

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067556.D
 Acq On : 29 Jun 2021 16:27
 Operator : JC/MD
 Sample : M2860-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 16:48:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 28 14:31:03 2021
 Response via : Initial Calibration

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

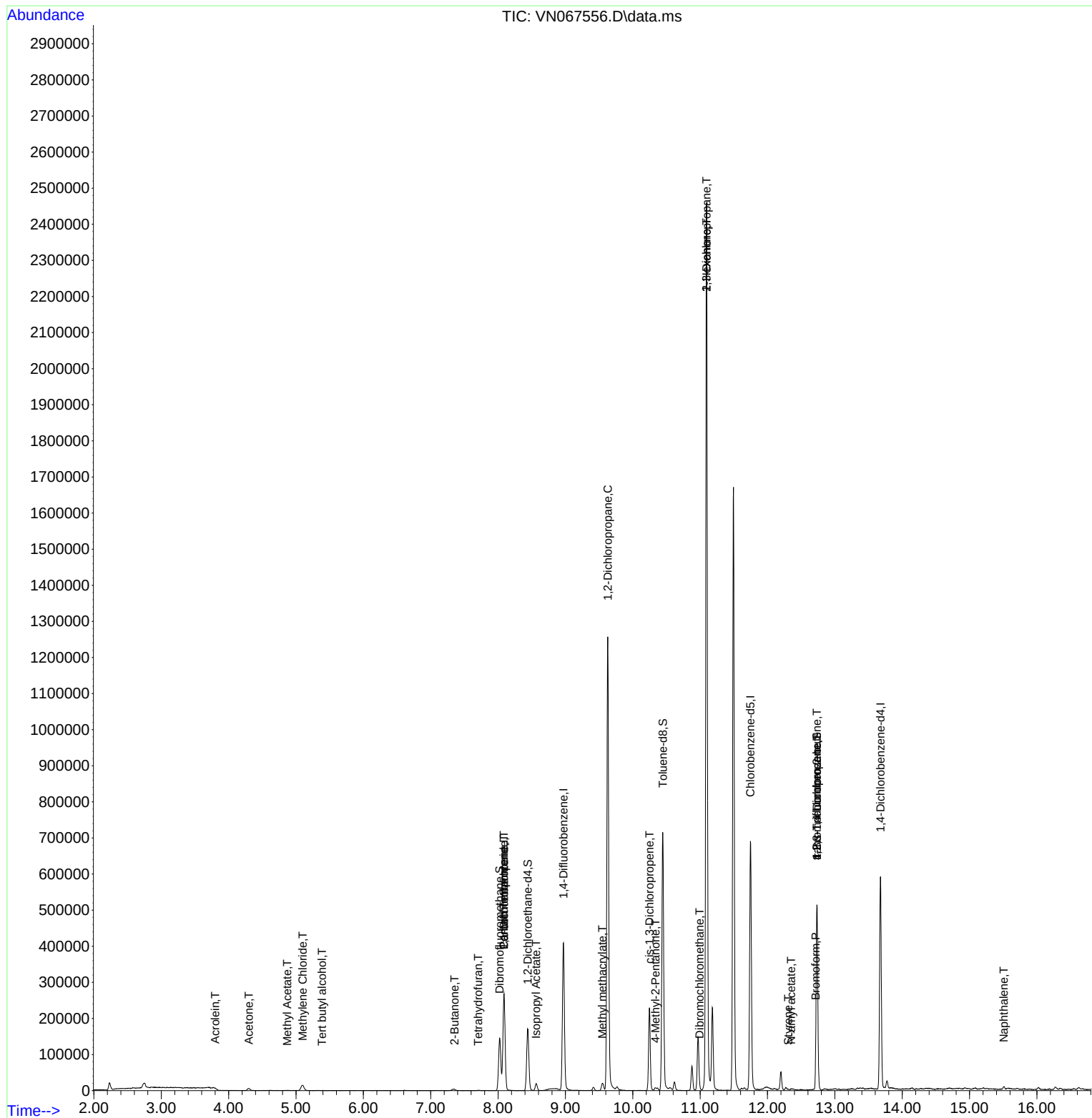
Internal Standards						
1) Pentafluorobenzene	8.088	168	187915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	353113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	414104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	150825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	141421	54.989	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.980%			
35) Dibromofluoromethane	8.024	113	103505	47.278	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.560%			
50) Toluene-d8	10.446	98	507331	57.045	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 114.100%			
62) 4-Bromofluorobenzene	12.733	95	187687	60.418	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 120.840%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.387	59	135	0.352	ug/l #	71
13) Acrolein	3.802	56	83	2.552	ug/l #	1
16) Acetone	4.299	43	11030	13.003	ug/l	93
18) Methyl Acetate	4.870	43	599	0.265	ug/l #	54
20) Methylene Chloride	5.101	84	12380	5.379	ug/l #	82
25) 2-Butanone	7.353	43	4822	3.686	ug/l	97
29) Tetrahydrofuran	7.705	42	417	0.479	ug/l #	63
31) Cyclohexane	8.080	56	2252	Below Cal	#	14
36) 1,1-Dichloropropene	8.088	75	17372	5.449	ug/l #	51
38) Carbon Tetrachloride	8.088	117	21825	6.391	ug/l #	17
43) Isopropyl Acetate	8.566	43	21864	4.372	ug/l #	91
45) 1,2-Dichloropropane	9.630	63	1544	0.639	ug/l #	44
48) Methyl methacrylate	9.547	41	5334	2.436	ug/l #	12
51) 4-Methyl-2-Pentanone	10.338	43	5379	1.783	ug/l	95
54) cis-1,3-Dichloropropene	10.247	75	41126	10.658	ug/l #	56
57) 1,3-Dichloropropane	11.095	76	26447	6.640	ug/l #	43
59) 2-Hexanone	11.095	43	364707	171.232	ug/l #	55
60) Dibromochloromethane	10.993	129	25	2.420	ug/l #	11
70) Styrene	12.307	104	131	1.895	ug/l #	36
71) Bromoform	12.715	173	131	3.506	ug/l #	1
74) N-amyl acetate	12.353	43	1323	0.318	ug/l #	55
76) 1,2,3-Trichloropropane	12.733	75	100958	33.395	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	100958	96.013	ug/l #	6
95) Naphthalene	15.507	128	7364	4.110	ug/l #	92

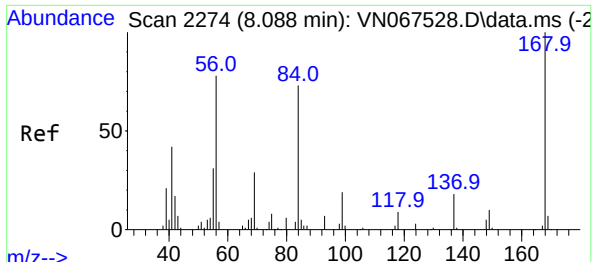
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 28 14:31:03 2021
Response via : Initial Calibration

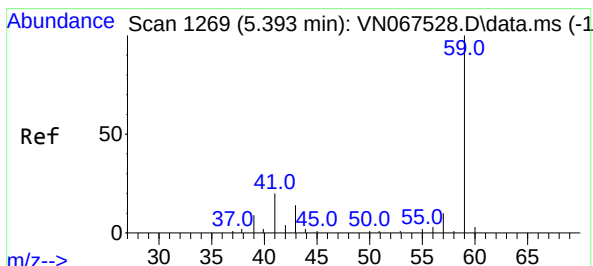
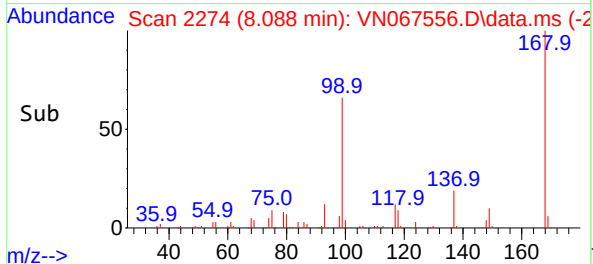
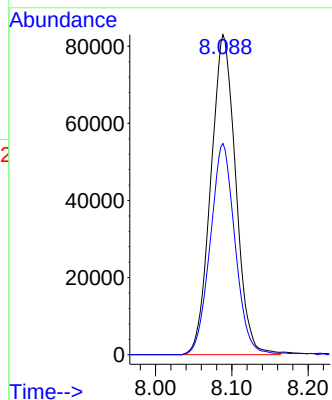
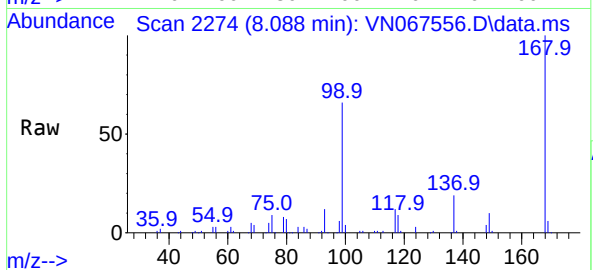




