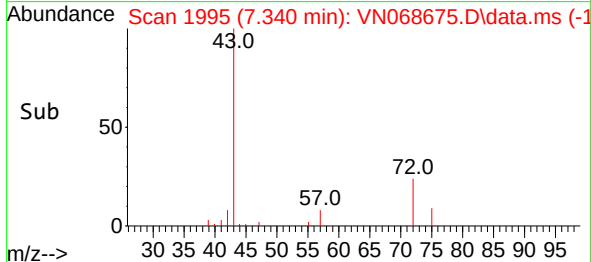
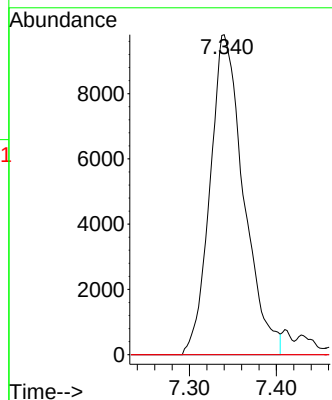
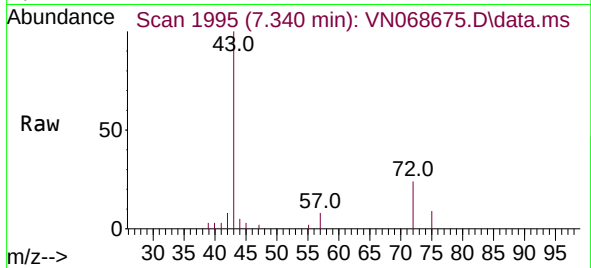




#37
Ethyl Acetate
Concen: 2.827 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.073 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

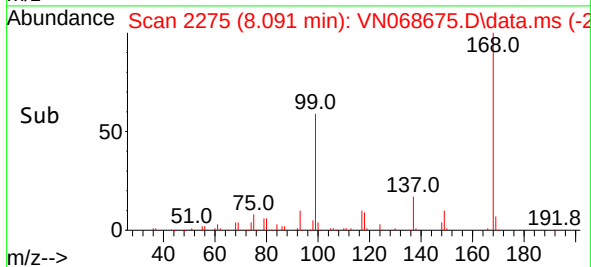
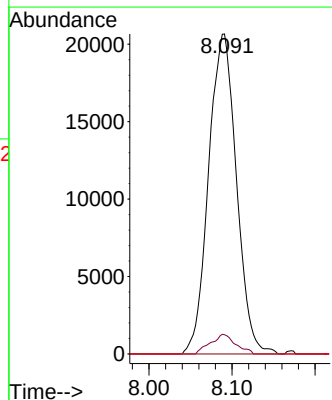
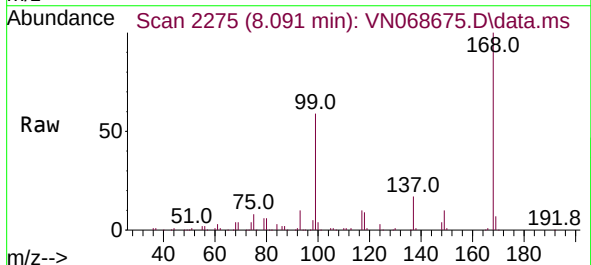
Instrument :
MSVOA_N
ClientSampled :
TP-C

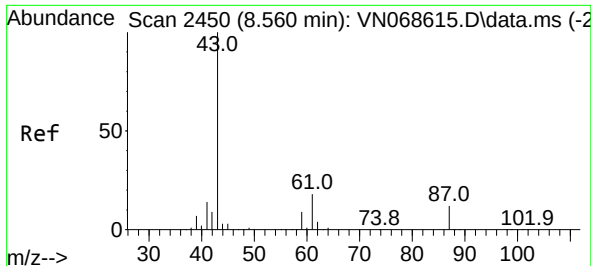
Tgt Ion:	43	Resp:	26343
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion:	117	Resp:	48129
Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.4	113.2#
121	0.0	23.5	35.3#



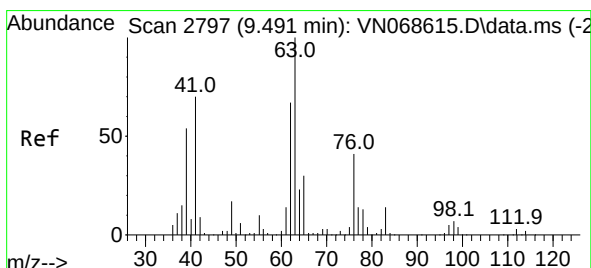
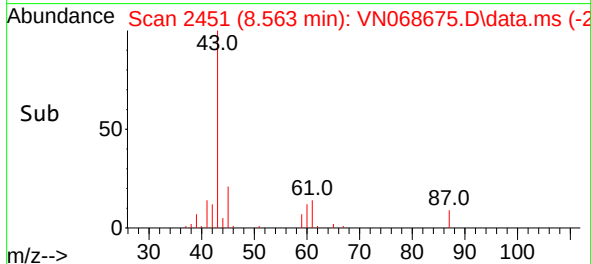
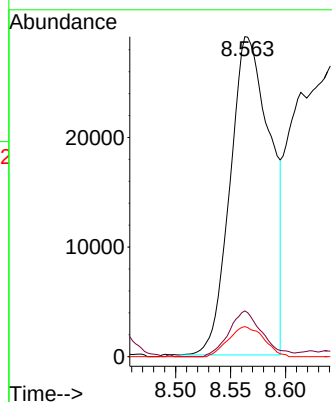
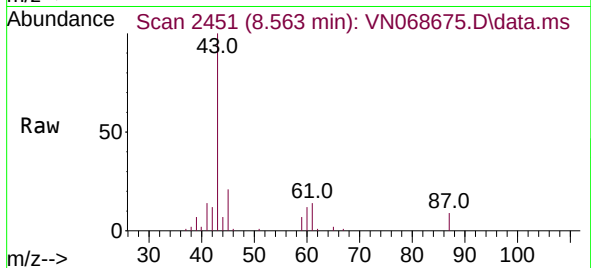


