

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069067.D
 Acq On : 20 Oct 2021 17:27
 Operator : JC/MD
 Sample : M4252-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:15:23 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

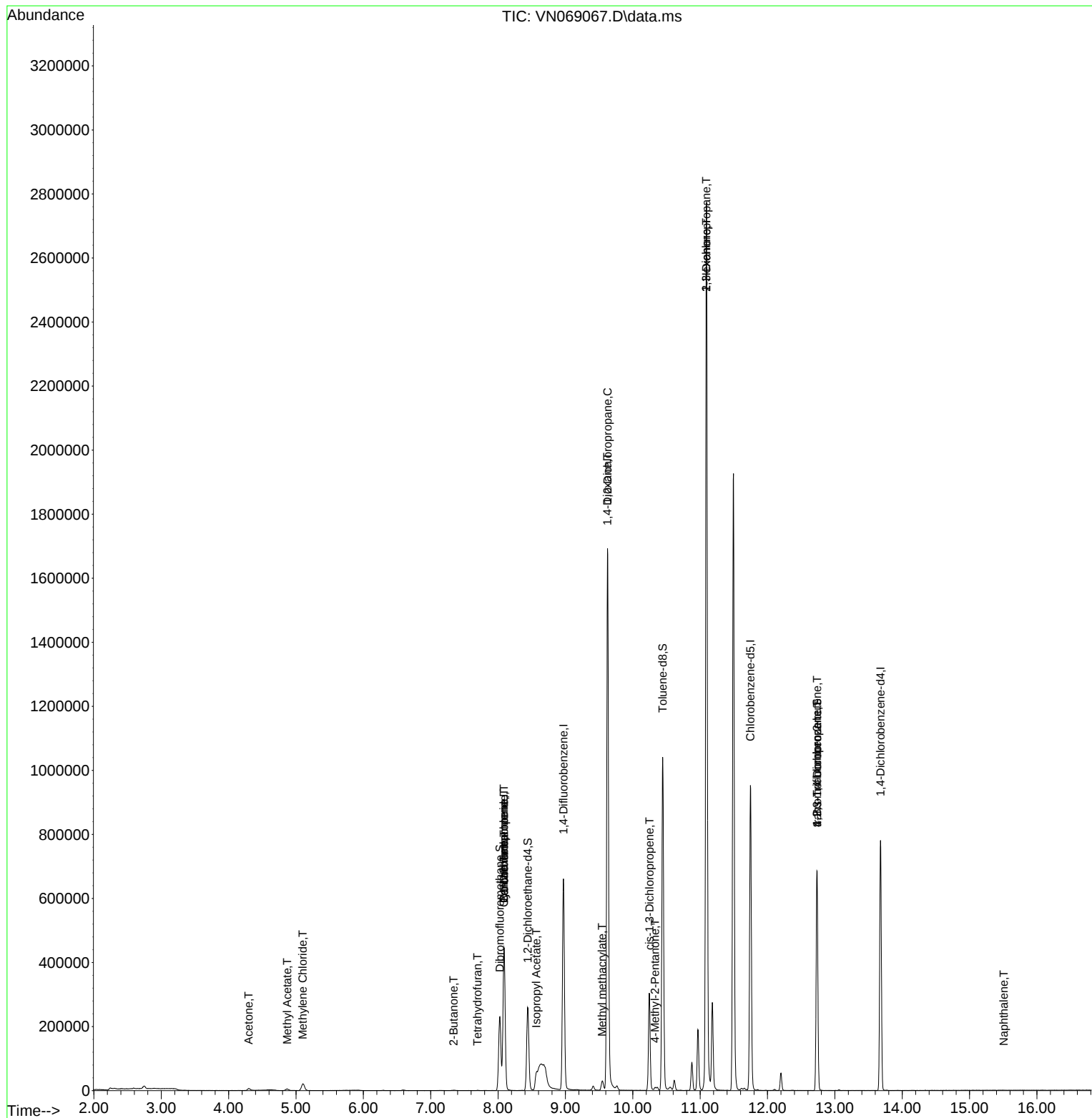
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	335184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	587097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	560532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	219399	49.646	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.300%
35) Dibromofluoromethane	8.027	113	172804	50.590	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.180%
50) Toluene-d8	10.443	98	731474	53.521	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.040%
62) 4-Bromofluorobenzene	12.736	95	252455	48.959	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.920%
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	11685	7.085	ug/l	97
18) Methyl Acetate	4.870	43	10623	1.698	ug/l	95
20) Methylene Chloride	5.098	84	18040	4.753	ug/l	93
25) 2-Butanone	7.340	43	2570	1.031	ug/l	97
29) Tetrahydrofuran	7.694	42	778	0.481	ug/l #	35
31) Cyclohexane	8.086	56	7788	1.133	ug/l #	7
36) 1,1-Dichloropropene	8.088	75	27017	5.388	ug/l #	50
38) Carbon Tetrachloride	8.088	117	34426	6.251	ug/l #	15
43) Isopropyl Acetate	8.568	43	62748	6.867	ug/l #	78
45) 1,2-Dichloropropane	9.625	63	2050	0.517	ug/l #	43
48) Methyl methacrylate	9.545	41	8007	1.865	ug/l #	13
49) 1,4-Dioxane	9.622	88	119	37.005	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	5702	1.076	ug/l	98
54) cis-1,3-Dichloropropene	10.247	75	57790	8.748	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	31022	4.857	ug/l #	42
59) 2-Hexanone	11.092	43	434940	114.462	ug/l #	51
76) 1,2,3-Trichloropropane	12.736	75	132943	29.679	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	132943	71.005	ug/l #	12
95) Naphthalene	15.507	128	323	3.842	ug/l #	69

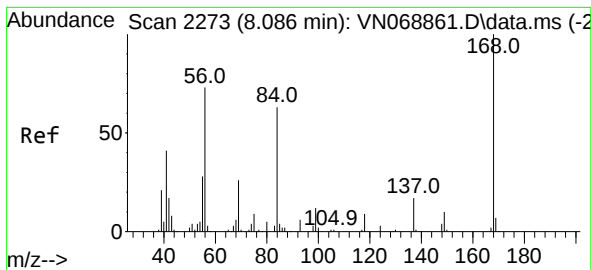
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN069067.D

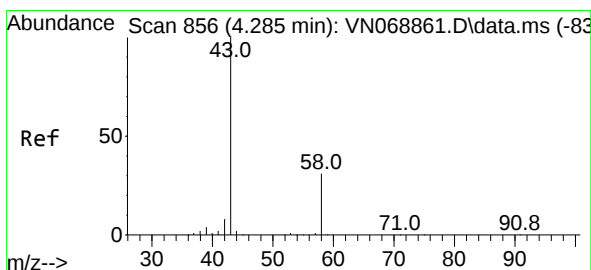
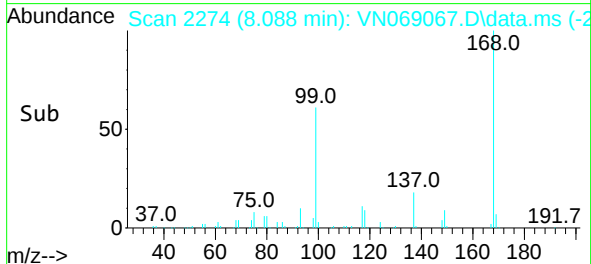
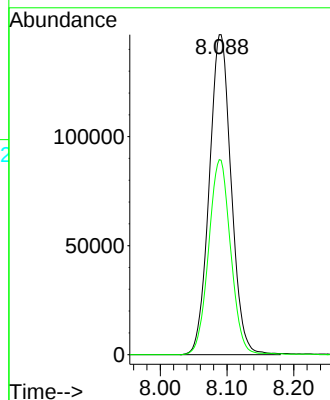
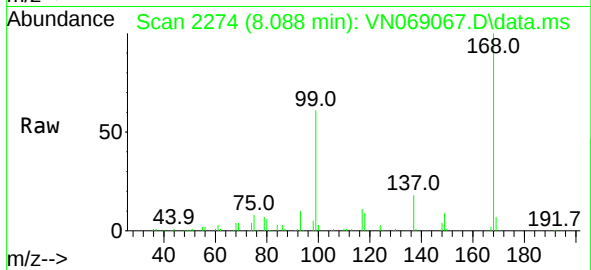
Acq: 20 Oct 2021 17:27

