

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067427.D
 Acq On : 21 Jun 2021 19:28
 Operator : JC/MD
 Sample : M2764-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-250EM-002

Quant Time: Jun 22 03:13:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

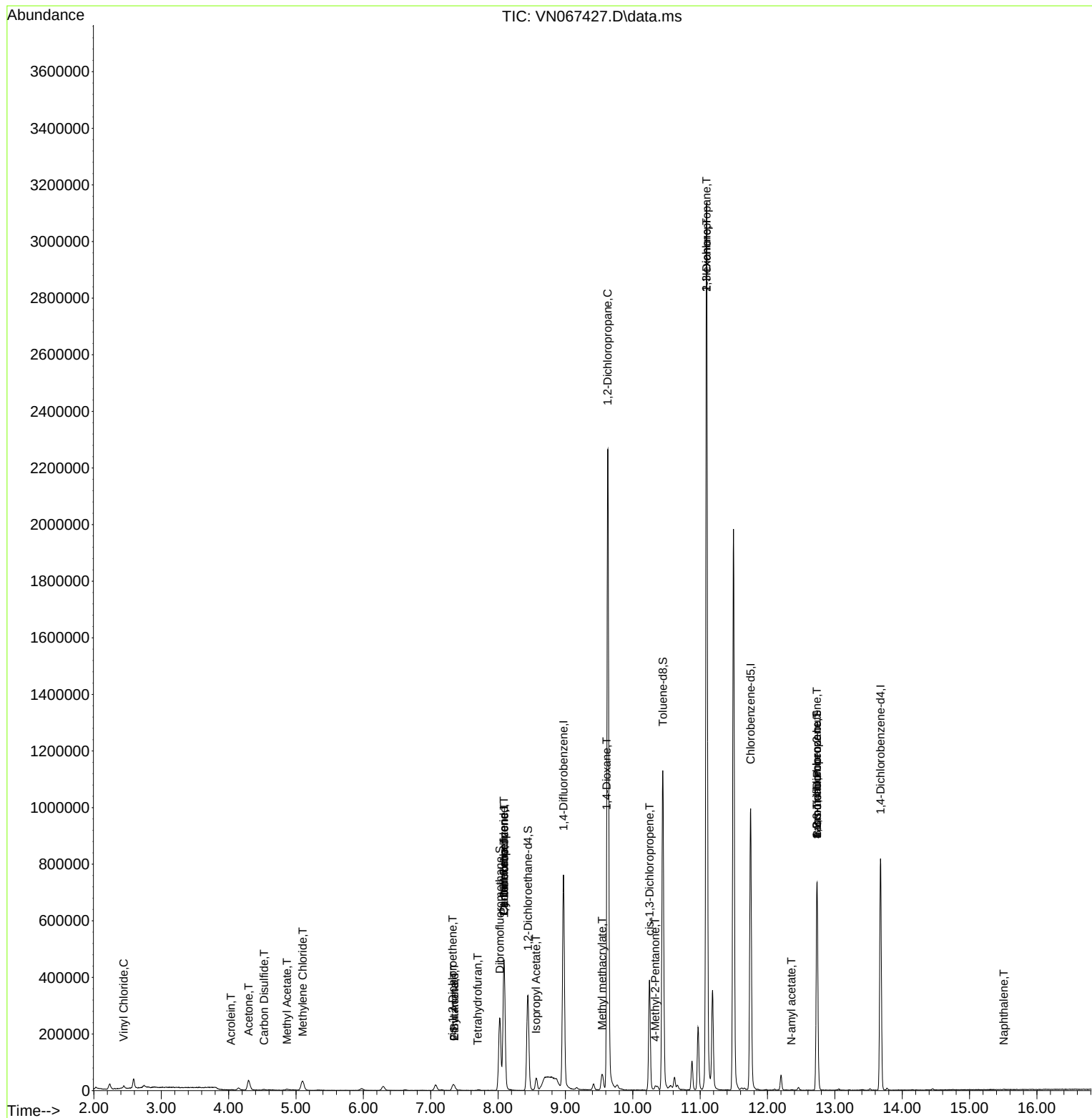
Internal Standards						
1) Pentafluorobenzene	8.088	168	285023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	598469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	522493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	182904	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	288076	51.23	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.46%			
35) Dibromofluoromethane	8.027	113	187331	47.06	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.12%			
50) Toluene-d8	10.446	98	777520	50.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.94%			
62) 4-Bromofluorobenzene	12.734	95	275320	43.73	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.46%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.443	62	8173	1.93	ug/l	100
13) Acrolein	4.036	56	583	1.01	ug/l #	1
16) Acetone	4.296	43	61664	28.58	ug/l #	89
17) Carbon Disulfide	4.527	76	4671	0.42	ug/l	97
18) Methyl Acetate	4.867	43	7949	1.52	ug/l #	82
20) Methylene Chloride	5.098	84	25583	5.70	ug/l	94
25) 2-Butanone	7.351	43	19811	6.43	ug/l	94
27) cis-1,2-Dichloroethene	7.327	96	3525	0.79	ug/l	74
29) Tetrahydrofuran	7.697	42	662	0.34	ug/l #	80
31) Cyclohexane	8.088	56	10354	1.35	ug/l #	32
36) 1,1-Dichloropropene	8.091	75	34498	5.14	ug/l #	50
37) Ethyl Acetate	7.351	43	19811	2.79	ug/l #	70
38) Carbon Tetrachloride	8.088	117	36903	5.12	ug/l #	16
43) Isopropyl Acetate	8.566	43	50615	3.97	ug/l #	92
45) 1,2-Dichloropropane	9.628	63	2782	0.56	ug/l #	44
48) Methyl methacrylate	9.545	41	17591	3.02	ug/l #	33
49) 1,4-Dioxane	9.612	88	78	0.98	ug/l #	20
51) 4-Methyl-2-Pentanone	10.333	43	8124	1.11	ug/l #	80
54) cis-1,3-Dichloropropene	10.247	75	69763	8.18	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	32007	3.85	ug/l #	43
59) 2-Hexanone	11.095	43	517226	96.11	ug/l #	53
71) Bromoform	12.736	173	2043	0.63	ug/l #	1
74) N-amyl acetate	12.355	43	1772	0.21	ug/l #	47
76) 1,2,3-Trichloropropane	12.734	75	159395	33.56	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	159395	83.17	ug/l #	6
95) Naphthalene	15.507	128	511	2.65	ug/l #	69

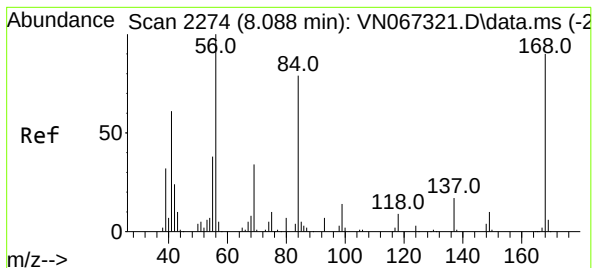
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067427.D

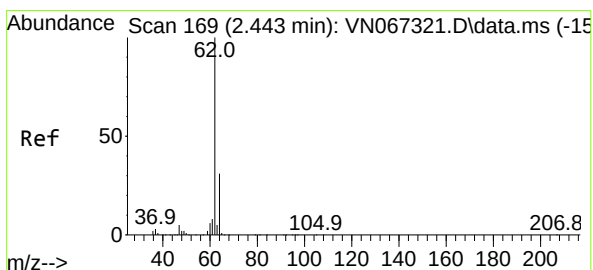
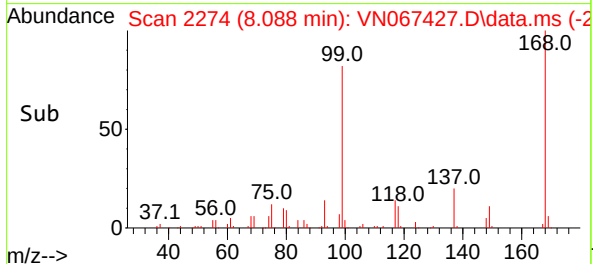
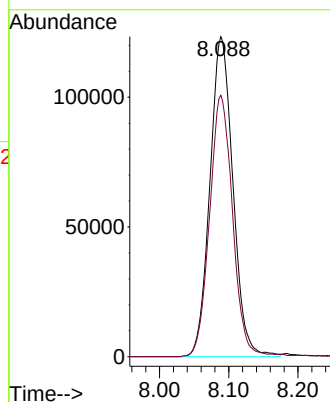
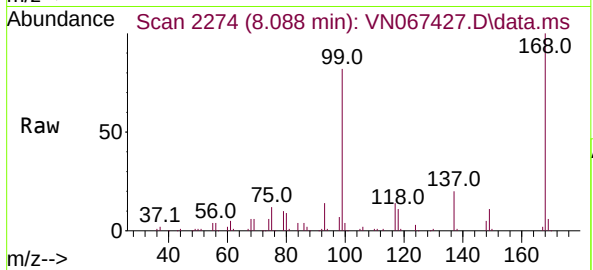
Acq: 21 Jun 2021 19:28

Tgt Ion:168 Resp: 285023

Ion Ratio Lower Upper

168 100

99 81.7 62.9 94.3



#4

Vinyl Chloride

Concen: 1.93 ug/l

RT: 2.443 min Scan# 169

Delta R.T. -0.000 min

Lab File: VN067427.D

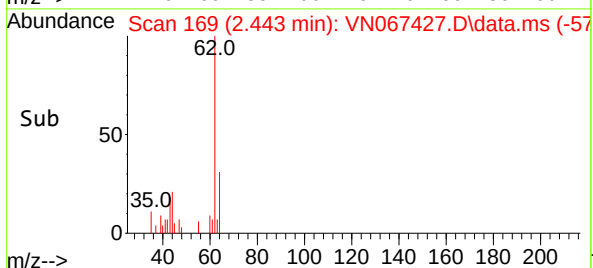
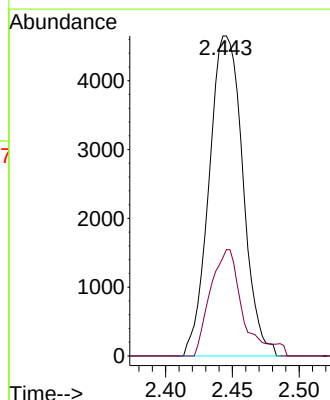
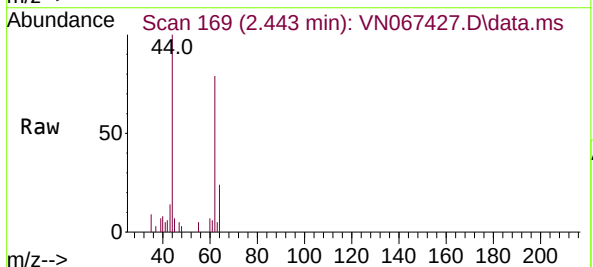
Acq: 21 Jun 2021 19:28

