

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067188.D
 Acq On : 28 May 2021 17:12
 Operator : JC/MD
 Sample : PB136697ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB136697ZHE#05

Quant Time: May 29 02:25:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

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

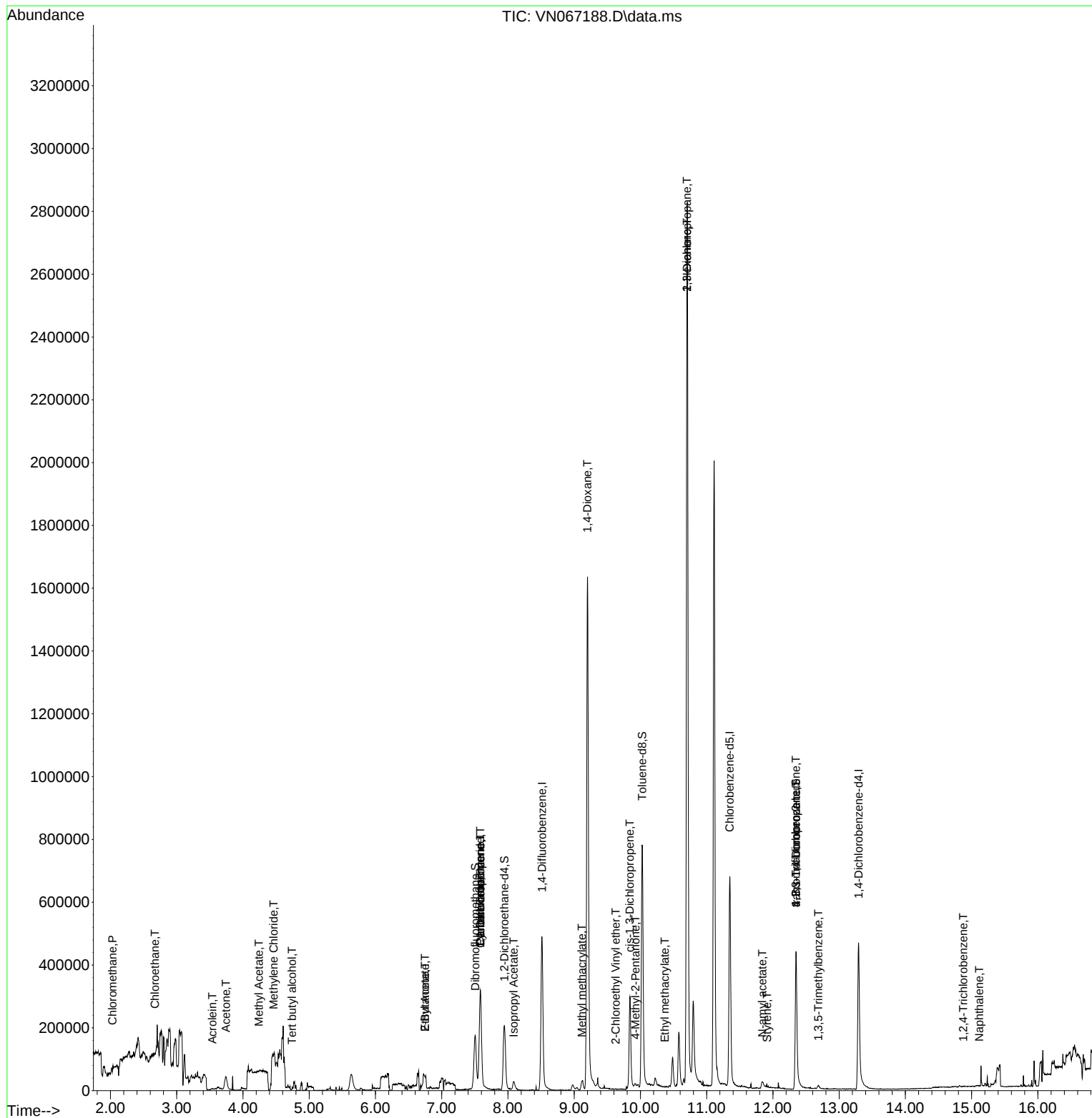
Internal Standards						
1) Pentafluorobenzene	7.583	168	249569	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.514	114	449608	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.349	117	398057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.293	152	147880	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	184014	47.51	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.02%		
35) Dibromofluoromethane	7.506	113	142468	51.63	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.26%		
50) Toluene-d8	10.027	98	552935	52.07	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.14%		
62) 4-Bromofluorobenzene	12.349	95	188327	51.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.76%		
Target Compounds					Qvalue	
3) Chloromethane	2.032	50	1032	0.23	ug/l #	73
6) Chloroethane	2.670	64	460	0.22	ug/l #	52
11) Tert butyl alcohol	4.741	59	445	0.55	ug/l #	13
13) Acrolein	3.539	56	514	0.76	ug/l #	16
16) Acetone	3.743	43	76289	47.92	ug/l	94
18) Methyl Acetate	4.239	43	10019	2.25	ug/l #	62
20) Methylene Chloride	4.464	84	27084	6.92	ug/l #	87
25) 2-Butanone	6.747	43	11660	4.61	ug/l	95
31) Cyclohexane	7.581	56	6520	1.09	ug/l #	26
36) 1,1-Dichloropropene	7.581	75	22733	5.00	ug/l #	45
37) Ethyl Acetate	6.747	43	11660	2.33	ug/l #	72
38) Carbon Tetrachloride	7.583	117	26807	6.05	ug/l #	17
43) Isopropyl Acetate	8.088	43	34997	4.03	ug/l #	87
48) Methyl methacrylate	9.115	41	5973	1.55	ug/l #	9
49) 1,4-Dioxane	9.201	88	468	68.52	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	5399	1.12	ug/l #	67
54) cis-1,3-Dichloropropene	9.842	75	55329	9.60	ug/l #	64
56) Ethyl methacrylate	10.367	69	95	2.81	ug/l #	31
57) 1,3-Dichloropropane	10.705	76	29316	5.22	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.627	63	51	6.77	ug/l #	45
59) 2-Hexanone	10.705	43	426801	126.95	ug/l #	46
70) Styrene	11.912	104	104	2.51	ug/l #	26
74) N-amyl acetate	11.840	43	9182	3.36	ug/l #	49
76) 1,2,3-Trichloropropane	12.349	75	91756	22.29	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.687	105	5643	0.47	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.349	75	91756	63.57	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.873	180	26	3.27	ug/l #	87
95) Naphthalene	15.114	128	380	3.91	ug/l #	67

