

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069017.D
 Acq On : 19 Oct 2021 7:55
 Operator : JC/MD
 Sample : M4242-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 10:01:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

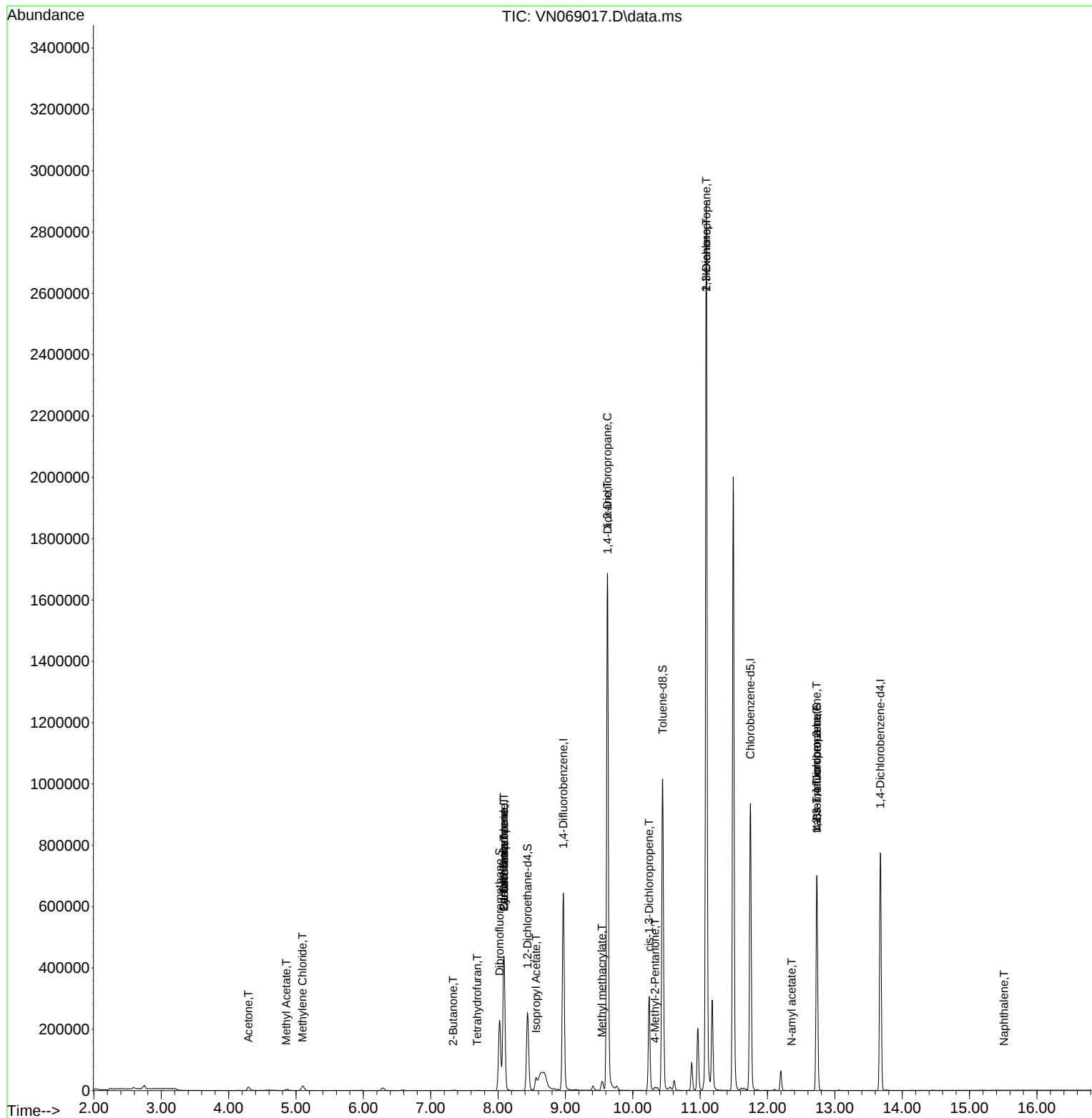
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	332690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	578211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	552828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	207258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	216077	49.261	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.520%	
35) Dibromofluoromethane	8.021	113	171276	50.913	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	101.820%	
50) Toluene-d8	10.443	98	729776	54.217	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	108.440%	
62) 4-Bromofluorobenzene	12.733	95	256150	50.439	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	100.880%	
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	21979	13.427	ug/l	97
18) Methyl Acetate	4.857	43	8524	1.373	ug/l	94
20) Methylene Chloride	5.095	84	5310	1.409	ug/l	94
25) 2-Butanone	7.332	43	1433	0.579	ug/l	97
29) Tetrahydrofuran	7.691	42	410	0.255	ug/l #	33
31) Cyclohexane	8.086	56	7830	1.148	ug/l #	15
36) 1,1-Dichloropropene	8.088	75	26725	5.411	ug/l #	50
38) Carbon Tetrachloride	8.088	117	34405	6.343	ug/l #	15
43) Isopropyl Acetate	8.563	43	46763	5.196	ug/l #	84
45) 1,2-Dichloropropane	9.622	63	2254	0.578	ug/l #	43
48) Methyl methacrylate	9.542	41	7710	1.823	ug/l #	13
49) 1,4-Dioxane	9.628	88	26	35.938	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	6669	1.278	ug/l	99
54) cis-1,3-Dichloropropene	10.242	75	59654	9.169	ug/l #	60
57) 1,3-Dichloropropane	11.089	76	31864	5.066	ug/l #	42
59) 2-Hexanone	11.092	43	448602	119.872	ug/l #	50
74) N-amyl acetate	12.358	43	1583	0.242	ug/l #	46
76) 1,2,3-Trichloropropane	12.731	75	134386	30.474	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	134386	72.907	ug/l #	12
95) Naphthalene	15.509	128	55	3.817	ug/l #	69

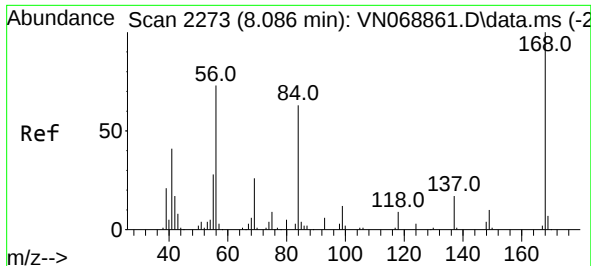
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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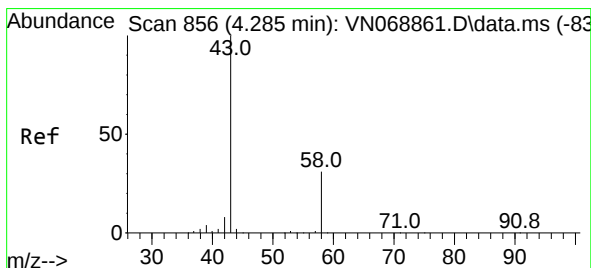
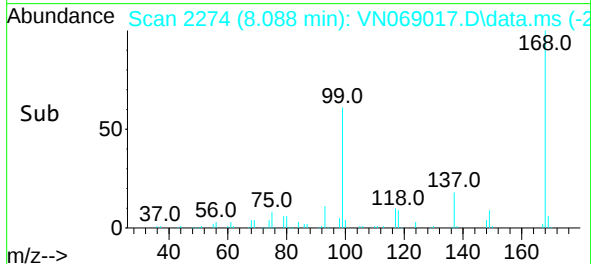
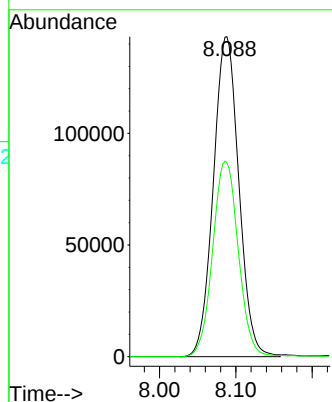
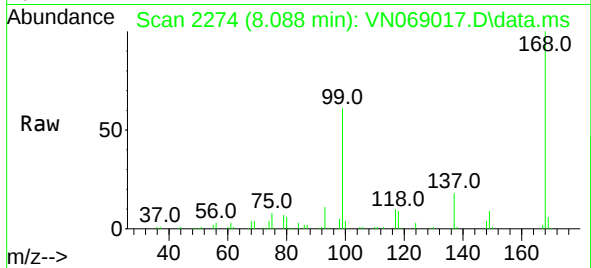




