

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069012.D
 Acq On : 19 Oct 2021 5:50
 Operator : JC/MD
 Sample : M4242-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 10:00:42 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

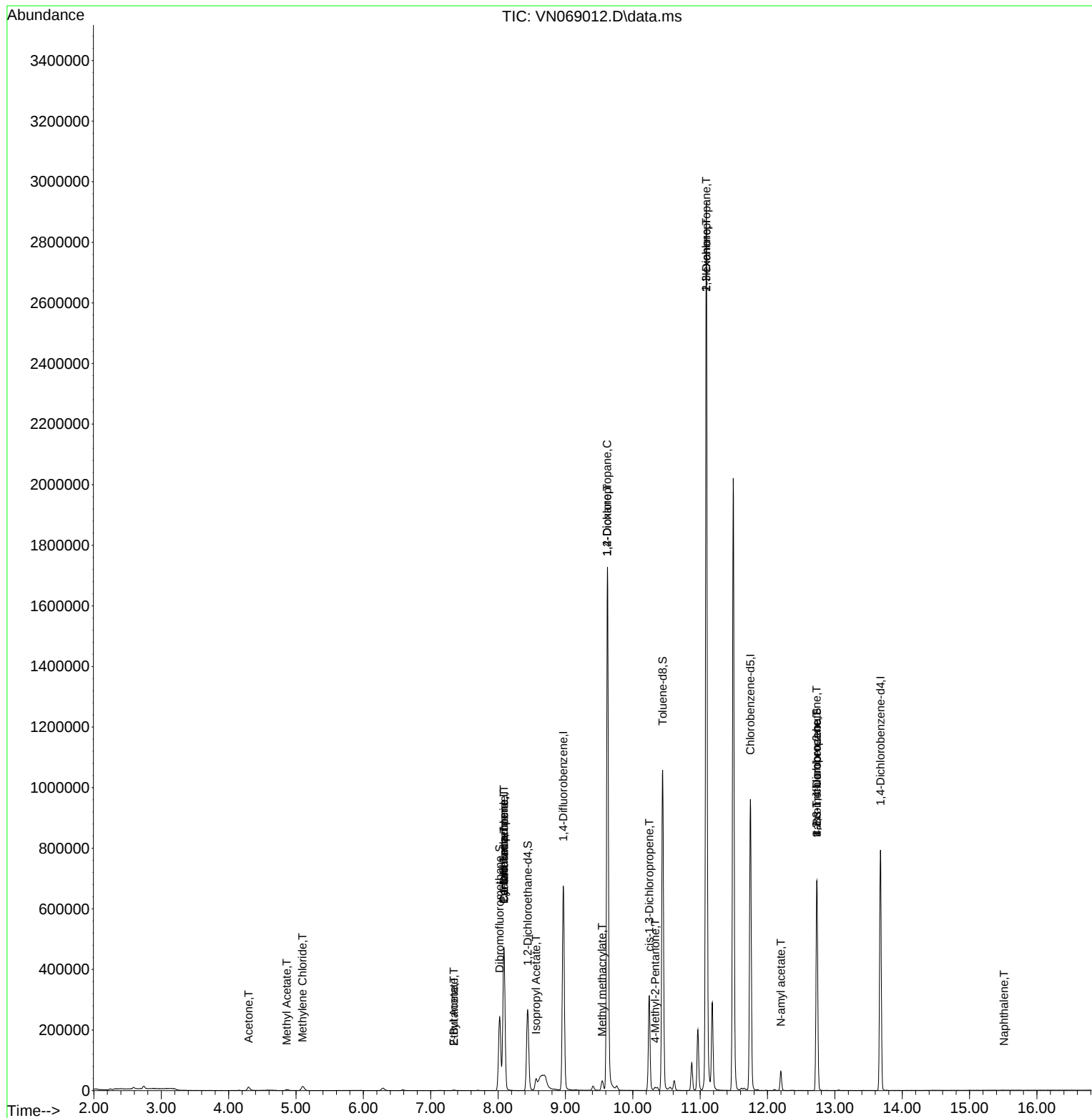
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	354185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	613744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	570546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	211743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227671	48.754	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.500%
35) Dibromofluoromethane	8.024	113	182870	51.212	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.420%
50) Toluene-d8	10.443	98	760120	53.202	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.400%
62) 4-Bromofluorobenzene	12.734	95	257170	47.708	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.420%
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	20905	11.996	ug/l	100
18) Methyl Acetate	4.865	43	7480	1.132	ug/l	95
20) Methylene Chloride	5.095	84	6848	1.707	ug/l	94
25) 2-Butanone	7.343	43	3824	1.451	ug/l	97
31) Cyclohexane	8.086	56	8006	1.103	ug/l #	2
36) 1,1-Dichloropropene	8.086	75	29274	5.584	ug/l #	50
37) Ethyl Acetate	7.343	43	3824	0.706	ug/l #	68
38) Carbon Tetrachloride	8.086	117	37175	6.457	ug/l #	16
43) Isopropyl Acetate	8.566	43	46706	4.889	ug/l #	85
45) 1,2-Dichloropropane	9.620	63	2047	0.494	ug/l #	43
48) Methyl methacrylate	9.545	41	7842	1.747	ug/l #	13
49) 1,4-Dioxane	9.620	88	121	36.967	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	4356	0.786	ug/l #	66
54) cis-1,3-Dichloropropene	10.245	75	59853	8.667	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	31683	4.745	ug/l #	42
59) 2-Hexanone	11.092	43	452883	114.010	ug/l #	50
74) N-amyl acetate	12.197	43	20625	3.089	ug/l #	54
76) 1,2,3-Trichloropropane	12.731	75	135001	29.965	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	135001	71.690	ug/l #	12
95) Naphthalene	15.512	128	574	3.866	ug/l #	69

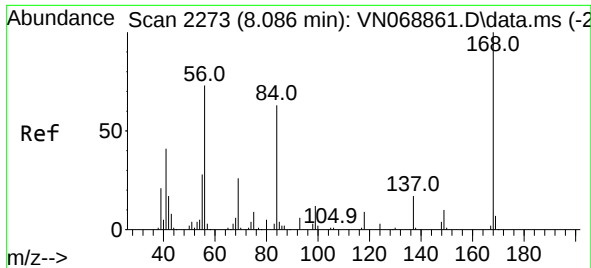
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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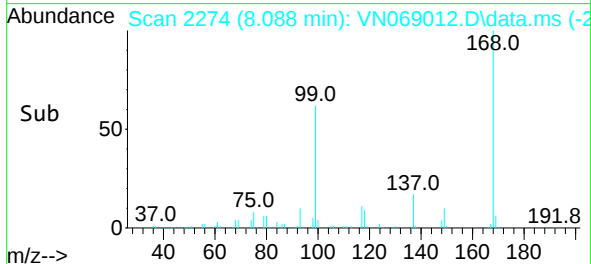
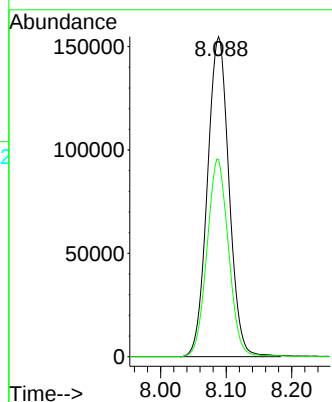
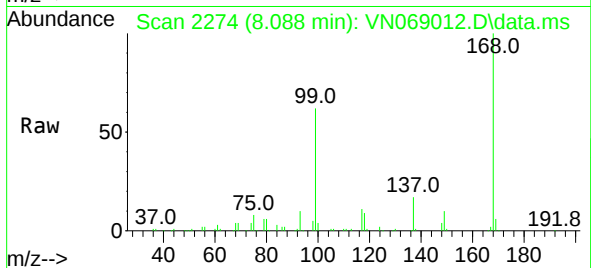