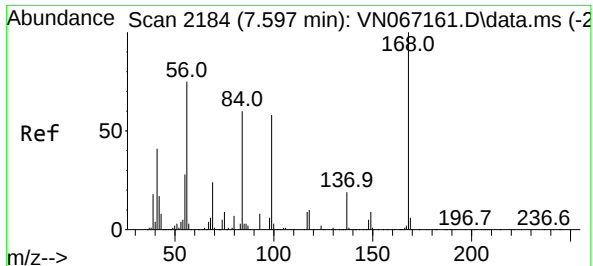
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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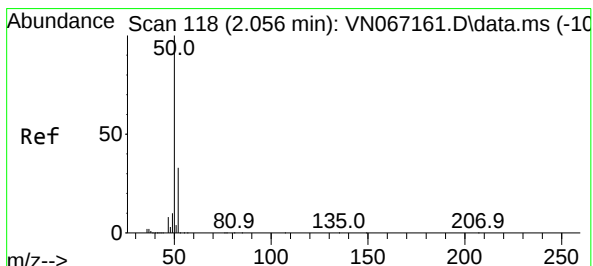
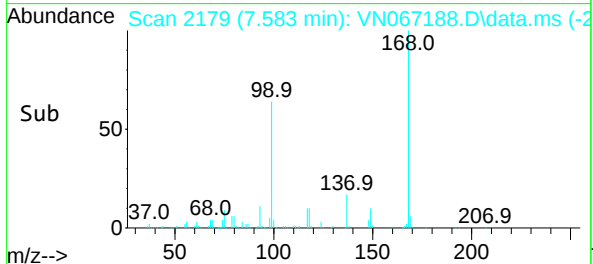
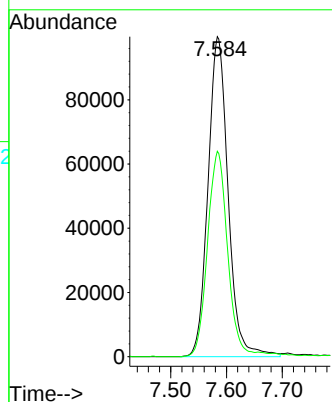
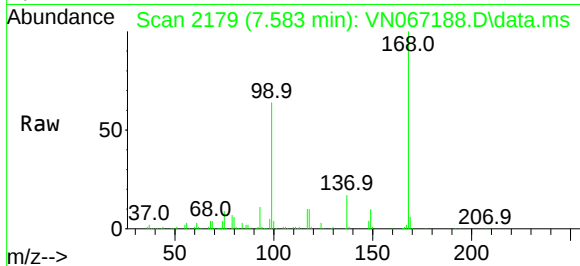




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.583 min Scan# 2179
Delta R.T. -0.014 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

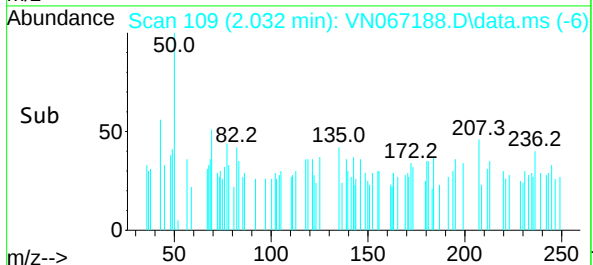
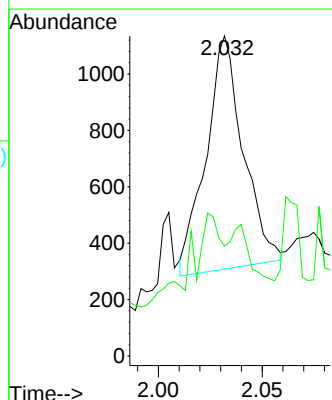
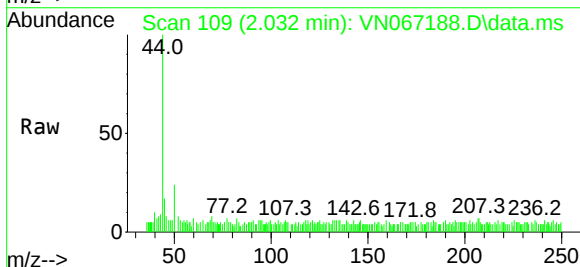
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