Tgt Ion:168 Resp: 335184

Ion Ratio Lower Upper

168 100

99 61.0 48.9 73.3



#16

Acetone

Concen: 7.085 ug/l

RT: 4.296 min Scan# 860

Delta R.T. 0.011 min

Lab File: VN069067.D

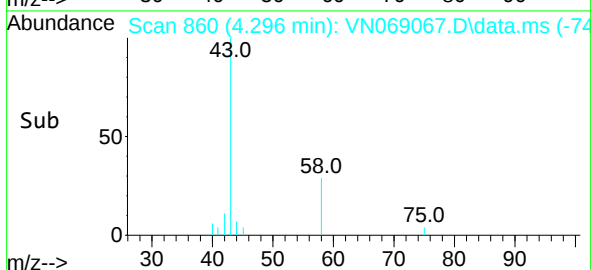
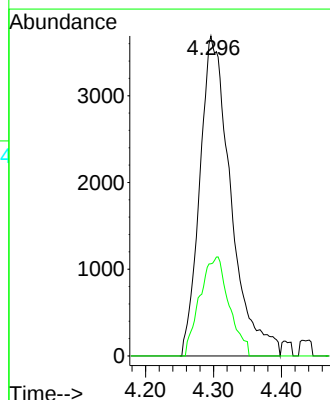
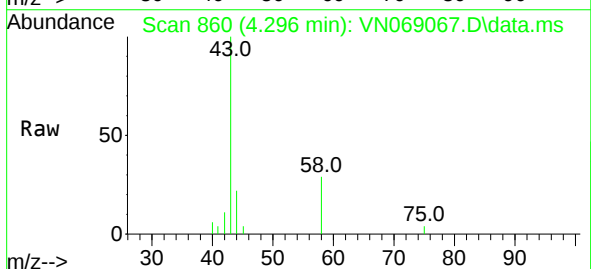
Acq: 20 Oct 2021 17:27

Tgt Ion: 43 Resp: 11685

Ion Ratio Lower Upper

43 100

58 28.8 24.5 36.7

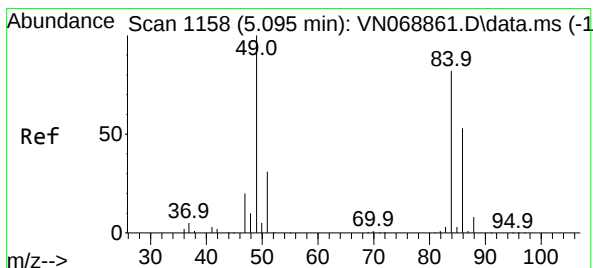
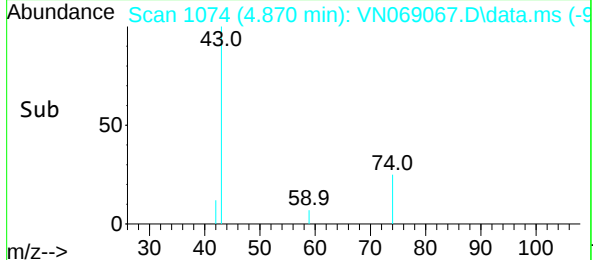
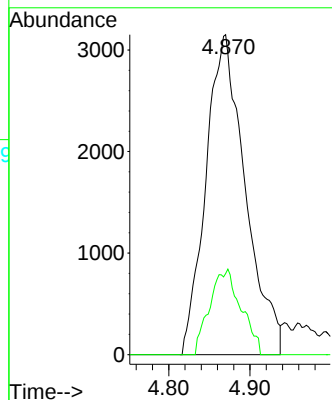
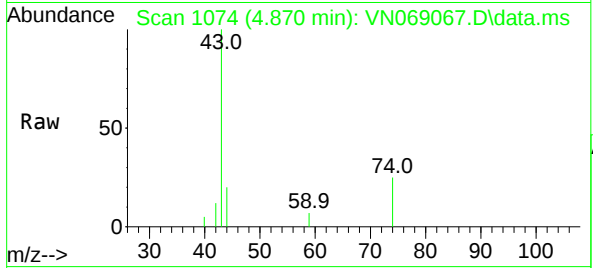




#18
Methyl Acetate
Concen: 1.698 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

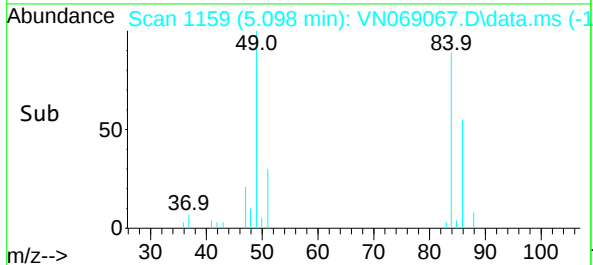
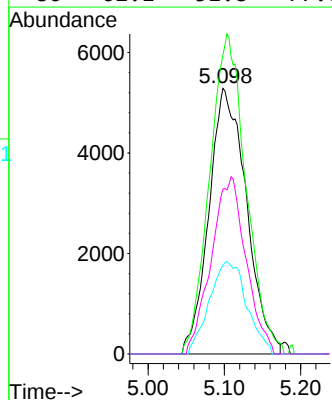
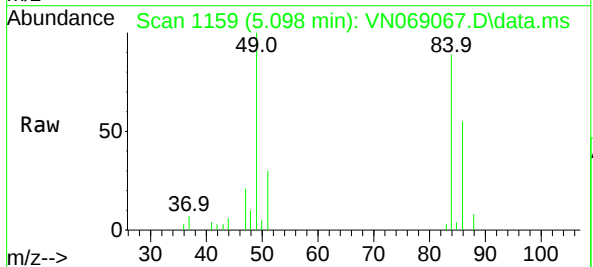
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 10623
Ion Ratio Lower Upper
43 100
74 21.3 18.9 28.3



#20
Methylene Chloride
Concen: 4.753 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 84 Resp: 18040
Ion Ratio Lower Upper
84 100
49 112.4 97.6 146.4
51 33.4 30.3 45.5
86 62.1 51.8 77.6

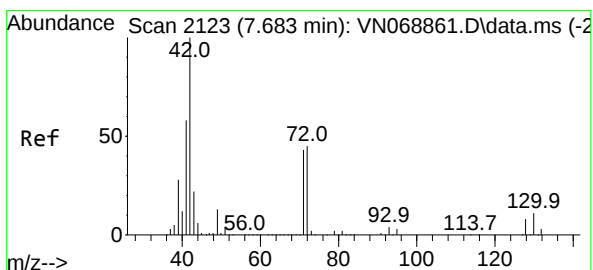
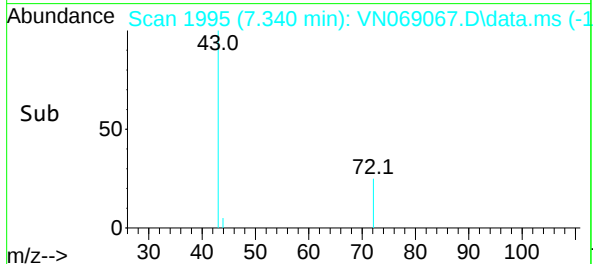
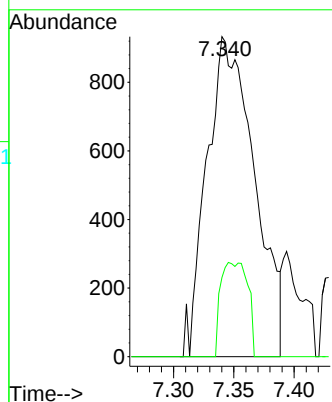
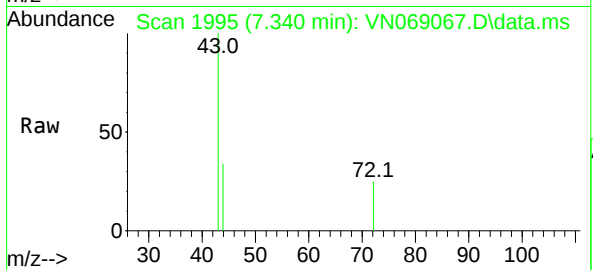