#43

Isopropyl Acetate
 Concen: 4.639 ug/l
 RT: 8.563 min Scan# 2451
 Delta R.T. 0.003 min
 Lab File: VN068675.D
 Acq: 25 Sep 2021 18:25

Instrument :
 MSVOA_N
 ClientSampled :
 TP-C

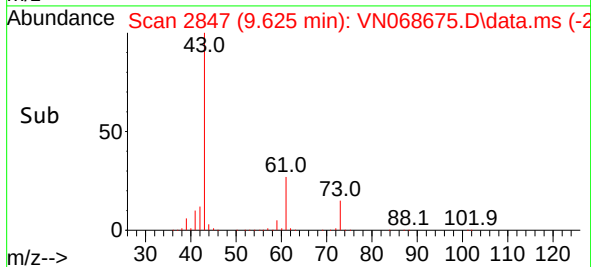
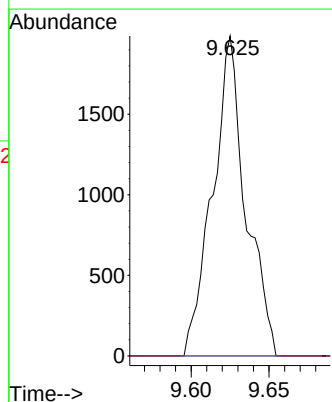
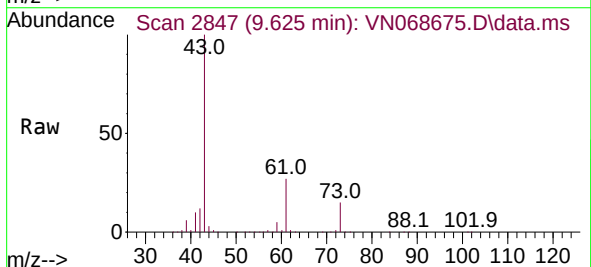
Tgt Ion: 43 Resp: 73939
 Ion Ratio Lower Upper
 43 100
 61 12.0 19.0 28.4#
 87 8.3 9.5 14.3#

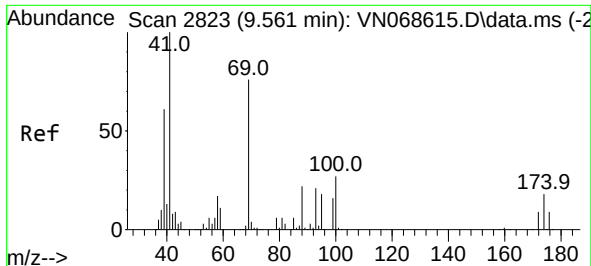


#45

1,2-Dichloropropane
 Concen: 0.463 ug/l
 RT: 9.625 min Scan# 2847
 Delta R.T. 0.134 min
 Lab File: VN068675.D
 Acq: 25 Sep 2021 18:25

Tgt Ion: 63 Resp: 2934
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.3 36.5#

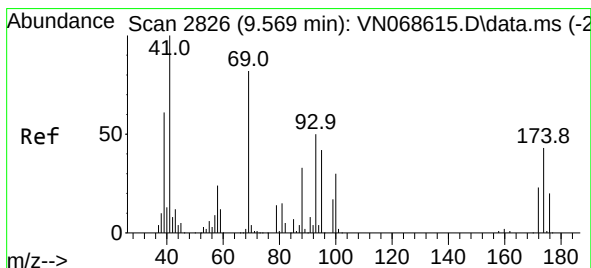
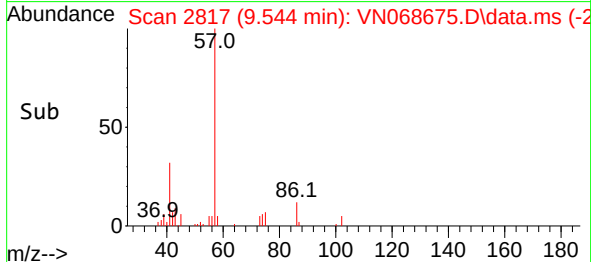
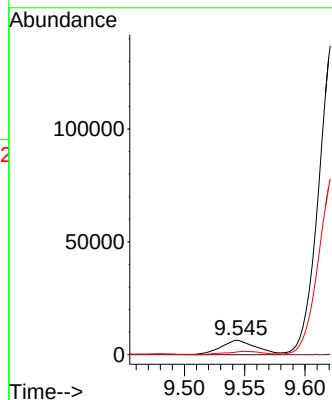
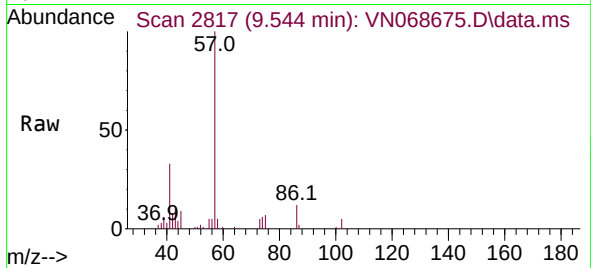




