

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069032.D
 Acq On : 19 Oct 2021 17:49
 Operator : JC/MD
 Sample : M4242-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:49:33 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

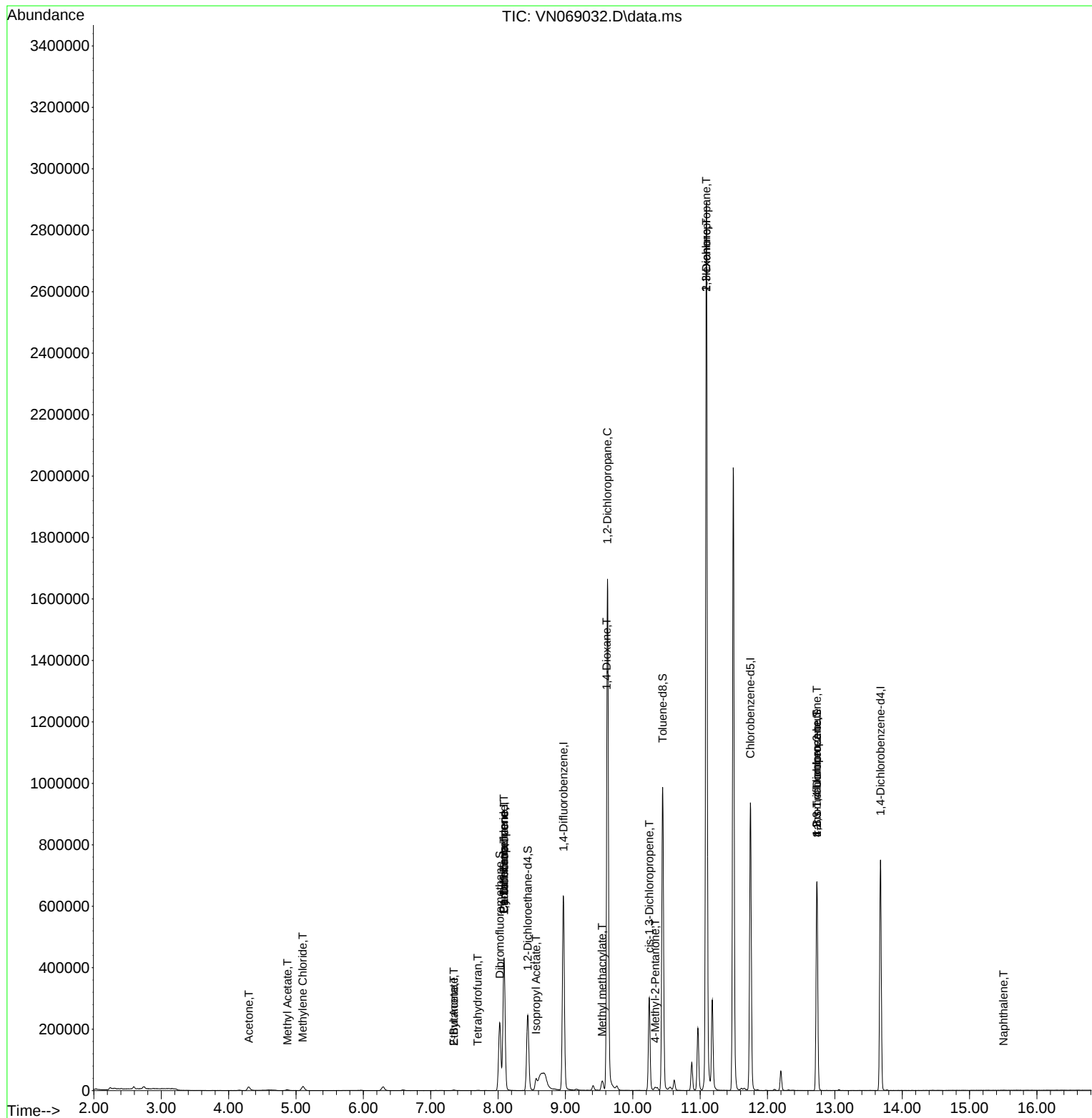
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	328006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	567033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	548007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	196483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	210311	48.631	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	97.260%	
35) Dibromofluoromethane	8.027	113	166568	50.490	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.980%	
50) Toluene-d8	10.443	98	711473	53.899	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.800%	
62) 4-Bromofluorobenzene	12.733	95	249442	50.087	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	100.180%	
Target Compounds						
					Qvalue	
16) Acetone	4.299	43	22792	14.123	ug/l	97
18) Methyl Acetate	4.873	43	6069	0.991	ug/l #	58
20) Methylene Chloride	5.101	84	10955	2.949	ug/l	89
25) 2-Butanone	7.343	43	3897	1.597	ug/l	94
29) Tetrahydrofuran	7.697	42	512	0.323	ug/l #	83
31) Cyclohexane	8.088	56	7567	1.125	ug/l #	1
36) 1,1-Dichloropropene	8.091	75	26569	5.486	ug/l #	49
37) Ethyl Acetate	7.343	43	3897	0.779	ug/l #	68
38) Carbon Tetrachloride	8.088	117	33101	6.223	ug/l #	15
43) Isopropyl Acetate	8.563	43	47010	5.326	ug/l #	84
45) 1,2-Dichloropropane	9.622	63	2000	0.523	ug/l #	43
48) Methyl methacrylate	9.545	41	8042	1.939	ug/l #	13
49) 1,4-Dioxane	9.614	88	114	36.994	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	5192	1.015	ug/l #	72
54) cis-1,3-Dichloropropene	10.245	75	58901	9.232	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	31930	5.176	ug/l #	42
59) 2-Hexanone	11.092	43	447533	121.944	ug/l #	51
76) 1,2,3-Trichloropropane	12.733	75	131326	31.413	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131326	75.154	ug/l #	12
95) Naphthalene	15.504	128	633	3.876	ug/l #	69

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

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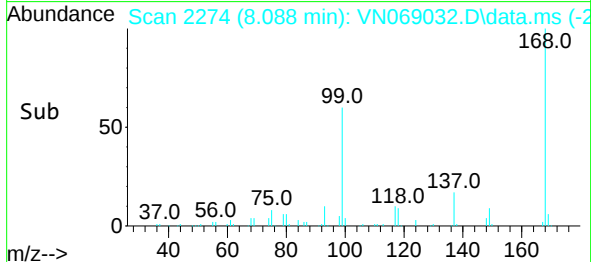
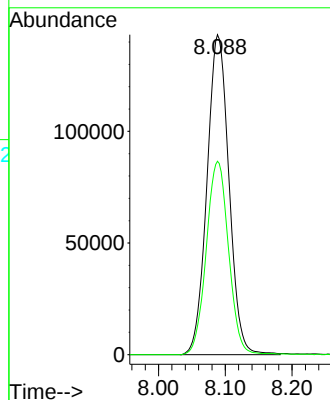
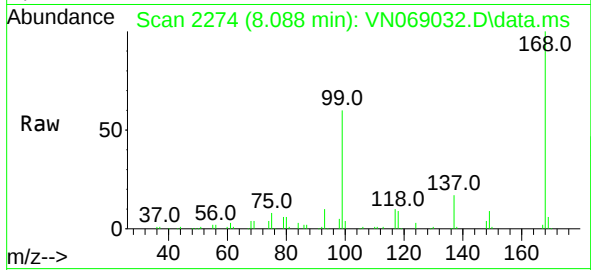