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

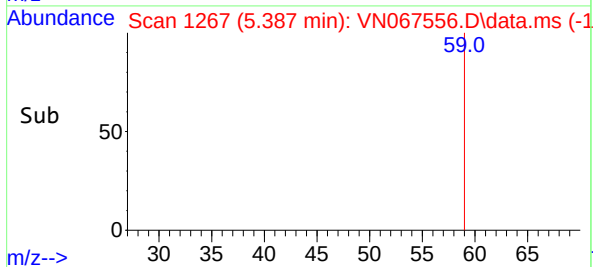
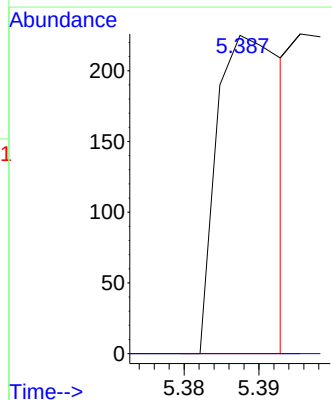
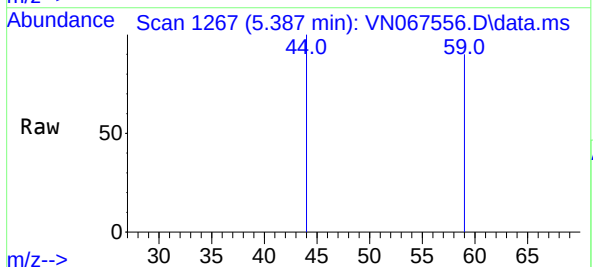
Instrument :
MSVOA_N
ClientSampled :

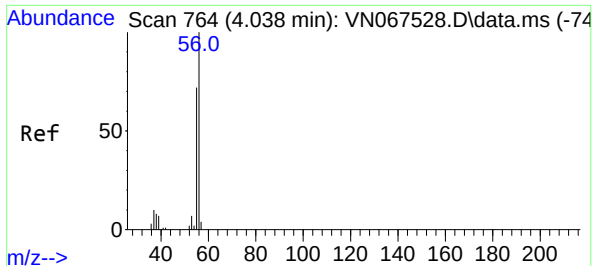
Tgt Ion:168 Resp: 187915
Ion Ratio Lower Upper
168 100
99 66.0 62.9 94.3



#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 5.387 min Scan# 1267
Delta R.T. -0.006 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

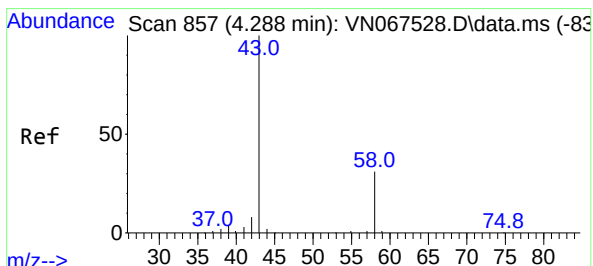
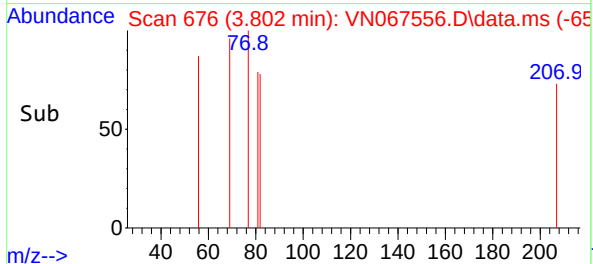
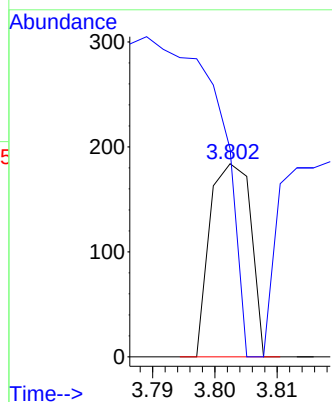
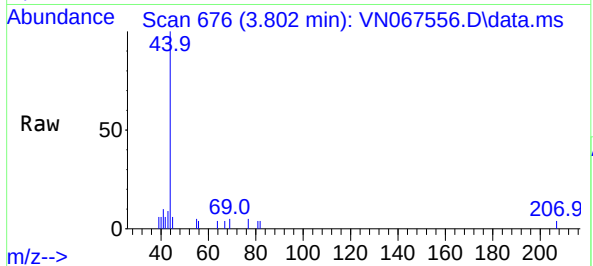




#13
Acrolein
Concen: 2.552 ug/l
RT: 3.802 min Scan# 676
Delta R.T. -0.236 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

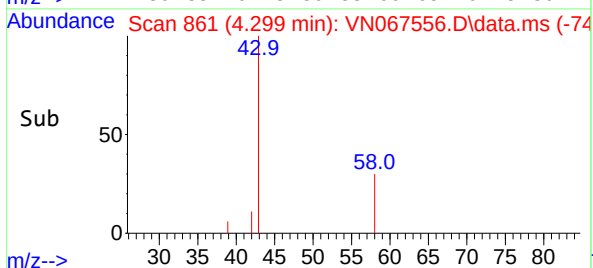
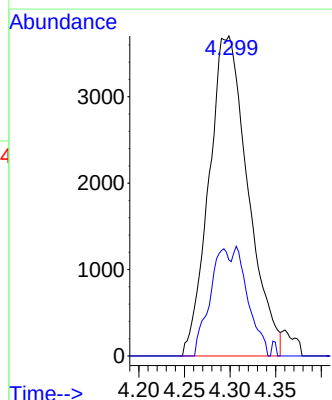
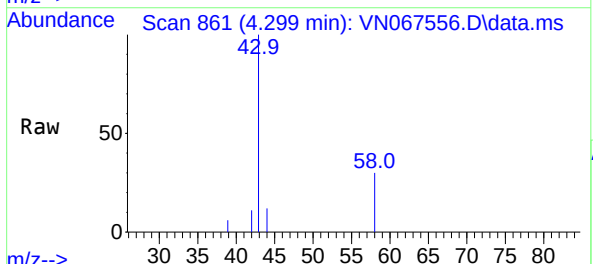
Instrument :
MSVOA_N
ClientSampled :

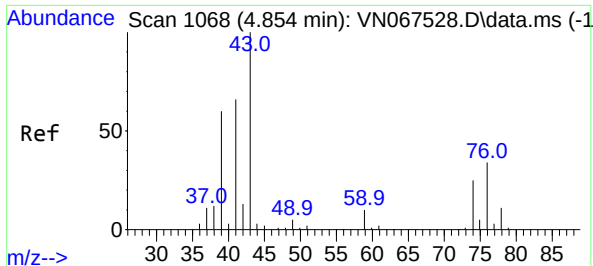
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 249.4 57.4 86.0#



#16
Acetone
Concen: 13.003 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 43 Resp: 11030
Ion Ratio Lower Upper
43 100
58 30.0 21.2 31.8

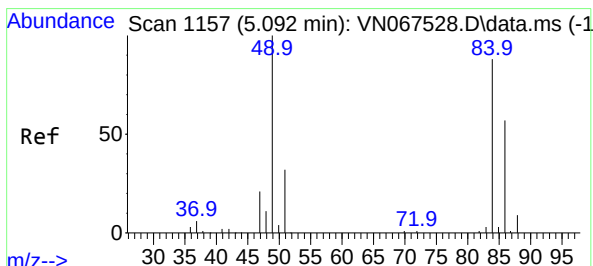
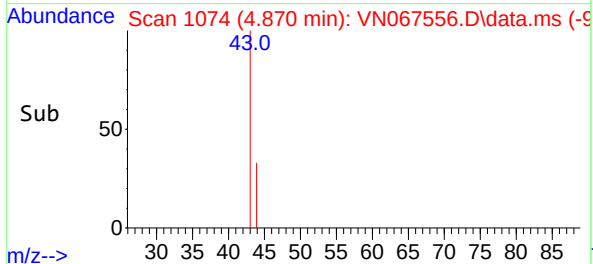
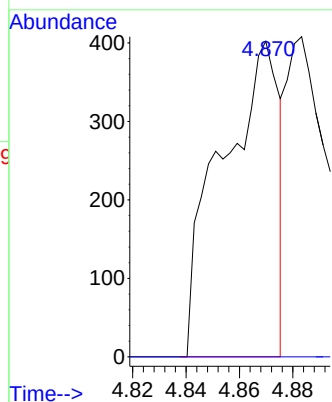
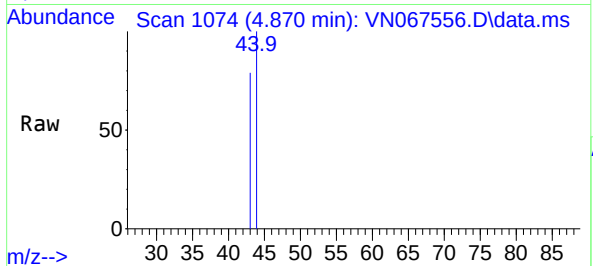




#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

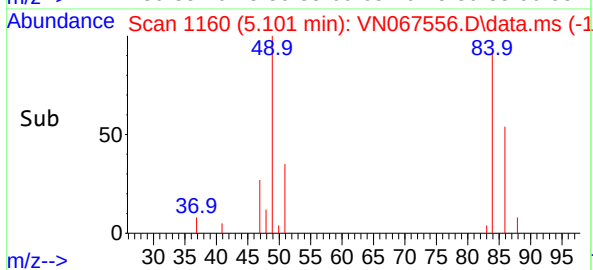
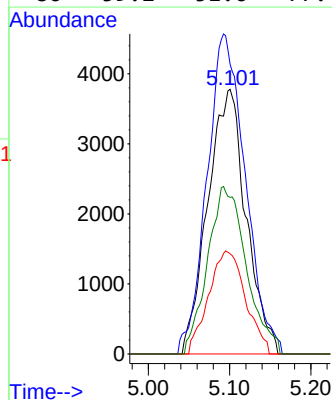
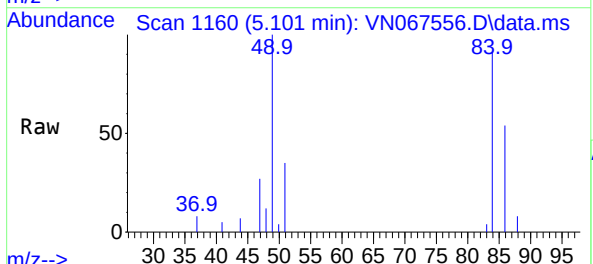
Instrument :
MSVOA_N
ClientSampled :

