

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068989.D
 Acq On : 18 Oct 2021 19:20
 Operator : JC/MD
 Sample : M4244-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:39:46 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

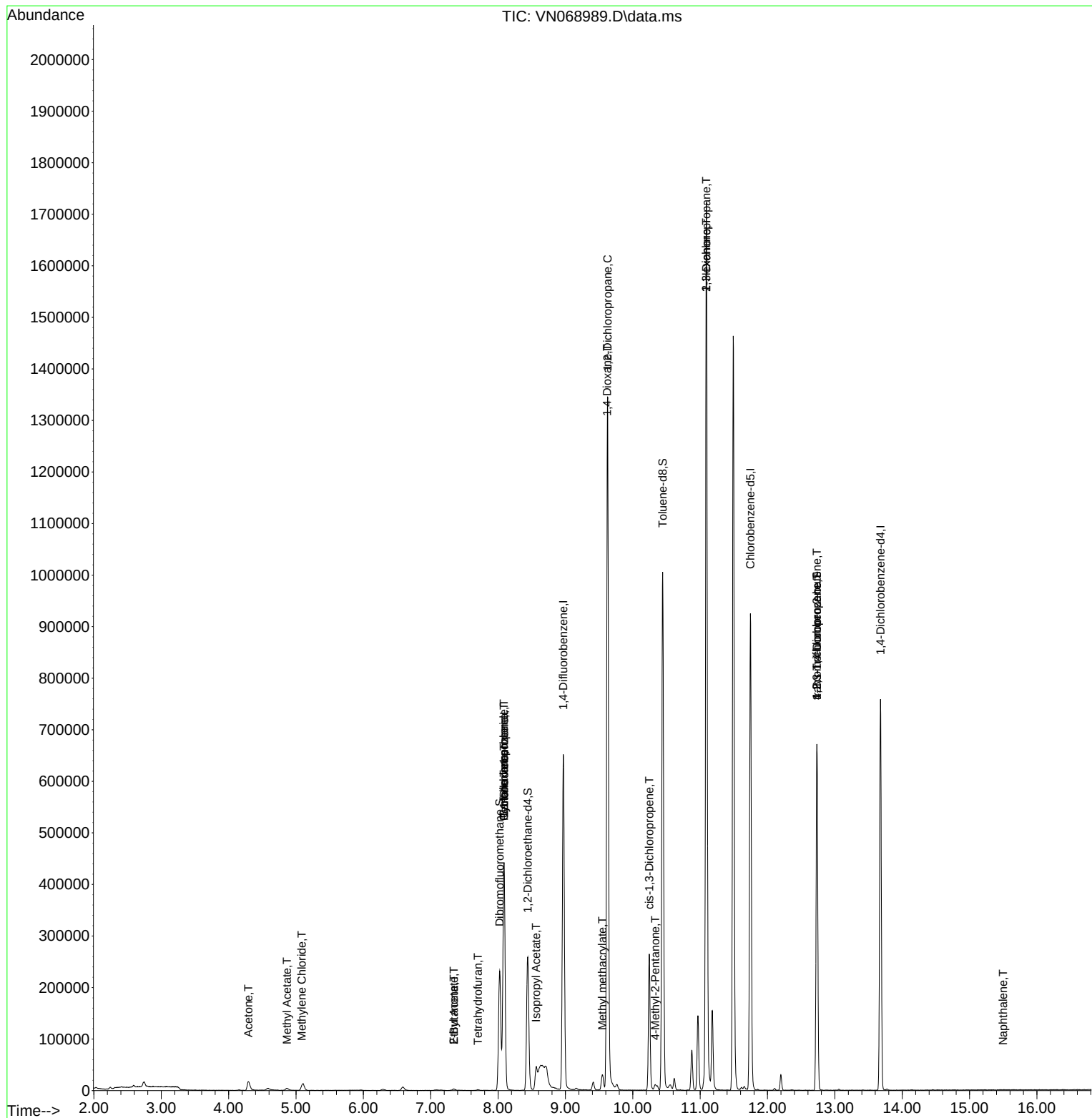
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.091	168	339016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	583574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	542202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	201186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	218758	48.941	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.880%
35) Dibromofluoromethane	8.024	113	175649	51.733	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.460%
50) Toluene-d8	10.443	98	725960	53.438	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.880%
62) 4-Bromofluorobenzene	12.734	95	247384	48.265	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.540%
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	33042	19.809	ug/l	98
18) Methyl Acetate	4.867	43	9017	1.425	ug/l	91
20) Methylene Chloride	5.087	84	3842	1.001	ug/l #	88
25) 2-Butanone	7.343	43	5955	2.361	ug/l	93
29) Tetrahydrofuran	7.702	42	1211	0.740	ug/l #	55
31) Cyclohexane	8.086	56	7566	1.089	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27869	5.591	ug/l #	50
37) Ethyl Acetate	7.343	43	5955	1.157	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34609	6.322	ug/l #	16
43) Isopropyl Acetate	8.566	43	52037	5.729	ug/l #	83
45) 1,2-Dichloropropane	9.628	63	1611	0.409	ug/l #	43
48) Methyl methacrylate	9.547	41	8453	1.981	ug/l #	13
49) 1,4-Dioxane	9.620	88	26	35.935	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	6087	1.156	ug/l #	83
54) cis-1,3-Dichloropropene	10.245	75	49734	7.574	ug/l #	60
57) 1,3-Dichloropropane	11.090	76	19560	3.081	ug/l #	42
59) 2-Hexanone	11.092	43	282934	74.909	ug/l #	49
76) 1,2,3-Trichloropropane	12.734	75	129916	30.349	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	129916	72.609	ug/l #	12
95) Naphthalene	15.496	128	155	3.827	ug/l #	69

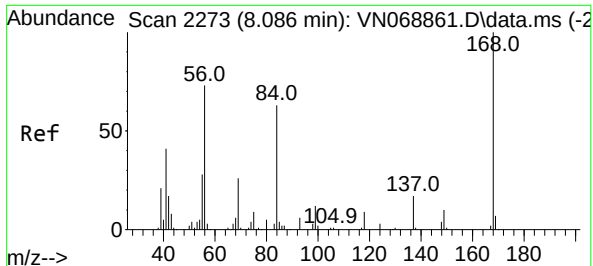
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

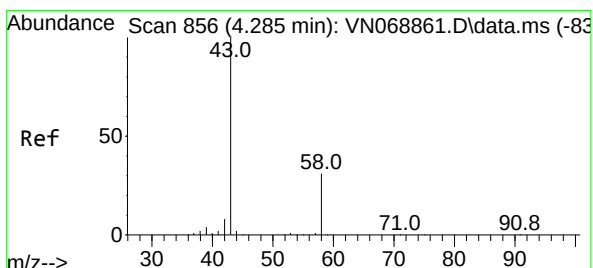
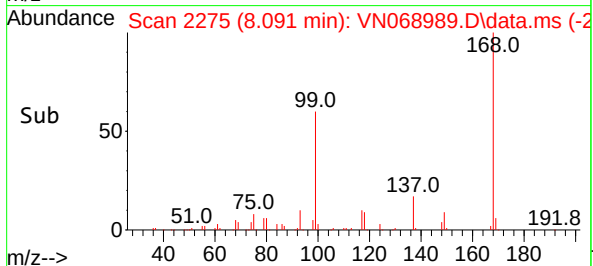
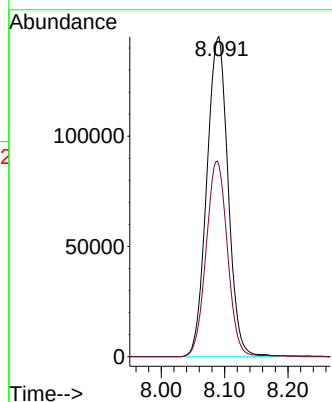
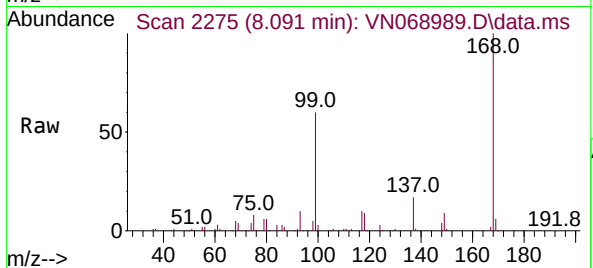