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

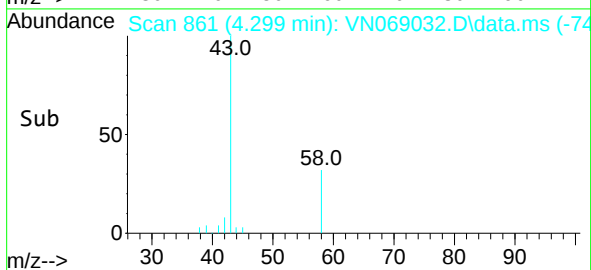
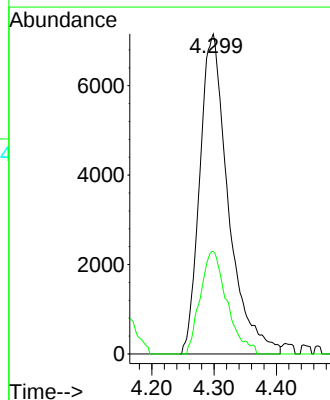
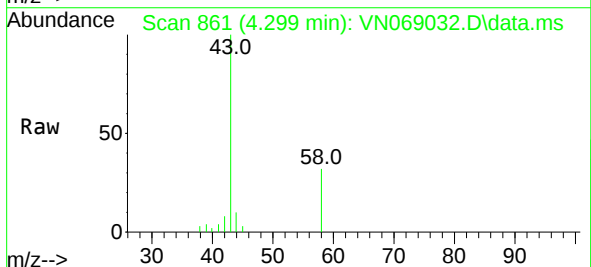
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 328006
Ion Ratio Lower Upper
168 100
99 60.4 48.9 73.3



#16
Acetone
Concen: 14.123 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Tgt Ion: 43 Resp: 22792
Ion Ratio Lower Upper
43 100
58 32.0 24.5 36.7





#18

Methyl Acetate

Concen: 0.991 ug/l

RT: 4.873 min Scan# 1075

Delta R.T. 0.019 min

Lab File: VN069032.D

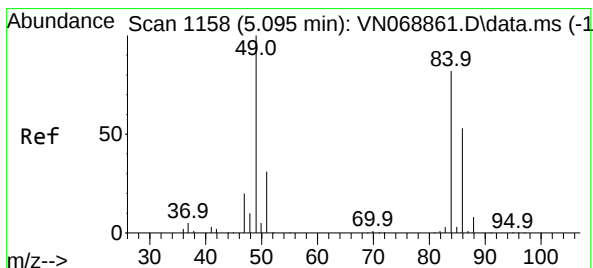
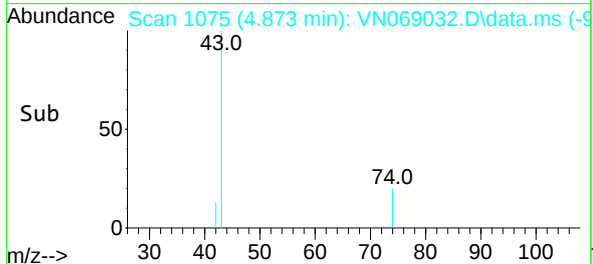
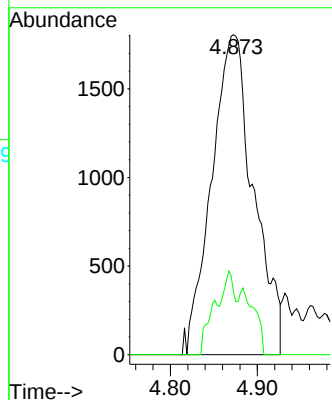
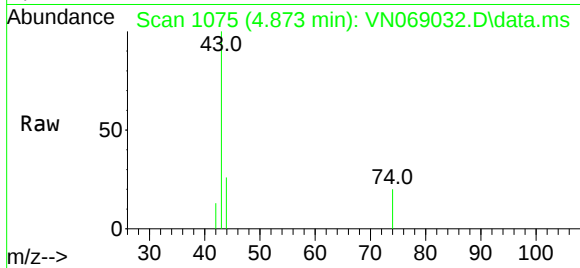
Acq: 19 Oct 2021 17:49

Tgt Ion: 43 Resp: 6069

Ion Ratio Lower Upper

43 100

74 3.0 18.9 28.3#



#20

Methylene Chloride

Concen: 2.949 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.005 min

Lab File: VN069032.D

Acq: 19 Oct 2021 17:49

Tgt Ion: 84 Resp: 10955

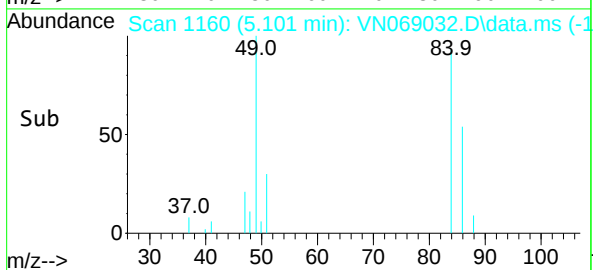
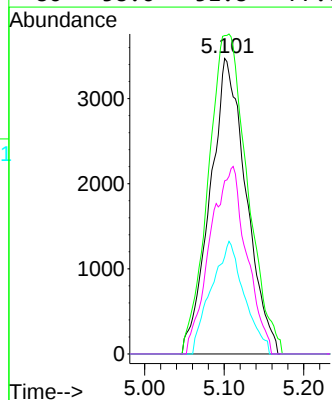
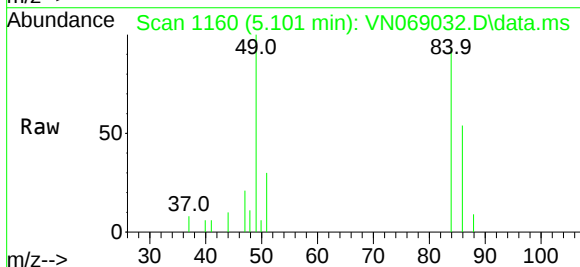
Ion Ratio Lower Upper

84 100

49 107.7 97.6 146.4

51 32.8 30.3 45.5

86 58.6 51.8 77.6

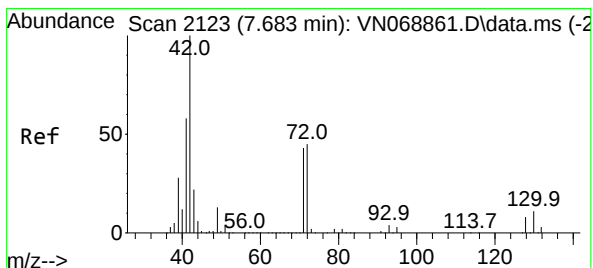
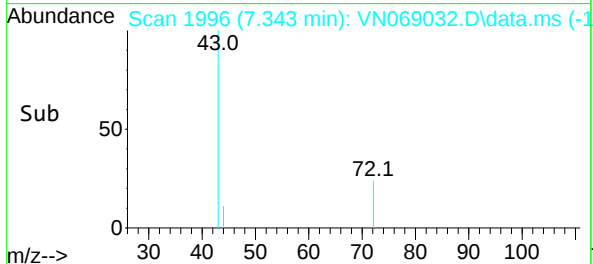
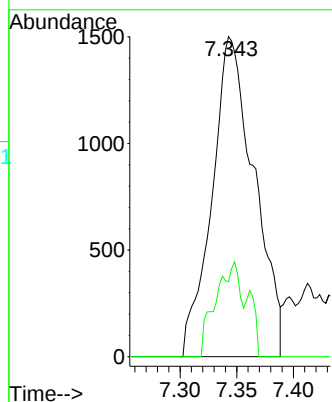
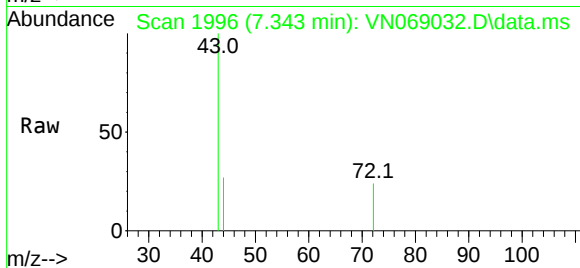




#25
2-Butanone
Concen: 1.597 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