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

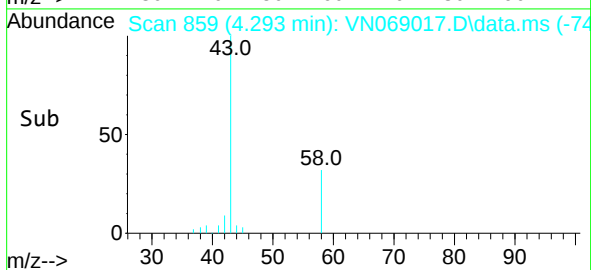
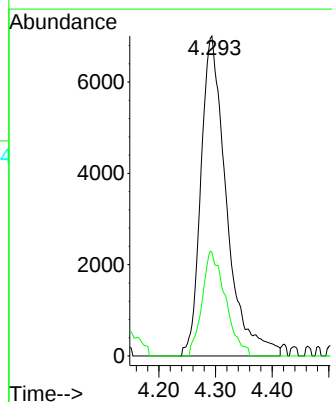
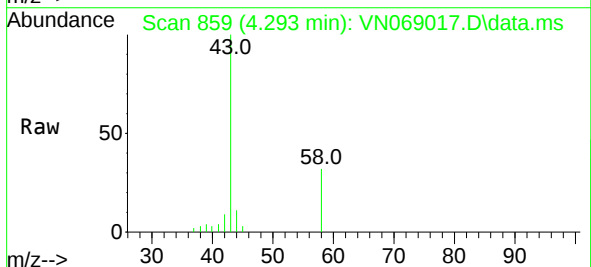
Instrument :
MSVOA_N
ClientSampled :

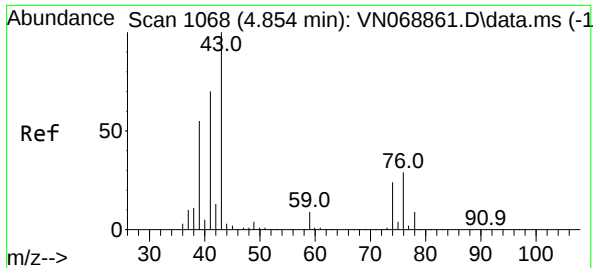
Tgt Ion:168 Resp: 332690
Ion Ratio Lower Upper
168 100
99 60.6 48.9 73.3



#16
Acetone
Concen: 13.427 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 43 Resp: 21979
Ion Ratio Lower Upper
43 100
58 32.5 24.5 36.7





#18

Methyl Acetate

Concen: 1.373 ug/l

RT: 4.857 min Scan# 1069

Delta R.T. 0.003 min

Lab File: VN069017.D

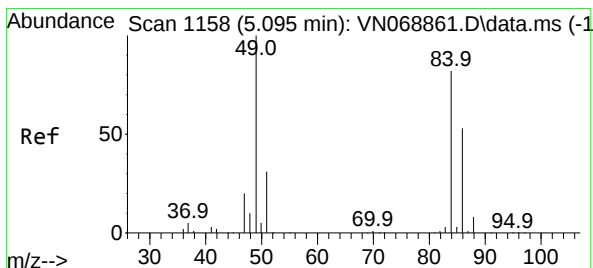
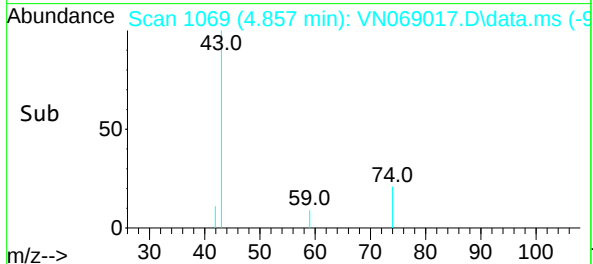
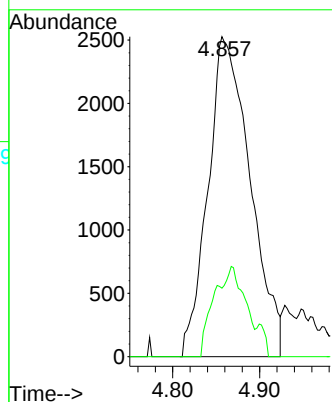
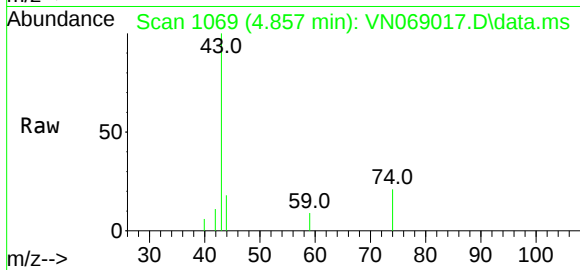
Acq: 19 Oct 2021 7:55

Tgt Ion: 43 Resp: 8524

Ion Ratio Lower Upper

43 100

74 20.6 18.9 28.3



#20

Methylene Chloride

Concen: 1.409 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VN069017.D

Acq: 19 Oct 2021 7:55

Tgt Ion: 84 Resp: 5310

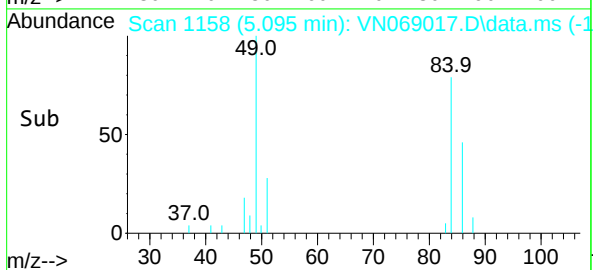
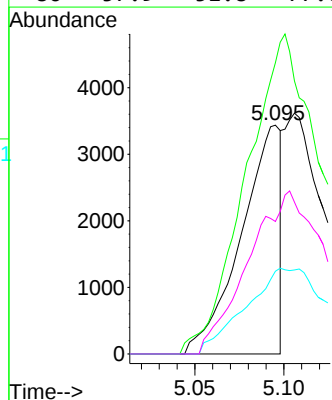
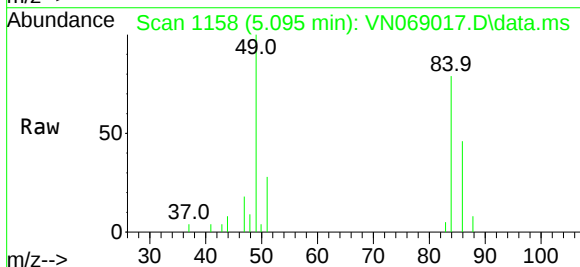
Ion Ratio Lower Upper

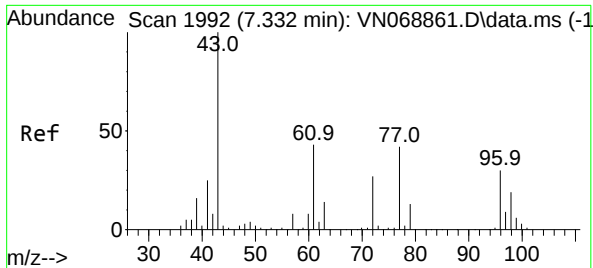
84 100

49 127.3 97.6 146.4

51 36.2 30.3 45.5

86 57.9 51.8 77.6

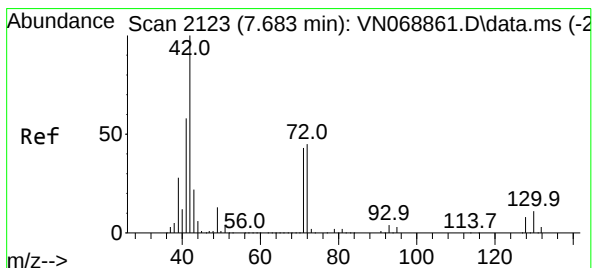
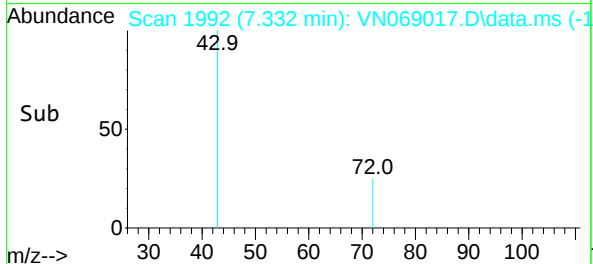
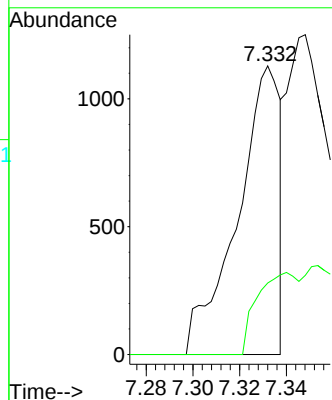
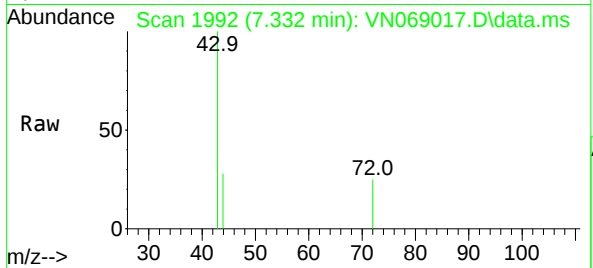