#25
2-Butanone
Concen: 1.031 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

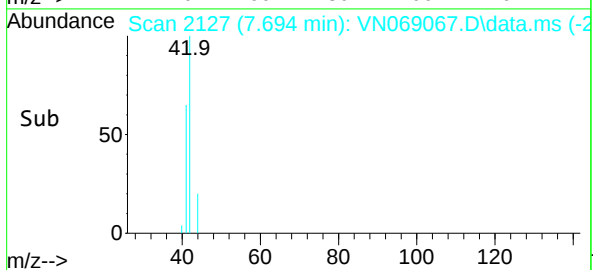
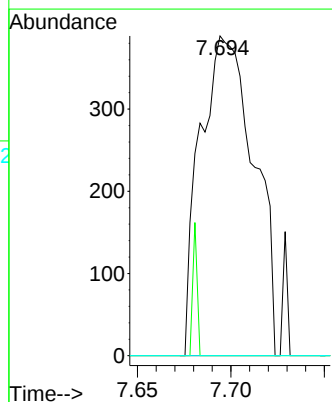
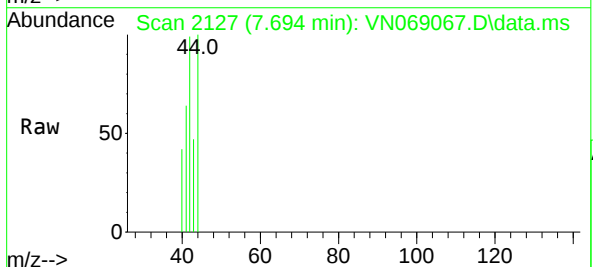
Instrument :
MSVOA_N
ClientSampled :

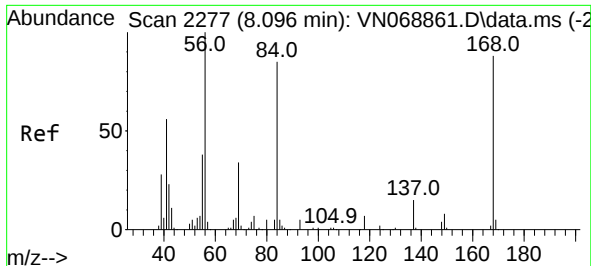
Tgt Ion: 43 Resp: 2570
Ion Ratio Lower Upper
43 100
72 24.8 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.481 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 42 Resp: 778
Ion Ratio Lower Upper
42 100
72 3.3 35.4 53.2#
71 0.0 33.8 50.6#

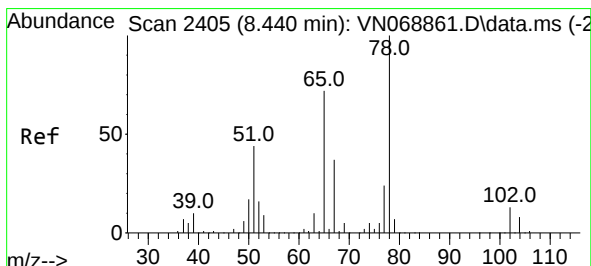
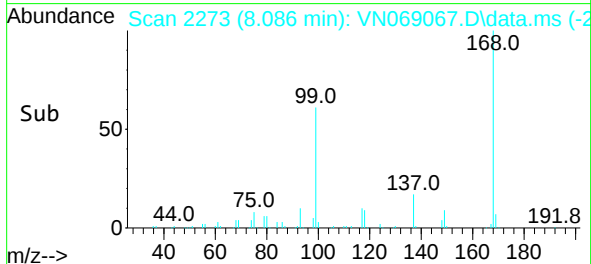
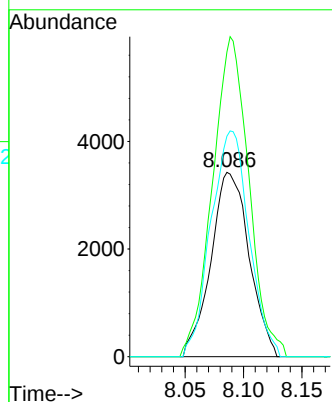
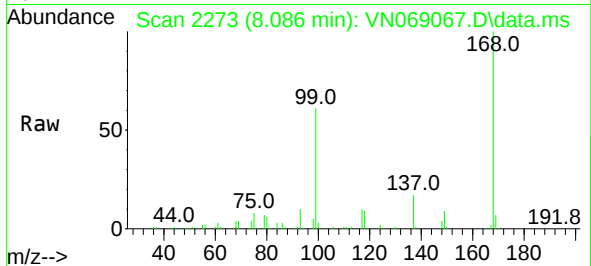




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

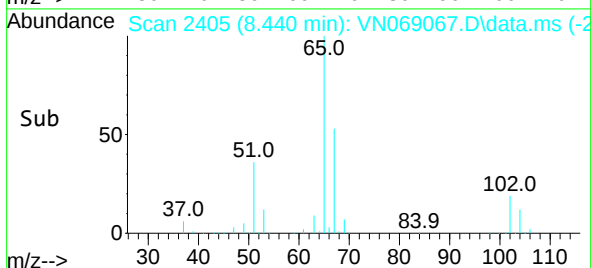
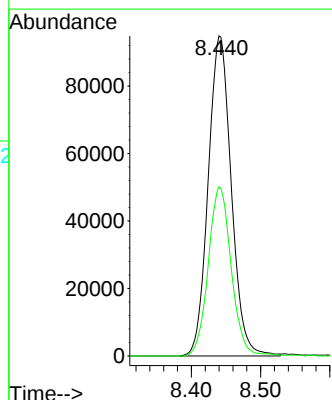
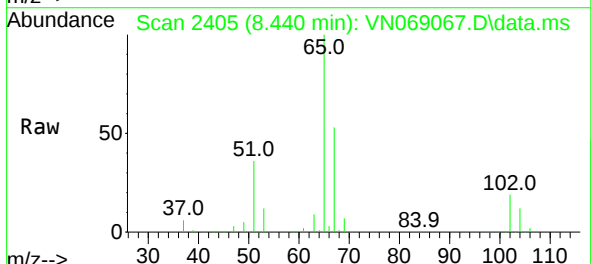
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 7788
Ion Ratio Lower Upper
56 100
69 165.3 26.9 40.3#
84 119.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.646 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 65 Resp: 219399
Ion Ratio Lower Upper
65 100
67 52.2 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: VN069067.D