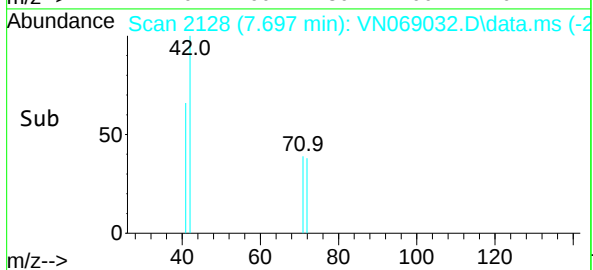
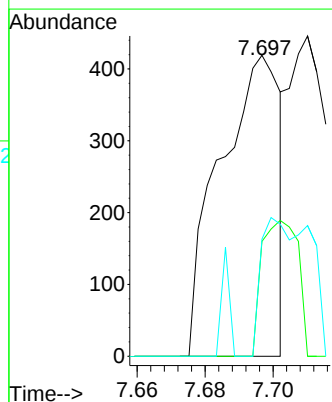
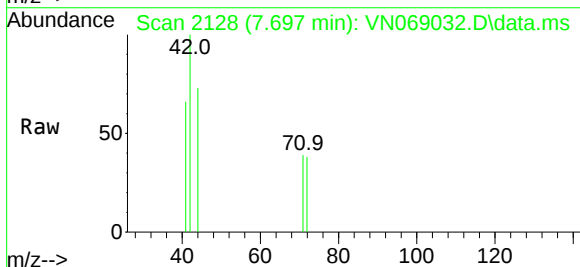
Instrument :
MSVOA_N
ClientSampled :

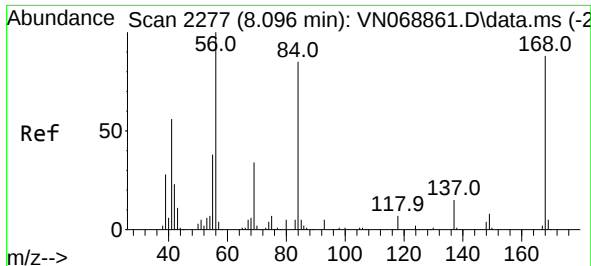
Tgt Ion: 43 Resp: 3897
Ion Ratio Lower Upper
43 100
72 23.5 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.323 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.013 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

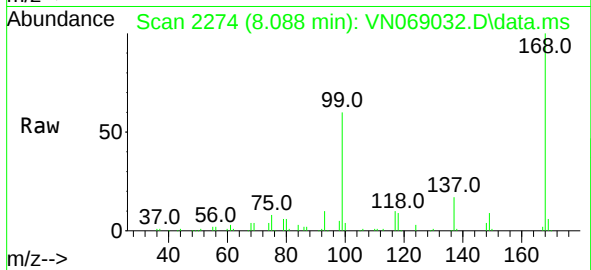
Tgt Ion: 42 Resp: 512
Ion Ratio Lower Upper
42 100
72 27.1 35.4 53.2#
71 37.9 33.8 50.6



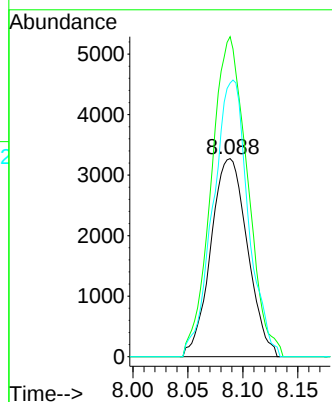
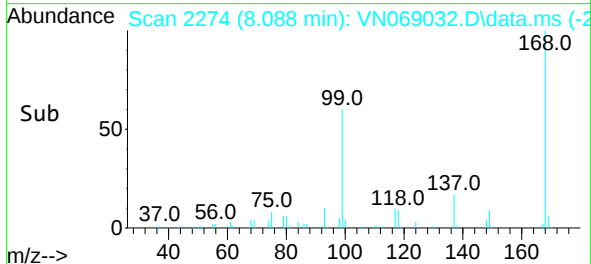


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

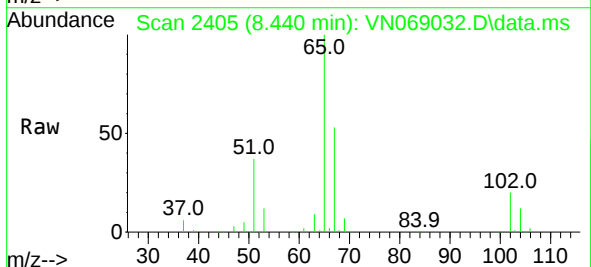
Instrument :
MSVOA_N
ClientSampleId :



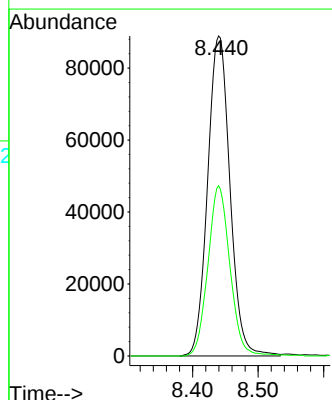
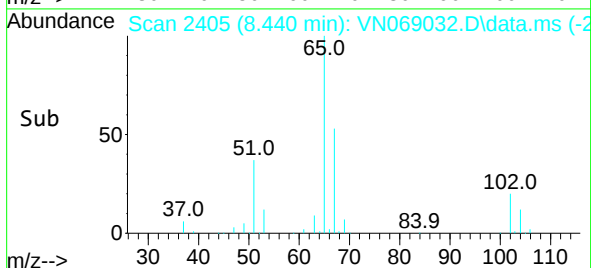
Tgt Ion: 56 Resp: 7567
Ion Ratio Lower Upper
56 100
69 161.6 26.9 40.3#
84 138.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.631 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49



Tgt Ion: 65 Resp: 210311
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

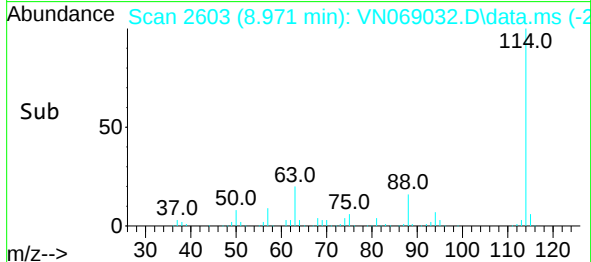
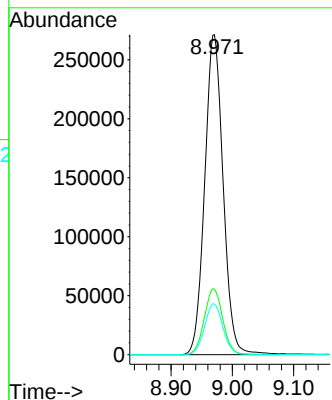
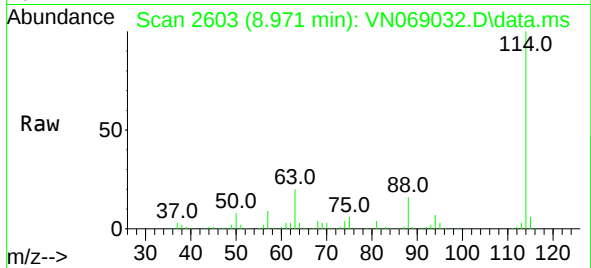




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

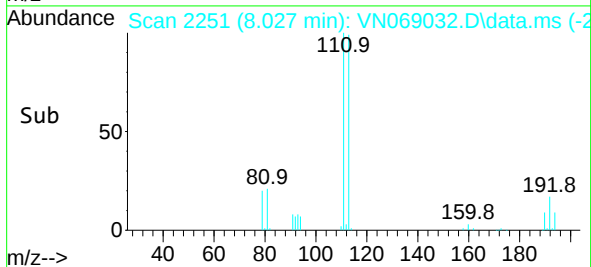
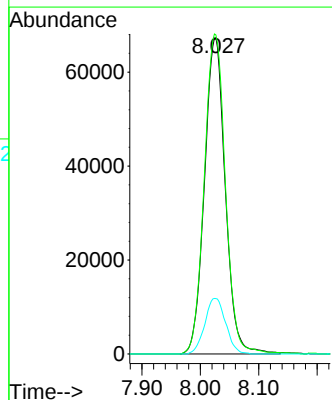
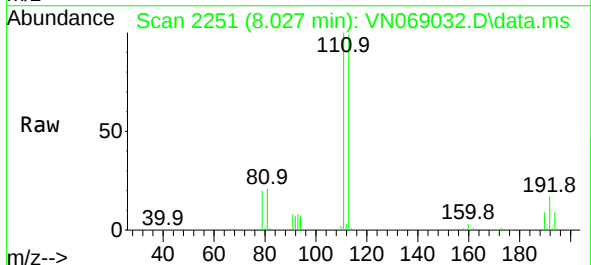
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MSVOA_N
ClientSampled :