#25
2-Butanone
Concen: 0.579 ug/l
RT: 7.332 min Scan# 1992
Delta R.T. 0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

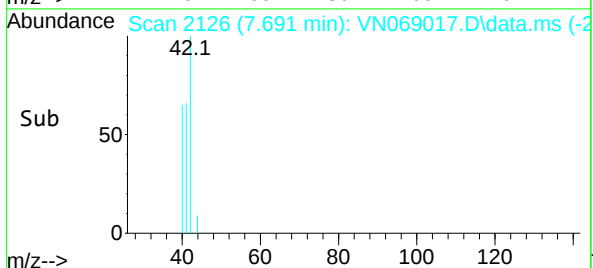
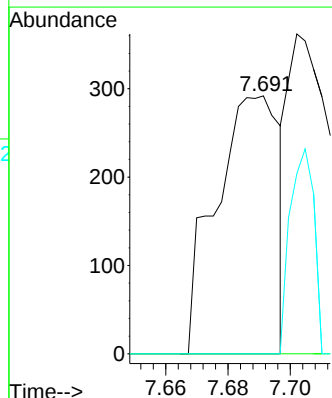
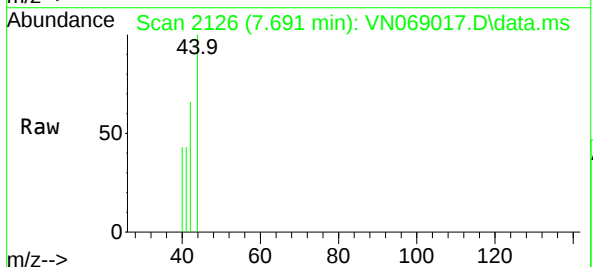
Instrument :
MSVOA_N
ClientSampled :

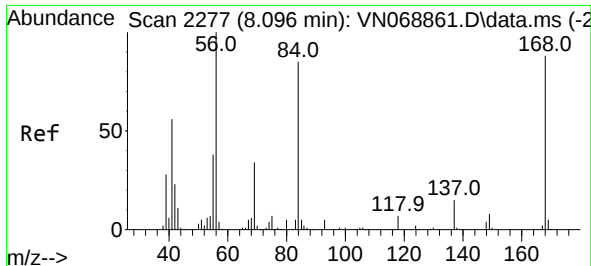
Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
72 24.8 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.255 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.008 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 0.0 33.8 50.6#

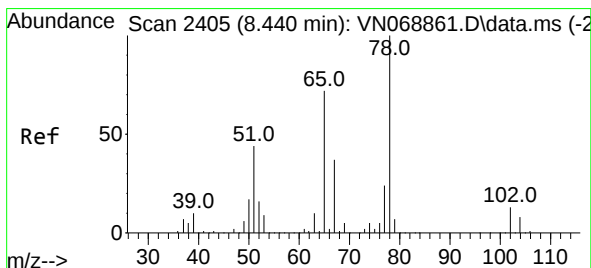
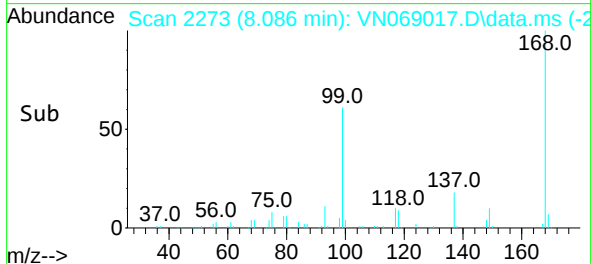
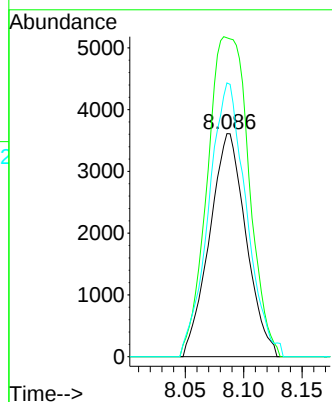
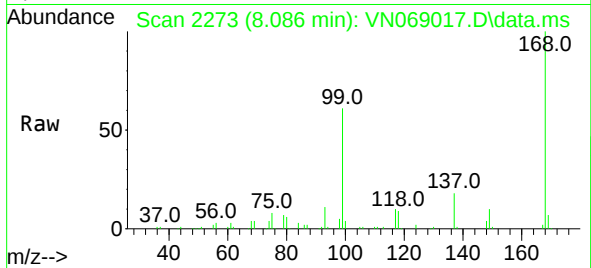




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

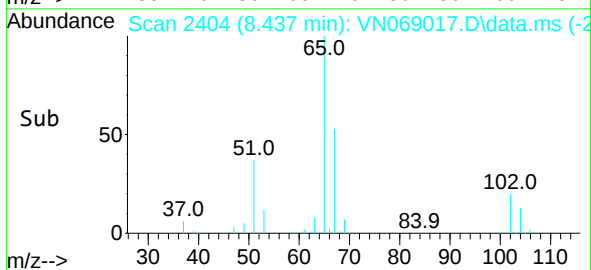
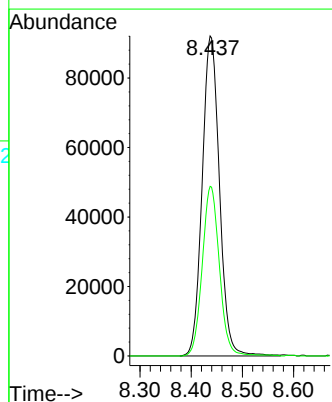
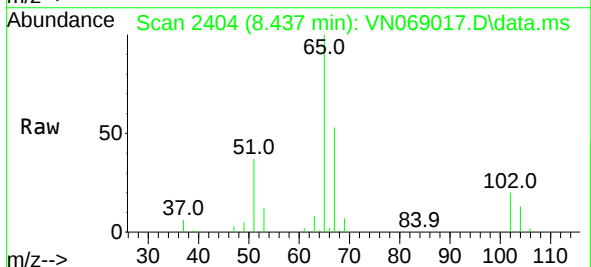
Instrument :
MSVOA_N
ClientSampled :

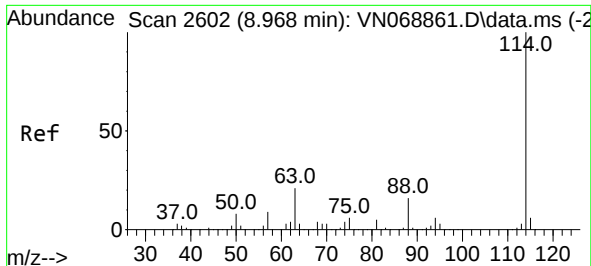
Tgt Ion: 56 Resp: 7830
Ion Ratio Lower Upper
56 100
69 143.0 26.9 40.3#
84 122.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.261 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 65 Resp: 216077
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