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

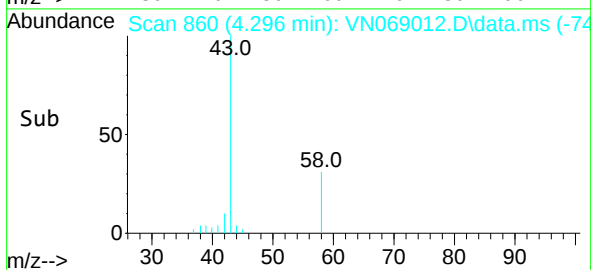
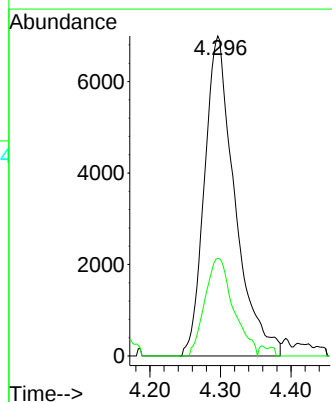
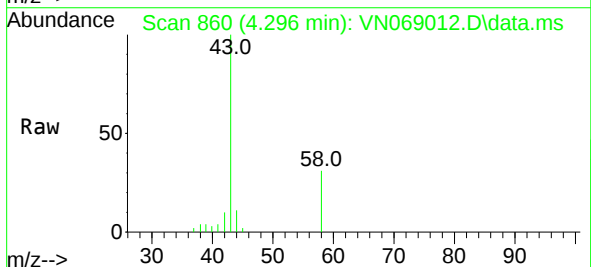
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 354185
Ion Ratio Lower Upper
168 100
99 61.7 48.9 73.3



#16
Acetone
Concen: 11.996 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 43 Resp: 20905
Ion Ratio Lower Upper
43 100
58 30.5 24.5 36.7





#18

Methyl Acetate

Concen: 1.132 ug/l

RT: 4.865 min Scan# 1072

Delta R.T. 0.011 min

Lab File: VN069012.D

Acq: 19 Oct 2021 5:50

Tgt Ion: 43 Resp: 7480

Ion Ratio Lower Upper

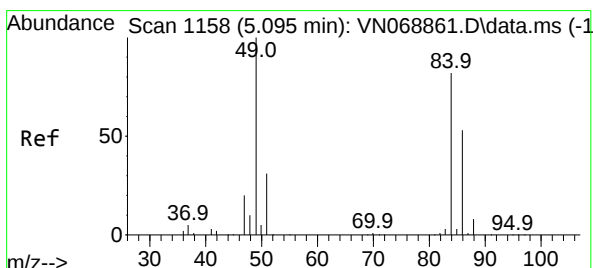
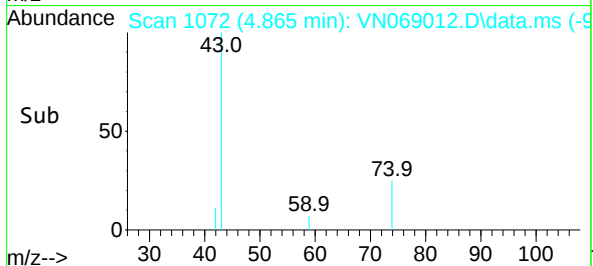
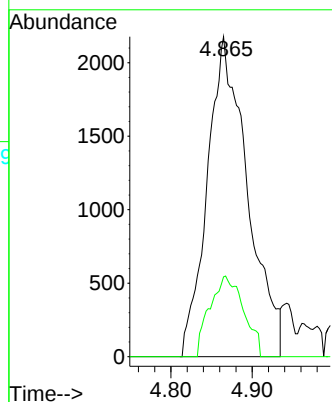
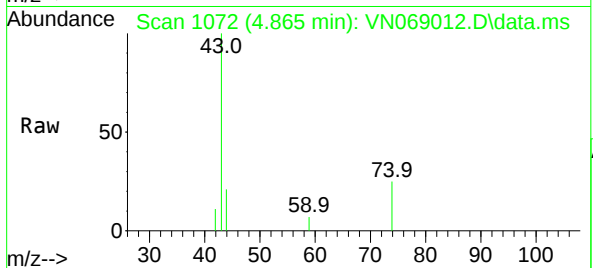
43 100

74 21.1 18.9 28.3

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 1.707 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VN069012.D

Acq: 19 Oct 2021 5:50

Tgt Ion: 84 Resp: 6848

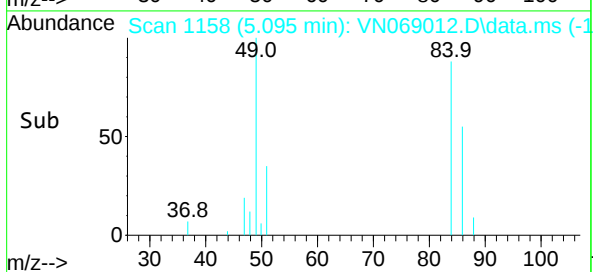
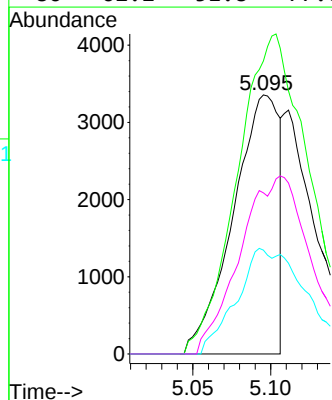
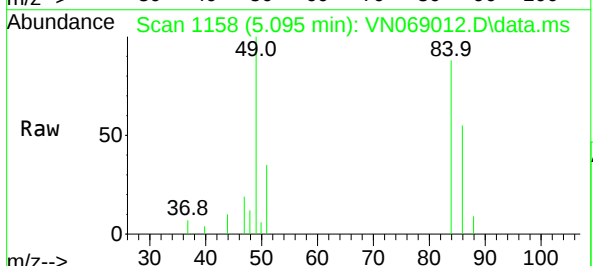
Ion Ratio Lower Upper

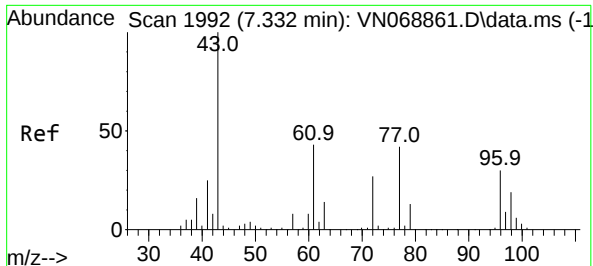
84 100

49 113.1 97.6 146.4

51 40.1 30.3 45.5

86 62.2 51.8 77.6

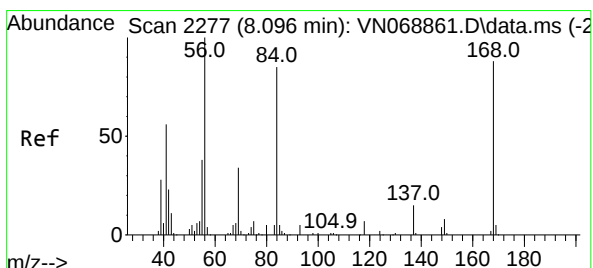
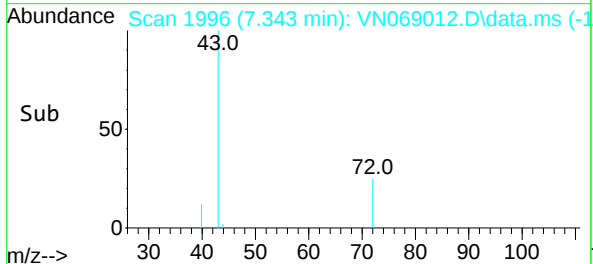
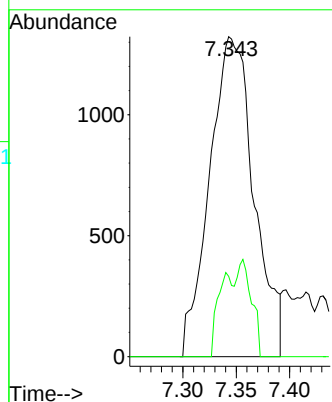
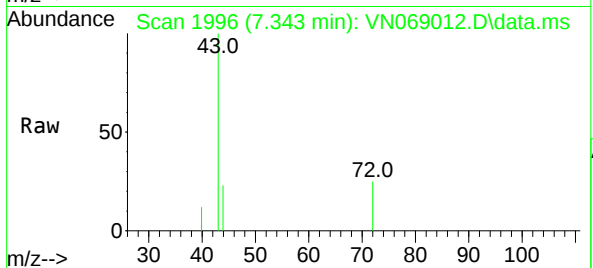




