

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069033.D
 Acq On : 19 Oct 2021 18:14
 Operator : JC/MD
 Sample : M4242-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:49:42 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	8.091	168	339736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	589752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	563343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203555	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	220017	49.119	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.240%
35) Dibromofluoromethane	8.027	113	173292	50.504	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.000%
50) Toluene-d8	10.443	98	738726	53.808	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.620%
62) 4-Bromofluorobenzene	12.733	95	254836	49.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.400%

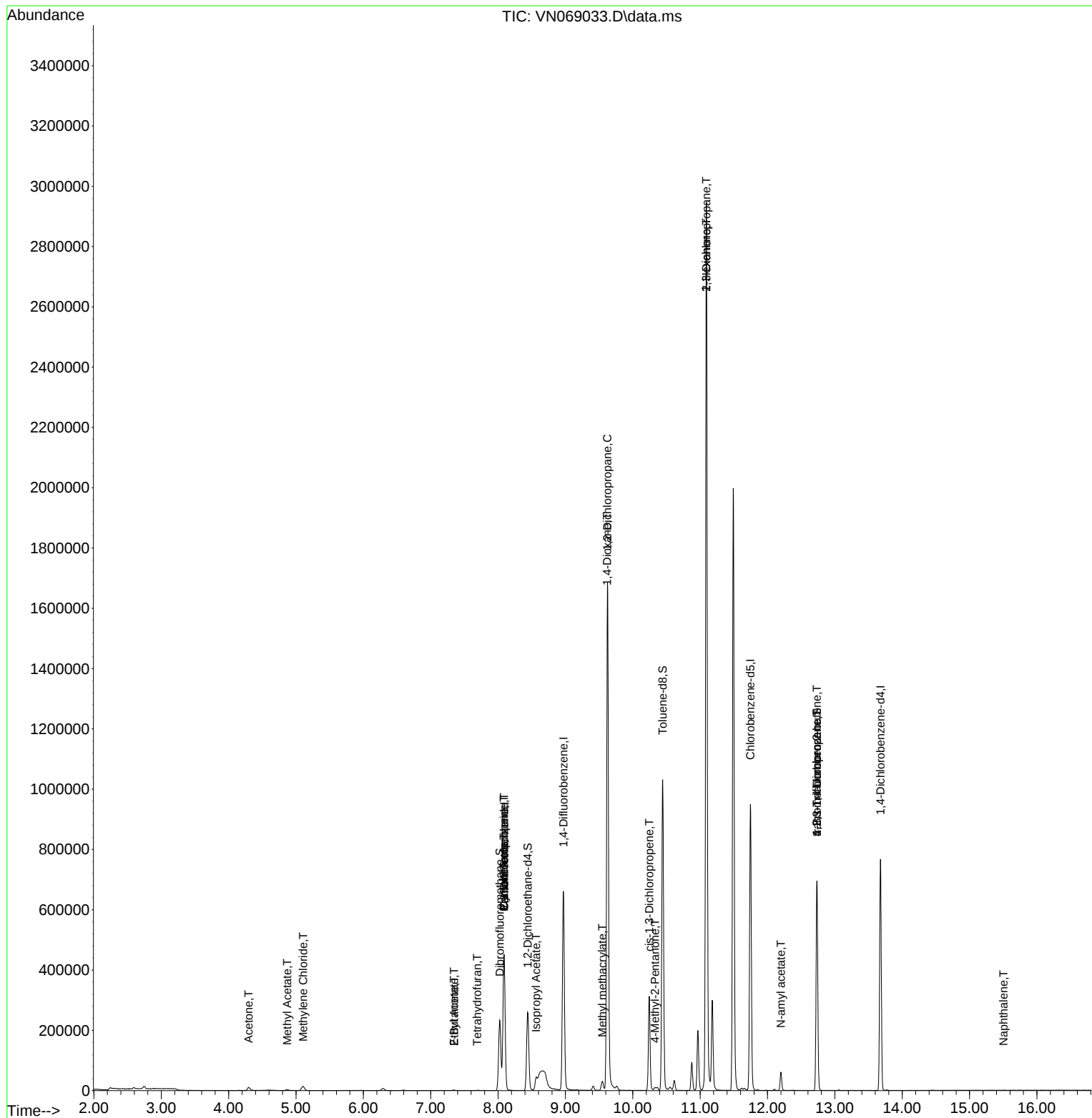
Target Compounds					Qvalue	
16) Acetone	4.296	43	20193	12.080	ug/l	98
18) Methyl Acetate	4.870	43	7162	1.130	ug/l #	80
20) Methylene Chloride	5.106	84	11530	2.997	ug/l	96
25) 2-Butanone	7.345	43	3469	1.372	ug/l	98
29) Tetrahydrofuran	7.689	42	380	0.232	ug/l #	33
31) Cyclohexane	8.088	56	7555	1.085	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27819	5.522	ug/l #	49
37) Ethyl Acetate	7.345	43	3469	0.667	ug/l #	68
38) Carbon Tetrachloride	8.091	117	34980	6.323	ug/l #	16
43) Isopropyl Acetate	8.566	43	51367	5.596	ug/l #	81
45) 1,2-Dichloropropane	9.622	63	2048	0.515	ug/l #	43
48) Methyl methacrylate	9.550	41	7621	1.767	ug/l #	13
49) 1,4-Dioxane	9.620	88	110	36.896	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	4831	0.908	ug/l #	76
54) cis-1,3-Dichloropropene	10.245	75	59388	8.950	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	32096	5.003	ug/l #	42
59) 2-Hexanone	11.092	43	452832	118.634	ug/l #	51
74) N-amyl acetate	12.197	43	19828	3.089	ug/l #	52
76) 1,2,3-Trichloropropane	12.733	75	133977	30.934	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	133977	74.008	ug/l #	12
95) Naphthalene	15.504	128	532	3.864	ug/l #	69

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

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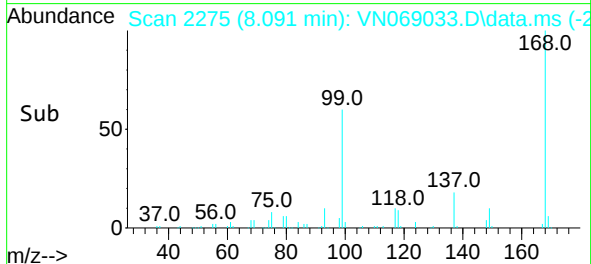
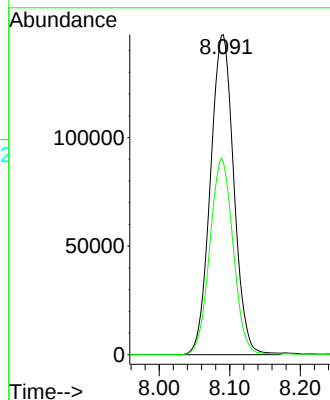
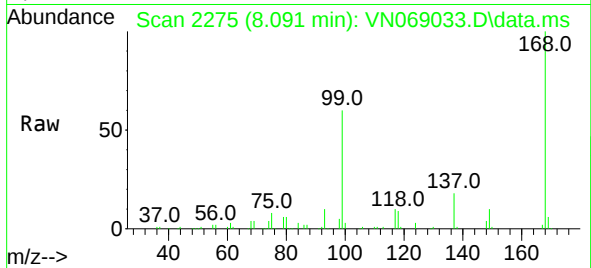




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

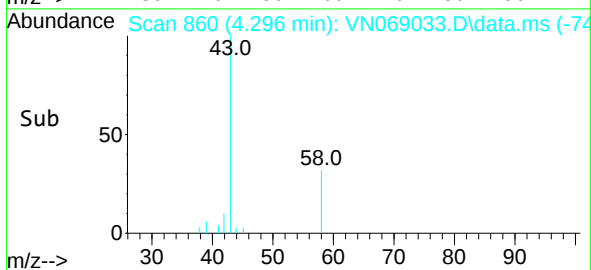
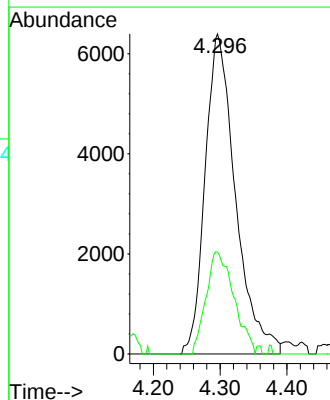
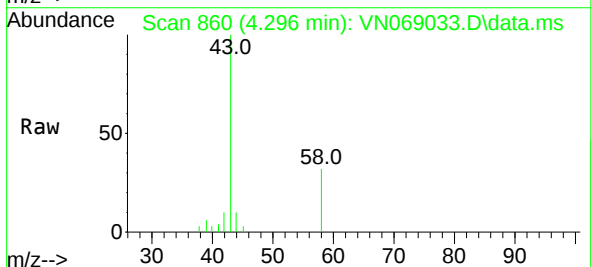
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 339736
Ion Ratio Lower Upper
168 100
99 60.1 48.9 73.3