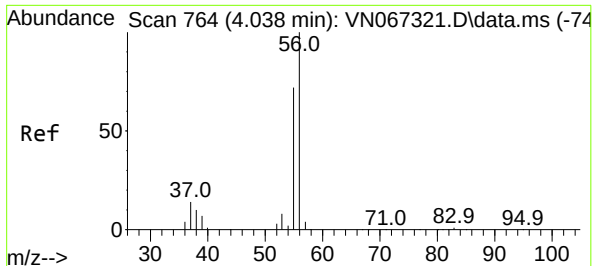
Tgt Ion: 62 Resp: 8173

Ion Ratio Lower Upper

62 100

64 30.7 24.4 36.6

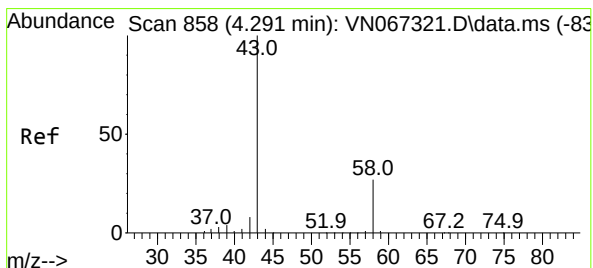
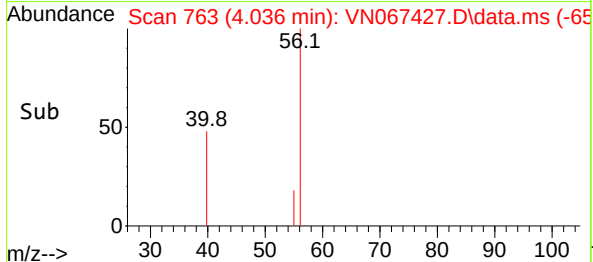
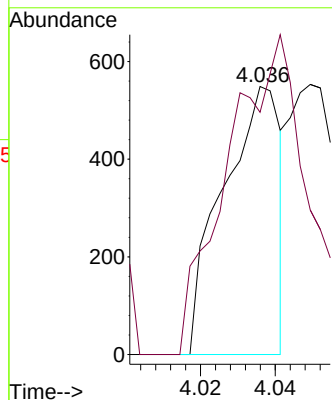
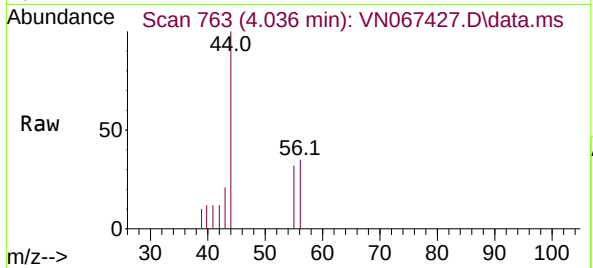




#13
Acrolein
Concen: 1.01 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.002 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

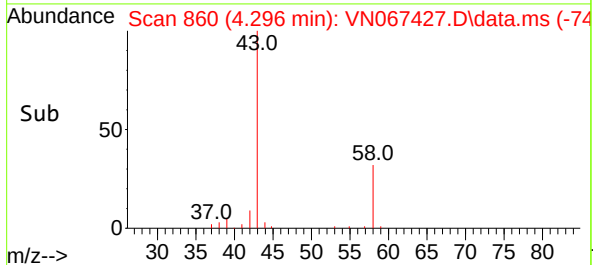
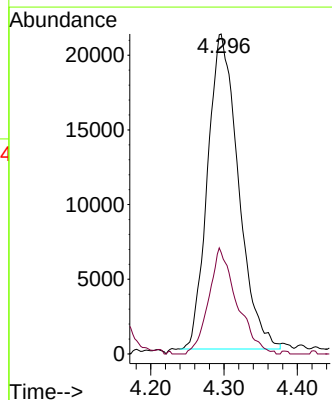
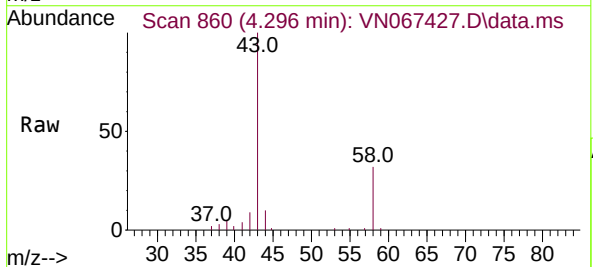
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

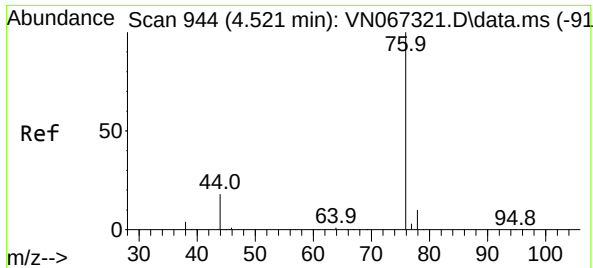
Tgt Ion: 56 Resp: 583
Ion Ratio Lower Upper
56 100
55 165.4 57.4 86.0#



#16
Acetone
Concen: 28.58 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 43 Resp: 61664
Ion Ratio Lower Upper
43 100
58 32.2 21.2 31.8#

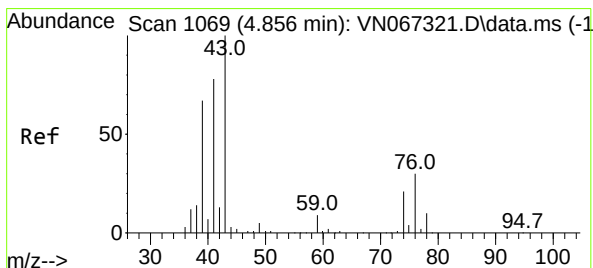
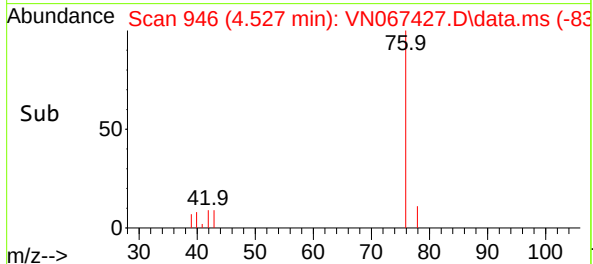
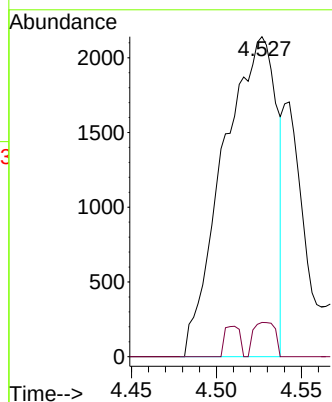
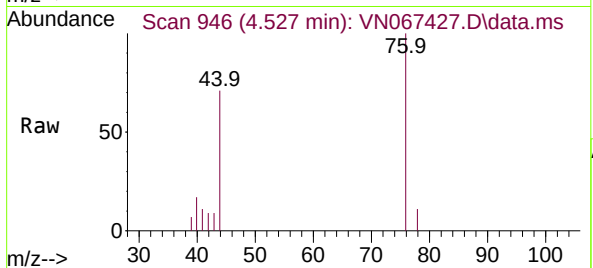




#17
Carbon Disulfide
Concen: 0.42 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.006 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

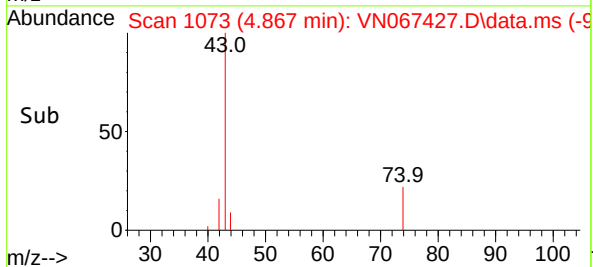
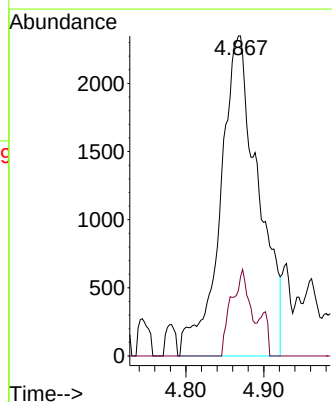
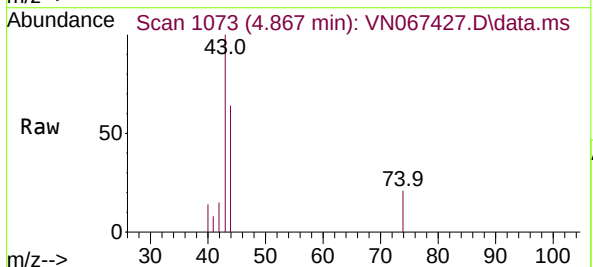
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

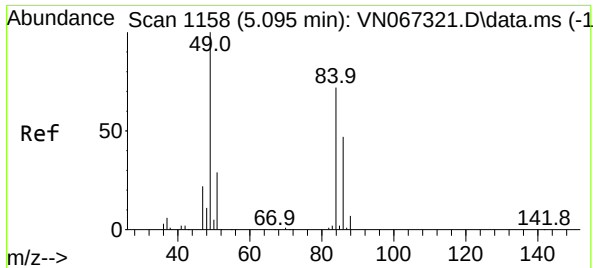
Tgt Ion: 76 Resp: 4671
Ion Ratio Lower Upper
76 100
78 10.7 7.7 11.5



