

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110121\
 Data File : VN069323.D
 Acq On : 1 Nov 2021 16:32
 Operator : JC/MD
 Sample : PB140370ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 17:39:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

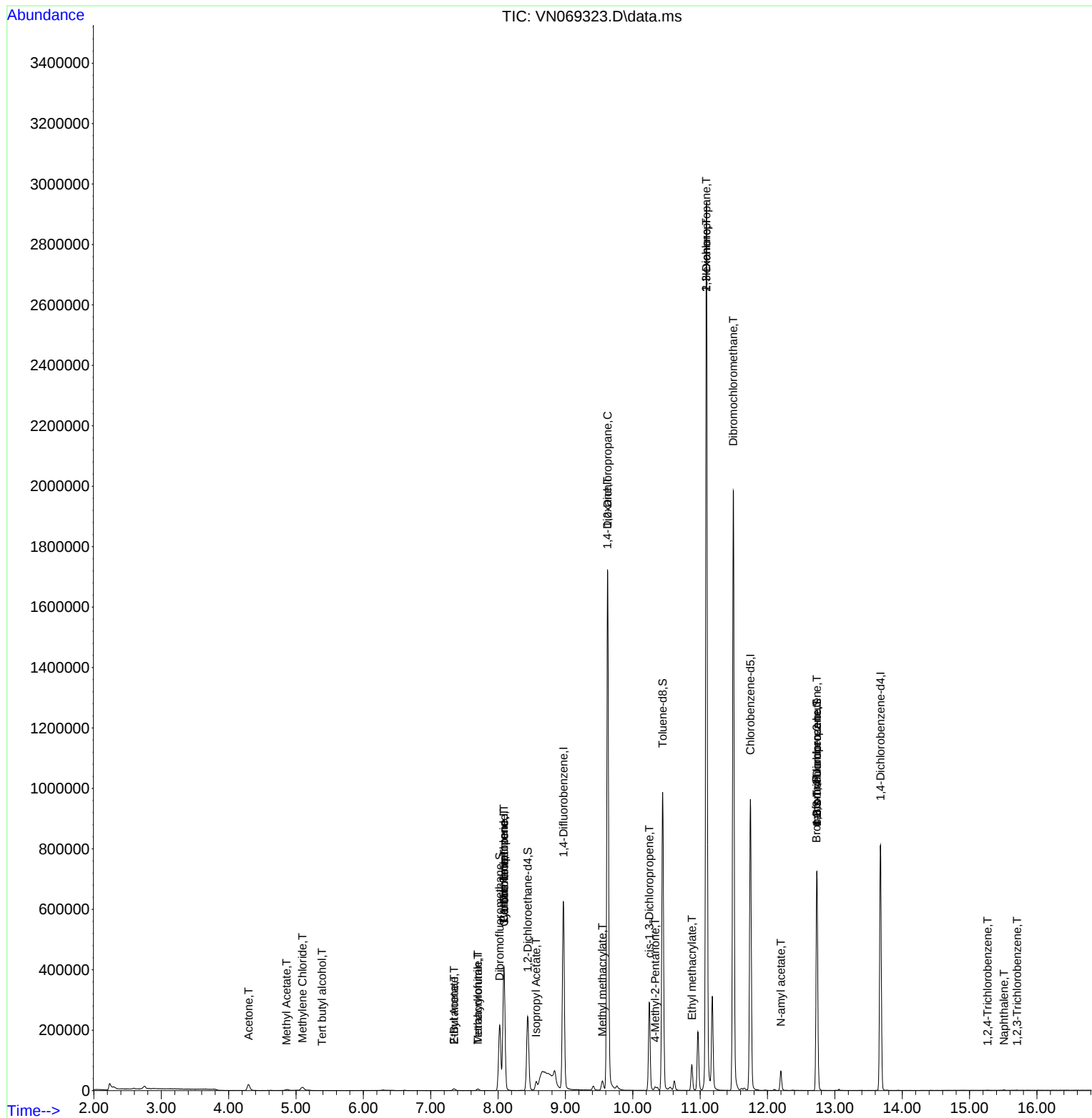
Internal Standards						
1) Pentafluorobenzene	8.088	168	304371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	552192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	566456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	218369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	209593	47.703	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.400%		
35) Dibromofluoromethane	8.024	113	157003	45.612	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.220%		
50) Toluene-d8	10.443	98	700175	50.874	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.740%		
62) 4-Bromofluorobenzene	12.733	95	261094	50.274	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	918	Below Cal	#	42
11) Tert butyl alcohol	5.388	59	51	13.464	ug/l #	72
16) Acetone	4.296	43	37916	20.254	ug/l	98
18) Methyl Acetate	4.859	43	6940	1.091	ug/l #	70
20) Methylene Chloride	5.095	84	8104	2.257	ug/l	97
25) 2-Butanone	7.345	43	10659	5.325	ug/l	94
29) Tetrahydrofuran	7.699	42	3994	5.077	ug/l #	85
31) Cyclohexane	8.091	56	7341	1.248	ug/l #	21
36) 1,1-Dichloropropene	8.086	75	25536	5.364	ug/l #	49
37) Ethyl Acetate	7.345	43	10659	1.965	ug/l #	68
38) Carbon Tetrachloride	8.088	117	32160	6.830	ug/l #	16
41) Methacrylonitrile	7.699	41	2320	0.867	ug/l #	41
43) Isopropyl Acetate	8.566	43	34451	4.067	ug/l #	89
45) 1,2-Dichloropropane	9.628	63	2116	0.580	ug/l #	43
48) Methyl methacrylate	9.550	41	7965	1.945	ug/l #	13
49) 1,4-Dioxane	9.622	88	215	36.949	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7728	7.625	ug/l	97
54) cis-1,3-Dichloropropene	10.245	75	54294	9.587	ug/l #	61
56) Ethyl methacrylate	10.878	69	325	1.729	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	31460	5.006	ug/l #	42
59) 2-Hexanone	11.092	43	452806	101.083	ug/l #	50
60) Dibromochloromethane	11.492	129	244	2.030	ug/l #	10
71) Bromoform	12.728	173	488	3.004	ug/l #	29
74) N-amyl acetate	12.197	43	21079	2.915	ug/l #	52
76) 1,2,3-Trichloropropane	12.733	75	139862	24.352	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	139862	69.859	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	354	2.582	ug/l #	76
95) Naphthalene	15.509	128	2348	3.509	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.705	180	479	2.339	ug/l #	67

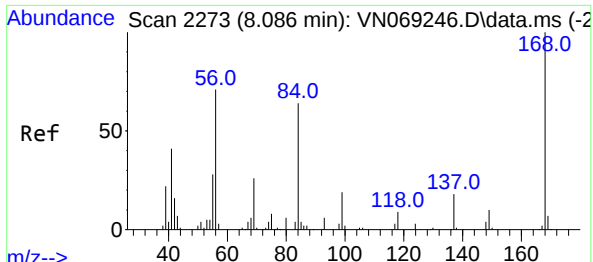
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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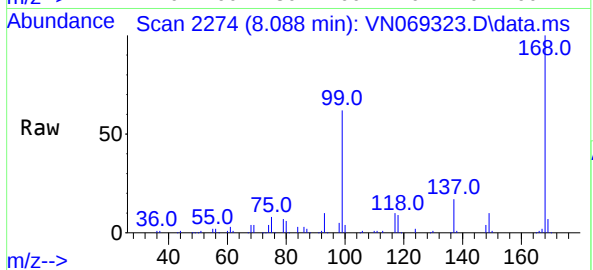
Quant Time: Nov 01 17:39:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
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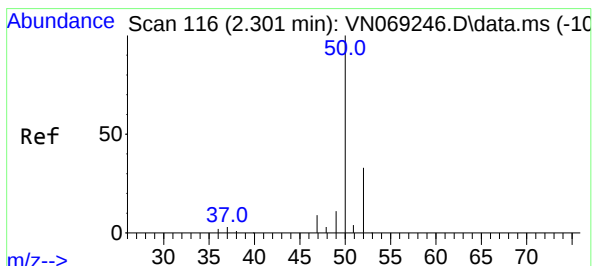
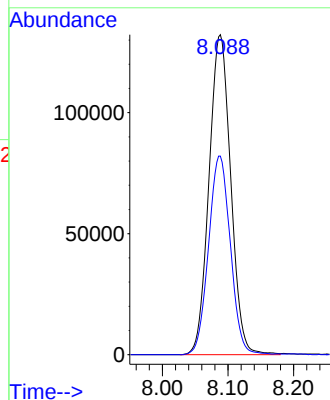
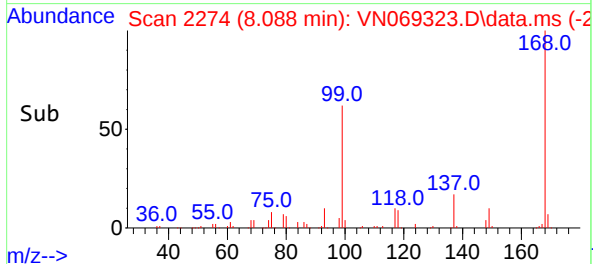


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :

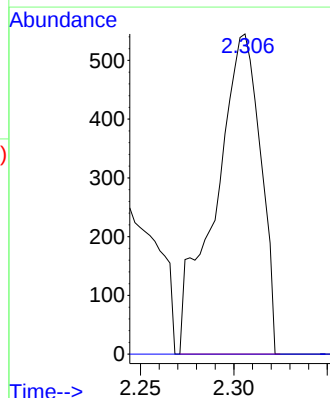
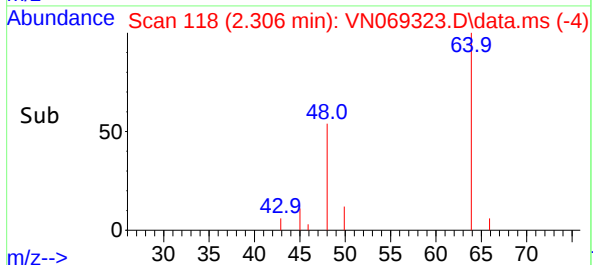
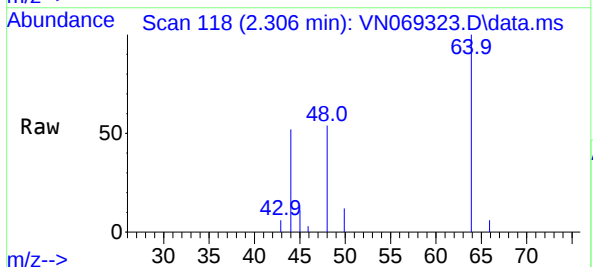


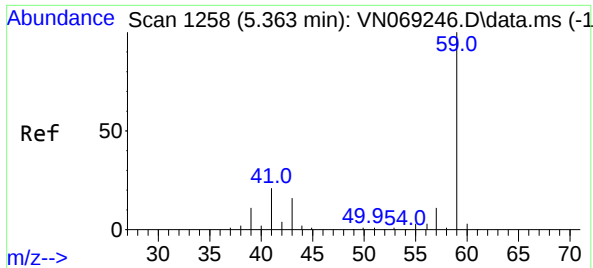
Tgt Ion:168 Resp: 304371
Ion Ratio Lower Upper
168 100
99 62.0 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 50 Resp: 918
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