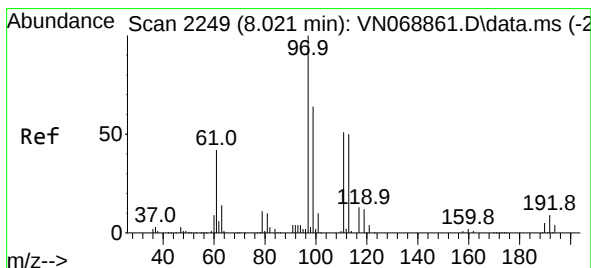
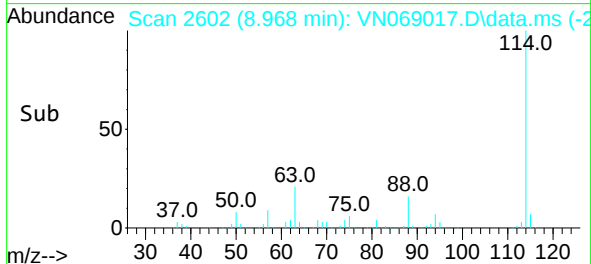
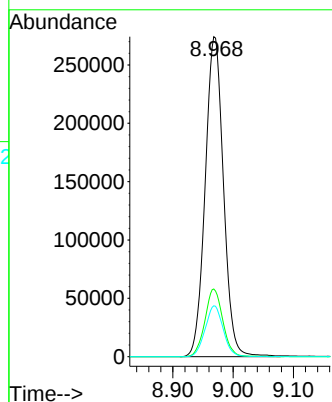
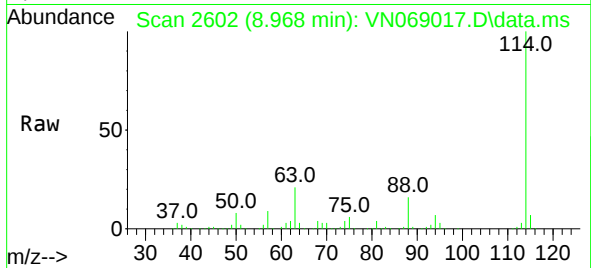




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

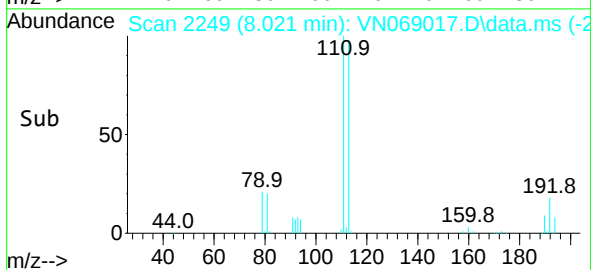
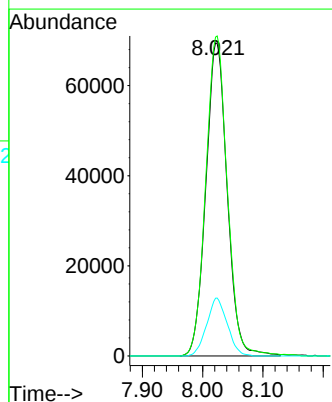
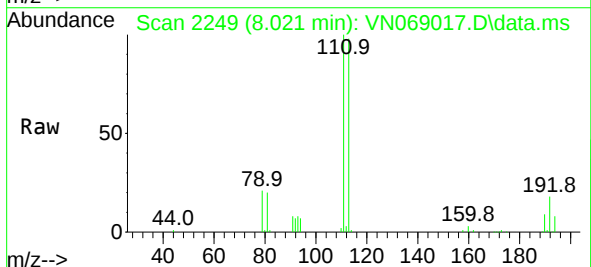
Instrument :
MSVOA_N
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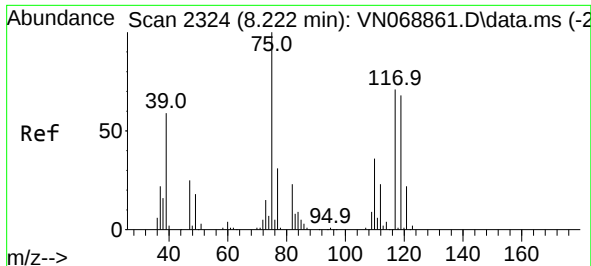
Tgt Ion:114 Resp: 578211
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.913 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion:113 Resp: 171276
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 17.8 15.0 22.4

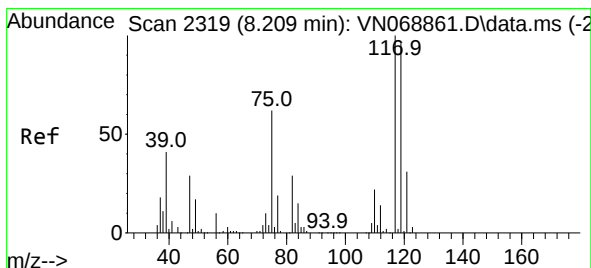
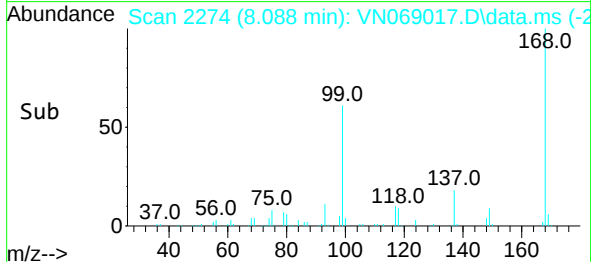
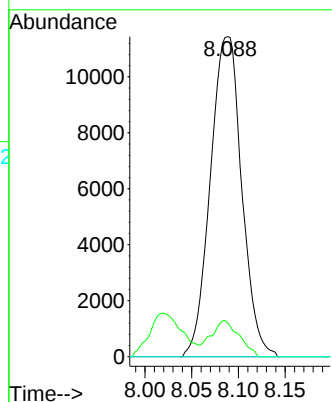
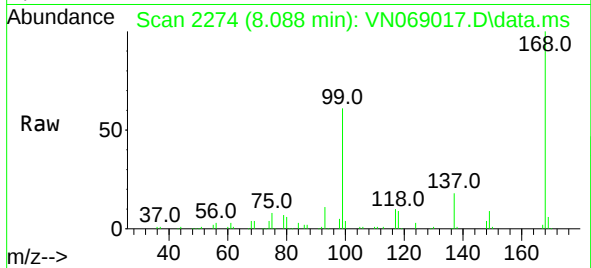




#36
1,1-Dichloropropene
Concen: 5.411 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

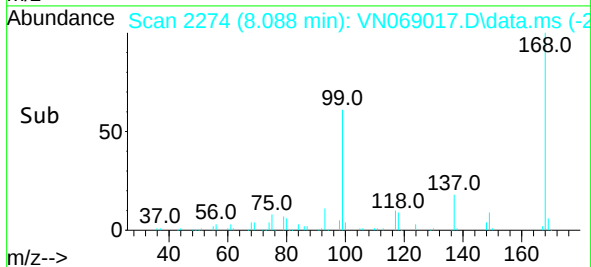
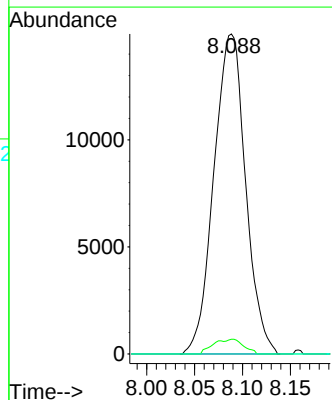
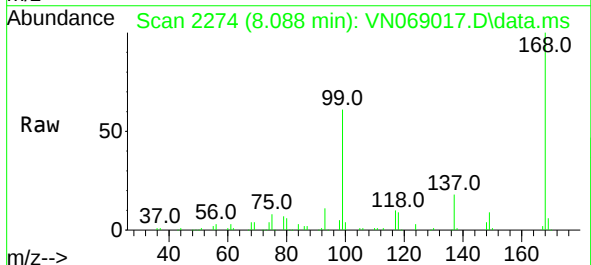
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MSVOA_N
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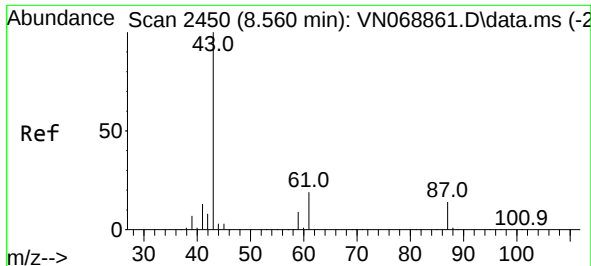
Tgt Ion: 75 Resp: 26725
Ion Ratio Lower Upper
75 100
110 10.2 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 117 Resp: 34405
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#