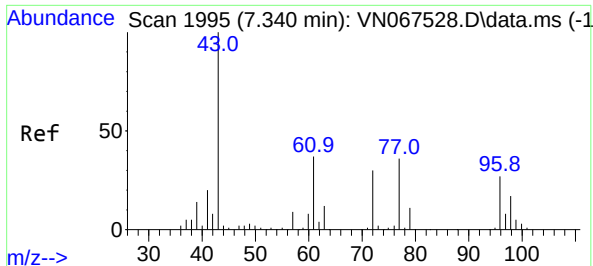
Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 5.379 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.009 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 84 Resp: 12380
Ion Ratio Lower Upper
84 100
49 104.9 110.9 166.3#
51 37.9 32.6 49.0
86 59.2 51.6 77.4

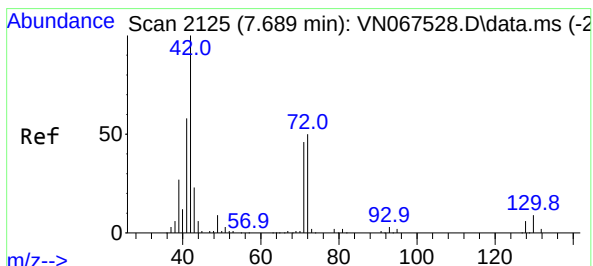
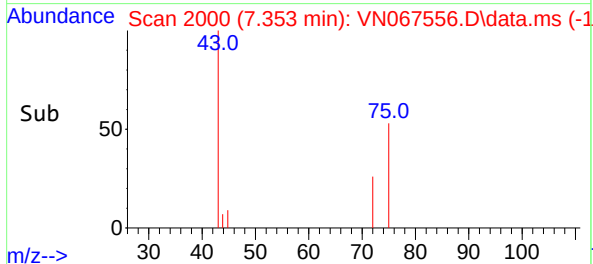
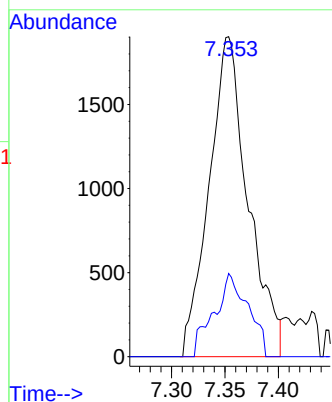
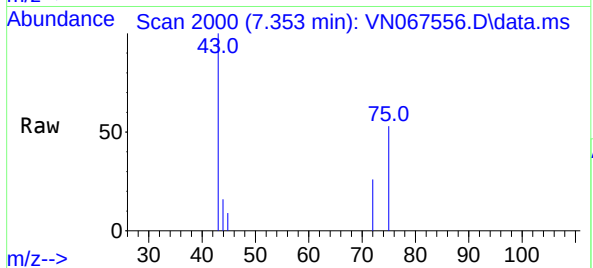




#25
2-Butanone
Concen: 3.686 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

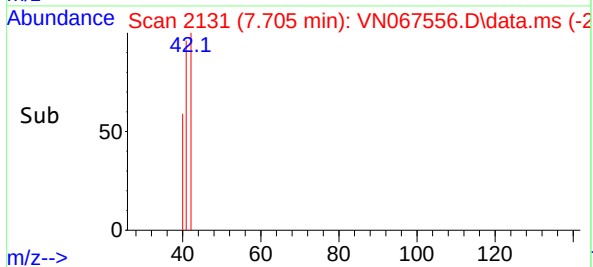
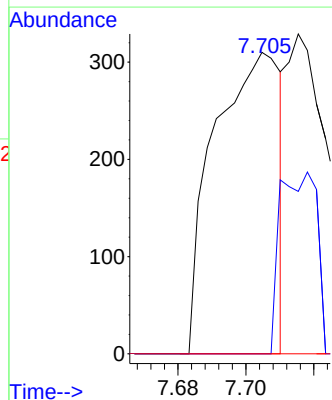
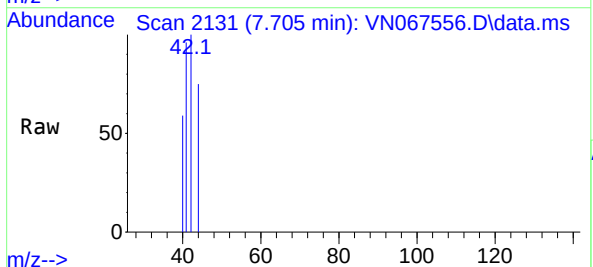
Instrument :
MSVOA_N
ClientSampled :

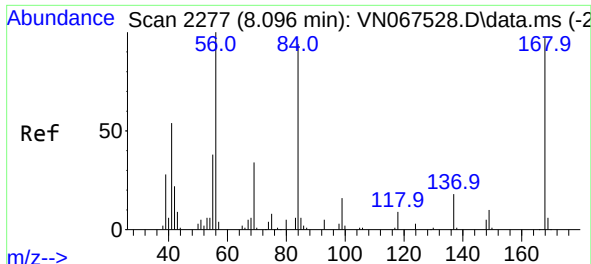
Tgt Ion: 43 Resp: 4822
Ion Ratio Lower Upper
43 100
72 26.0 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.479 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

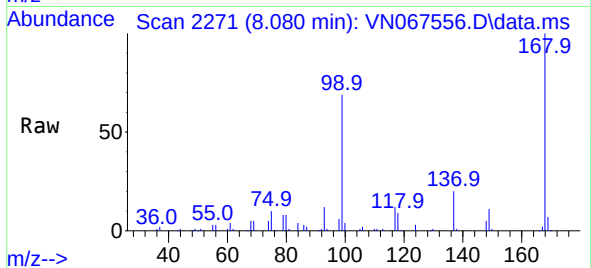
Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 33.8 32.8 49.2
71 0.0 31.2 46.8#



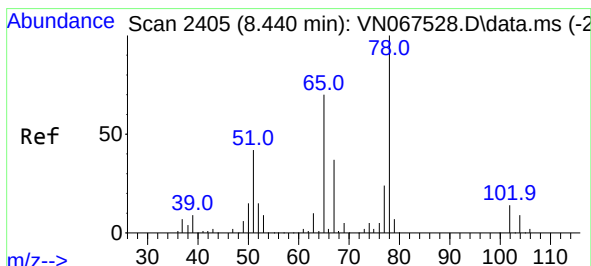
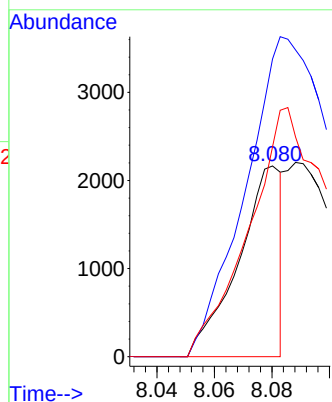
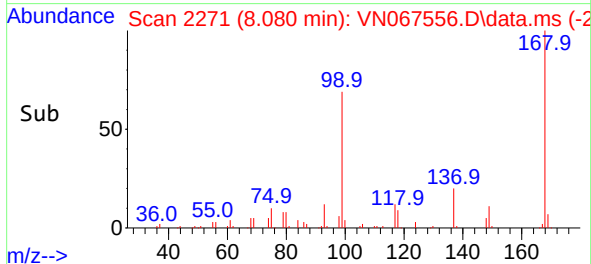


#31
Cyclohexane
Concen: Below Cal
RT: 8.080 min Scan# 2271
Delta R.T. -0.016 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

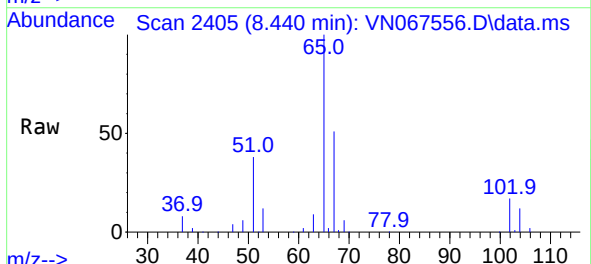
Instrument :
MSVOA_N
ClientSampled :



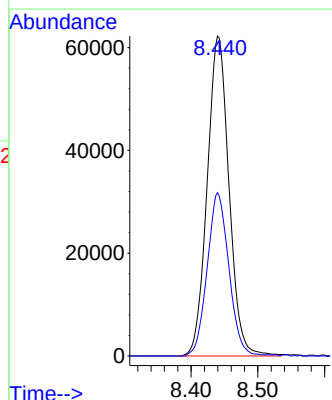
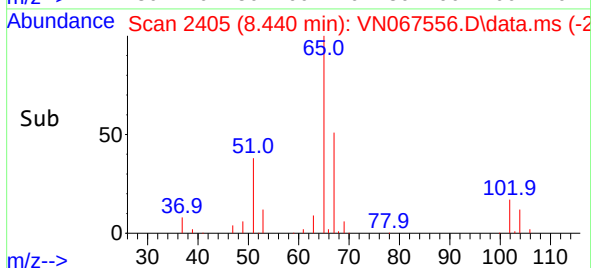
Tgt Ion: 56 Resp: 2252
Ion Ratio Lower Upper
56 100
69 156.0 27.3 40.9#
84 110.0 64.9 97.3#