#18
Methyl Acetate
Concen: 1.52 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 43 Resp: 7949
Ion Ratio Lower Upper
43 100
74 13.0 17.4 26.0#

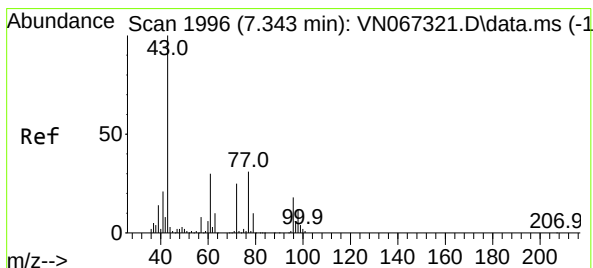
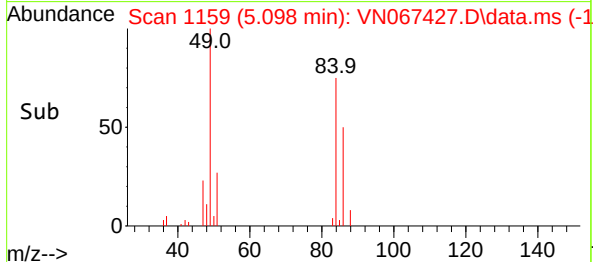
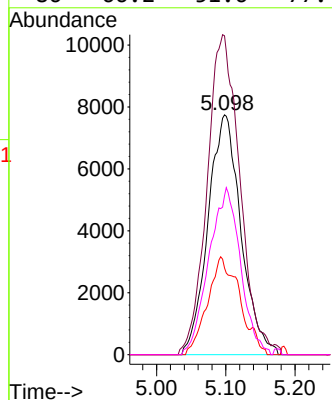
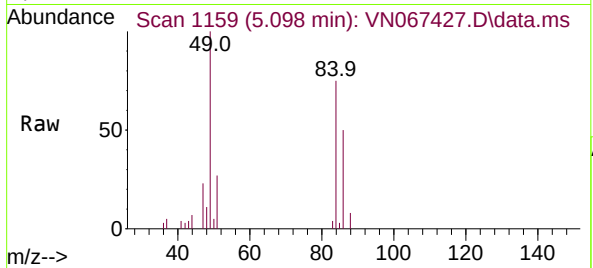




#20
Methylene Chloride
Concen: 5.70 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

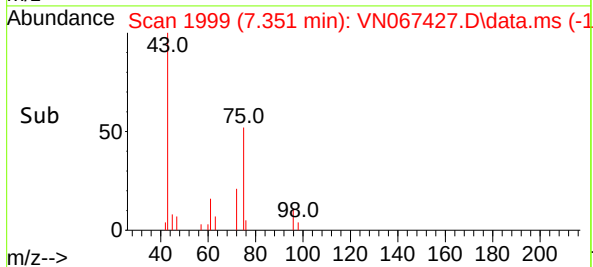
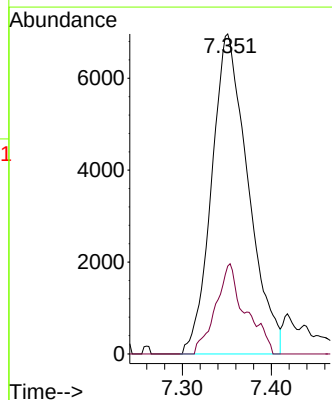
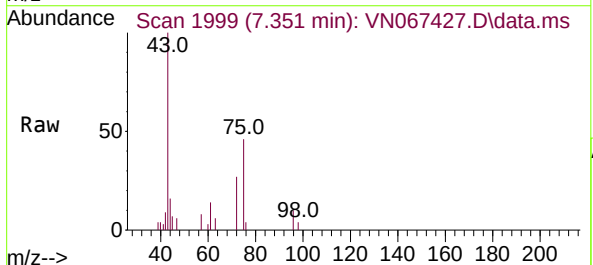
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

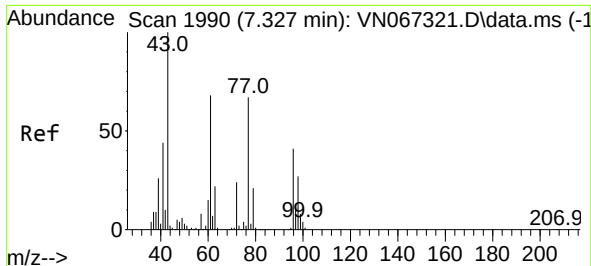
Tgt Ion:	84	Resp:	25583
Ion	Ratio	Lower	Upper
84	100		
49	130.8	110.9	166.3
51	36.1	32.6	49.0
86	66.2	51.6	77.4



#25
2-Butanone
Concen: 6.43 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

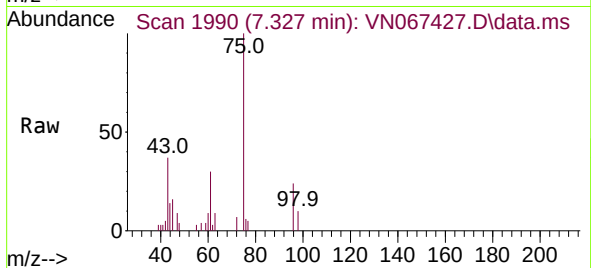
Tgt Ion:	43	Resp:	19811
Ion	Ratio	Lower	Upper
43	100		
72	27.5	19.7	29.5



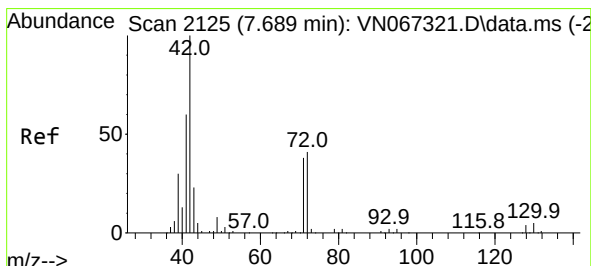
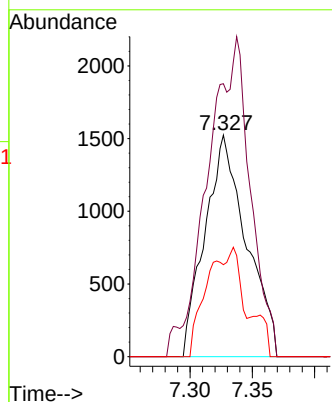
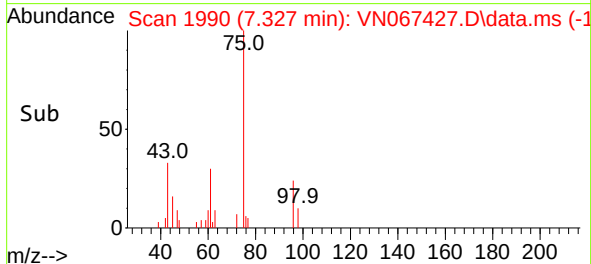


#27
 cis-1,2-Dichloroethene
 Concen: 0.79 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. -0.000 min
 Lab File: VN067427.D
 Acq: 21 Jun 2021 19:28

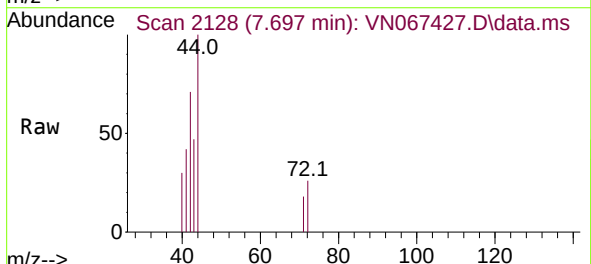
Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-250EM-002



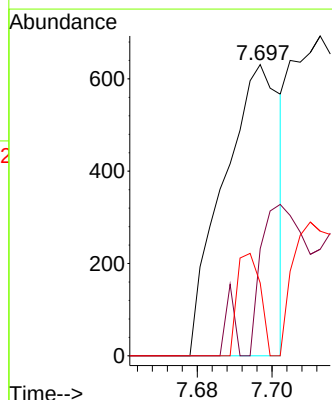
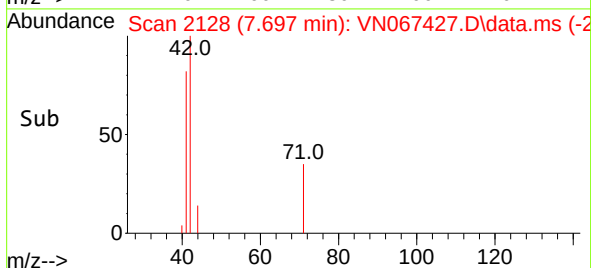
Tgt Ion:	96	Resp:	3525
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	338.8
98	22.5	0.0	129.8

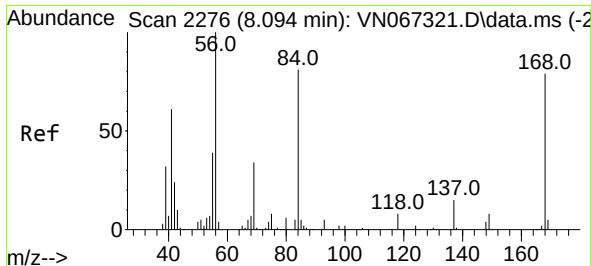


#29
 Tetrahydrofuran
 Concen: 0.34 ug/l
 RT: 7.697 min Scan# 2128
 Delta R.T. 0.008 min
 Lab File: VN067427.D
 Acq: 21 Jun 2021 19:28



Tgt Ion:	42	Resp:	662
Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.8	49.2
71	14.4	31.2	46.8