#48
Methyl methacrylate
Concen: 1.792 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.017 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

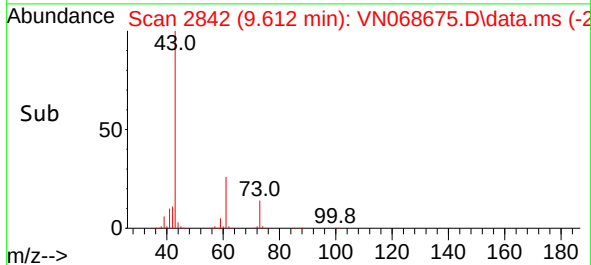
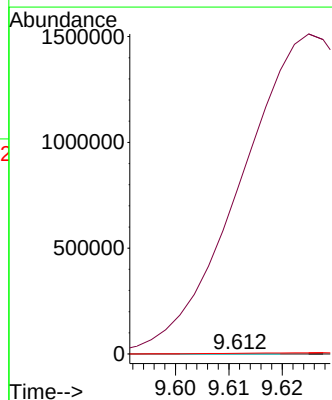
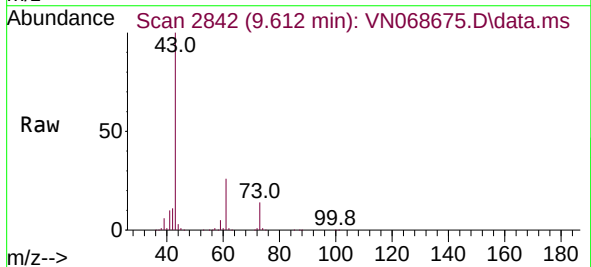
Instrument :
MSVOA_N
ClientSampled :
TP-C

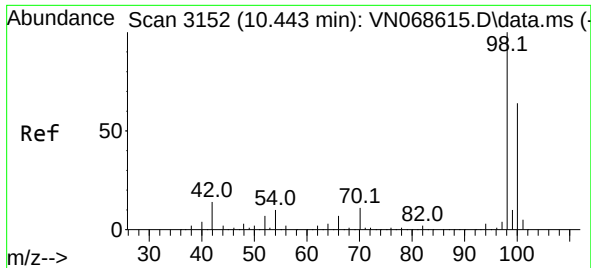
Tgt Ion: 41 Resp: 13043
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.789 ug/l
RT: 9.612 min Scan# 2842
Delta R.T. 0.043 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 88 Resp: 190
Ion Ratio Lower Upper
88 100
43 1486463.2 28.8 43.2#
58 6051.1 60.4 90.6#

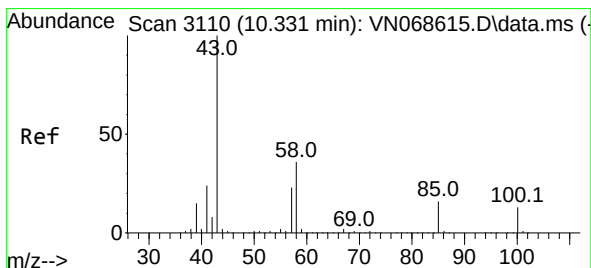
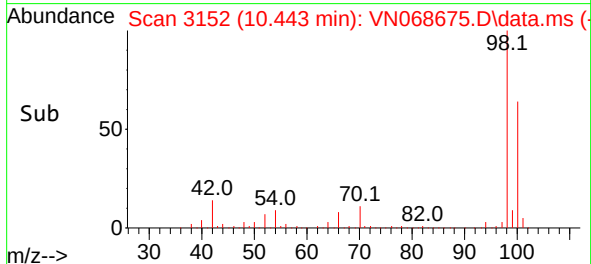
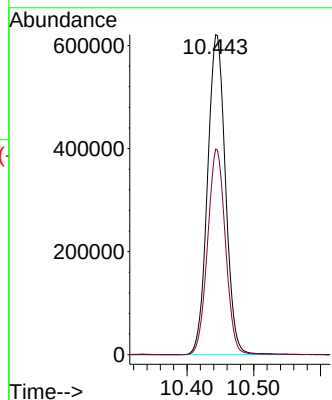
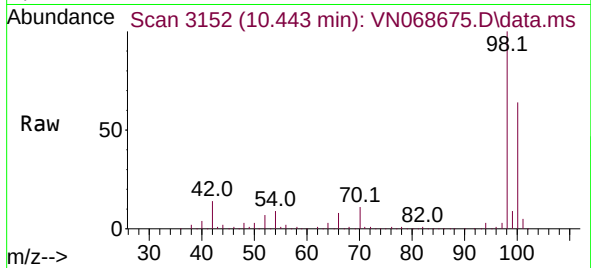