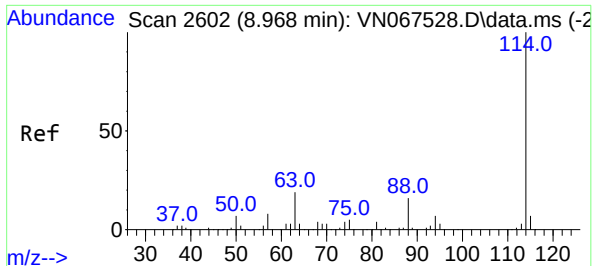


#33
1,2-Dichloroethane-d4
Concen: 54.989 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27



Tgt Ion: 65 Resp: 141421
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

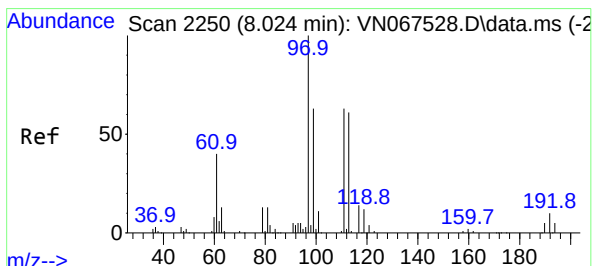
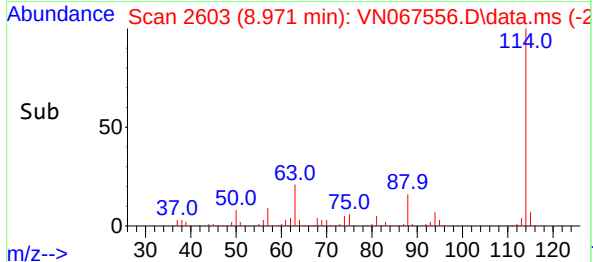
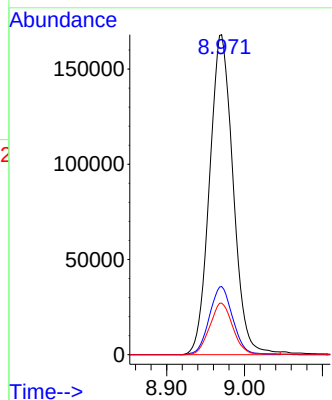
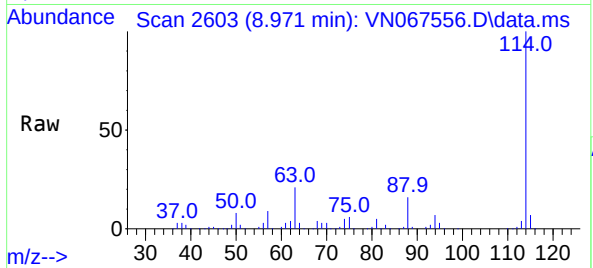




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

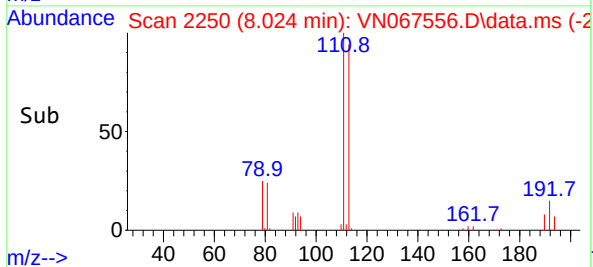
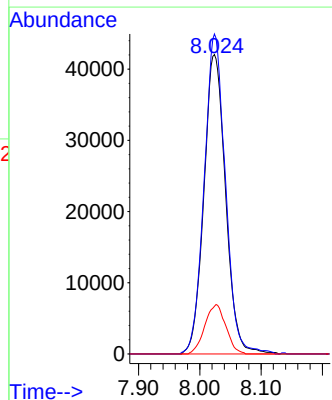
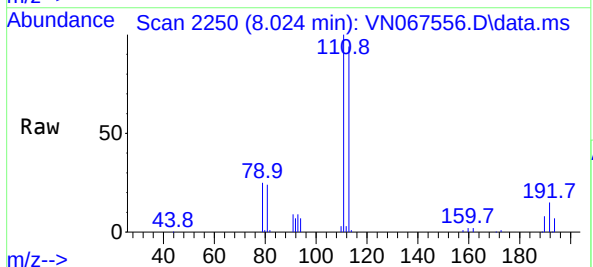
Instrument :
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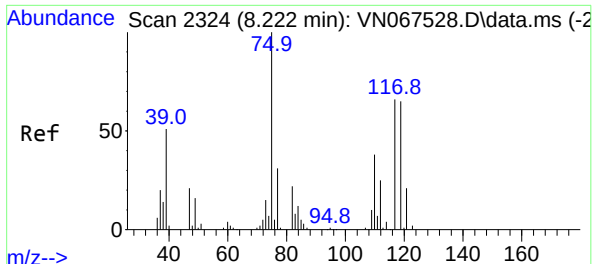
Tgt Ion:114 Resp: 353113
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.278 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion:113 Resp: 103505
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 16.0 13.4 20.0

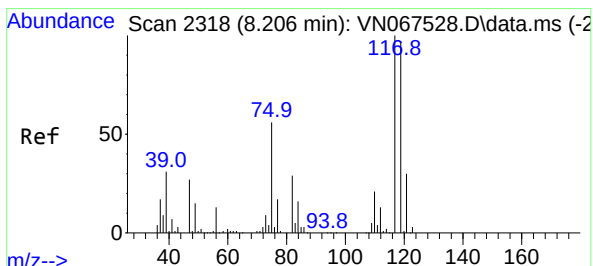
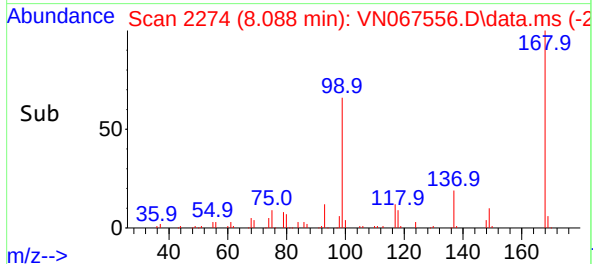
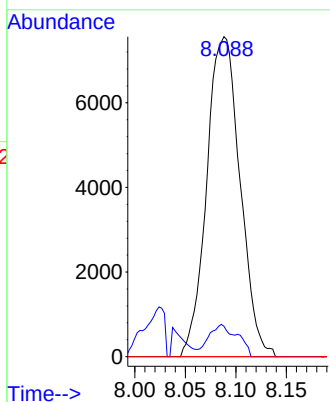
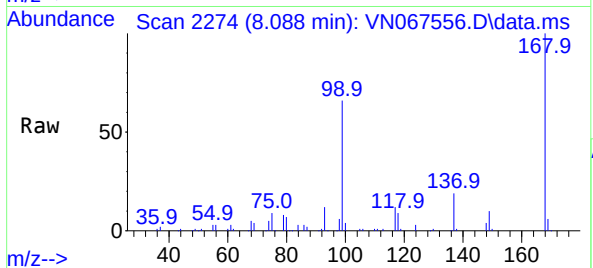




#36
1,1-Dichloropropene
Concen: 5.449 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

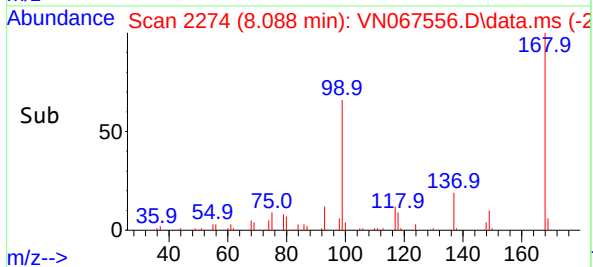
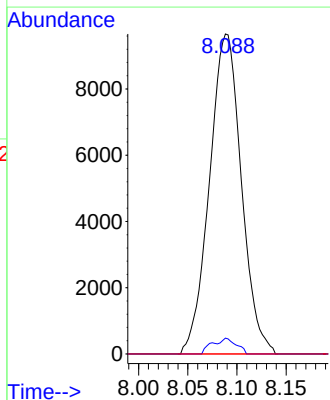
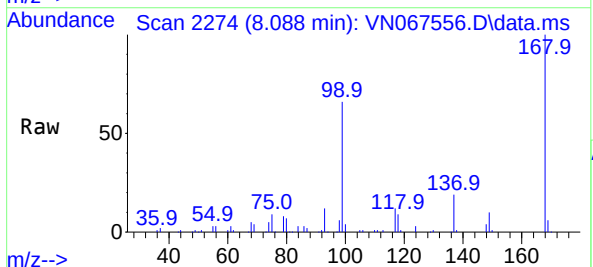
Instrument :
MSVOA_N
ClientSampled :

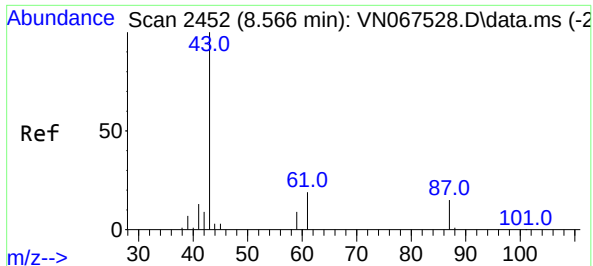
Tgt Ion: 75 Resp: 17372
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.391 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 117 Resp: 21825
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