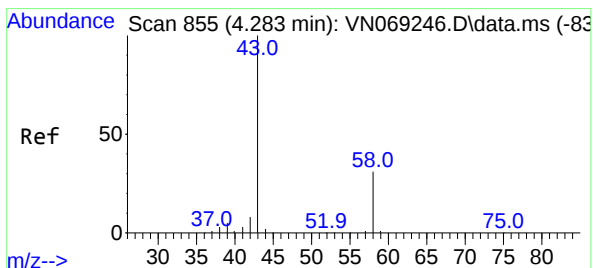
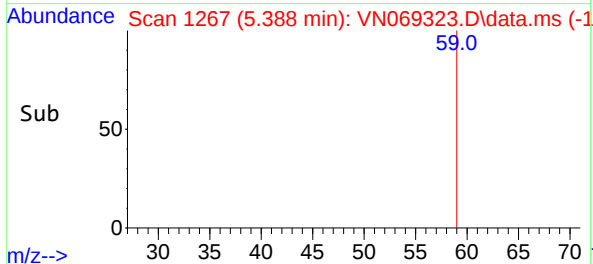
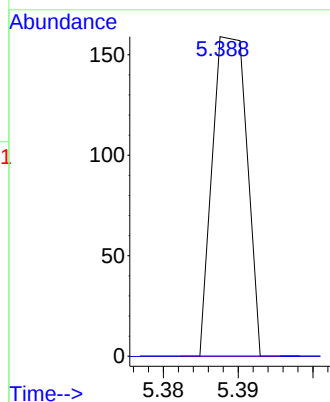
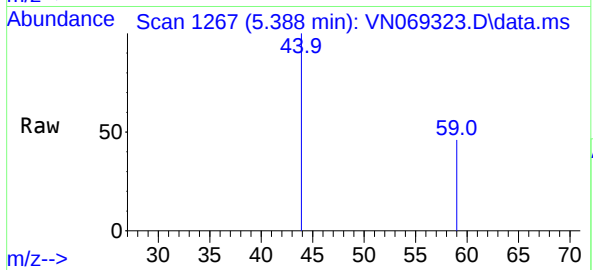




#11
Tert butyl alcohol
Concen: 13.464 ug/l
RT: 5.388 min Scan# 11
Delta R.T. 0.025 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

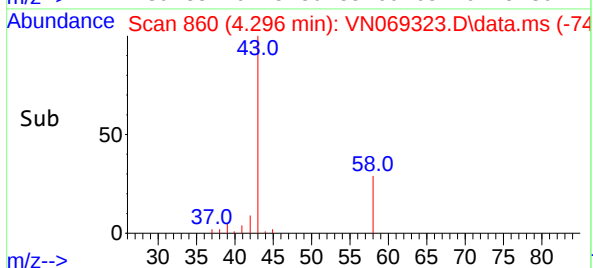
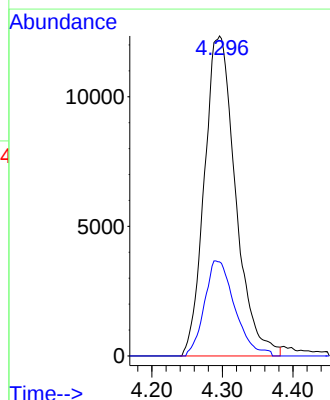
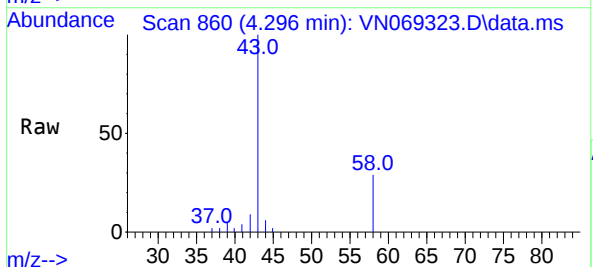
Instrument :
MSVOA_N
ClientSampleId :

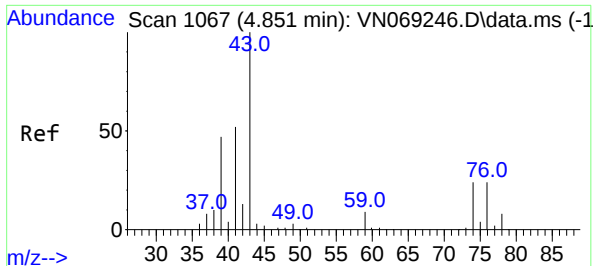
Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 20.254 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 43 Resp: 37916
Ion Ratio Lower Upper
43 100
58 29.4 24.5 36.7

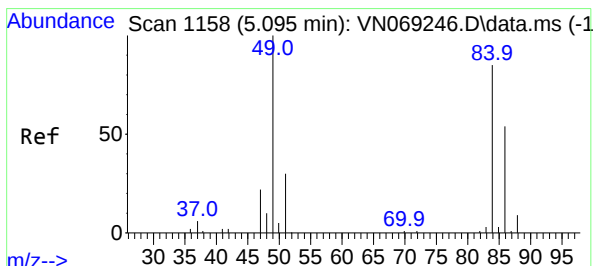
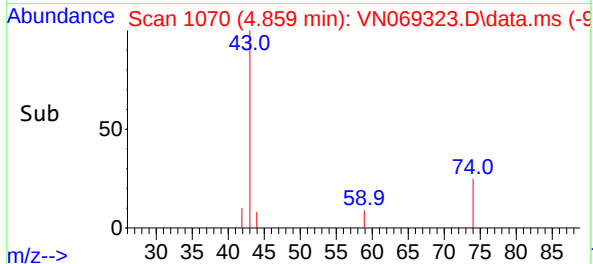
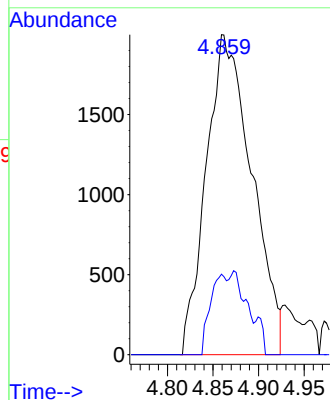
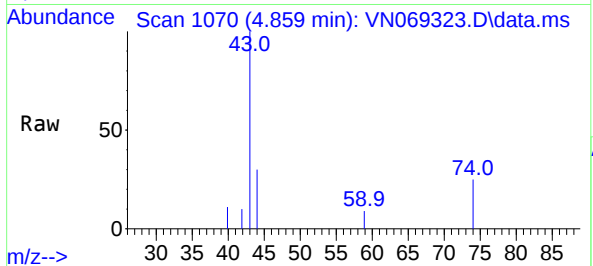




#18
Methyl Acetate
Concen: 1.091 ug/l
RT: 4.859 min Scan# 1107
Delta R.T. 0.008 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

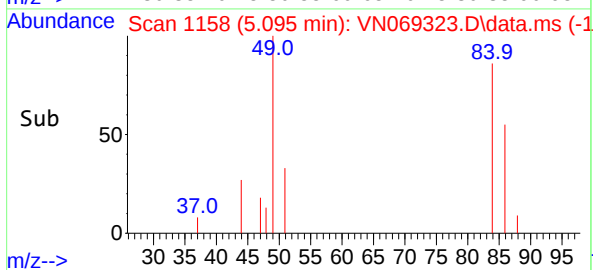
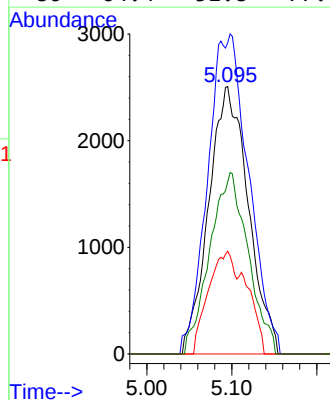
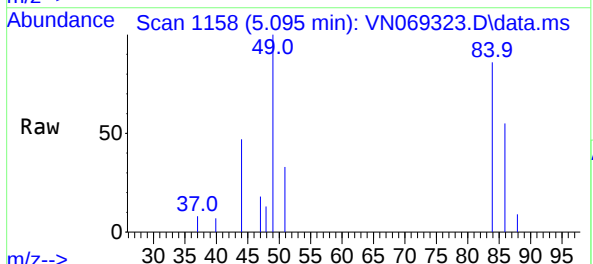
Instrument :
MSVOA_N
ClientSampleId :

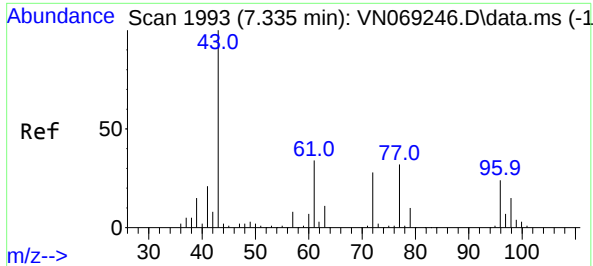
Tgt Ion: 43 Resp: 6940
Ion Ratio Lower Upper
43 100
74 9.0 18.9 28.3#



#20
Methylene Chloride
Concen: 2.257 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 84 Resp: 8104
Ion Ratio Lower Upper
84 100
49 116.4 97.6 146.4
51 38.5 30.3 45.5
86 64.4 51.8 77.6



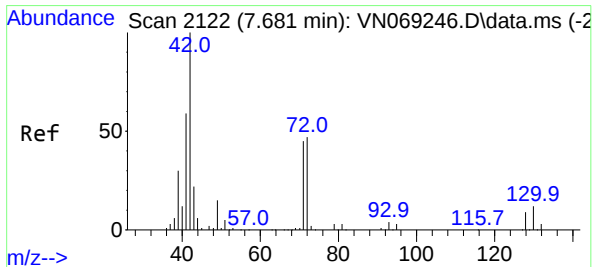
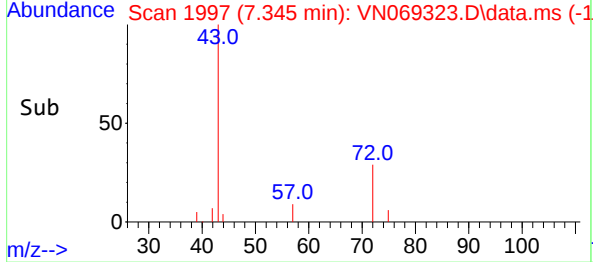
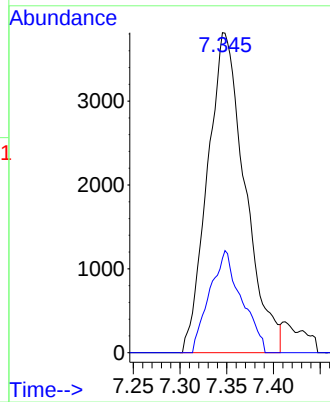
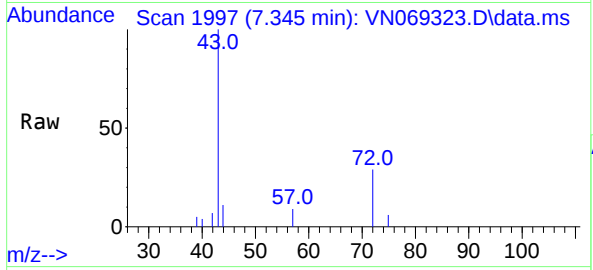