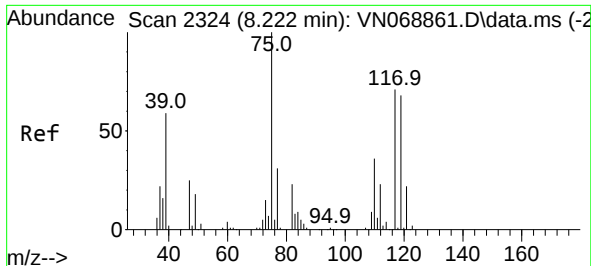
Tgt Ion:114 Resp: 567033
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.490 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Tgt Ion:113 Resp: 166568
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 17.7 15.0 22.4

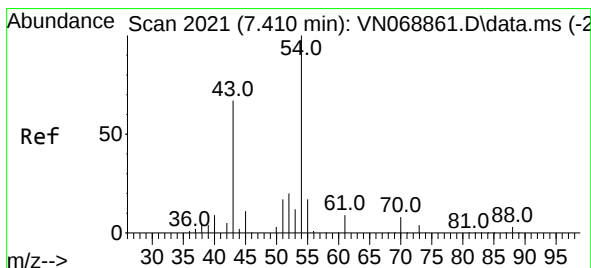
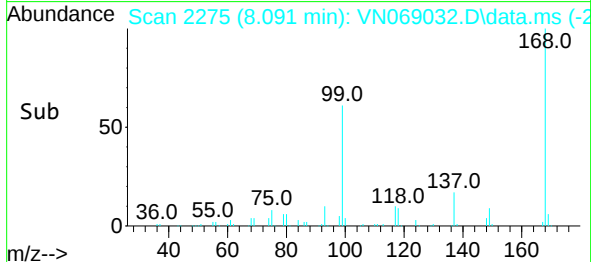
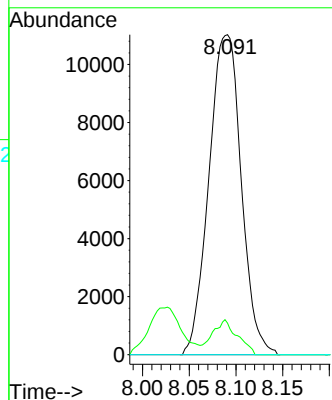
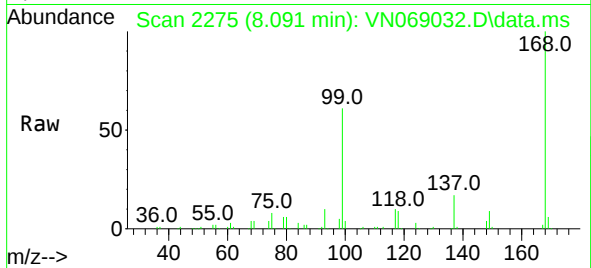




#36
1,1-Dichloropropene
Concen: 5.486 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

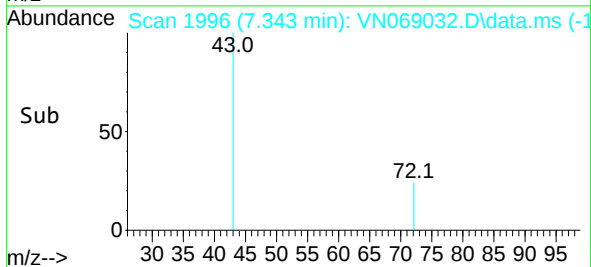
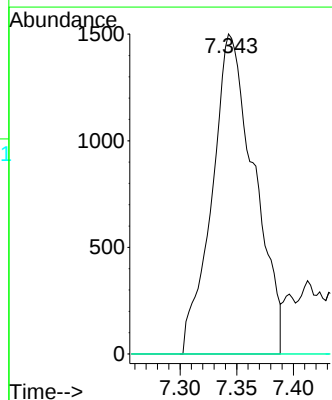
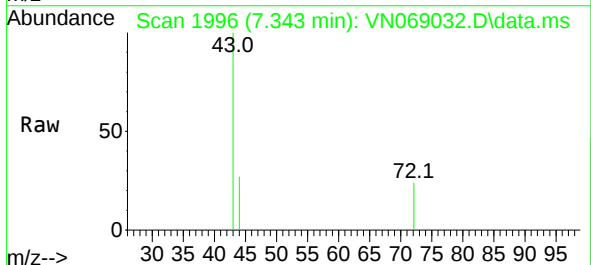
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MSVOA_N
ClientSampled :

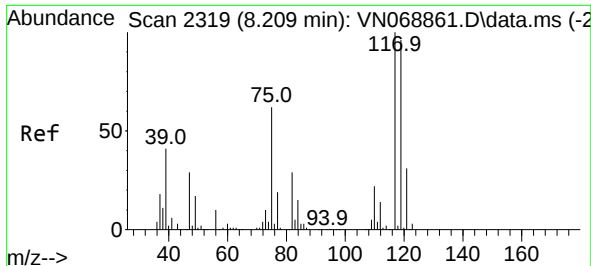
Tgt Ion: 75 Resp: 26569
Ion Ratio Lower Upper
75 100
110 8.5 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.779 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

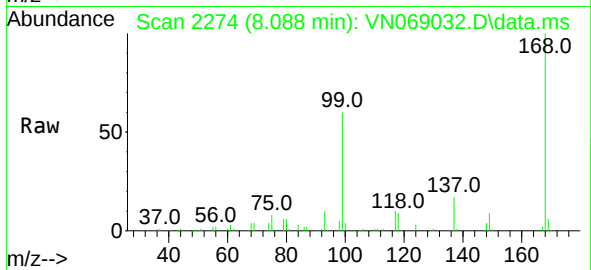
Tgt Ion: 43 Resp: 3897
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



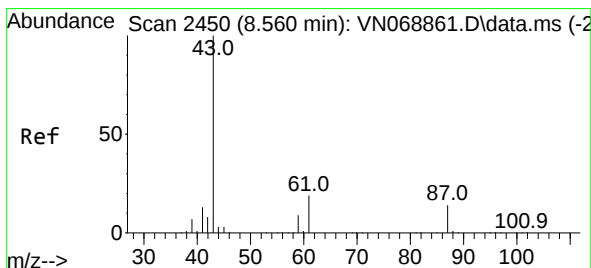
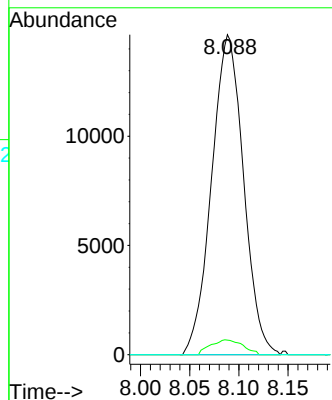
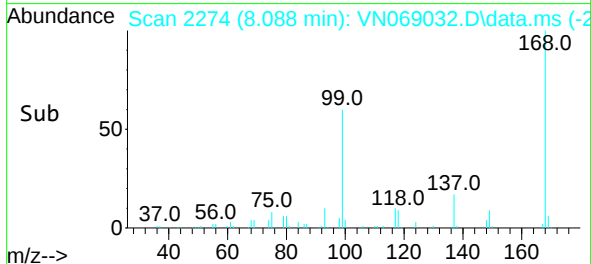