Acq: 20 Oct 2021 17:27

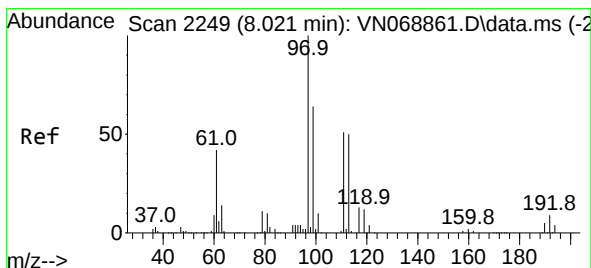
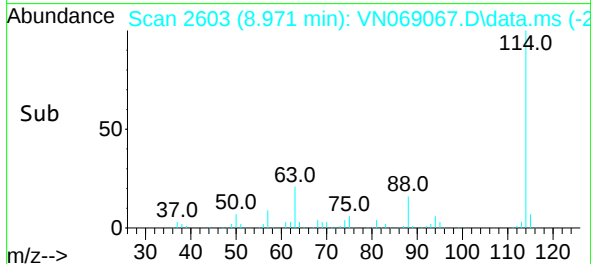
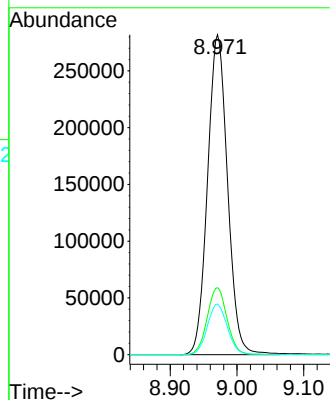
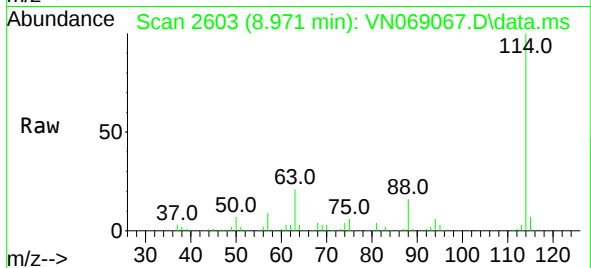
Tgt Ion:114 Resp: 587097

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 15.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.590 ug/l

RT: 8.027 min Scan# 2251

Delta R.T. 0.005 min

Lab File: VN069067.D

Acq: 20 Oct 2021 17:27

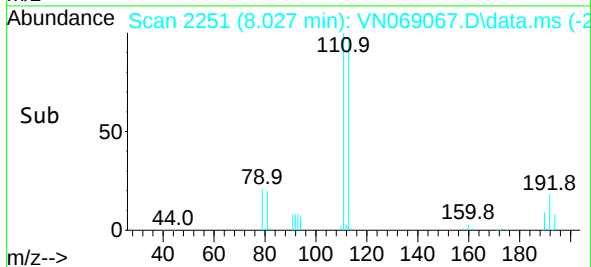
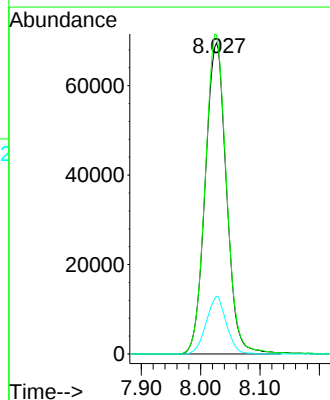
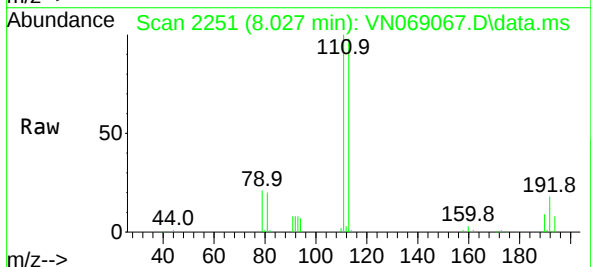
Tgt Ion:113 Resp: 172804

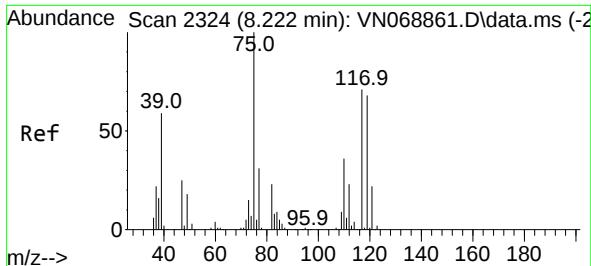
Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

192 17.5 15.0 22.4

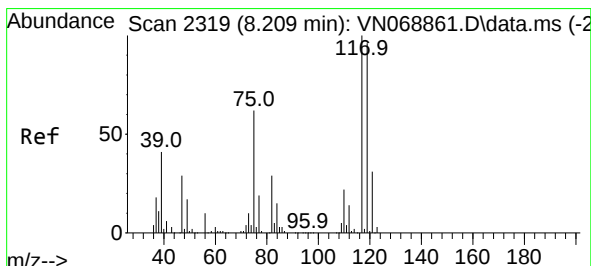
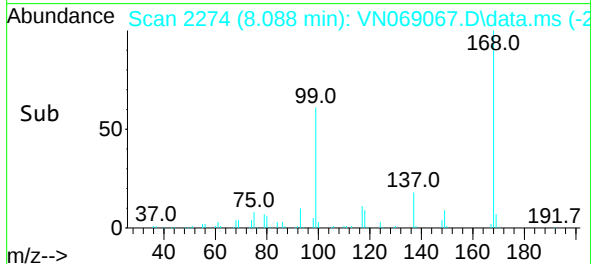
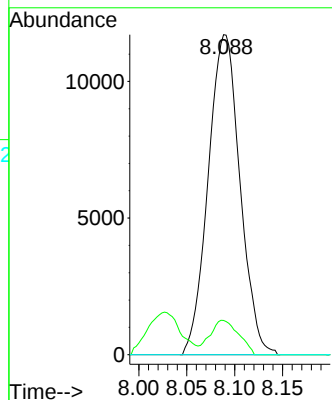
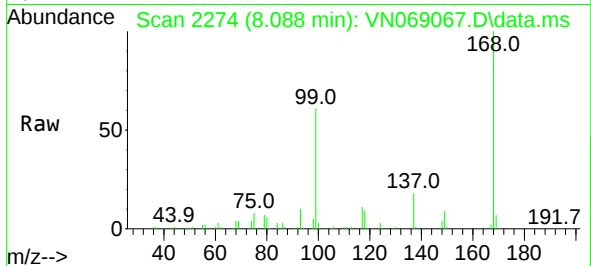




#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

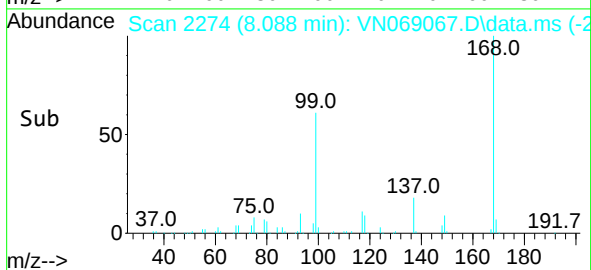
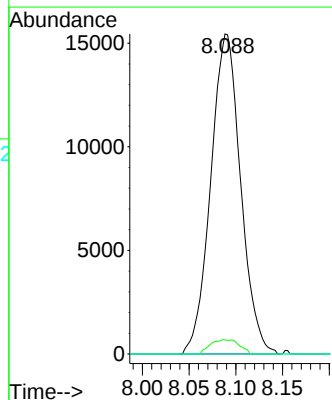
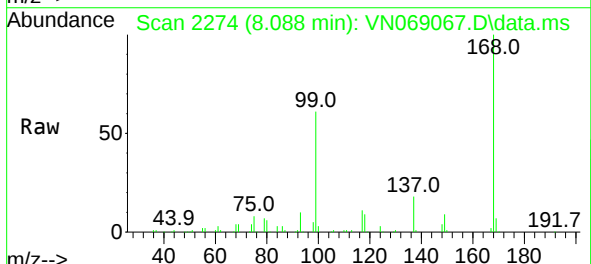
Instrument :
MSVOA_N
ClientSampled :

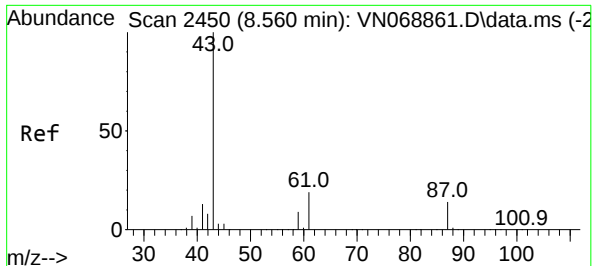
Tgt Ion: 75 Resp: 27017
Ion Ratio Lower Upper
75 100
110 9.8 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 117 Resp: 34426
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#