#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

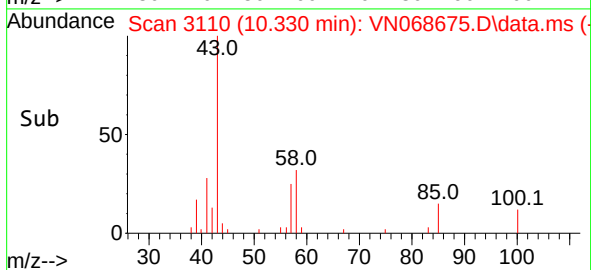
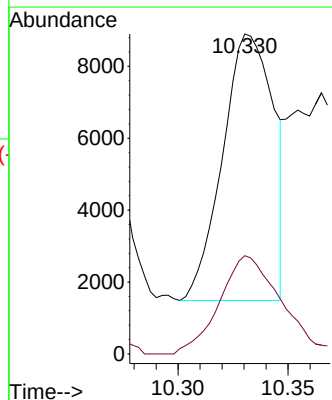
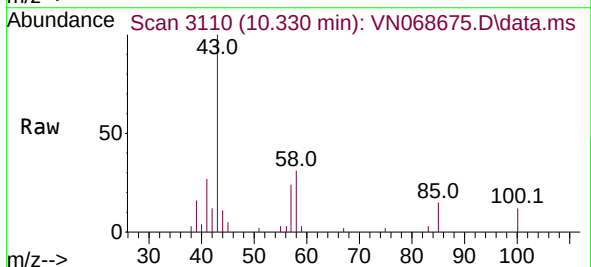
Instrument :
MSVOA_N
ClientSampled :
TP-C

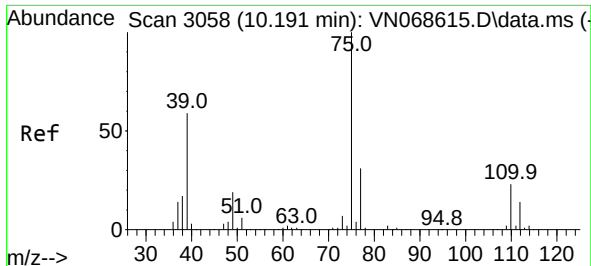
Tgt Ion: 98 Resp: 1158029
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.235 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.001 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 43 Resp: 11906
Ion Ratio Lower Upper
43 100
58 44.5 28.6 43.0#

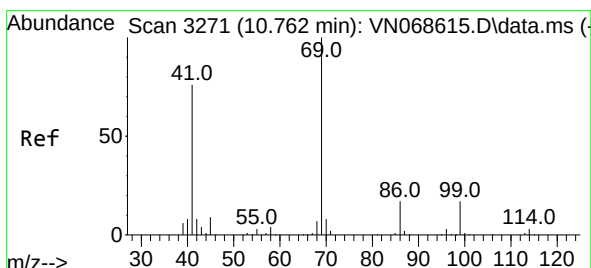
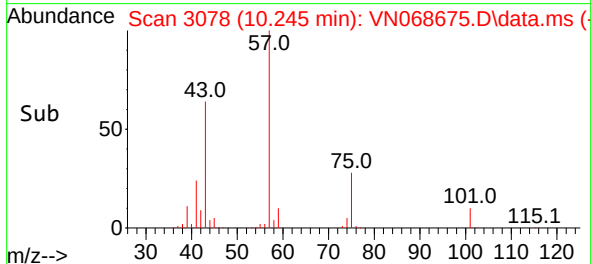
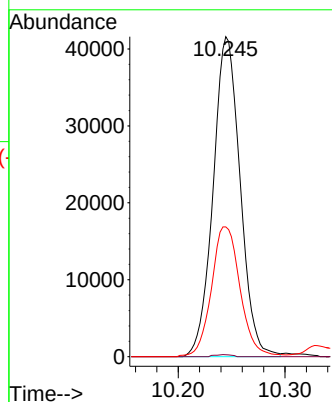
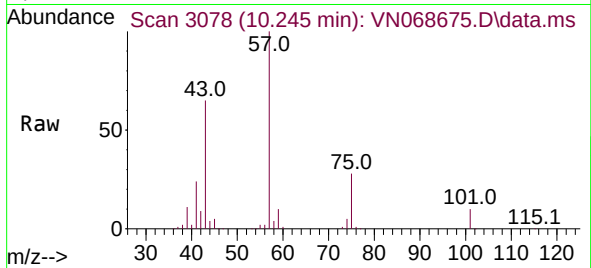




#54
cis-1,3-Dichloropropene
Concen: 7.296 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

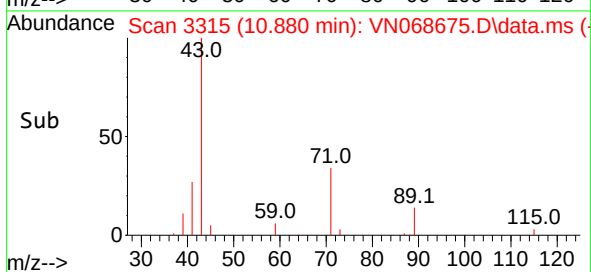
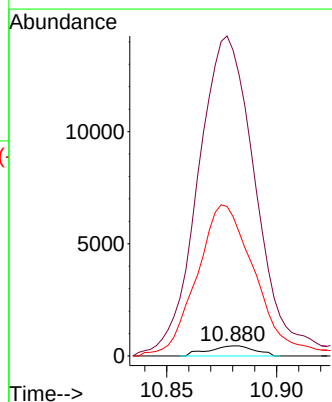
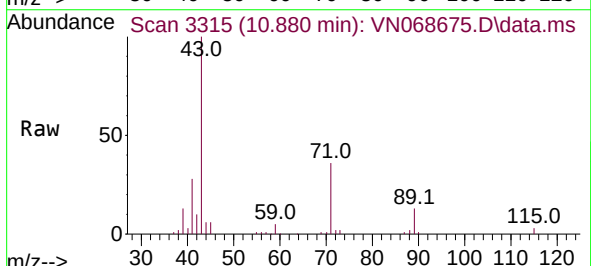
Instrument :
MSVOA_N
ClientSampled :
TP-C

