

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067426.D
 Acq On : 21 Jun 2021 19:04
 Operator : JC/MD
 Sample : M2764-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-250EM-001

Quant Time: Jun 22 03:12:52 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)

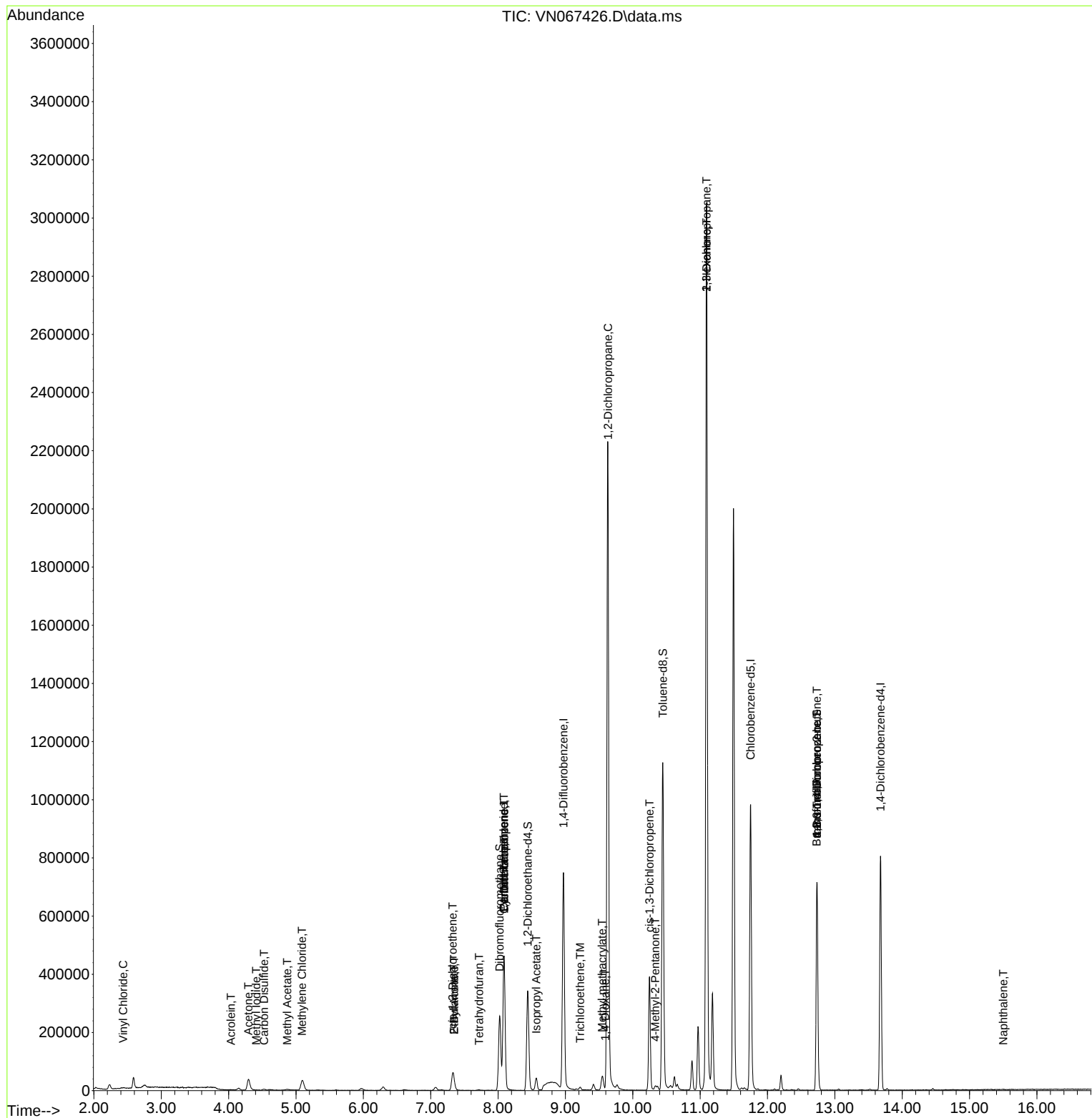
Internal Standards						
1) Pentafluorobenzene	8.088	168	292026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	601320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	520626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	177803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	290484	50.42	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.84%			
35) Dibromofluoromethane	8.024	113	187210	46.81	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.62%			
50) Toluene-d8	10.446	98	776495	50.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.32%			
62) 4-Bromofluorobenzene	12.734	95	263230	41.61	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 83.22%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.437	62	1818	0.42	ug/l #	51
10) Methyl Iodide	4.411	142	26	6.75	ug/l #	33
13) Acrolein	4.033	56	674	1.14	ug/l #	16
16) Acetone	4.293	43	71046	32.14	ug/l	98
17) Carbon Disulfide	4.527	76	6621	0.59	ug/l	99
18) Methyl Acetate	4.870	43	4077	0.76	ug/l #	59
20) Methylene Chloride	5.090	84	26769	5.82	ug/l	97
25) 2-Butanone	7.348	43	21146	6.69	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	26702	5.85	ug/l	88
29) Tetrahydrofuran	7.718	42	1433	0.72	ug/l #	47
31) Cyclohexane	8.091	56	10418	1.33	ug/l #	38
36) 1,1-Dichloropropene	8.091	75	35478	5.26	ug/l #	48
37) Ethyl Acetate	7.348	43	21146	2.96	ug/l #	1
38) Carbon Tetrachloride	8.088	117	36738	5.07	ug/l #	16
43) Isopropyl Acetate	8.568	43	50346	3.93	ug/l #	92
44) Trichloroethene	9.217	130	2911	0.66	ug/l	90
45) 1,2-Dichloropropane	9.633	63	2559	0.51	ug/l #	44
48) Methyl methacrylate	9.545	41	14673	2.51	ug/l #	29
49) 1,4-Dioxane	9.590	88	59	0.74	ug/l #	20
51) 4-Methyl-2-Pentanone	10.333	43	8313	1.13	ug/l #	86
54) cis-1,3-Dichloropropene	10.247	75	68325	7.97	ug/l #	60
57) 1,3-Dichloropropane	11.095	76	30811	3.69	ug/l #	43
59) 2-Hexanone	11.095	43	506283	93.63	ug/l #	53
71) Bromoform	12.731	173	1222	0.38	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	156988	34.00	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	156988	84.26	ug/l #	6
95) Naphthalene	15.501	128	298	2.63	ug/l #	69

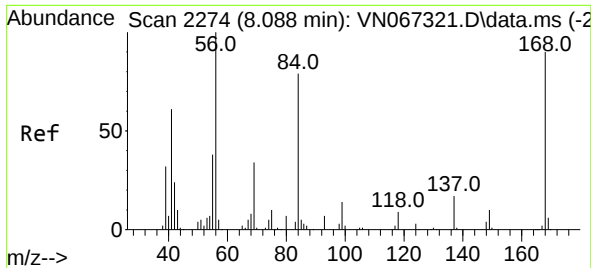
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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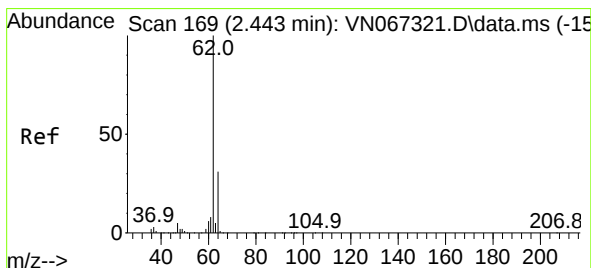
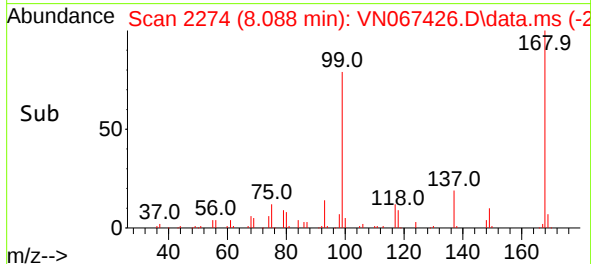
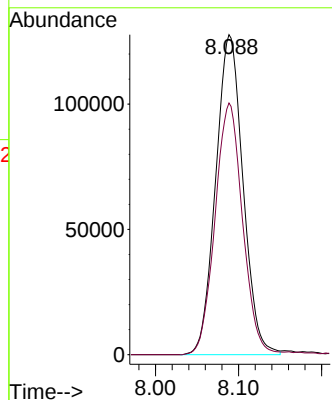
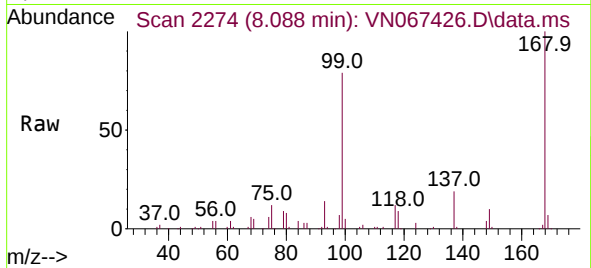




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

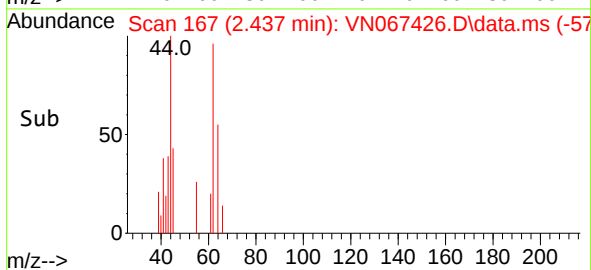
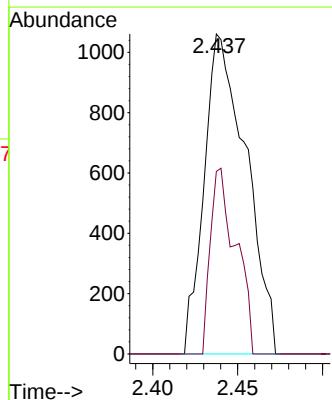
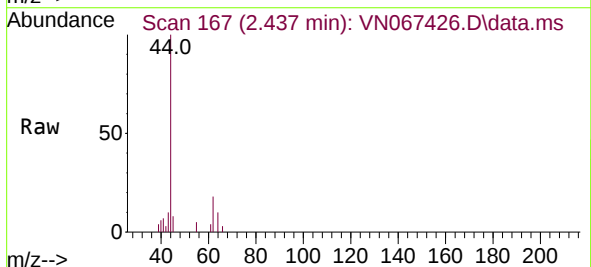
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