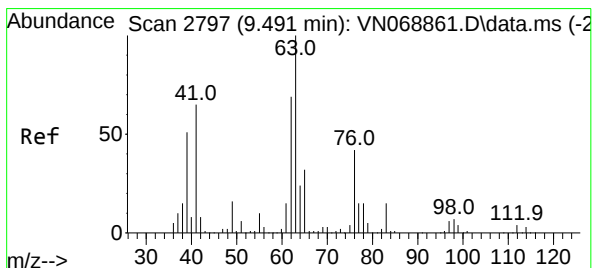
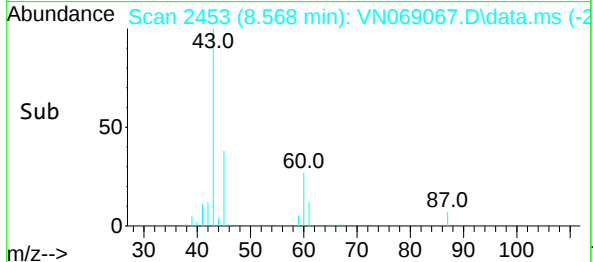
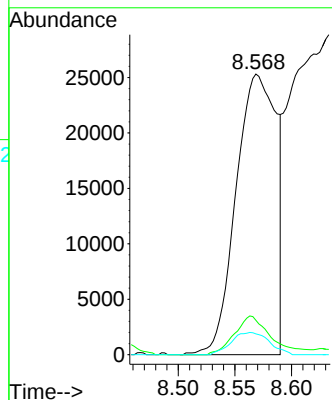
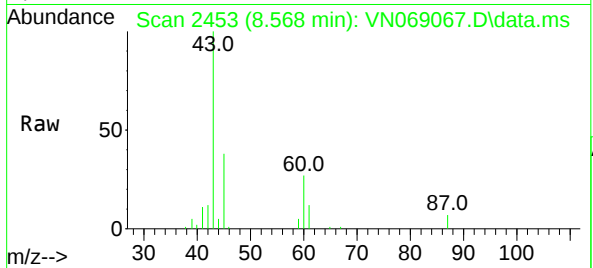




#43
Isopropyl Acetate
Concen: 6.867 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

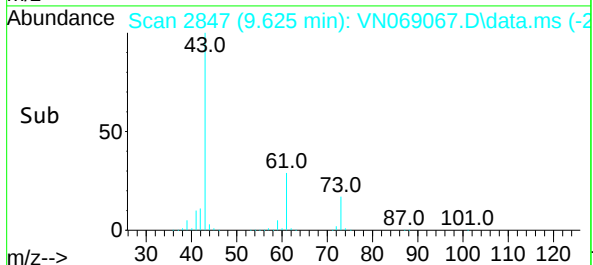
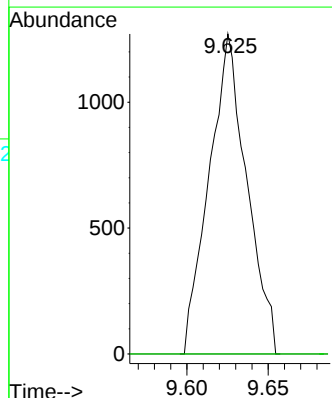
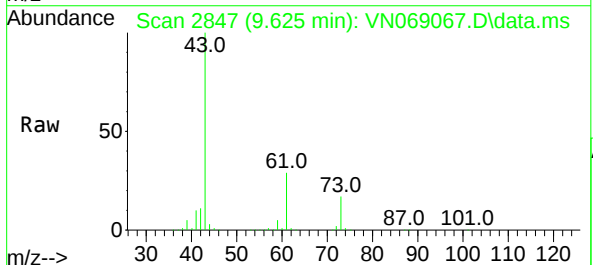
Instrument :
MSVOA_N
ClientSampled :

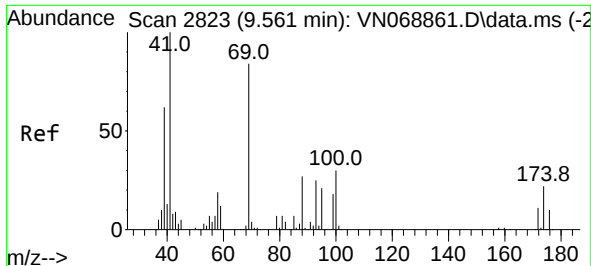
Tgt Ion: 43 Resp: 62748
Ion Ratio Lower Upper
43 100
61 12.5 20.4 30.6#
87 7.4 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.517 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 63 Resp: 2050
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

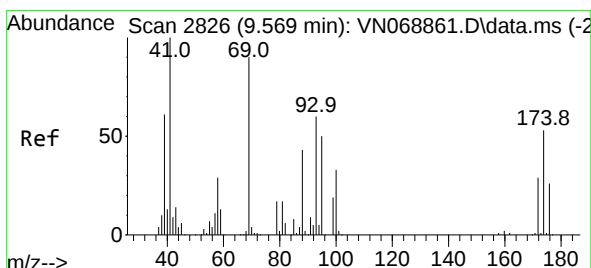
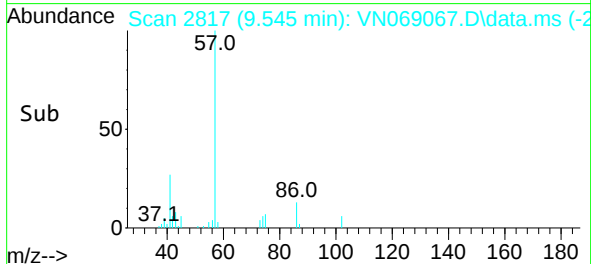
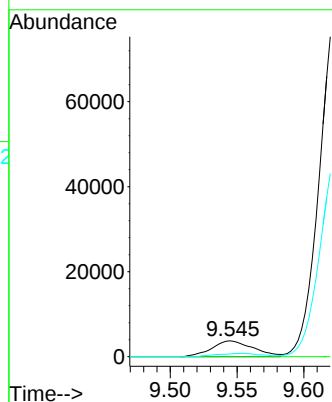
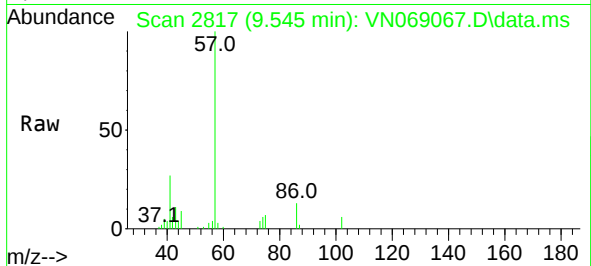




#48
Methyl methacrylate
Concen: 1.865 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

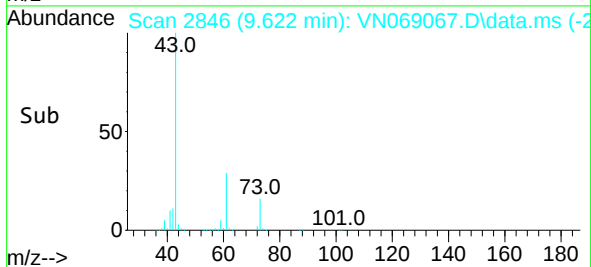
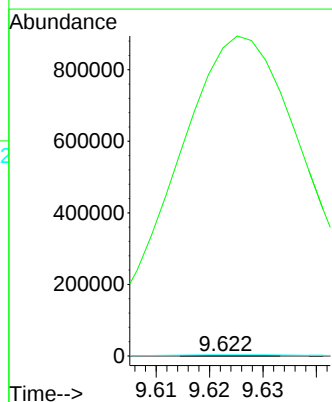
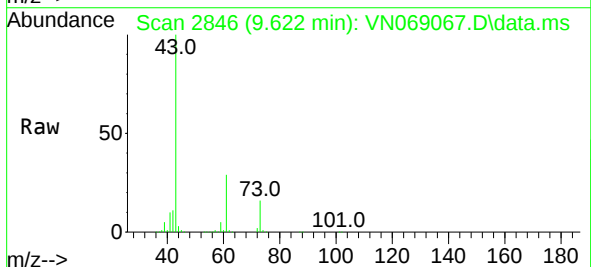
Instrument :
MSVOA_N
ClientSampleId :