#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

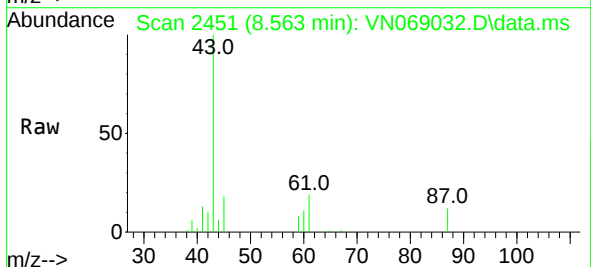
Instrument :
MSVOA_N
ClientSampled :



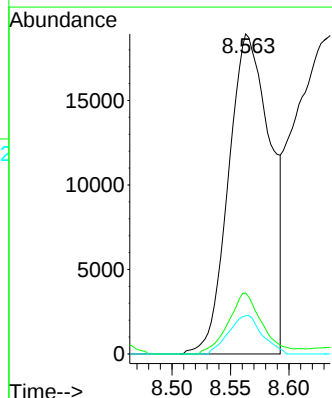
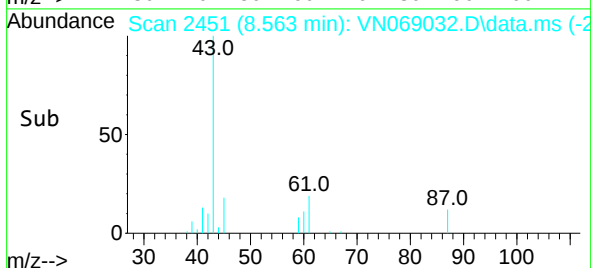
Tgt Ion:117 Resp: 33101
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#

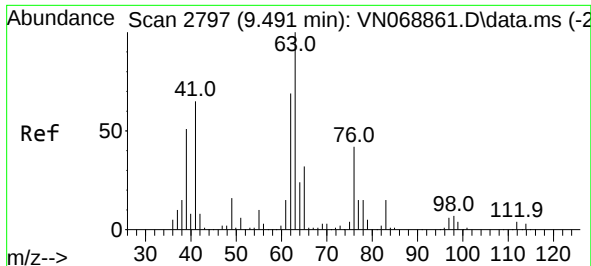


#43
Isopropyl Acetate
Concen: 5.326 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49



Tgt Ion: 43 Resp: 47010
Ion Ratio Lower Upper
43 100
61 15.5 20.4 30.6#
87 9.6 10.7 16.1#



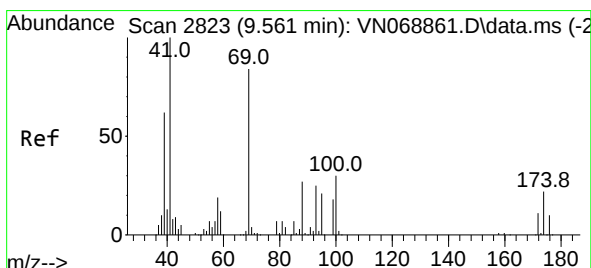
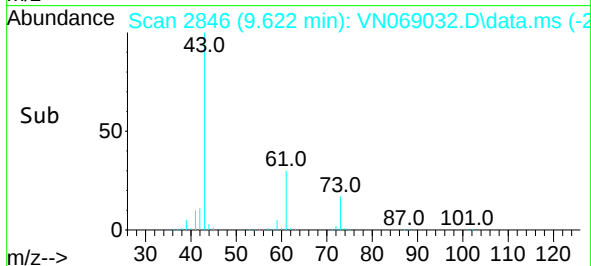
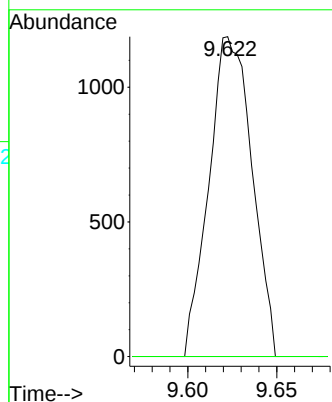
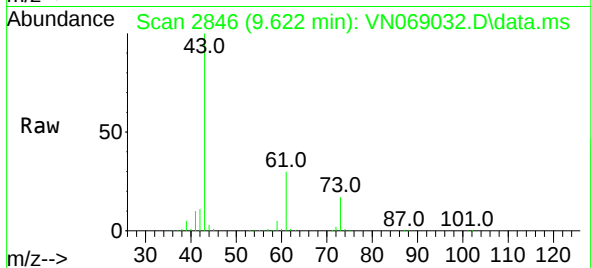


#45

1,2-Dichloropropane
Concen: 0.523 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Instrument :
MSVOA_N
ClientSampled :

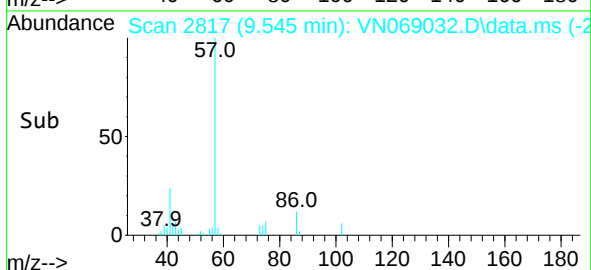
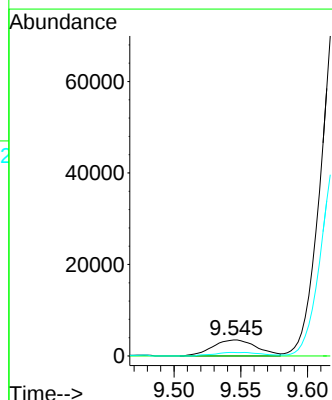
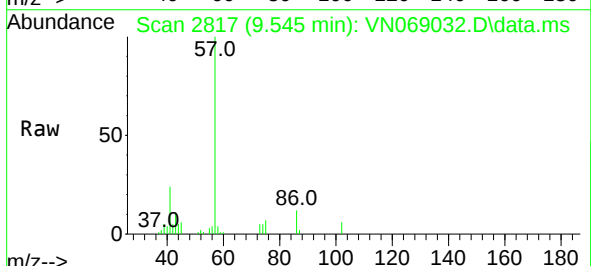
Tgt Ion: 63 Resp: 2000
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

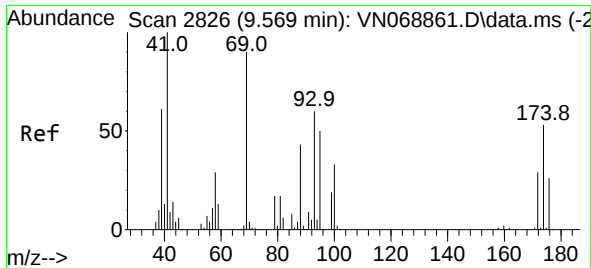


#48

Methyl methacrylate
Concen: 1.939 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Tgt Ion: 41 Resp: 8042
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: 36.994 ug/l