#16
Acetone
Concen: 12.080 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 43 Resp: 20193
Ion Ratio Lower Upper
43 100
58 31.8 24.5 36.7





#18

Methyl Acetate

Concen: 1.130 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.016 min

Lab File: VN069033.D

Acq: 19 Oct 2021 18:14

Tgt Ion: 43 Resp: 7162

Ion Ratio Lower Upper

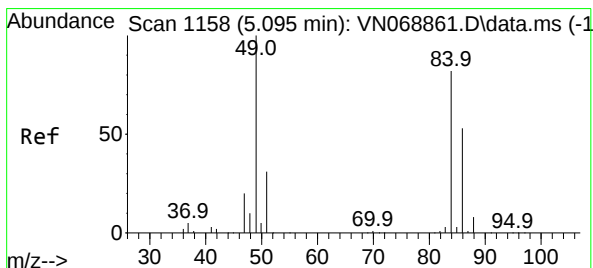
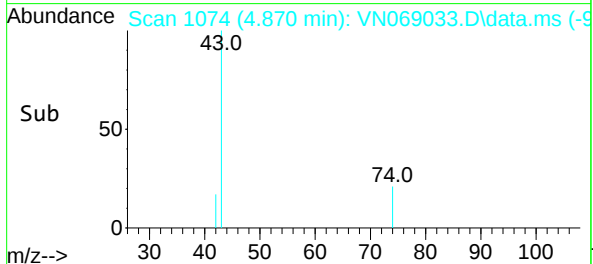
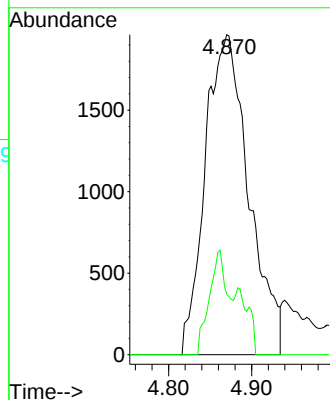
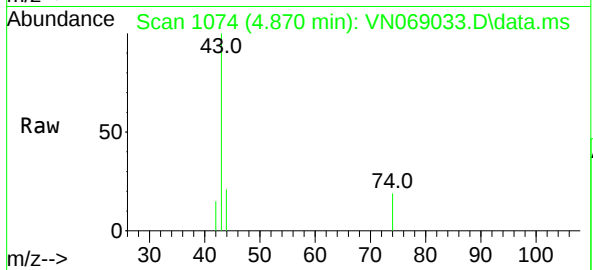
43 100

74 13.9 18.9 28.3#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 2.997 ug/l

RT: 5.106 min Scan# 1162

Delta R.T. 0.011 min

Lab File: VN069033.D

Acq: 19 Oct 2021 18:14

Tgt Ion: 84 Resp: 11530

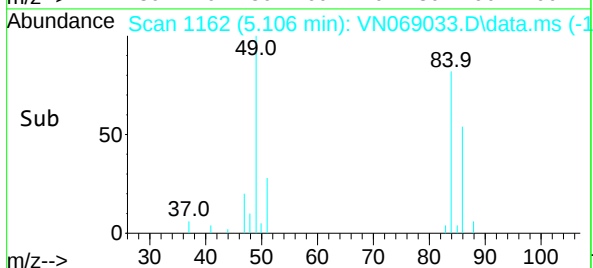
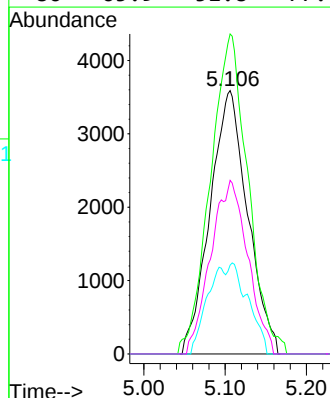
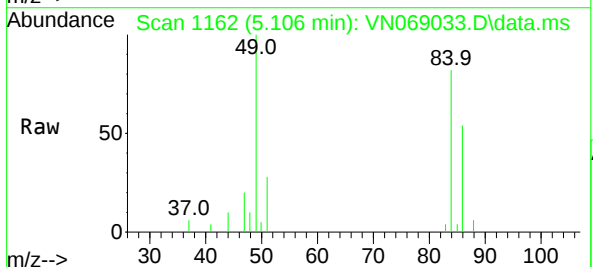
Ion Ratio Lower Upper

84 100

49 117.2 97.6 146.4

51 33.7 30.3 45.5

86 65.9 51.8 77.6

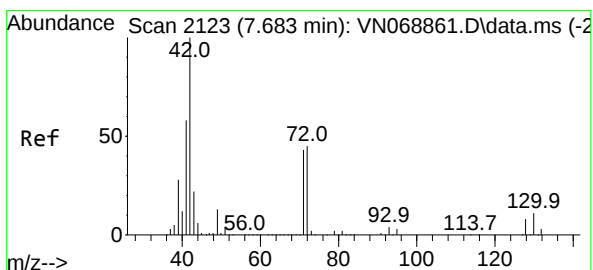
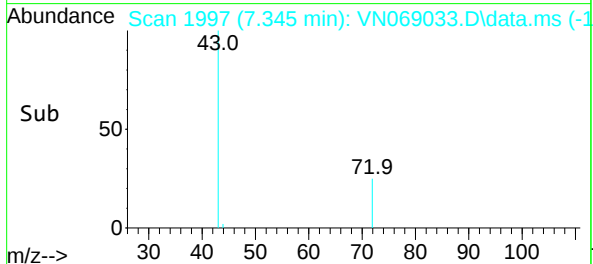
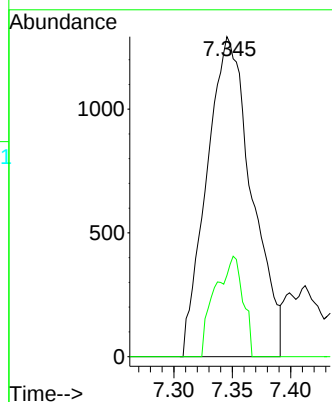
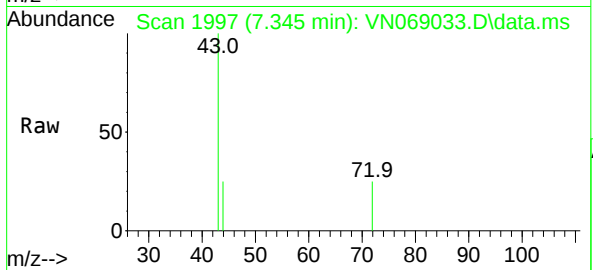




#25
2-Butanone
Concen: 1.372 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

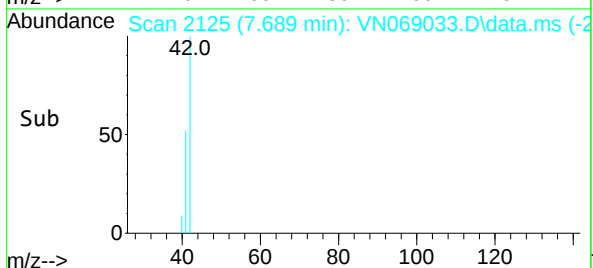
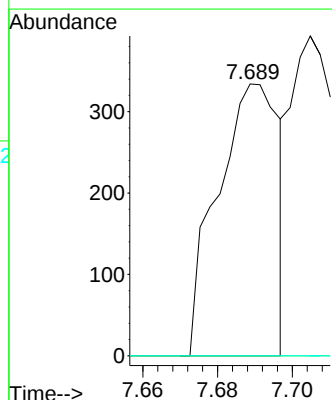
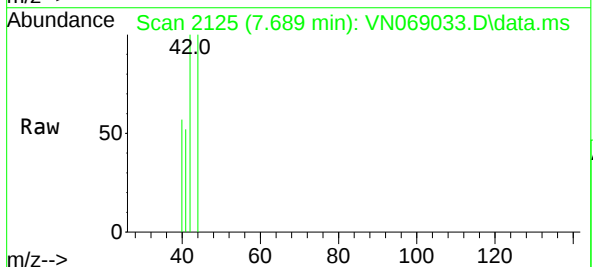
Instrument :
MSVOA_N
ClientSampled :