#25
2-Butanone
Concen: 1.451 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

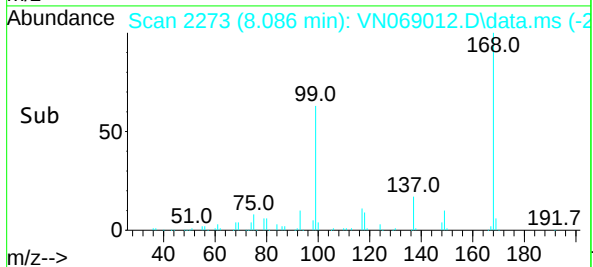
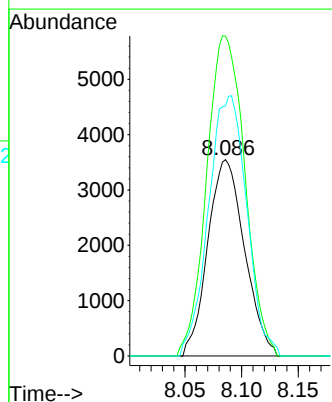
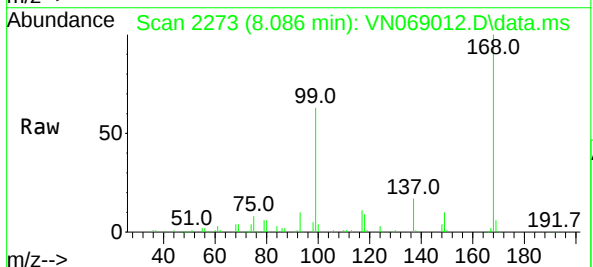
Instrument :
MSVOA_N
ClientSampled :

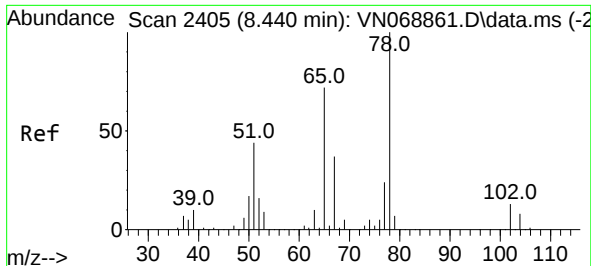
Tgt Ion: 43 Resp: 3824
Ion Ratio Lower Upper
43 100
72 25.1 21.2 31.8



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 56 Resp: 8006
Ion Ratio Lower Upper
56 100
69 162.9 26.9 40.3#
84 127.4 67.6 101.4#



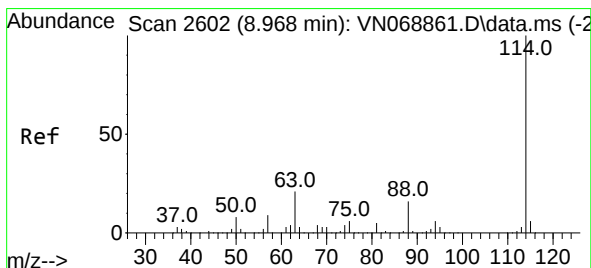
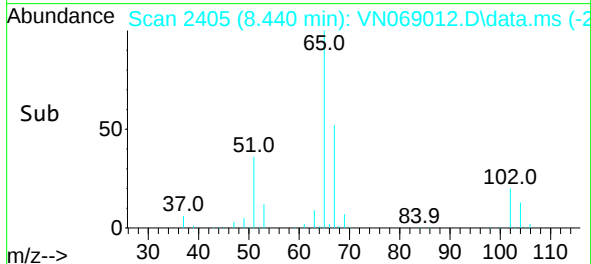
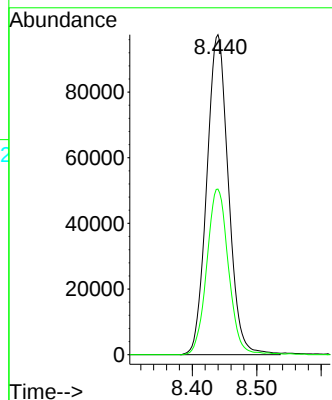
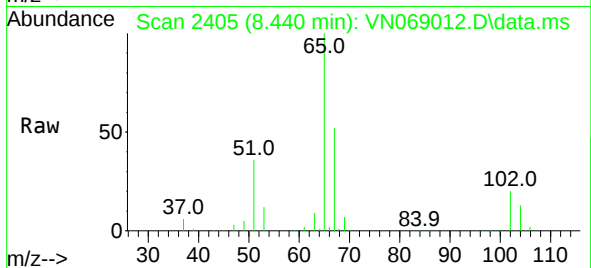


#33

1,2-Dichloroethane-d4
Concen: 48.754 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Instrument :
MSVOA_N
ClientSampled :

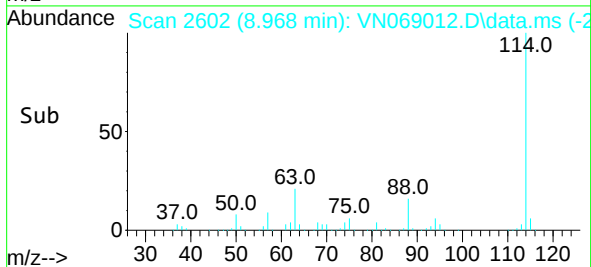
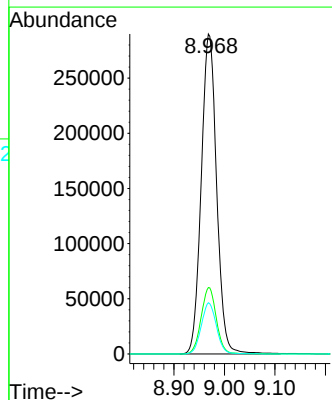
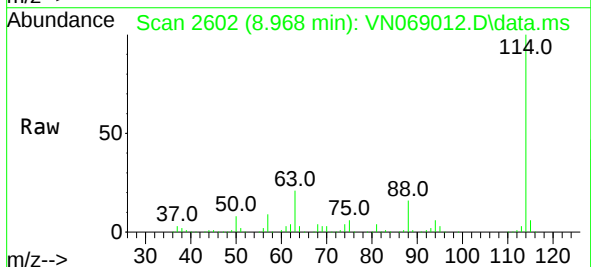
Tgt Ion: 65 Resp: 227671
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8

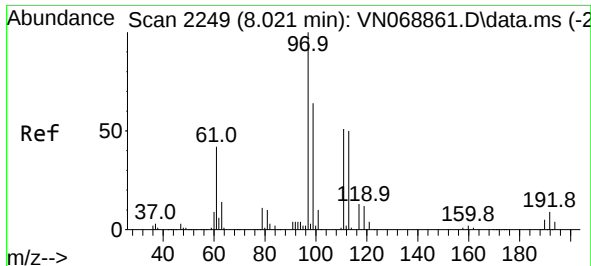


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 114 Resp: 613744
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.0 0.0 32.0

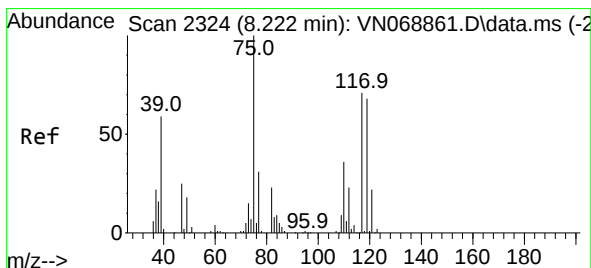
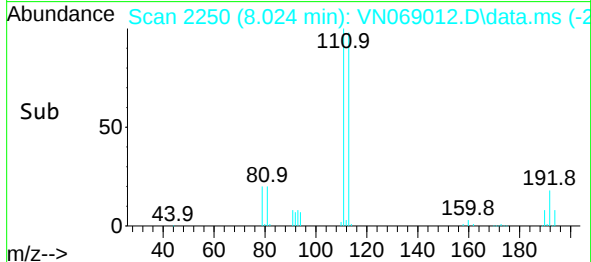
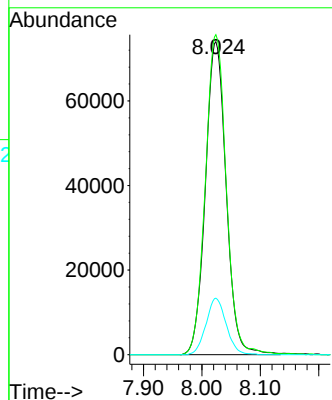
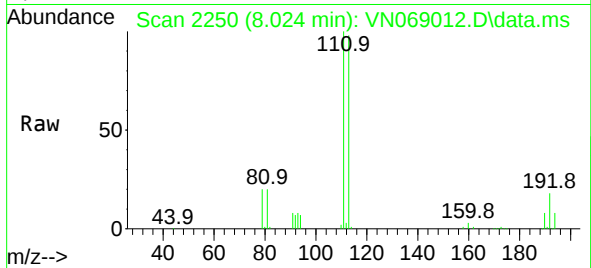