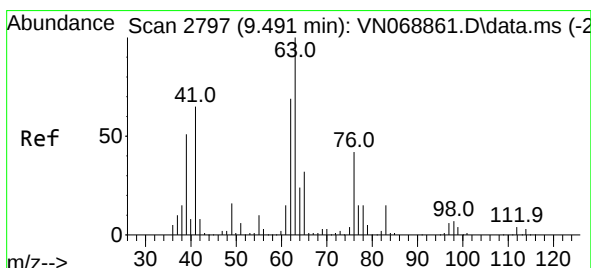
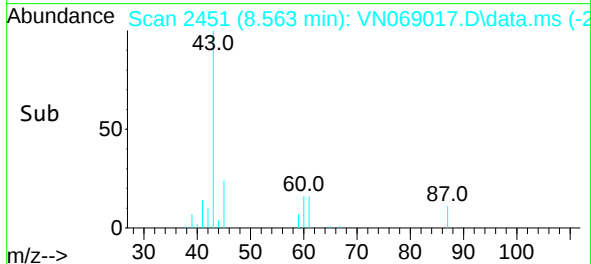
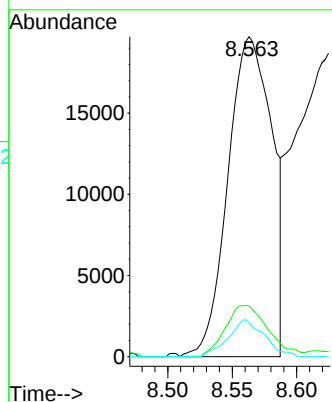
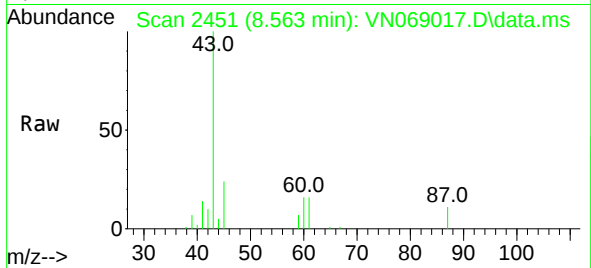




#43
Isopropyl Acetate
Concen: 5.196 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

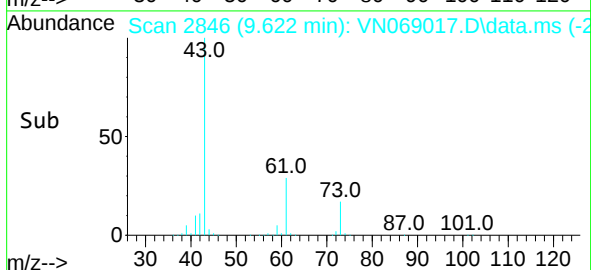
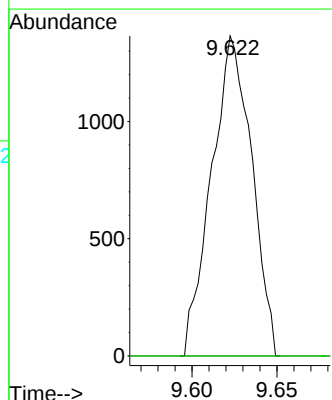
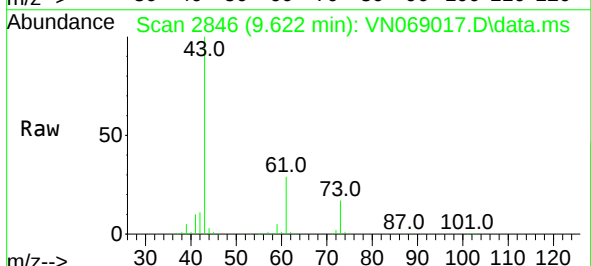
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ClientSampleId :

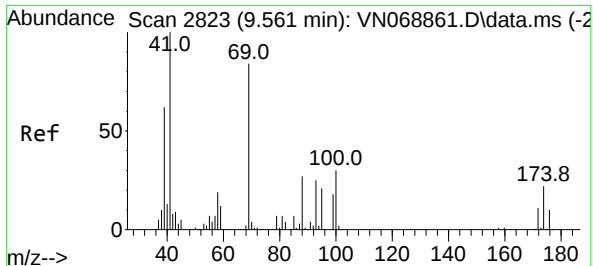
Tgt Ion: 43 Resp: 46763
Ion Ratio Lower Upper
43 100
61 15.7 20.4 30.6#
87 9.5 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.578 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 63 Resp: 2254
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

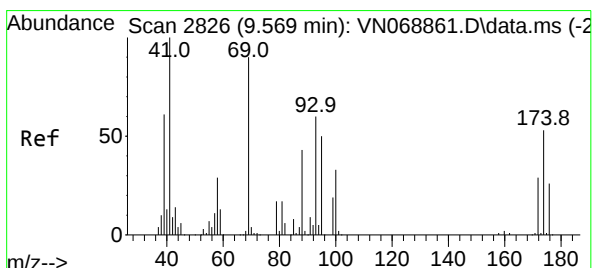
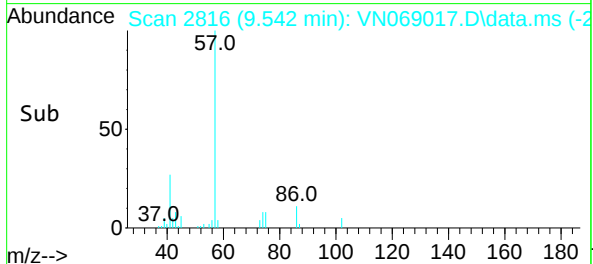
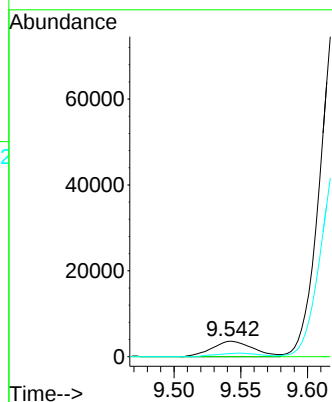
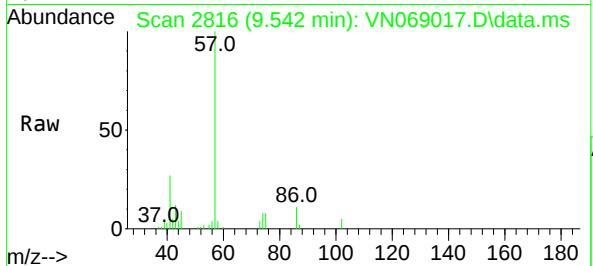




#48
Methyl methacrylate
Concen: 1.823 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

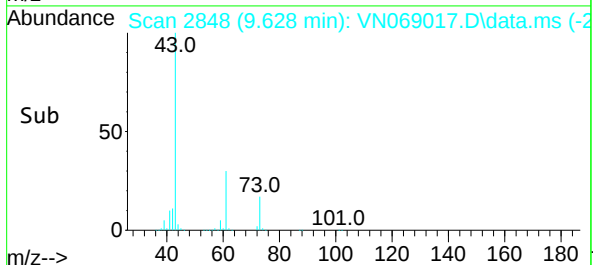
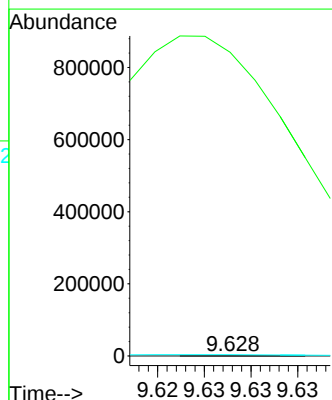
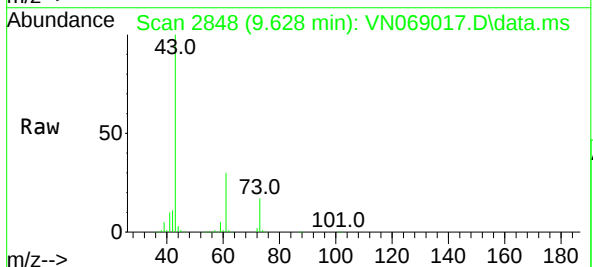
Instrument :
MSVOA_N
ClientSampleId :

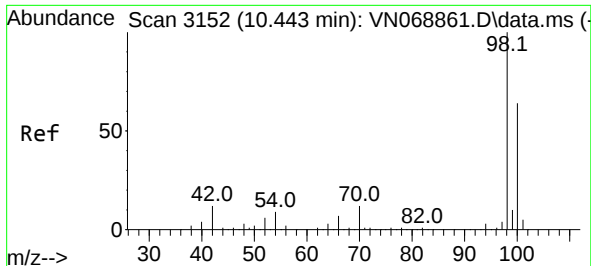
Tgt Ion: 41 Resp: 7710
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 35.938 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 6521453.8 24.9 37.3#
58 26192.3 56.9 85.3#