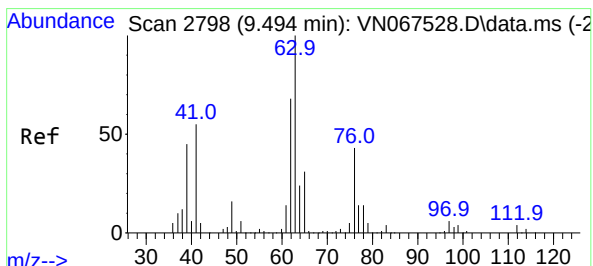
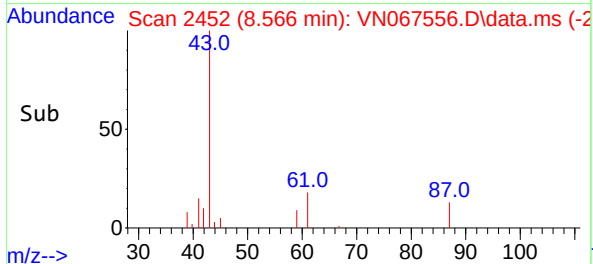
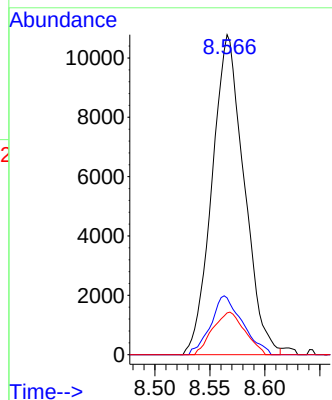
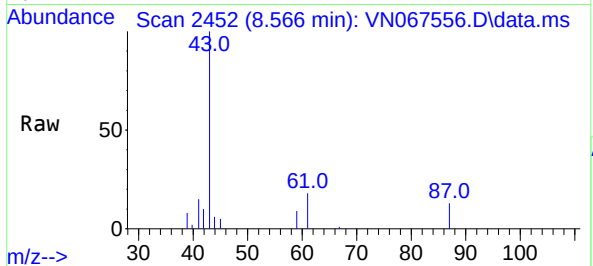




#43
Isopropyl Acetate
Concen: 4.372 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

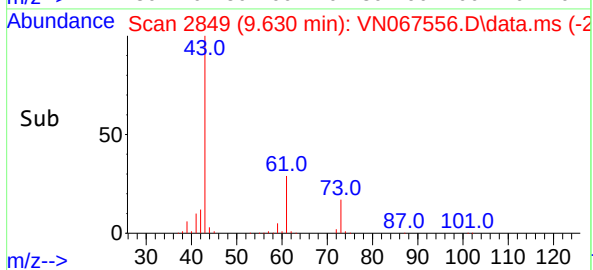
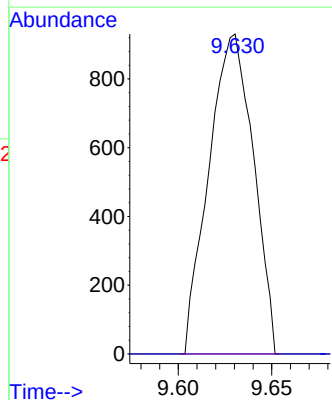
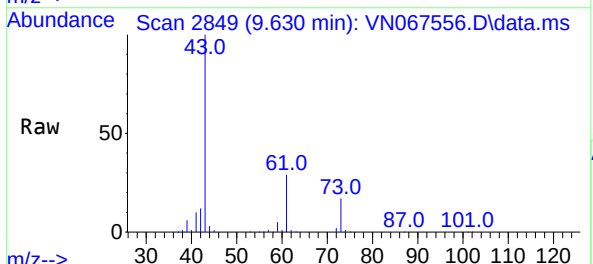
Instrument :
MSVOA_N
ClientSampleId :

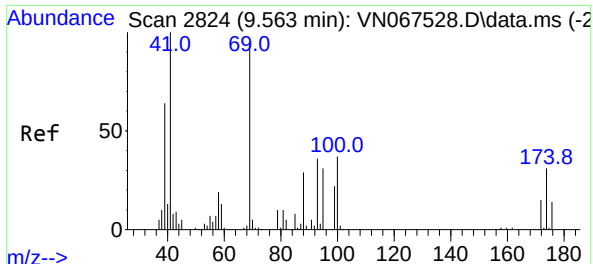
Tgt Ion:	43	Resp:	21864
Ion	Ratio	Lower	Upper
43	100		
61	18.2	19.0	28.4#
87	13.3	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.639 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.136 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion:	63	Resp:	1544
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.3	36.5#

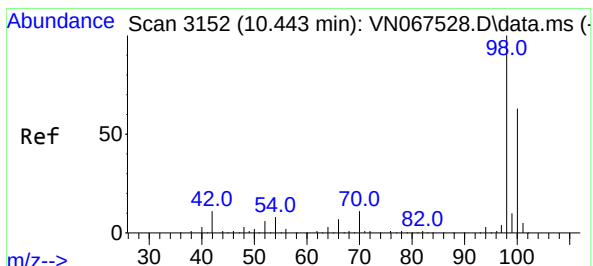
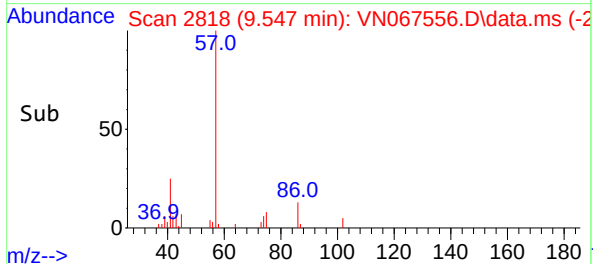
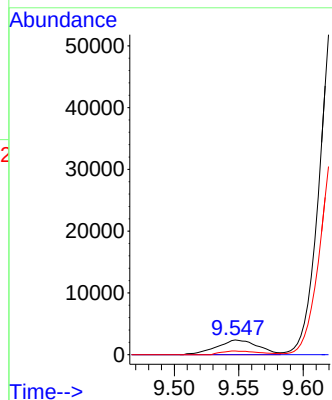
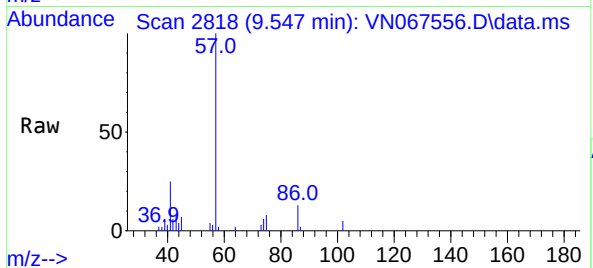




#48
Methyl methacrylate
Concen: 2.436 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

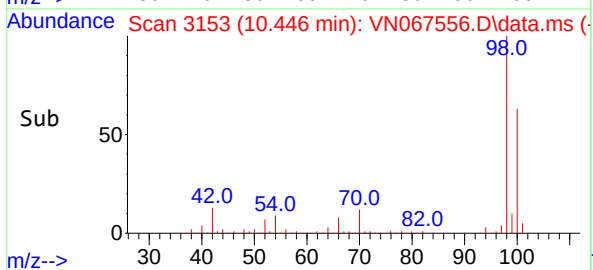
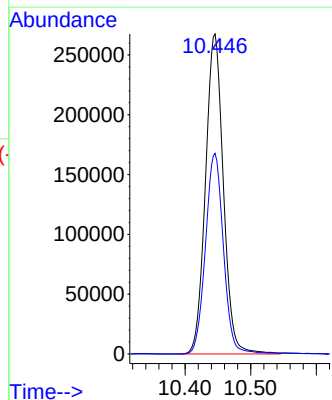
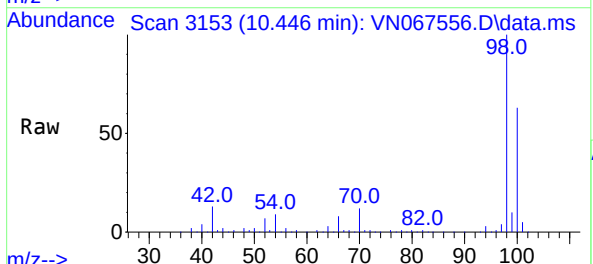
Instrument :
MSVOA_N
ClientSampleId :

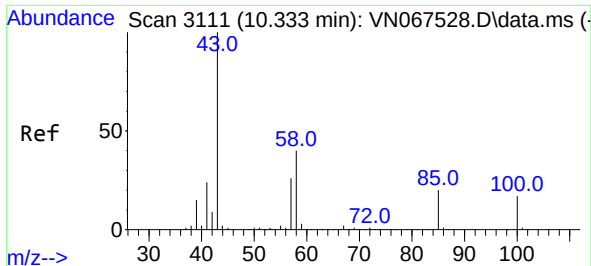
Tgt Ion: 41 Resp: 5334
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 57.045 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 98 Resp: 507331
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5