#35
Dibromofluoromethane
Concen: 51.212 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

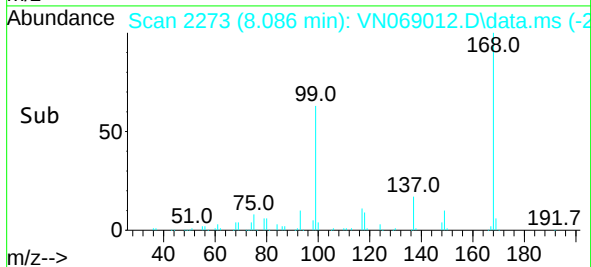
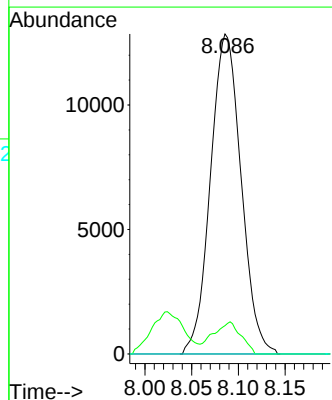
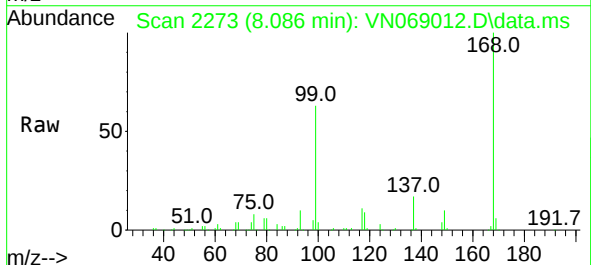
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MSVOA_N
ClientSampled :

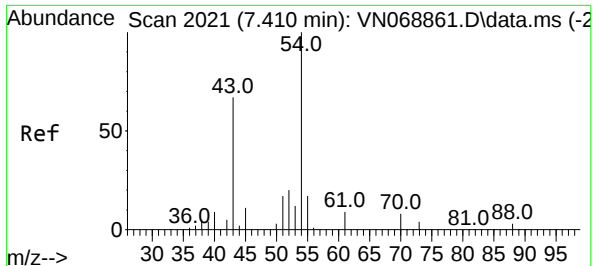
Tgt Ion:113 Resp: 182870
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 17.6 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.584 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 75 Resp: 29274
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.8#
77 0.0 24.7 37.1#

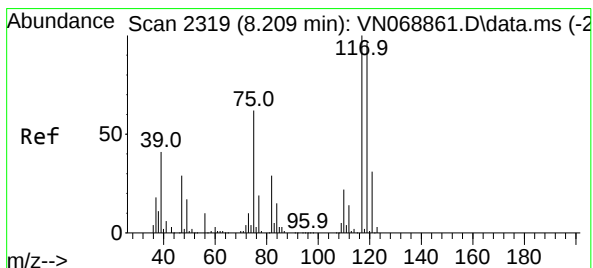
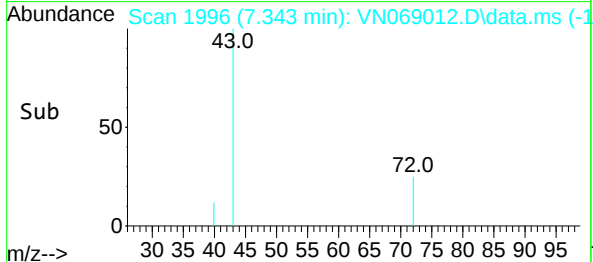
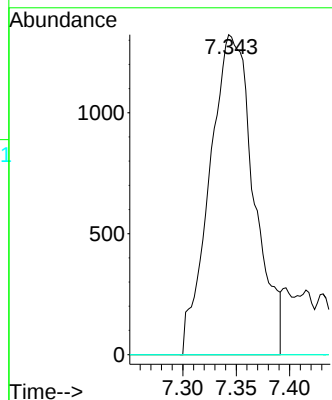
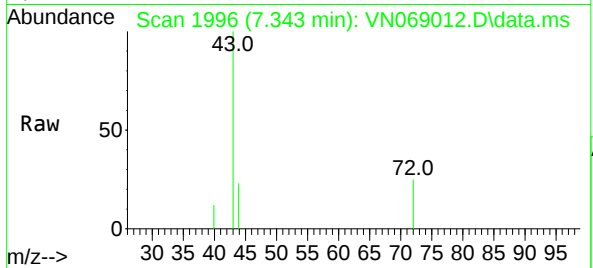




#37
Ethyl Acetate
Concen: 0.706 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

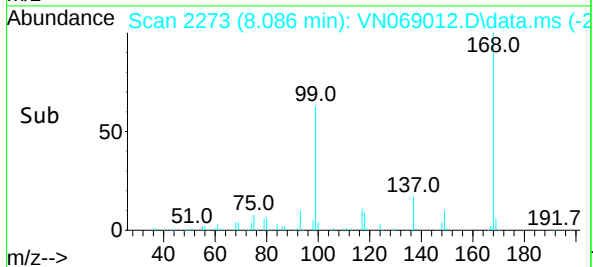
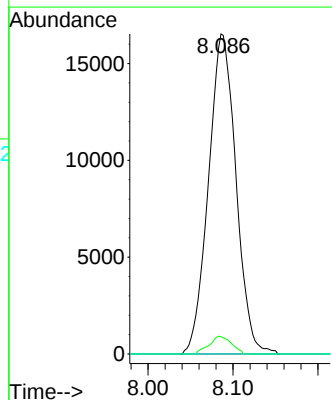
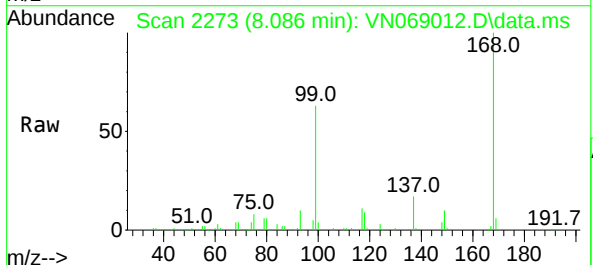
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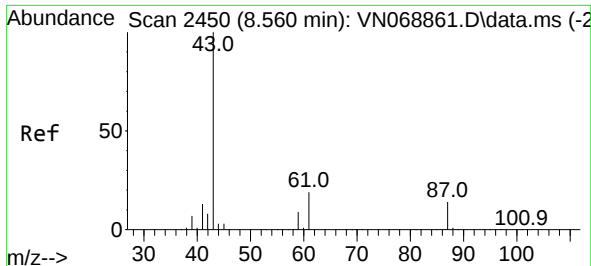
Tgt Ion: 43	Resp:	3824
Ion Ratio	Lower	Upper
43	100	
61	0.0	11.2 16.8#
70	0.0	8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 117	Resp:	37175
Ion Ratio	Lower	Upper
117	100	
119	5.4	76.9 115.3#
121	0.0	24.6 37.0#

