

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068987.D
 Acq On : 18 Oct 2021 18:30
 Operator : JC/MD
 Sample : M4243-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:39:01 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

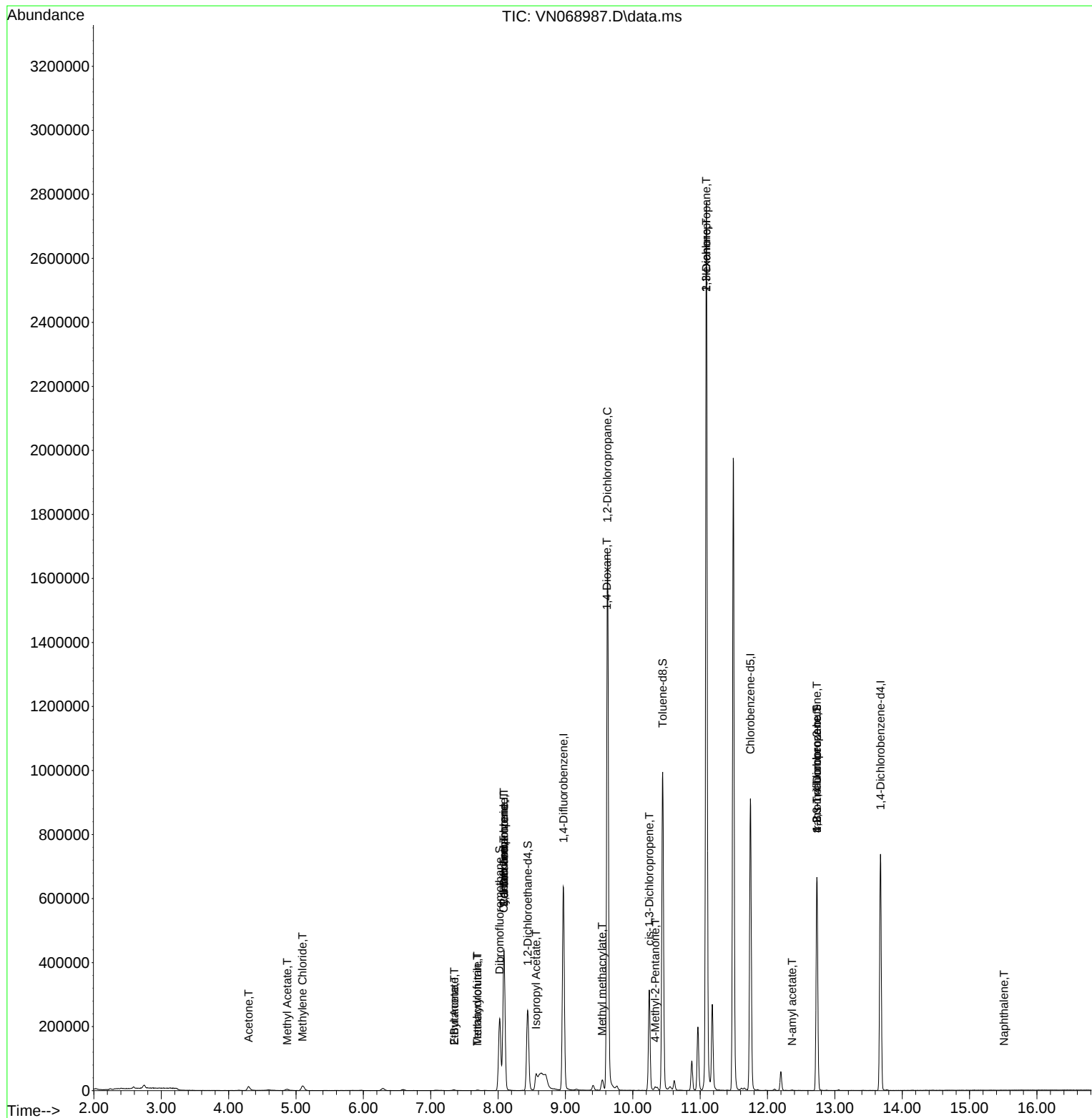
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	329355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	568320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	536874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	196402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	213800	49.235	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.480%
35) Dibromofluoromethane	8.024	113	169496	51.261	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.520%
50) Toluene-d8	10.443	98	708685	53.567	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.140%
62) 4-Bromofluorobenzene	12.733	95	247654	49.615	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.220%
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	23290	14.372	ug/l	98
18) Methyl Acetate	4.870	43	9940	1.617	ug/l #	74
20) Methylene Chloride	5.095	84	12270	3.290	ug/l	98
25) 2-Butanone	7.351	43	4445	1.814	ug/l	100
29) Tetrahydrofuran	7.691	42	621	0.391	ug/l	94
31) Cyclohexane	8.083	56	7502	1.111	ug/l #	5
36) 1,1-Dichloropropene	8.088	75	27361	5.636	ug/l #	49
37) Ethyl Acetate	7.351	43	4445	0.887	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34245	6.423	ug/l #	16
41) Methacrylonitrile	7.694	41	611	0.242	ug/l #	23
43) Isopropyl Acetate	8.566	43	58764	6.643	ug/l #	80
45) 1,2-Dichloropropane	9.622	63	2168	0.565	ug/l #	43
48) Methyl methacrylate	9.545	41	9024	2.171	ug/l #	13
49) 1,4-Dioxane	9.617	88	131	37.193	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	4982	0.971	ug/l #	75
54) cis-1,3-Dichloropropene	10.245	75	58914	9.213	ug/l #	58
57) 1,3-Dichloropropane	11.089	76	31222	5.050	ug/l #	42
59) 2-Hexanone	11.092	43	437704	118.996	ug/l #	50
74) N-amyl acetate	12.363	43	1256	0.203	ug/l #	44
76) 1,2,3-Trichloropropane	12.733	75	127697	30.558	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	127697	73.108	ug/l #	12
95) Naphthalene	15.512	128	80	3.820	ug/l #	69

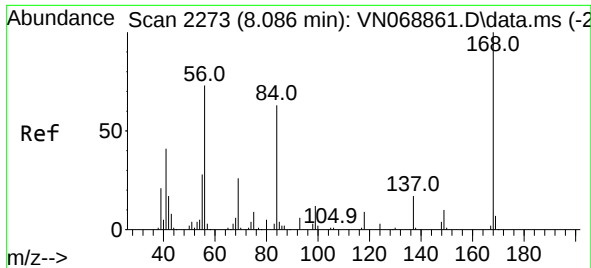
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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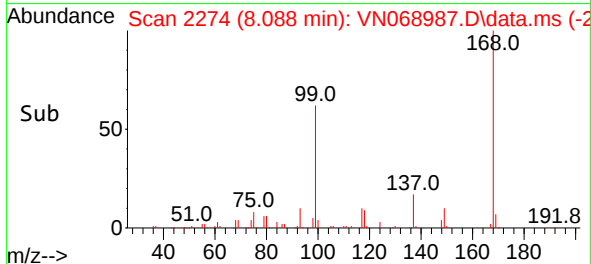
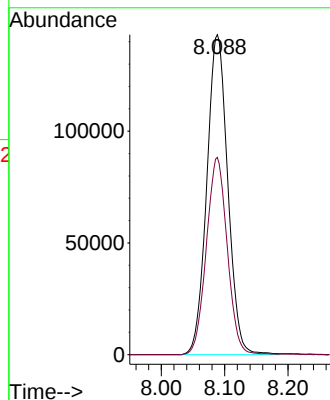
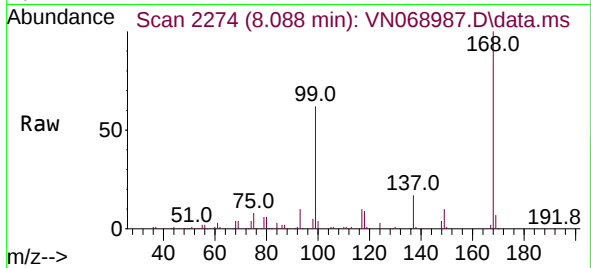