RT: 9.614 min Scan# 2843

Delta R.T. 0.045 min

Lab File: VN069032.D

Acq: 19 Oct 2021 17:49

Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

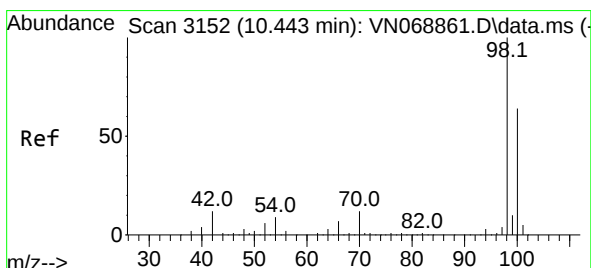
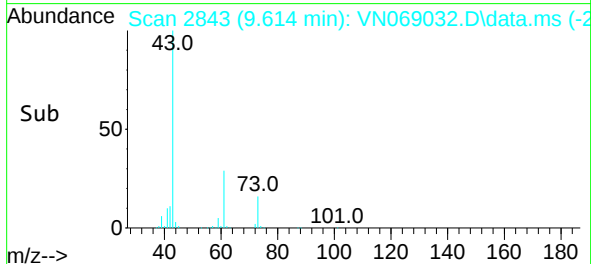
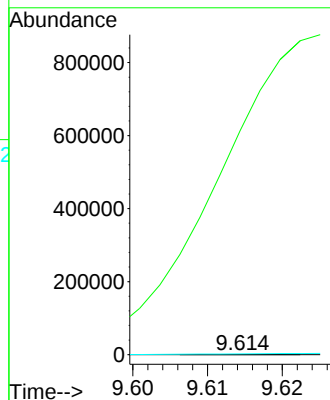
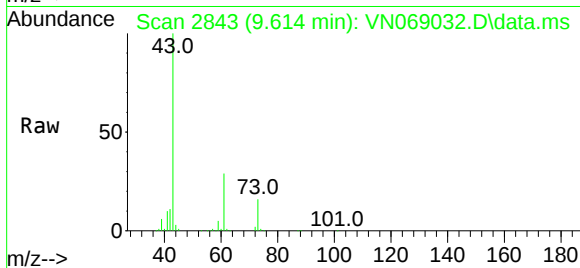
43 1483708.8 24.9 37.3#

58 5861.4 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 53.899 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069032.D

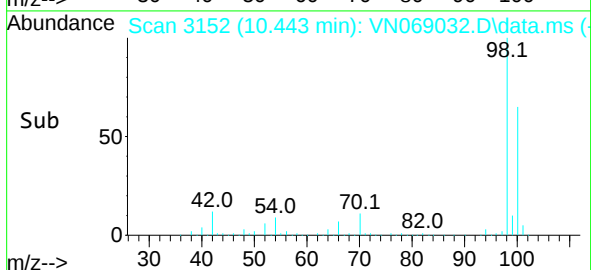
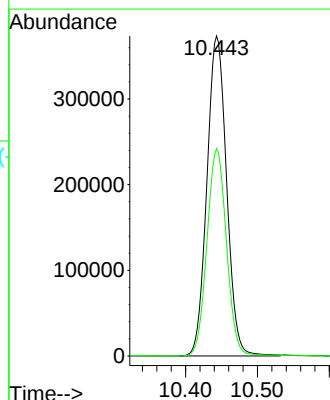
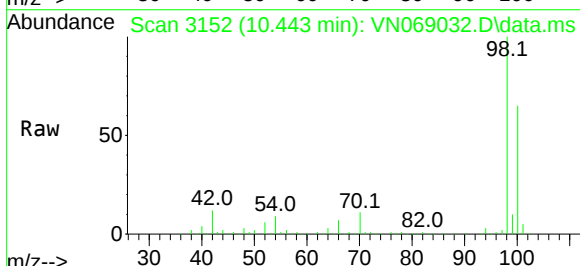
Acq: 19 Oct 2021 17:49

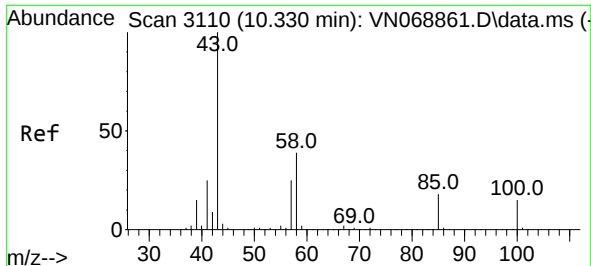
Tgt Ion: 98 Resp: 711473

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3

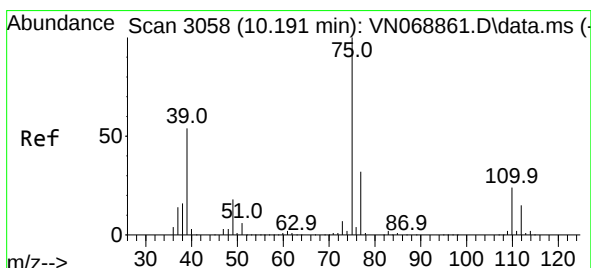
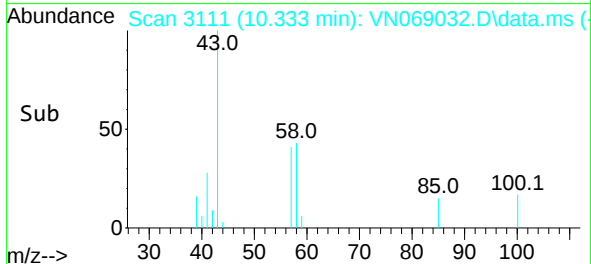
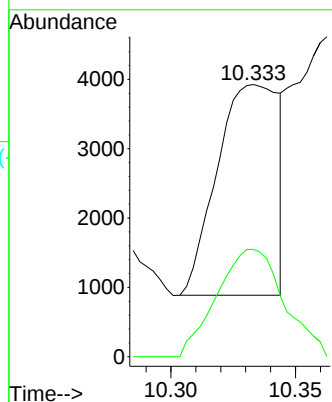
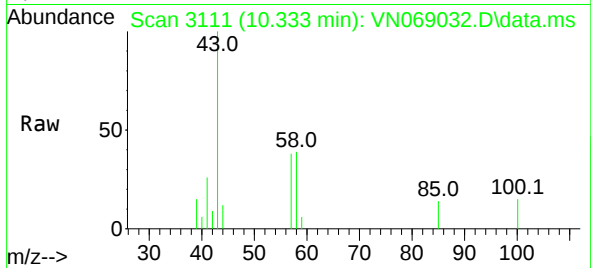




#51
4-Methyl-2-Pentanone
Concen: 1.015 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

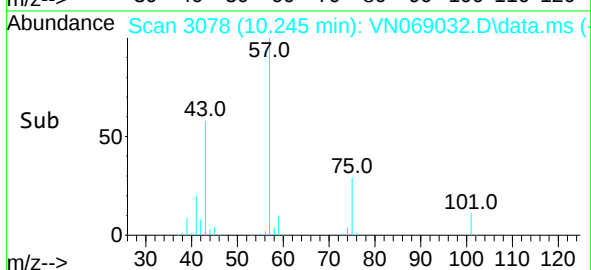
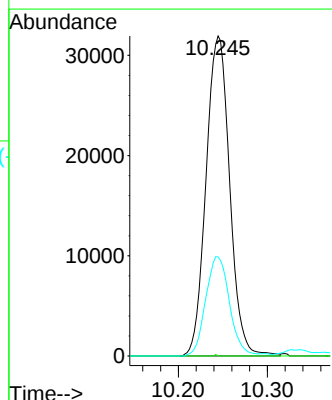
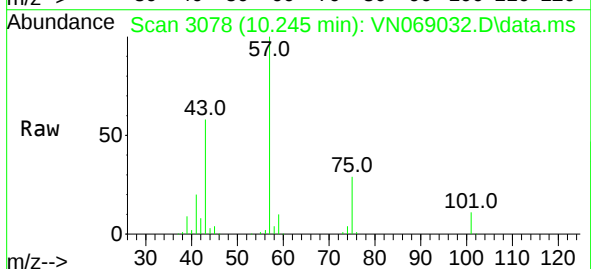
Instrument :
MSVOA_N
ClientSampled :

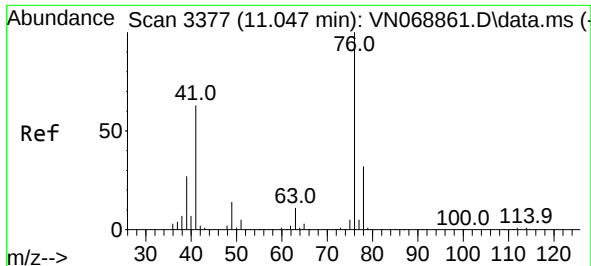
Tgt Ion: 43 Resp: 5192
Ion Ratio Lower Upper
43 100
58 55.8 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.232 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Tgt Ion: 75 Resp: 58901
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 31.0 42.9 64.3#