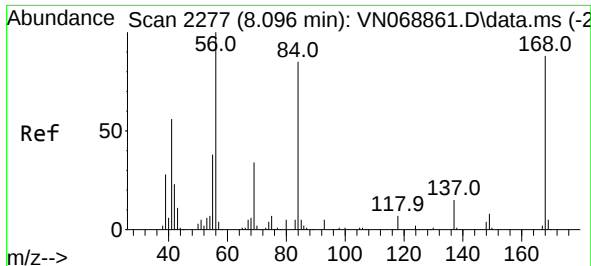
Tgt Ion: 43 Resp: 3469
Ion Ratio Lower Upper
43 100
72 25.4 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.232 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.005 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 42 Resp: 380
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 0.0 33.8 50.6#

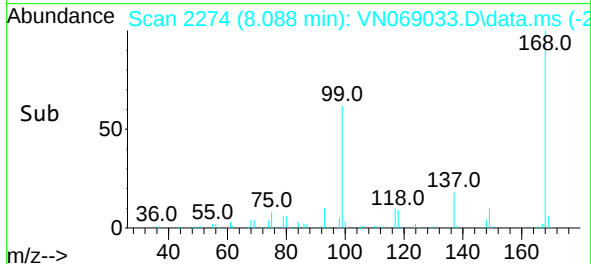
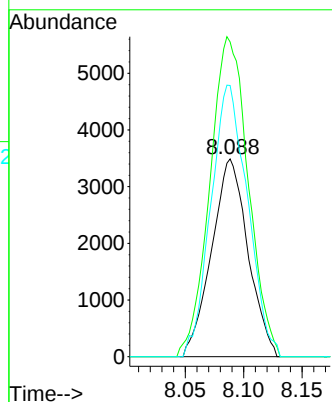
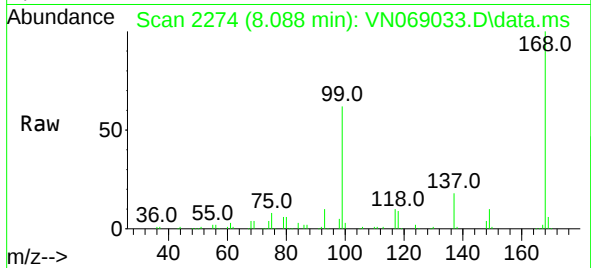




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

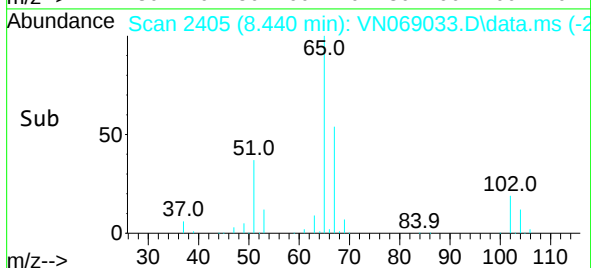
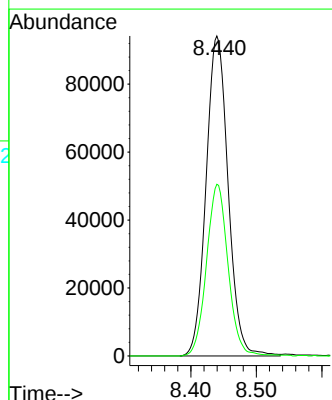
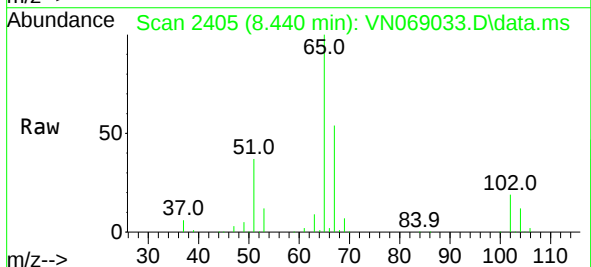
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 7555
Ion Ratio Lower Upper
56 100
69 159.1 26.9 40.3#
84 137.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.119 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 65 Resp: 220017
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.8

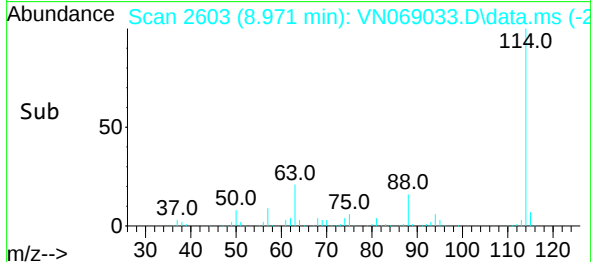
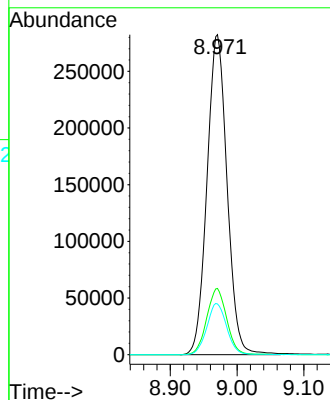
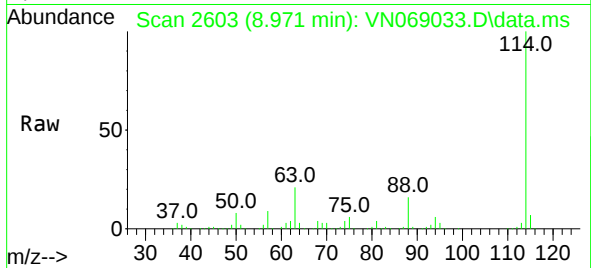




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

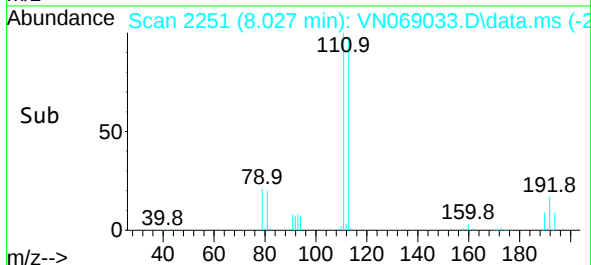
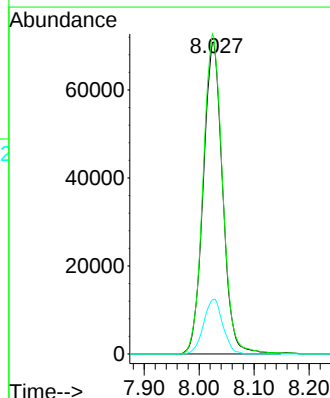
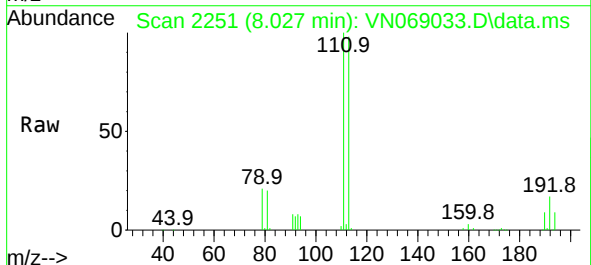
Instrument :
MSVOA_N
ClientSampled :

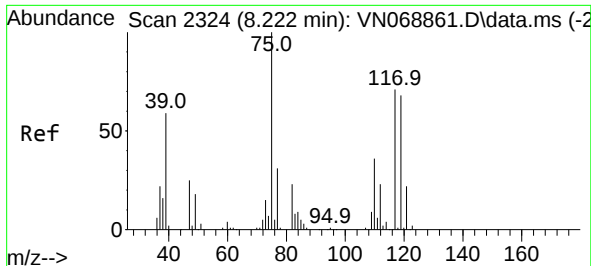
Tgt Ion:114 Resp: 589752
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.504 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion:113 Resp: 173292
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 17.4 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.522 ug/l