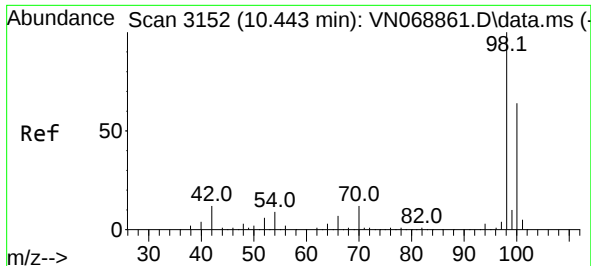
Tgt Ion: 41 Resp: 8007
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.005 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 1422831.9 24.9 37.3#
58 5583.2 56.9 85.3#

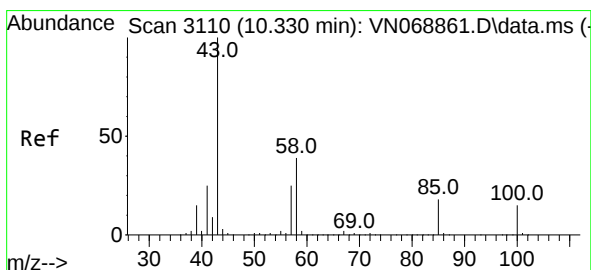
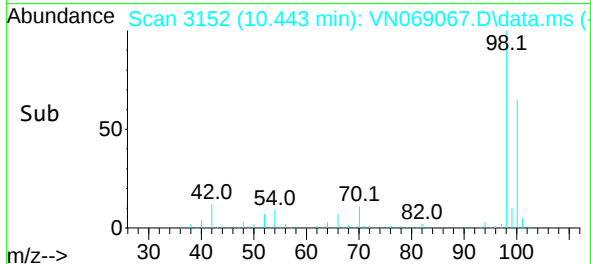
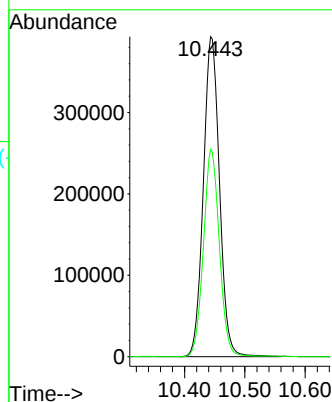
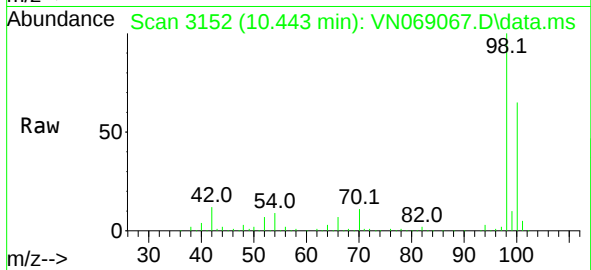




#50
Toluene-d8
Concen: 53.521 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

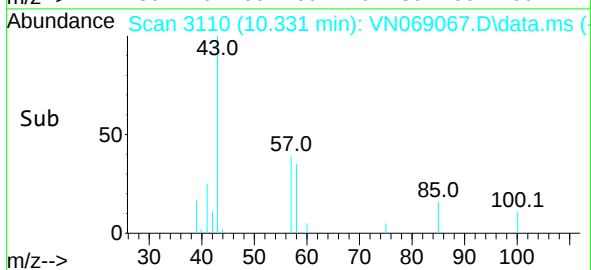
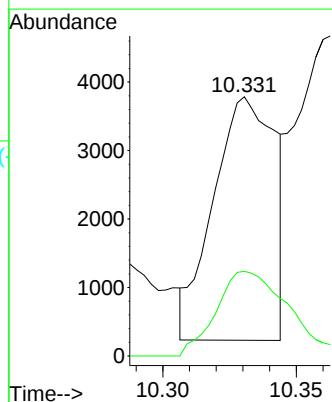
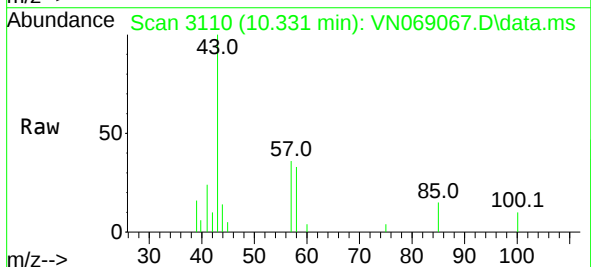
Instrument :
MSVOA_N
ClientSampled :

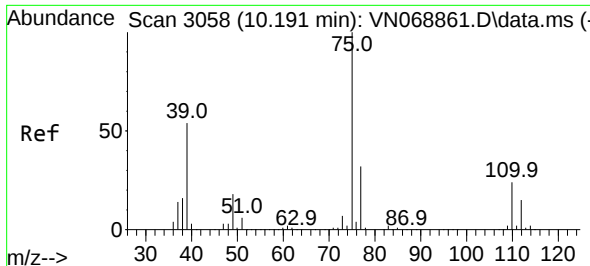
Tgt Ion: 98 Resp: 731474
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.076 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 43 Resp: 5702
Ion Ratio Lower Upper
43 100
58 40.2 31.0 46.4

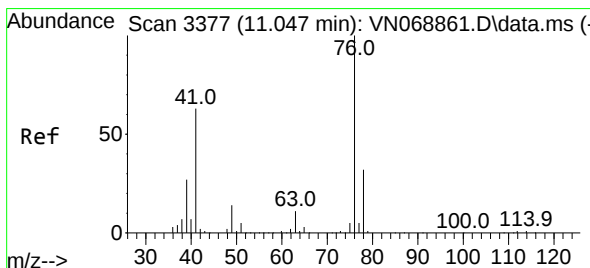
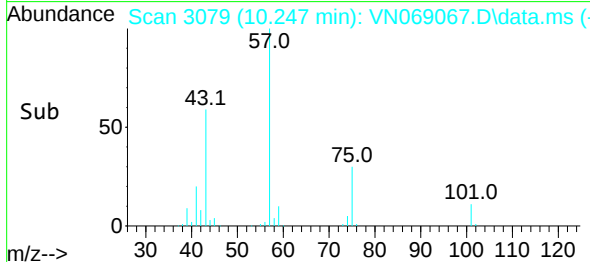
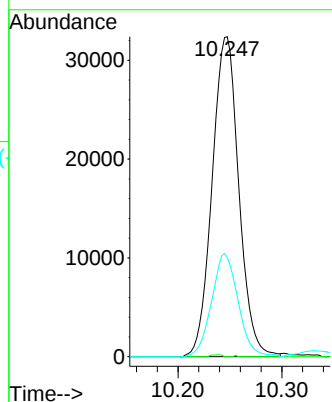
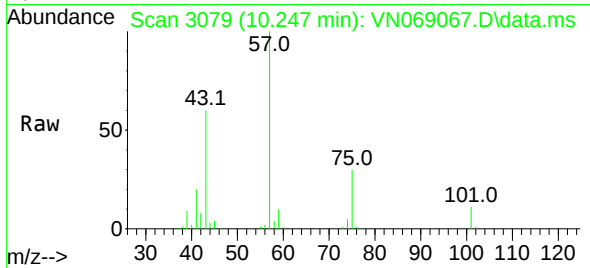




#54
 cis-1,3-Dichloropropene
 Concen: 8.748 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN069067.D
 Acq: 20 Oct 2021 17:27