#25
2-Butanone
Concen: 5.325 ug/l
RT: 7.345 min Scan# 1993
Delta R.T. 0.010 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 10659

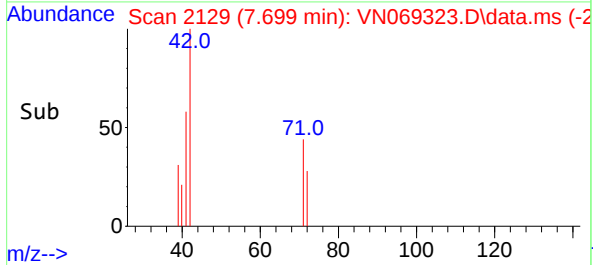
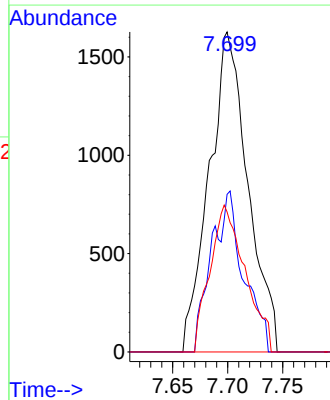
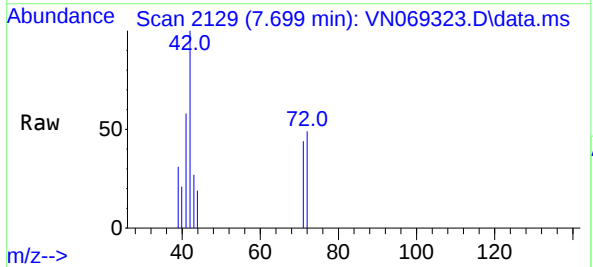
Ion	Ratio	Lower	Upper
43	100		
72	29.5	21.2	31.8

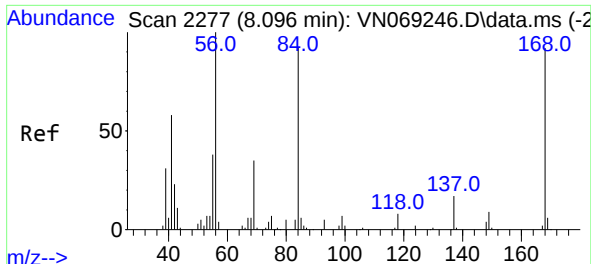


#29
Tetrahydrofuran
Concen: 5.077 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.018 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 42 Resp: 3994

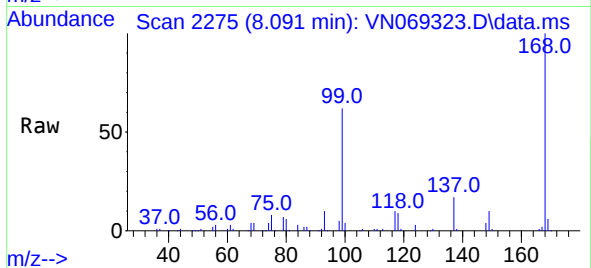
Ion	Ratio	Lower	Upper
42	100		
72	26.0	35.4	53.2#
71	41.7	33.8	50.6



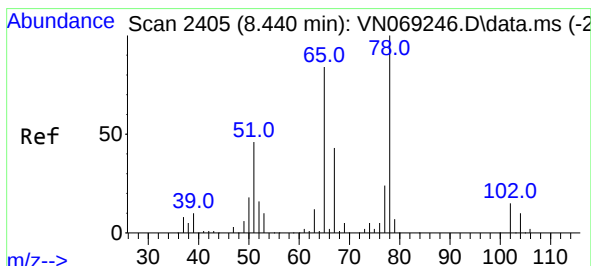
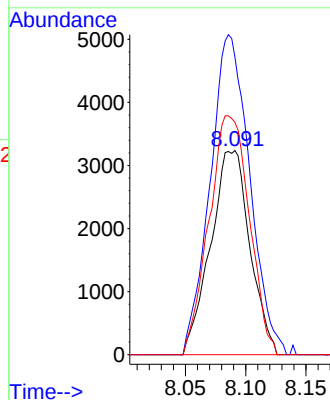
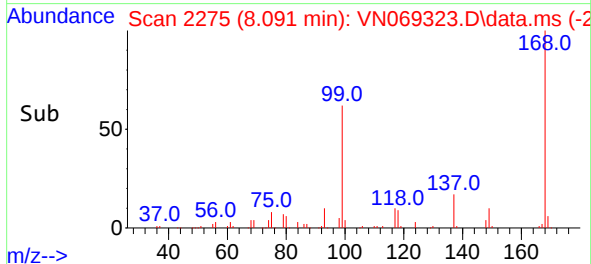


#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.091 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :

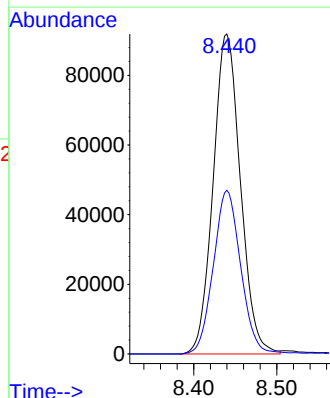
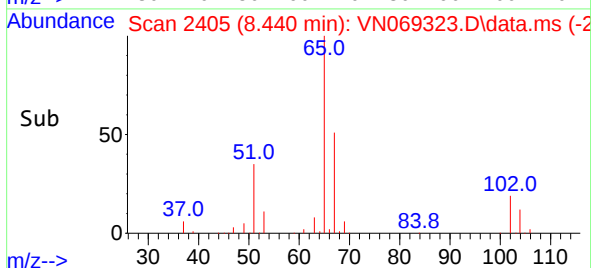
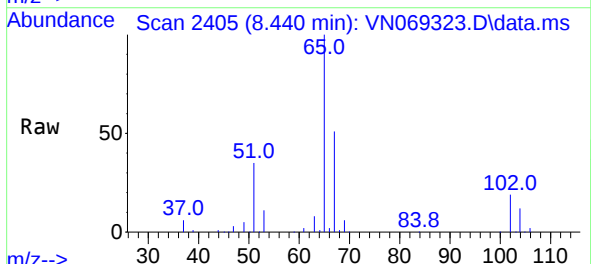


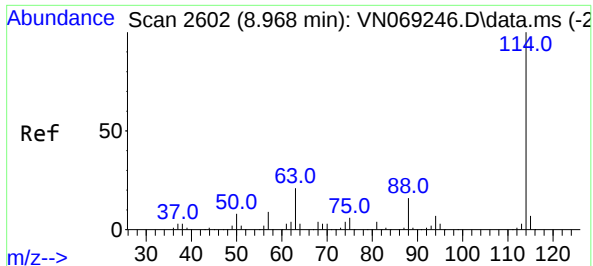
Tgt Ion: 56 Resp: 7341
Ion Ratio Lower Upper
56 100
69 145.7 26.9 40.3#
84 113.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 47.703 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 65 Resp: 209593
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN069323.D

Acq: 1 Nov 2021 16:32

Instrument :

MSVOA_N

ClientSampleId :

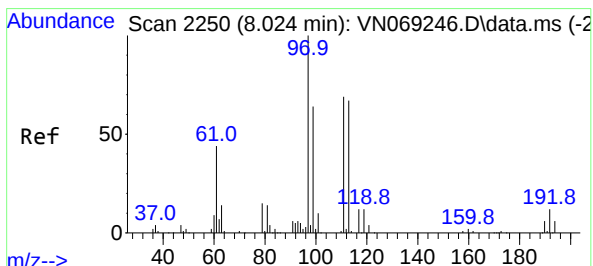
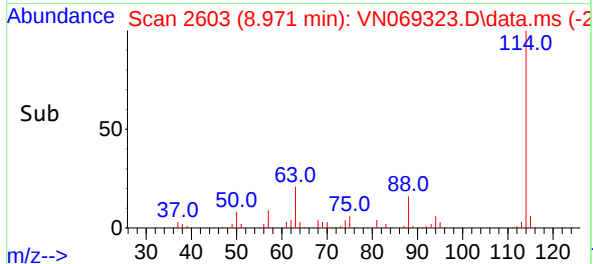
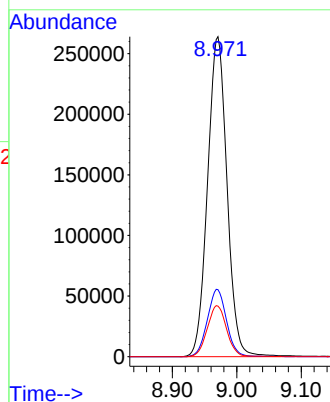
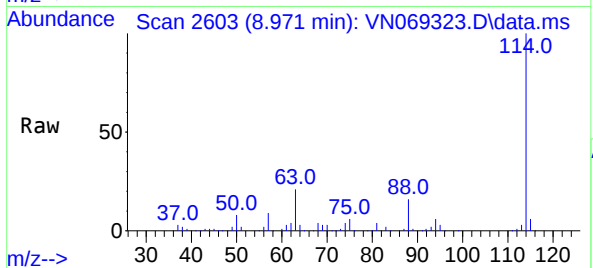
Tgt Ion:114 Resp: 552192

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 15.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 45.612 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069323.D

Acq: 1 Nov 2021 16:32

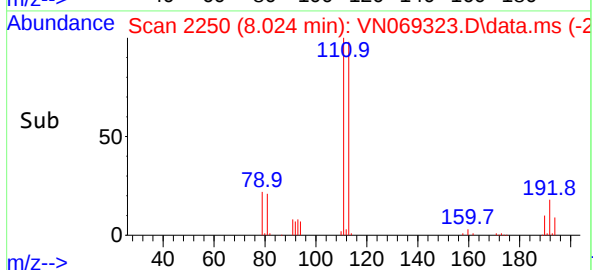
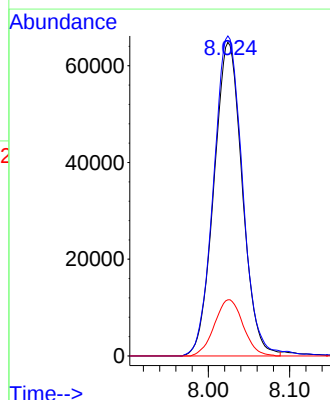
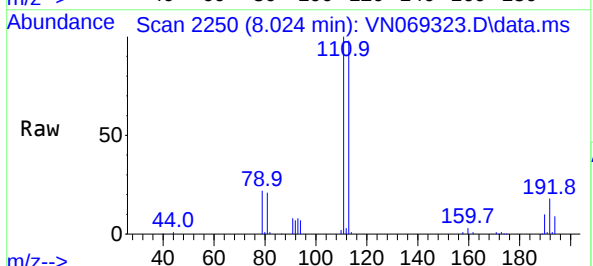
Tgt Ion:113 Resp: 157003