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

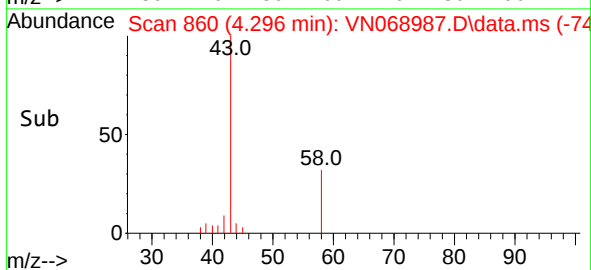
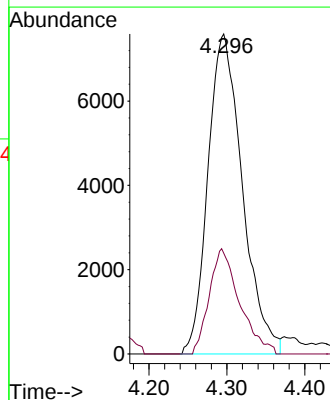
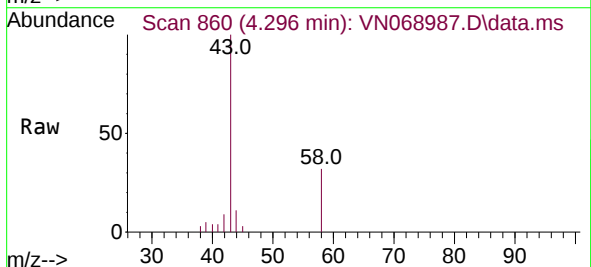
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 329355
Ion Ratio Lower Upper
168 100
99 61.7 48.9 73.3



#16
Acetone
Concen: 14.372 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 43 Resp: 23290
Ion Ratio Lower Upper
43 100
58 31.5 24.5 36.7

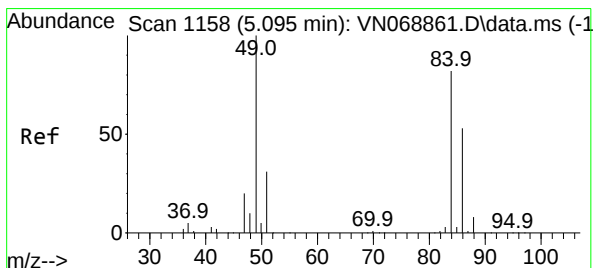
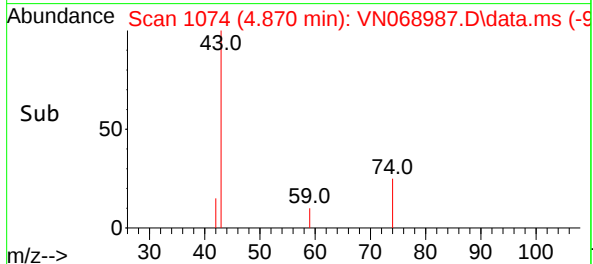
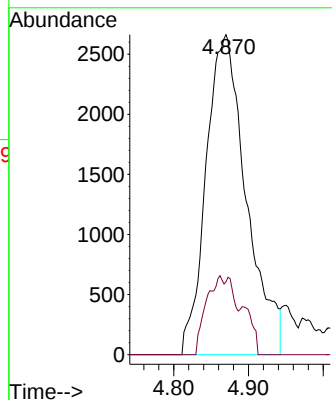
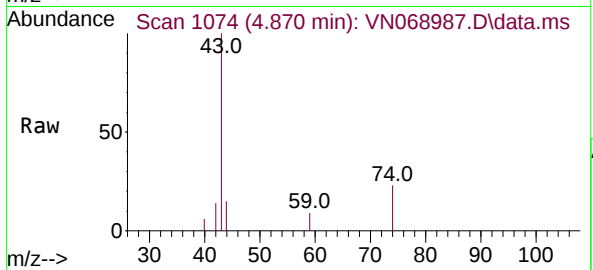




#18
Methyl Acetate
Concen: 1.617 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

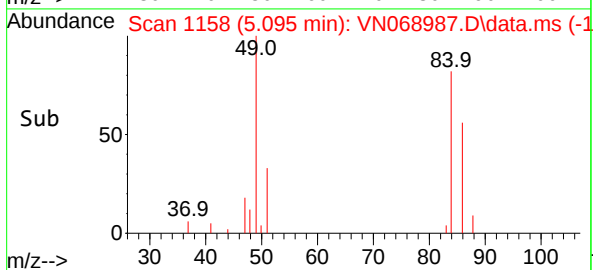
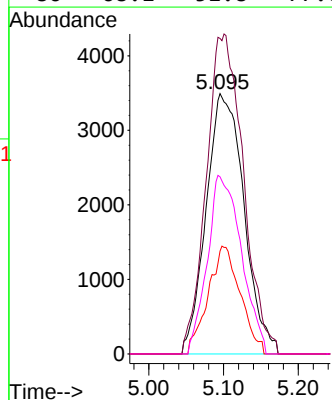
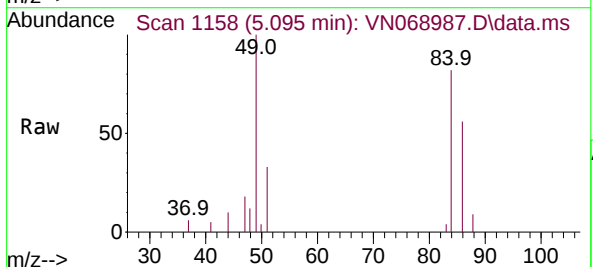
Instrument :
MSVOA_N
ClientSampled :

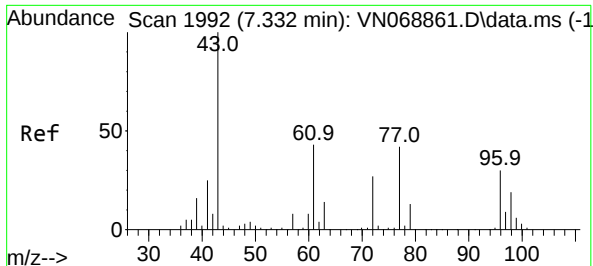
Tgt Ion: 43 Resp: 9940
Ion Ratio Lower Upper
43 100
74 10.8 18.9 28.3#



#20
Methylene Chloride
Concen: 3.290 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 84 Resp: 12270
Ion Ratio Lower Upper
84 100
49 121.2 97.6 146.4
51 39.5 30.3 45.5
86 68.1 51.8 77.6

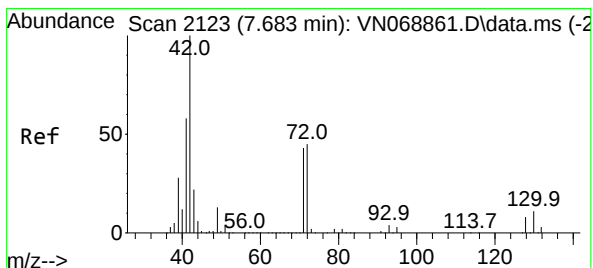
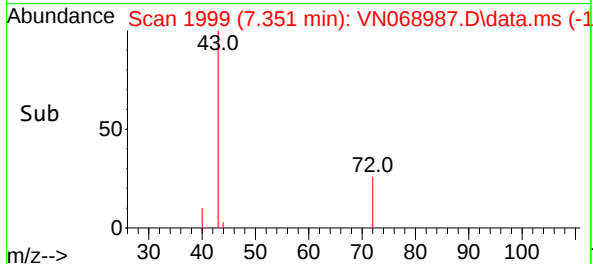
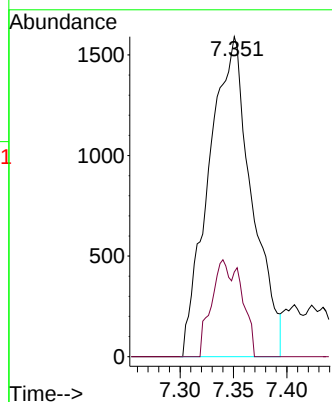
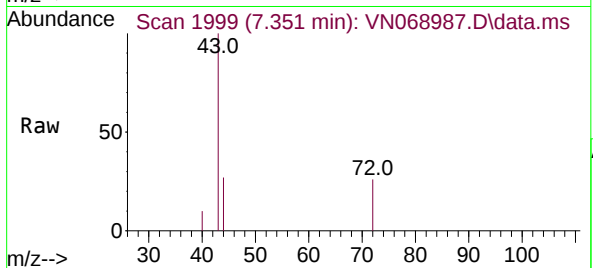




#25
2-Butanone
Concen: 1.814 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