RT: 8.088 min Scan# 2274

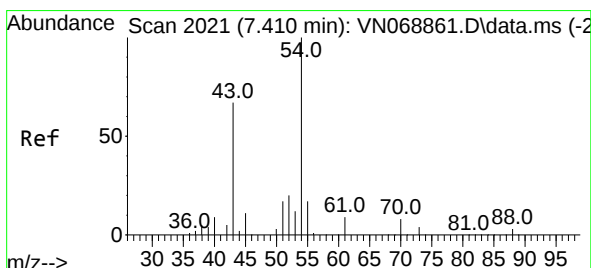
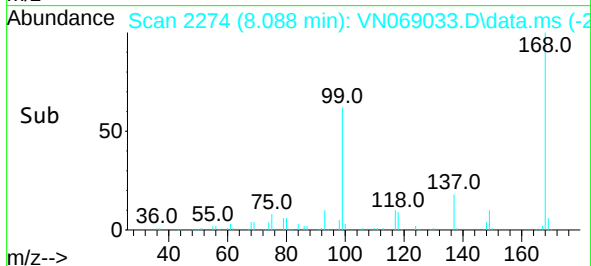
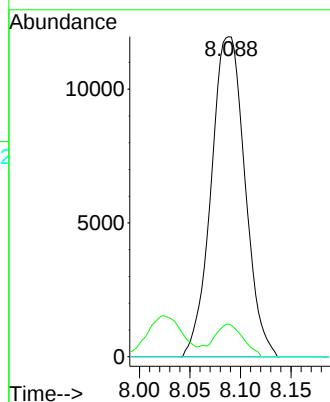
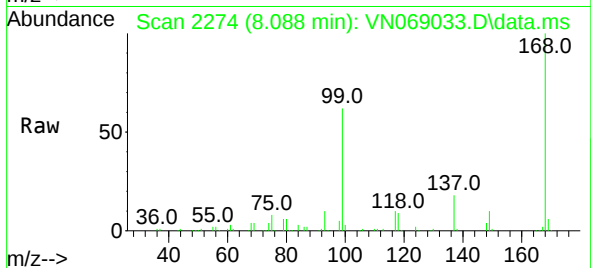
Delta R.T. -0.134 min

Lab File: VN069033.D

Acq: 19 Oct 2021 18:14

Tgt Ion:	75	Resp:	27819
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampleId :



#37

Ethyl Acetate

Concen: 0.667 ug/l

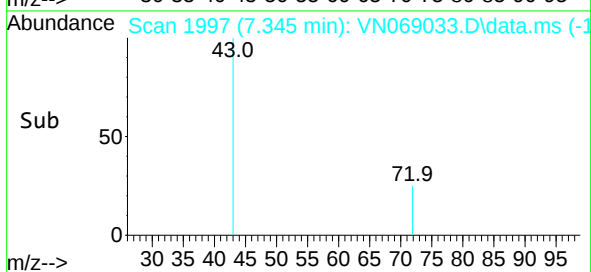
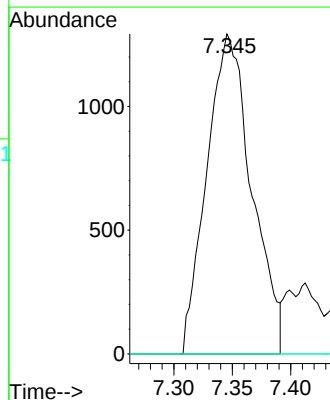
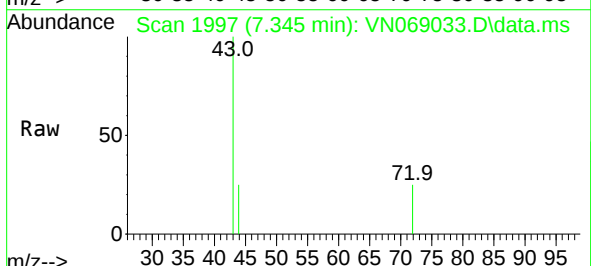
RT: 7.345 min Scan# 1997

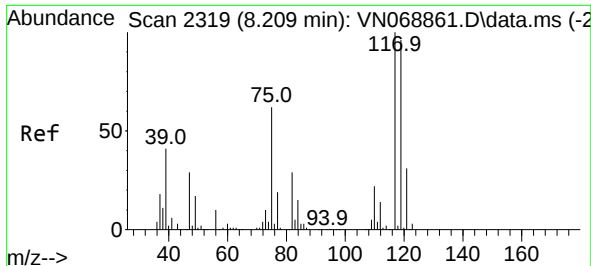
Delta R.T. -0.064 min

Lab File: VN069033.D

Acq: 19 Oct 2021 18:14

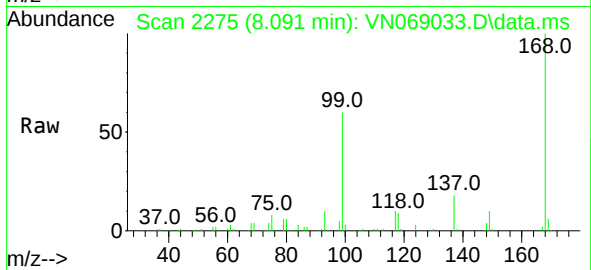
Tgt Ion:	43	Resp:	3469
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



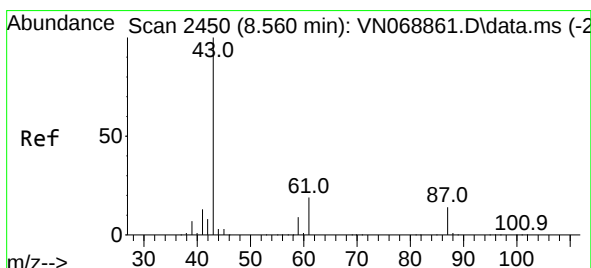
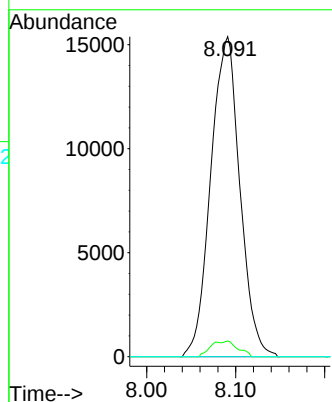
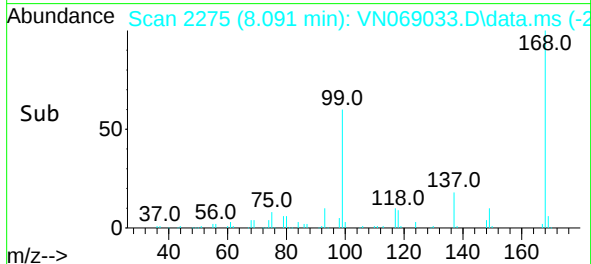


#38
Carbon Tetrachloride
Concen: 6.323 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

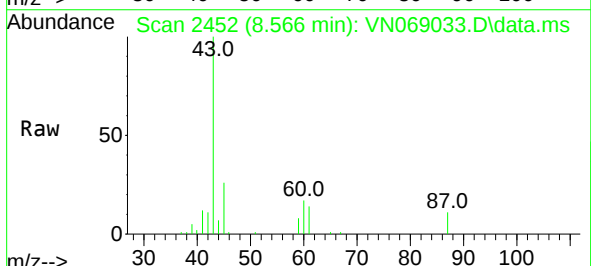
Instrument :
MSVOA_N
ClientSampleId :



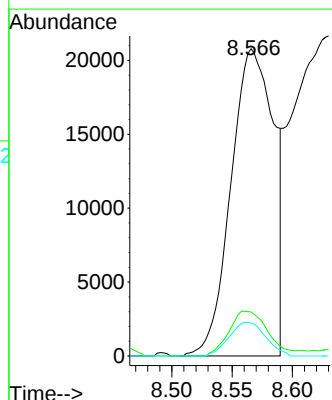
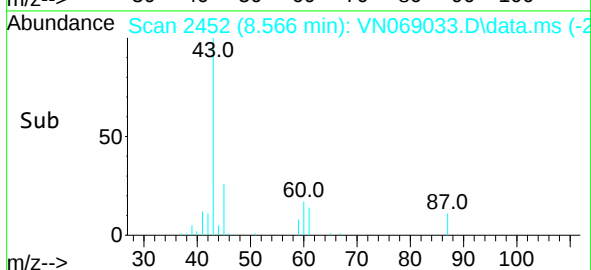
Tgt Ion:117 Resp: 34980
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#