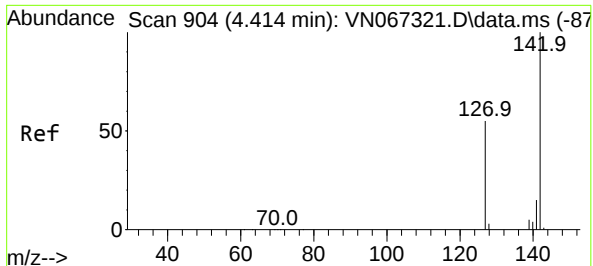
Tgt Ion:168 Resp: 292026
Ion Ratio Lower Upper
168 100
99 78.7 62.9 94.3



#4
Vinyl Chloride
Concen: 0.42 ug/l
RT: 2.437 min Scan# 167
Delta R.T. -0.006 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 62 Resp: 1818
Ion Ratio Lower Upper
62 100
64 57.0 24.4 36.6#

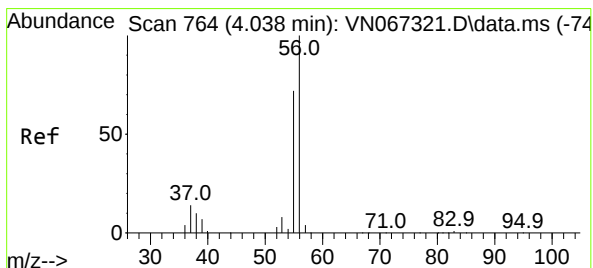
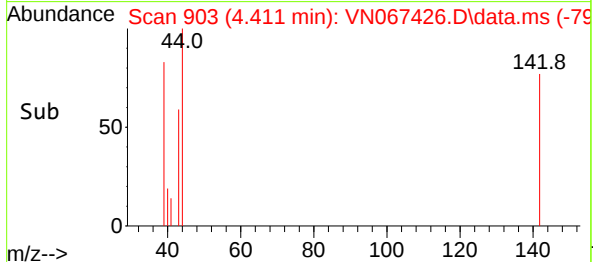
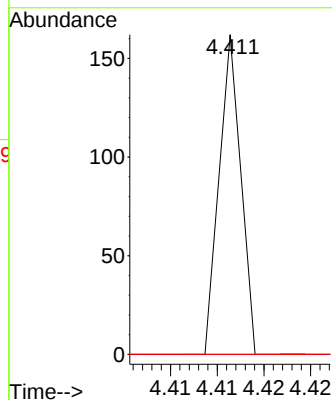
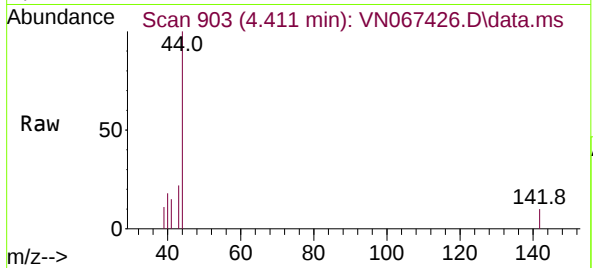




#10
Methyl Iodide
Concen: 6.75 ug/l
RT: 4.411 min Scan# 903
Delta R.T. -0.003 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

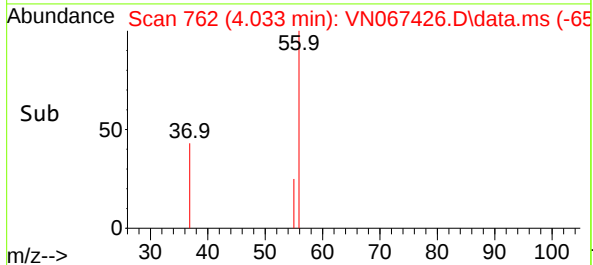
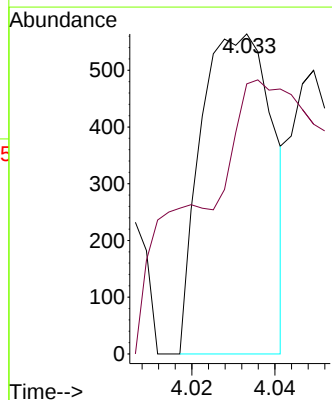
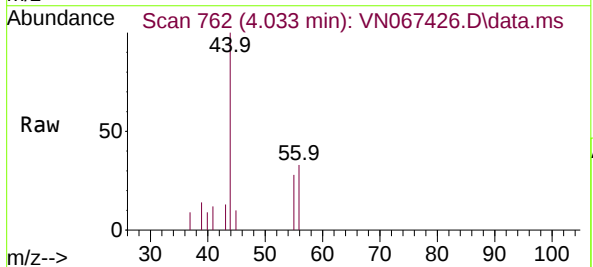
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

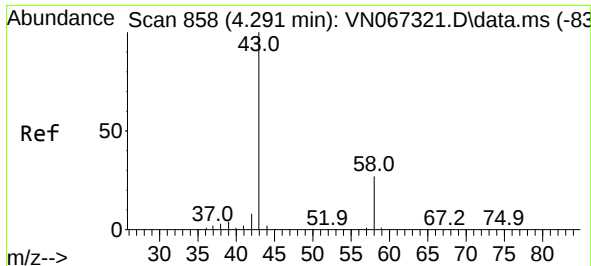
Tgt Ion:142 Resp: 26
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 1.14 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 56 Resp: 674
Ion Ratio Lower Upper
56 100
55 141.8 57.4 86.0#

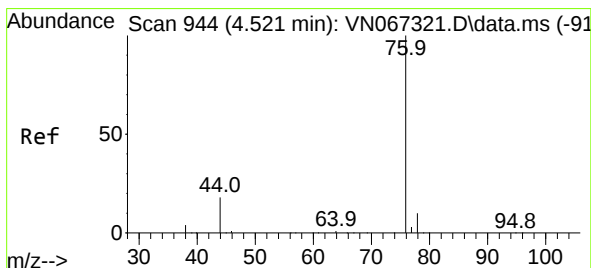
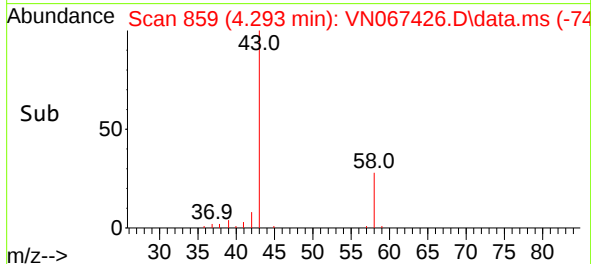
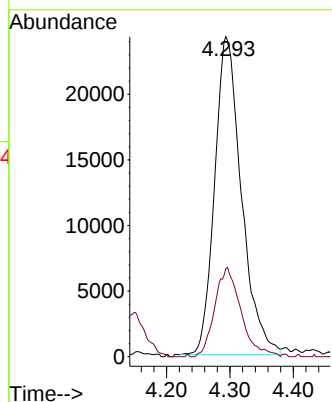
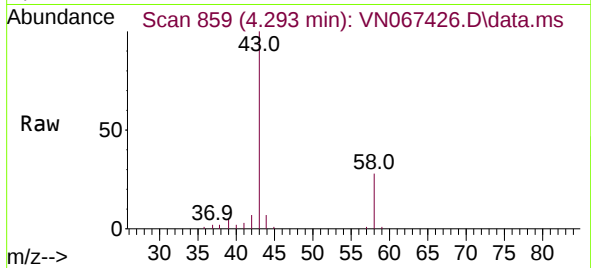




#16
Acetone
Concen: 32.14 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

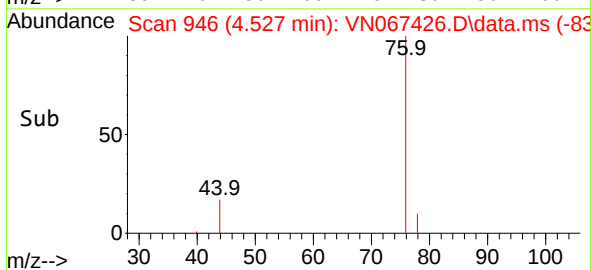
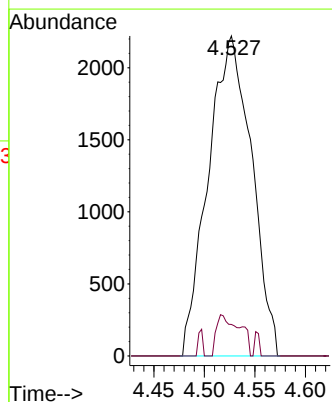
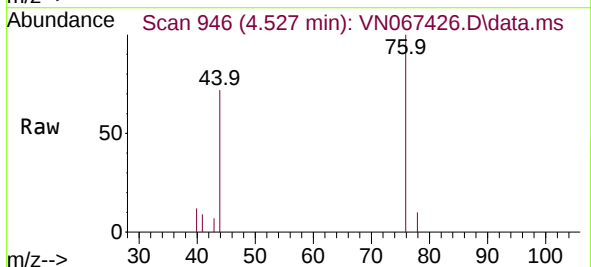
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

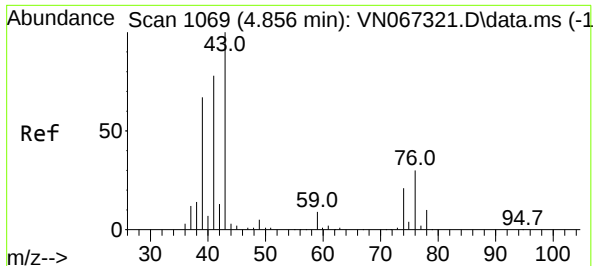
Tgt Ion: 43 Resp: 71046
Ion Ratio Lower Upper
43 100
58 27.7 21.2 31.8



#17
Carbon Disulfide
Concen: 0.59 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.006 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 76 Resp: 6621
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5