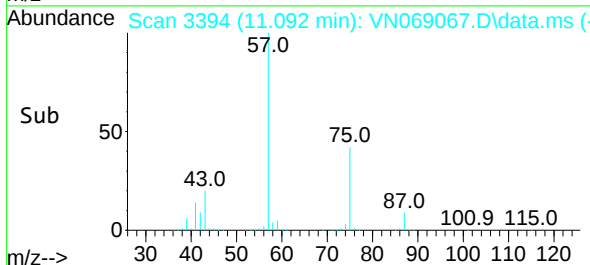
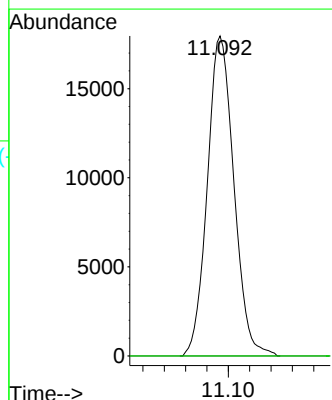
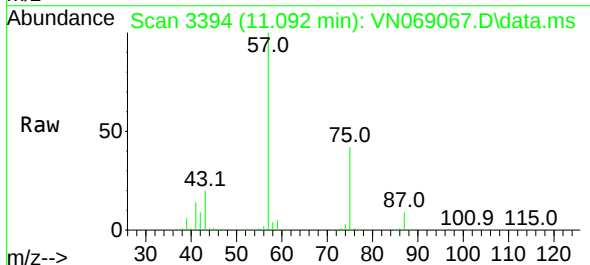
Instrument :
 MSVOA_N
 ClientSampled :

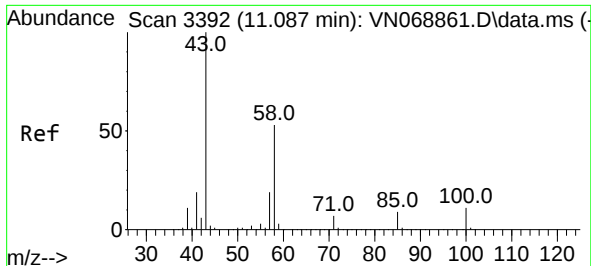
Tgt Ion: 75 Resp: 57790
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 31.1 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.857 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069067.D
 Acq: 20 Oct 2021 17:27

Tgt Ion: 76 Resp: 31022
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

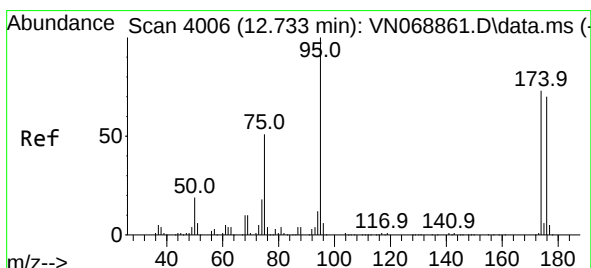
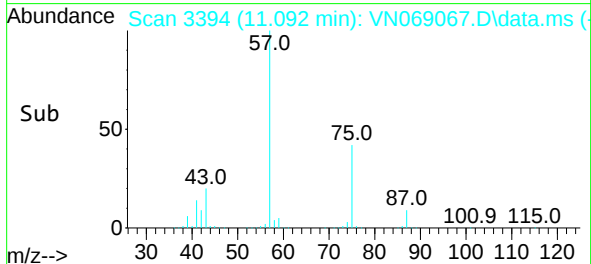
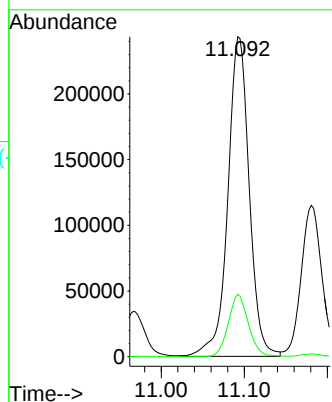
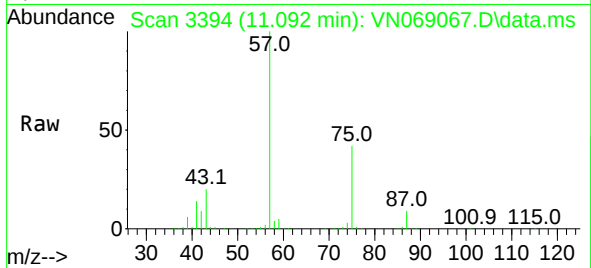




#59
2-Hexanone
Concen: 114.462 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

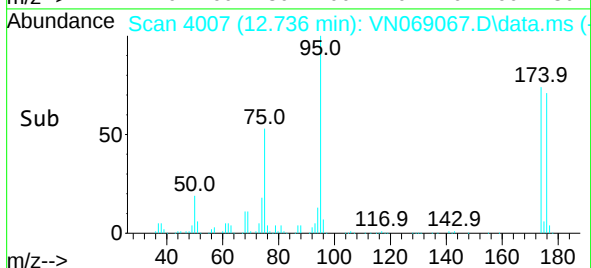
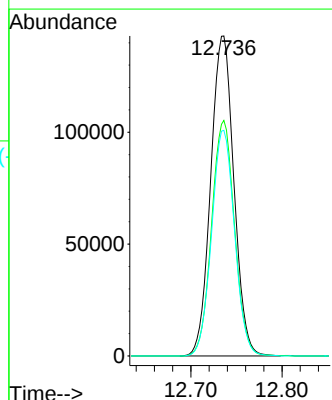
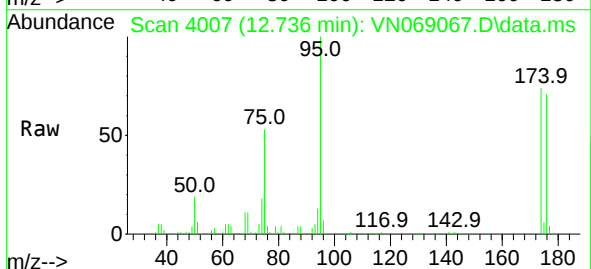
Instrument :
MSVOA_N
ClientSampled :

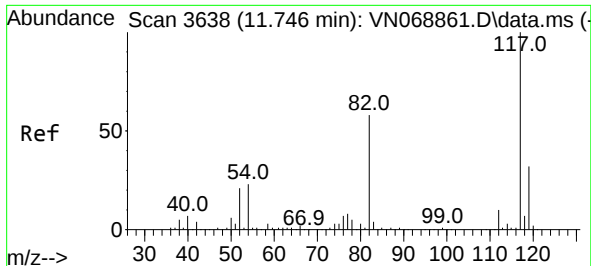
Tgt Ion: 43 Resp: 434940
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.959 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 95 Resp: 252455
Ion Ratio Lower Upper
95 100
174 73.0 0.0 144.8
176 69.9 0.0 140.0

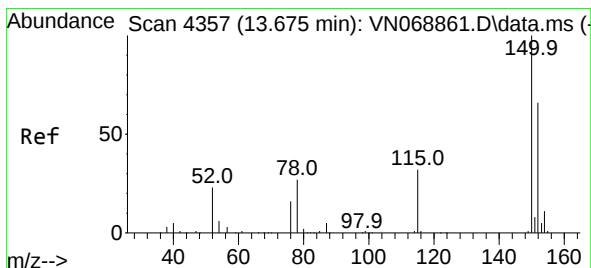
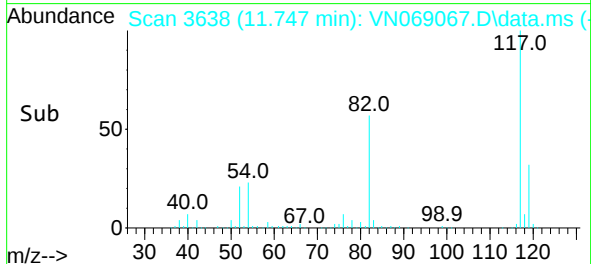
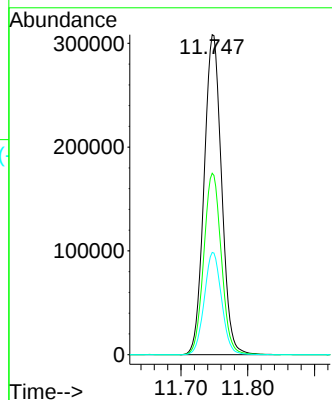
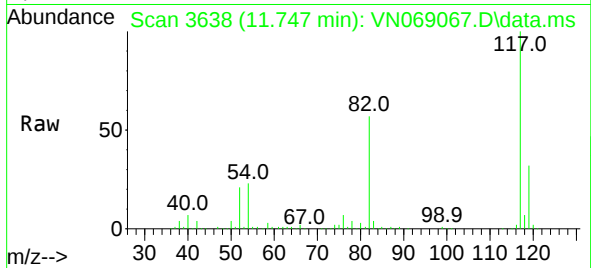