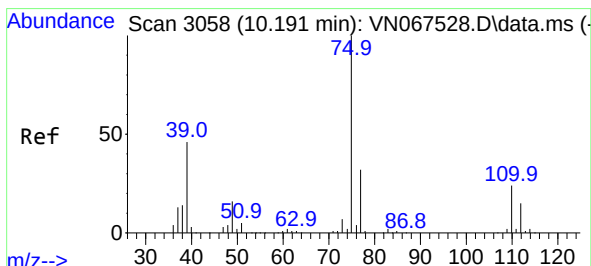
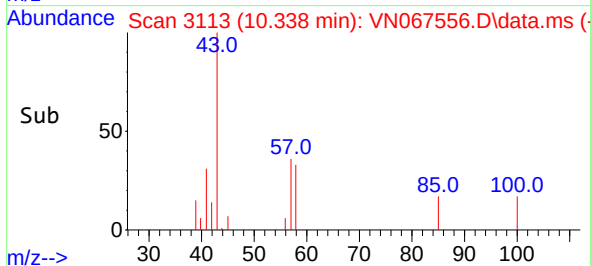
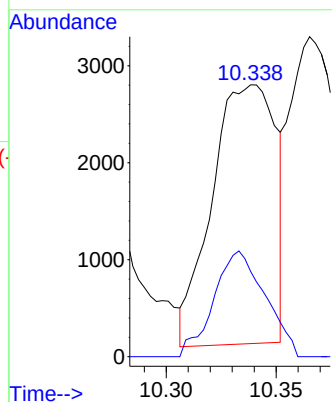
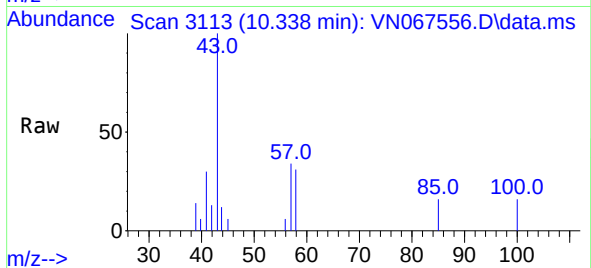




#51
4-Methyl-2-Pentanone
Concen: 1.783 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

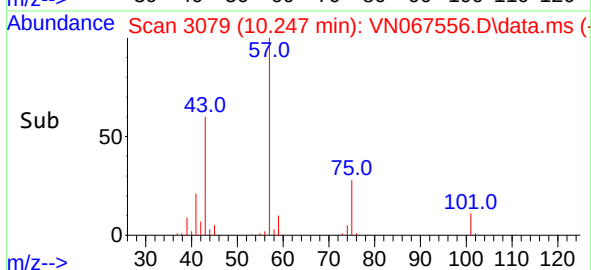
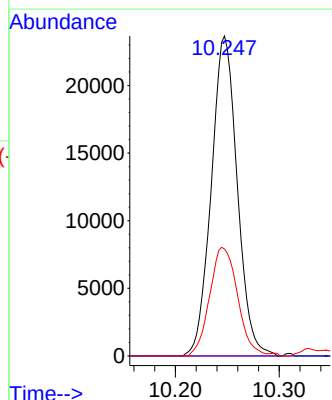
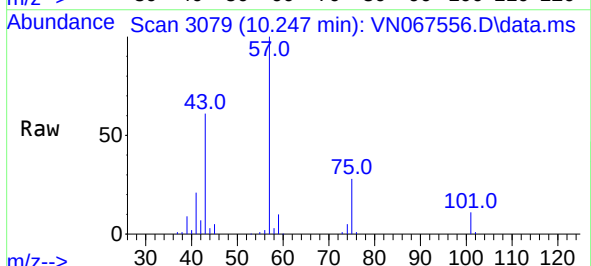
Instrument :
MSVOA_N
ClientSampled :

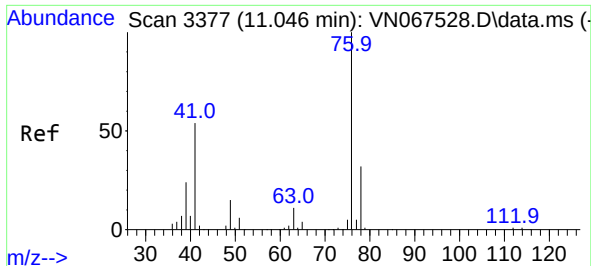
Tgt Ion: 43 Resp: 5379
Ion Ratio Lower Upper
43 100
58 33.0 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 10.658 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 75 Resp: 41126
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 33.4 50.7 76.1#

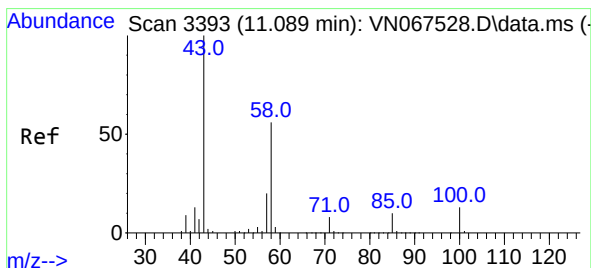
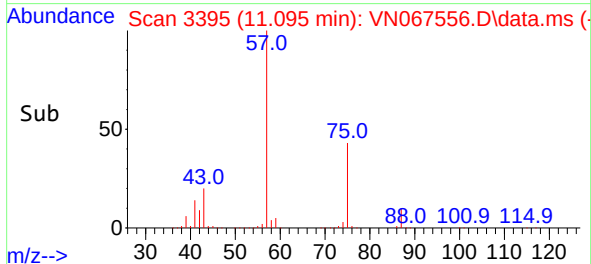
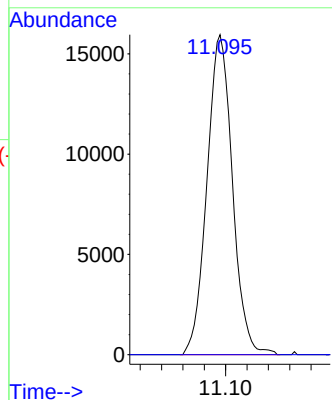
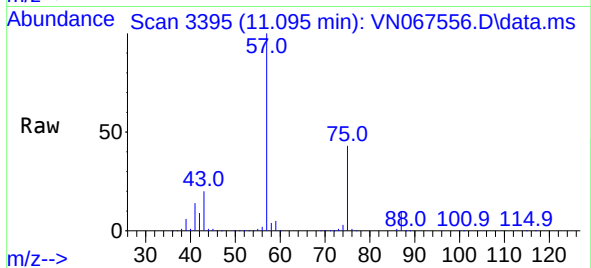




#57
1,3-Dichloropropane
Concen: 6.640 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

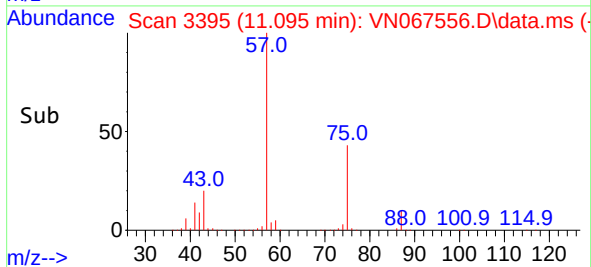
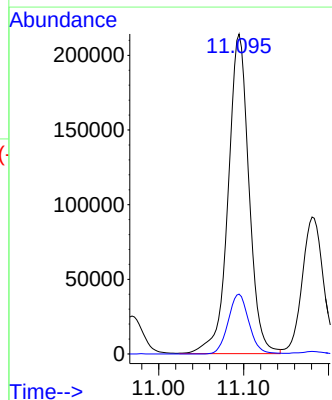
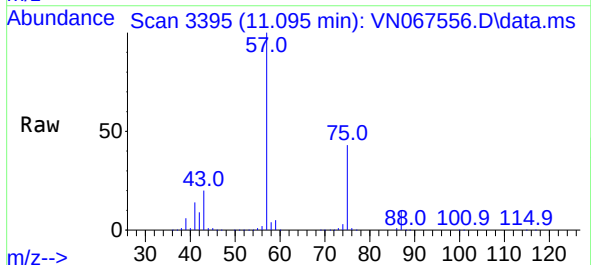
Instrument :
MSVOA_N
ClientSampled :

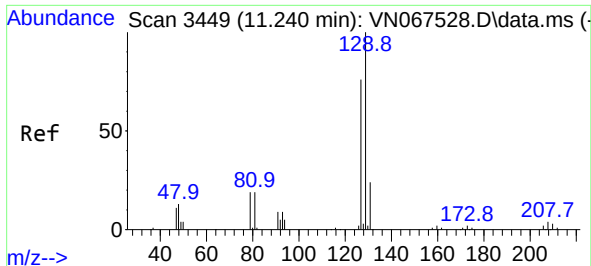
Tgt Ion: 76 Resp: 26447
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 171.232 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 43 Resp: 364707
Ion Ratio Lower Upper
43 100
58 18.7 24.7 74.1#

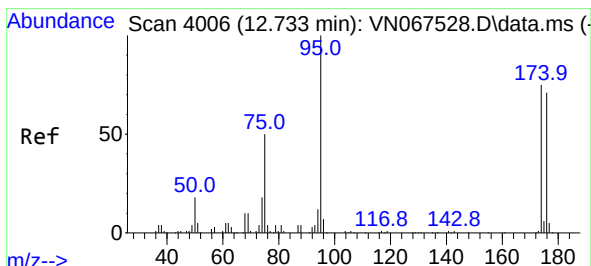
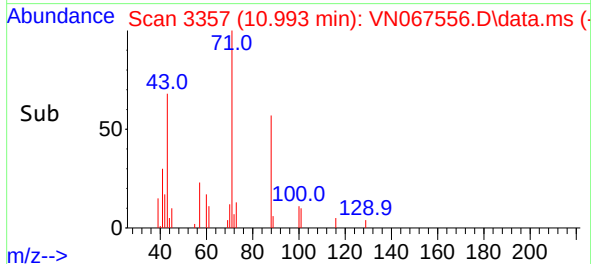
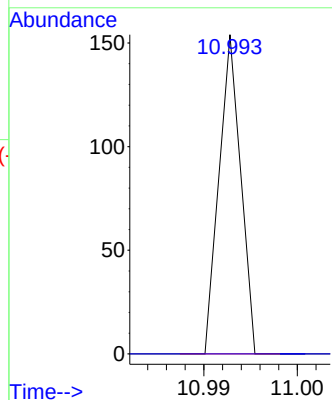
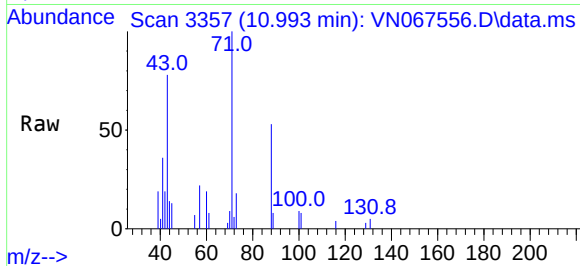