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

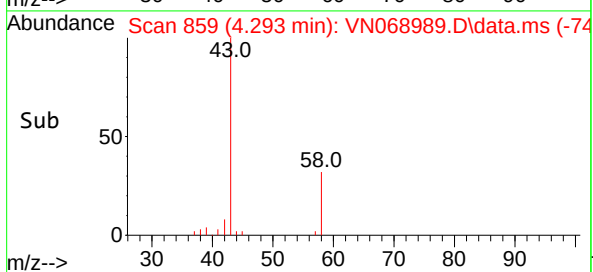
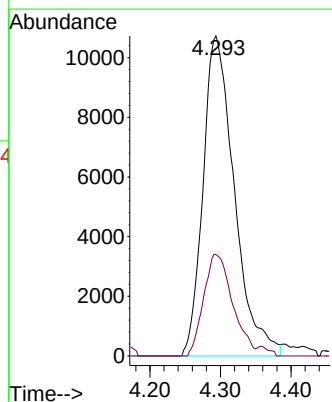
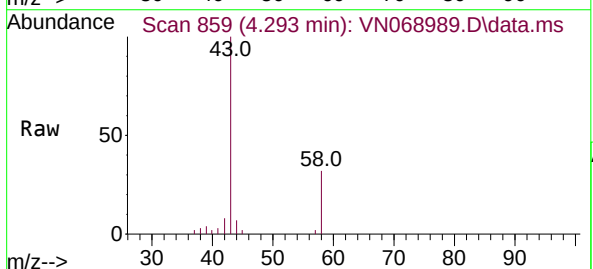
Instrument :
MSVOA_N
ClientSampled :

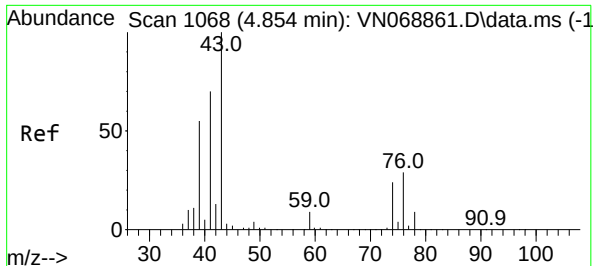
Tgt Ion:168 Resp: 339016
Ion Ratio Lower Upper
168 100
99 59.9 48.9 73.3



#16
Acetone
Concen: 19.809 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 43 Resp: 33042
Ion Ratio Lower Upper
43 100
58 31.7 24.5 36.7





#18

Methyl Acetate

Concen: 1.425 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.014 min

Lab File: VN068989.D

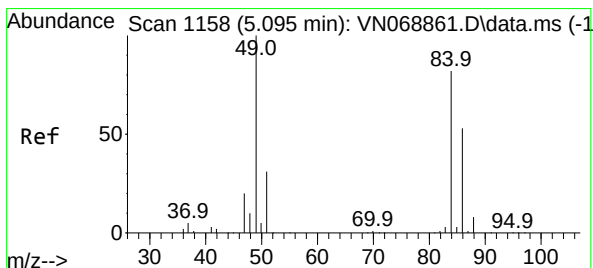
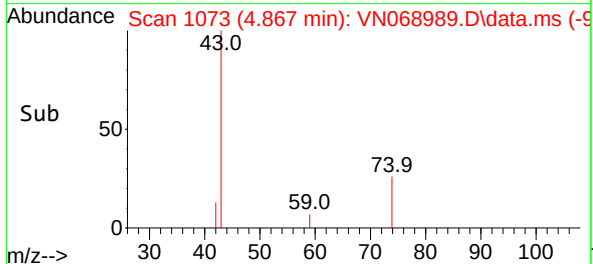
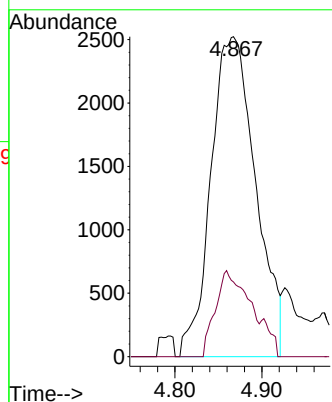
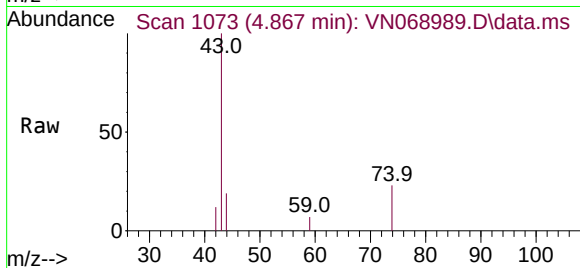
Acq: 18 Oct 2021 19:20

Tgt Ion: 43 Resp: 9017

Ion Ratio Lower Upper

43 100

74 19.4 18.9 28.3



#20

Methylene Chloride

Concen: 1.001 ug/l

RT: 5.087 min Scan# 1155

Delta R.T. -0.008 min

Lab File: VN068989.D

Acq: 18 Oct 2021 19:20

Tgt Ion: 84 Resp: 3842

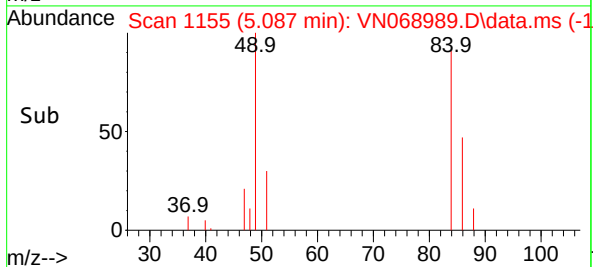
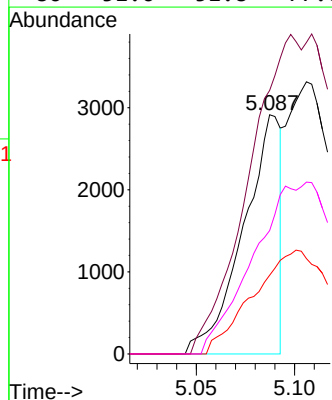
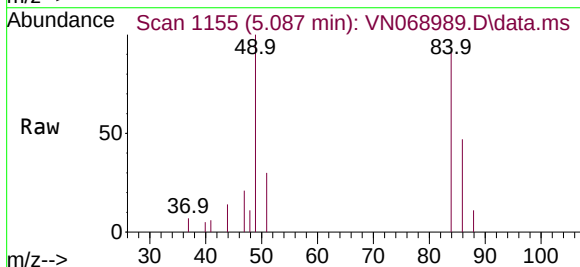
Ion Ratio Lower Upper

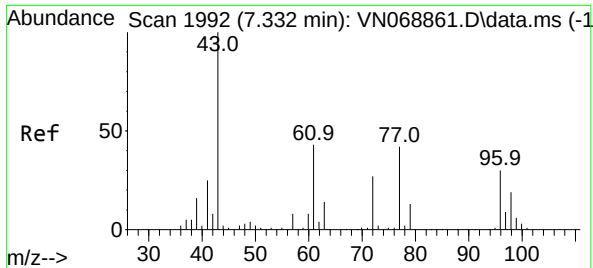
84 100

49 110.2 97.6 146.4

51 32.9 30.3 45.5

86 51.6 51.8 77.6#

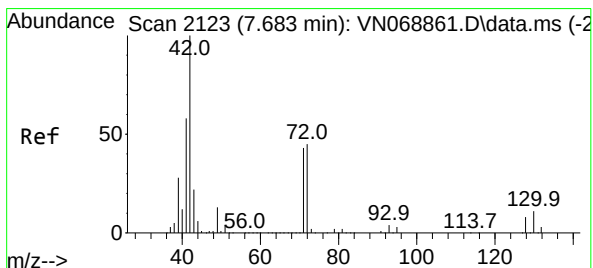
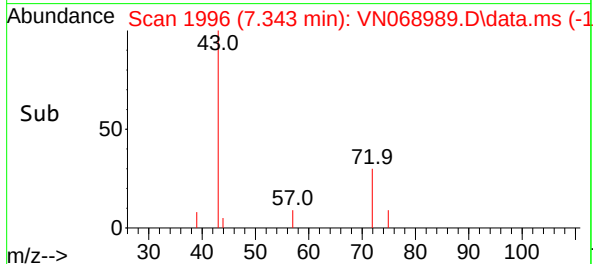
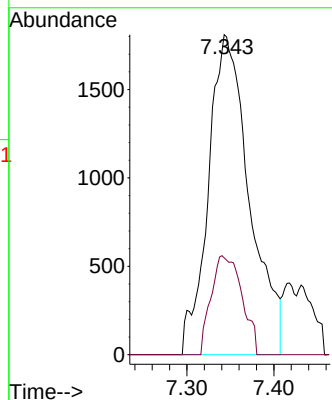
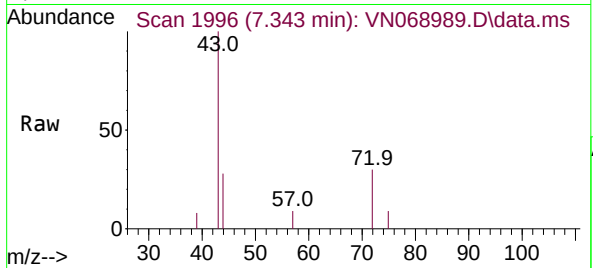