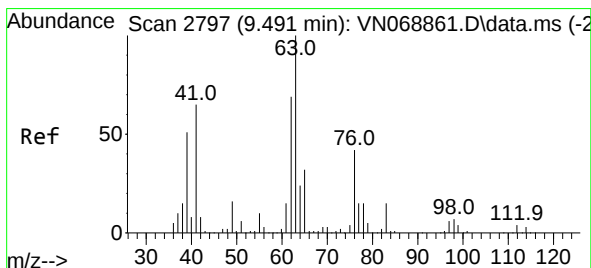
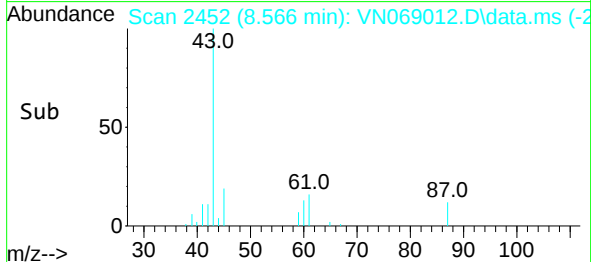
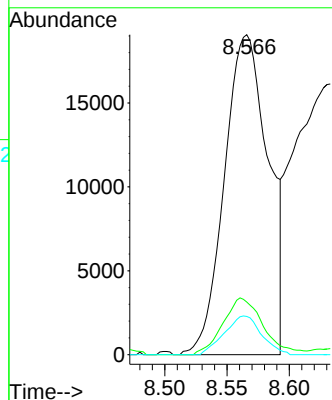
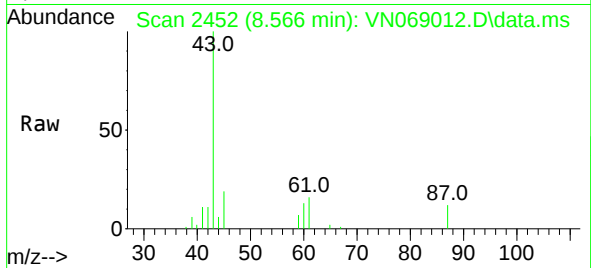




#43
Isopropyl Acetate
Concen: 4.889 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

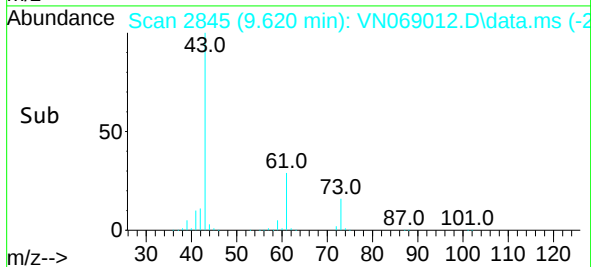
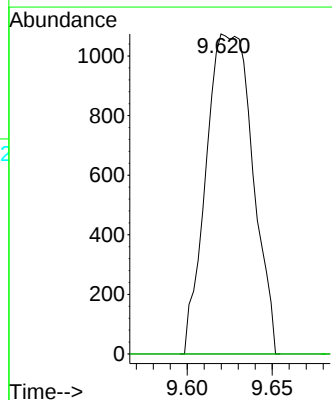
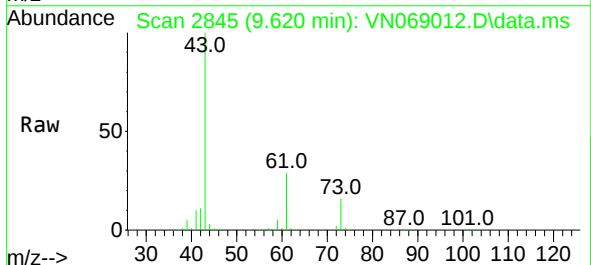
Instrument :
MSVOA_N
ClientSampled :

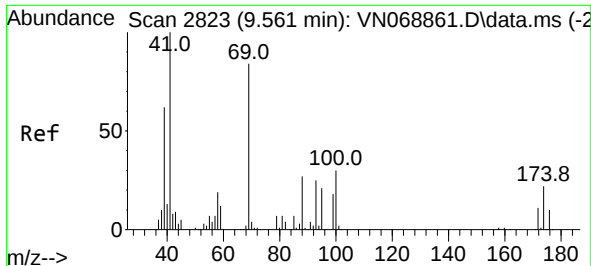
Tgt Ion: 43 Resp: 46706
Ion Ratio Lower Upper
43 100
61 16.3 20.4 30.6#
87 10.2 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.494 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 63 Resp: 2047
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

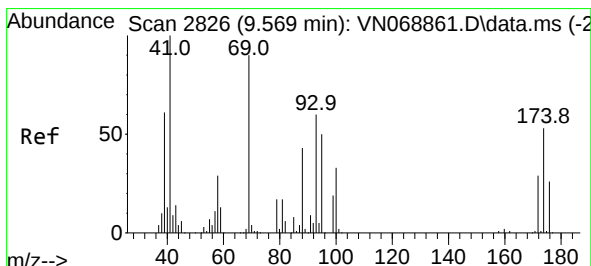
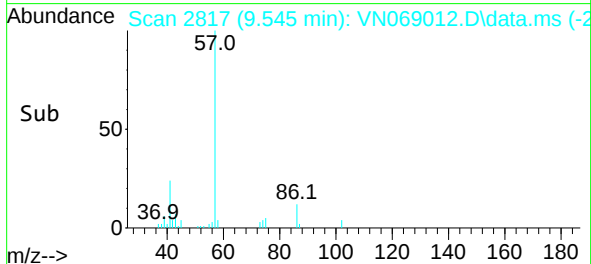
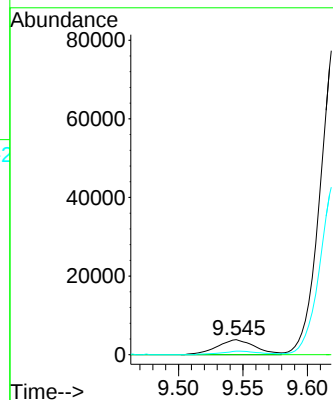
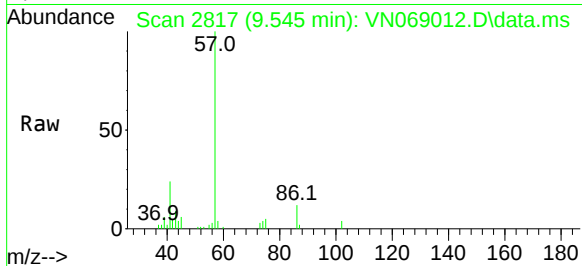




#48
Methyl methacrylate
Concen: 1.747 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

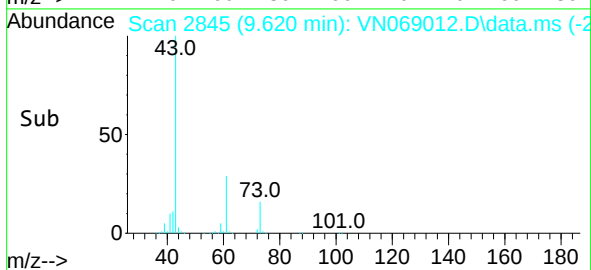
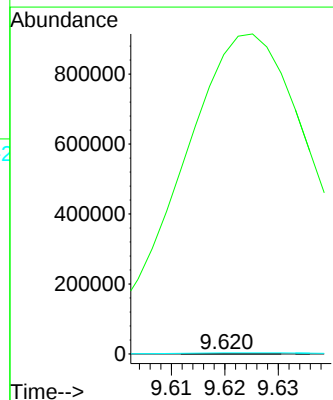
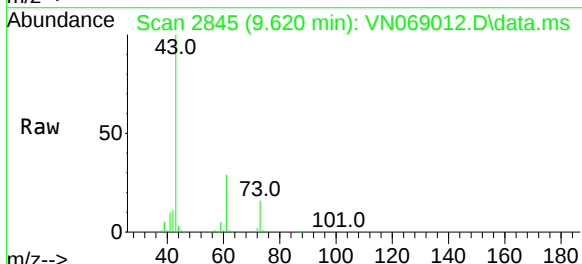
Instrument :
MSVOA_N
ClientSampled :

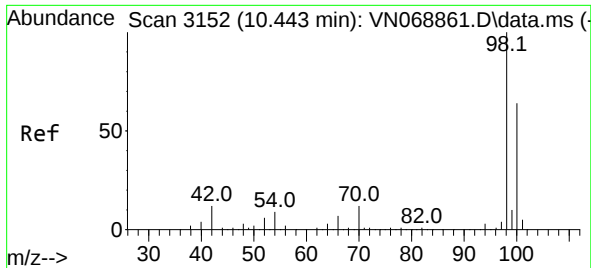
Tgt Ion: 41 Resp: 7842
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.967 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 1435073.6 24.9 37.3#
58 5267.8 56.9 85.3#