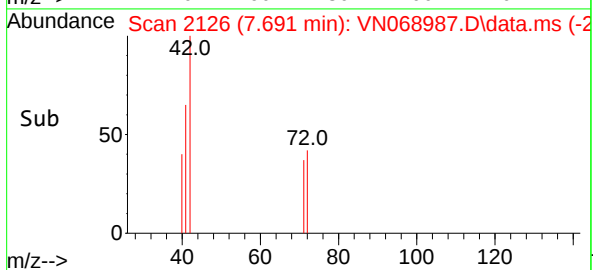
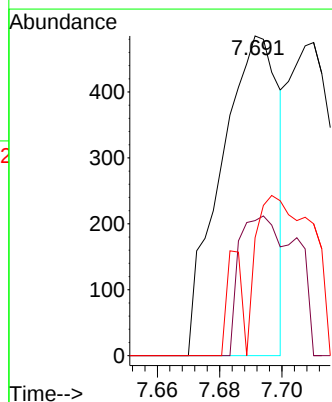
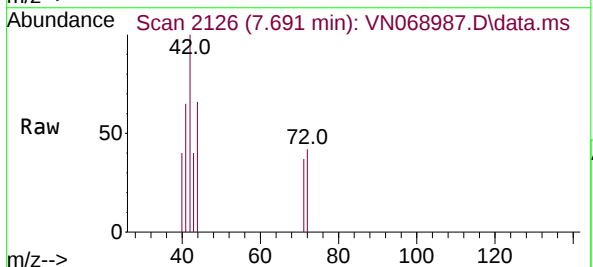
Instrument :
MSVOA_N
ClientSampled :

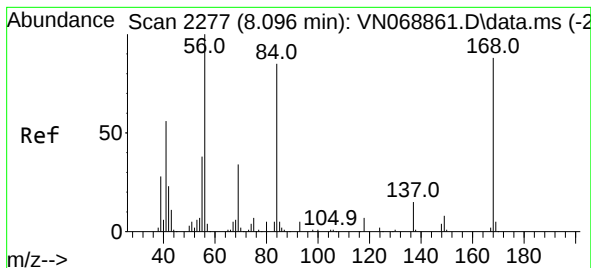
Tgt Ion: 43 Resp: 4445
Ion Ratio Lower Upper
43 100
72 26.5 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.008 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 42 Resp: 621
Ion Ratio Lower Upper
42 100
72 43.2 35.4 53.2
71 48.6 33.8 50.6

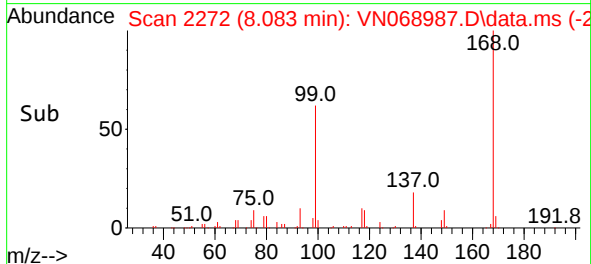
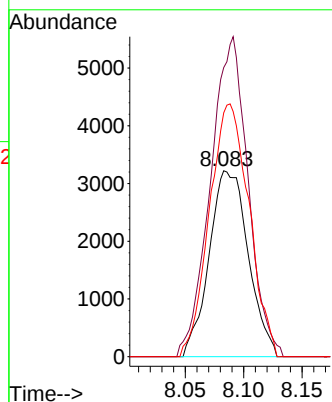
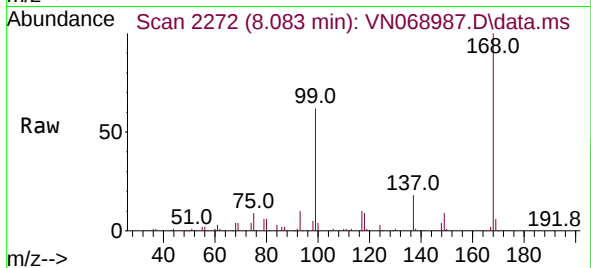




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

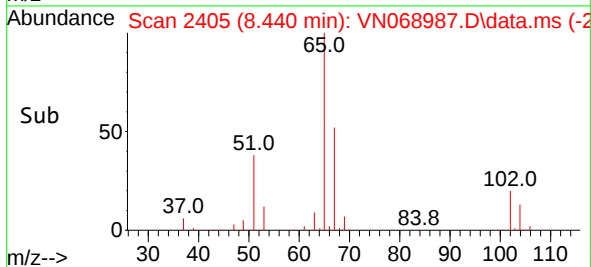
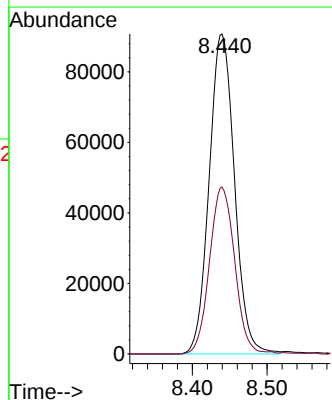
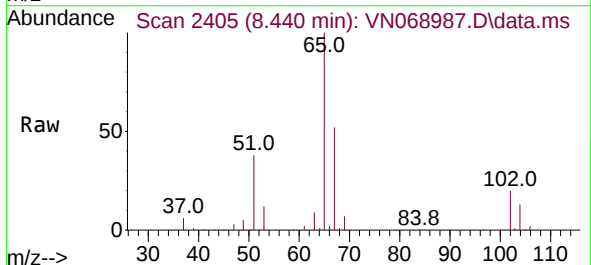
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7502
Ion Ratio Lower Upper
56 100
69 150.5 26.9 40.3#
84 131.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.235 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 65 Resp: 213800
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8

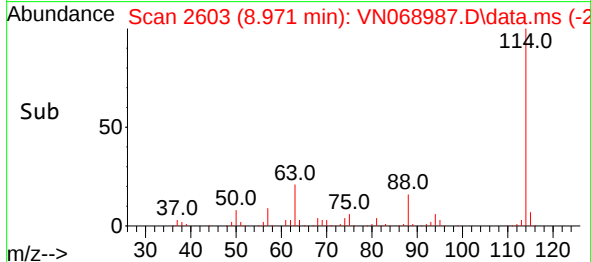
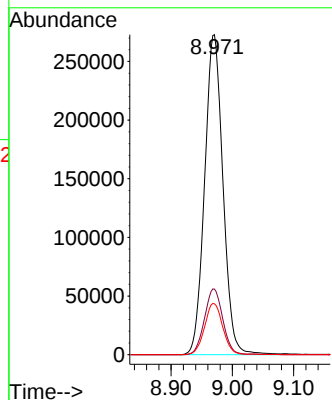
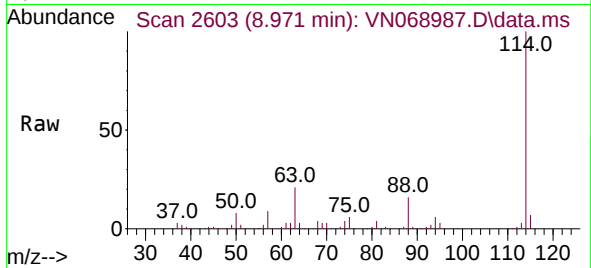




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

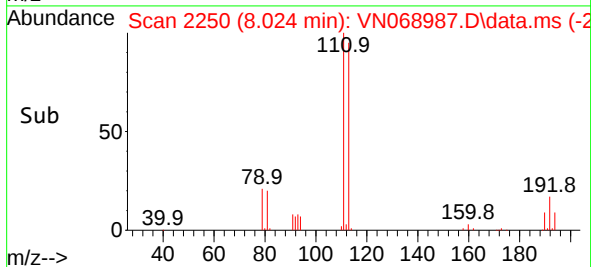
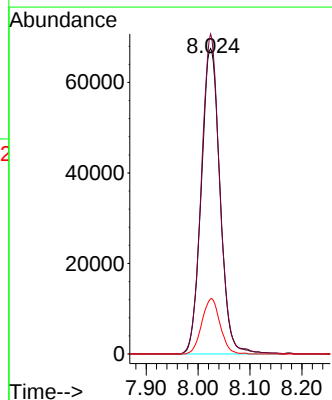
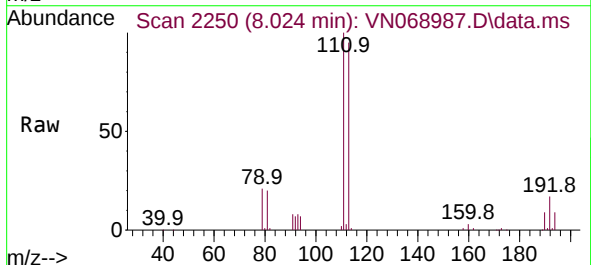
Instrument :
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ClientSampled :

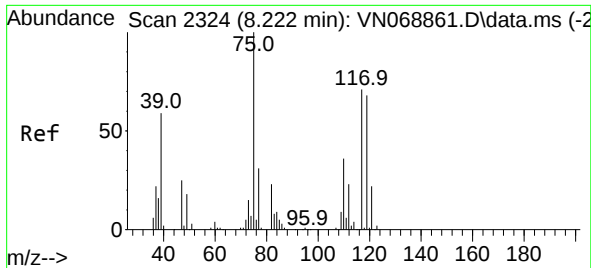
Tgt Ion:114 Resp: 568320
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.261 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion:113 Resp: 169496
Ion Ratio Lower Upper
113 100
111 101.3 83.2 124.8
192 17.6 15.0 22.4