#25
2-Butanone
Concen: 2.361 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

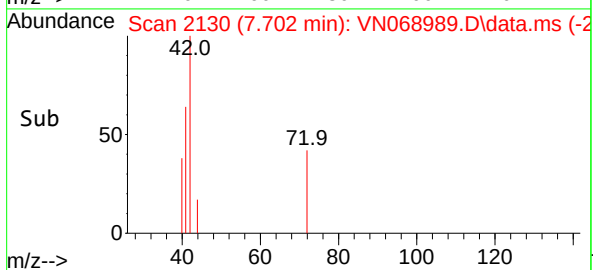
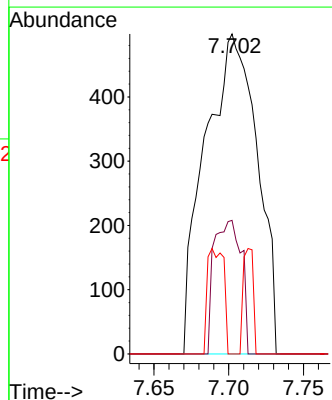
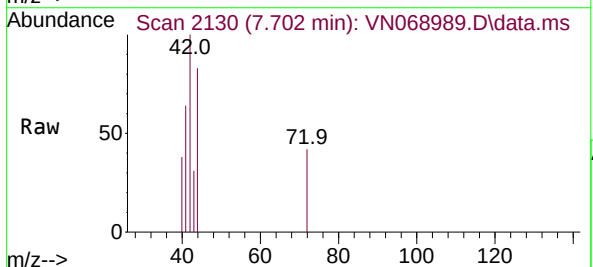
Instrument :
MSVOA_N
ClientSampled :

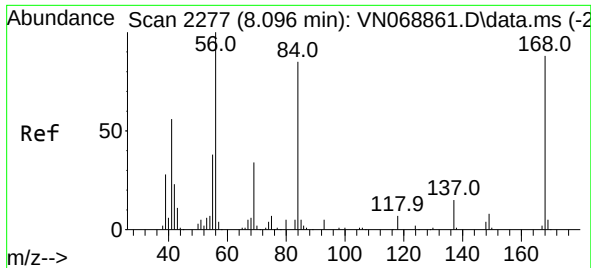
Tgt Ion: 43 Resp: 5955
Ion Ratio Lower Upper
43 100
72 30.3 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.740 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 42 Resp: 1211
Ion Ratio Lower Upper
42 100
72 21.8 35.4 53.2#
71 6.4 33.8 50.6#

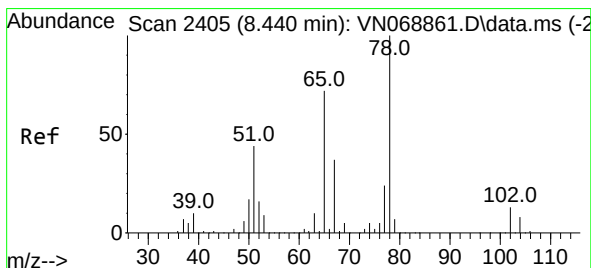
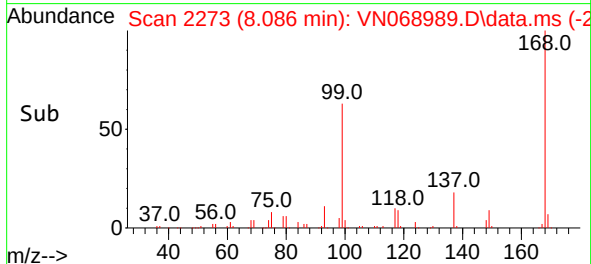
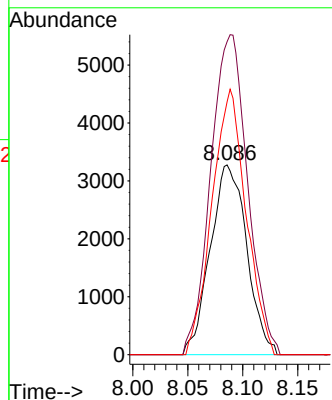
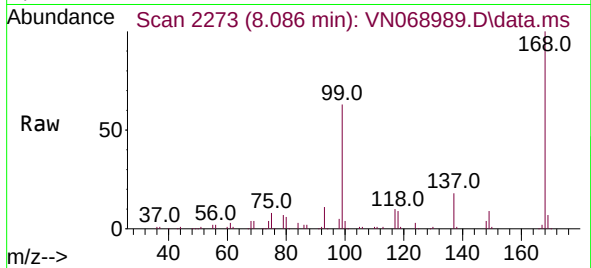




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

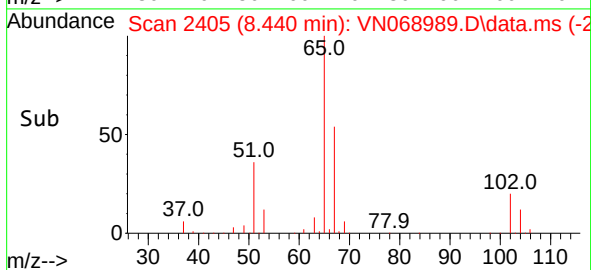
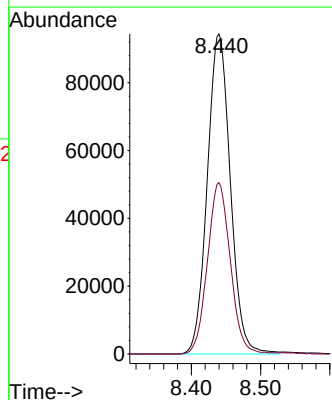
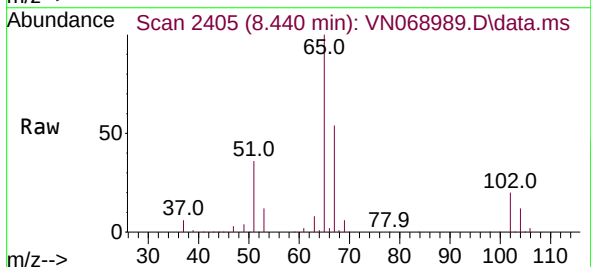
Instrument :
MSVOA_N
ClientSampled :

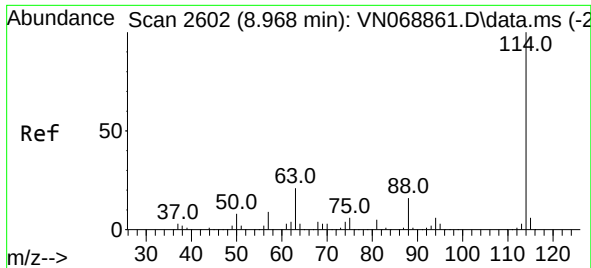
Tgt Ion: 56 Resp: 7566
Ion Ratio Lower Upper
56 100
69 165.0 26.9 40.3#
84 133.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.941 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 65 Resp: 218758
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.8