#60
Dibromochloromethane
Concen: 2.420 ug/l
RT: 10.993 min Scan# 3357
Delta R.T. -0.247 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

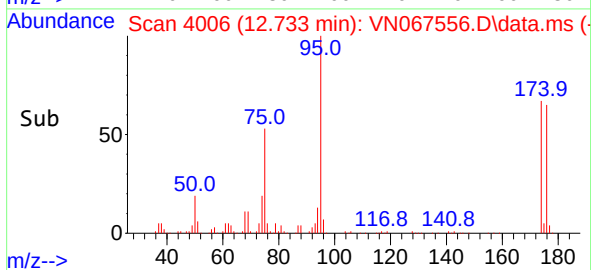
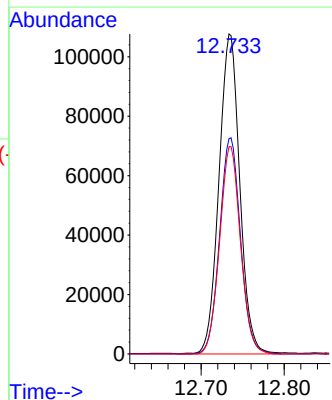
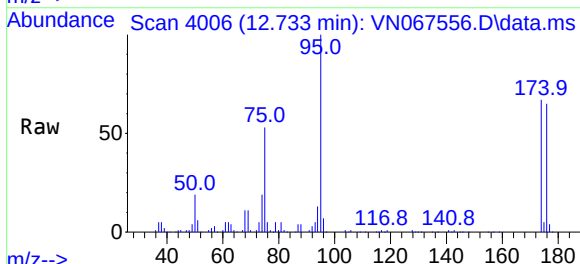
Instrument :
MSVOA_N
ClientSampled :

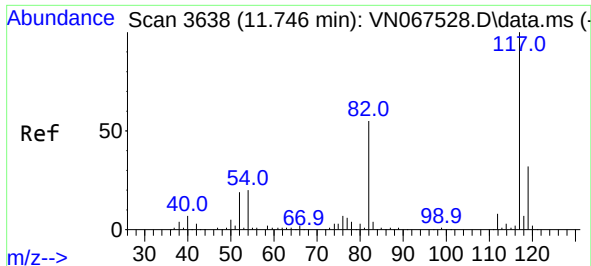
Tgt Ion:129 Resp: 25
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 60.418 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 95 Resp: 187687
Ion Ratio Lower Upper
95 100
174 67.9 0.0 122.0
176 64.8 0.0 117.6

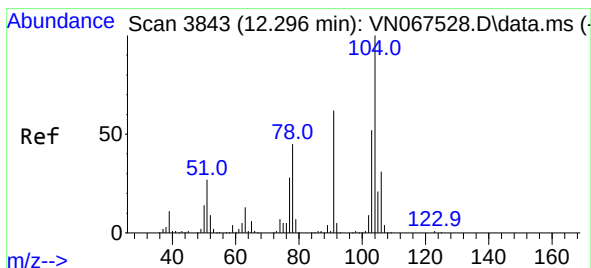
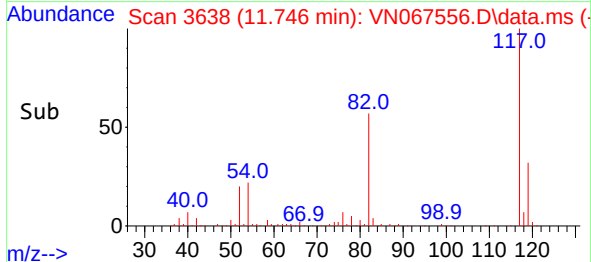
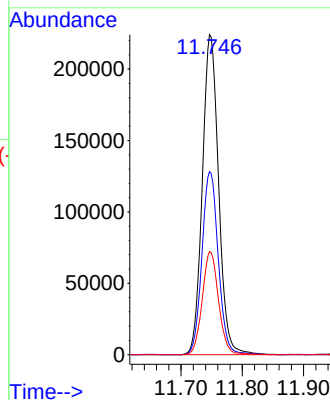
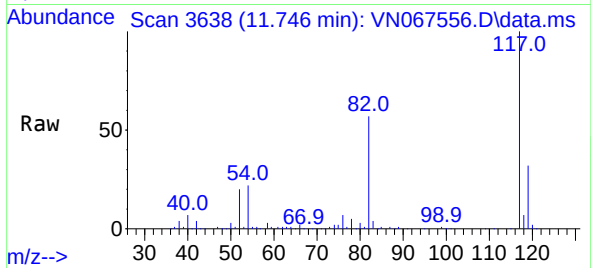




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

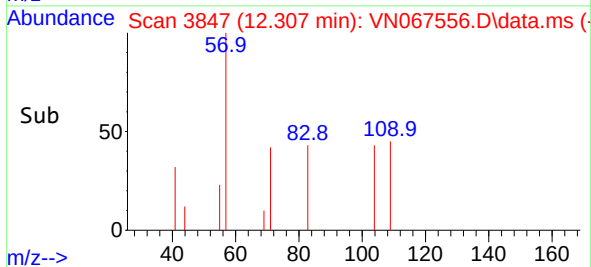
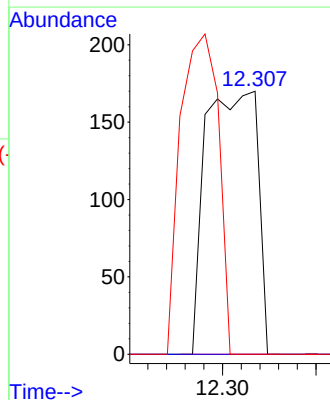
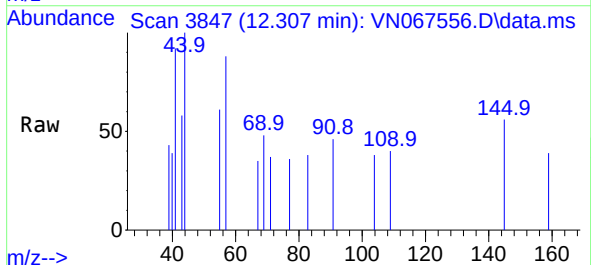
Instrument :
MSVOA_N
ClientSampleId :

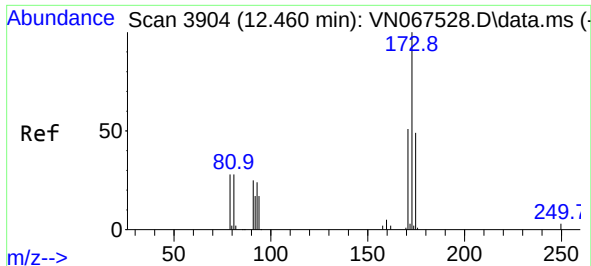
Tgt Ion:117 Resp: 414104
Ion Ratio Lower Upper
117 100
82 57.2 53.1 79.7
119 32.2 25.5 38.3



#70
Styrene
Concen: 1.895 ug/l
RT: 12.307 min Scan# 3847
Delta R.T. 0.011 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion:104 Resp: 131
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 89.3 44.5 66.7#

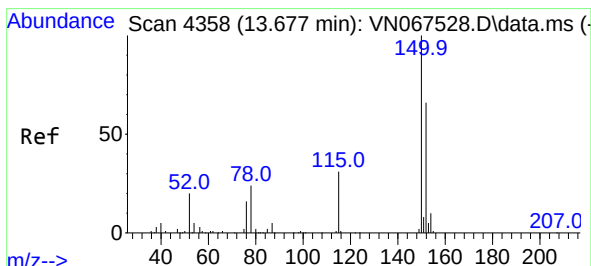
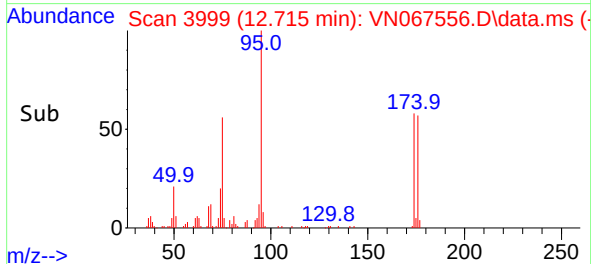
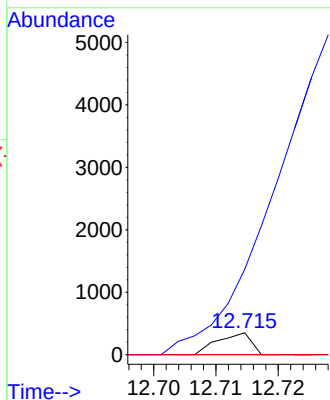
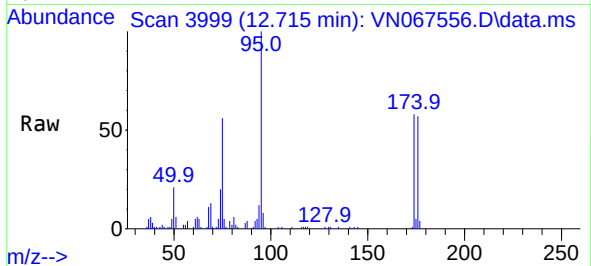