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

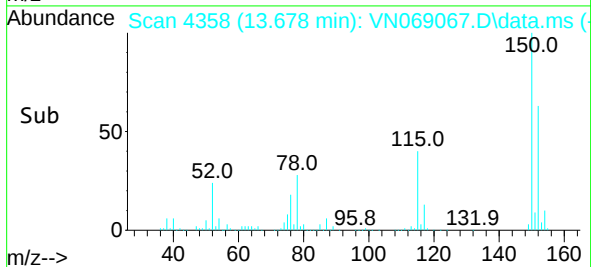
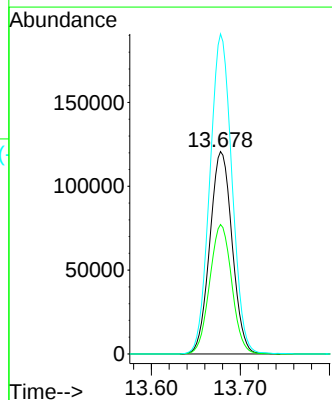
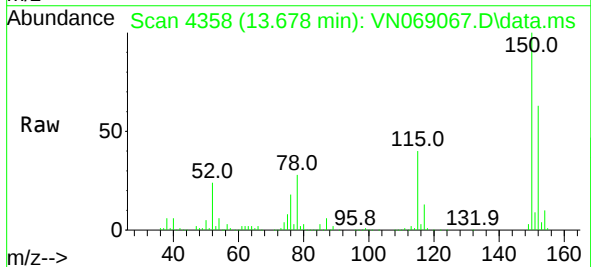
Instrument :
MSVOA_N
ClientSampleId :

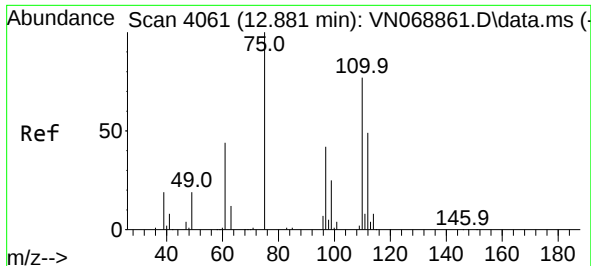
Tgt Ion:117 Resp: 560532
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Tgt Ion:152 Resp: 210525
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 156.3 0.0 351.0

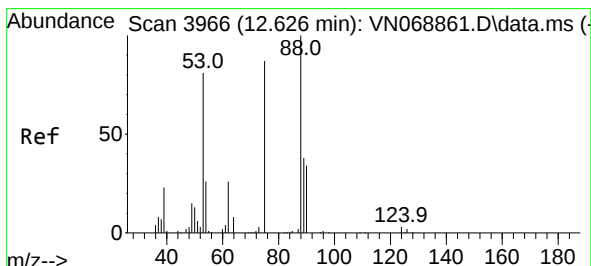
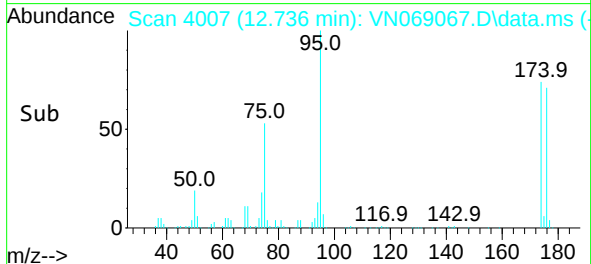
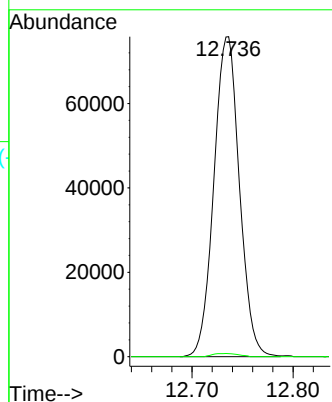
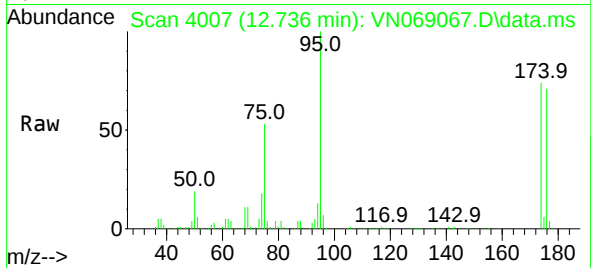




#76
1,2,3-Trichloropropane
Concen: 29.679 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

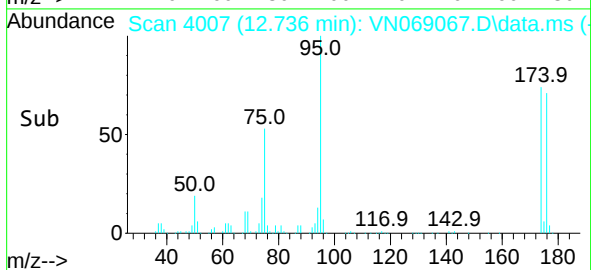
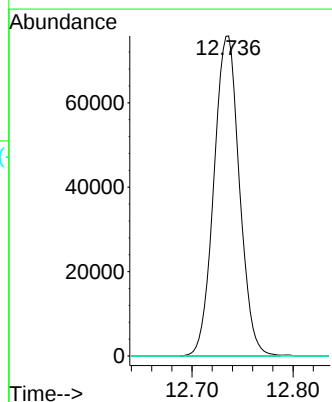
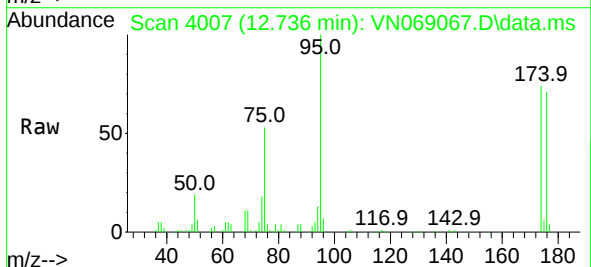
Instrument :
MSVOA_N
ClientSampled :

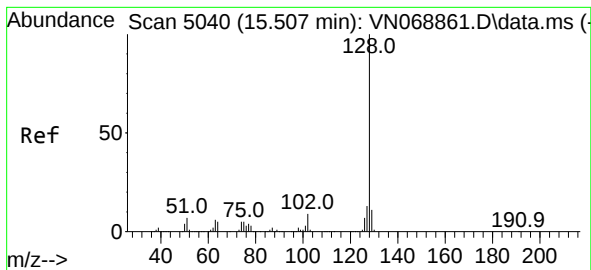
Tgt Ion: 75 Resp: 132943
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.005 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.110 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

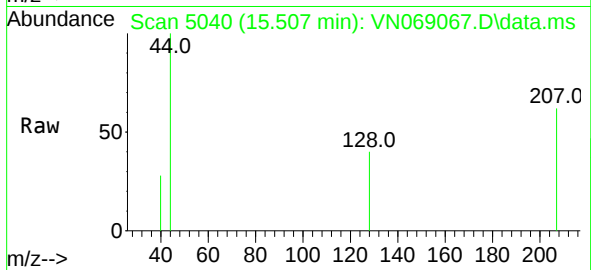
Tgt Ion: 75 Resp: 132943
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.842 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069067.D
Acq: 20 Oct 2021 17:27

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 323
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