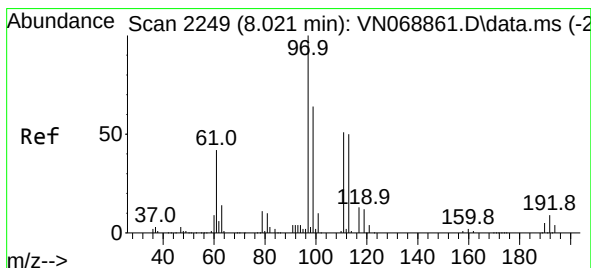
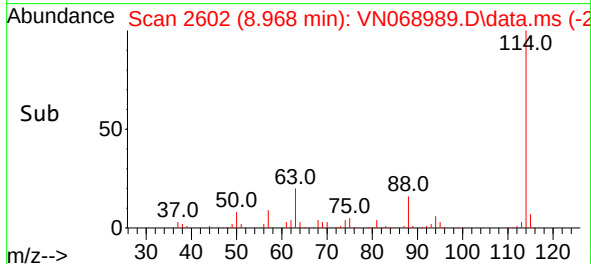
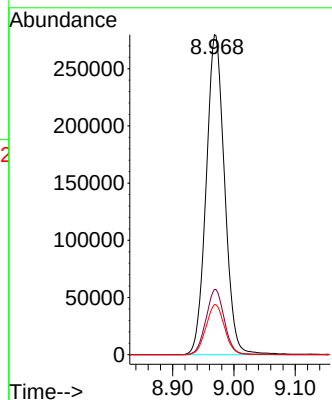
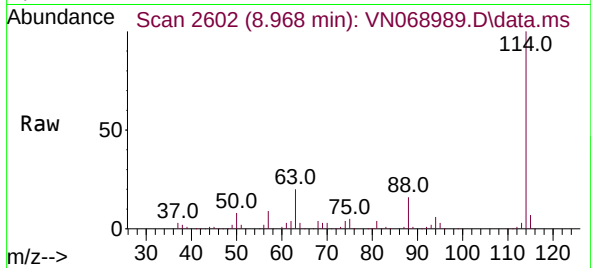




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

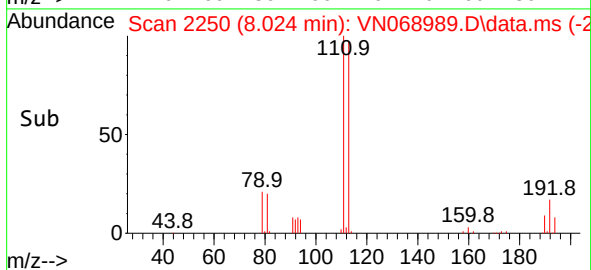
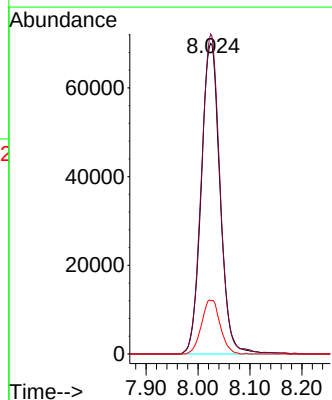
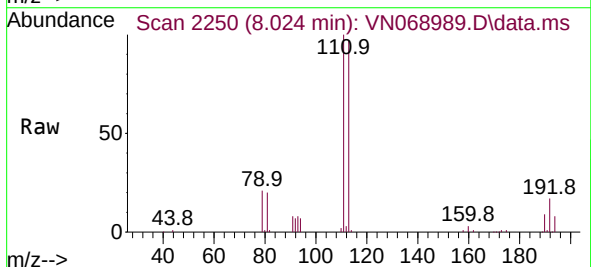
Instrument :
MSVOA_N
ClientSampled :

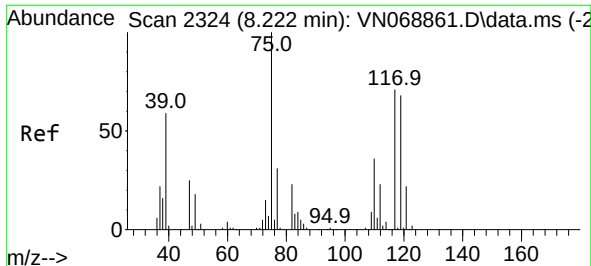
Tgt Ion:114 Resp: 583574
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.6 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.733 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion:113 Resp: 175649
Ion Ratio Lower Upper
113 100
111 102.1 83.2 124.8
192 17.3 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.591 ug/l

RT: 8.088 min Scan# 2274

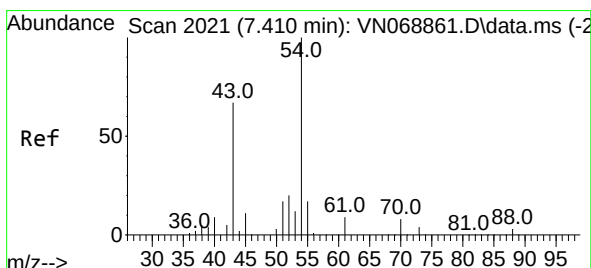
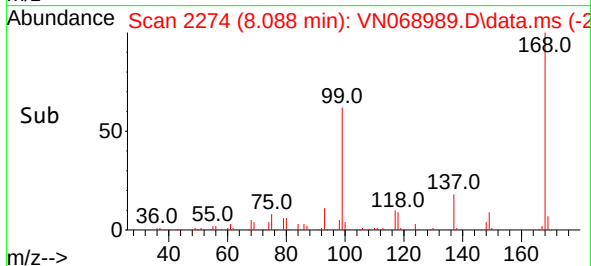
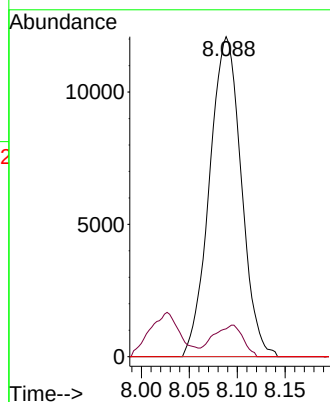
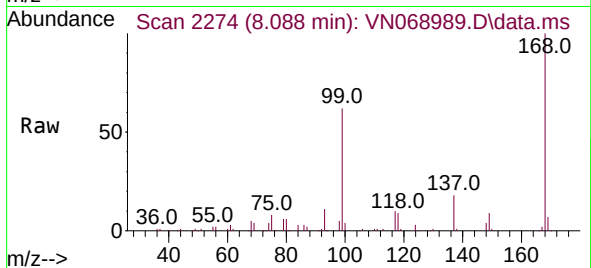
Delta R.T. -0.134 min

Lab File: VN068989.D

Acq: 18 Oct 2021 19:20

Tgt Ion:	75	Resp:	27869
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :



#37

Ethyl Acetate

Concen: 1.157 ug/l

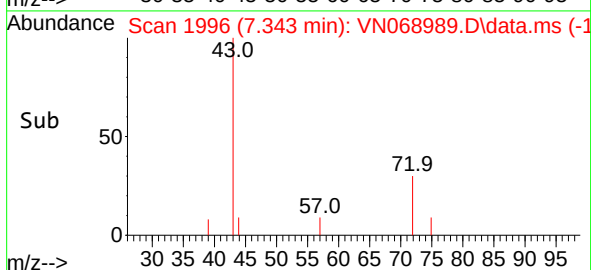
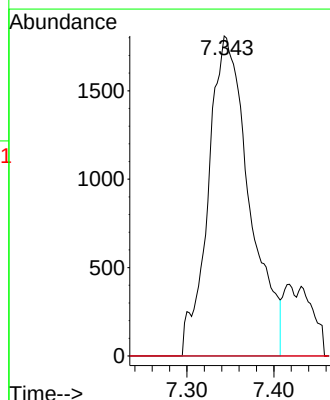
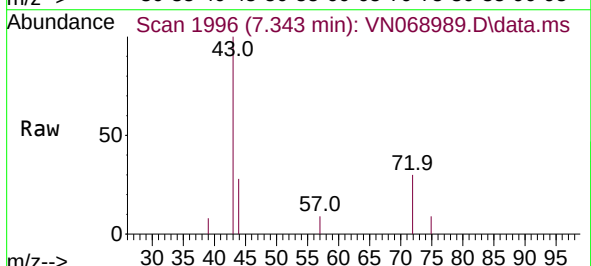
RT: 7.343 min Scan# 1996

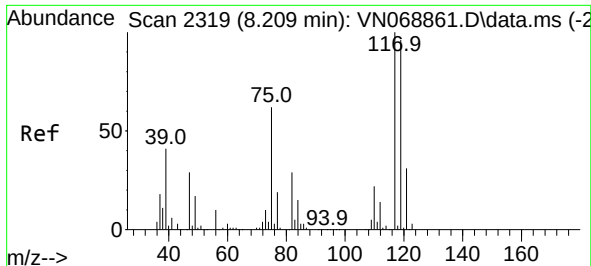
Delta R.T. -0.067 min

Lab File: VN068989.D

Acq: 18 Oct 2021 19:20

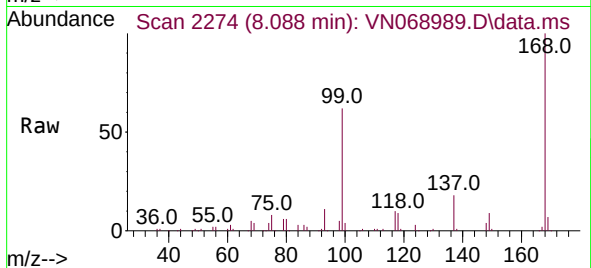
Tgt Ion:	43	Resp:	5955
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