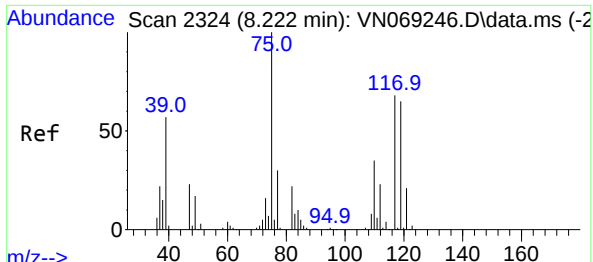
Ion Ratio Lower Upper

113 100

111 104.4 83.2 124.8

192 18.2 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.364 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.136 min

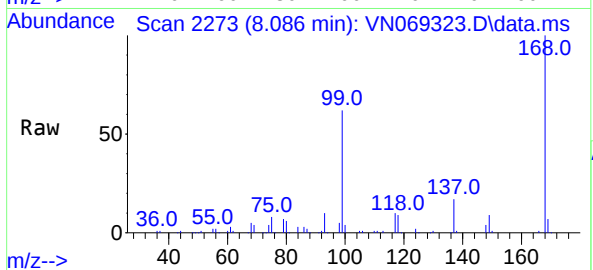
Lab File: VN069323.D

Acq: 1 Nov 2021 16:32

Instrument :

MSVOA_N

ClientSampleId :



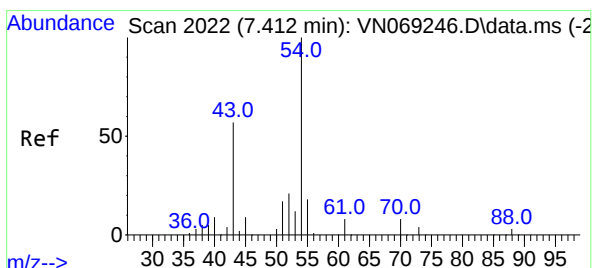
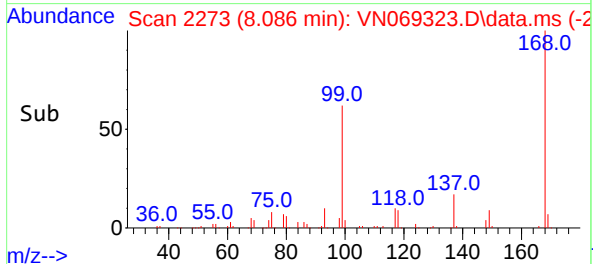
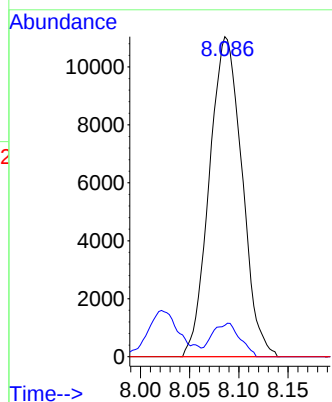
Tgt Ion: 75 Resp: 25536

Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.8#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.965 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. -0.067 min

Lab File: VN069323.D

Acq: 1 Nov 2021 16:32

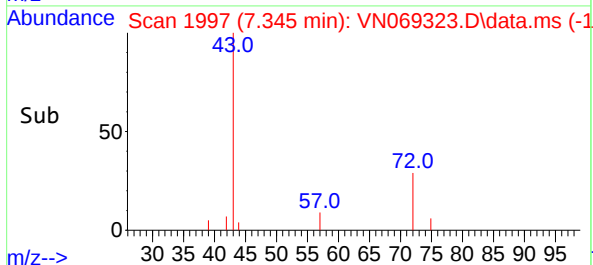
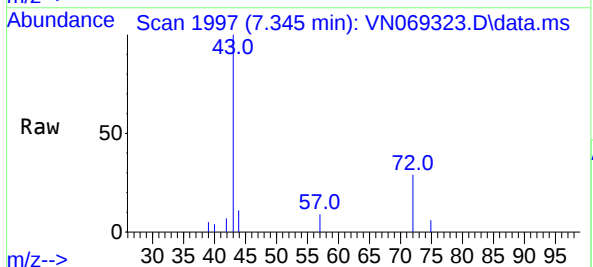
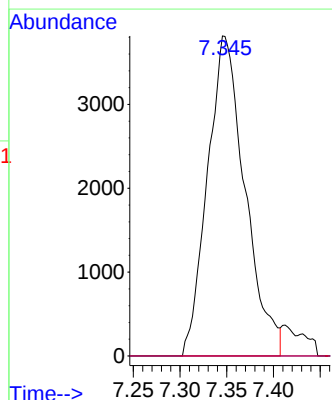
Tgt Ion: 43 Resp: 10659

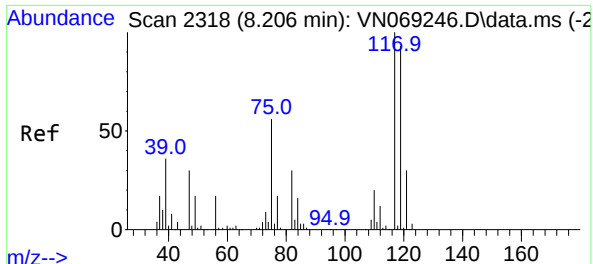
Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

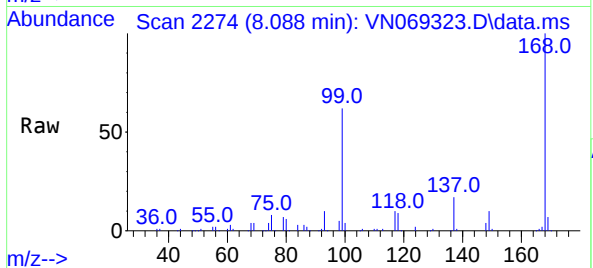
70 0.0 8.4 12.6#



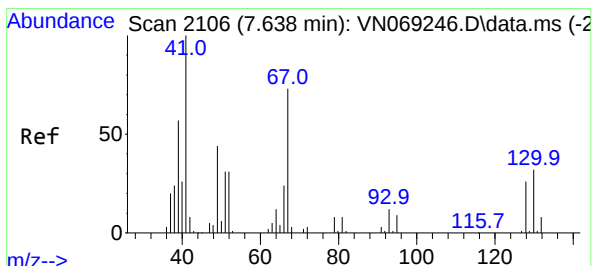
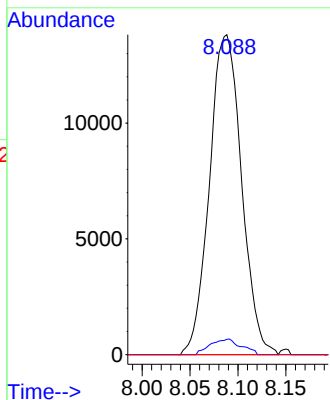
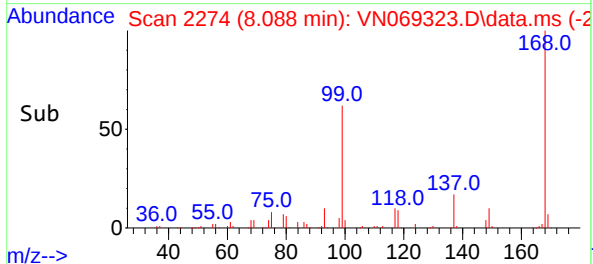


#38
Carbon Tetrachloride
Concen: 6.830 ug/l
RT: 8.088 min Scan# 2119
Delta R.T. -0.118 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

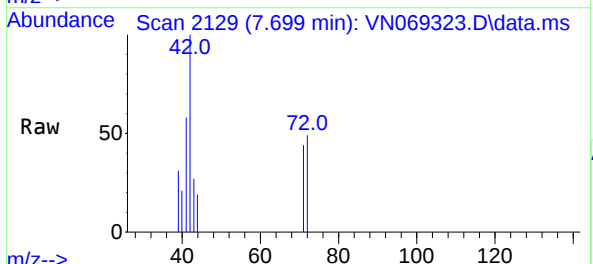
Instrument :
MSVOA_N
ClientSampleId :



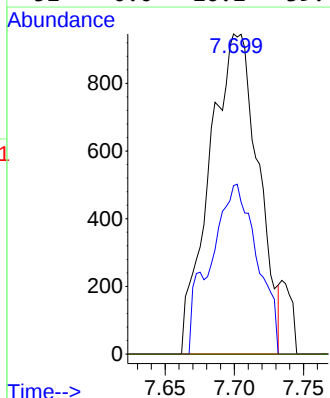
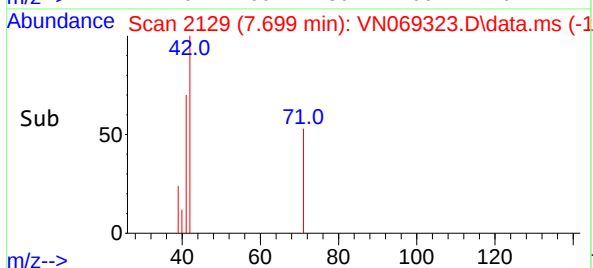
Tgt Ion:117 Resp: 32160
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.6 37.0#

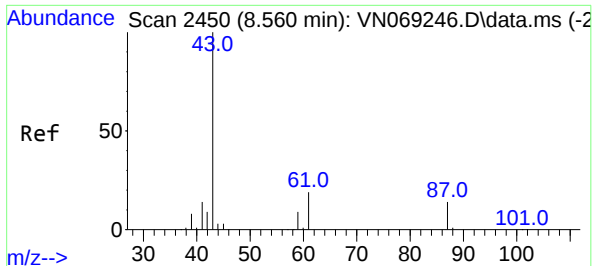


#41
Methacrylonitrile
Concen: 0.867 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.061 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32



Tgt Ion: 41 Resp: 2320
Ion Ratio Lower Upper
41 100
39 43.1 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

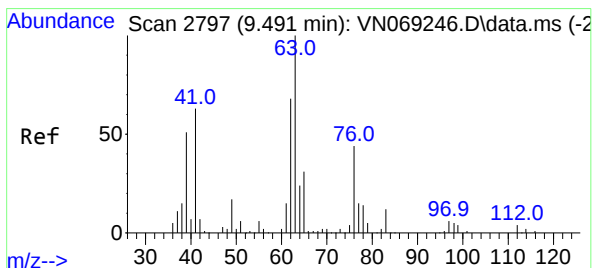
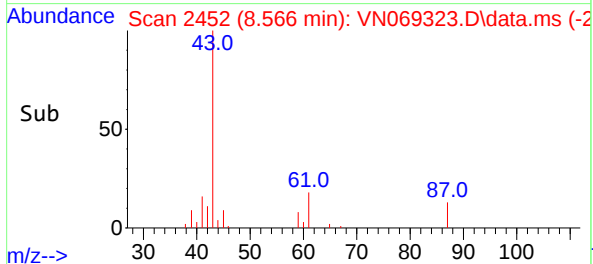
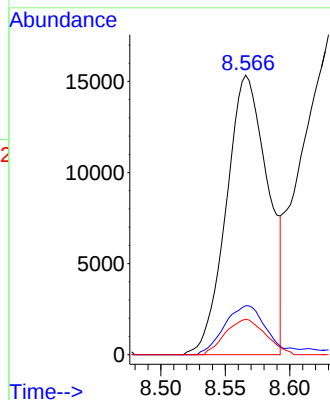
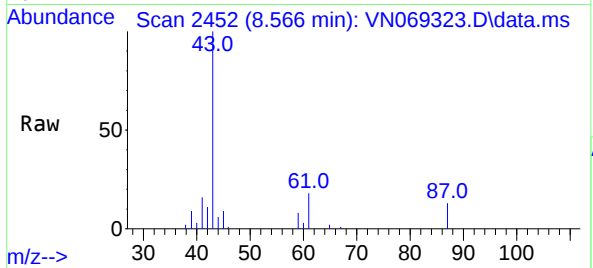