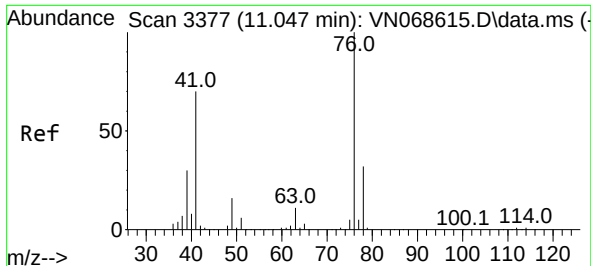
Tgt Ion: 75 Resp: 73114
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 40.1 50.7 76.1#



#56
Ethyl methacrylate
Concen: 0.767 ug/l
RT: 10.880 min Scan# 3315
Delta R.T. 0.118 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 69 Resp: 658
Ion Ratio Lower Upper
69 100
41 3957.4 58.6 88.0#
39 1902.1 38.3 57.5#

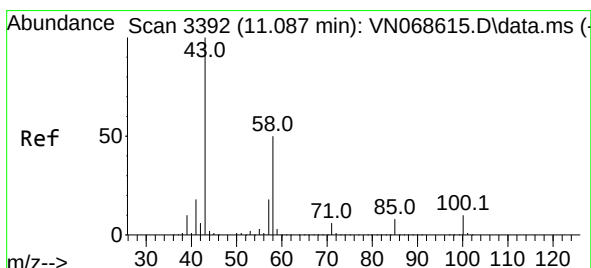
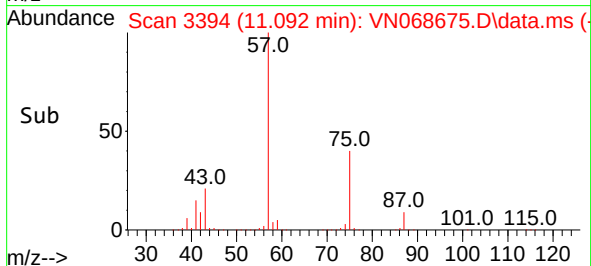
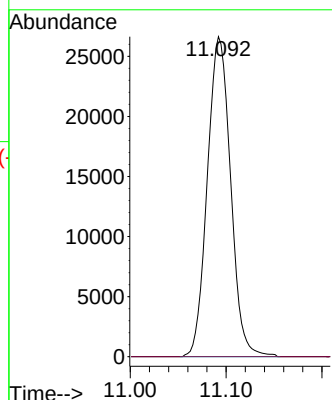
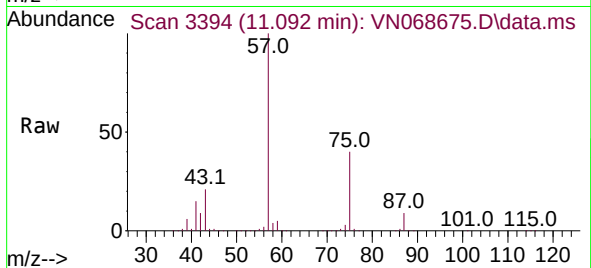




#57
1,3-Dichloropropane
Concen: 4.357 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

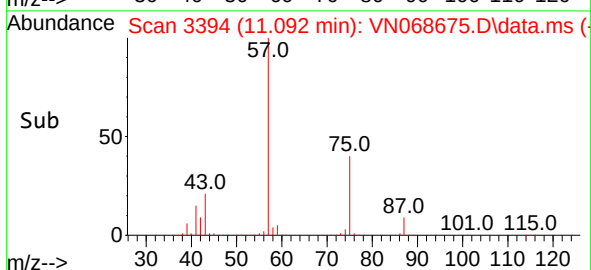
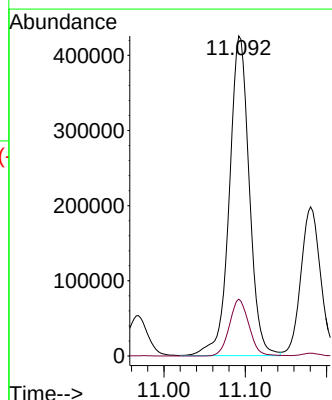
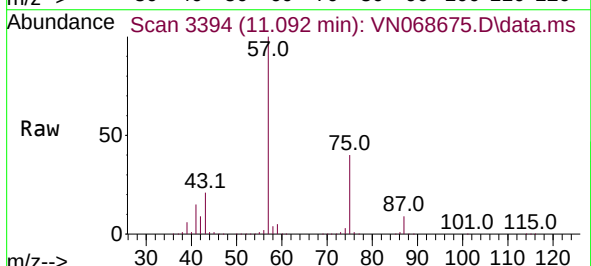
Instrument :
MSVOA_N
ClientSampled :
TP-C

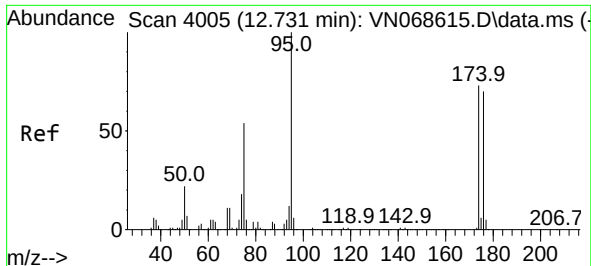
Tgt Ion: 76 Resp: 45009
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 104.995 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 43 Resp: 727829
Ion Ratio Lower Upper
43 100
58 17.3 24.7 74.1#