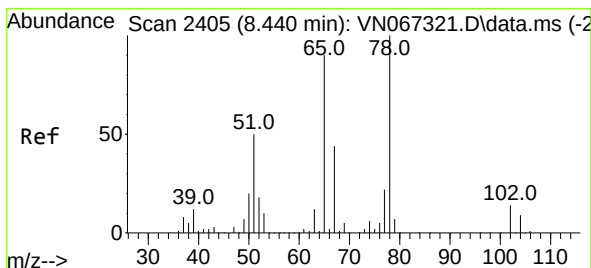
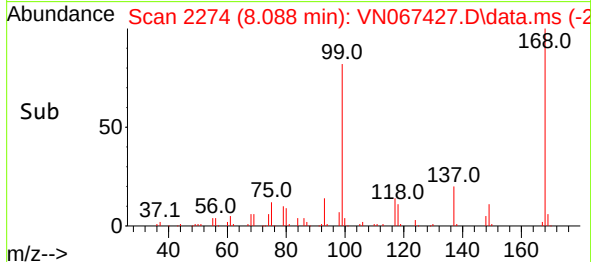
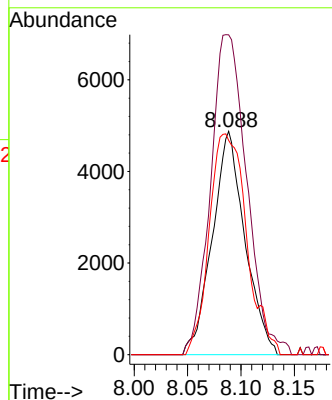
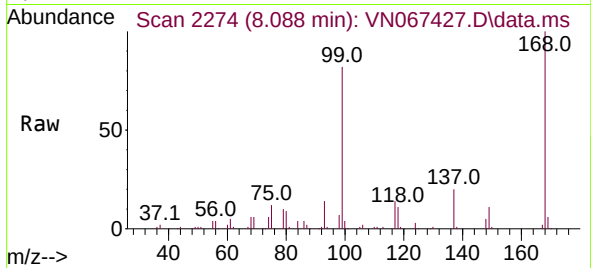




#31
Cyclohexane
Concen: 1.35 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

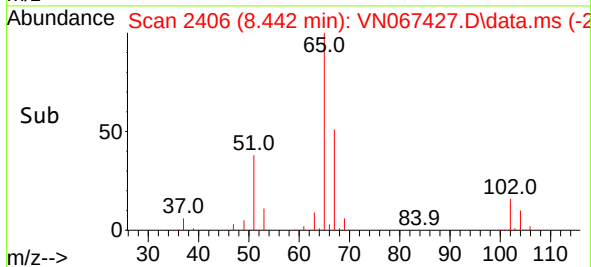
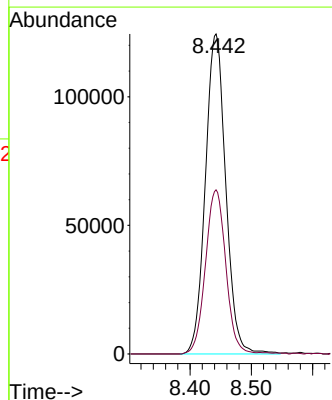
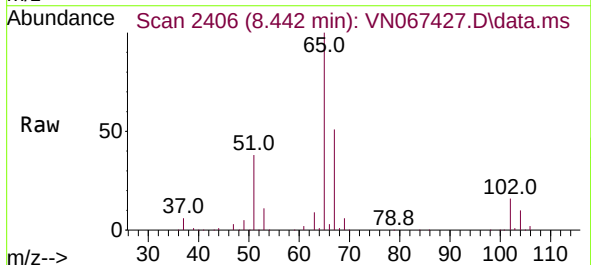
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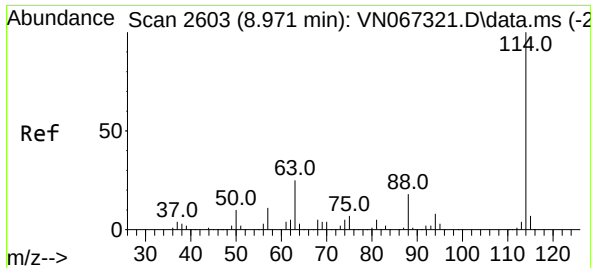
Tgt Ion: 56 Resp: 10354
Ion Ratio Lower Upper
56 100
69 143.2 27.3 40.9#
84 95.9 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 51.23 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 65 Resp: 288076
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.6

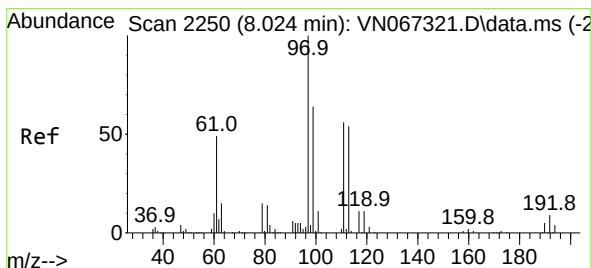
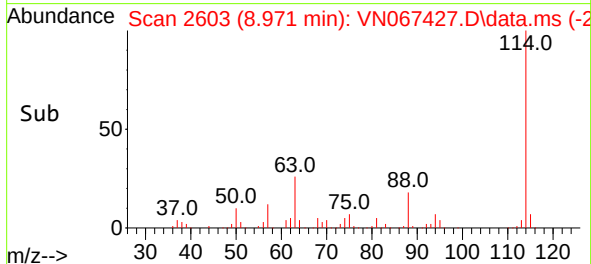
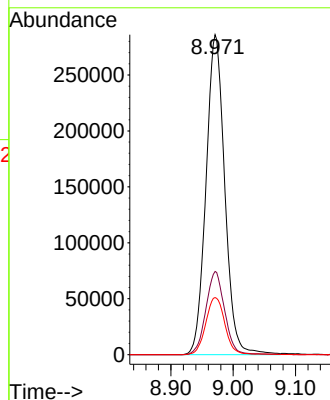
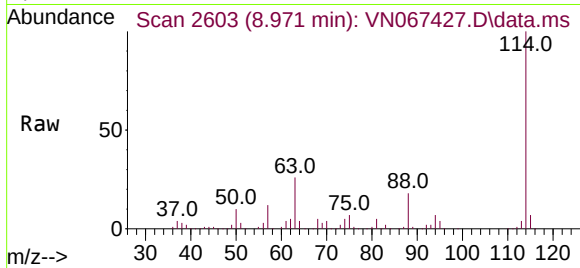




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

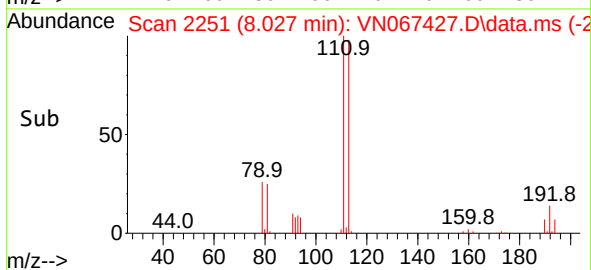
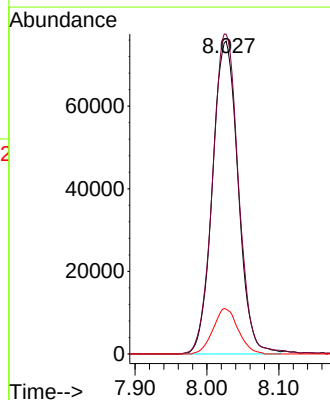
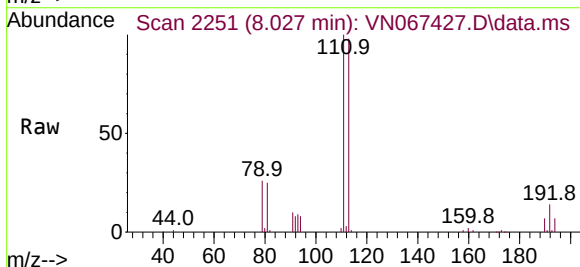
Instrument :
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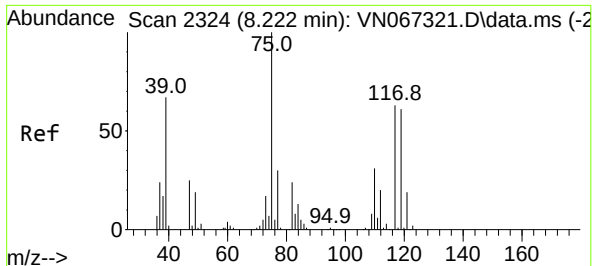
Tgt Ion:	114	Resp:	598469
Ion Ratio	Lower	Upper	
114	100		
63	26.0	0.0	49.0
88	17.8	0.0	36.6



#35
Dibromofluoromethane
Concen: 47.06 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion:	113	Resp:	187331
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.8	125.8
192	14.3	13.4	20.0





#36

1,1-Dichloropropene

Concen: 5.14 ug/l

RT: 8.091 min Scan# 2275

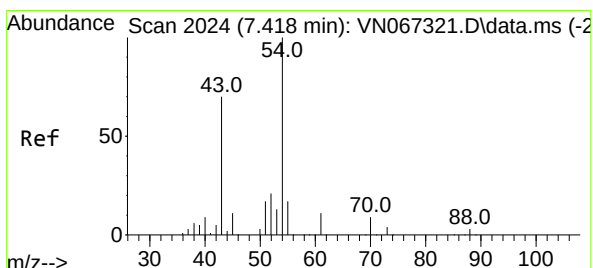
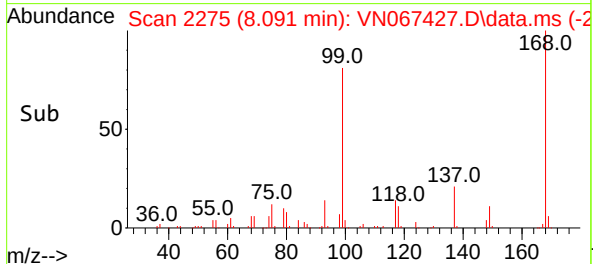
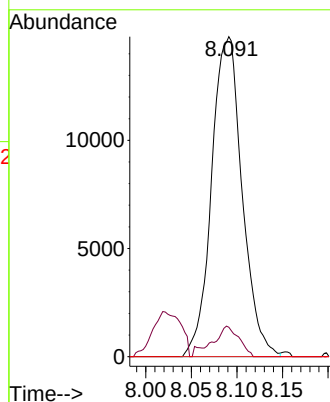
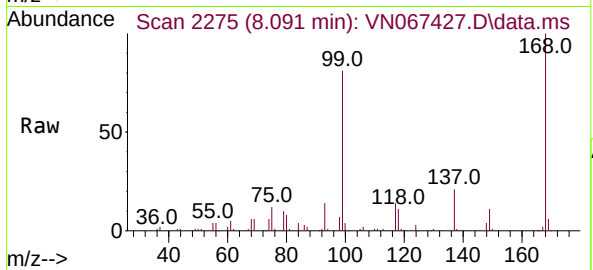
Delta R.T. -0.131 min