#43
Isopropyl Acetate
Concen: 4.067 ug/l
RT: 8.566 min Scan# 2450
Delta R.T. 0.006 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

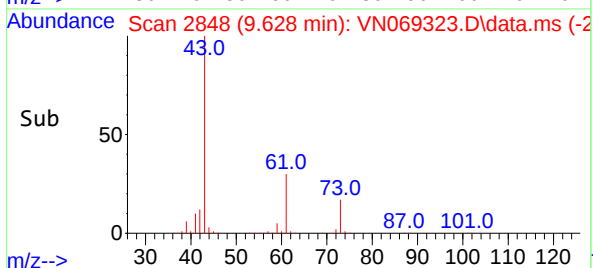
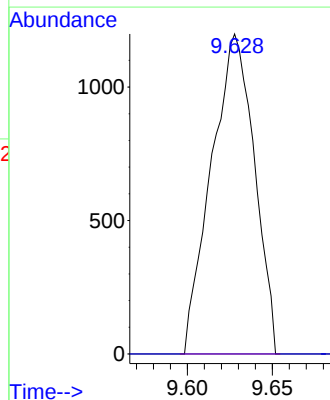
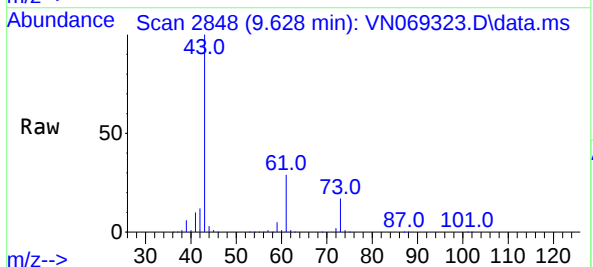
Instrument :
MSVOA_N
ClientSampleId :

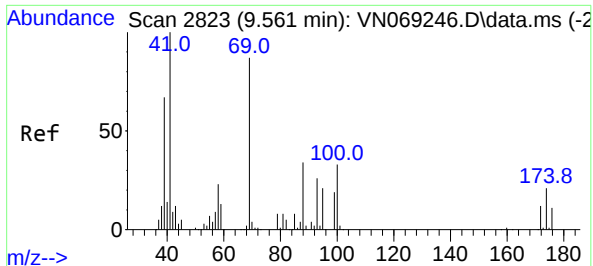
Tgt Ion: 43 Resp: 34451
Ion Ratio Lower Upper
43 100
61 17.9 20.4 30.6#
87 12.3 10.7 16.1



#45
1,2-Dichloropropane
Concen: 0.580 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 63 Resp: 2116
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

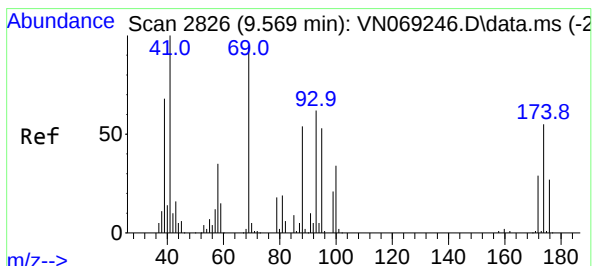
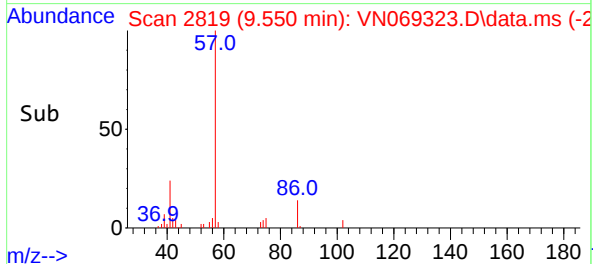
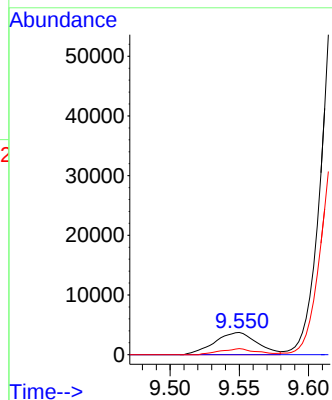
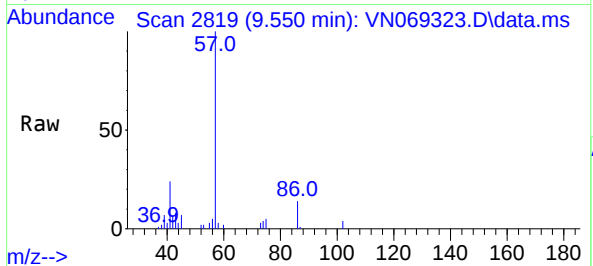




#48
Methyl methacrylate
Concen: 1.945 ug/l
RT: 9.550 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

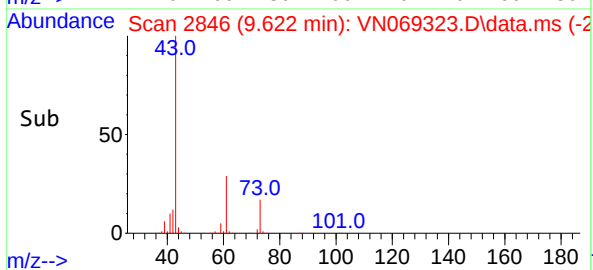
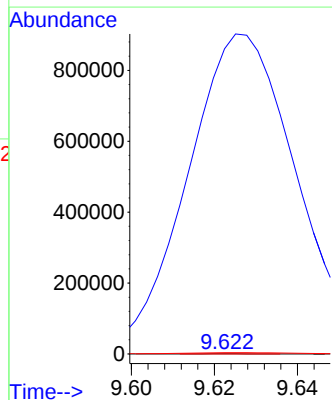
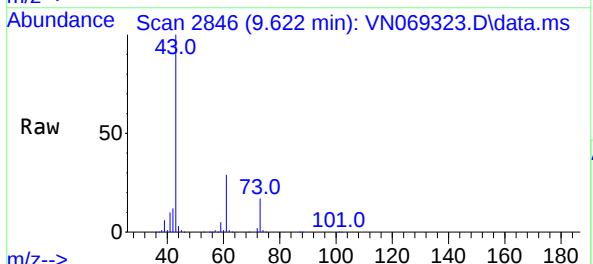
Instrument :
MSVOA_N
ClientSampleId :

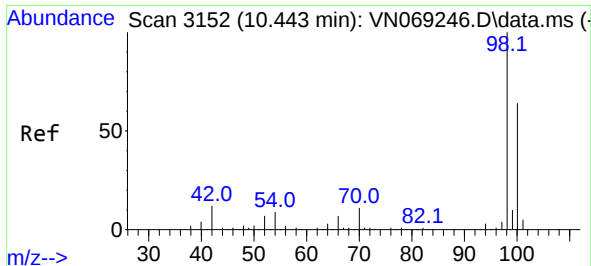
Tgt Ion: 41 Resp: 7965
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.949 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 796116.3 24.9 37.3#
58 3213.0 56.9 85.3#

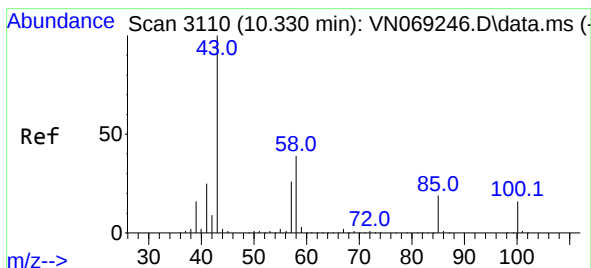
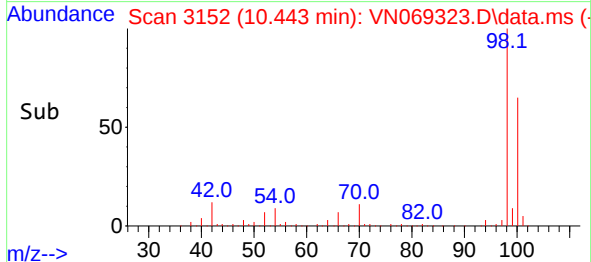
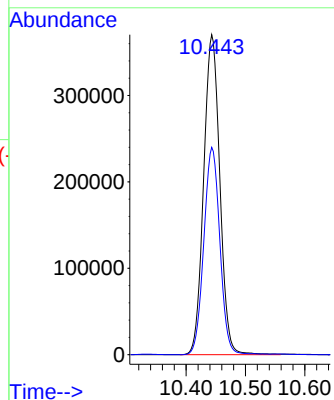
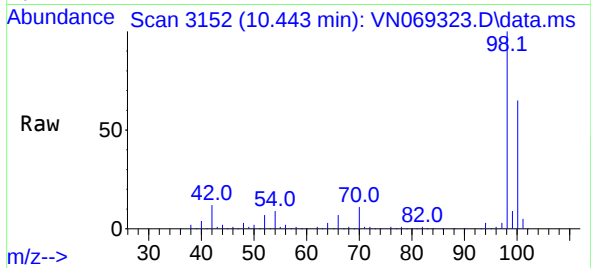




#50
Toluene-d8
Concen: 50.874 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

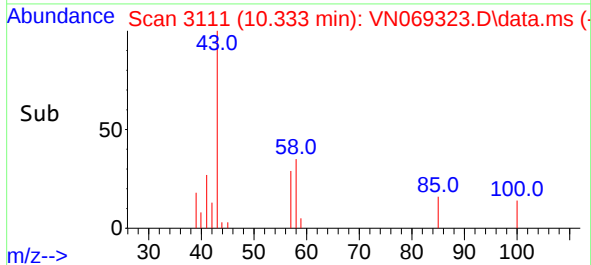
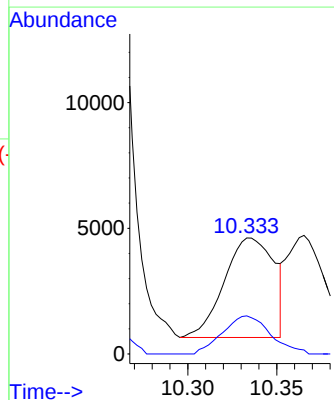
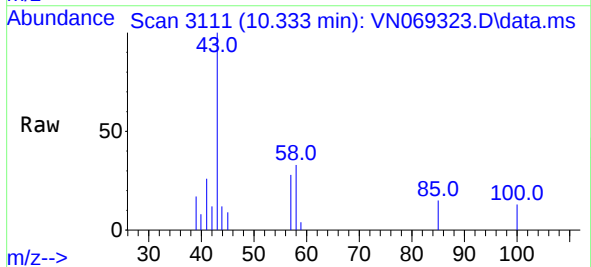
Instrument :
MSVOA_N
ClientSampleId :