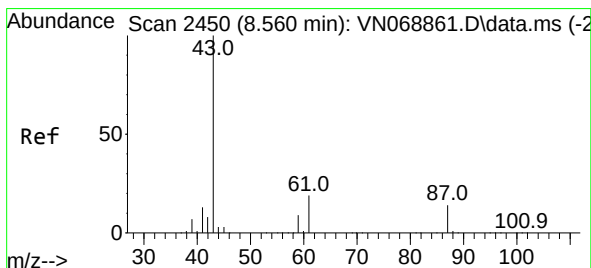
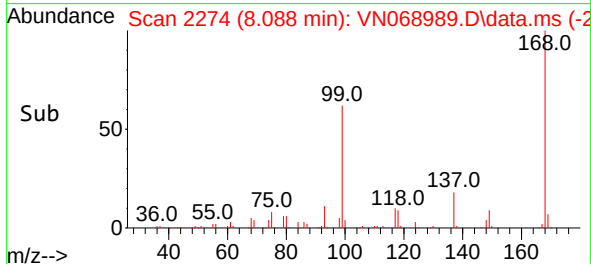
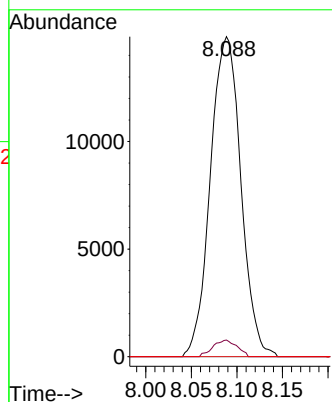


#38
Carbon Tetrachloride
Concen: 6.322 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Instrument :
MSVOA_N
ClientSampled :

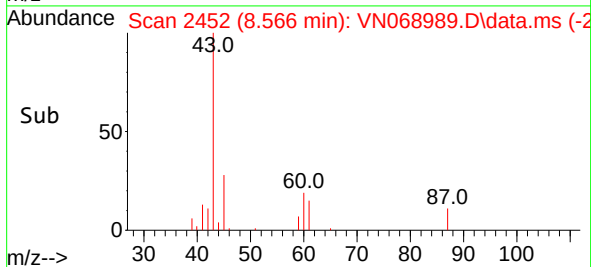
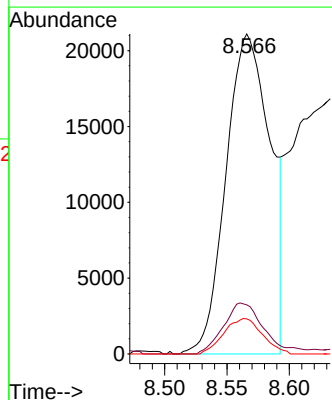
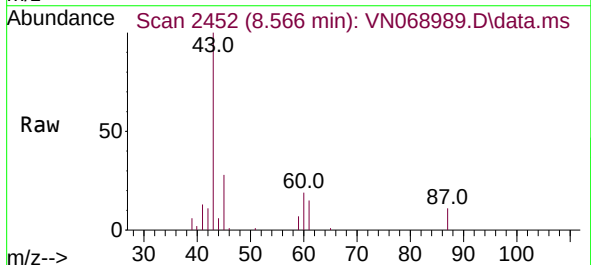


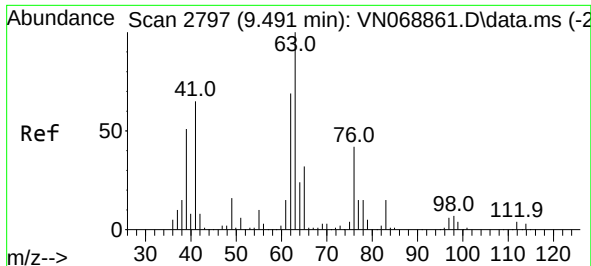
Tgt Ion:117 Resp: 34609
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.729 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 43 Resp: 52037
Ion Ratio Lower Upper
43 100
61 14.7 20.4 30.6#
87 9.7 10.7 16.1#

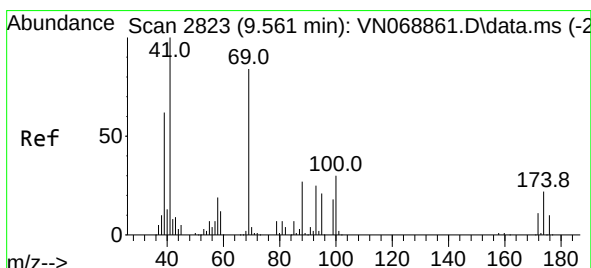
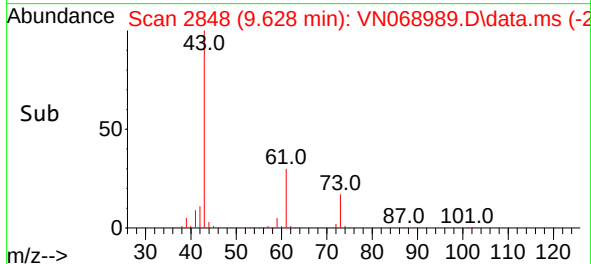
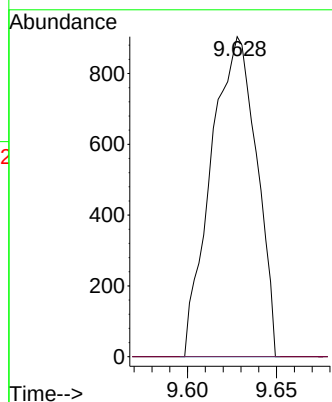
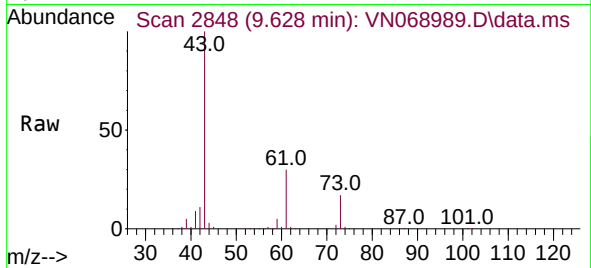




#45
1,2-Dichloropropane
Concen: 0.409 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

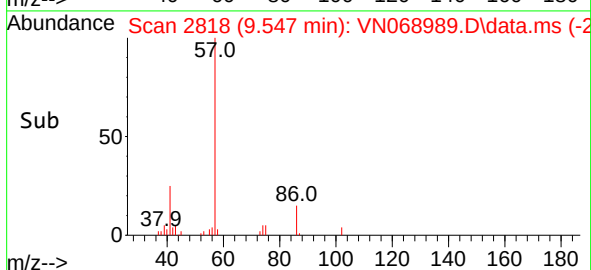
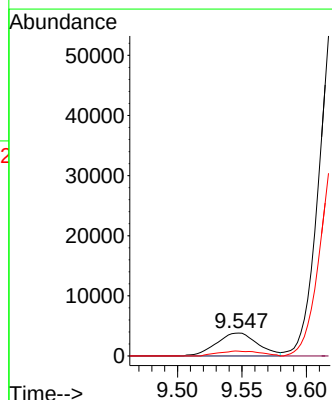
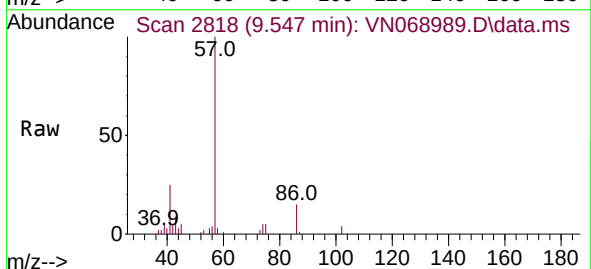
Instrument :
MSVOA_N
ClientSampled :