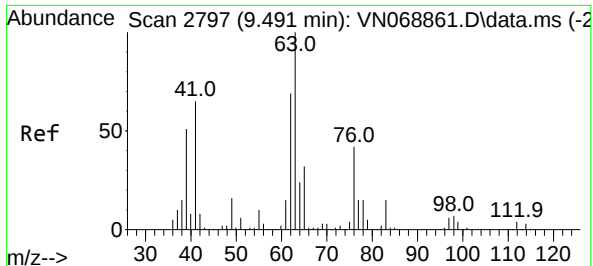


#43
Isopropyl Acetate
Concen: 5.596 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14



Tgt Ion: 43 Resp: 51367
Ion Ratio Lower Upper
43 100
61 13.3 20.4 30.6#
87 9.3 10.7 16.1#



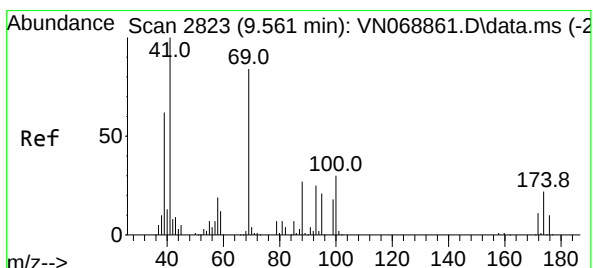
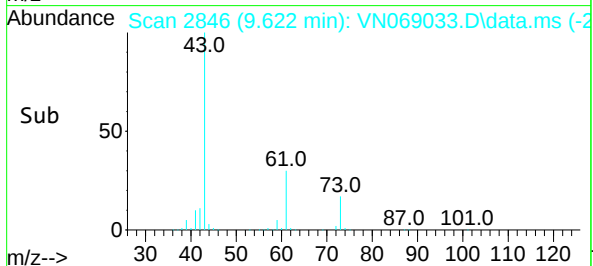
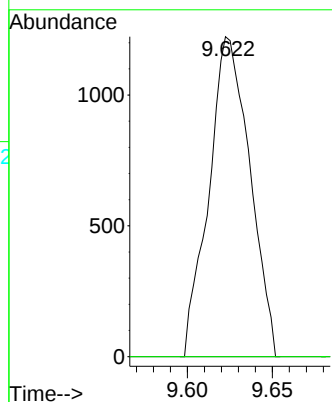
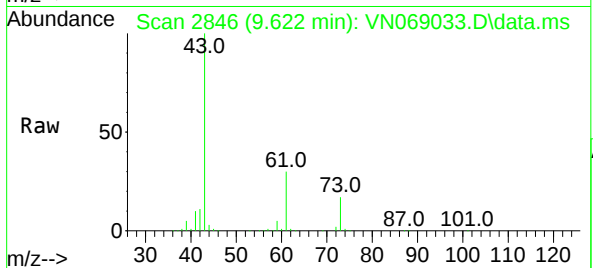


#45

1,2-Dichloropropane
Concen: 0.515 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Instrument :
MSVOA_N
ClientSampled :

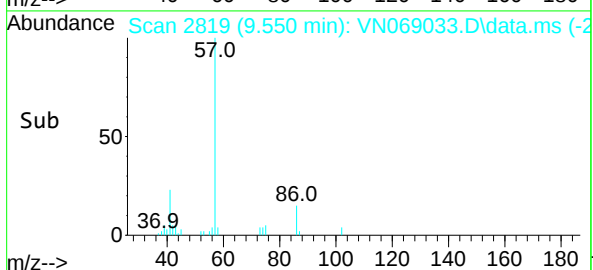
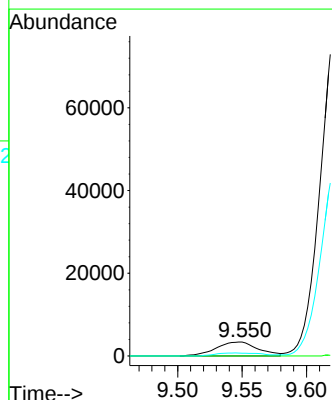
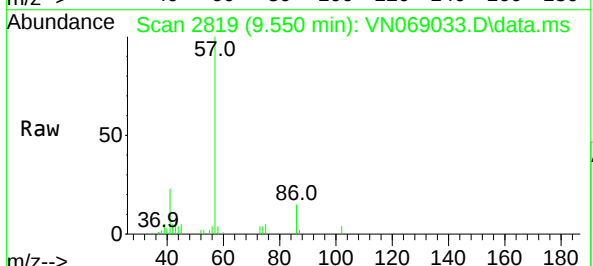
Tgt Ion: 63 Resp: 2048
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

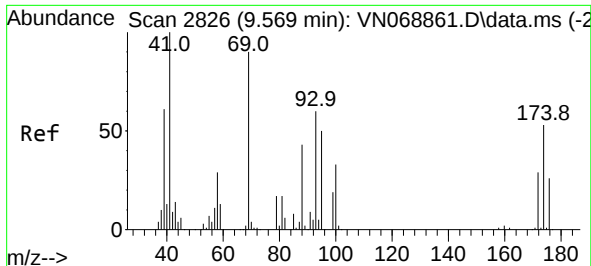


#48

Methyl methacrylate
Concen: 1.767 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 41 Resp: 7621
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: 36.896 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.051 min

Lab File: VN069033.D

Acq: 19 Oct 2021 18:14

Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

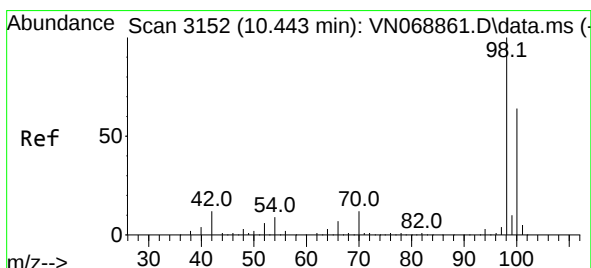
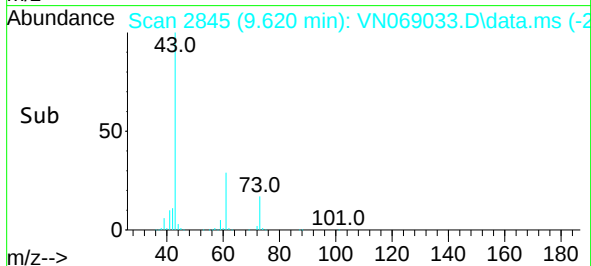
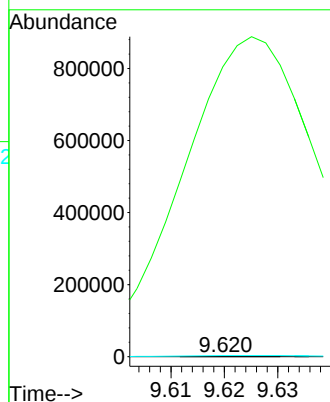
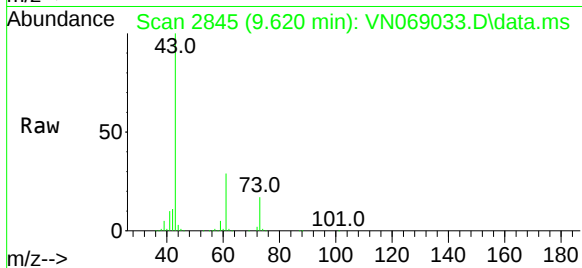
43 1547064.5 24.9 37.3#

58 5810.9 56.9 85.3#

Instrument :

MSVOA_N

ClientSampleId :