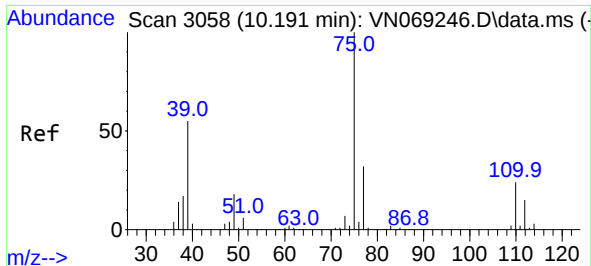
Tgt Ion: 98 Resp: 700175
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 7.625 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 43 Resp: 7728
Ion Ratio Lower Upper
43 100
58 36.6 31.0 46.4

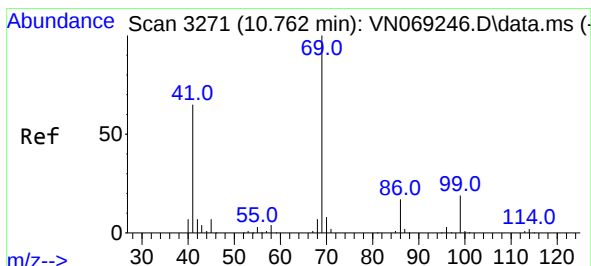
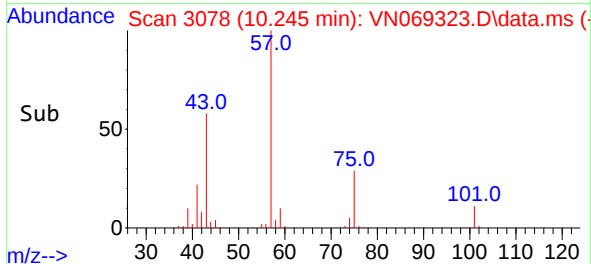
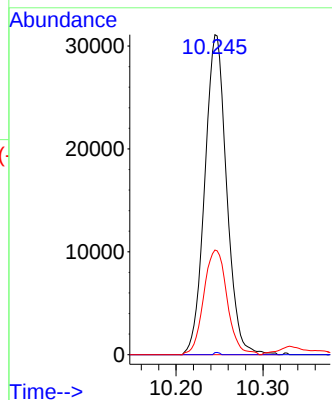
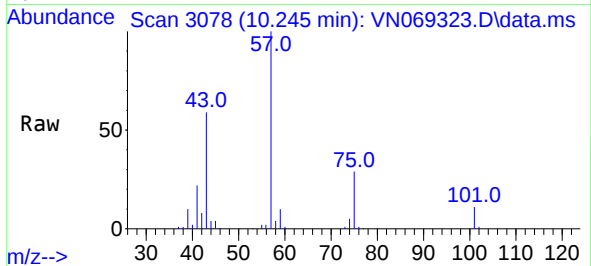




#54
cis-1,3-Dichloropropene
Concen: 9.587 ug/l
RT: 10.245 min Scan# 3058
Delta R.T. 0.054 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

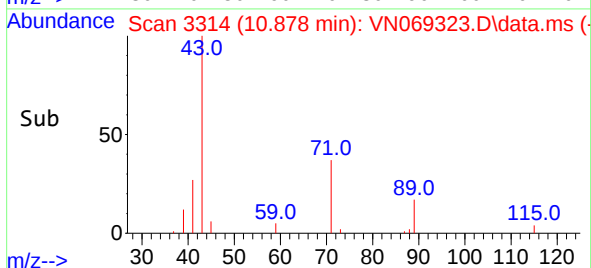
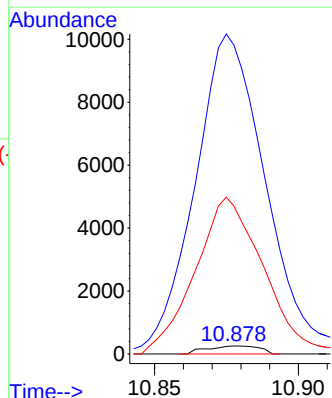
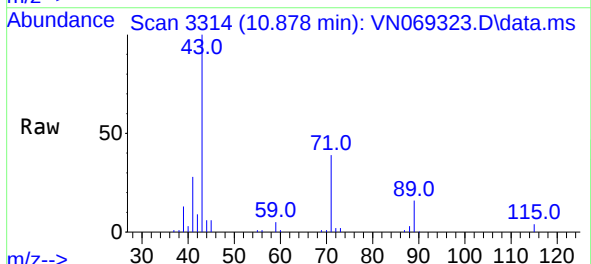
Instrument :
MSVOA_N
ClientSampleId :

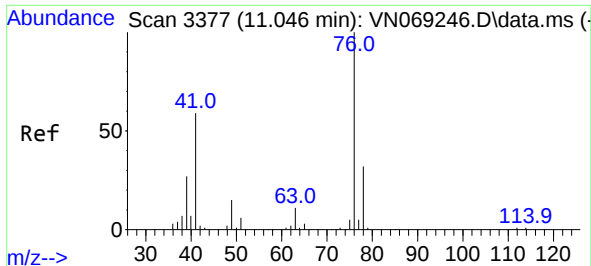
Tgt Ion: 75 Resp: 54294
Ion Ratio Lower Upper
75 100
77 0.7 25.6 38.4#
39 32.7 42.9 64.3#



#56
Ethyl methacrylate
Concen: 1.729 ug/l
RT: 10.878 min Scan# 3314
Delta R.T. 0.116 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 69 Resp: 325
Ion Ratio Lower Upper
69 100
41 5397.2 53.3 79.9#
39 2535.7 33.3 49.9#

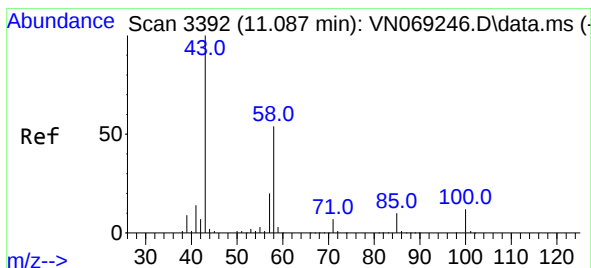
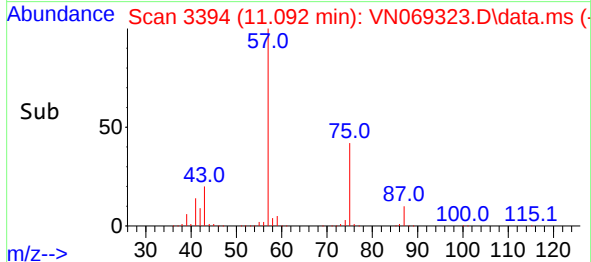
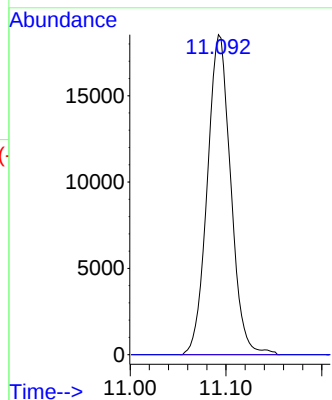
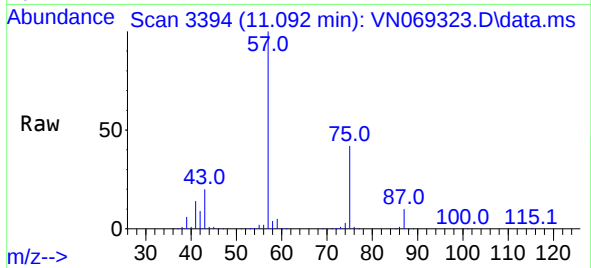




#57
1,3-Dichloropropane
Concen: 5.006 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

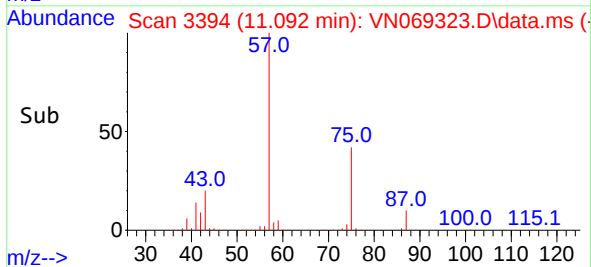
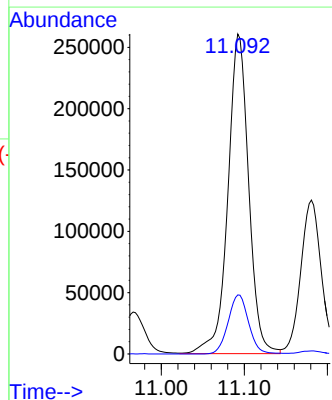
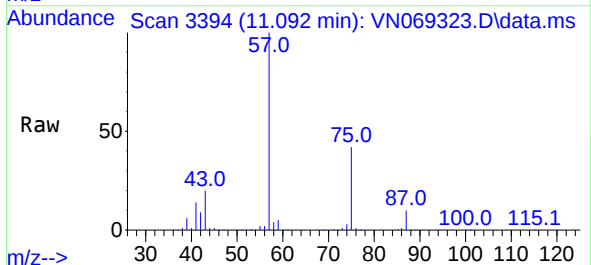
Instrument :
MSVOA_N
ClientSampleId :

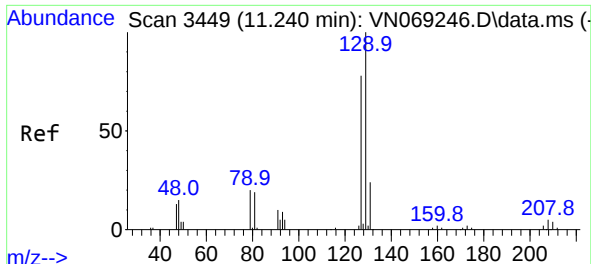
Tgt Ion: 76 Resp: 31460
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 101.083 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 43 Resp: 452806
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

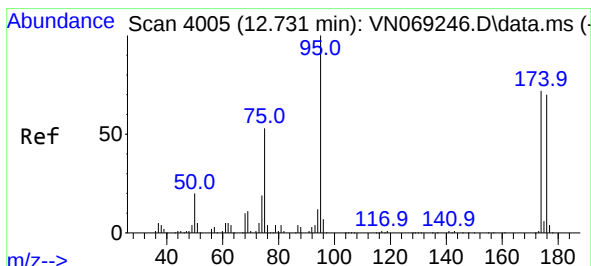
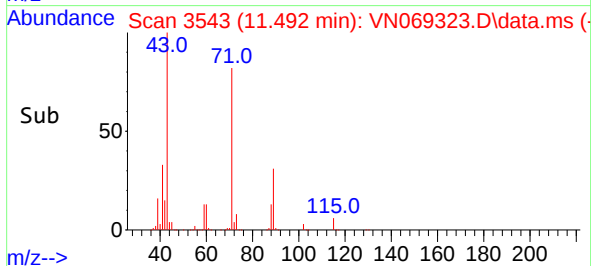
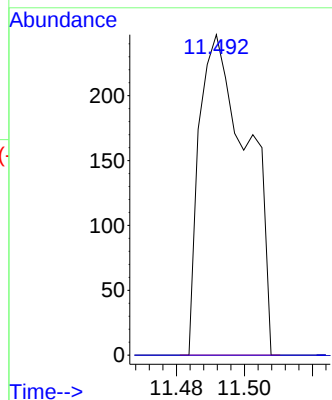
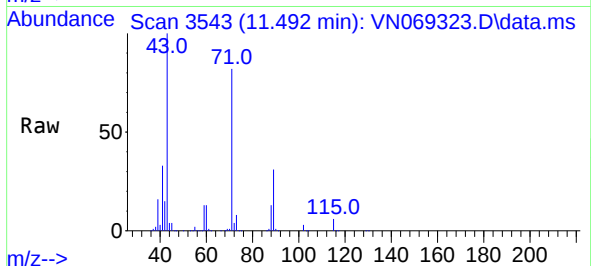