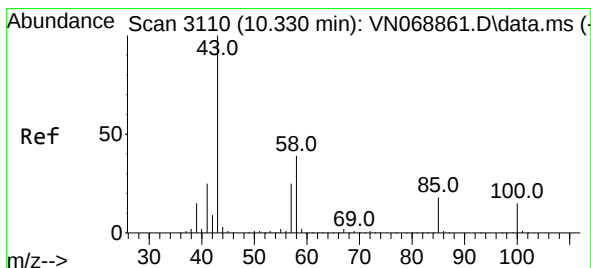
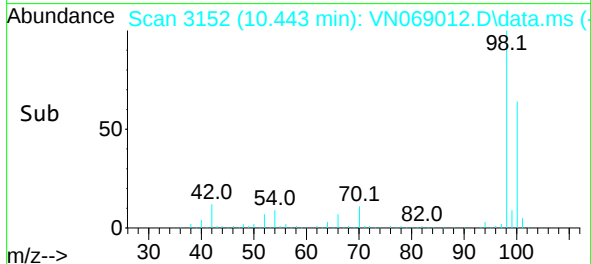
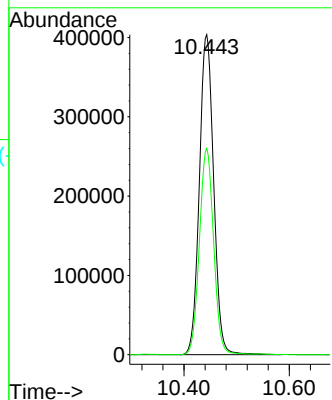
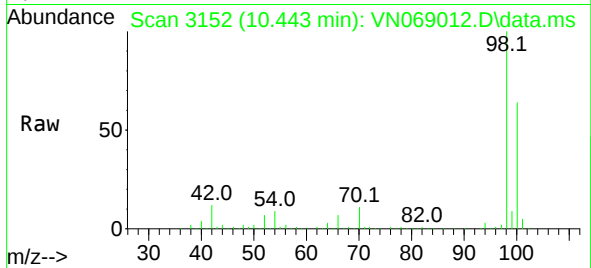




#50
Toluene-d8
Concen: 53.202 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

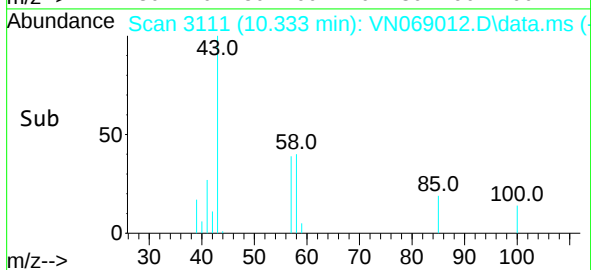
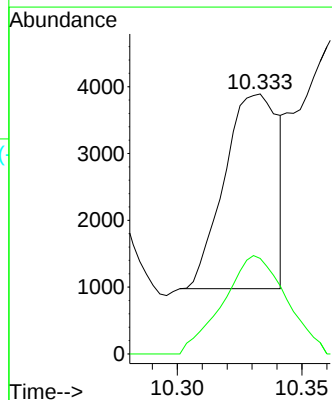
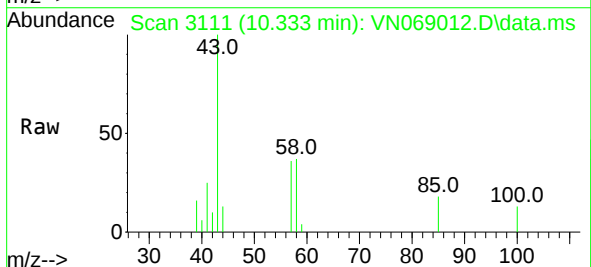
Instrument :
MSVOA_N
ClientSampled :

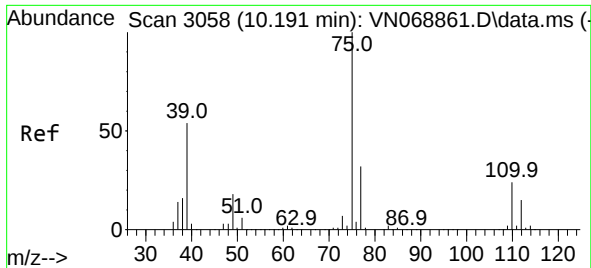
Tgt Ion: 98 Resp: 760120
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.786 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 43 Resp: 4356
Ion Ratio Lower Upper
43 100
58 59.6 31.0 46.4#

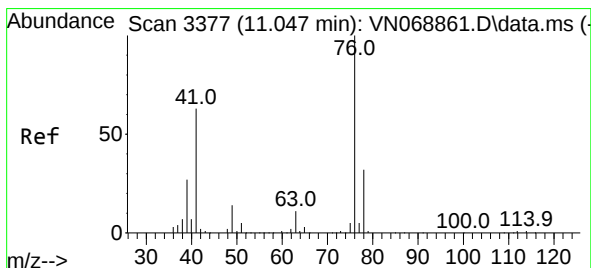
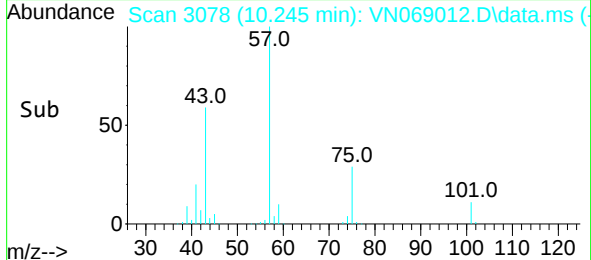
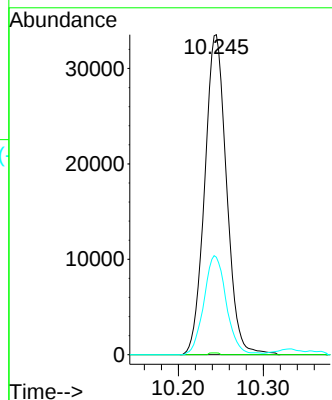
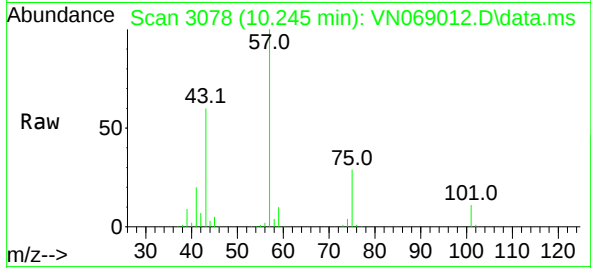




#54
 cis-1,3-Dichloropropene
 Concen: 8.667 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069012.D
 Acq: 19 Oct 2021 5:50

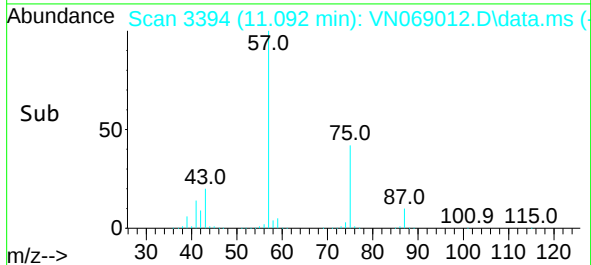
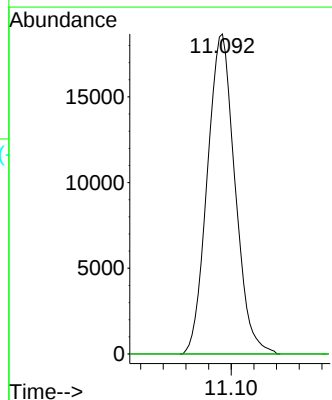
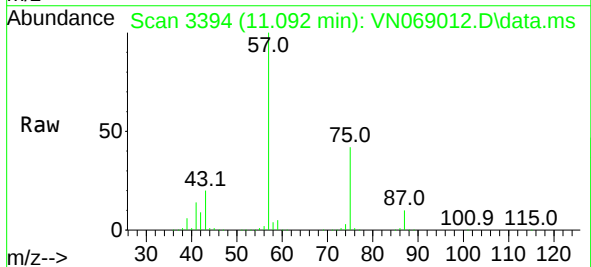
Instrument :
 MSVOA_N
 ClientSampleId :