Lab File: VN067427.D

Acq: 21 Jun 2021 19:28

Tgt Ion:	75	Resp:	34498
Ion Ratio	Lower	Upper	
75	100		
110	7.2	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002



#37

Ethyl Acetate

Concen: 2.79 ug/l

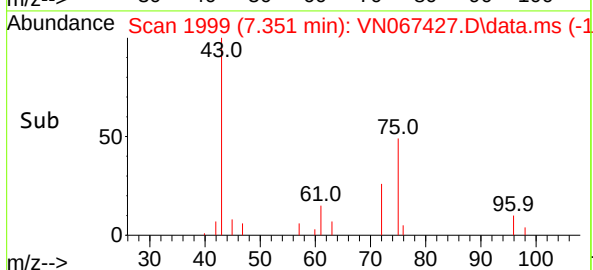
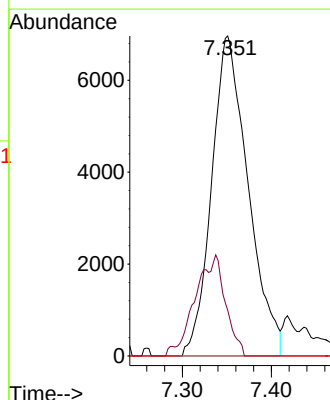
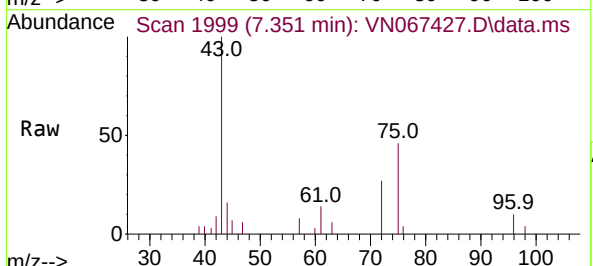
RT: 7.351 min Scan# 1999

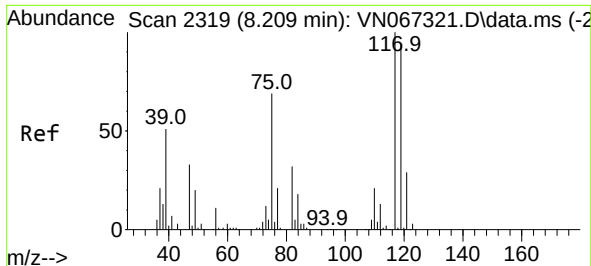
Delta R.T. -0.067 min

Lab File: VN067427.D

Acq: 21 Jun 2021 19:28

Tgt Ion:	43	Resp:	19811
Ion Ratio	Lower	Upper	
43	100		
61	26.3	10.6	16.0#
70	0.0	8.1	12.1#

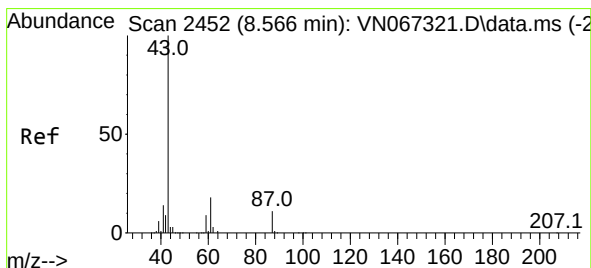
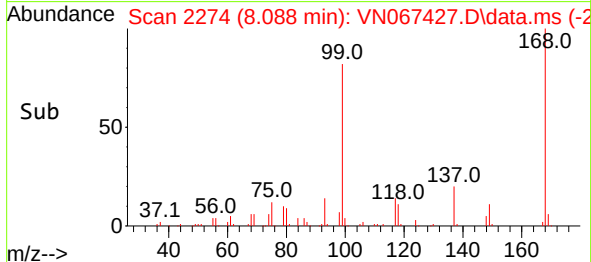
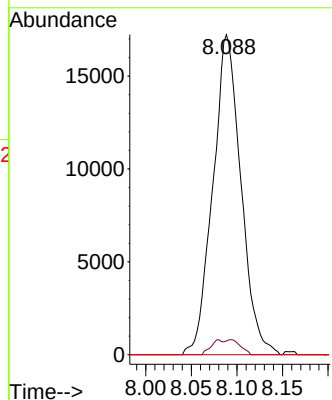
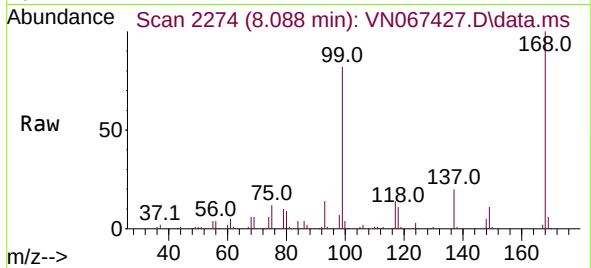




#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

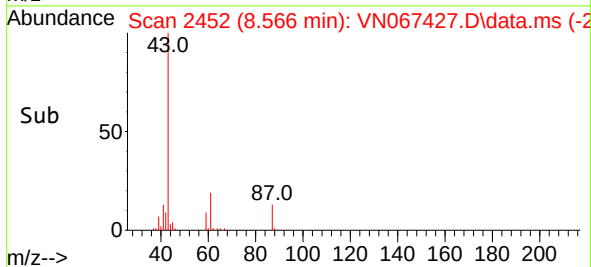
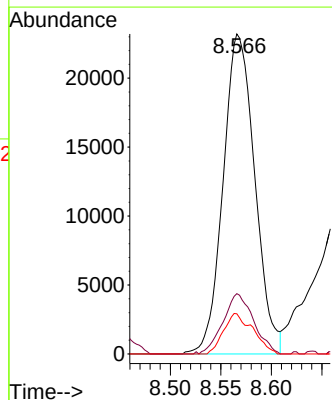
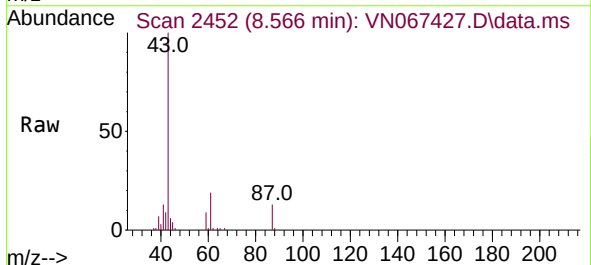
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

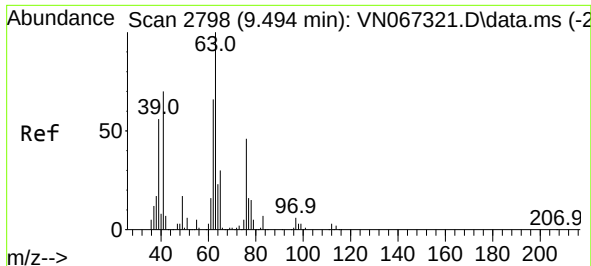
Tgt Ion:117 Resp: 36903
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 3.97 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 43 Resp: 50615
Ion Ratio Lower Upper
43 100
61 18.2 19.0 28.4#
87 11.7 9.5 14.3





#45

1,2-Dichloropropane

Concen: 0.56 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.134 min

Lab File: VN067427.D

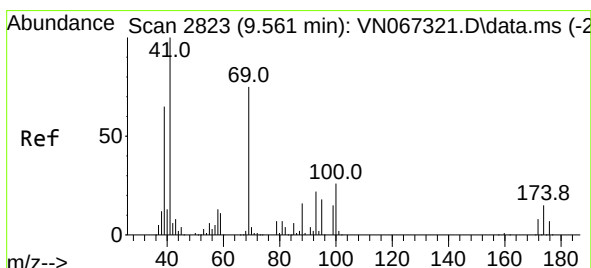
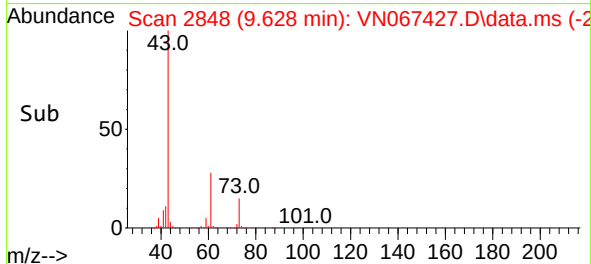
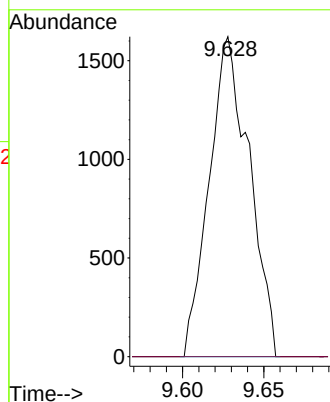
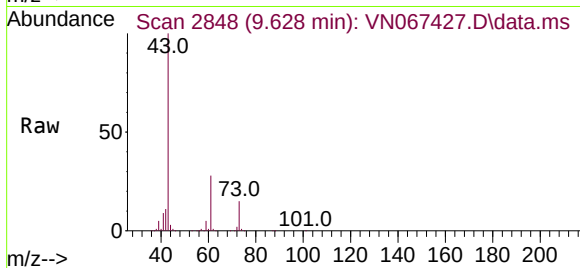
Acq: 21 Jun 2021 19:28