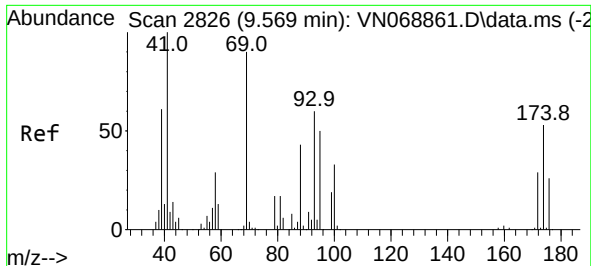
Tgt Ion: 63 Resp: 1611
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.981 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 41 Resp: 8453
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: 35.935 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.051 min

Lab File: VN068989.D

Acq: 18 Oct 2021 19:20

Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

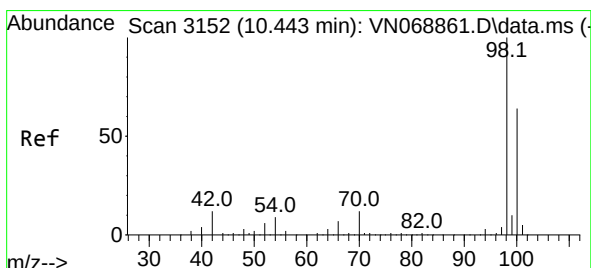
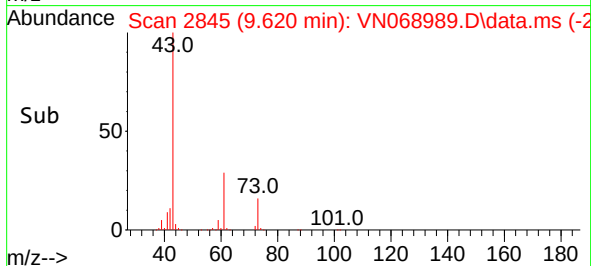
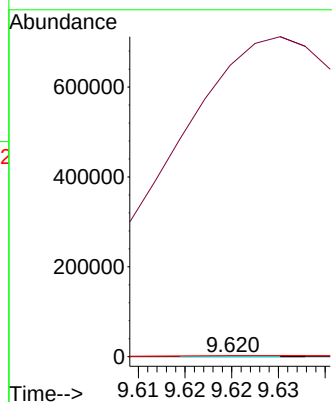
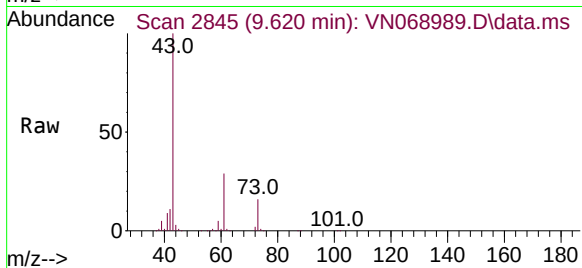
43 5244130.8 24.9 37.3#

58 19042.3 56.9 85.3#

Instrument :

MSVOA_N

ClientSampleId :



#50

Toluene-d8

Concen: 53.438 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068989.D

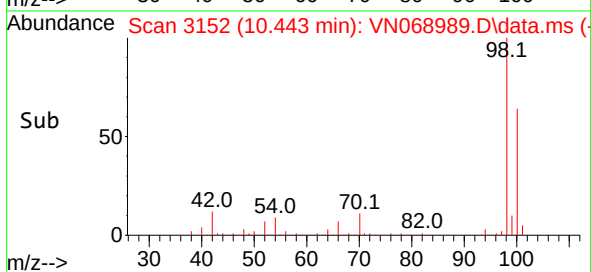
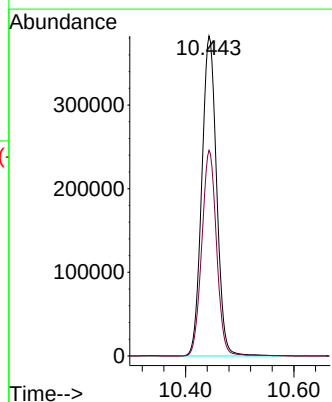
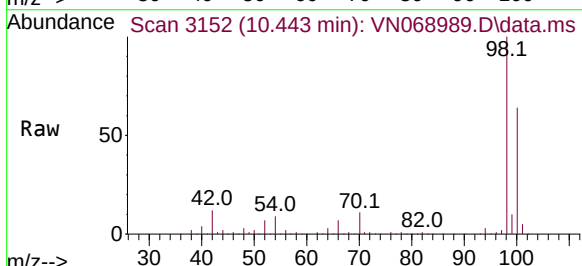
Acq: 18 Oct 2021 19:20

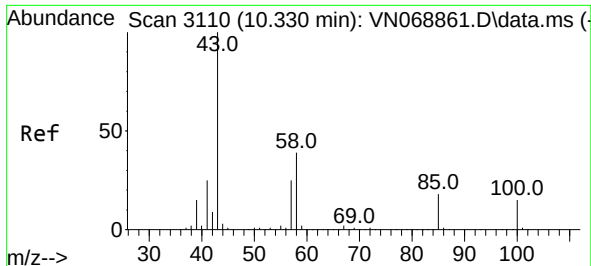
Tgt Ion: 98 Resp: 725960

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3

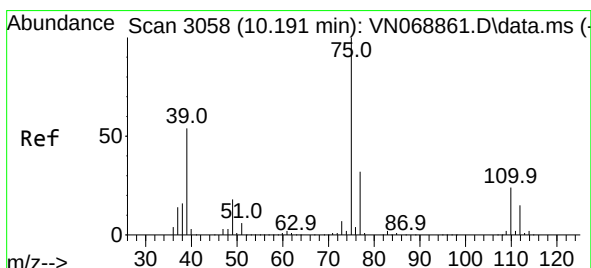
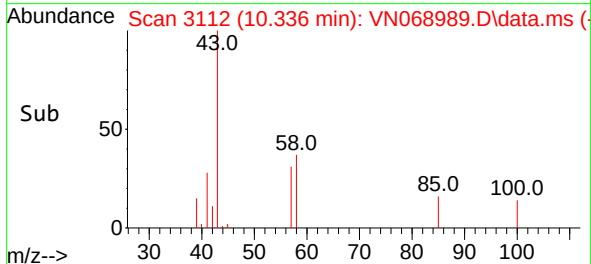
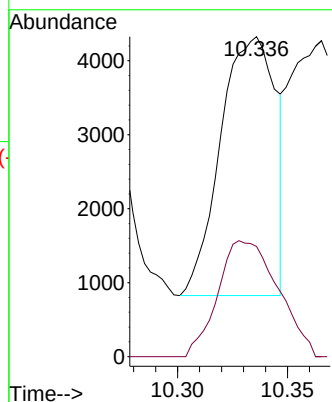
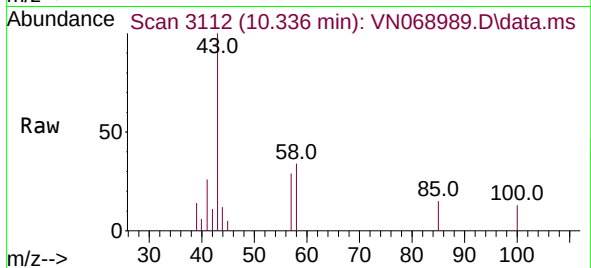




#51
4-Methyl-2-Pentanone
Concen: 1.156 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

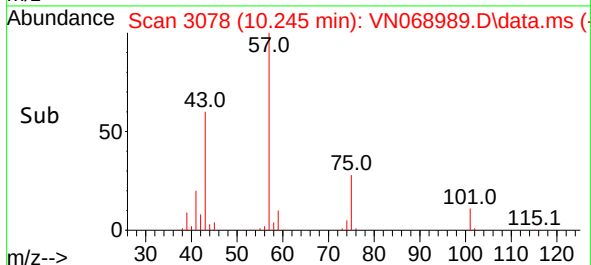
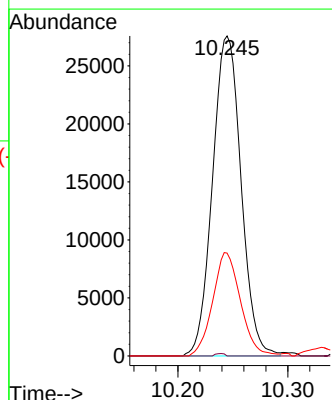
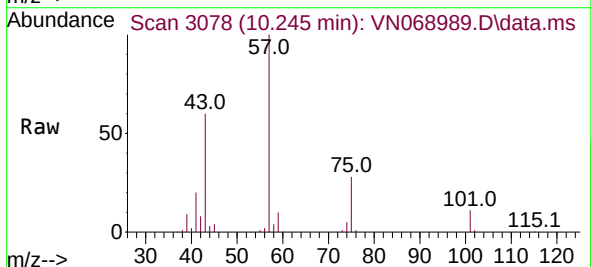
Instrument :
MSVOA_N
ClientSampled :