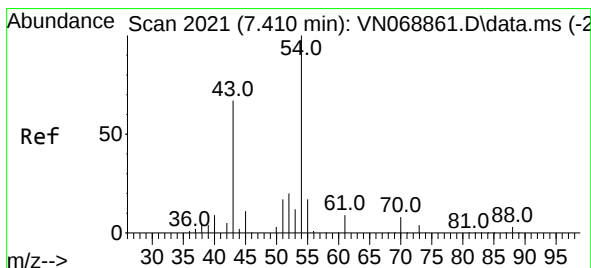
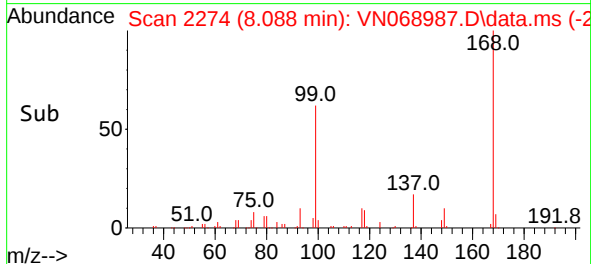
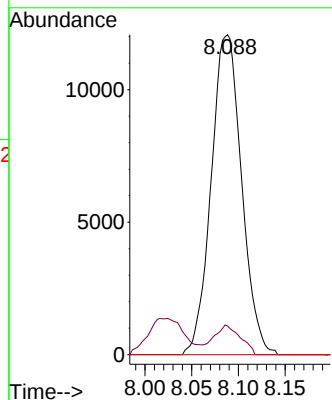
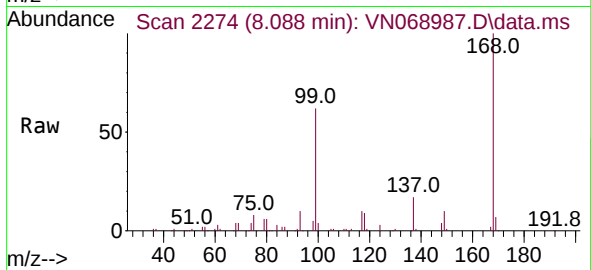




#36
1,1-Dichloropropene
Concen: 5.636 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

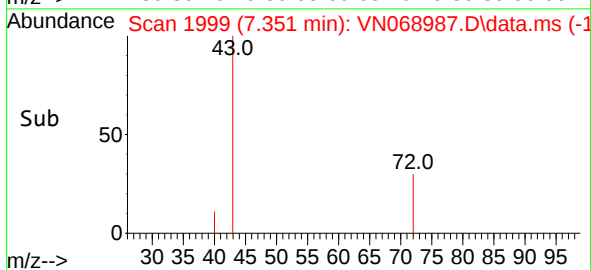
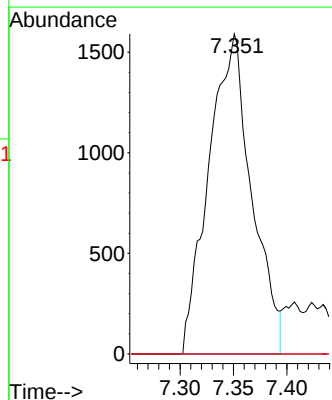
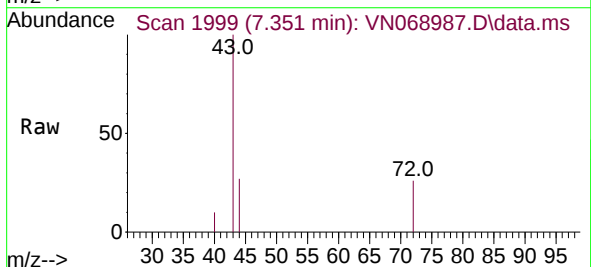
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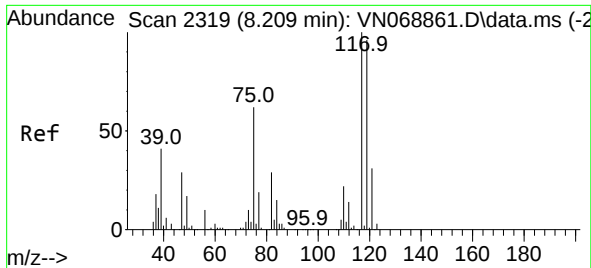
Tgt Ion: 75 Resp: 27361
Ion Ratio Lower Upper
75 100
110 8.1 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.887 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.059 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 43 Resp: 4445
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#

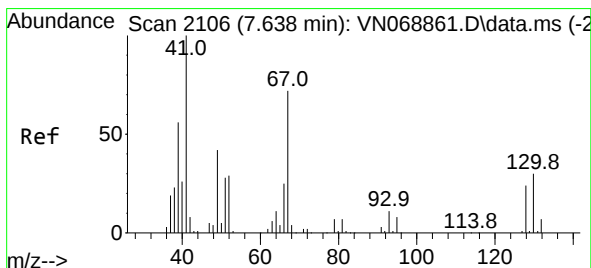
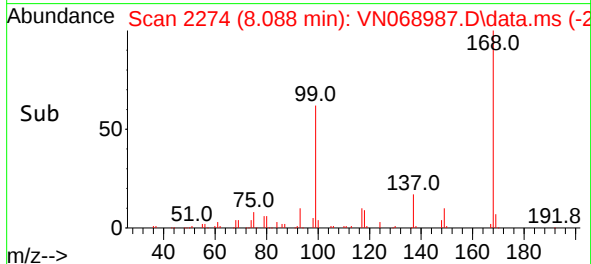
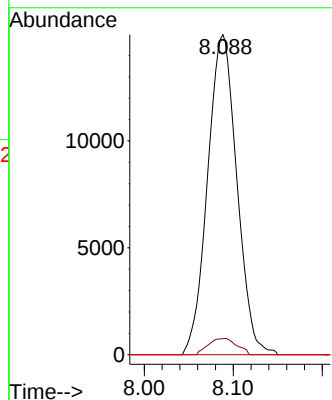
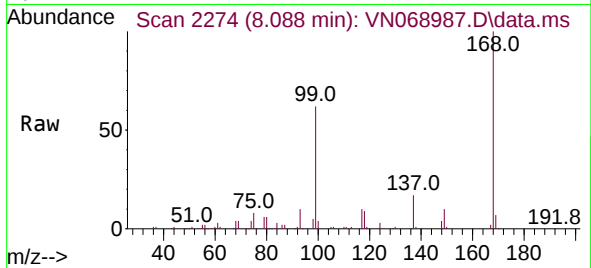




#38
Carbon Tetrachloride
Concen: 6.423 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

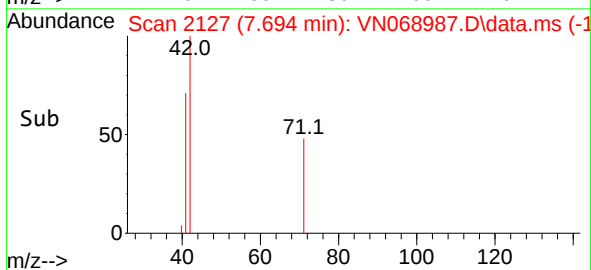
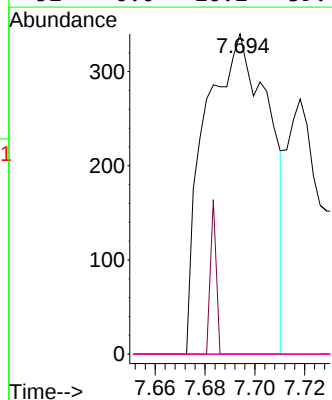
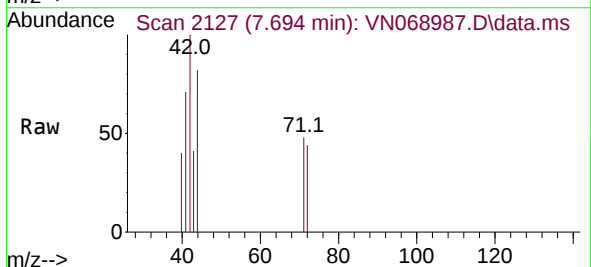
Instrument :
MSVOA_N
ClientSampleId :