Tgt Ion: 63 Resp: 2782

Ion Ratio Lower Upper

63 100

65 0.0 24.3 36.5#



#48

Methyl methacrylate

Concen: 3.02 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN067427.D

Acq: 21 Jun 2021 19:28

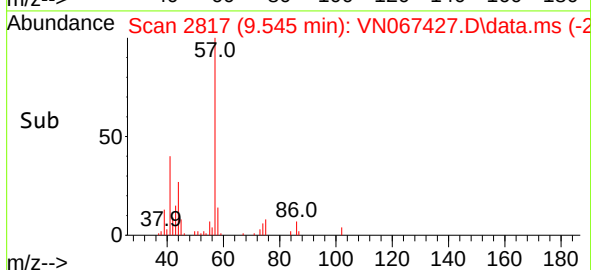
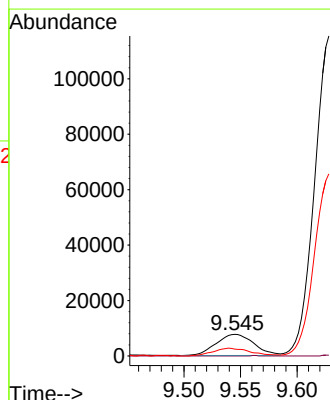
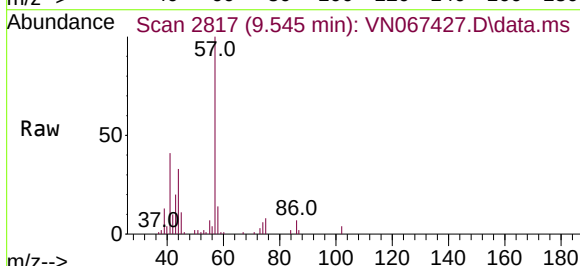
Tgt Ion: 41 Resp: 17591

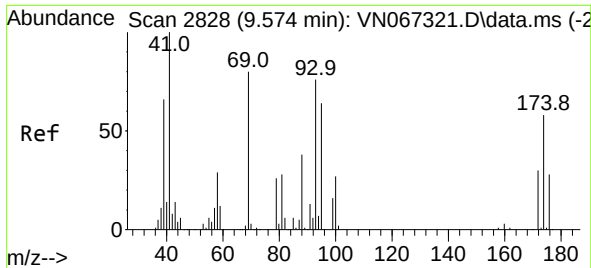
Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 37.0 53.3 79.9#

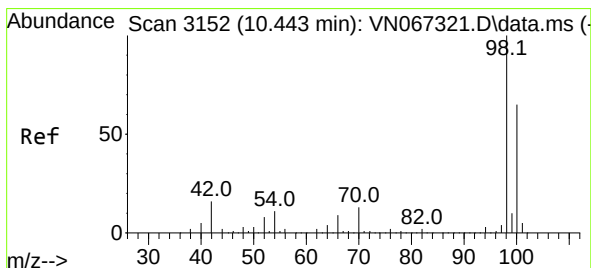
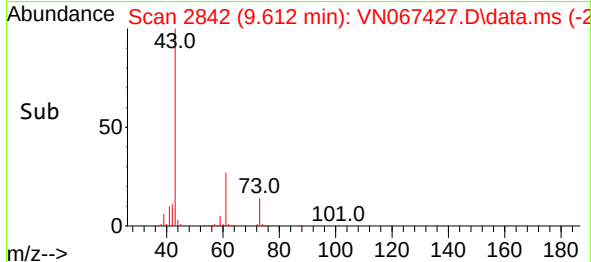
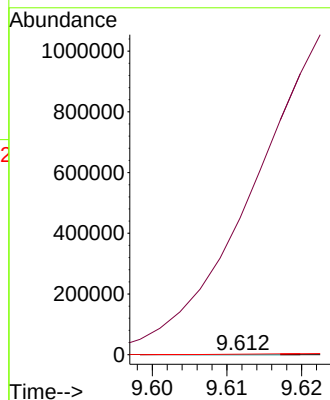
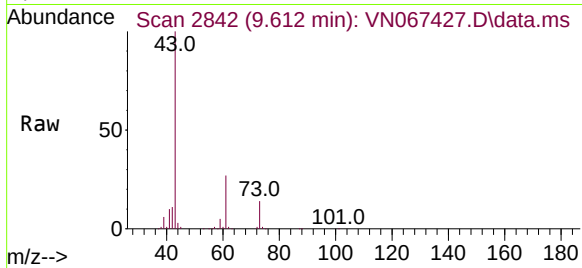




#49
1,4-Dioxane
Concen: 0.98 ug/l
RT: 9.612 min Scan# 2842
Delta R.T. 0.038 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

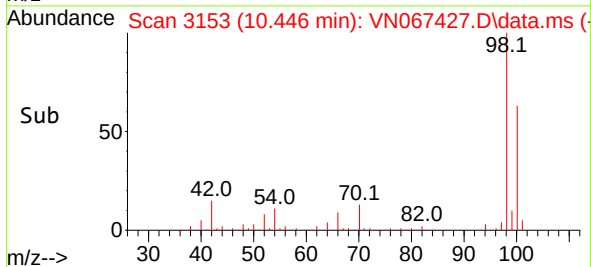
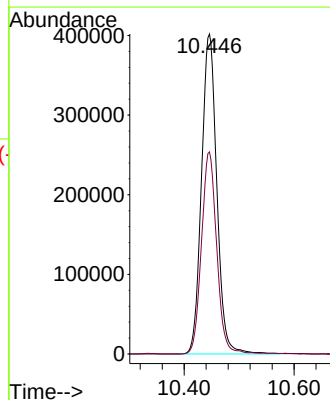
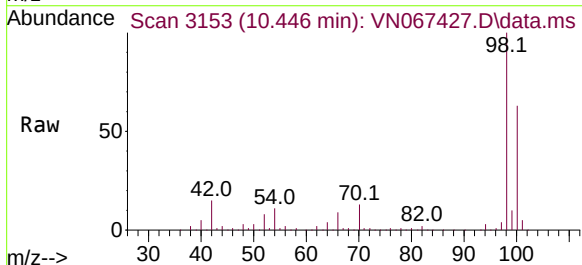
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

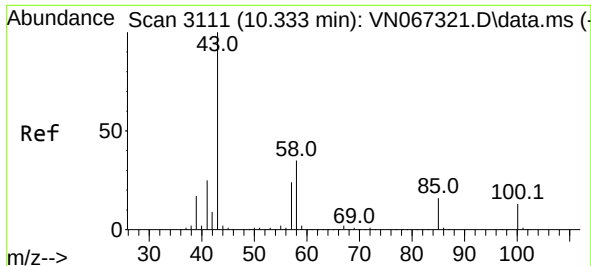
Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 50.97 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 98 Resp: 777520
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5

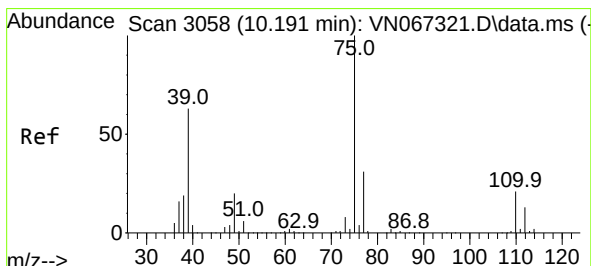
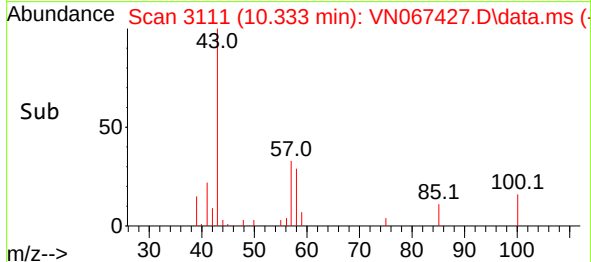
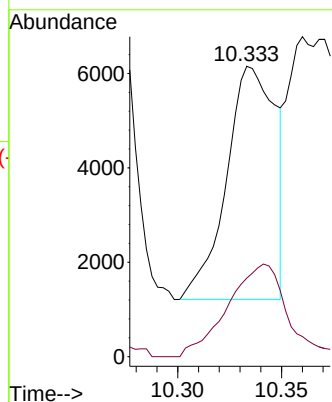
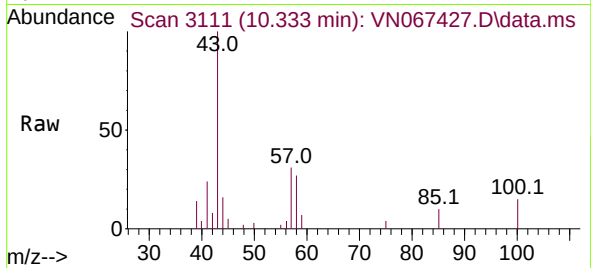




#51
4-Methyl-2-Pentanone
Concen: 1.11 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

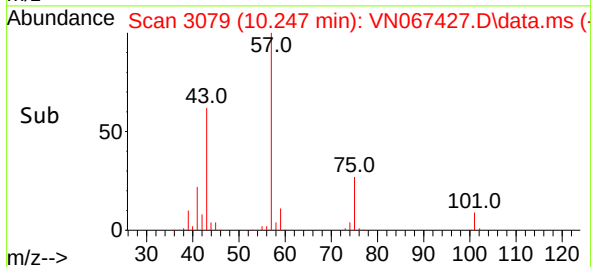
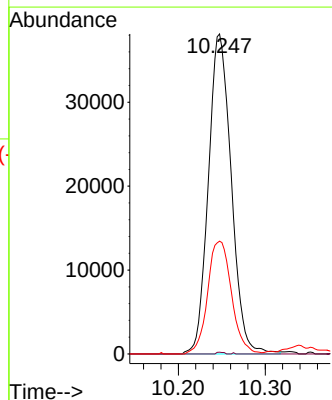
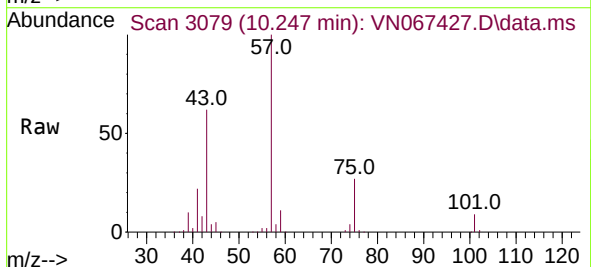
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