#18

Methyl Acetate

Concen: 0.76 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.014 min

Lab File: VN067426.D

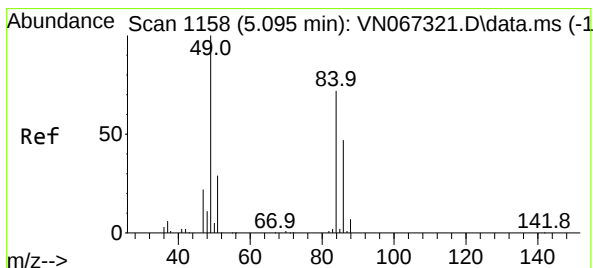
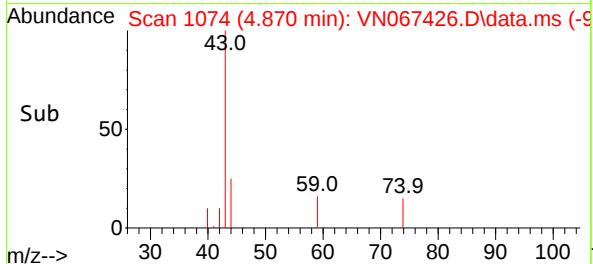
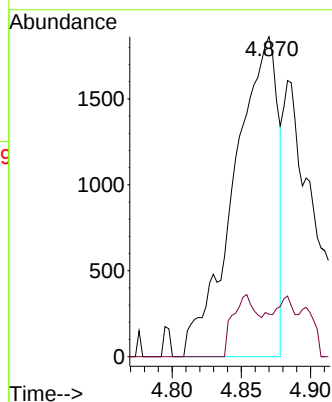
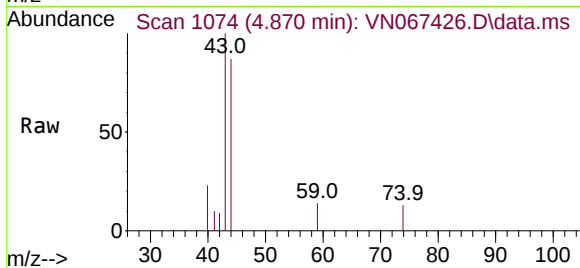
Acq: 21 Jun 2021 19:04

Tgt Ion: 43 Resp: 4077

Ion Ratio Lower Upper

43 100

74 2.4 17.4 26.0#



#20

Methylene Chloride

Concen: 5.82 ug/l

RT: 5.090 min Scan# 1156

Delta R.T. -0.005 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

Tgt Ion: 84 Resp: 26769

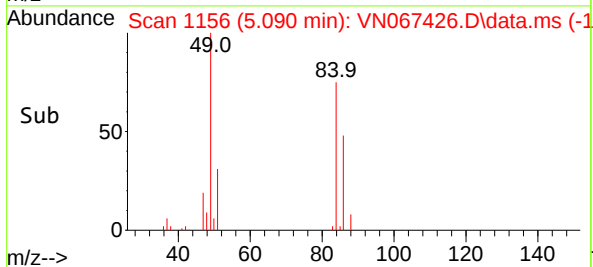
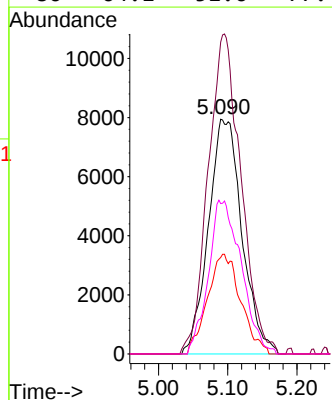
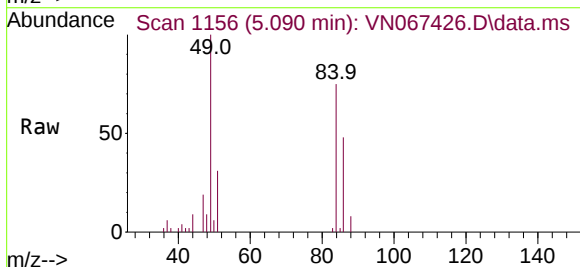
Ion Ratio Lower Upper

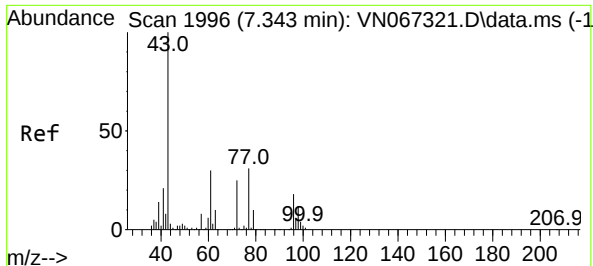
84 100

49 132.8 110.9 166.3

51 41.1 32.6 49.0

86 64.1 51.6 77.4

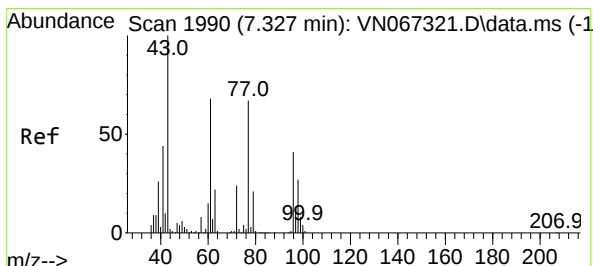
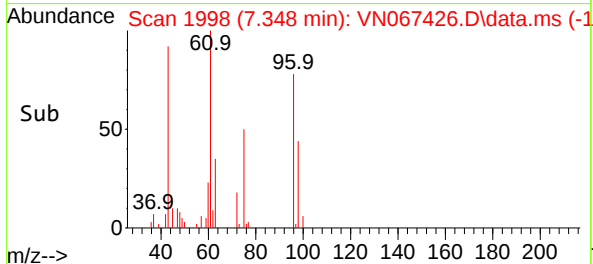
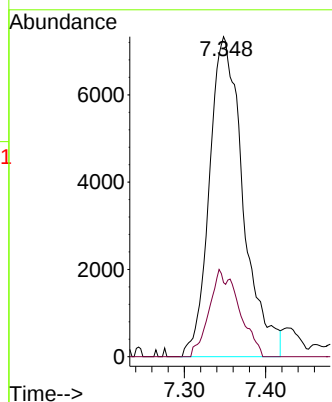
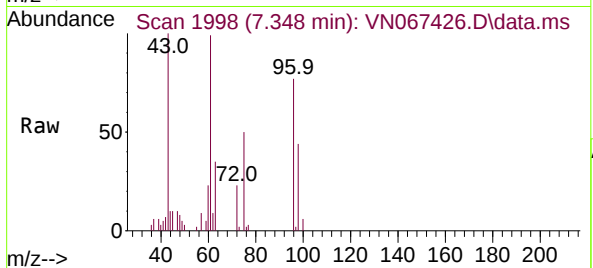




#25
2-Butanone
Concen: 6.69 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.005 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

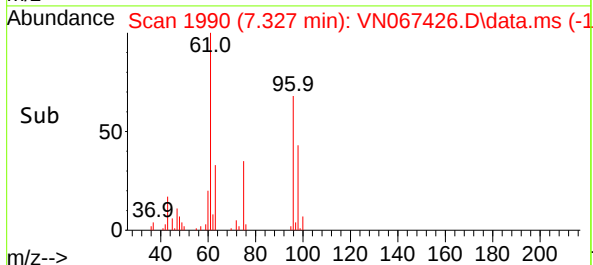
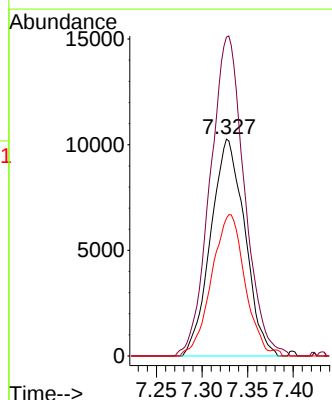
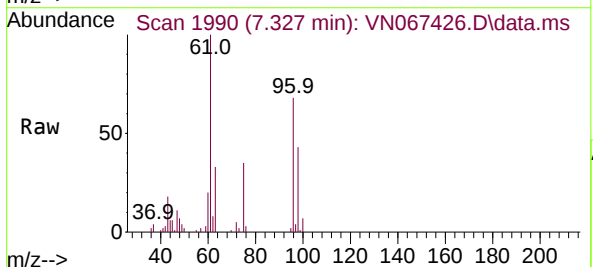
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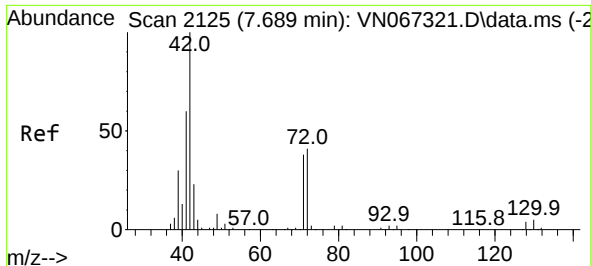
Tgt Ion: 43 Resp: 21146
Ion Ratio Lower Upper
43 100
72 23.1 19.7 29.5



#27
cis-1,2-Dichloroethene
Concen: 5.85 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 96 Resp: 26702
Ion Ratio Lower Upper
96 100
61 148.4 0.0 338.8
98 63.6 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.72 ug/l

RT: 7.718 min Scan# 2136

Delta R.T. 0.029 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

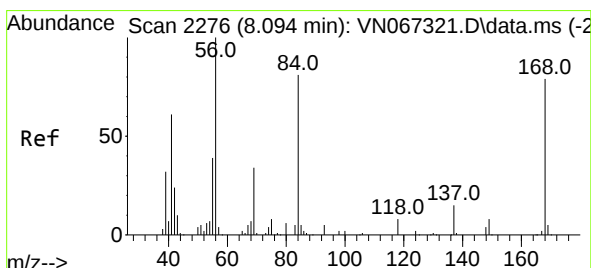
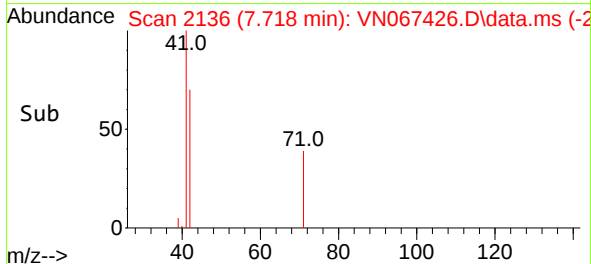
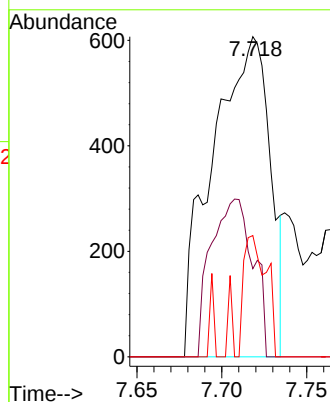
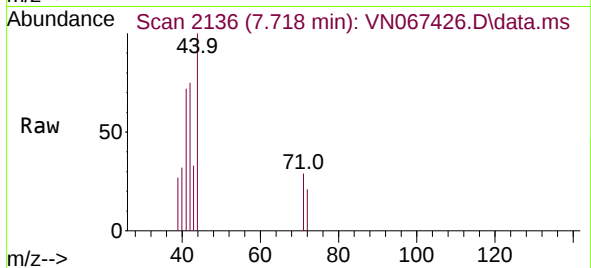
Instrument :