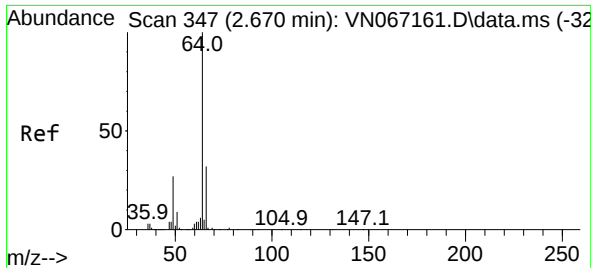
Tgt Ion:168 Resp: 249569
Ion Ratio Lower Upper
168 100
99 64.2 38.5 57.7#



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.032 min Scan# 109
Delta R.T. -0.024 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 50 Resp: 1032
Ion Ratio Lower Upper
50 100
52 17.7 26.5 39.7#

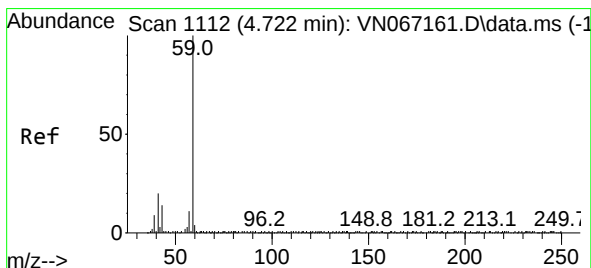
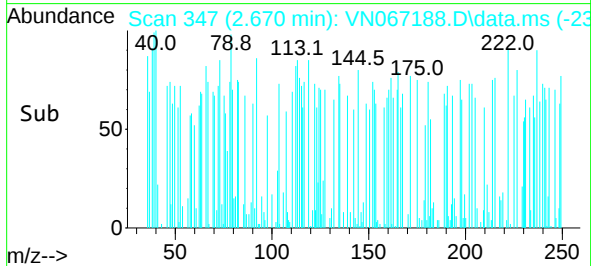
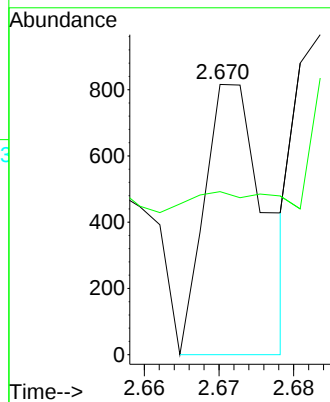
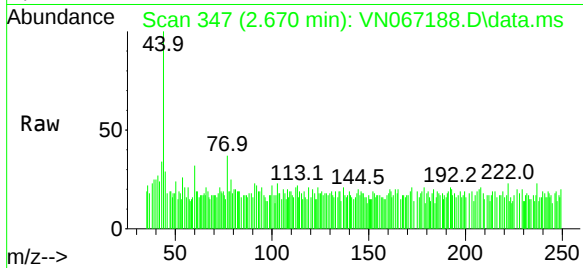




#6
Chloroethane
Concen: 0.22 ug/l
RT: 2.670 min Scan# 347
Delta R.T. 0.000 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

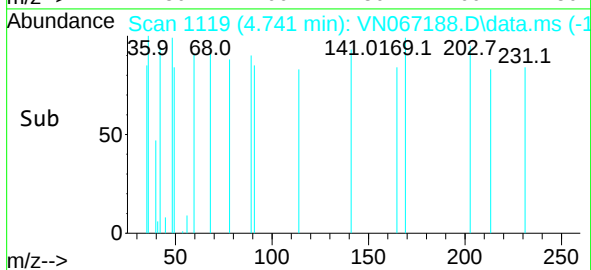
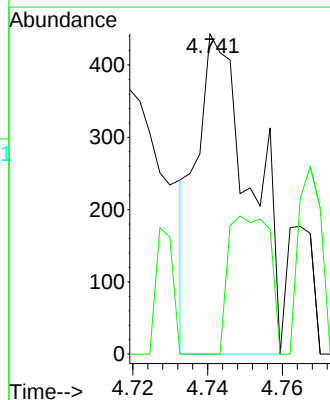
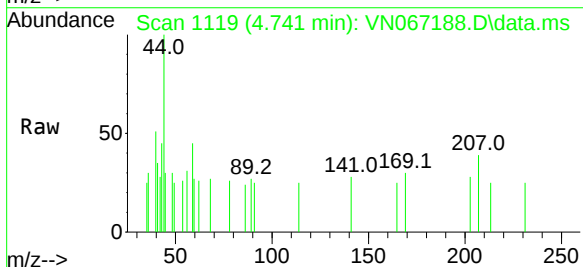
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

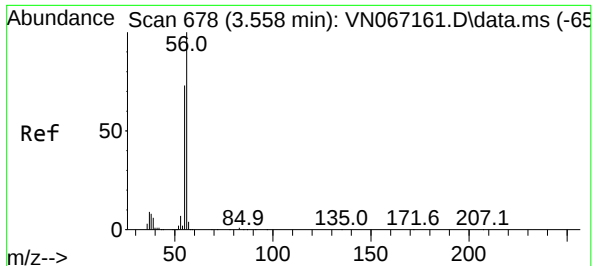
Tgt Ion: 64 Resp: 460
Ion Ratio Lower Upper
64 100
66 4.5 25.0 37.6#



#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 4.741 min Scan# 1119
Delta R.T. 0.019 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 33.0 3.5 5.3#