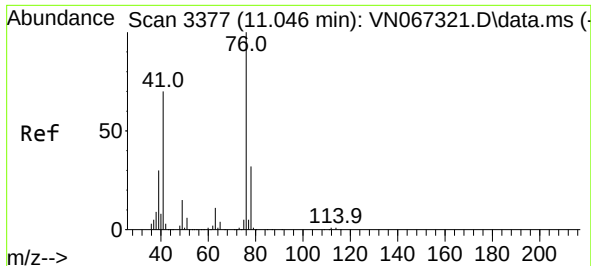
Tgt Ion: 43 Resp: 8124
Ion Ratio Lower Upper
43 100
58 47.4 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.18 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 75 Resp: 69763
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 35.3 50.7 76.1#

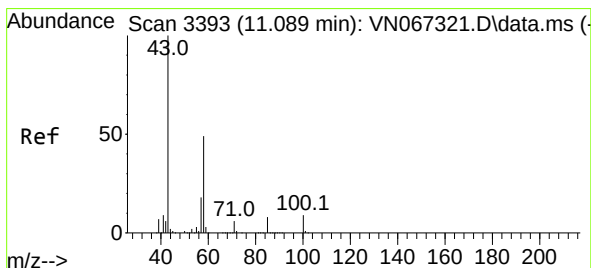
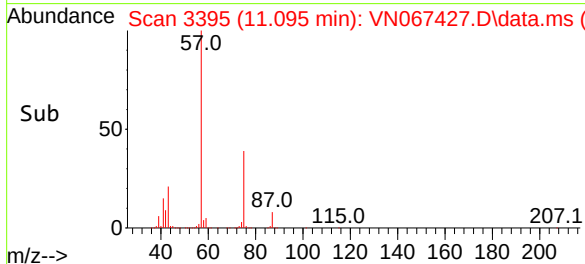
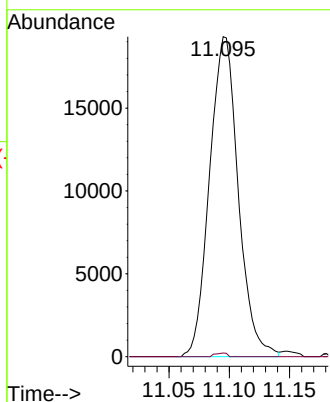
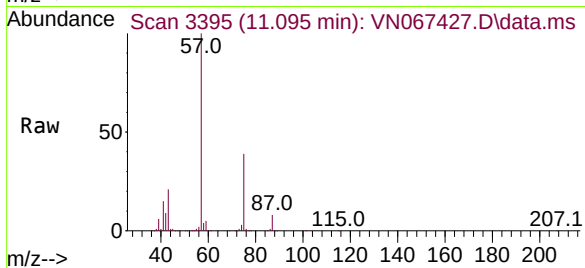




#57
1,3-Dichloropropane
Concen: 3.85 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

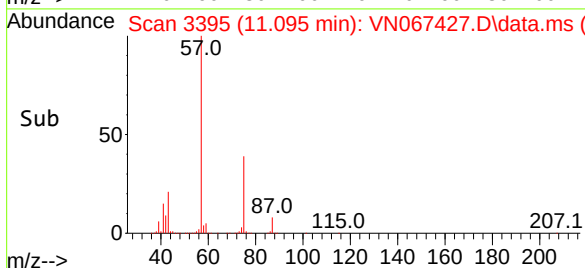
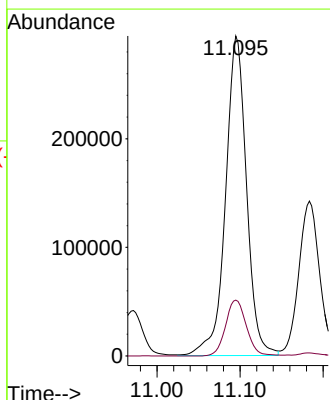
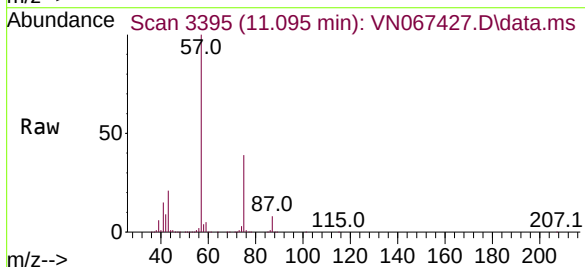
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

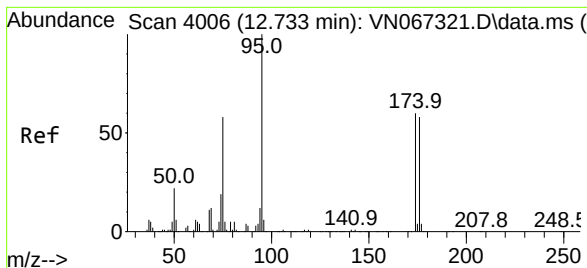
Tgt Ion: 76 Resp: 32007
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 96.11 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 43 Resp: 517226
Ion Ratio Lower Upper
43 100
58 17.4 24.7 74.1#

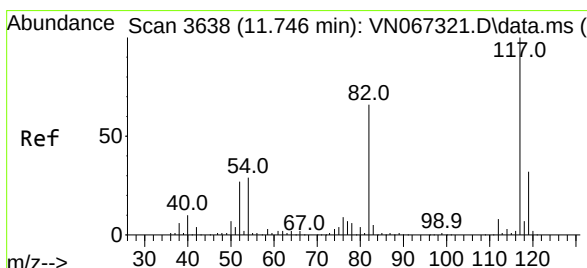
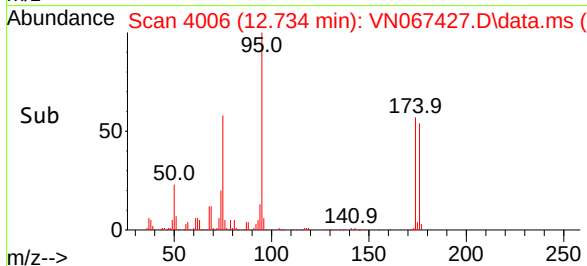
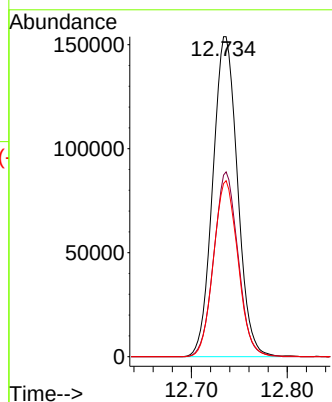
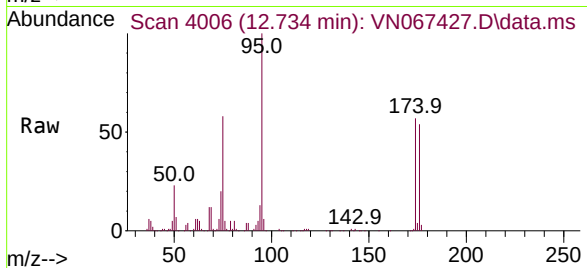




#62
4-Bromofluorobenzene
Concen: 43.73 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

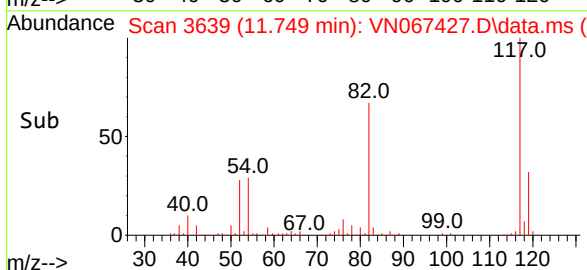
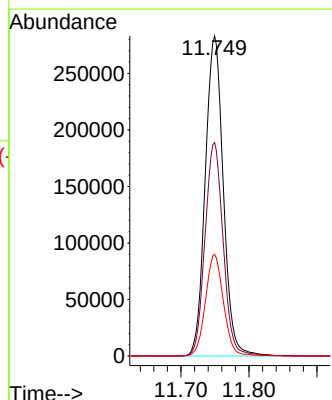
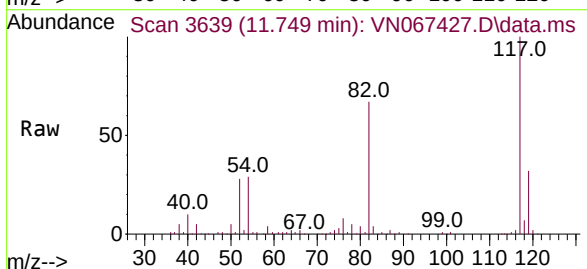
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

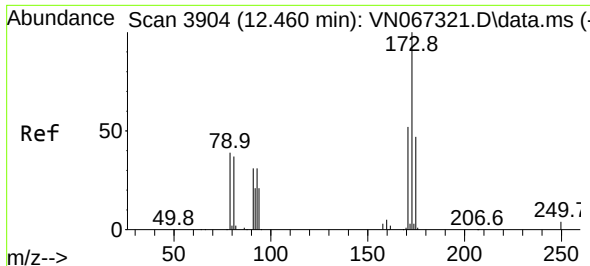
Tgt Ion: 95 Resp: 275320
Ion Ratio Lower Upper
95 100
174 56.6 0.0 122.0
176 54.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 117 Resp: 522493
Ion Ratio Lower Upper
117 100
82 66.7 53.1 79.7
119 31.8 25.5 38.3