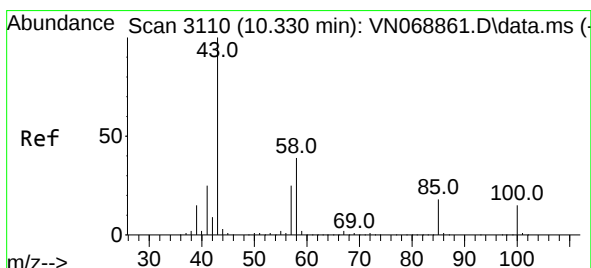
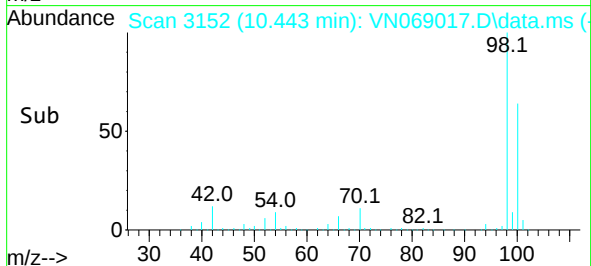
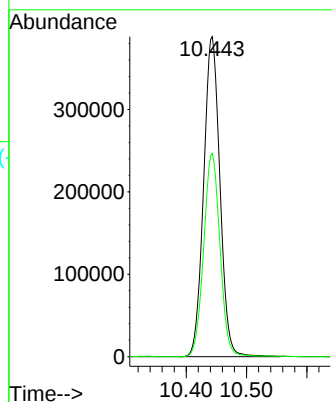
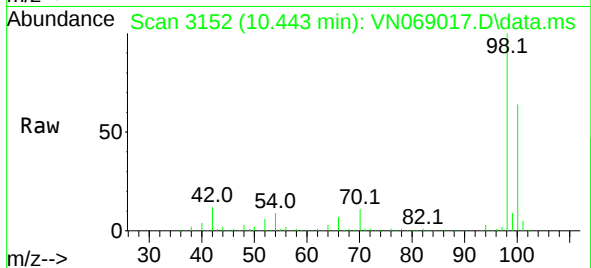




#50
Toluene-d8
Concen: 54.217 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

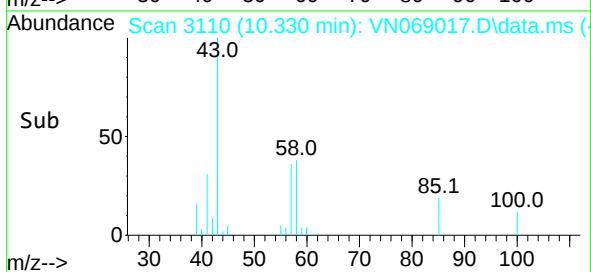
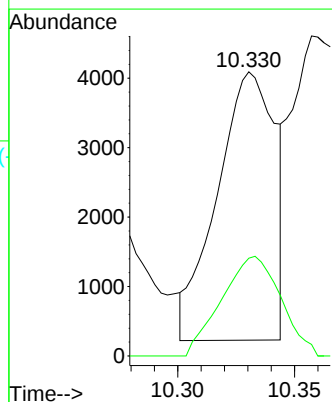
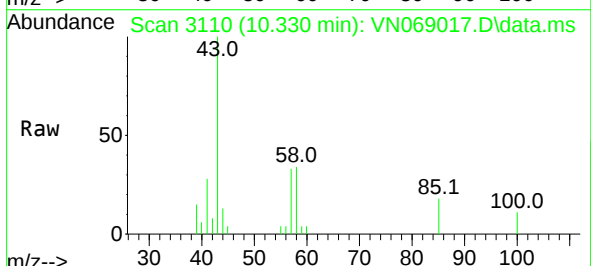
Instrument :
MSVOA_N
ClientSampled :

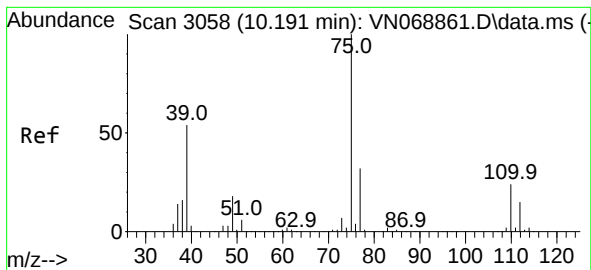
Tgt Ion: 98 Resp: 729776
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.278 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 43 Resp: 6669
Ion Ratio Lower Upper
43 100
58 38.0 31.0 46.4

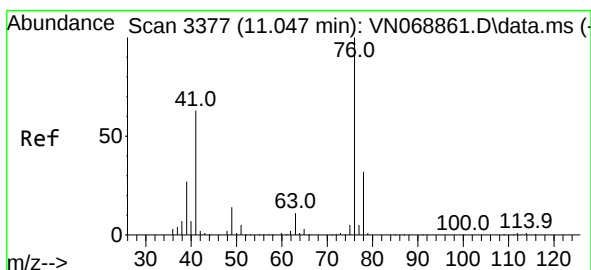
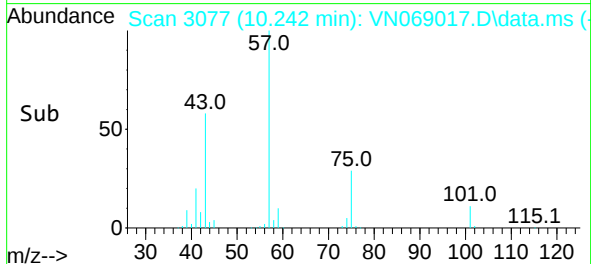
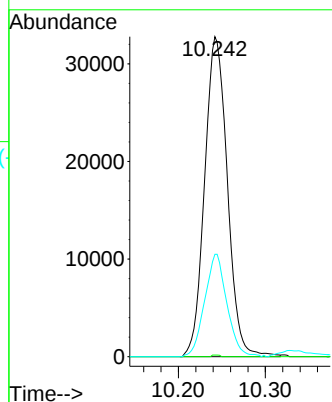
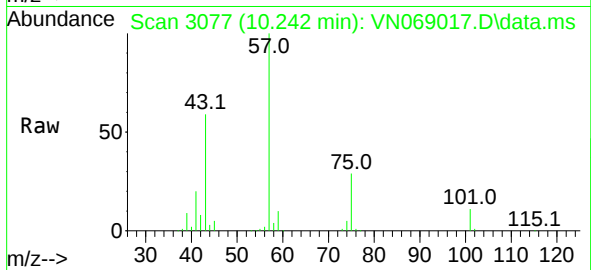




#54
 cis-1,3-Dichloropropene
 Concen: 9.169 ug/l
 RT: 10.242 min Scan# 3077
 Delta R.T. 0.051 min
 Lab File: VN069017.D
 Acq: 19 Oct 2021 7:55

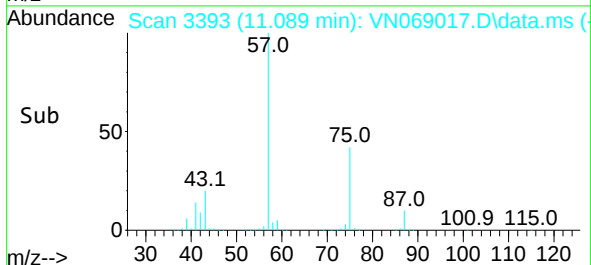
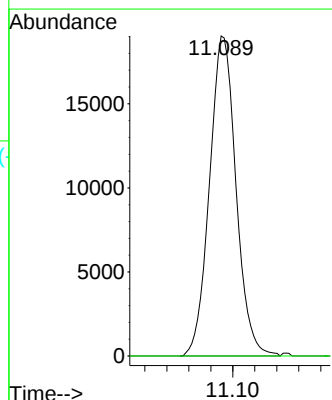
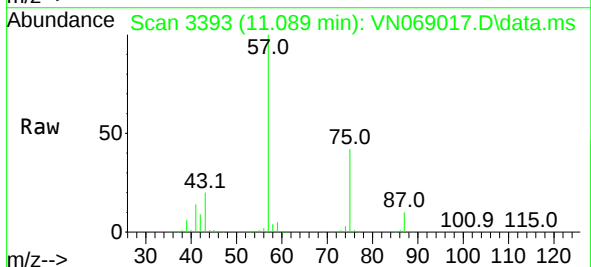
Instrument :
 MSVOA_N
 ClientSampleId :