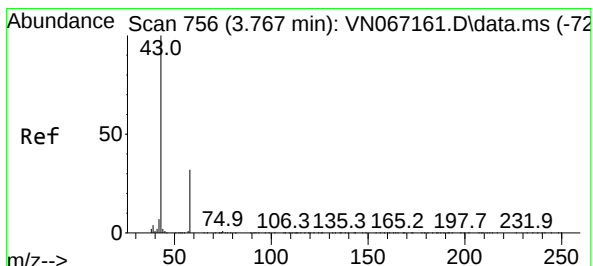
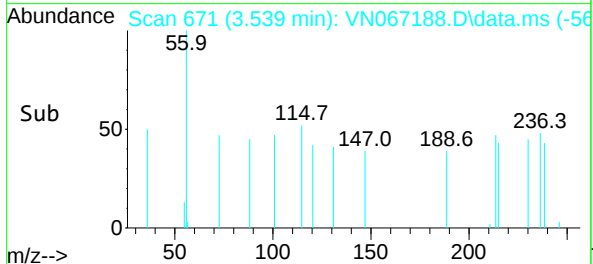
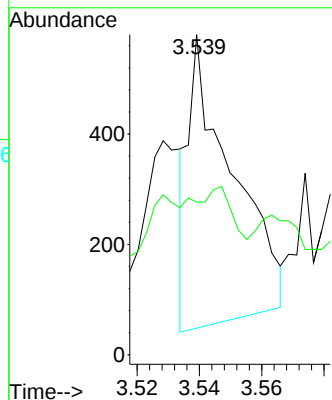
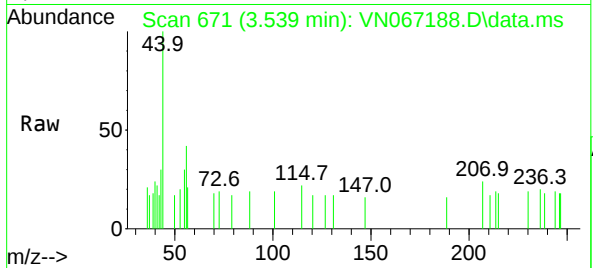




#13
Acrolein
Concen: 0.76 ug/l
RT: 3.539 min Scan# 671
Delta R.T. -0.019 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

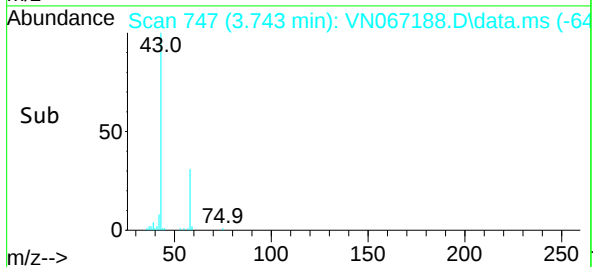
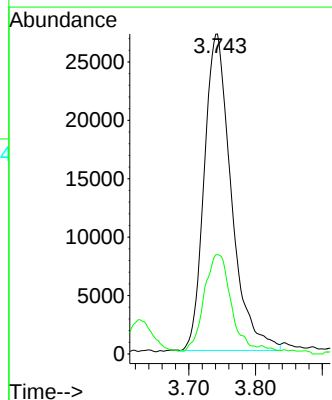
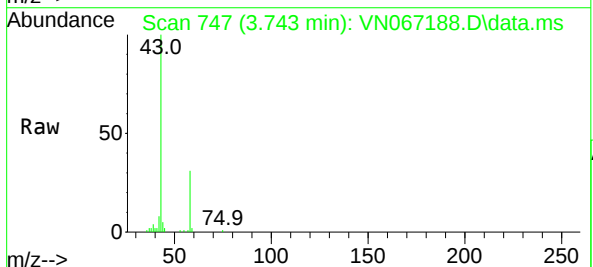
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

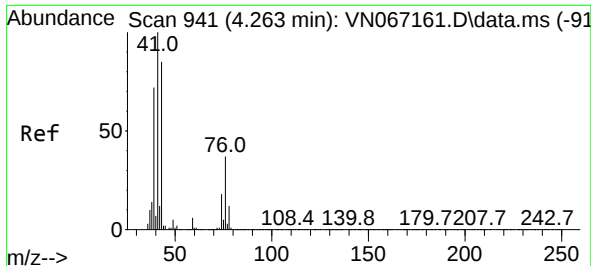
Tgt Ion: 56 Resp: 514
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.6#



#16
Acetone
Concen: 47.92 ug/l
RT: 3.743 min Scan# 747
Delta R.T. -0.024 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 43 Resp: 76289
Ion Ratio Lower Upper
43 100
58 30.5 27.2 40.8