#50

Toluene-d8

Concen: 53.808 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069033.D

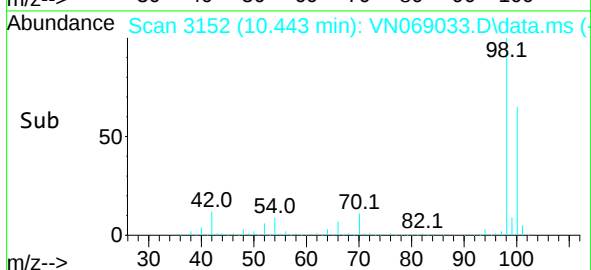
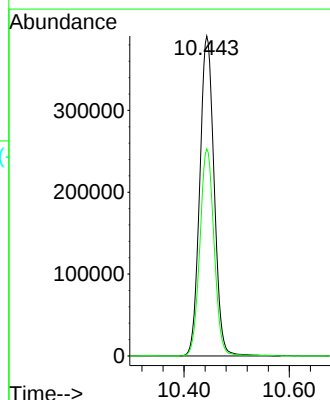
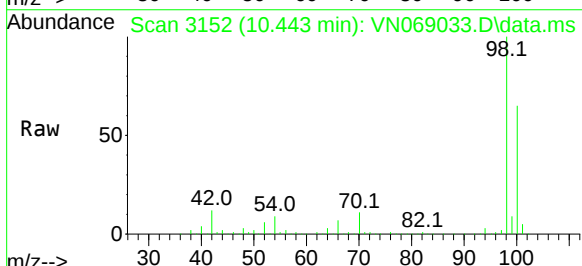
Acq: 19 Oct 2021 18:14

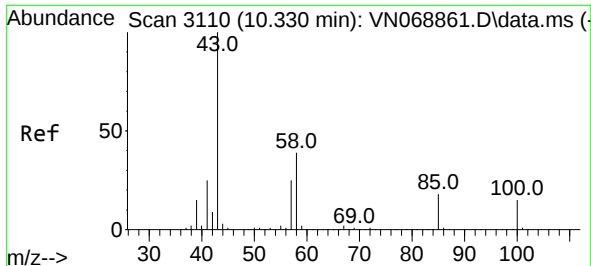
Tgt Ion: 98 Resp: 738726

Ion Ratio Lower Upper

98 100

100 64.3 51.5 77.3

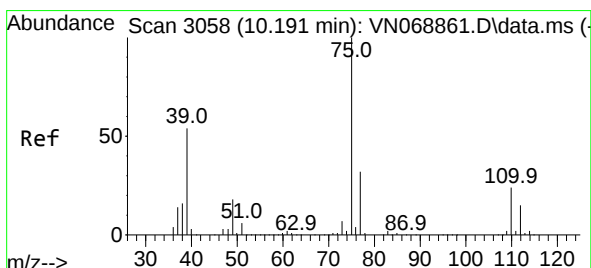
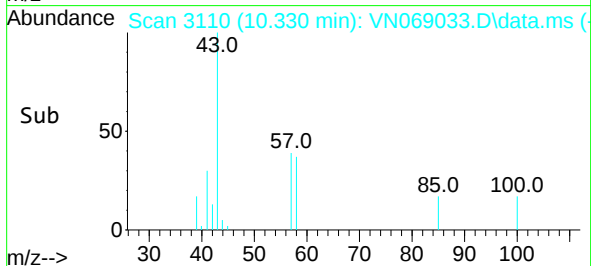
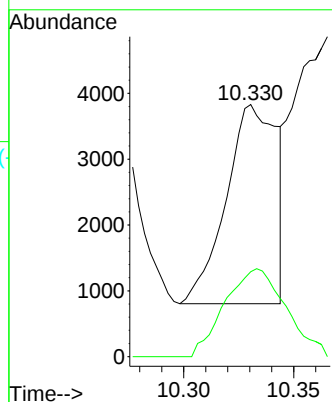
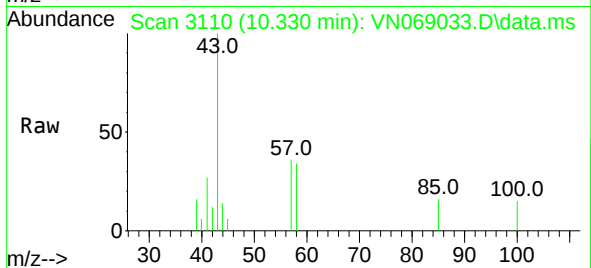




#51
4-Methyl-2-Pentanone
Concen: 0.908 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

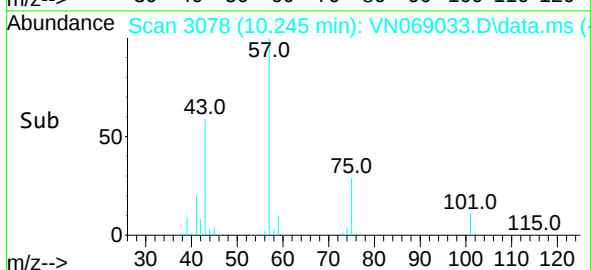
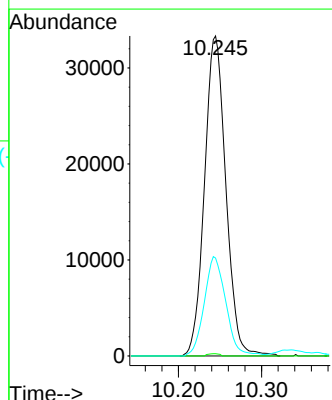
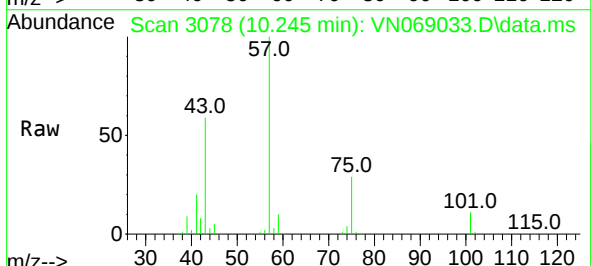
Instrument :
MSVOA_N
ClientSampled :

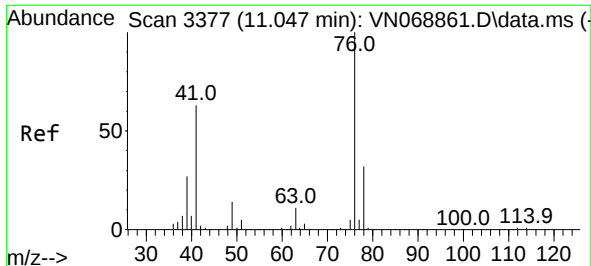
Tgt Ion: 43 Resp: 4831
Ion Ratio Lower Upper
43 100
58 53.3 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.950 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 75 Resp: 59388
Ion Ratio Lower Upper
75 100
77 0.7 25.6 38.4#
39 30.6 42.9 64.3#

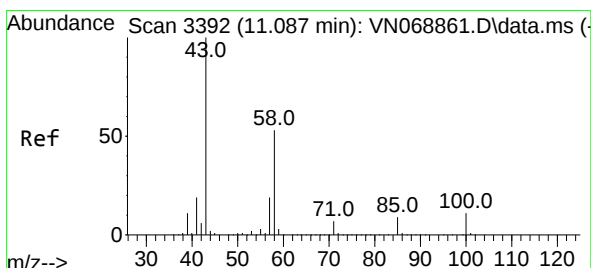
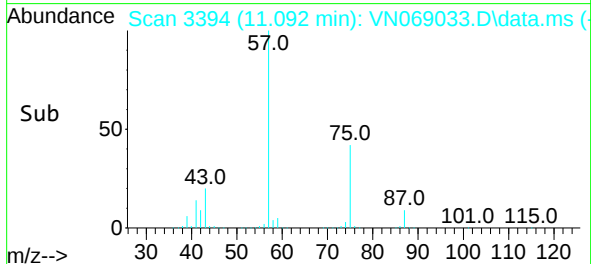
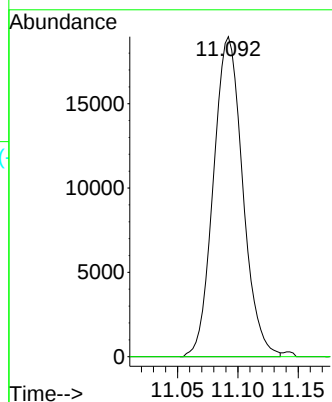
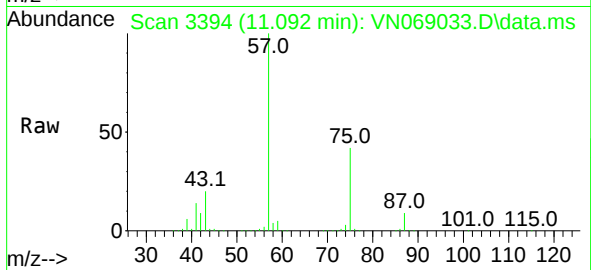