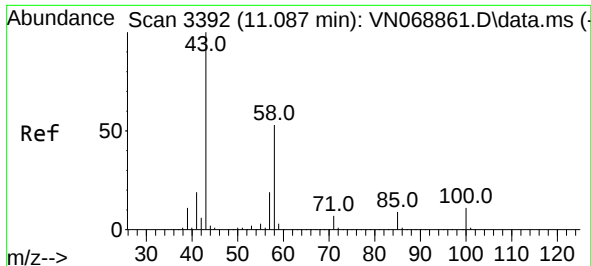
Tgt Ion: 75 Resp: 59654
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 32.0 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.066 ug/l
 RT: 11.089 min Scan# 3393
 Delta R.T. 0.043 min
 Lab File: VN069017.D
 Acq: 19 Oct 2021 7:55

Tgt Ion: 76 Resp: 31864
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

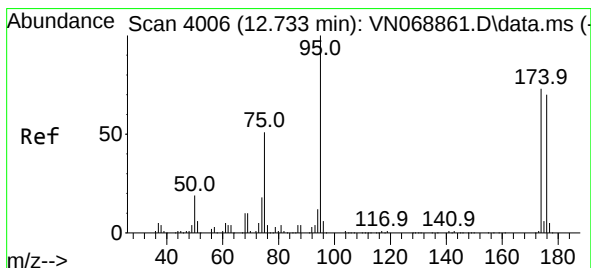
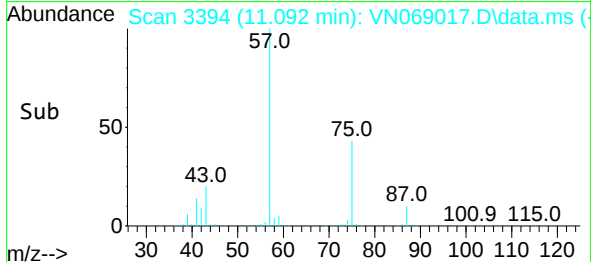
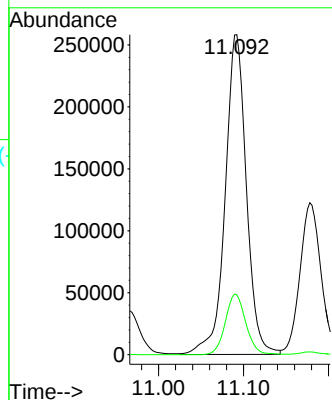
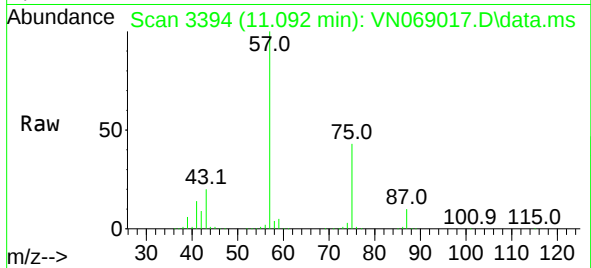




#59
2-Hexanone
Concen: 119.872 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

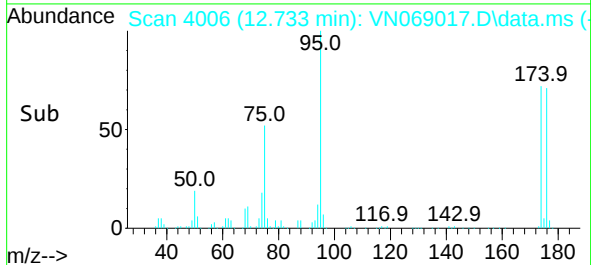
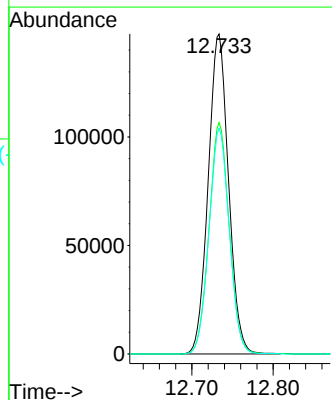
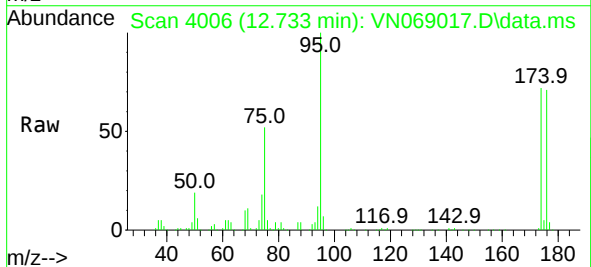
Instrument :
MSVOA_N
ClientSampleId :

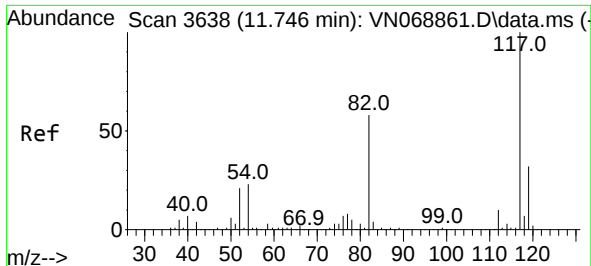
Tgt Ion: 43 Resp: 448602
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.439 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 95 Resp: 256150
Ion Ratio Lower Upper
95 100
174 71.9 0.0 144.8
176 70.0 0.0 140.0

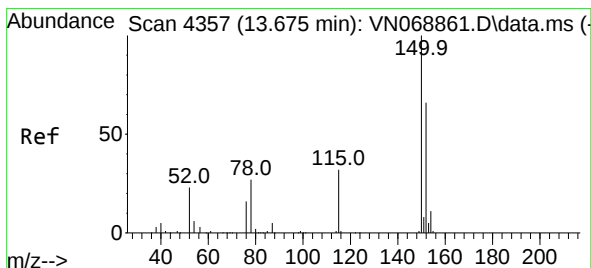
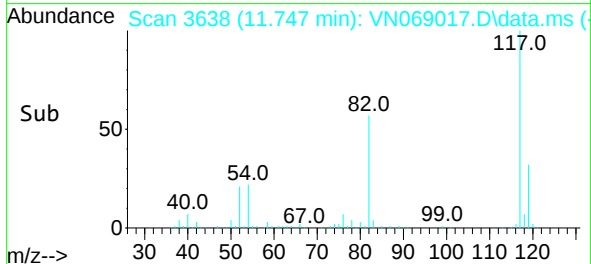
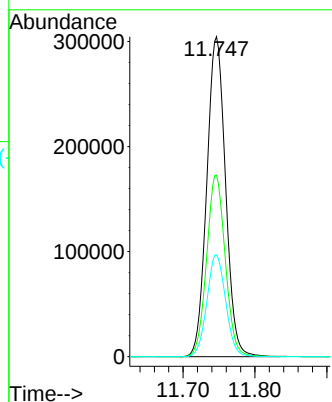
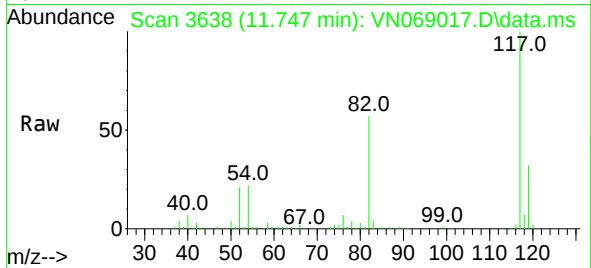




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

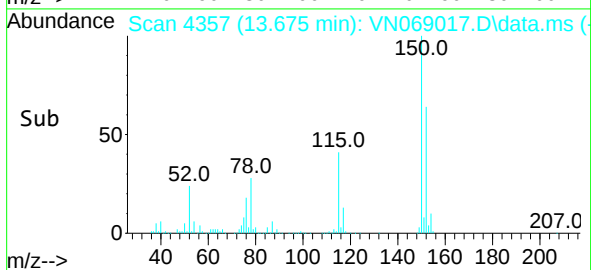
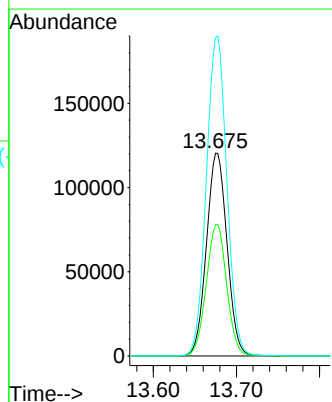
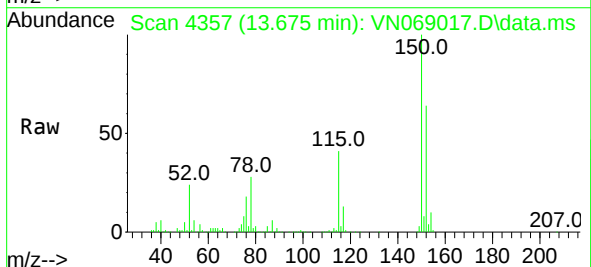
Instrument :
MSVOA_N
ClientSampleId :