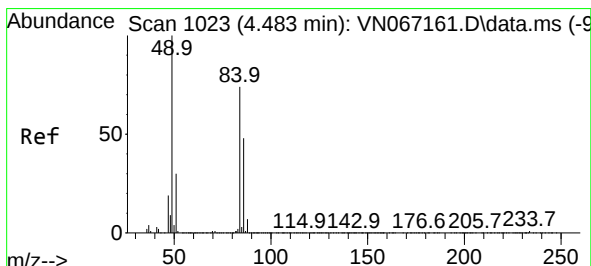
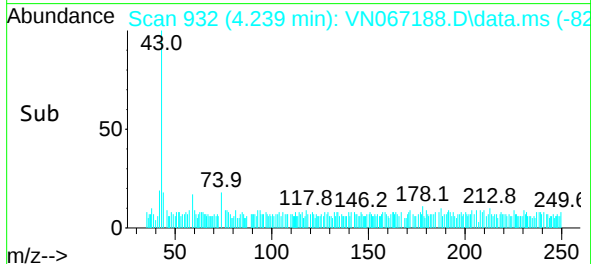
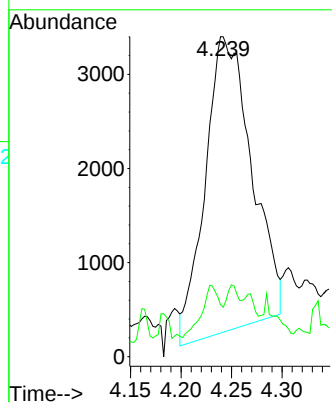
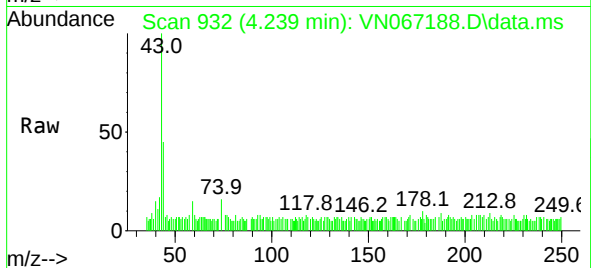




#18
Methyl Acetate
Concen: 2.25 ug/l
RT: 4.239 min Scan# 932
Delta R.T. -0.024 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

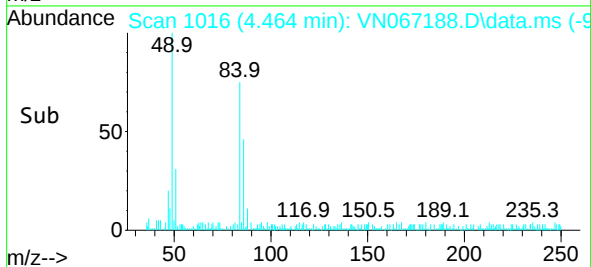
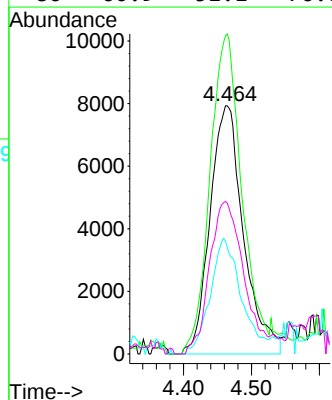
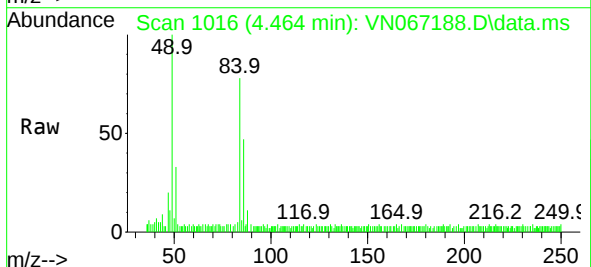
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

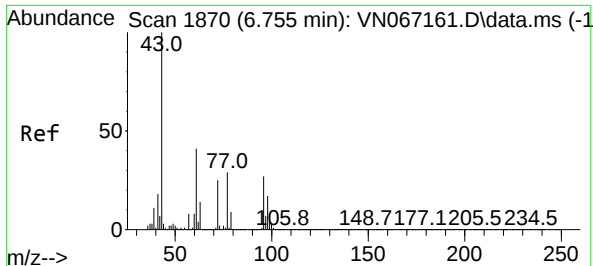
Tgt Ion: 43 Resp: 10019
Ion Ratio Lower Upper
43 100
74 7.1 21.4 32.2#



#20
Methylene Chloride
Concen: 6.92 ug/l
RT: 4.464 min Scan# 1016
Delta R.T. -0.019 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 84 Resp: 27084
Ion Ratio Lower Upper
84 100
49 128.9 88.3 132.5
51 42.9 26.7 40.1#
86 60.9 51.1 76.7





#25

2-Butanone

Concen: 4.61 ug/l

RT: 6.747 min Scan# 1867

Delta R.T. -0.008 min

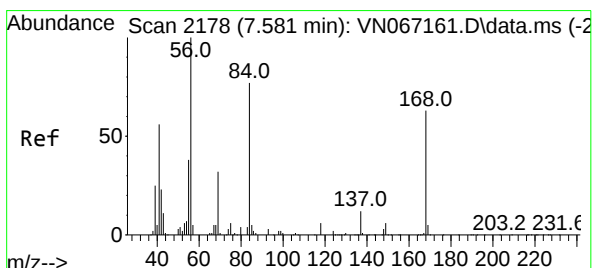
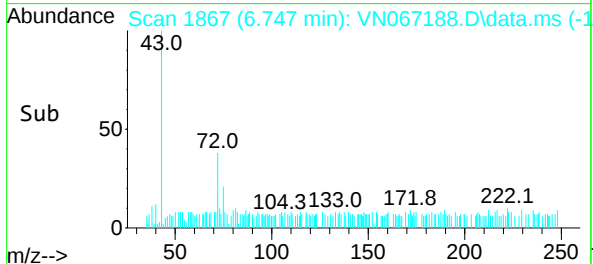
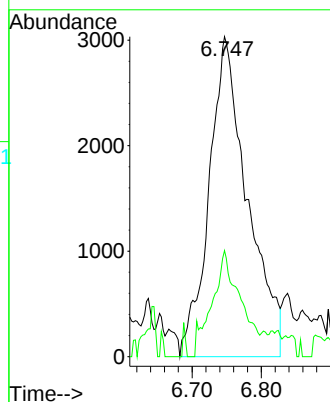
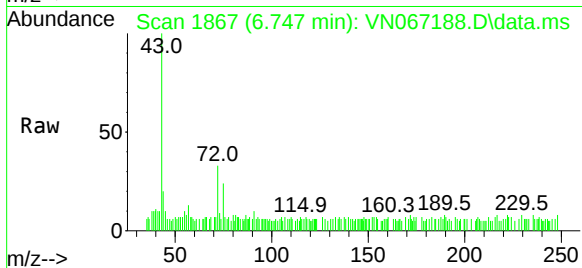
Lab File: VN067188.D