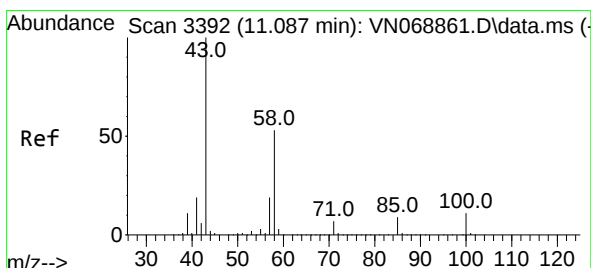
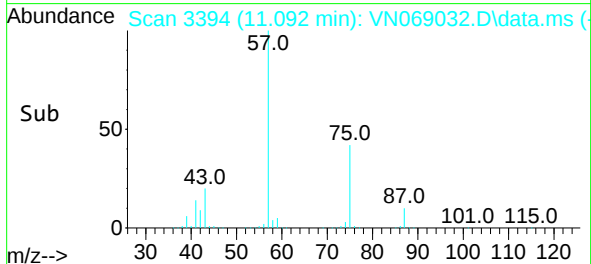
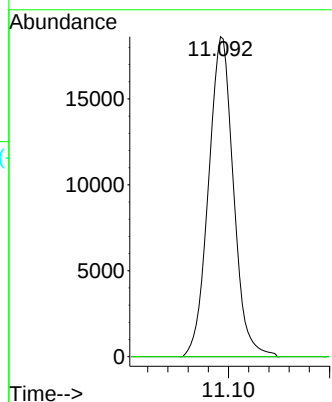
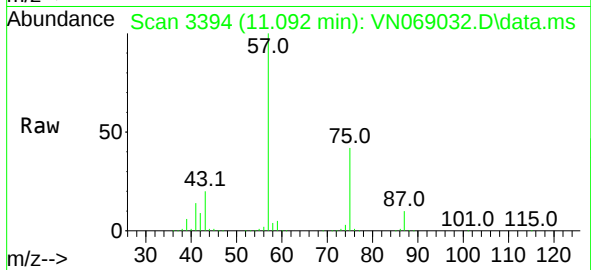




#57
1,3-Dichloropropane
Concen: 5.176 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

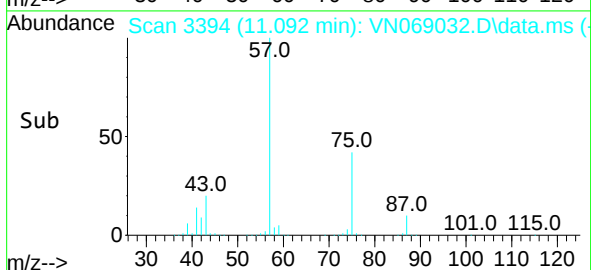
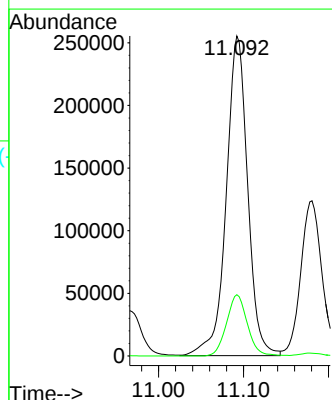
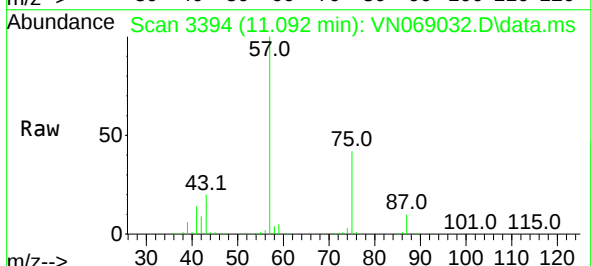
Instrument :
MSVOA_N
ClientSampled :

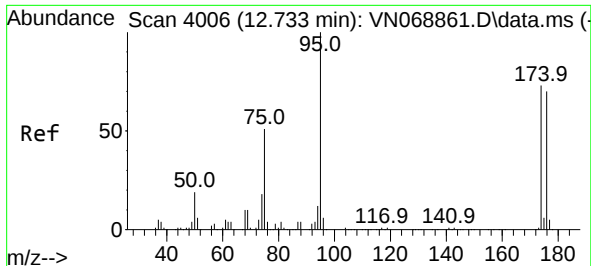
Tgt Ion: 76 Resp: 31930
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 121.944 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Tgt Ion: 43 Resp: 447533
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#

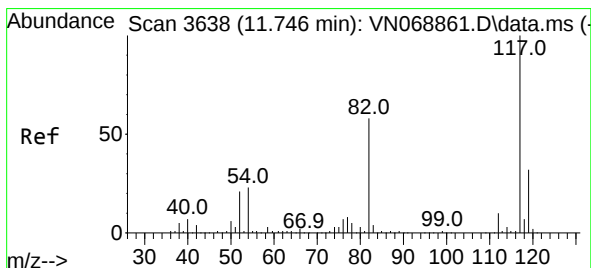
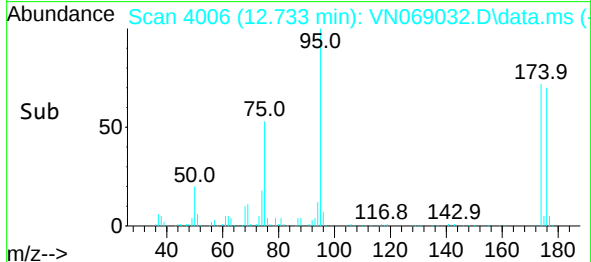
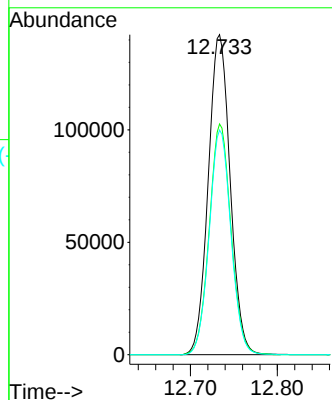
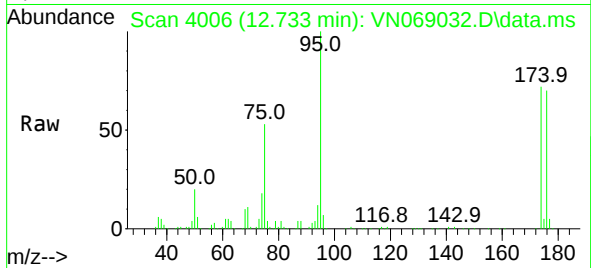




#62
4-Bromofluorobenzene
Concen: 50.087 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

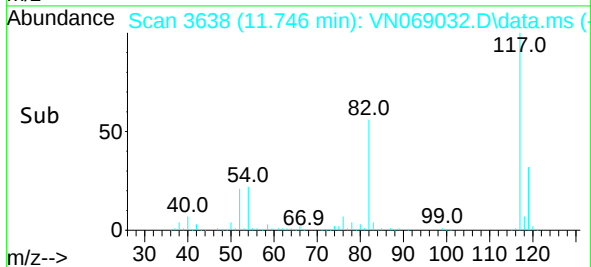
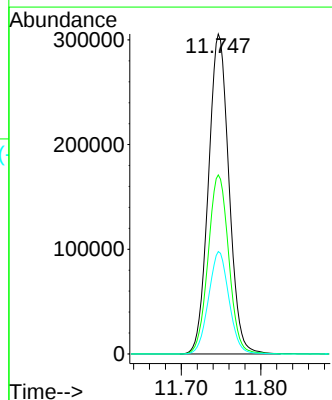
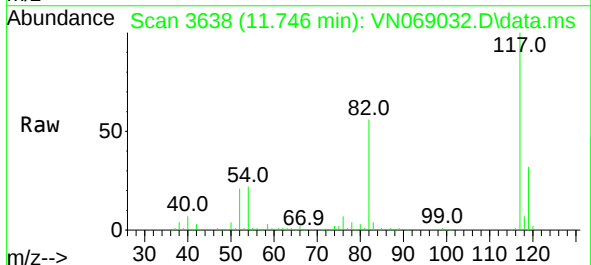
Instrument :
MSVOA_N
ClientSampled :