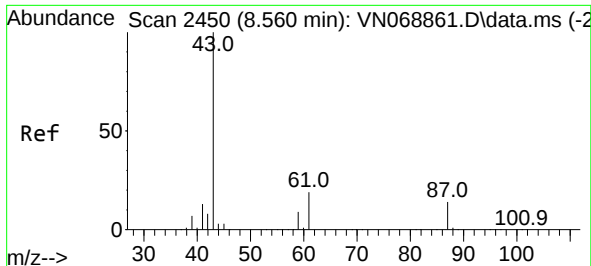
Tgt Ion:117 Resp: 34245
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 41 Resp: 611
Ion Ratio Lower Upper
41 100
39 4.3 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

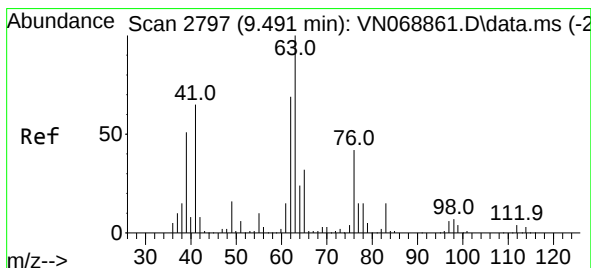
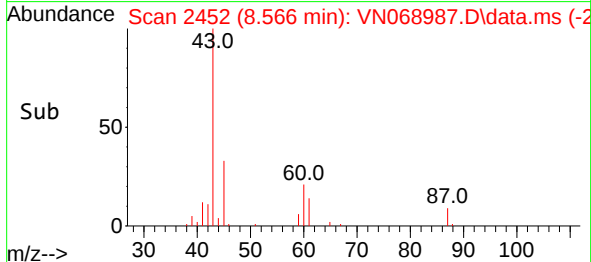
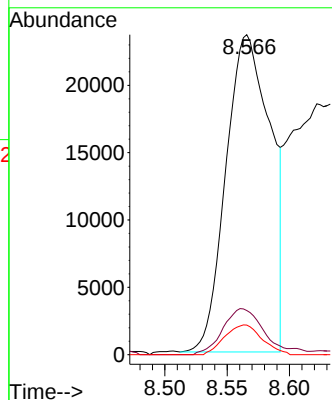
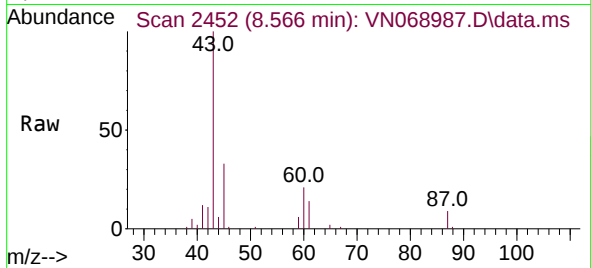




#43
Isopropyl Acetate
Concen: 6.643 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

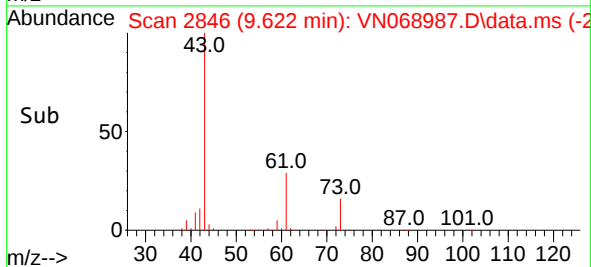
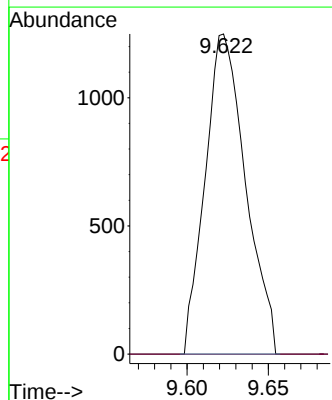
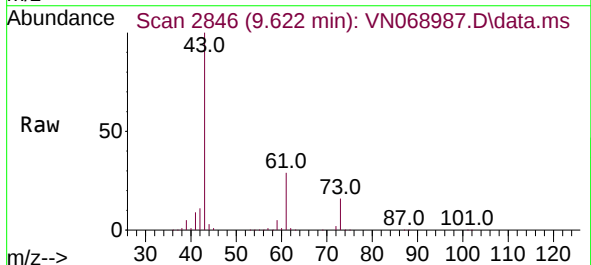
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MSVOA_N
ClientSampled :

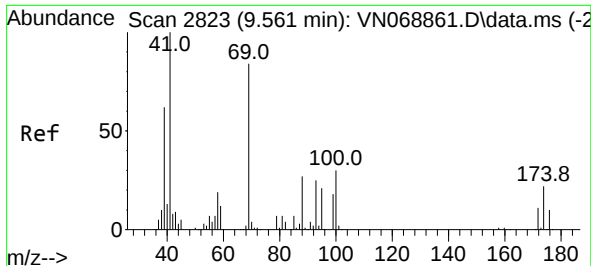
Tgt Ion: 43 Resp: 58764
Ion Ratio Lower Upper
43 100
61 13.6 20.4 30.6#
87 7.8 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.565 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 63 Resp: 2168
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

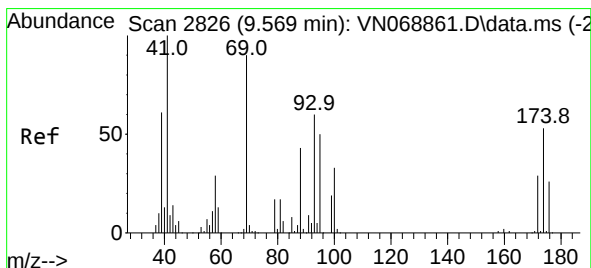
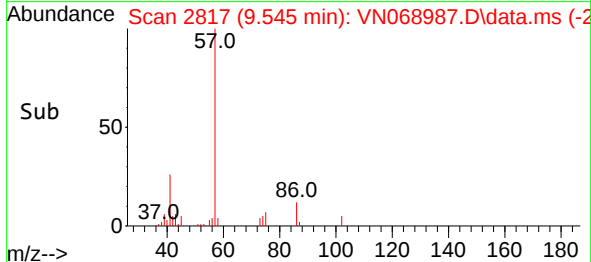
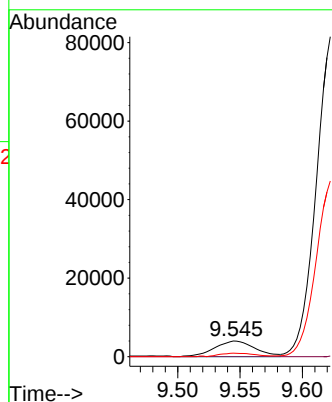
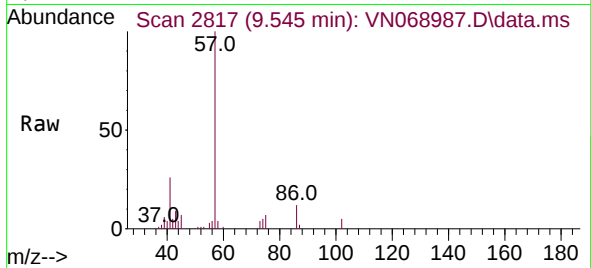




#48
Methyl methacrylate
Concen: 2.171 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

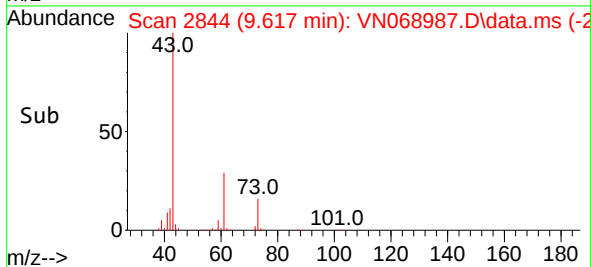
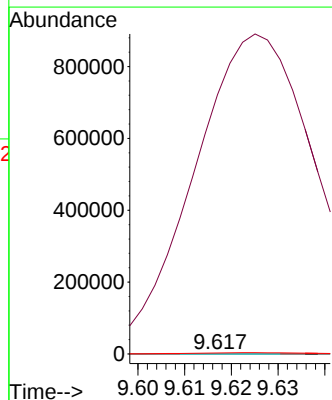
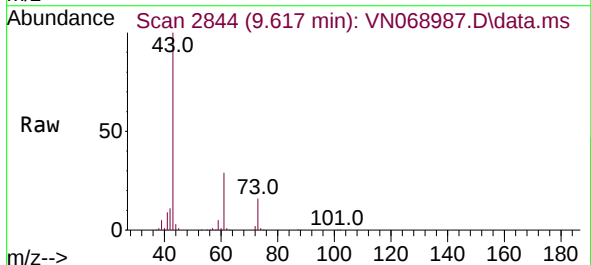
Instrument :
MSVOA_N
ClientSampled :