Acq: 28 May 2021 17:12

Tgt Ion: 43 Resp: 11660

Ion Ratio Lower Upper

43	100		
72	33.2	24.4	36.6



#31

Cyclohexane

Concen: 1.09 ug/l

RT: 7.581 min Scan# 2178

Delta R.T. -0.000 min

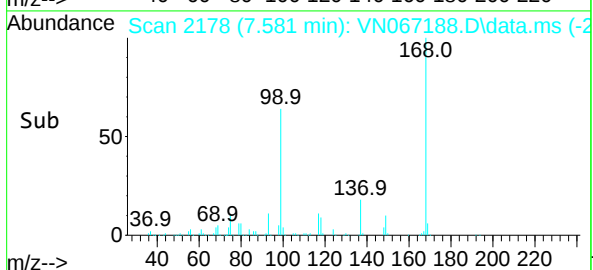
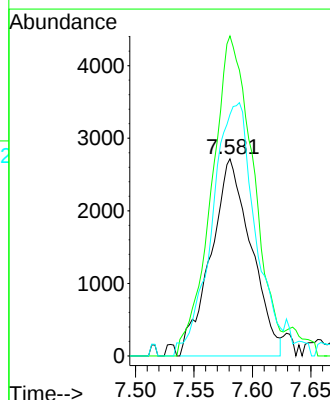
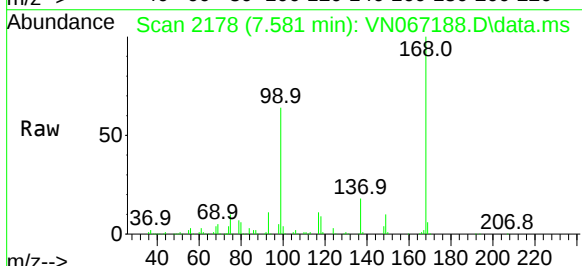
Lab File: VN067188.D

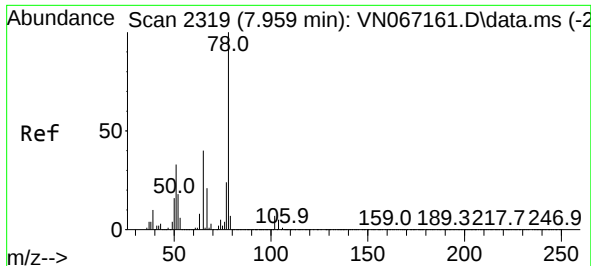
Acq: 28 May 2021 17:12

Tgt Ion: 56 Resp: 6520

Ion Ratio Lower Upper

56	100		
69	153.9	28.0	42.0#
84	116.0	74.2	111.2#

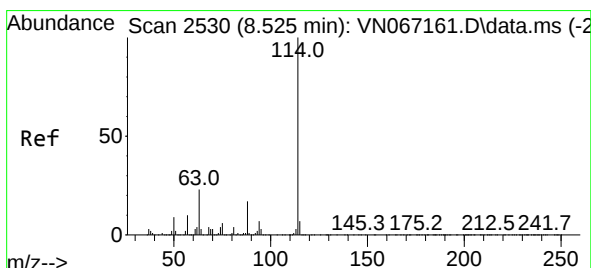
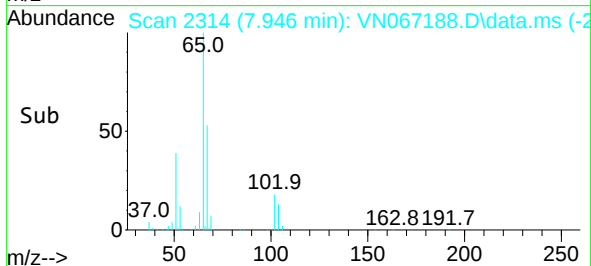
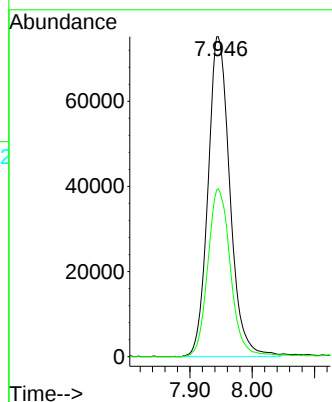
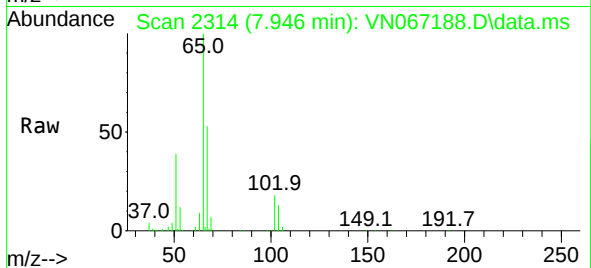