#57
1,3-Dichloropropane
Concen: 5.003 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

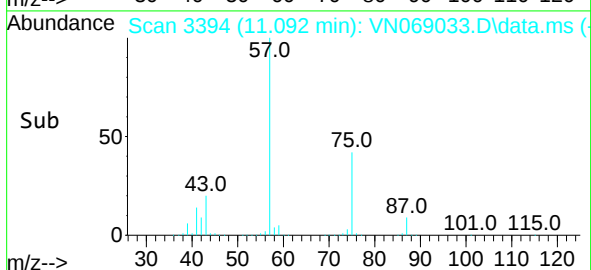
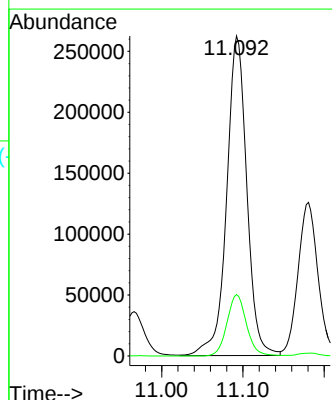
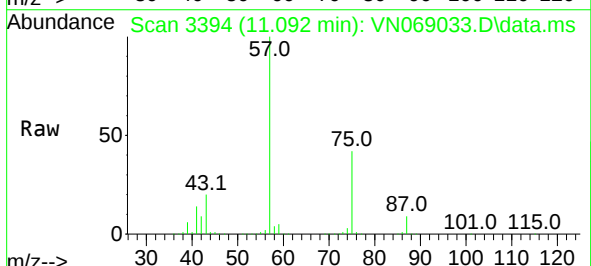
Instrument :
MSVOA_N
ClientSampled :

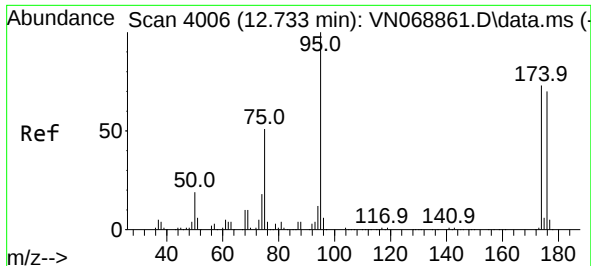
Tgt Ion: 76 Resp: 32096
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 118.634 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 43 Resp: 452832
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#

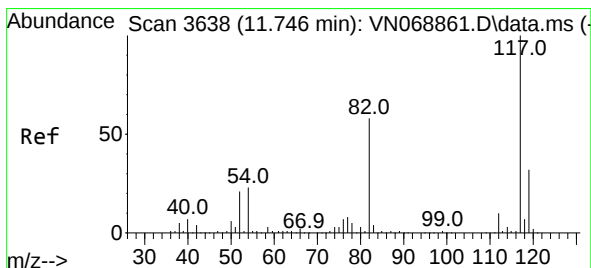
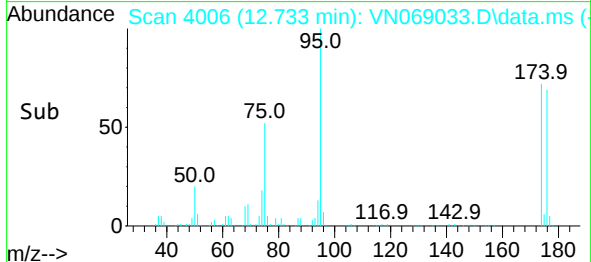
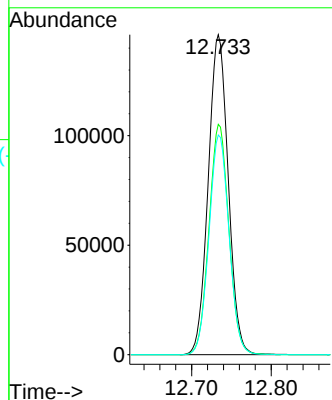
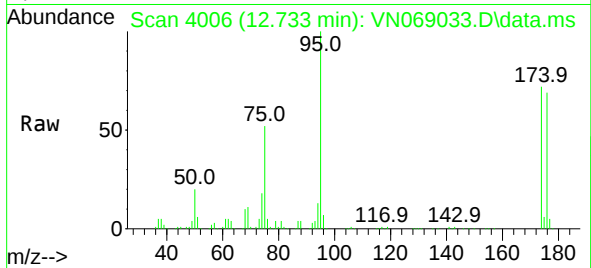




#62
4-Bromofluorobenzene
Concen: 49.198 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

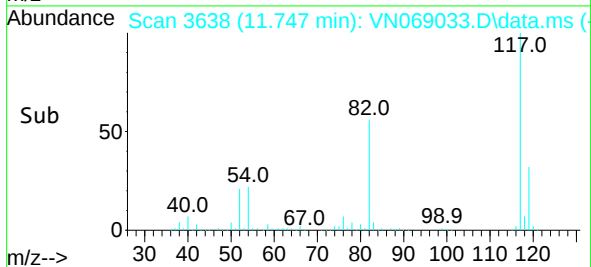
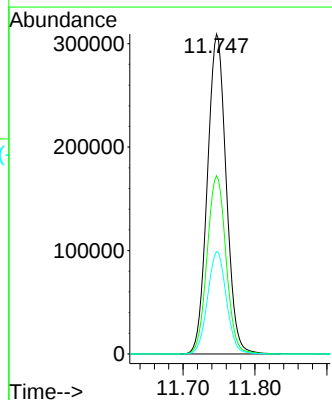
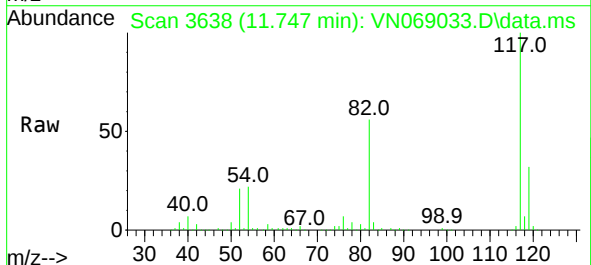
Instrument :
MSVOA_N
ClientSampleId :

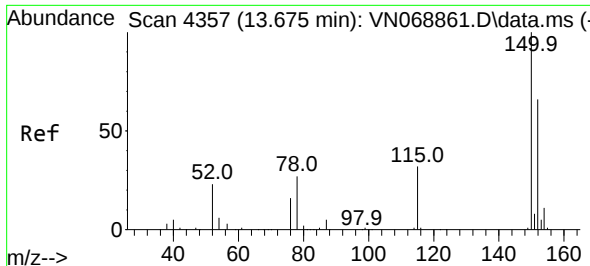
Tgt Ion: 95 Resp: 254836
Ion Ratio Lower Upper
95 100
174 71.7 0.0 144.8
176 68.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 117 Resp: 563343
Ion Ratio Lower Upper
117 100
82 55.7 46.4 69.6
119 32.0 26.0 39.0

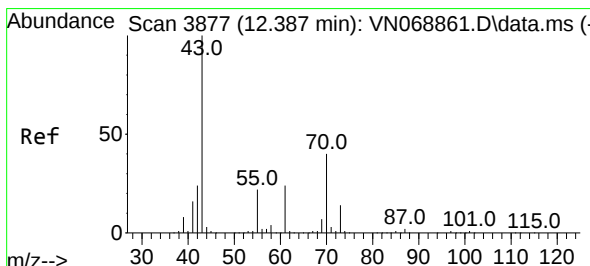
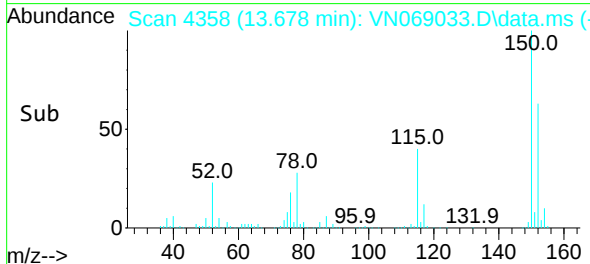
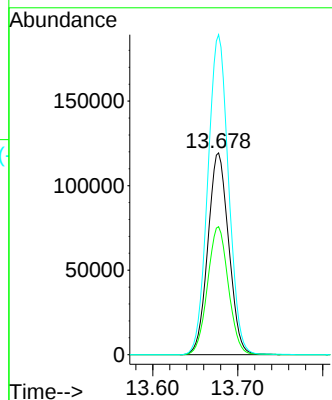
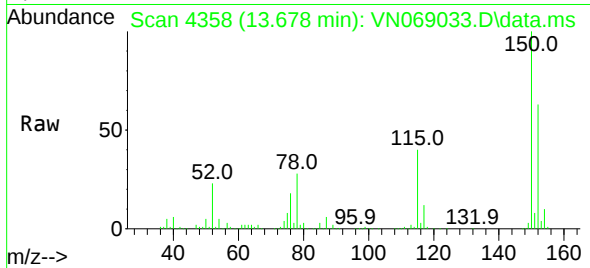