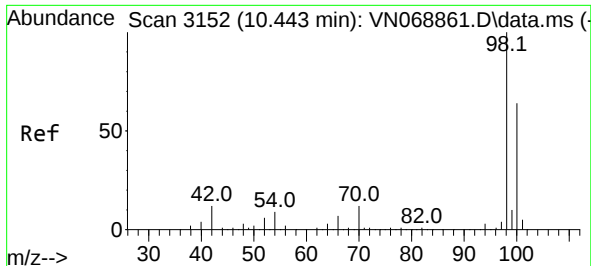
Tgt Ion: 41 Resp: 9024
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.193 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.048 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 1313324.4 24.9 37.3#
58 4940.5 56.9 85.3#

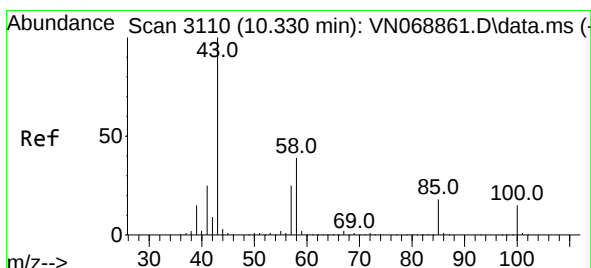
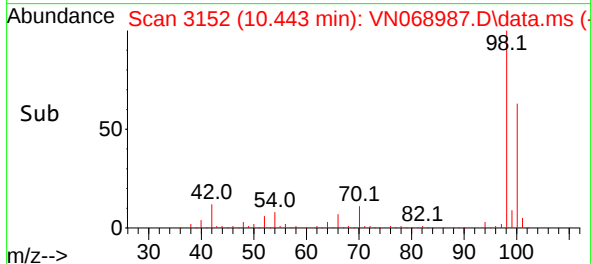
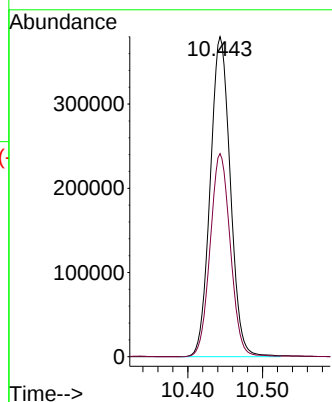
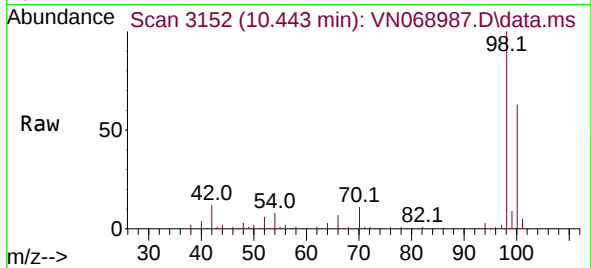




#50
Toluene-d8
Concen: 53.567 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

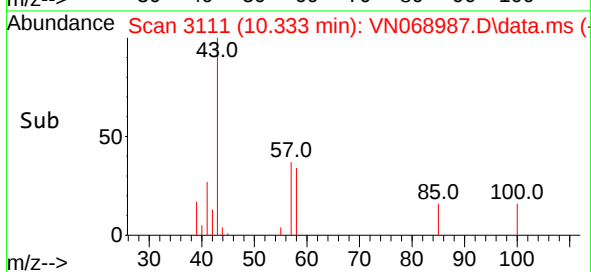
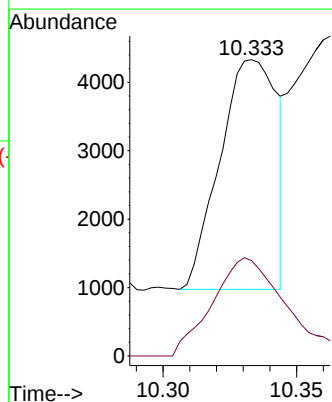
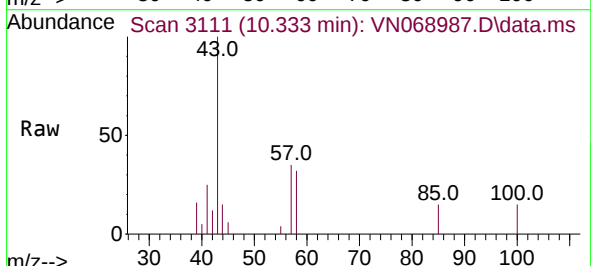
Instrument :
MSVOA_N
ClientSampled :

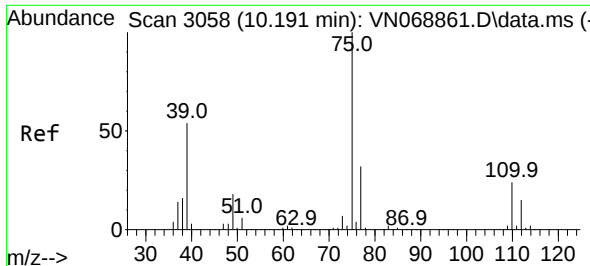
Tgt Ion: 98 Resp: 708685
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.971 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 43 Resp: 4982
Ion Ratio Lower Upper
43 100
58 53.8 31.0 46.4#

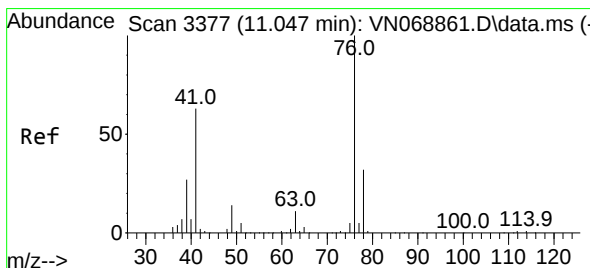
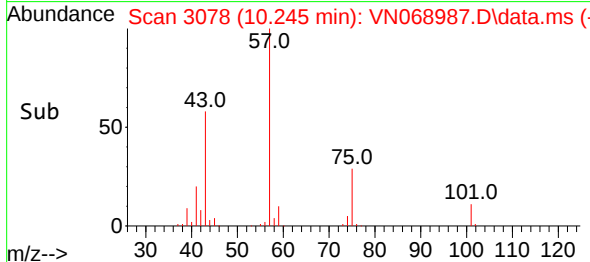
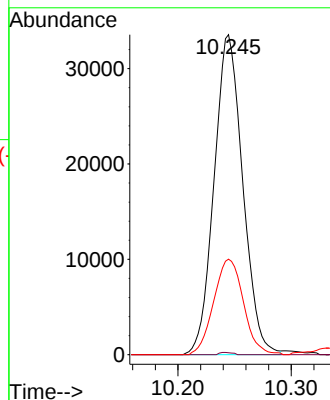
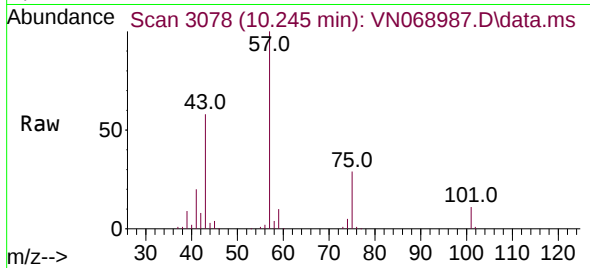




#54
cis-1,3-Dichloropropene
Concen: 9.213 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

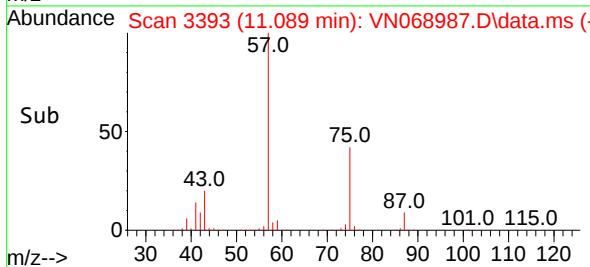
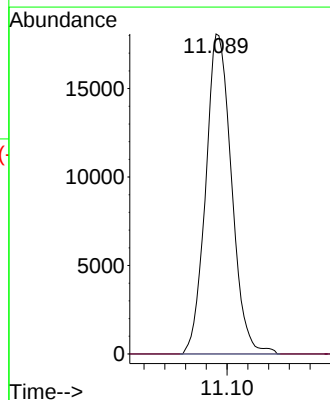
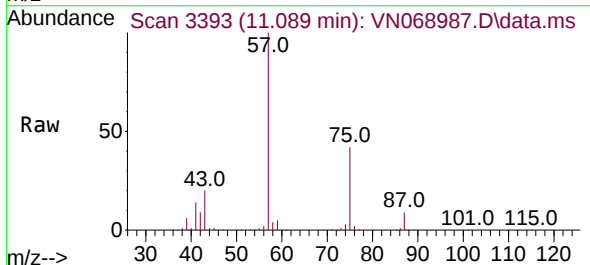
Instrument :
MSVOA_N
ClientSampled :