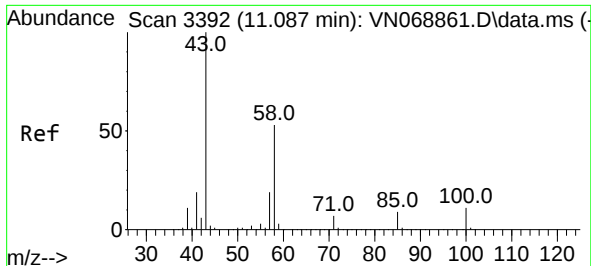
Tgt Ion: 75 Resp: 59853
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.6 38.4#
 39 30.4 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.745 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069012.D
 Acq: 19 Oct 2021 5:50

Tgt Ion: 76 Resp: 31683
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

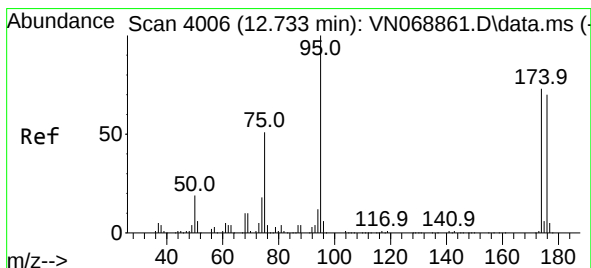
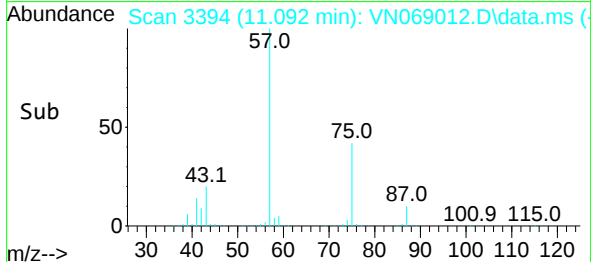
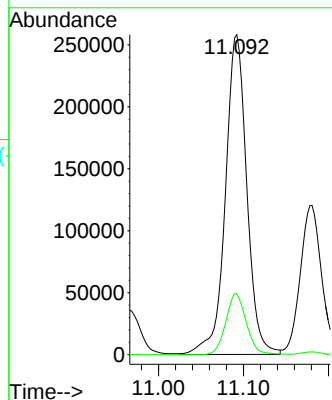
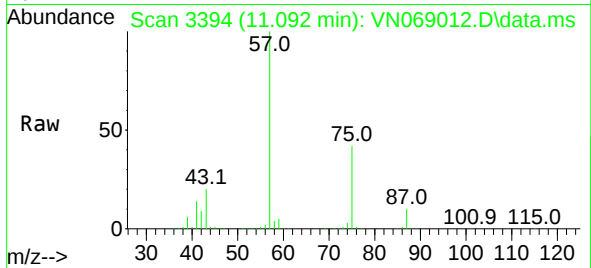




#59
2-Hexanone
Concen: 114.010 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

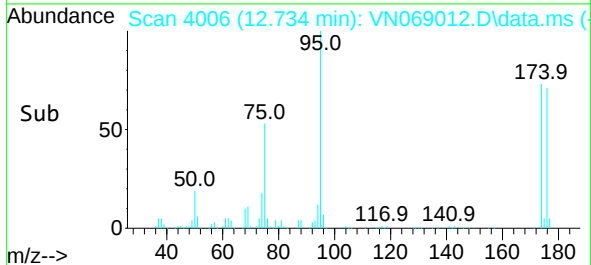
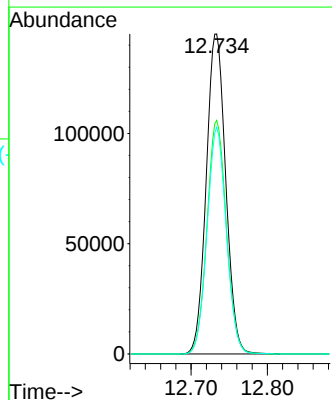
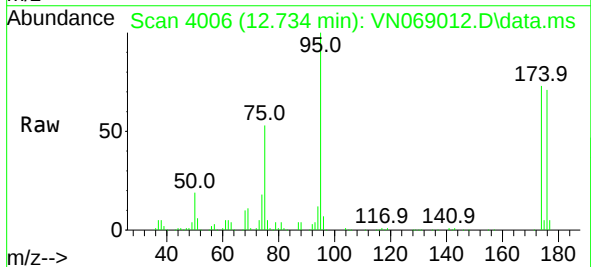
Instrument :
MSVOA_N
ClientSampleId :

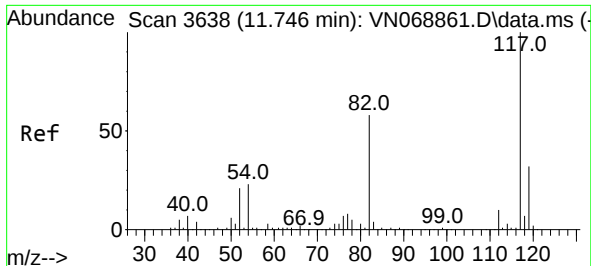
Tgt Ion: 43 Resp: 452883
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.708 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 95 Resp: 257170
Ion Ratio Lower Upper
95 100
174 72.7 0.0 144.8
176 69.8 0.0 140.0

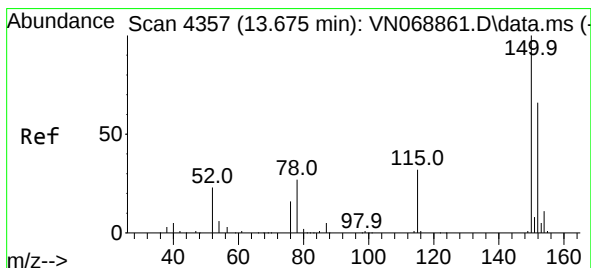
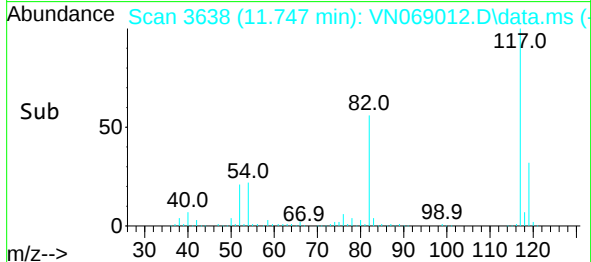
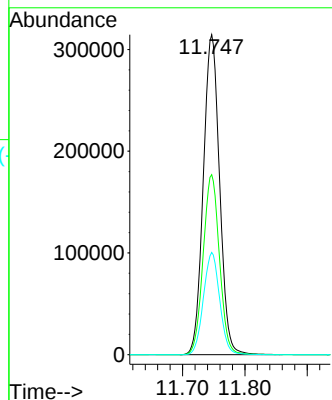
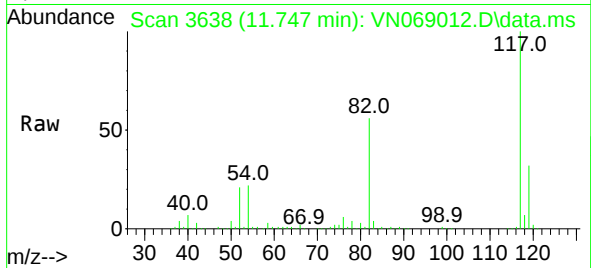




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

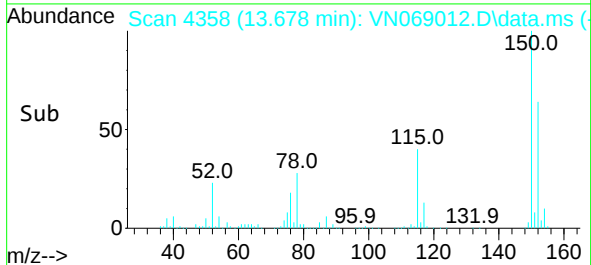
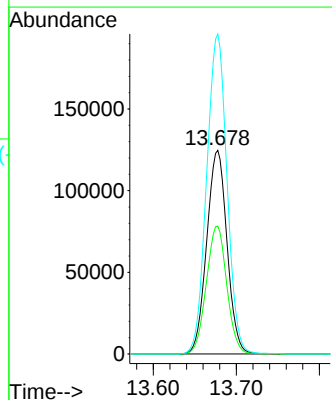
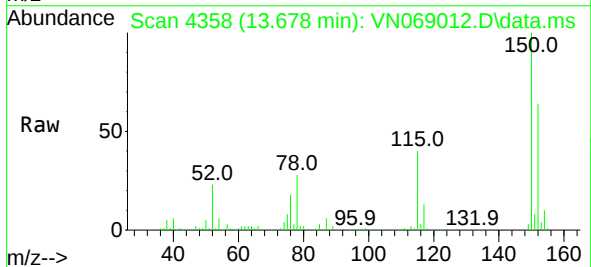
Instrument :
MSVOA_N
ClientSampleId :