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

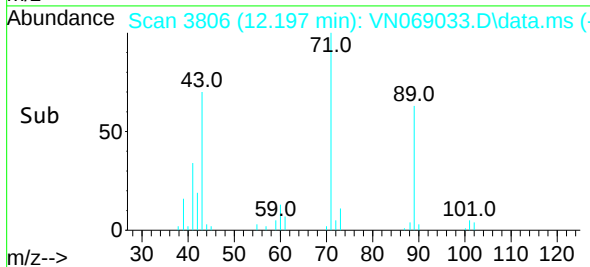
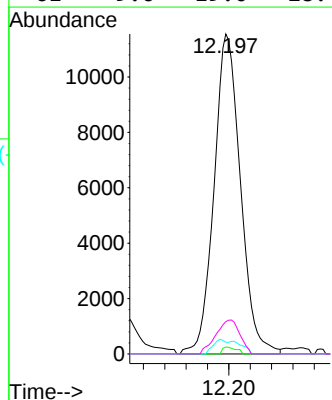
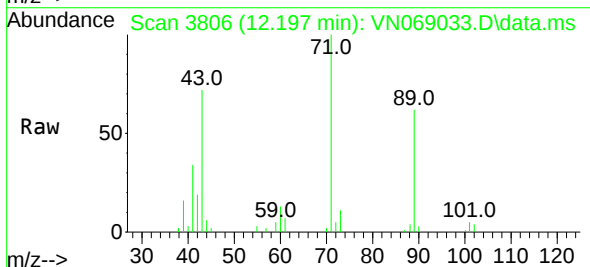
Instrument :
MSVOA_N
ClientSampleId :

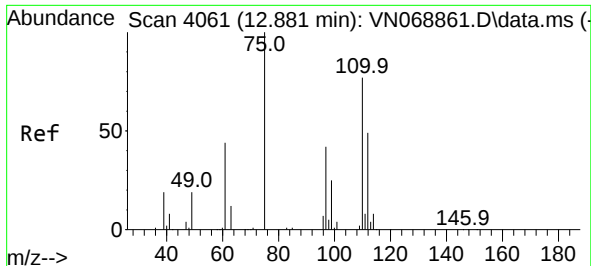
Tgt Ion:152 Resp: 203555
Ion Ratio Lower Upper
152 100
115 63.4 31.4 94.3
150 157.7 0.0 351.0



#74
N-ethyl acetate
Concen: 3.089 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Tgt Ion: 43 Resp: 19828
Ion Ratio Lower Upper
43 100
70 1.1 32.2 48.2#
55 2.5 18.0 27.0#
61 9.6 19.0 28.4#

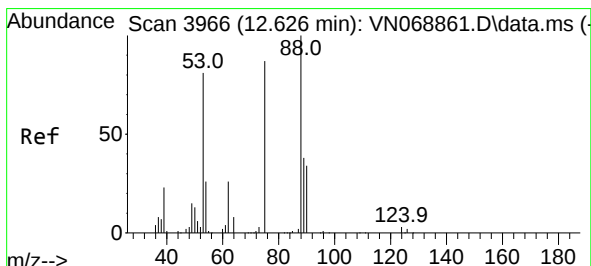
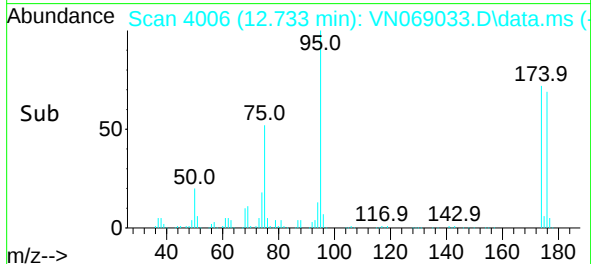
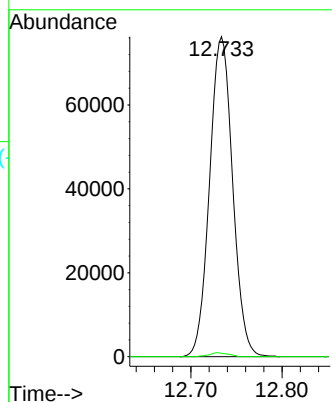
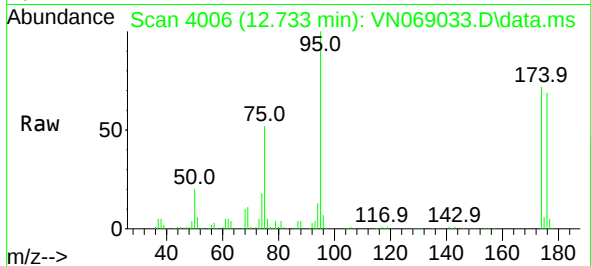




#76
1,2,3-Trichloropropane
Concen: 30.934 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

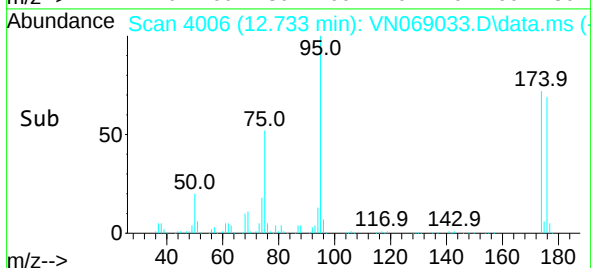
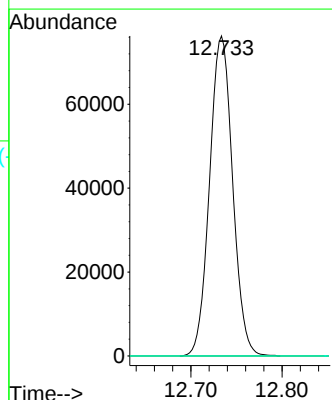
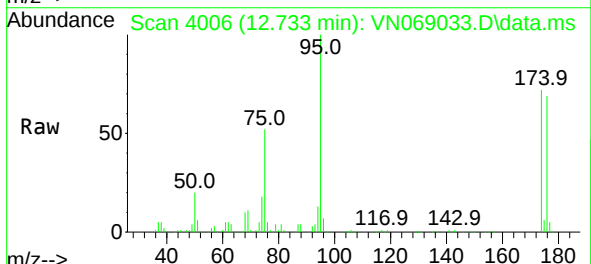
Instrument :
MSVOA_N
ClientSampled :

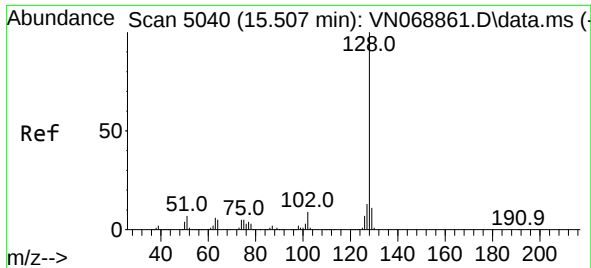
Tgt Ion: 75 Resp: 133977
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.008 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

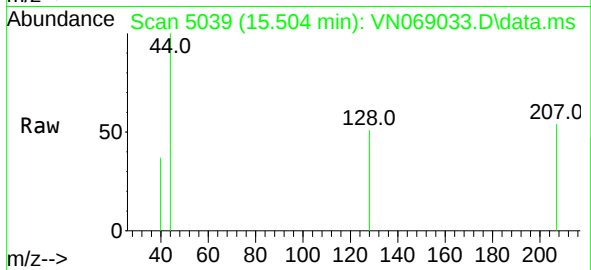
Tgt Ion: 75 Resp: 133977
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.864 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069033.D
Acq: 19 Oct 2021 18:14

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	532
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