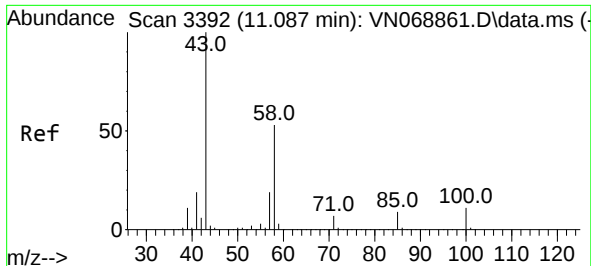
Tgt Ion: 75 Resp: 58914
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 29.8 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 5.050 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 76 Resp: 31222
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

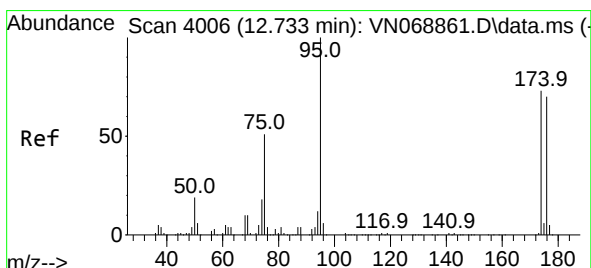
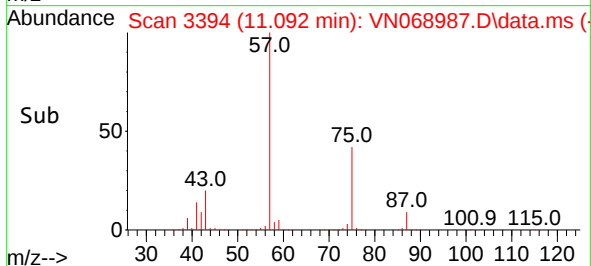
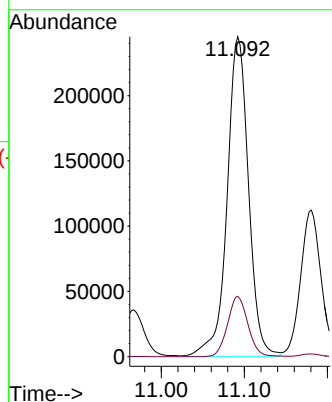
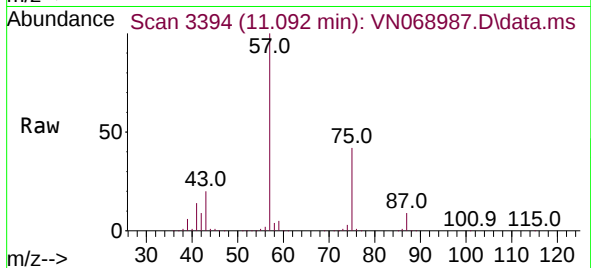




#59
2-Hexanone
Concen: 118.996 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

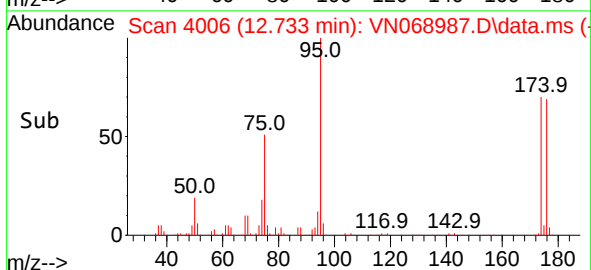
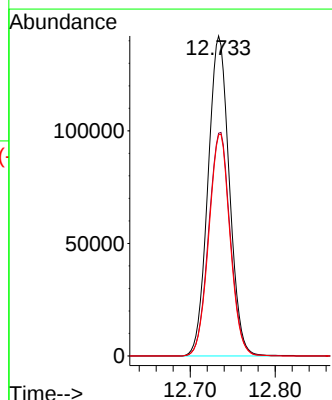
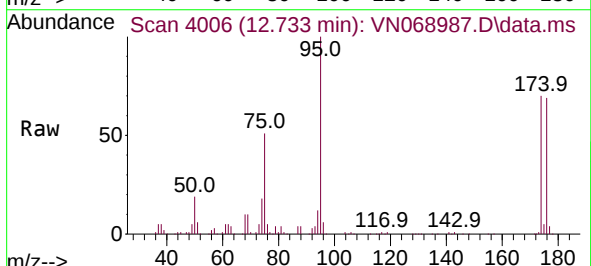
Instrument :
MSVOA_N
ClientSampled :

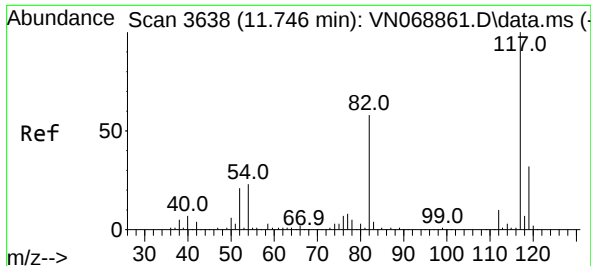
Tgt Ion: 43 Resp: 437704
Ion Ratio Lower Upper
43 100
58 18.1 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.615 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 95 Resp: 247654
Ion Ratio Lower Upper
95 100
174 71.0 0.0 144.8
176 68.8 0.0 140.0

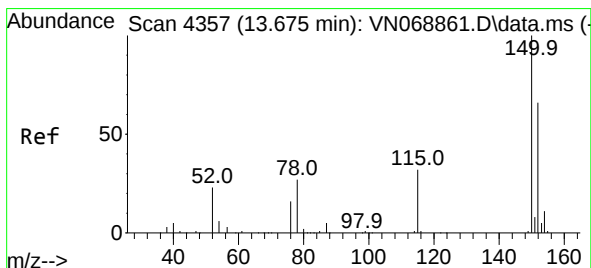
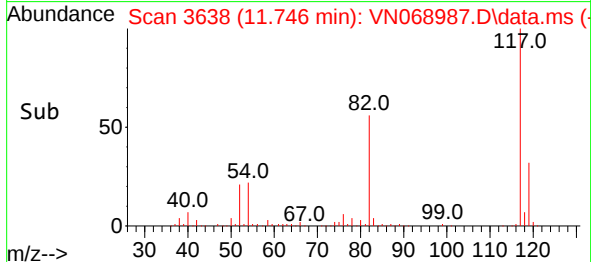
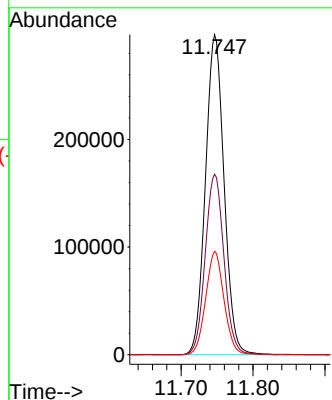
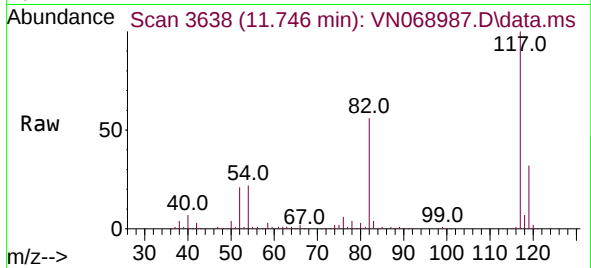