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ClientSampleId :

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Tgt Ion:	42	Resp:	1433
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	14.9	31.2	46.8#



#31

Cyclohexane

Concen: 1.33 ug/l

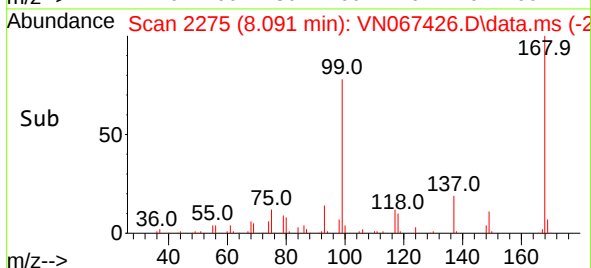
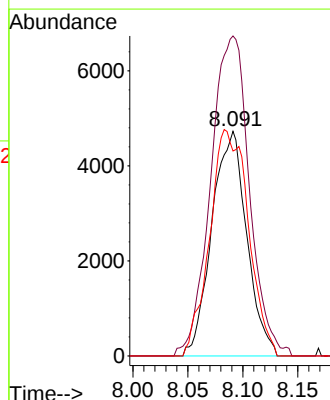
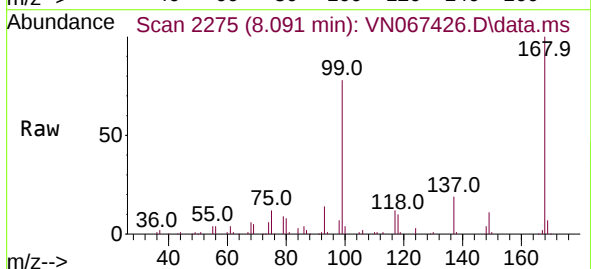
RT: 8.091 min Scan# 2275

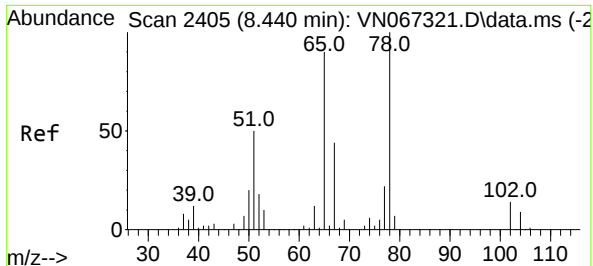
Delta R.T. -0.003 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

Tgt Ion:	56	Resp:	10418
Ion	Ratio	Lower	Upper
56	100		
69	138.8	27.3	40.9#
84	91.2	64.9	97.3

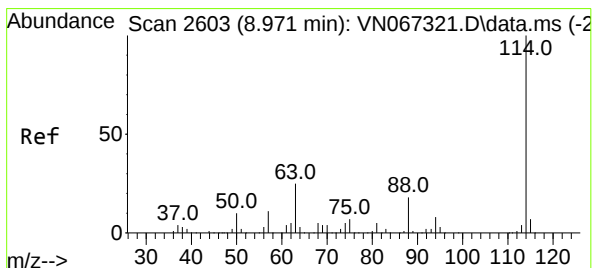
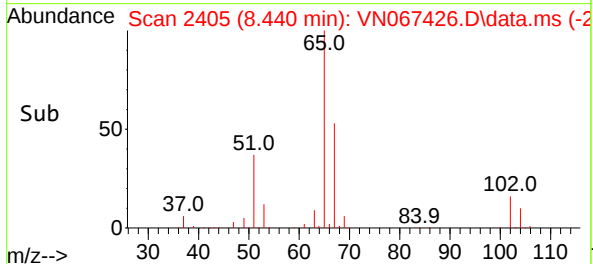
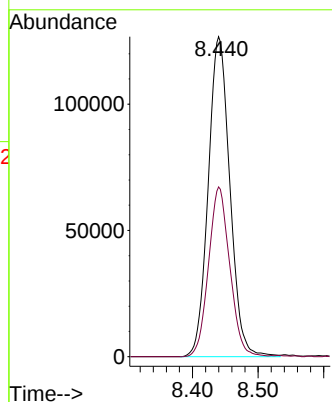
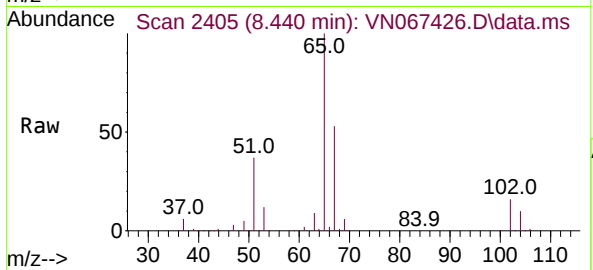




#33
1,2-Dichloroethane-d4
Concen: 50.42 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

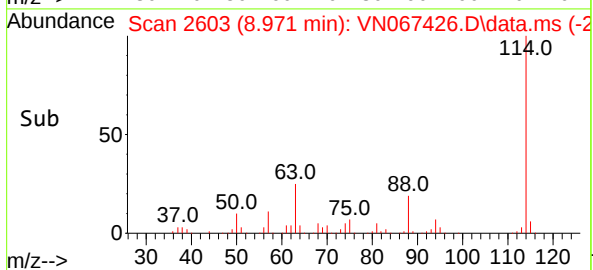
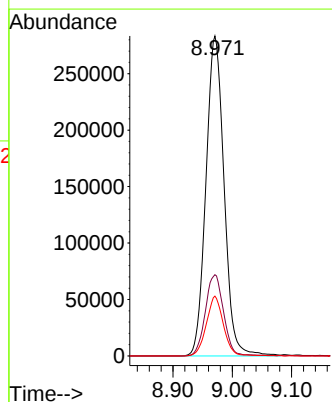
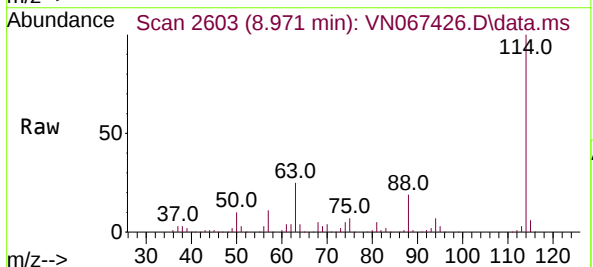
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

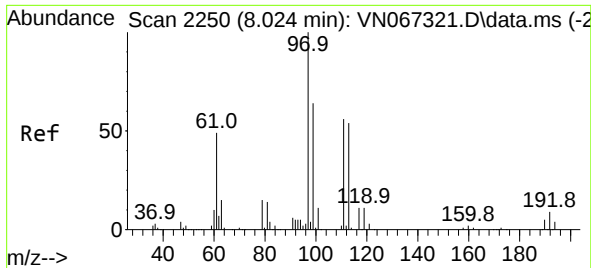
Tgt Ion: 65 Resp: 290484
Ion Ratio Lower Upper
65 100
67 52.0 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 114 Resp: 601320
Ion Ratio Lower Upper
114 100
63 25.4 0.0 49.0
88 18.7 0.0 36.6

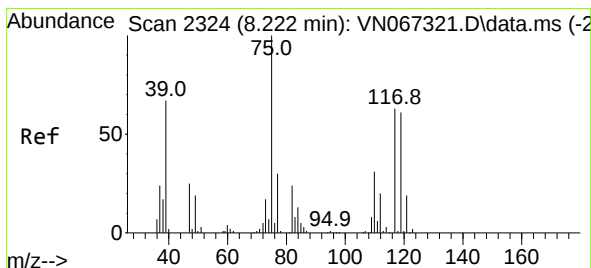
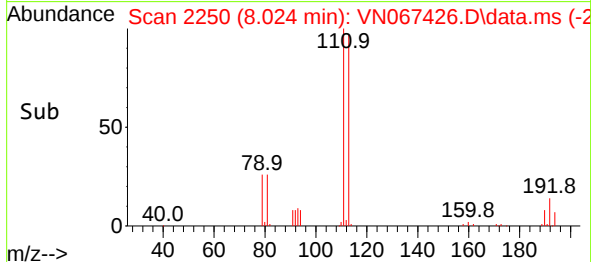
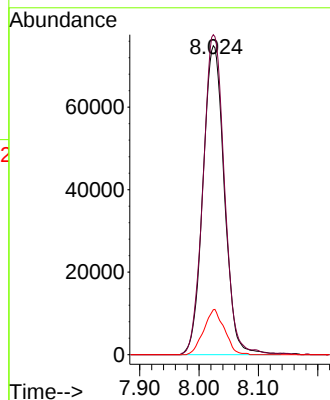
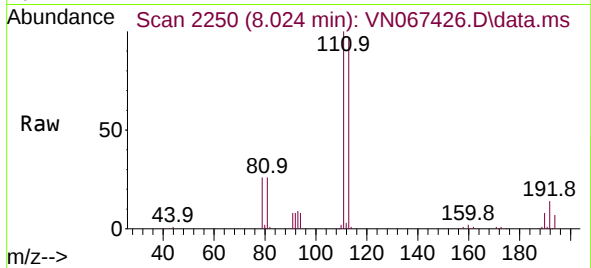




#35
Dibromofluoromethane
Concen: 46.81 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

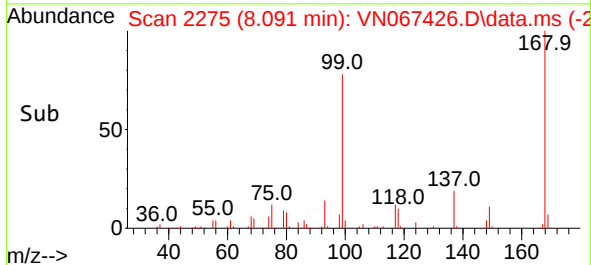
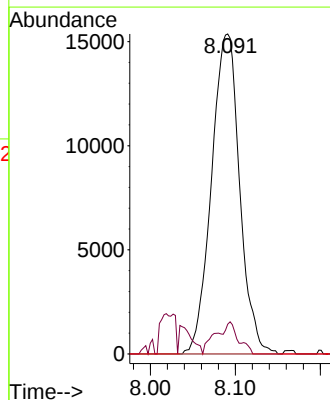
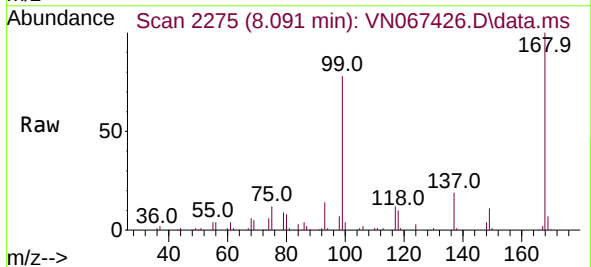
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