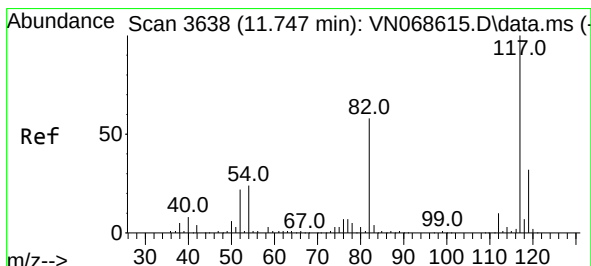
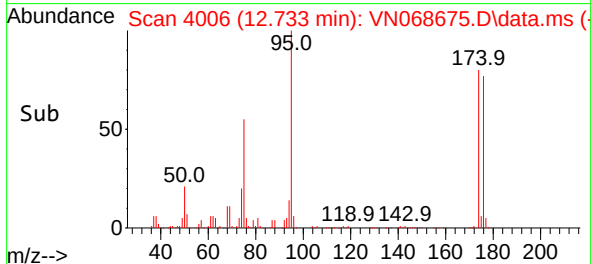
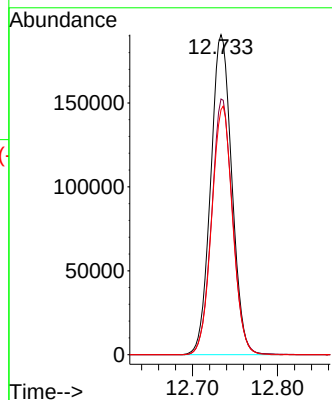
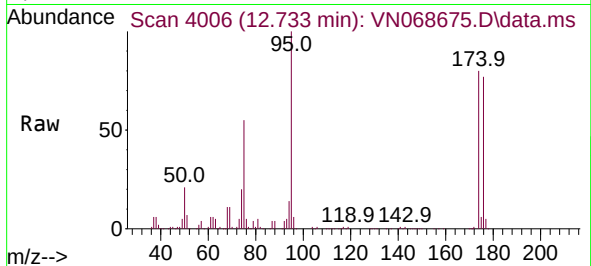




#62
4-Bromofluorobenzene
Concen: 41.837 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

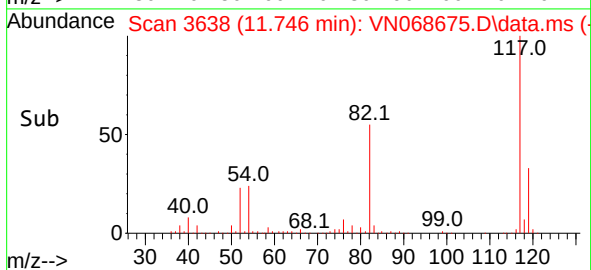
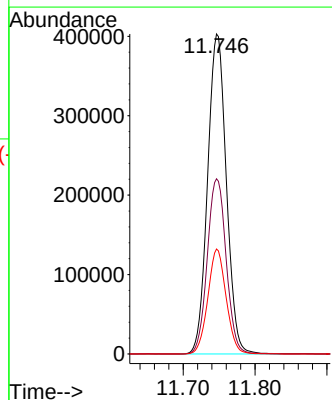
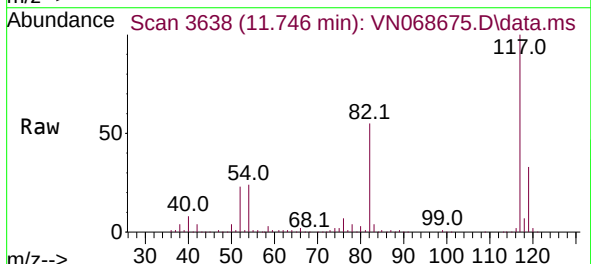
Instrument :
MSVOA_N
ClientSampleId :
TP-C

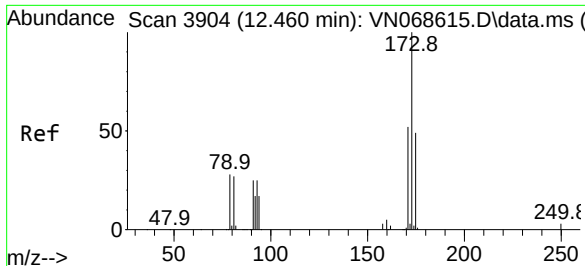
Tgt Ion: 95 Resp: 329772
Ion Ratio Lower Upper
95 100
174 79.1 0.0 122.0
176 77.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 117 Resp: 731052
Ion Ratio Lower Upper
117 100
82 54.7 53.1 79.7
119 32.8 25.5 38.3