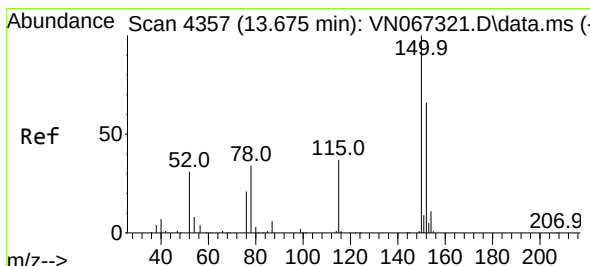
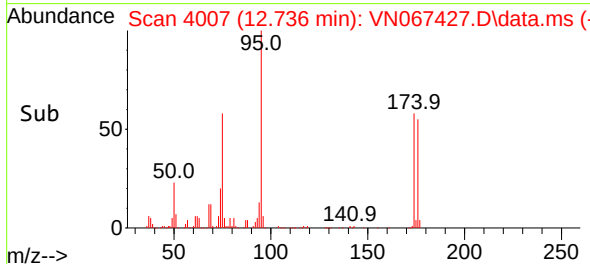
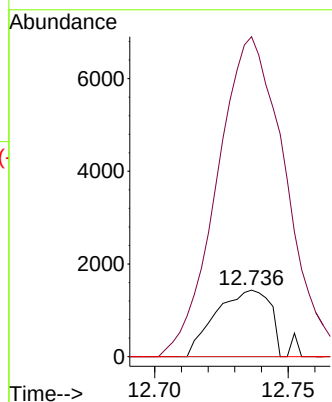
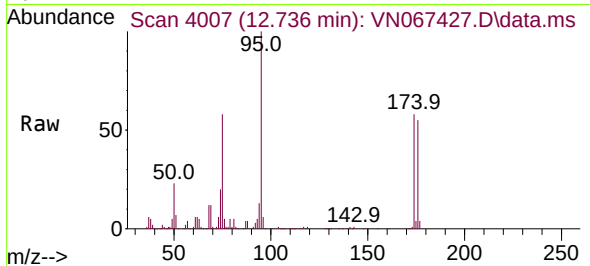




#71
Bromoform
Concen: 0.63 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

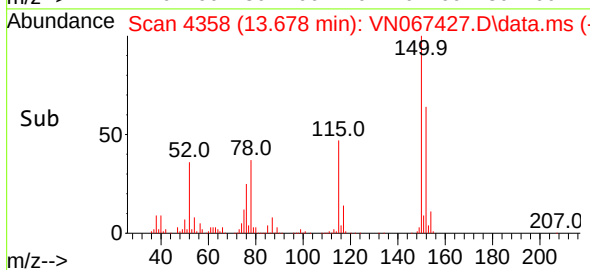
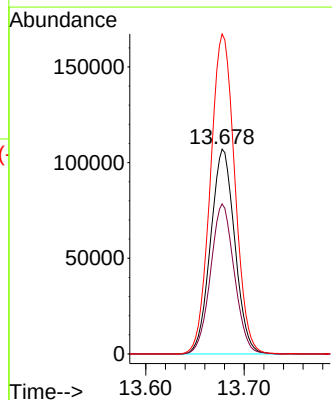
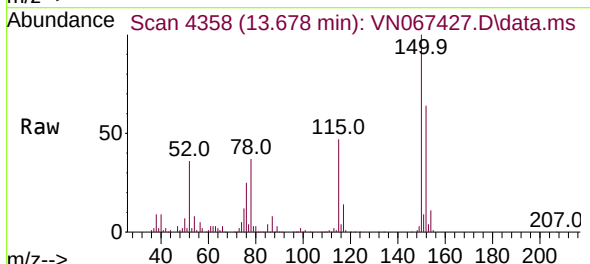
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

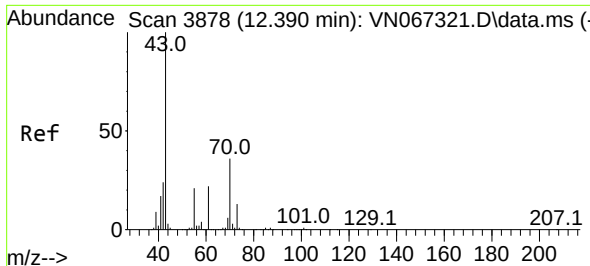
Tgt Ion:173 Resp: 2043
Ion Ratio Lower Upper
173 100
175 534.9 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

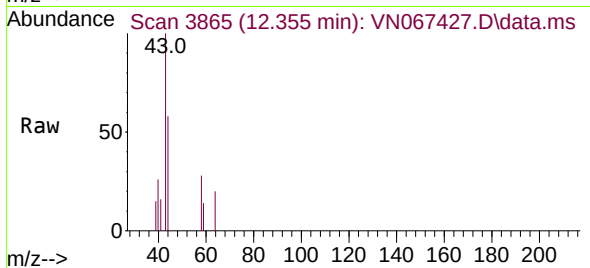
Tgt Ion:152 Resp: 182904
Ion Ratio Lower Upper
152 100
115 72.1 36.1 108.5
150 157.8 0.0 351.8



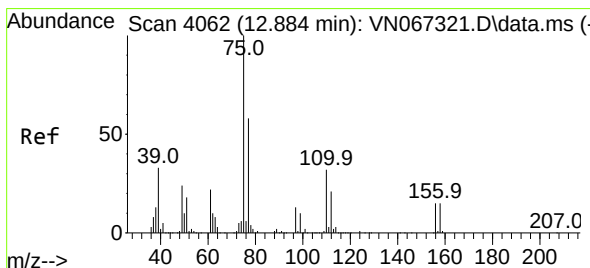
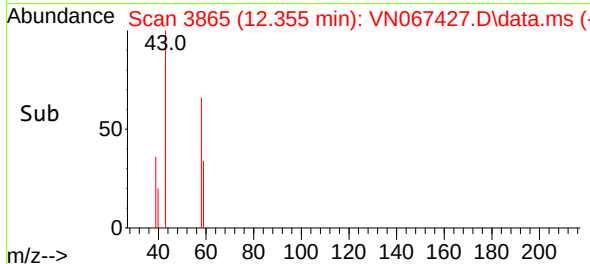
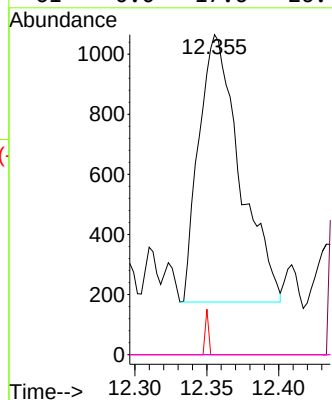


#74
N-amy1 acetate
Concen: 0.21 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002

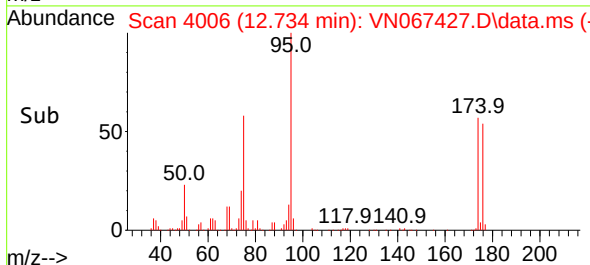
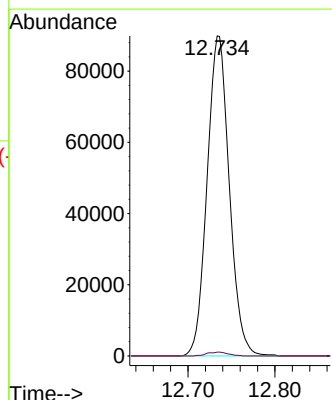
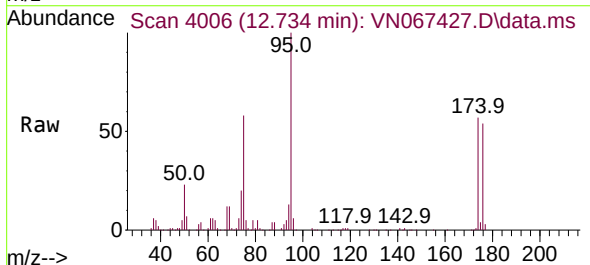


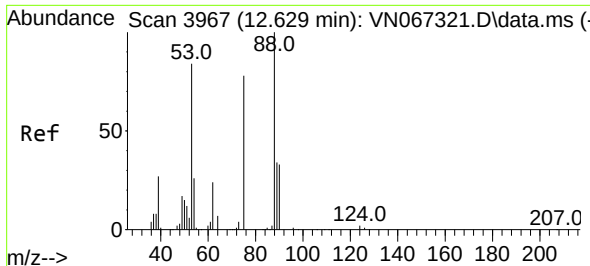
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	0.0	17.0	25.4#
61	0.0	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 33.56 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

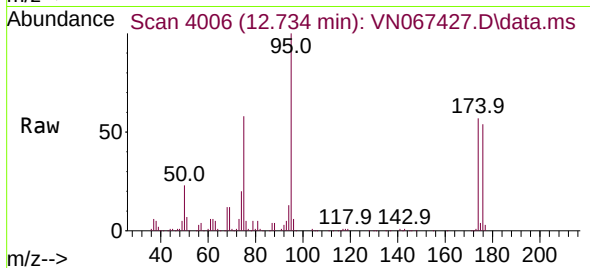
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



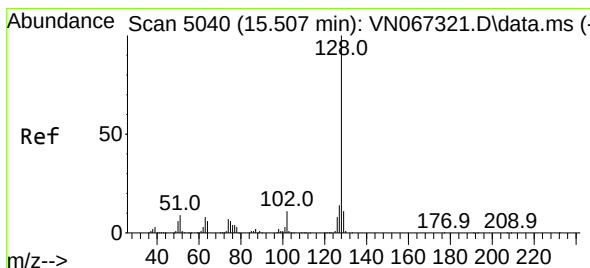
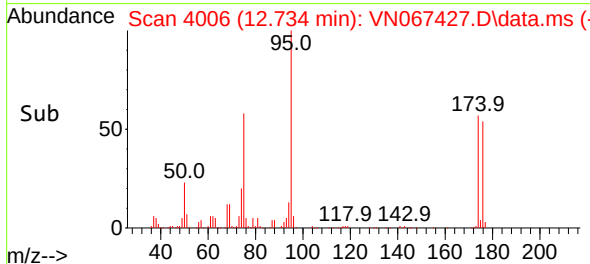
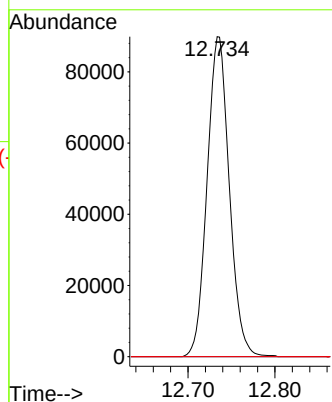


#81
trans-1,4-Dichloro-2-butene
Concen: 83.17 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-002



Tgt Ion: 75 Resp: 159395
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 2.65 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067427.D
Acq: 21 Jun 2021 19:28

Tgt Ion: 128 Resp: 511
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