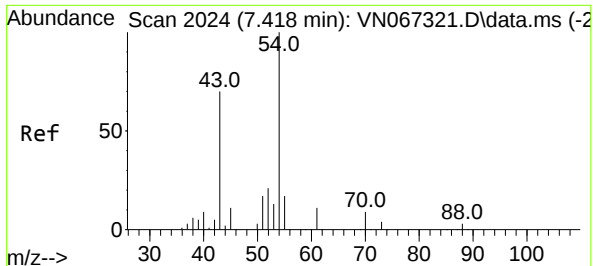
Tgt Ion:113 Resp: 187210
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 14.2 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.26 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 75 Resp: 35478
Ion Ratio Lower Upper
75 100
110 4.5 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 2.96 ug/l

RT: 7.348 min Scan# 1998

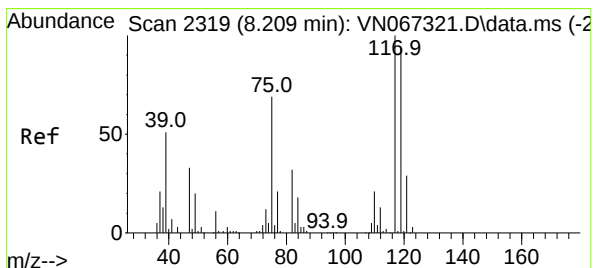
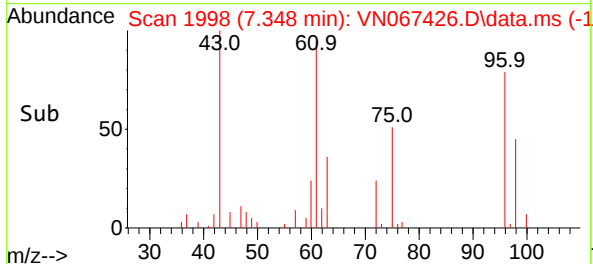
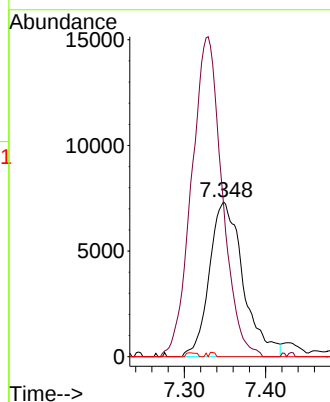
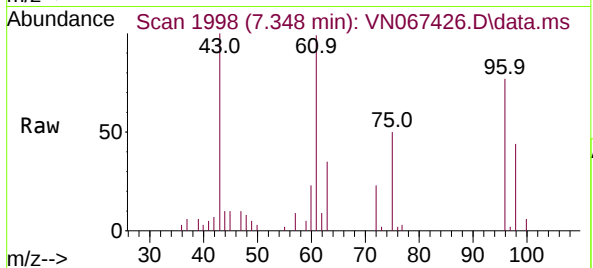
Delta R.T. -0.070 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

Tgt Ion: 43	Resp: 21146
Ion Ratio	Lower Upper
43 100	
61 187.4	10.6 16.0#
70 0.6	8.1 12.1#

Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001



#38

Carbon Tetrachloride

Concen: 5.07 ug/l

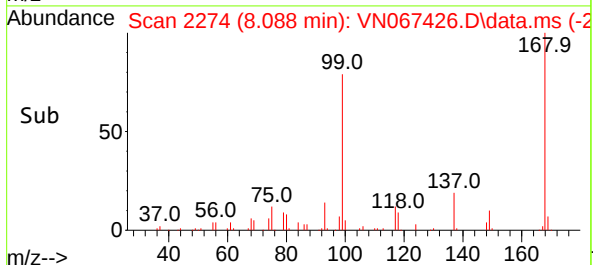
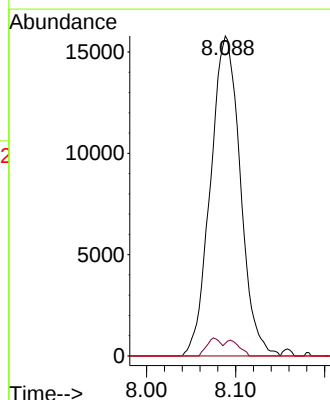
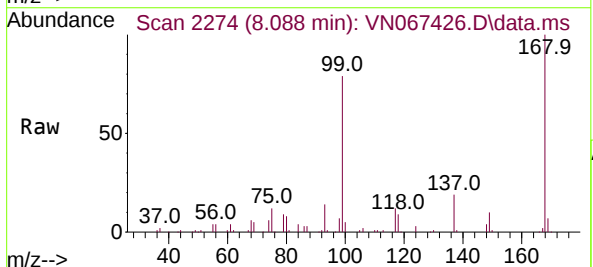
RT: 8.088 min Scan# 2274

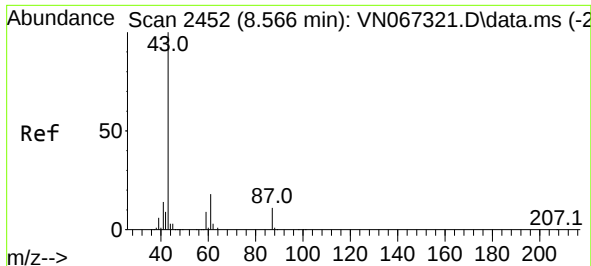
Delta R.T. -0.121 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

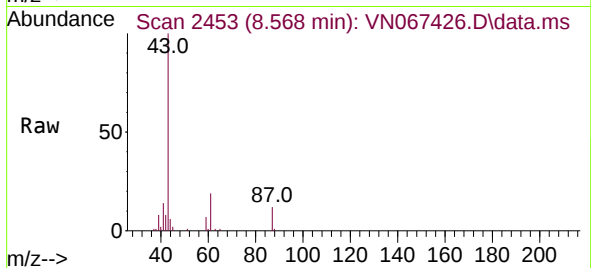
Tgt Ion:117	Resp:	36738	
Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.4	113.2#
121	0.0	23.5	35.3#



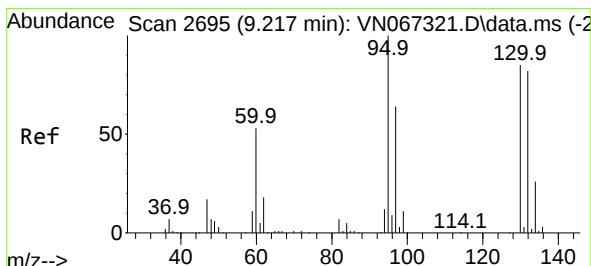
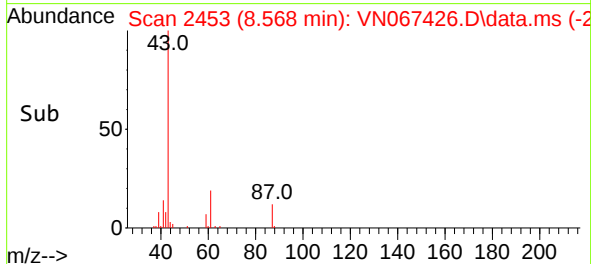
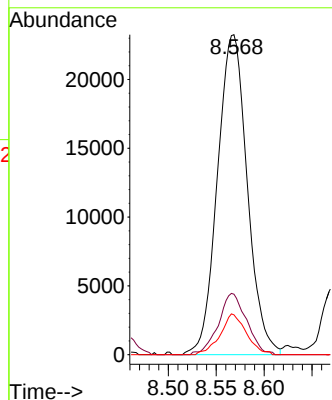


#43
Isopropyl Acetate
Concen: 3.93 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

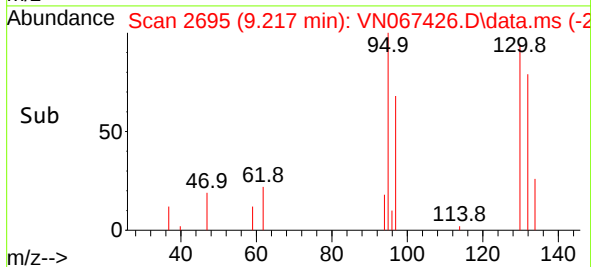
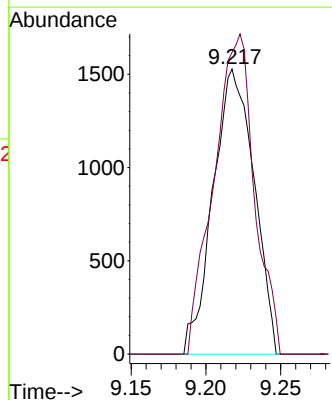
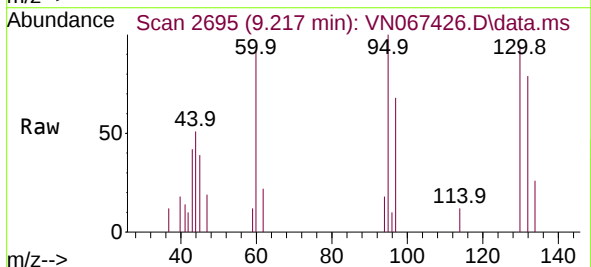


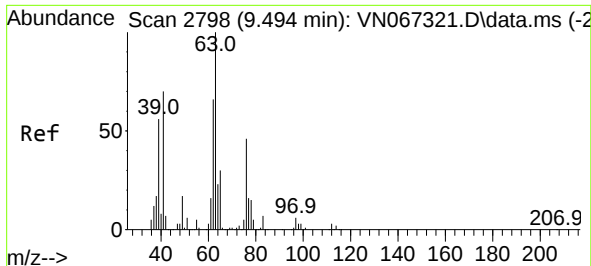
Tgt Ion: 43 Resp: 50346
Ion Ratio Lower Upper
43 100
61 18.1 19.0 28.4#
87 11.2 9.5 14.3



#44
Trichloroethene
Concen: 0.66 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 130 Resp: 2911
Ion Ratio Lower Upper
130 100
95 105.9 0.0 234.4