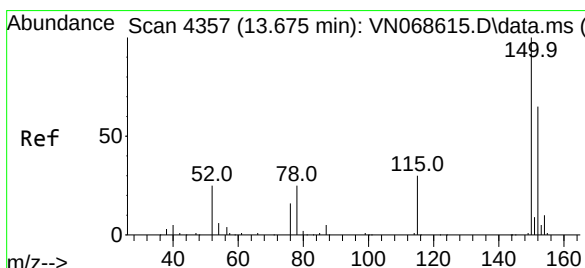
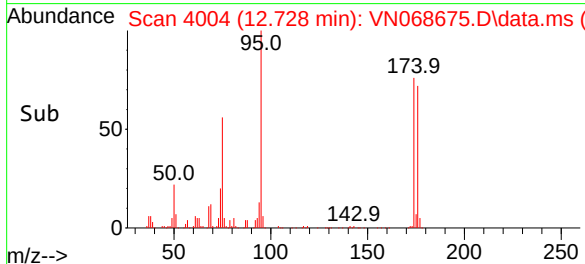
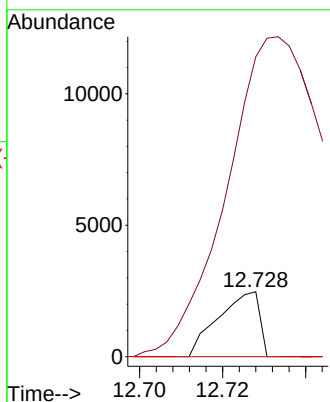
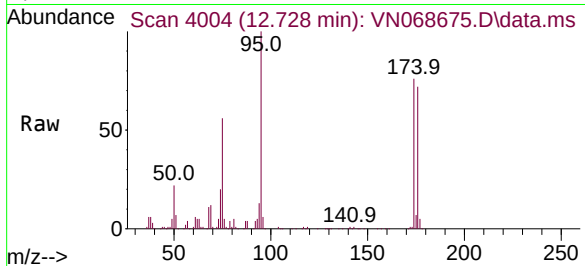




#71
Bromoform
Concen: 0.401 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

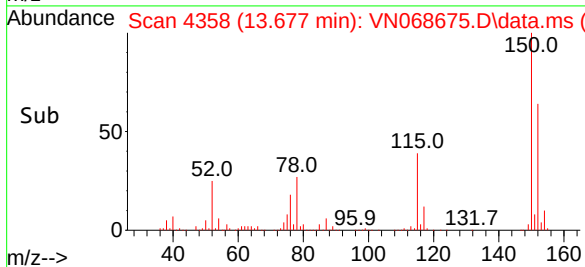
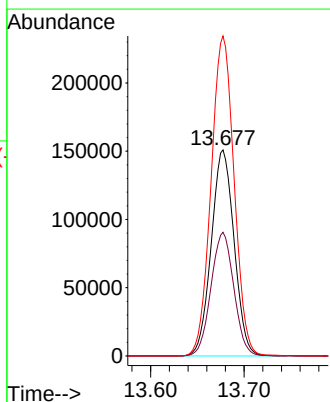
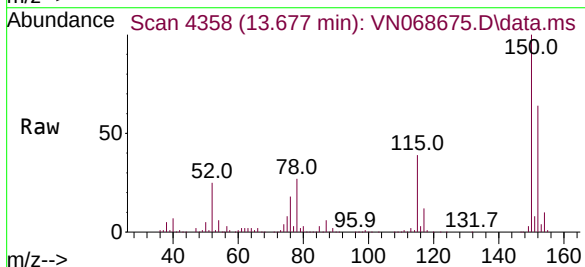
Instrument :
MSVOA_N
ClientSampled :
TP-C

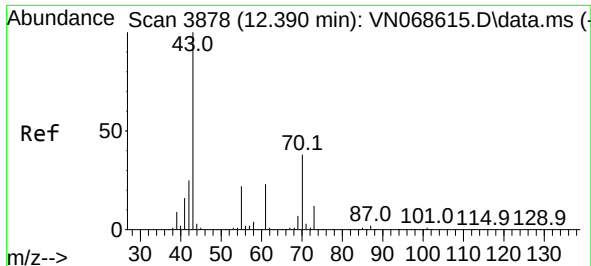
Tgt Ion:173 Resp: 1705
Ion Ratio Lower Upper
173 100
175 1148.7 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion:152 Resp: 257232
Ion Ratio Lower Upper
152 100
115 59.8 36.1 108.5
150 156.3 0.0 351.8

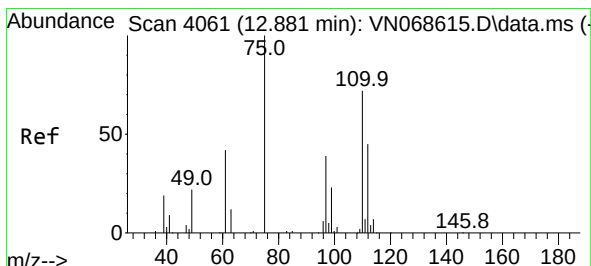
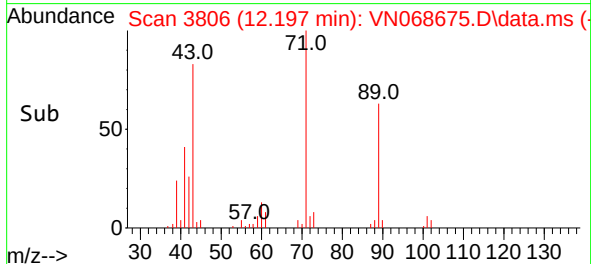
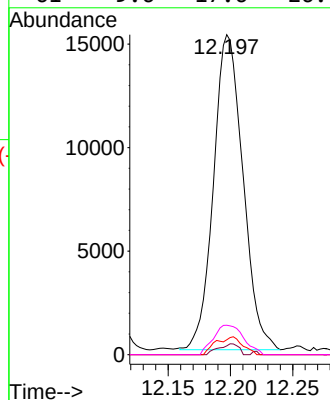
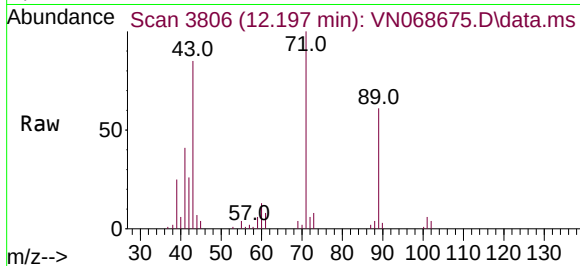