#33
1,2-Dichloroethane-d4
Concen: 47.51 ug/l
RT: 7.946 min Scan# 2314
Delta R.T. -0.013 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

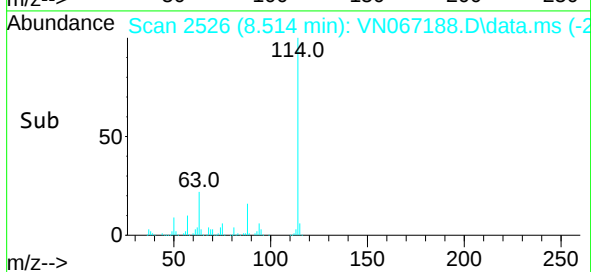
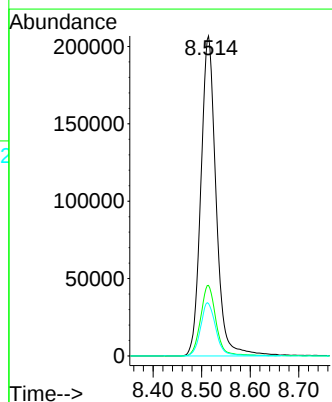
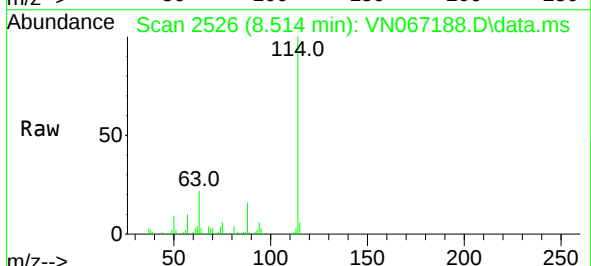
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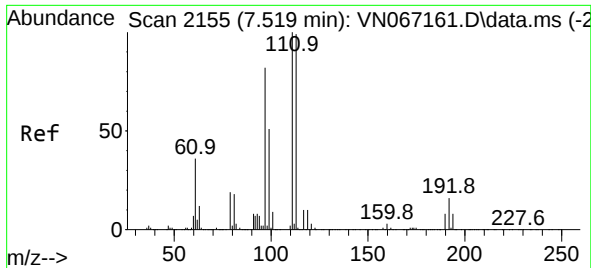
Tgt Ion: 65 Resp: 184014
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.514 min Scan# 2526
Delta R.T. -0.011 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 114 Resp: 449608
Ion Ratio Lower Upper
114 100
63 22.1 0.0 35.8
88 16.4 0.0 30.4

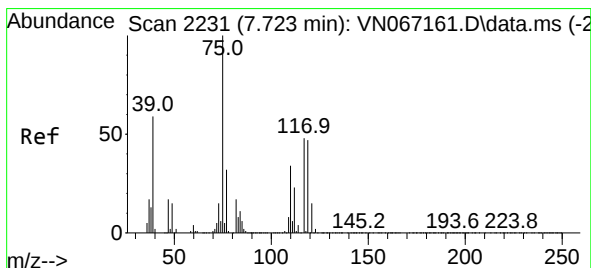
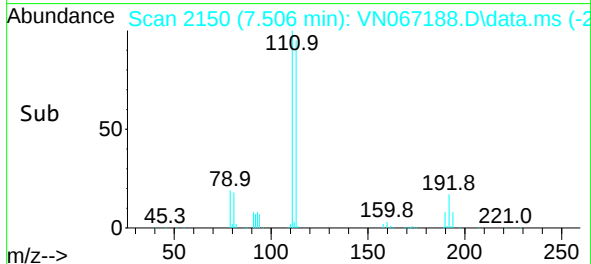
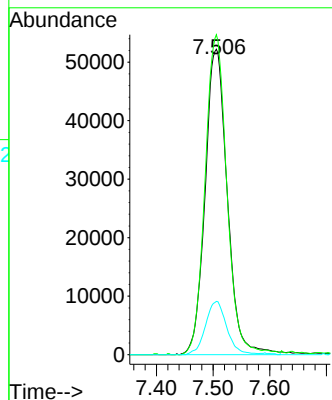
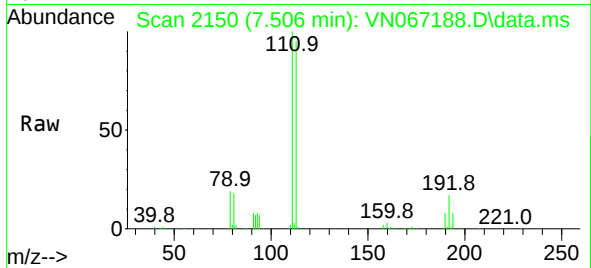




#35
Dibromofluoromethane
Concen: 51.63 ug/l
RT: 7.506 min Scan# 2150
Delta R.T. -0.013 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