#45

1,2-Dichloropropane

Concen: 0.51 ug/l

RT: 9.633 min Scan# 2850

Delta R.T. 0.139 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

Instrument :

MSVOA_N

ClientSampleId :

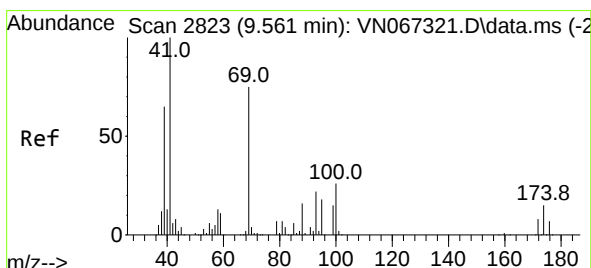
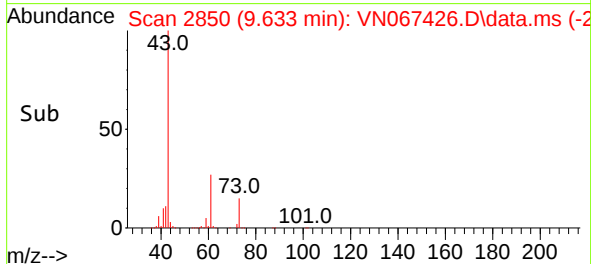
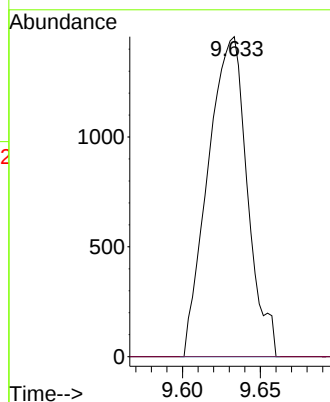
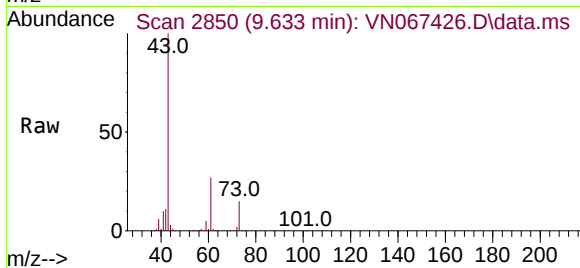
PHC-250EM-001

Tgt Ion: 63 Resp: 2559

Ion Ratio Lower Upper

63 100

65 0.0 24.3 36.5#



#48

Methyl methacrylate

Concen: 2.51 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

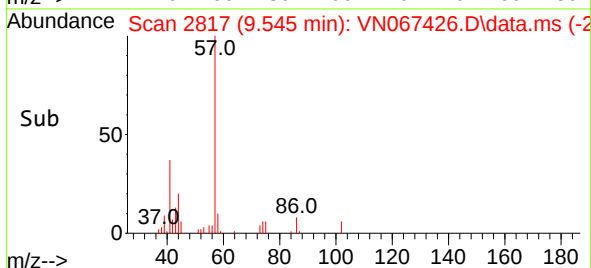
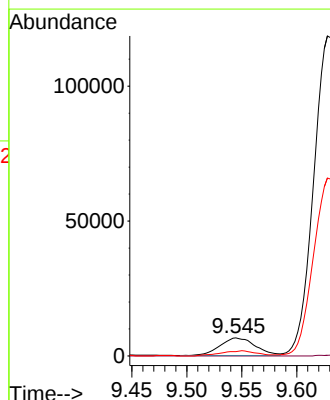
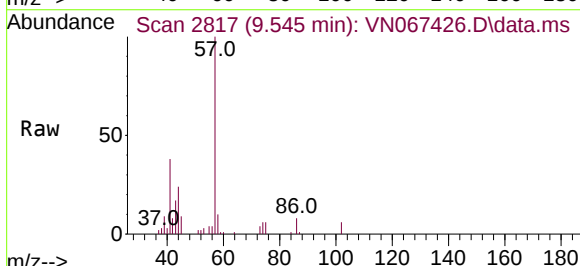
Tgt Ion: 41 Resp: 14673

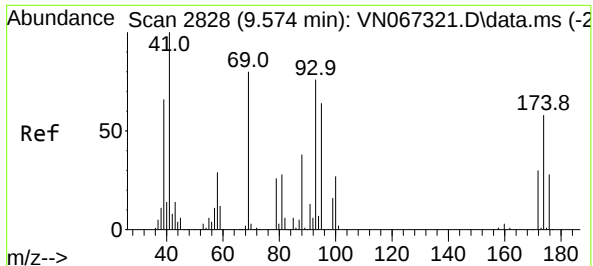
Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 29.9 53.3 79.9#





#49

1,4-Dioxane

Concen: 0.74 ug/l

RT: 9.590 min Scan# 2834

Delta R.T. 0.016 min

Lab File: VN067426.D

Acq: 21 Jun 2021 19:04

Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

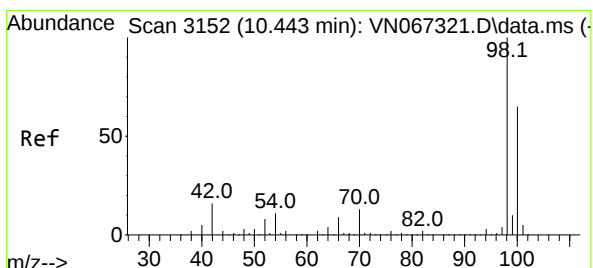
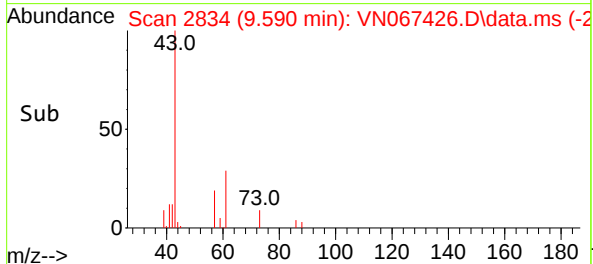
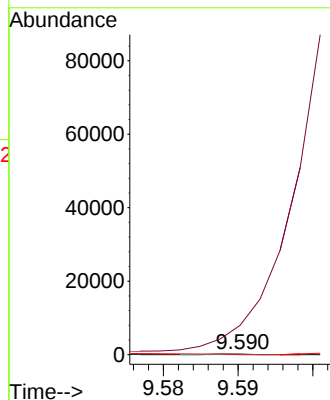
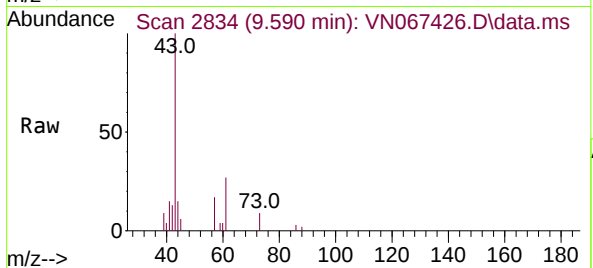
58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

PHC-250EM-001



#50

Toluene-d8

Concen: 50.66 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067426.D

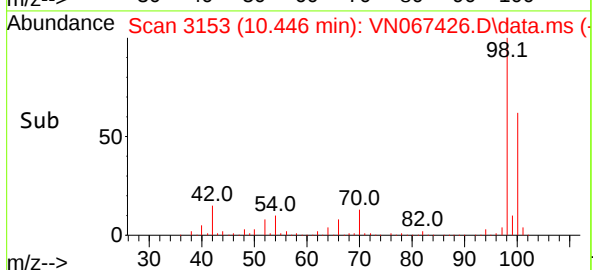
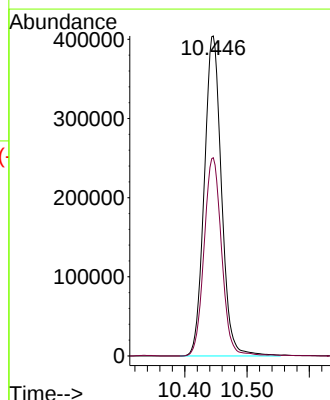
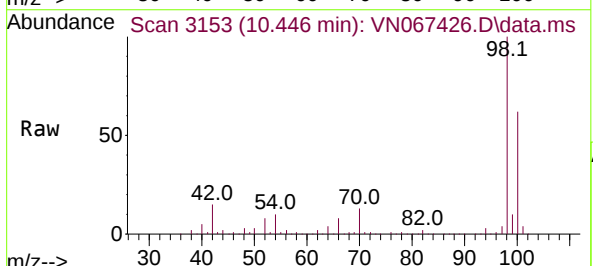
Acq: 21 Jun 2021 19:04

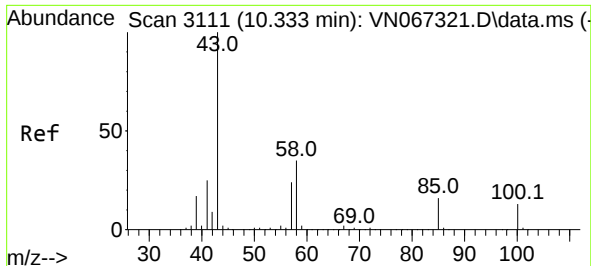
Tgt Ion: 98 Resp: 776495

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5

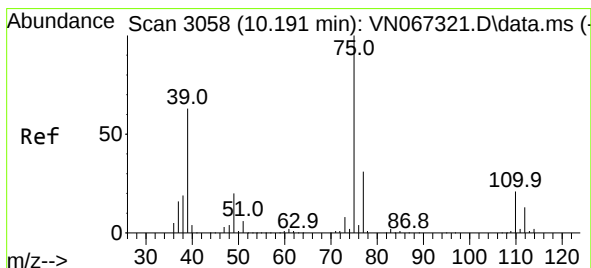
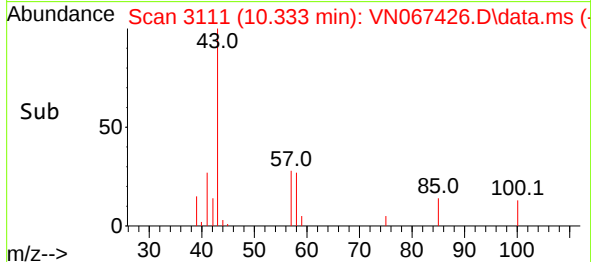
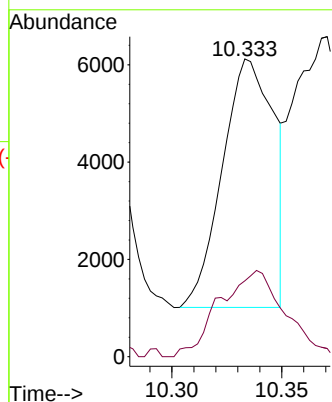
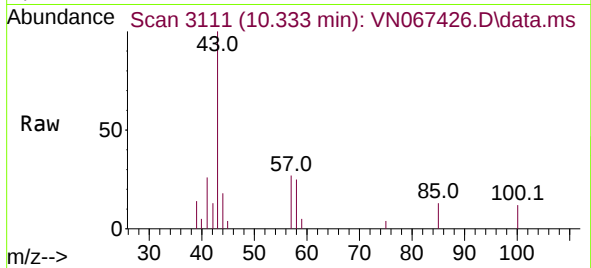