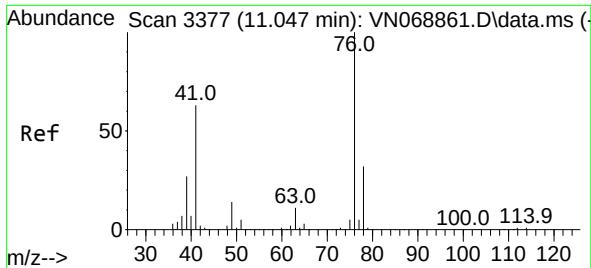
Tgt Ion: 43 Resp: 6087
Ion Ratio Lower Upper
43 100
58 49.0 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 7.574 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 75 Resp: 49734
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 32.1 42.9 64.3#

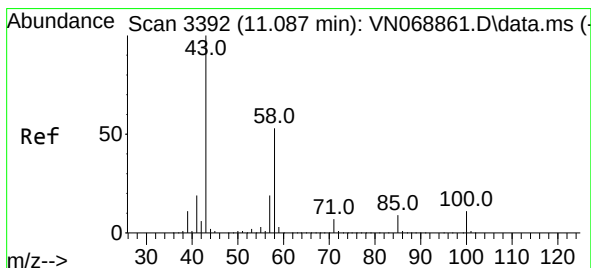
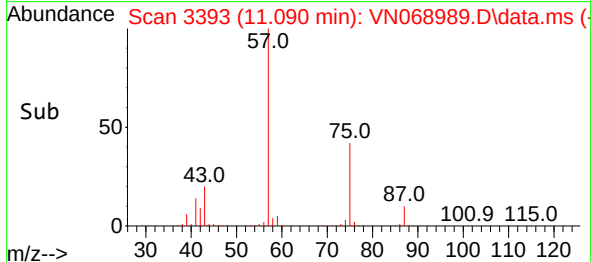
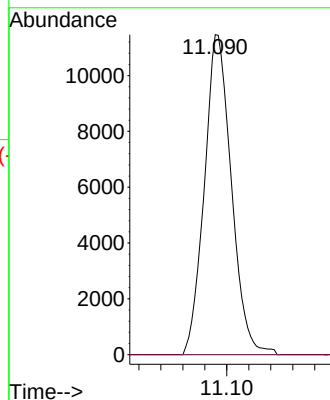
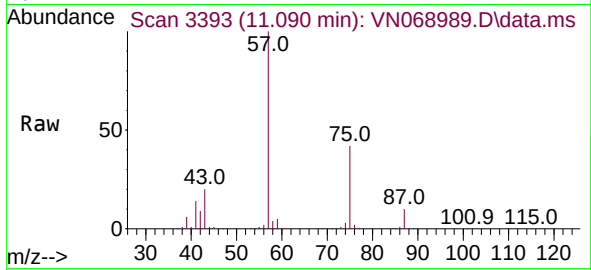




#57
1,3-Dichloropropane
Concen: 3.081 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

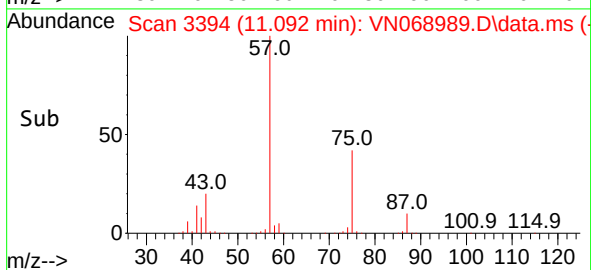
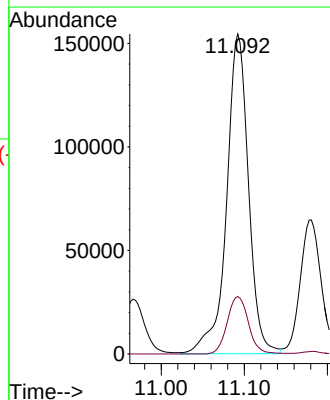
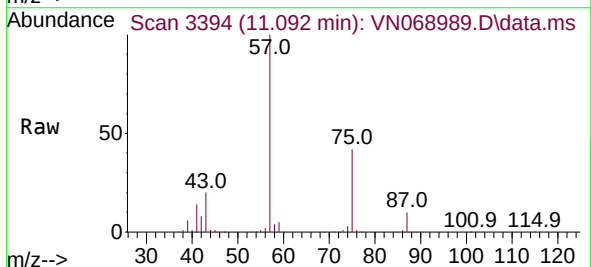
Instrument :
MSVOA_N
ClientSampled :

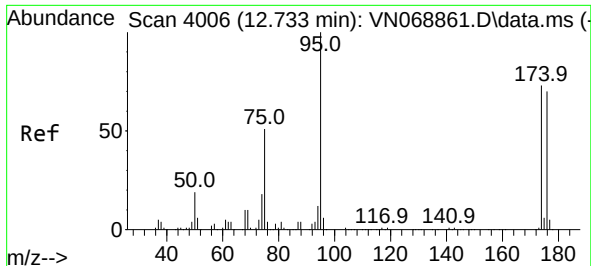
Tgt Ion: 76 Resp: 19560
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 74.909 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 43 Resp: 282934
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#

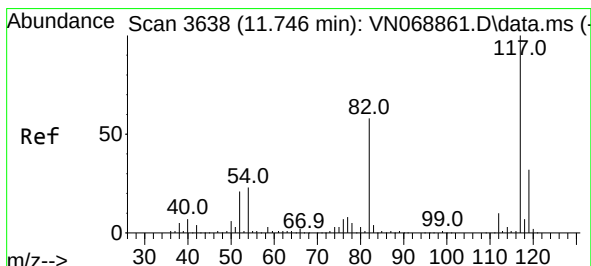
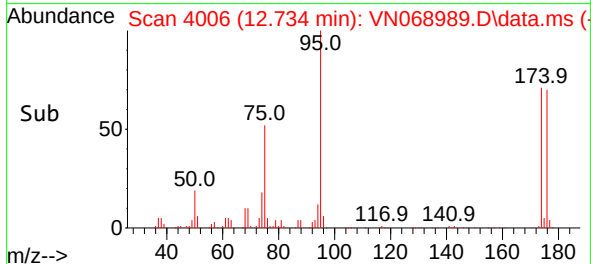
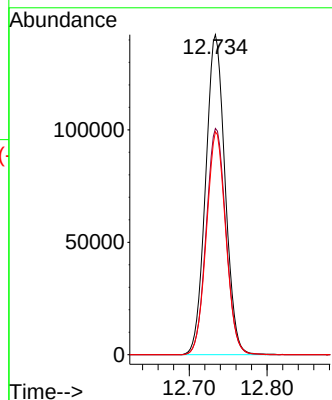
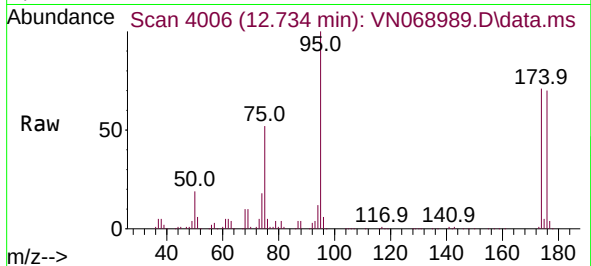




#62
4-Bromofluorobenzene
Concen: 48.265 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

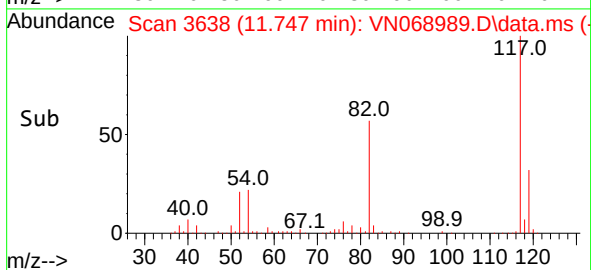
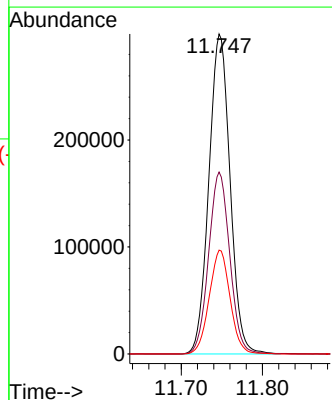
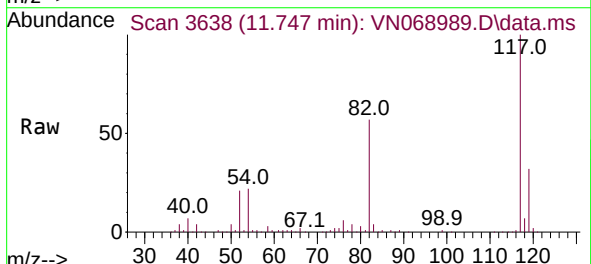
Instrument :
MSVOA_N
ClientSampled :