#74
N-amy1 acetate
Concen: 2.541 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

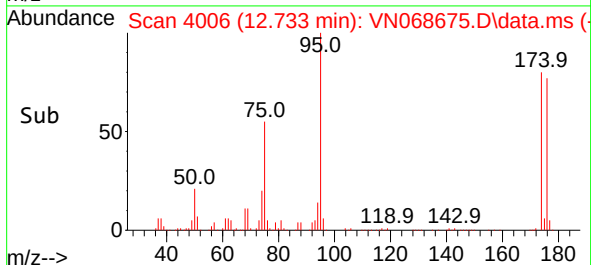
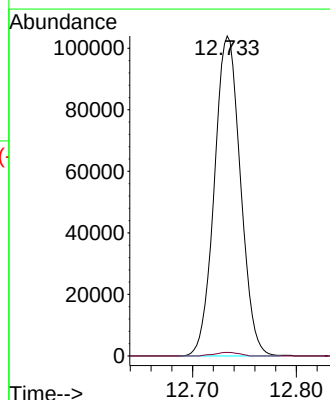
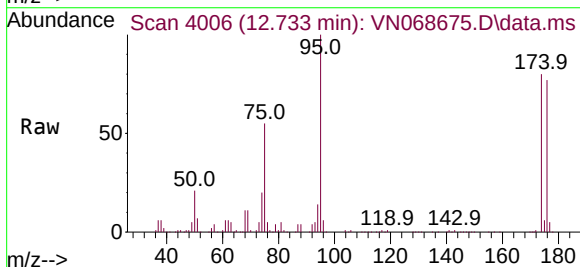
Instrument :
MSVOA_N
ClientSampled :
TP-C

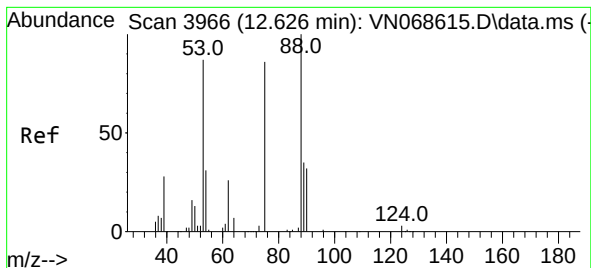
Tgt Ion: 43	Resp: 25015
Ion Ratio	Lower Upper
43 100	
70 2.3	29.4 44.2#
55 5.1	17.0 25.4#
61 9.6	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 28.514 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 75	Resp: 181355
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#

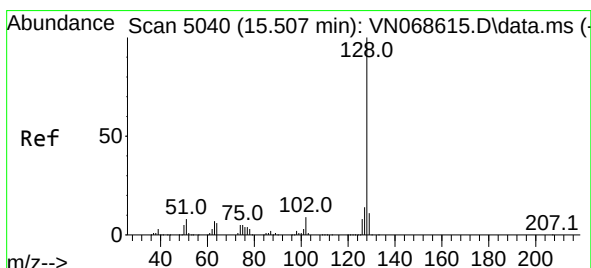
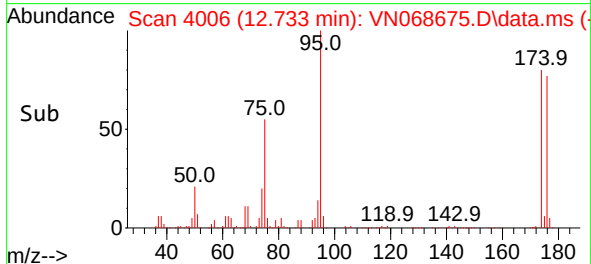
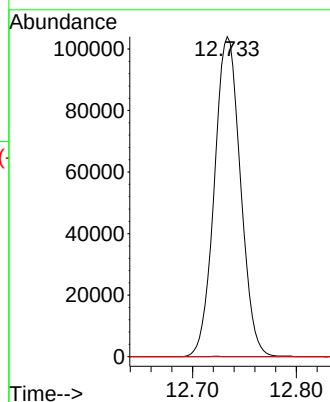
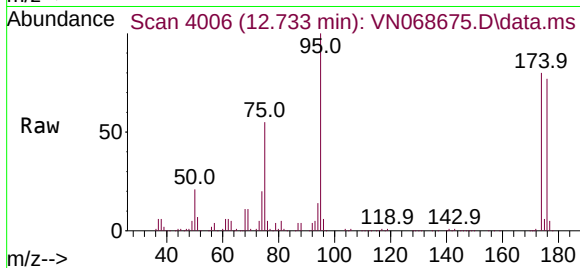




#81
trans-1,4-Dichloro-2-butene
Concen: 80.544 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Instrument :
MSVOA_N
ClientSampled :
TP-C

Tgt Ion: 75 Resp: 181355
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.658 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068675.D
Acq: 25 Sep 2021 18:25

Tgt Ion: 128 Resp: 785
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.1 8.6 12.8#