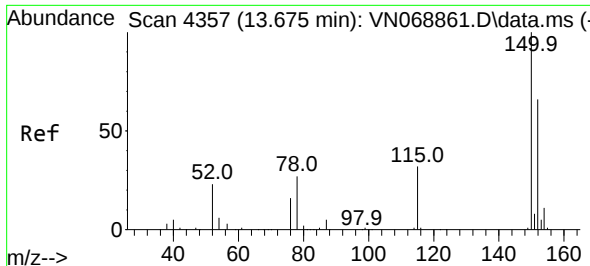
Tgt Ion: 95 Resp: 249442
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.8
176 69.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Tgt Ion: 117 Resp: 548007
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.0 26.0 39.0

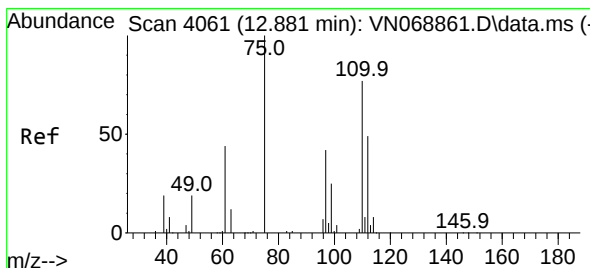
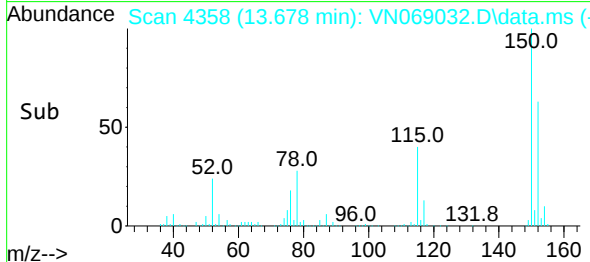
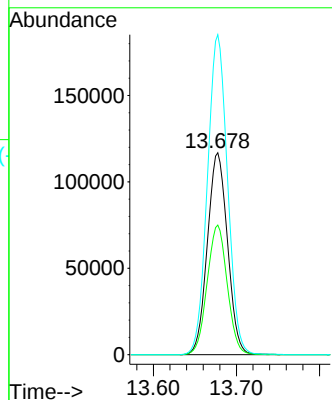
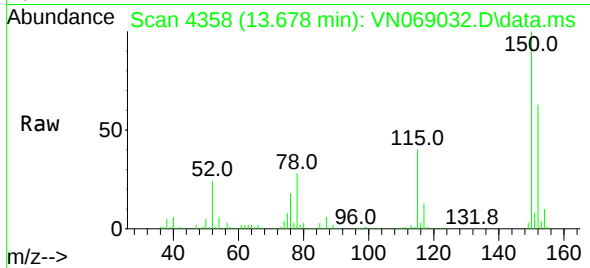




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069032.D
 Acq: 19 Oct 2021 17:49

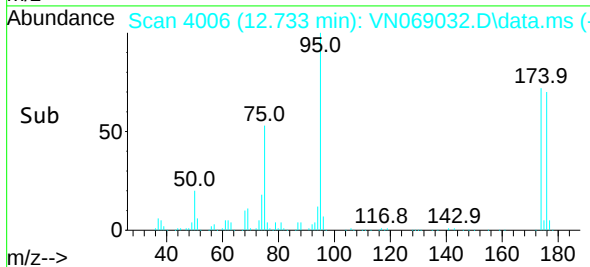
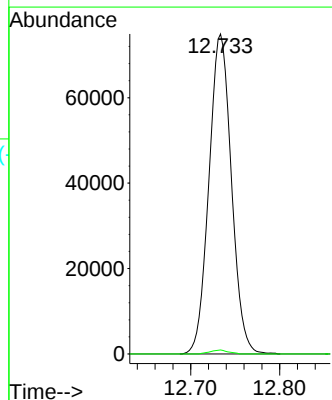
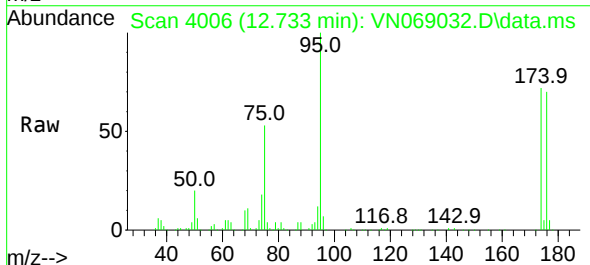
Instrument :
 MSVOA_N
 ClientSampled :

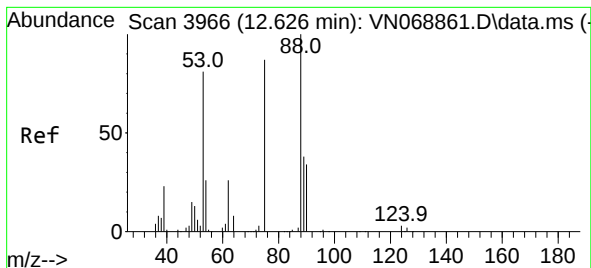
Tgt Ion:152 Resp: 196483
 Ion Ratio Lower Upper
 152 100
 115 64.0 31.4 94.3
 150 158.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 31.413 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069032.D
 Acq: 19 Oct 2021 17:49

Tgt Ion: 75 Resp: 131326
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

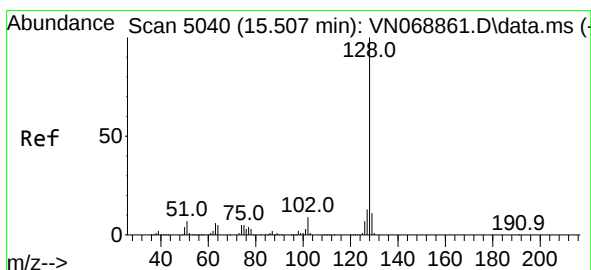
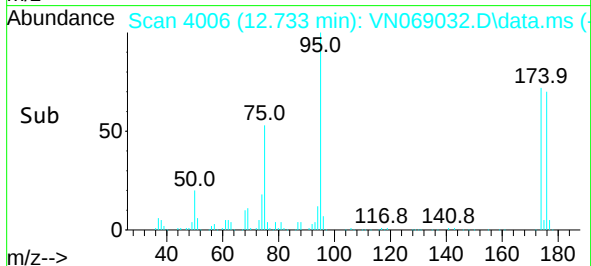
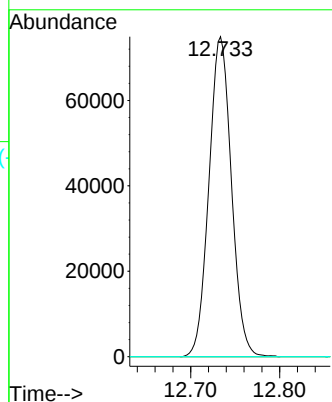
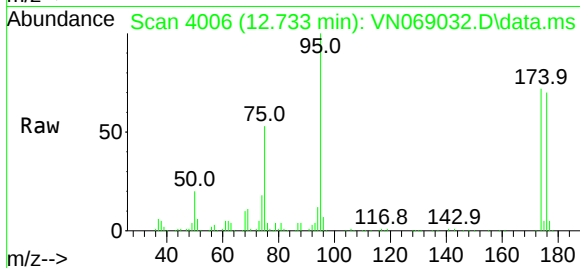




#81
trans-1,4-Dichloro-2-butene
Concen: 75.154 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 131326
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.876 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069032.D
Acq: 19 Oct 2021 17:49

Tgt Ion:128 Resp: 633
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