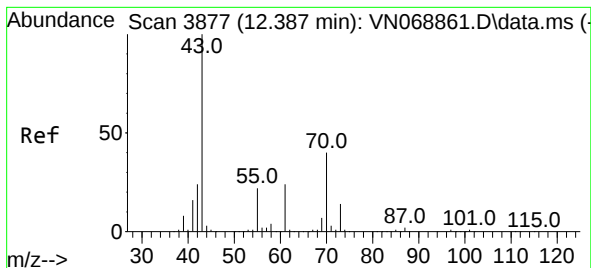
Tgt Ion:117 Resp: 570546
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion:152 Resp: 211743
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 157.3 0.0 351.0

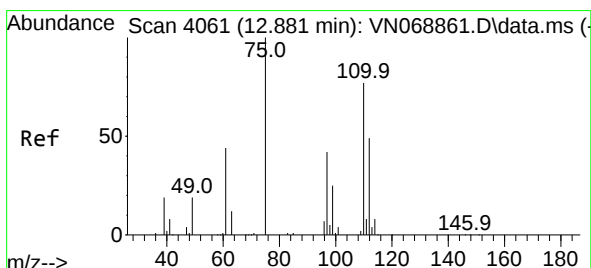
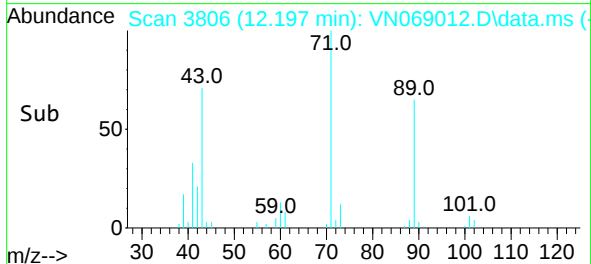
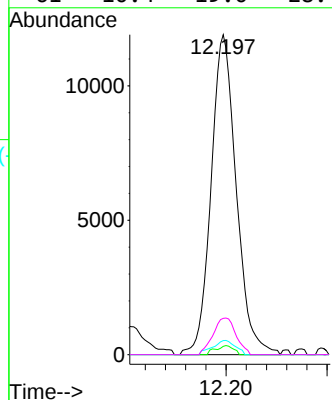
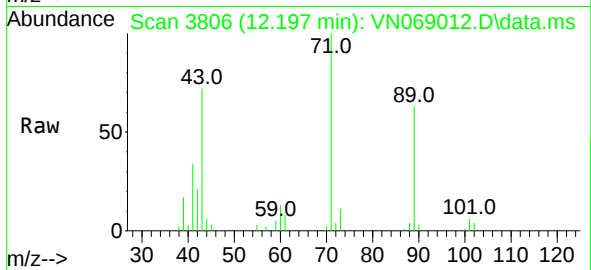




#74
N-amy1 acetate
Concen: 3.089 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

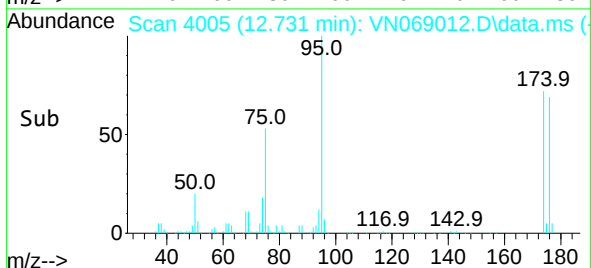
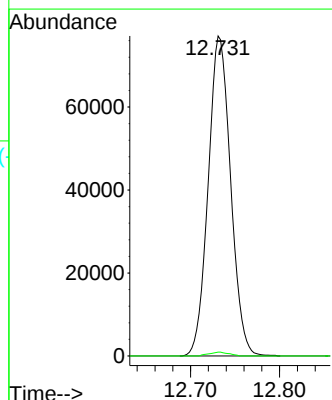
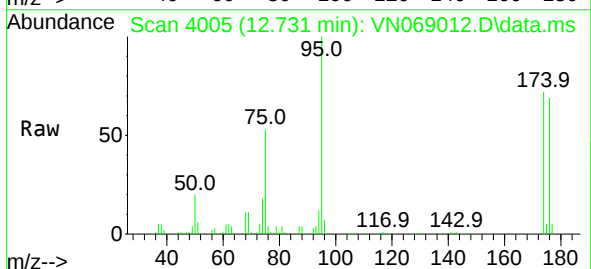
Instrument :
MSVOA_N
ClientSampled :

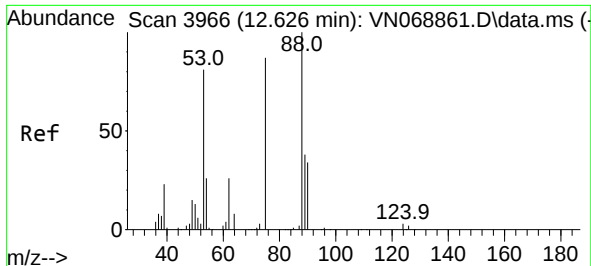
Tgt Ion: 43	Resp: 20625
Ion Ratio	Lower Upper
43 100	
70 2.0	32.2 48.2#
55 4.0	18.0 27.0#
61 10.4	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.965 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 75	Resp: 135001
Ion Ratio	Lower Upper
75 100	
77 1.1	96.2 288.4#

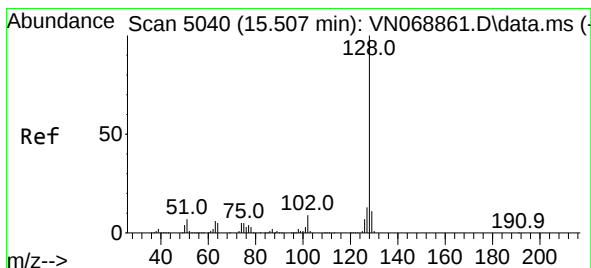
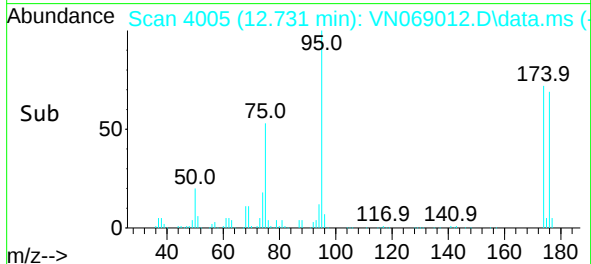
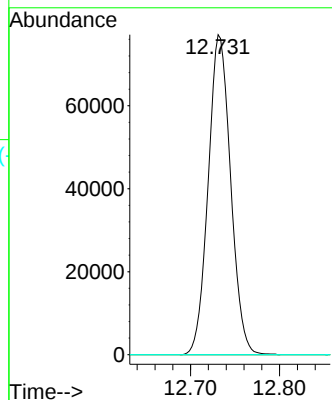
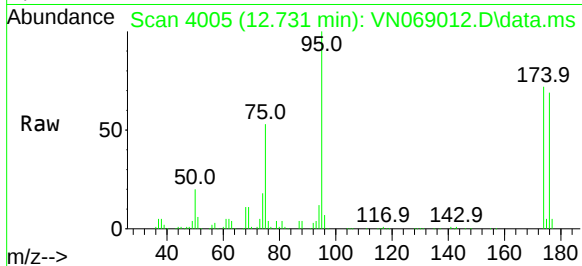




#81
trans-1,4-Dichloro-2-butene
Concen: 71.690 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 135001
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.866 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069012.D
Acq: 19 Oct 2021 5:50

Tgt Ion: 128 Resp: 574
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