#71
Bromoform
Concen: 3.506 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

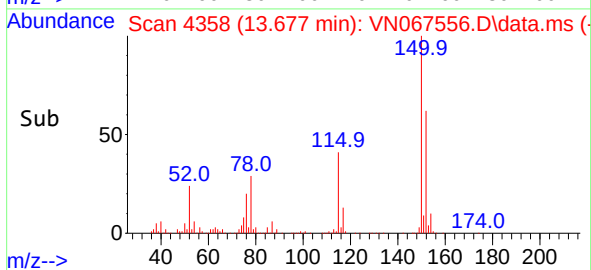
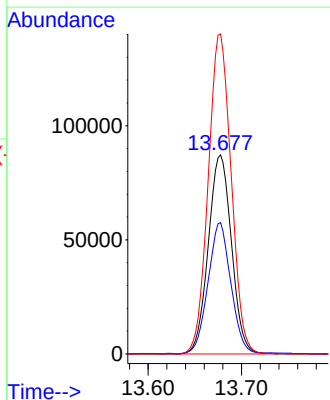
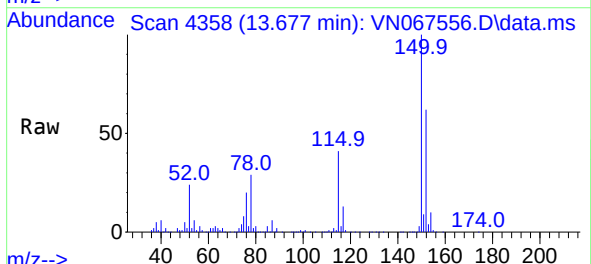
Instrument :
MSVOA_N
ClientSampled :

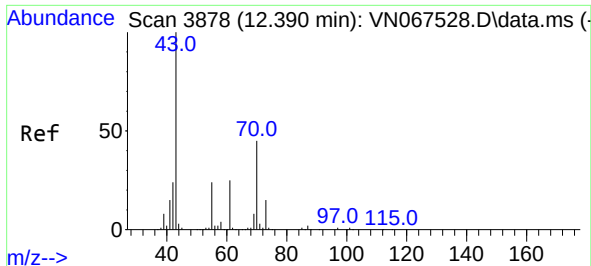
Tgt Ion:173 Resp: 131
Ion Ratio Lower Upper
173 100
175 7178.6 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

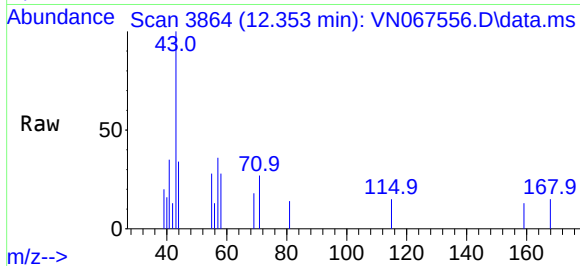
Tgt Ion:152 Resp: 150825
Ion Ratio Lower Upper
152 100
115 65.0 36.1 108.5
150 158.8 0.0 351.8



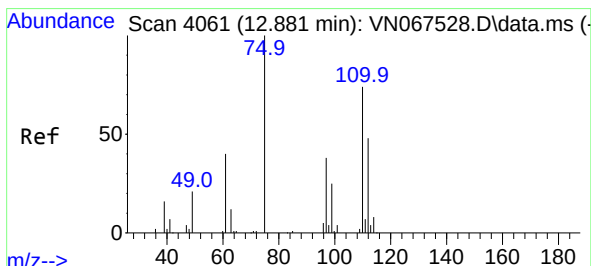
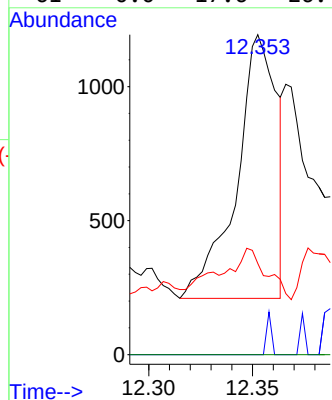
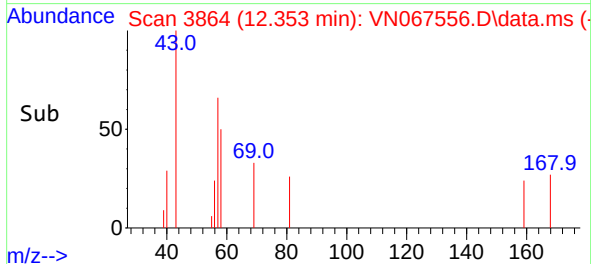


#74
N-amy1 acetate
Concen: 0.318 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.037 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

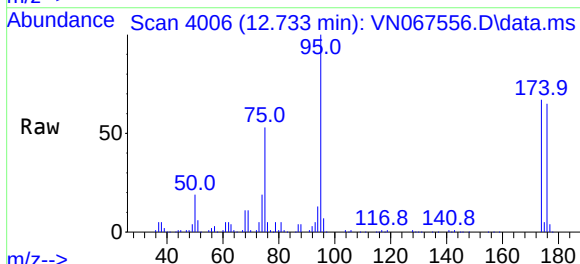
Instrument :
MSVOA_N
ClientSampleId :



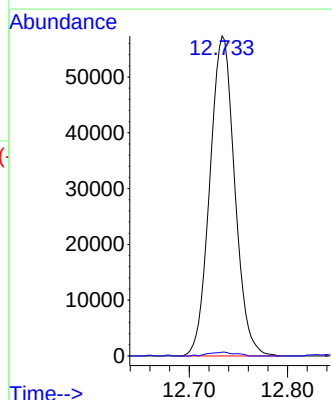
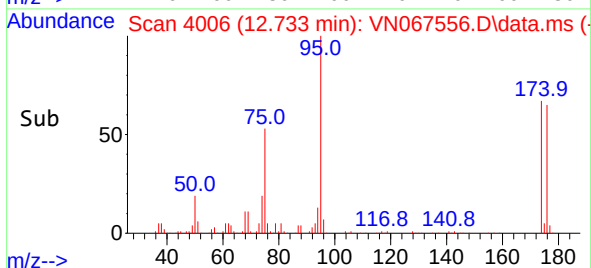
Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
70 2.0 29.4 44.2#
55 12.5 17.0 25.4#
61 0.0 17.6 26.4#

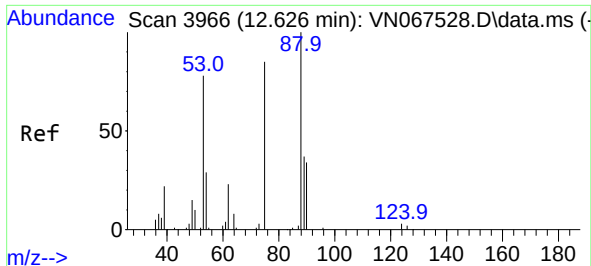


#76
1,2,3-Trichloropropane
Concen: 33.395 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27



Tgt Ion: 75 Resp: 100958
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

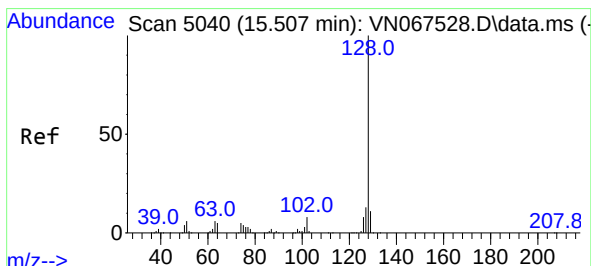
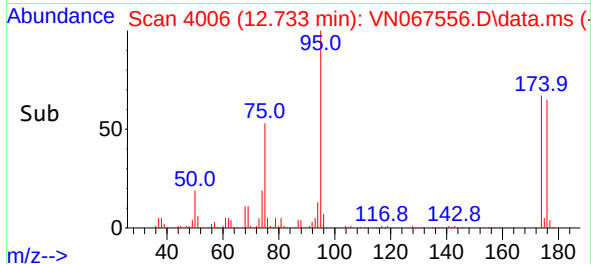
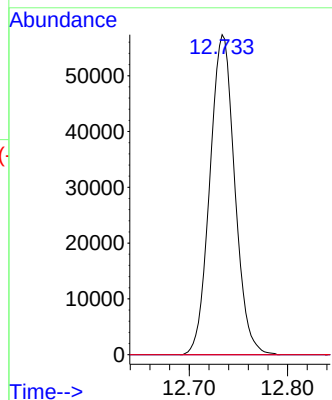
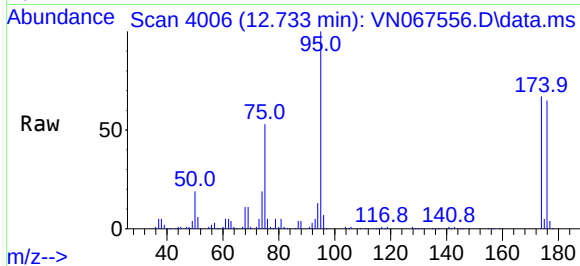




#81
trans-1,4-Dichloro-2-butene
Concen: 96.013 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 100958
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 4.110 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067556.D
Acq: 29 Jun 2021 16:27

Tgt Ion: 128 Resp: 7364
Ion Ratio Lower Upper
128 100
127 15.6 10.6 15.8
129 14.8 8.6 12.8#