#51
4-Methyl-2-Pentanone
Concen: 1.13 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

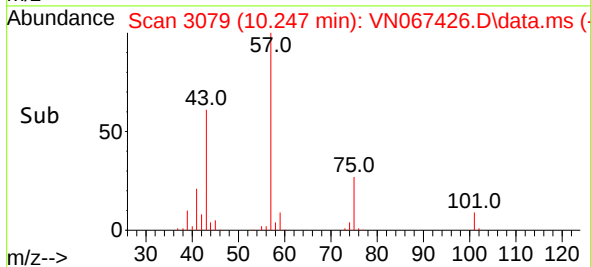
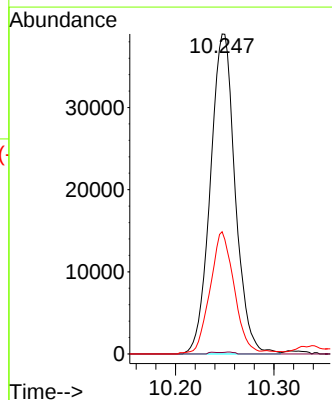
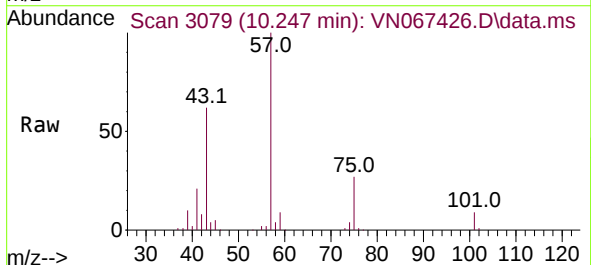
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

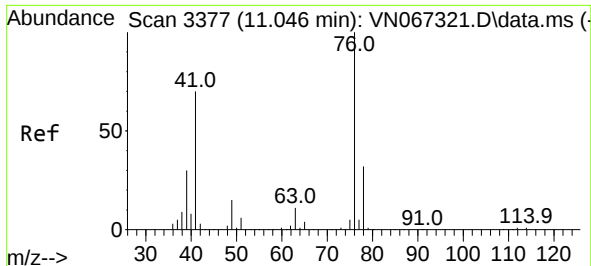
Tgt Ion: 43 Resp: 8313
Ion Ratio Lower Upper
43 100
58 43.8 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 7.97 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 75 Resp: 68325
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 37.8 50.7 76.1#

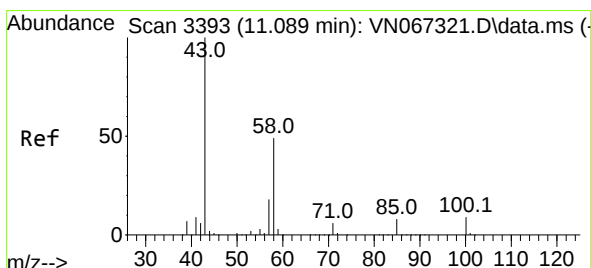
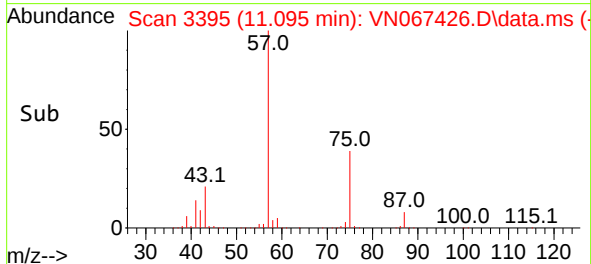
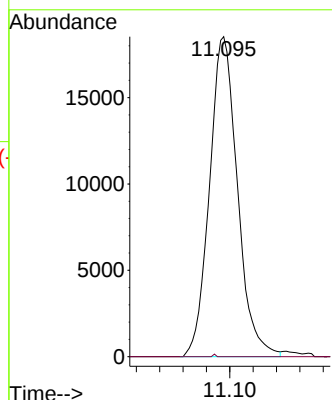
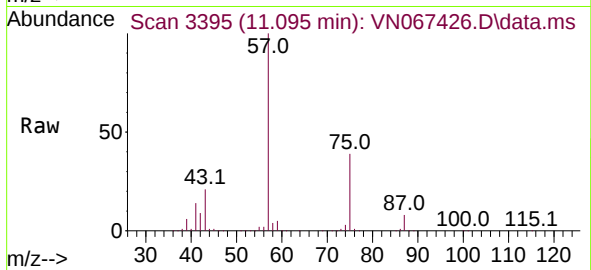




#57
1,3-Dichloropropane
Concen: 3.69 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

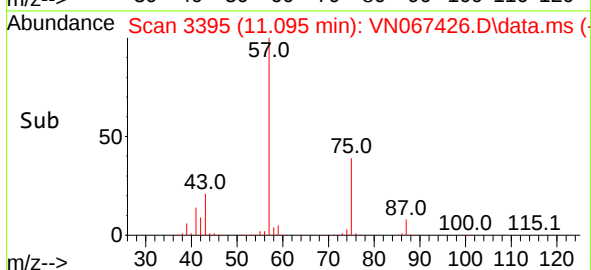
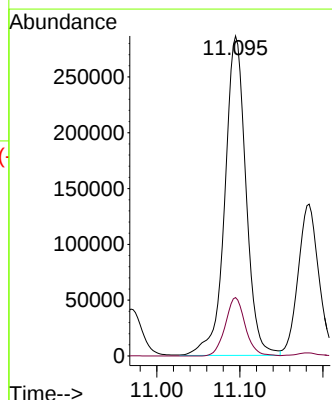
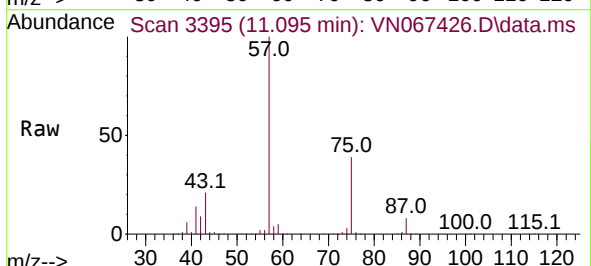
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

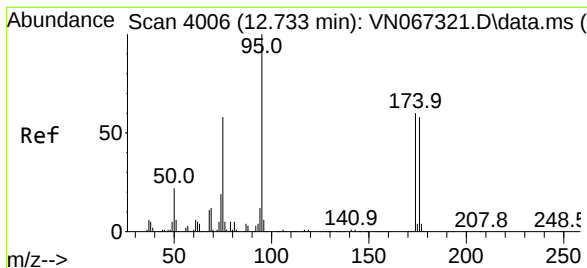
Tgt Ion: 76 Resp: 30811
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 93.63 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 43 Resp: 506283
Ion Ratio Lower Upper
43 100
58 17.3 24.7 74.1#

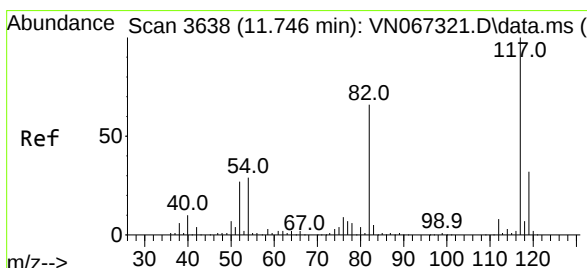
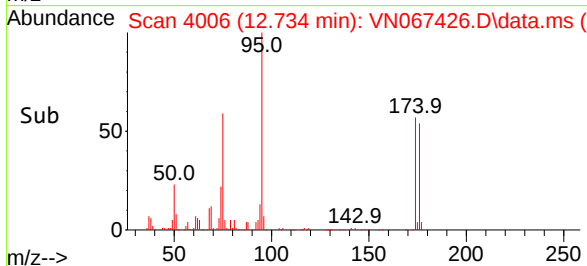
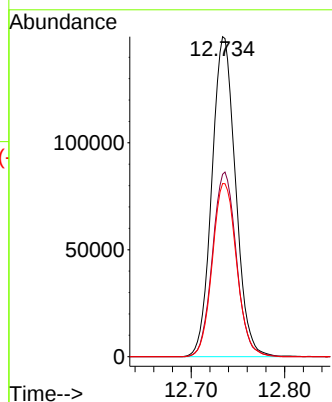
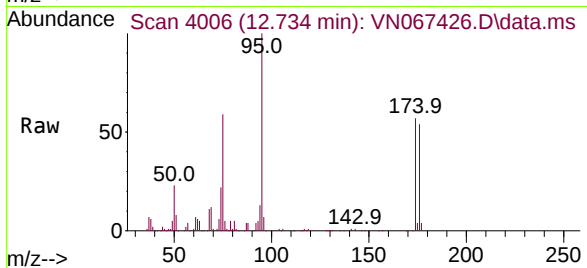




#62
4-Bromofluorobenzene
Concen: 41.61 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

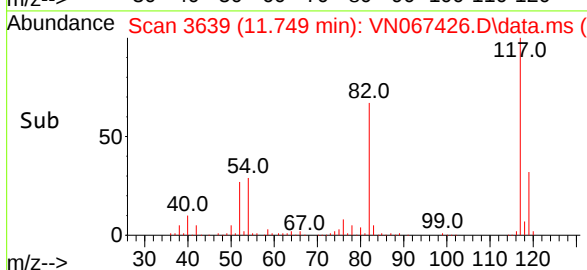
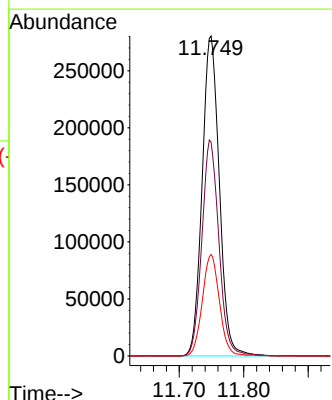
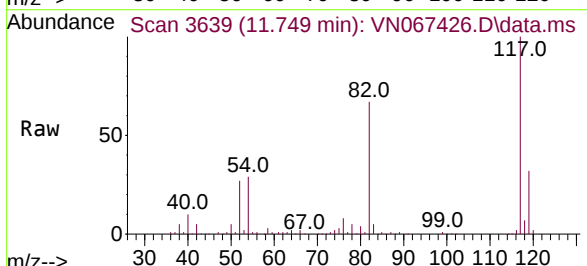
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