#60
Dibromochloromethane
Concen: 2.030 ug/l
RT: 11.492 min Scan# 311
Delta R.T. 0.252 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

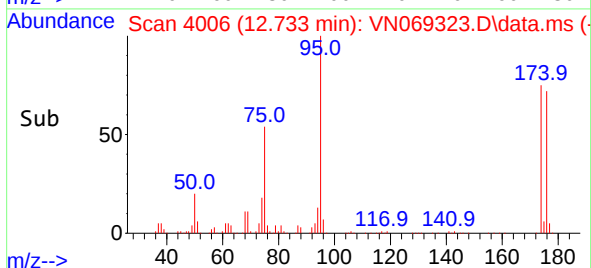
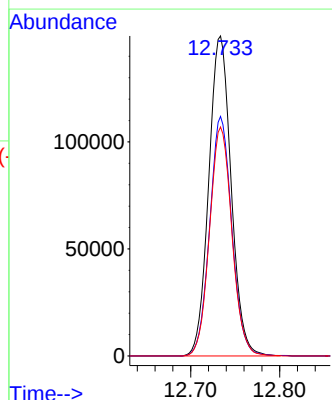
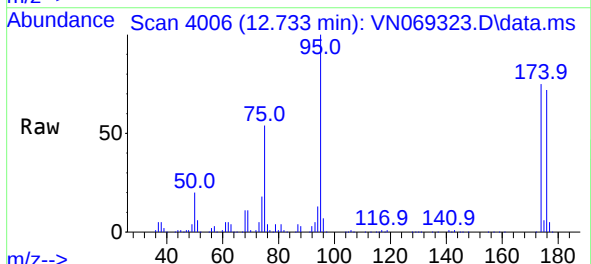
Instrument :
MSVOA_N
ClientSampleId :

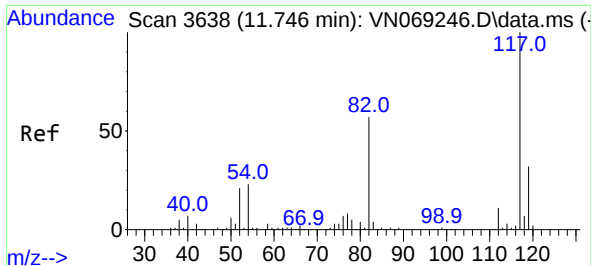
Tgt Ion:129 Resp: 244
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 50.274 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

Tgt Ion: 95 Resp: 261094
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.8
176 71.4 0.0 140.0

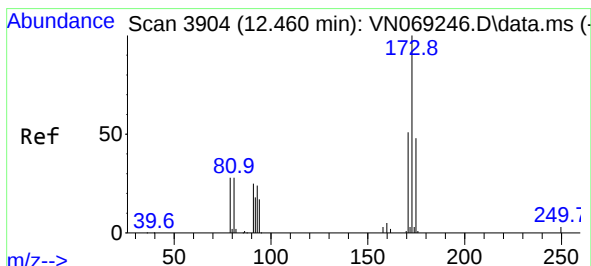
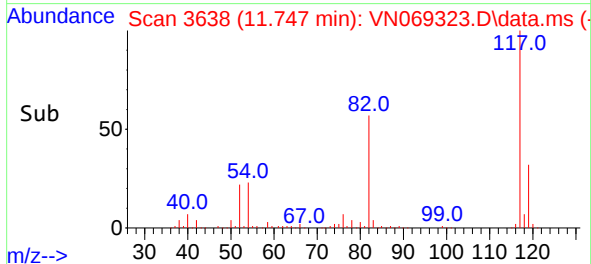
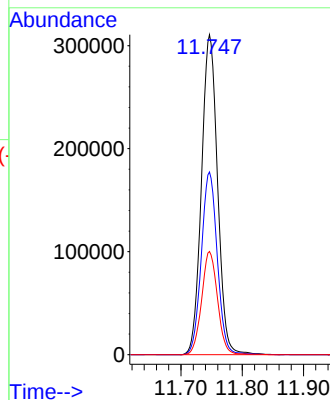
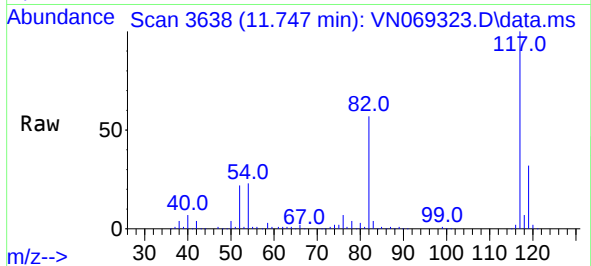




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

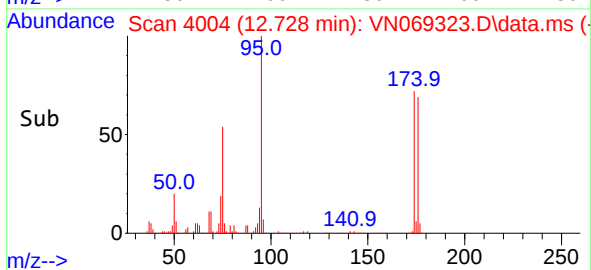
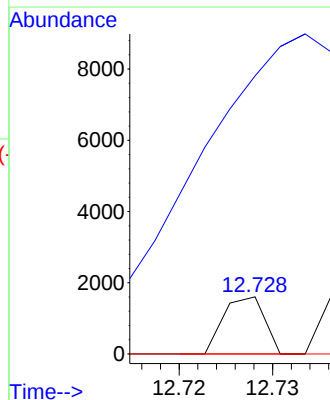
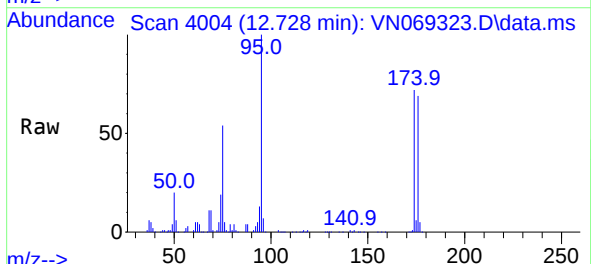
Instrument :
MSVOA_N
ClientSampleId :

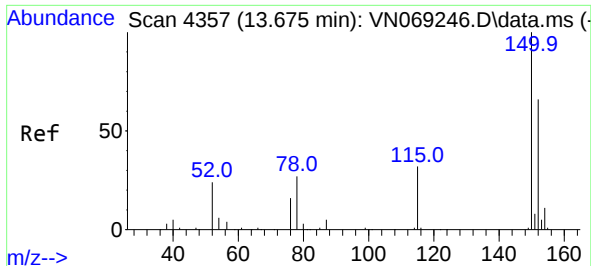
Tgt Ion:117 Resp: 566456
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 32.3 26.0 39.0



#71
Bromoform
Concen: 3.004 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

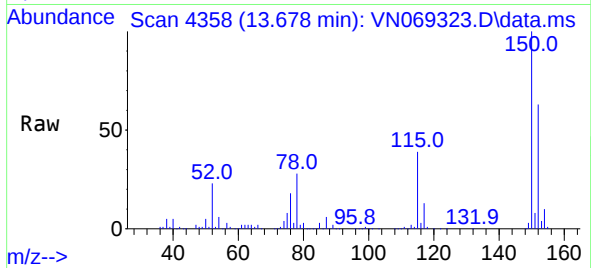
Tgt Ion:173 Resp: 488
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



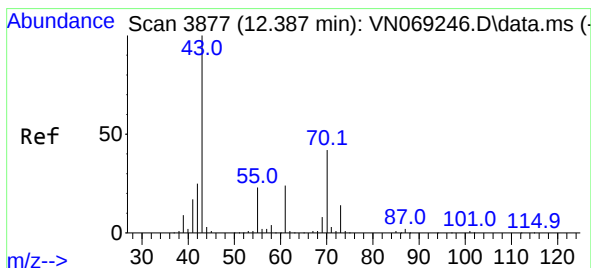
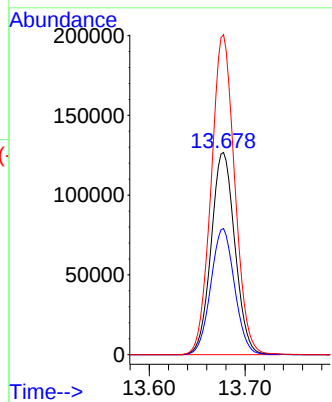
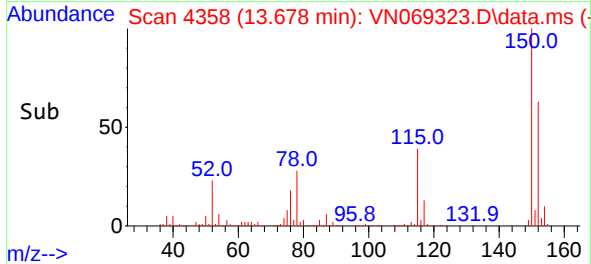


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

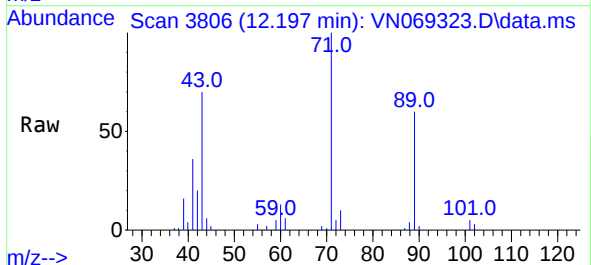
Instrument :
MSVOA_N
ClientSampleId :



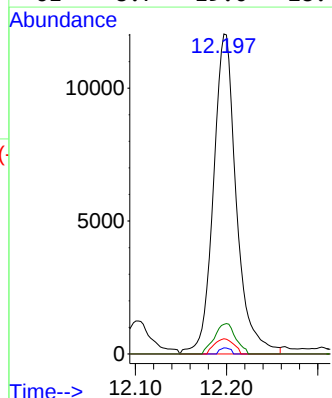
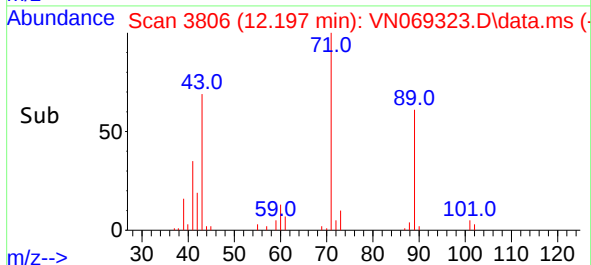
Tgt Ion:152 Resp: 218369
Ion Ratio Lower Upper
152 100
115 62.5 31.4 94.3
150 157.0 0.0 351.0