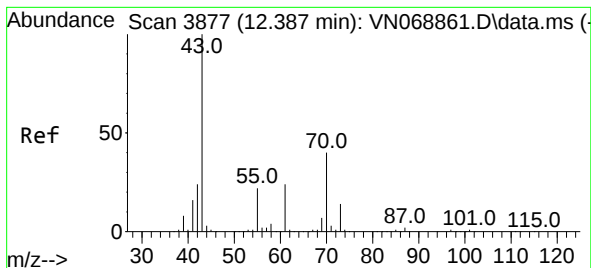
Tgt Ion:117 Resp: 552828
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion:152 Resp: 207258
Ion Ratio Lower Upper
152 100
115 64.3 31.4 94.3
150 157.0 0.0 351.0

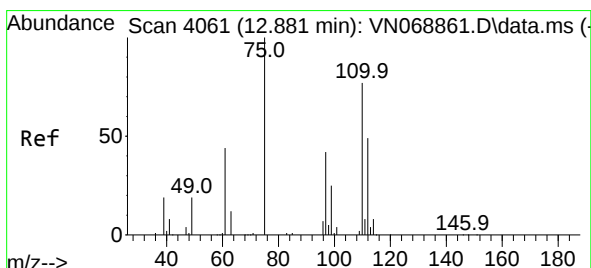
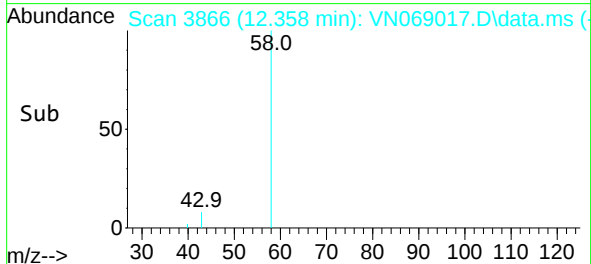
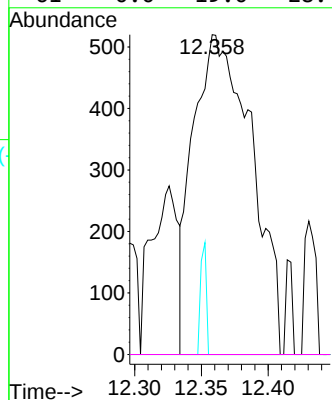
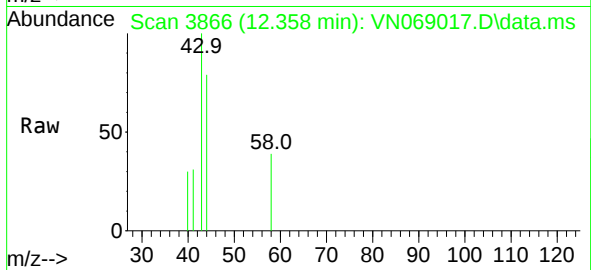




#74
N-amy1 acetate
Concen: 0.242 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.029 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

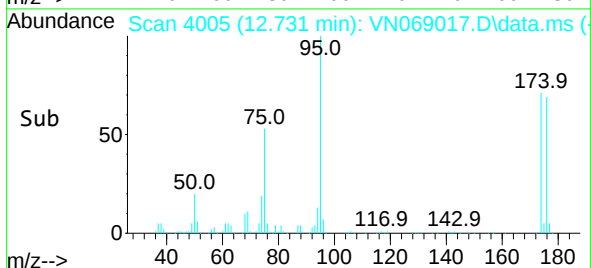
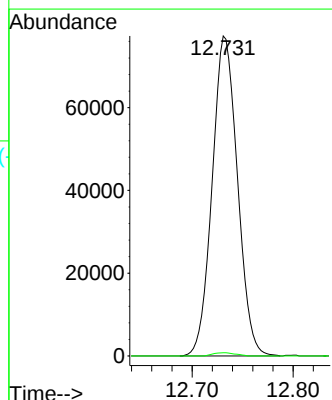
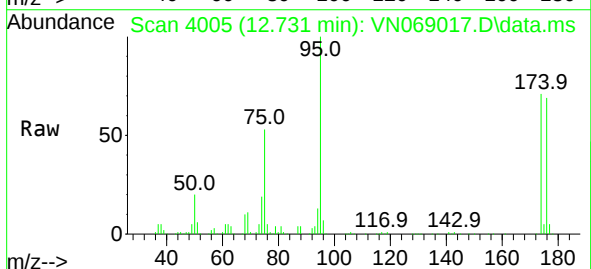
Instrument :
MSVOA_N
ClientSampleId :

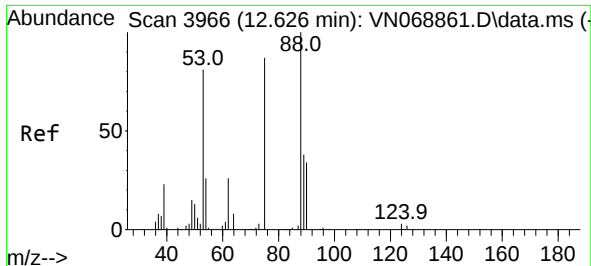
Tgt Ion: 43	Resp: 1583
Ion Ratio	Lower Upper
43 100	
70 0.0	32.2 48.2#
55 3.4	18.0 27.0#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 30.474 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion: 75	Resp: 134386
Ion Ratio	Lower Upper
75 100	
77 0.9	96.2 288.4#

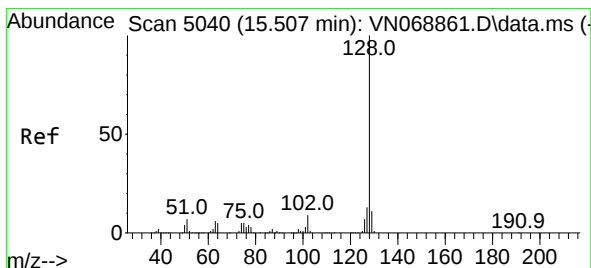
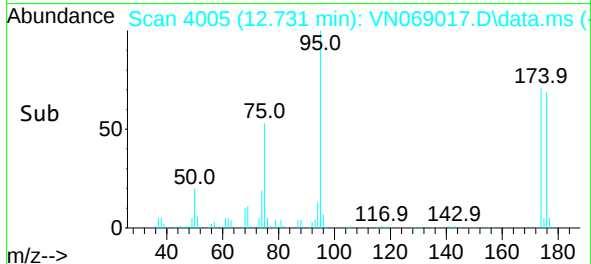
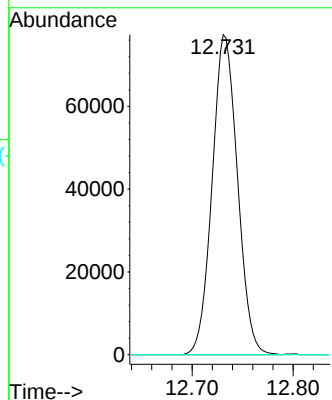
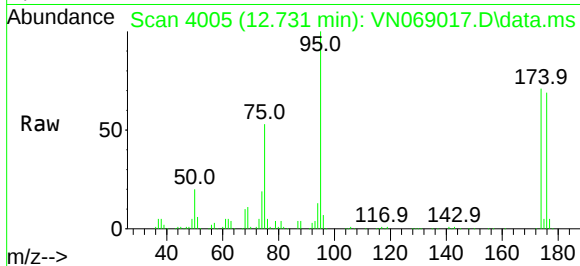




#81
trans-1,4-Dichloro-2-butene
Concen: 72.907 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 134386
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.817 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069017.D
Acq: 19 Oct 2021 7:55

Tgt Ion:128 Resp: 55
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