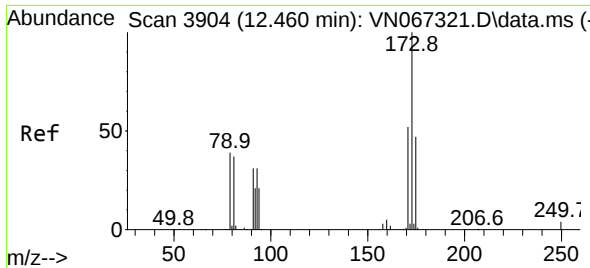
Tgt Ion: 95 Resp: 263230
Ion Ratio Lower Upper
95 100
174 58.3 0.0 122.0
176 55.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 117 Resp: 520626
Ion Ratio Lower Upper
117 100
82 66.9 53.1 79.7
119 31.7 25.5 38.3

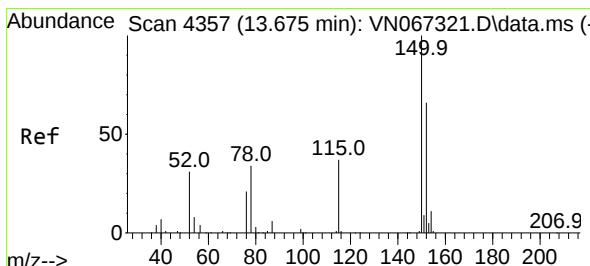
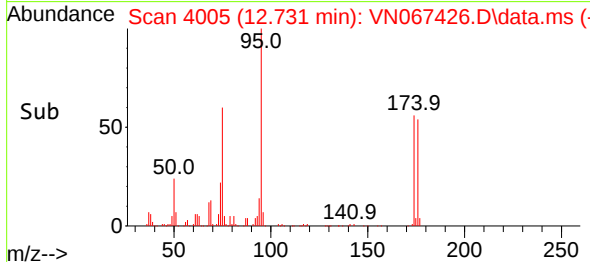
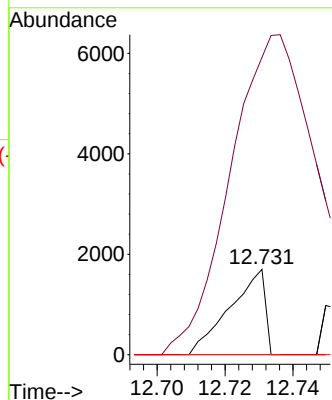
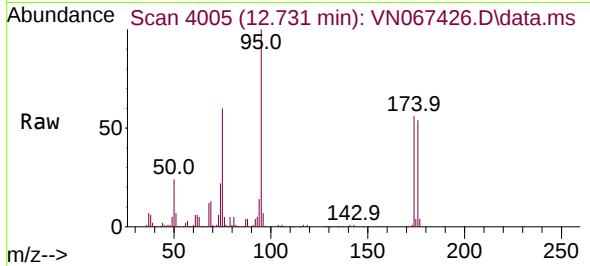




#71
Bromoform
Concen: 0.38 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

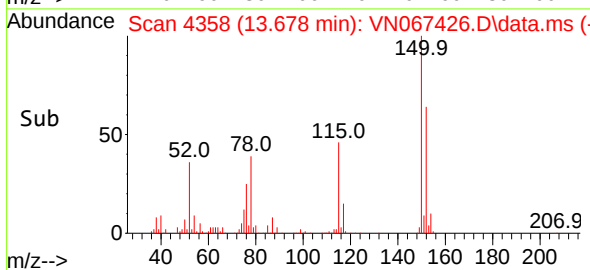
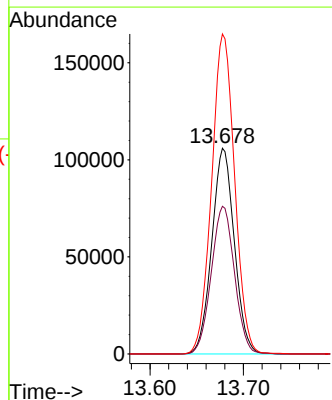
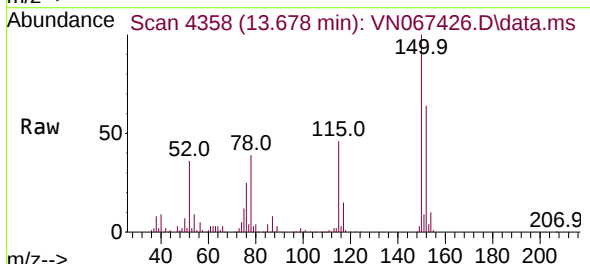
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

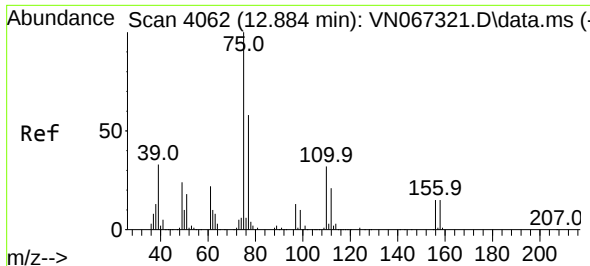
Tgt Ion:173 Resp: 1222
Ion Ratio Lower Upper
173 100
175 852.1 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion:152 Resp: 177803
Ion Ratio Lower Upper
152 100
115 73.9 36.1 108.5
150 158.7 0.0 351.8

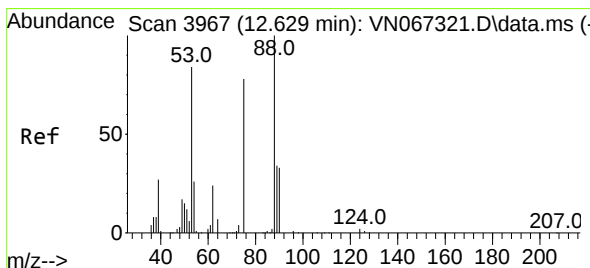
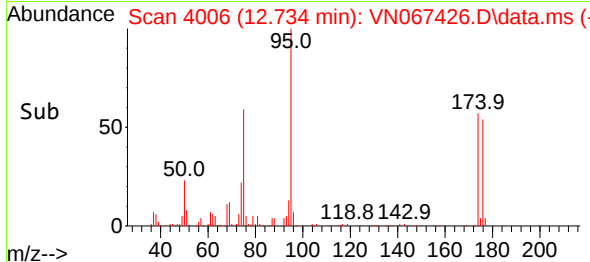
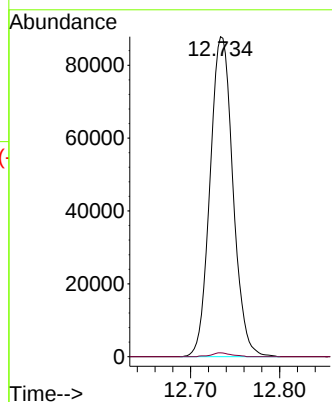
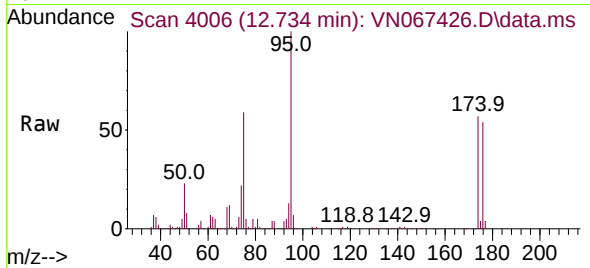




#76
1,2,3-Trichloropropane
Concen: 34.00 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

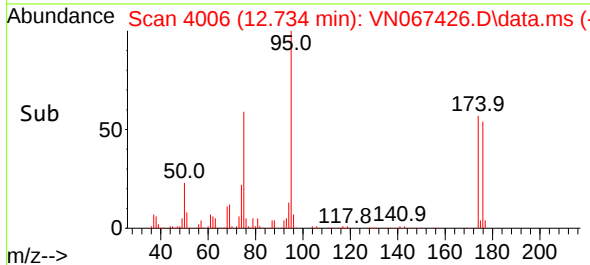
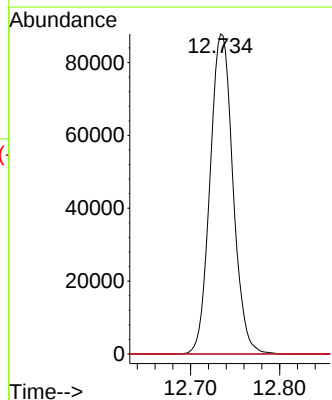
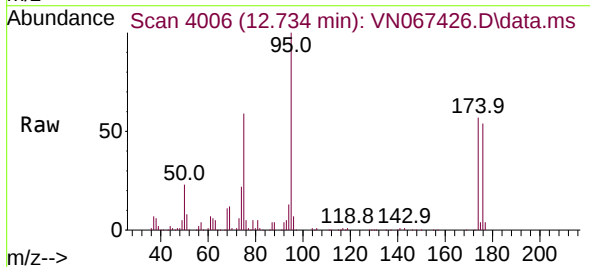
Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

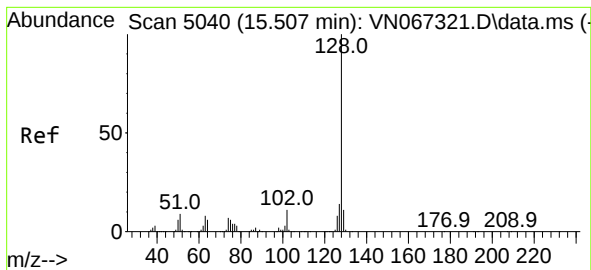
Tgt Ion: 75 Resp: 156988
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.26 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Tgt Ion: 75 Resp: 156988
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.63 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN067426.D
Acq: 21 Jun 2021 19:04

Instrument :
MSVOA_N
ClientSampleId :
PHC-250EM-001

Tgt Ion:128 Resp: 298
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