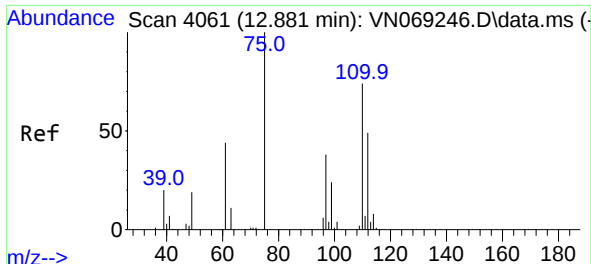


#74
N-ethyl acetate
Concen: 2.915 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32



Tgt Ion: 43 Resp: 21079
Ion Ratio Lower Upper
43 100
70 0.9 32.2 48.2#
55 4.0 18.0 27.0#
61 8.7 19.0 28.4#

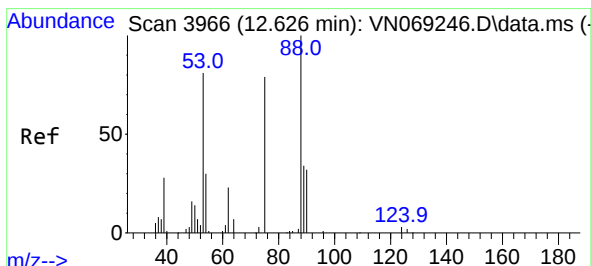
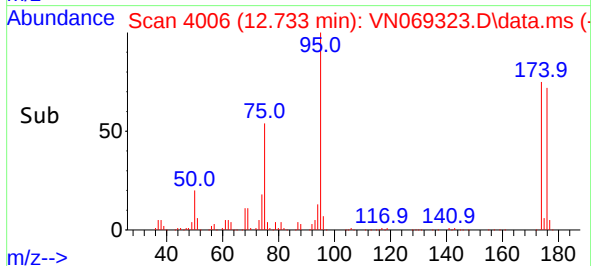
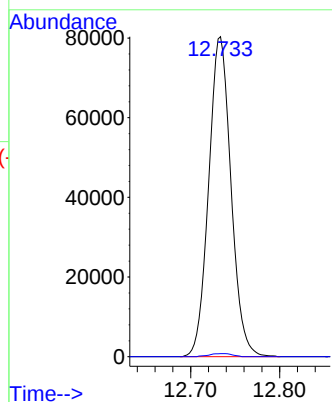
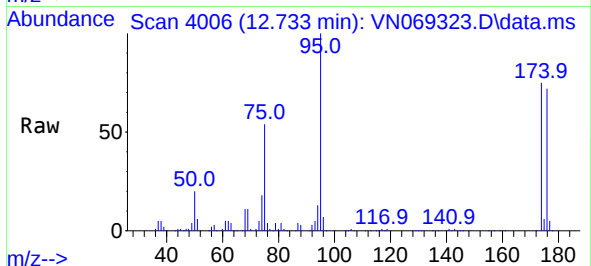




#76
1,2,3-Trichloropropane
Concen: 24.352 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

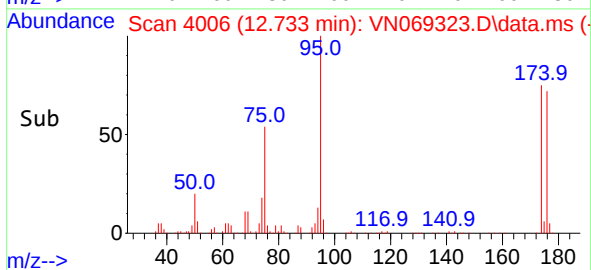
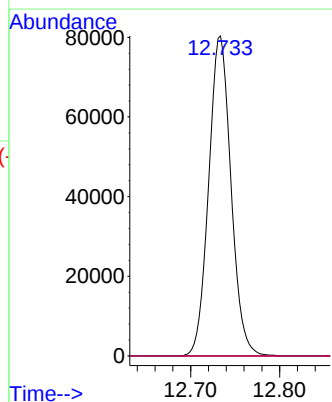
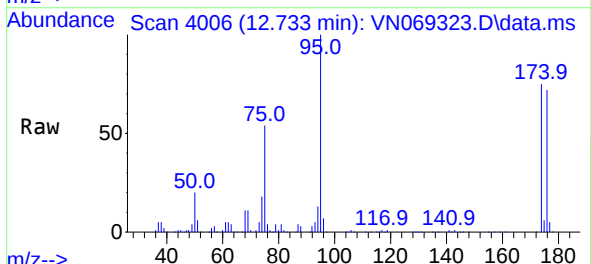
Instrument :
MSVOA_N
ClientSampleId :

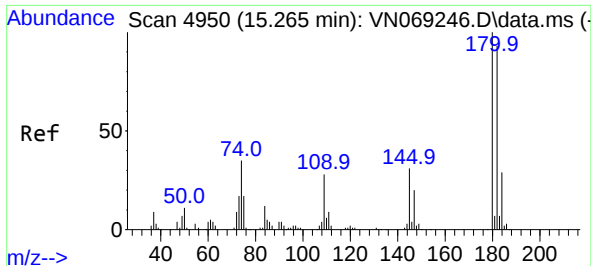
Tgt Ion: 75 Resp: 139862
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.859 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

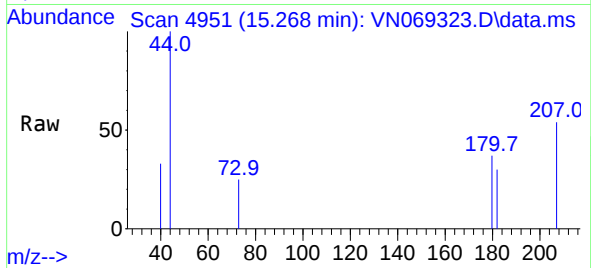
Tgt Ion: 75 Resp: 139862
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



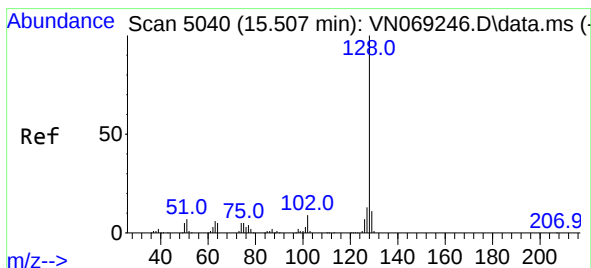
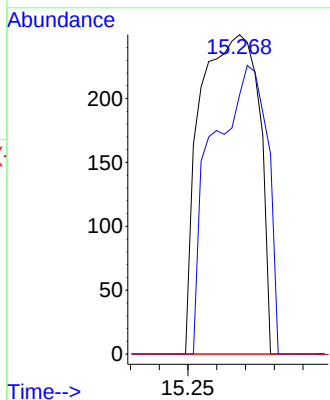
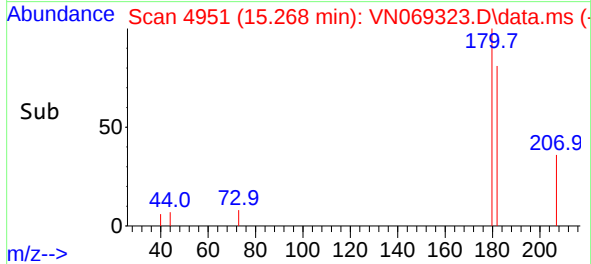


#93
1,2,4-Trichlorobenzene
Concen: 2.582 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32

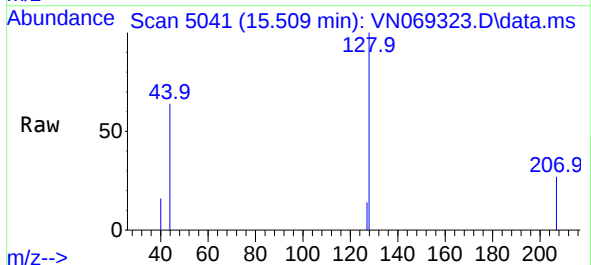
Instrument :
MSVOA_N
ClientSampleId :



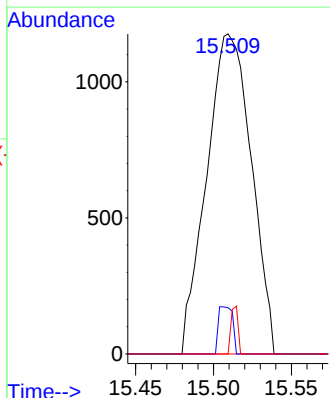
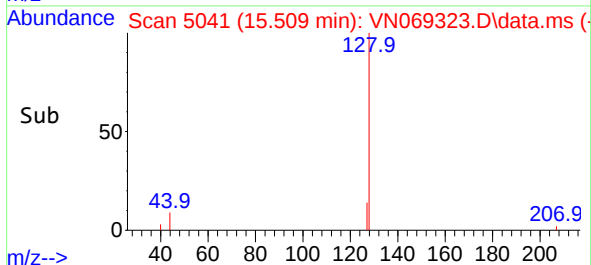
Tgt Ion:180 Resp: 354
Ion Ratio Lower Upper
180 100
182 83.6 47.9 143.7
145 0.0 16.4 49.2#

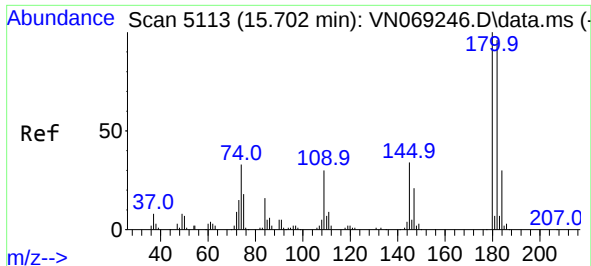


#95
Naphthalene
Concen: 3.509 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069323.D
Acq: 1 Nov 2021 16:32



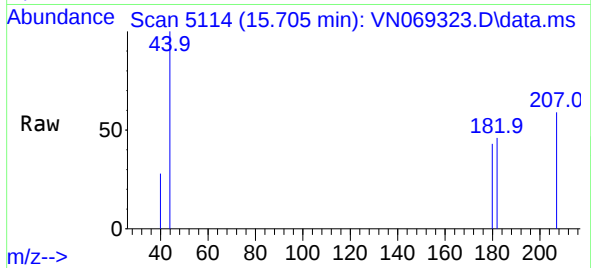
Tgt Ion:128 Resp: 2348
Ion Ratio Lower Upper
128 100
127 4.6 10.5 15.7#
129 2.3 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.339 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN069323.D
 Acq: 1 Nov 2021 16:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 479

Ion	Ratio	Lower	Upper
180	100		
182	72.9	48.1	144.3
145	0.0	17.4	52.2#