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

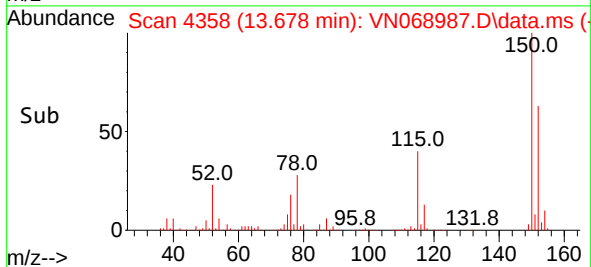
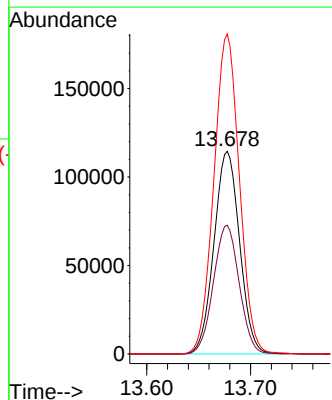
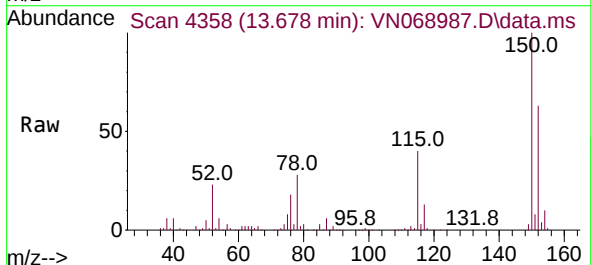
Instrument :
MSVOA_N
ClientSampled :

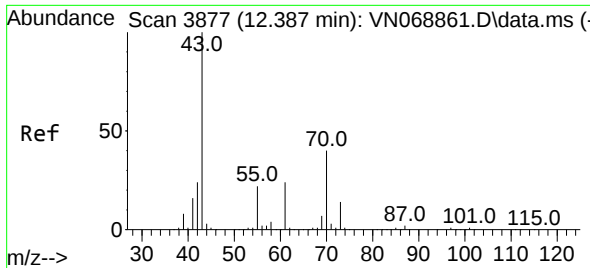
Tgt Ion:117 Resp: 536874
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion:152 Resp: 196402
Ion Ratio Lower Upper
152 100
115 63.9 31.4 94.3
150 157.5 0.0 351.0

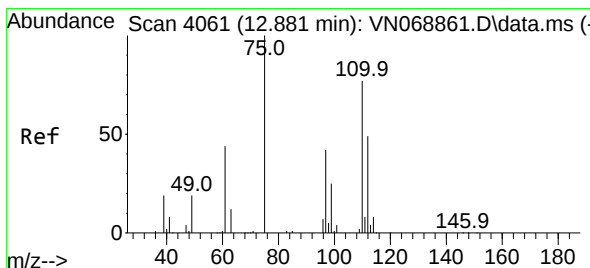
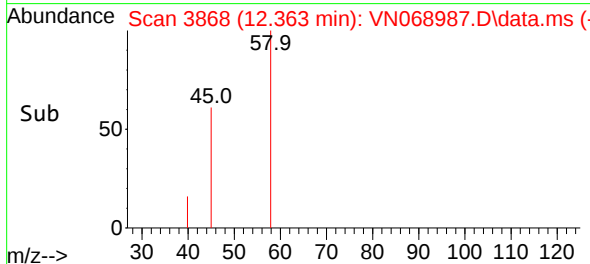
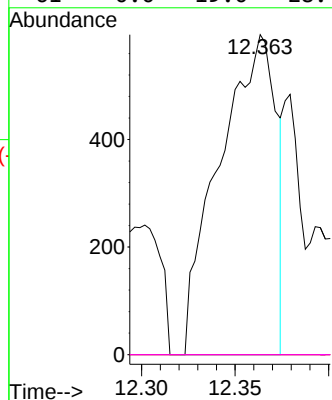
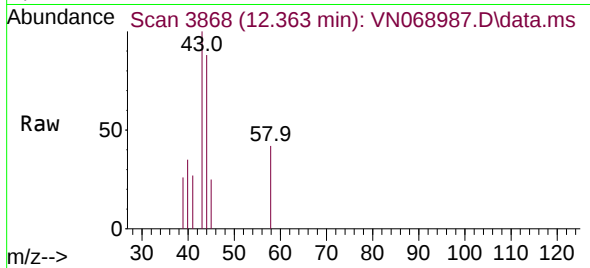




#74
N-amy1 acetate
Concen: 0.203 ug/l
RT: 12.363 min Scan# 3868
Delta R.T. -0.024 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

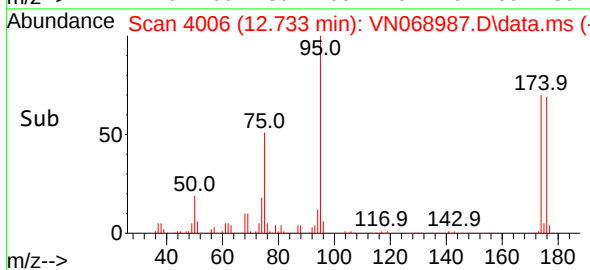
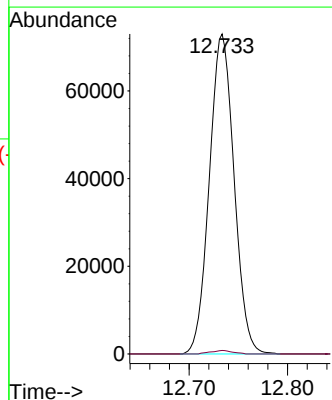
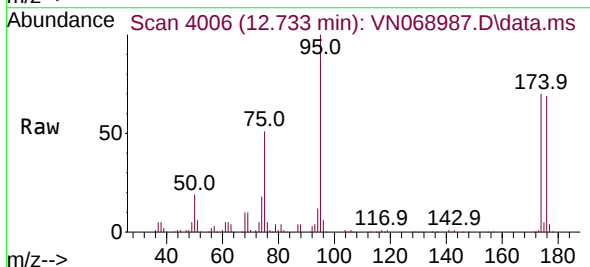
Instrument :
MSVOA_N
ClientSampleId :

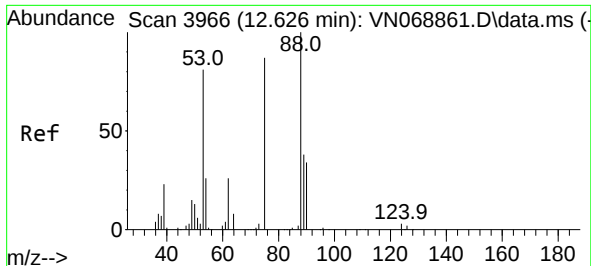
Tgt Ion: 43	Resp: 1256
Ion Ratio	Lower Upper
43 100	
70 0.0	32.2 48.2#
55 0.0	18.0 27.0#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 30.558 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion: 75	Resp: 127697
Ion Ratio	Lower Upper
75 100	
77 1.0	96.2 288.4#

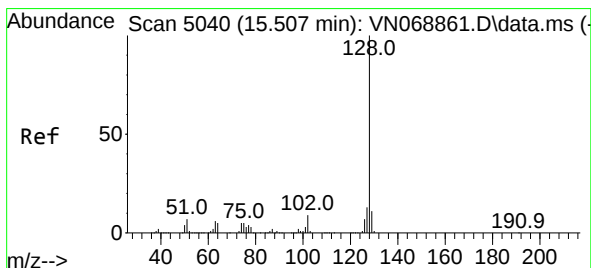
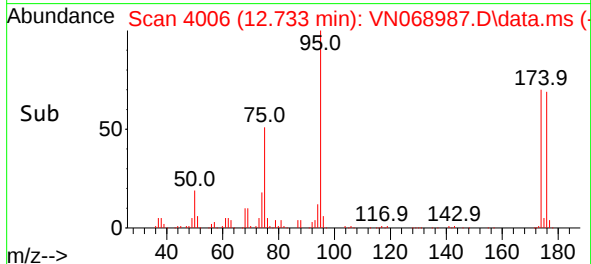
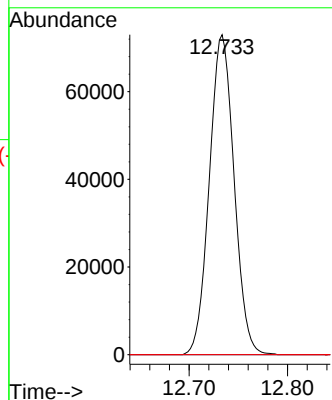
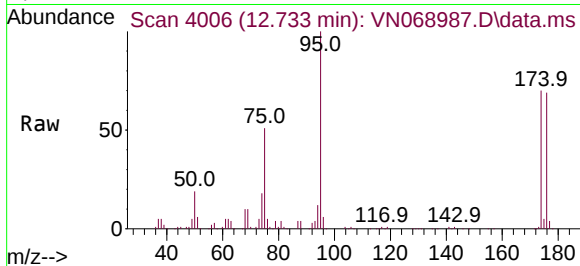




#81
trans-1,4-Dichloro-2-butene
Concen: 73.108 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 127697
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.820 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068987.D
Acq: 18 Oct 2021 18:30

Tgt Ion:128 Resp: 80
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