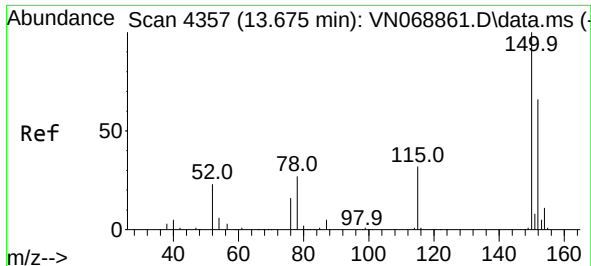
Tgt Ion: 95 Resp: 247384
Ion Ratio Lower Upper
95 100
174 71.6 0.0 144.8
176 69.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion: 117 Resp: 542202
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 32.5 26.0 39.0

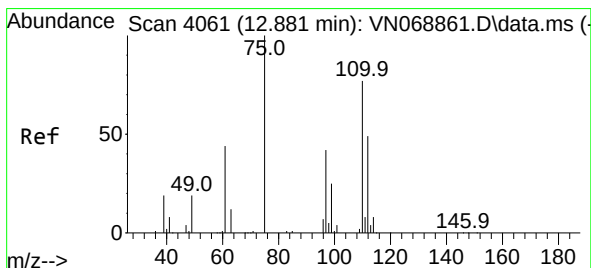
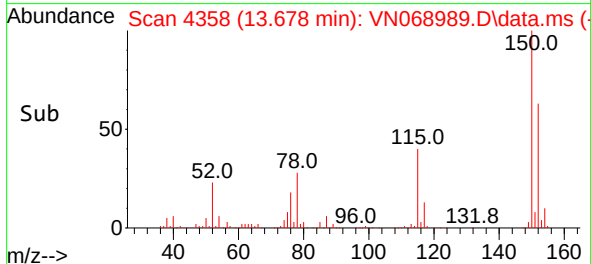
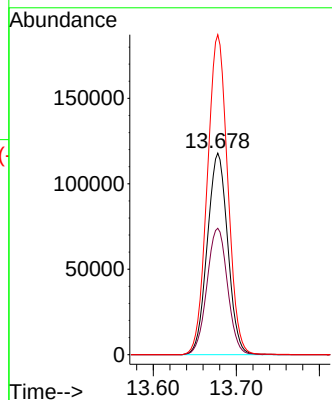
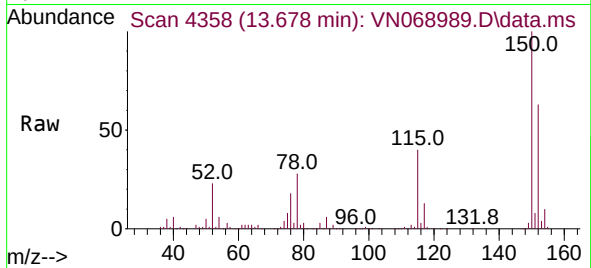




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068989.D
 Acq: 18 Oct 2021 19:20

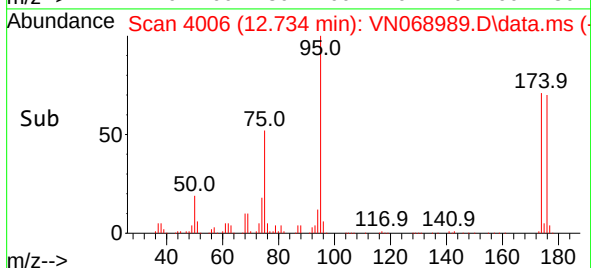
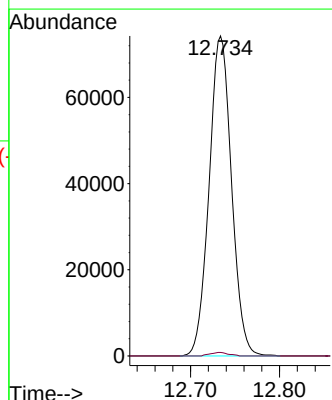
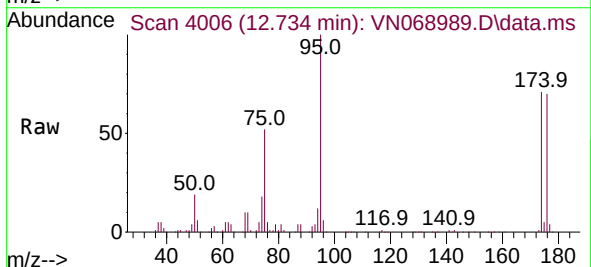
Instrument :
 MSVOA_N
 ClientSampled :

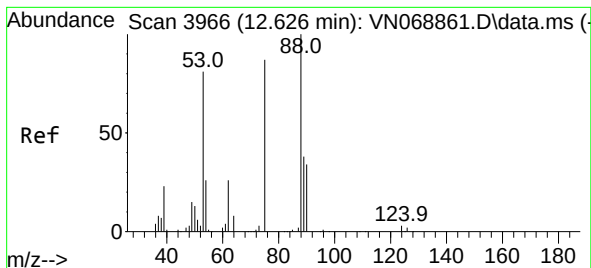
Tgt Ion:152 Resp: 201186
 Ion Ratio Lower Upper
 152 100
 115 63.4 31.4 94.3
 150 158.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.349 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN068989.D
 Acq: 18 Oct 2021 19:20

Tgt Ion: 75 Resp: 129916
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

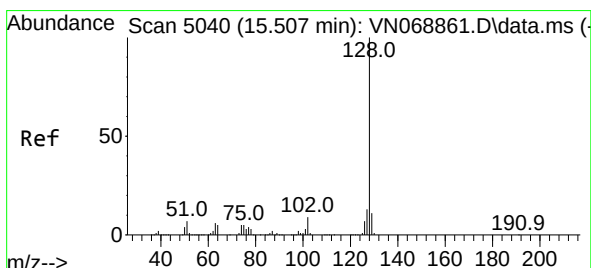
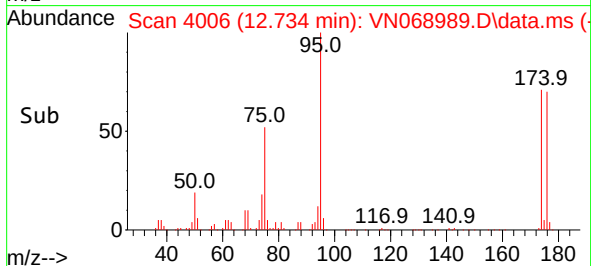
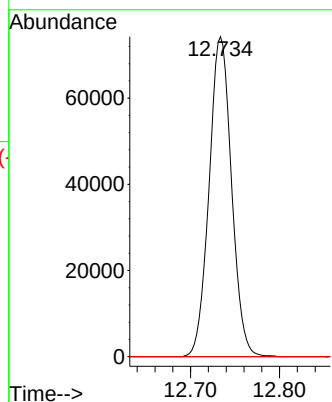
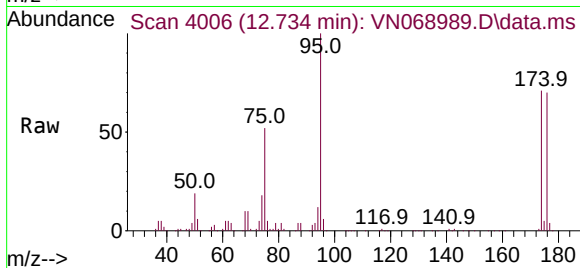




#81
trans-1,4-Dichloro-2-butene
Concen: 72.609 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 129916
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.827 ug/l
RT: 15.496 min Scan# 5036
Delta R.T. -0.011 min
Lab File: VN068989.D
Acq: 18 Oct 2021 19:20

Tgt Ion:128 Resp: 155
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