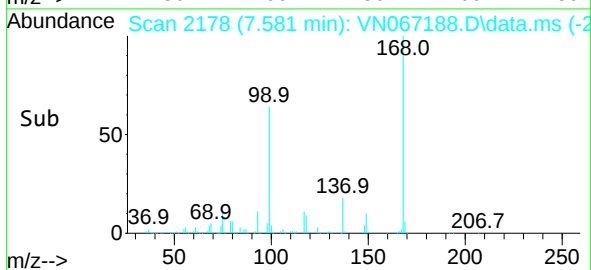
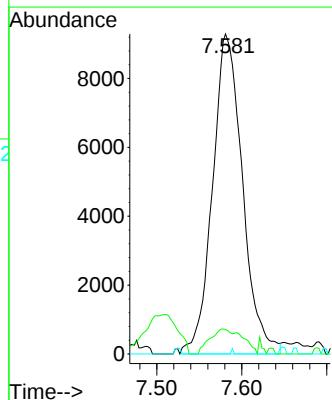
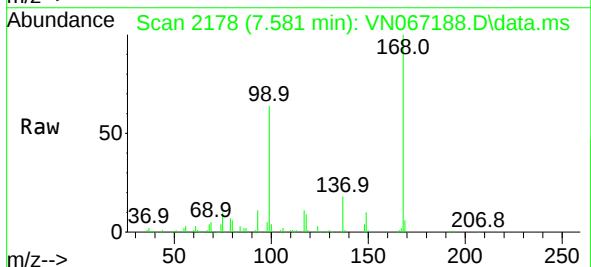
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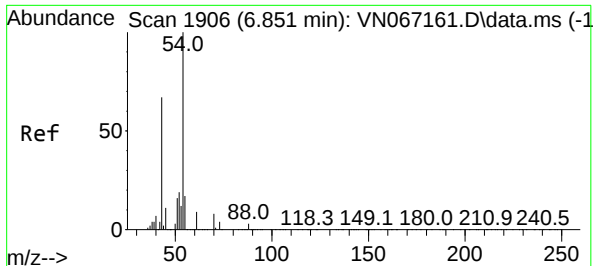
Tgt Ion:113 Resp: 142468
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 16.7 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.142 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 75 Resp: 22733
Ion Ratio Lower Upper
75 100
110 5.6 19.1 57.3#
77 0.1 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.33 ug/l

RT: 6.747 min Scan# 1867

Delta R.T. -0.104 min

Lab File: VN067188.D

Acq: 28 May 2021 17:12

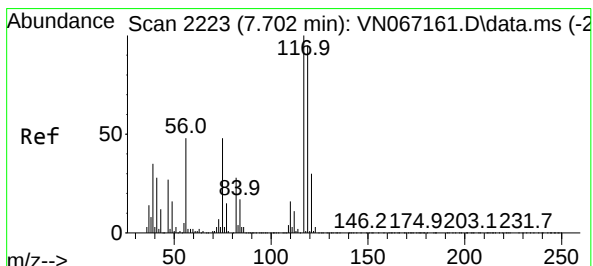
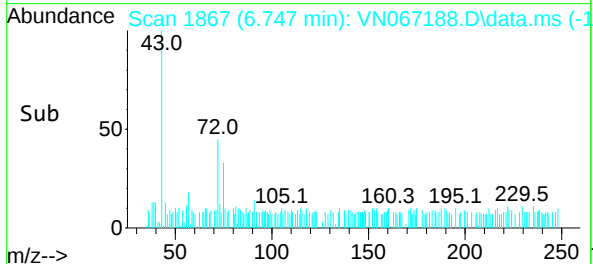
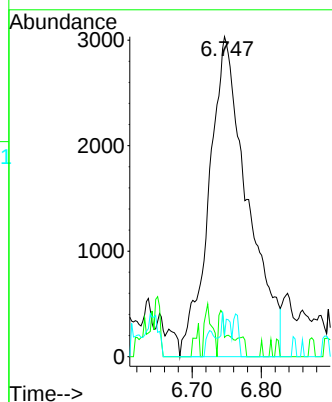
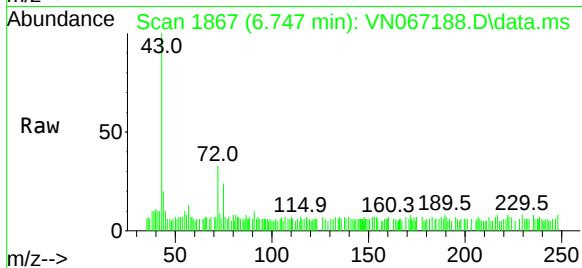
Instrument :

MSVOA_N

ClientSampleId :

PB136697ZHE#05

Tgt Ion:	43	Resp:	11660
Ion	Ratio	Lower	Upper
43	100		
61	3.5	13.0	19.4#
70	1.4	9.2	13.8#



#38

Carbon Tetrachloride

Concen: 6.05 ug/l

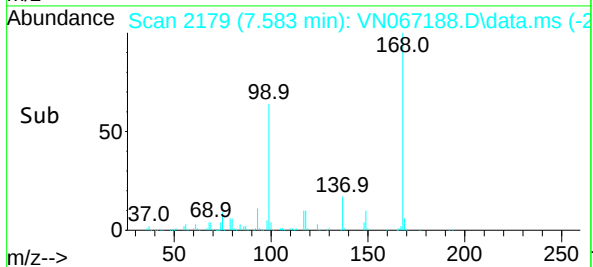
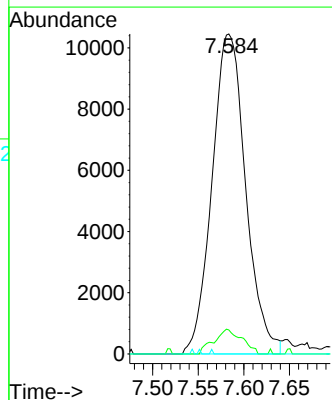
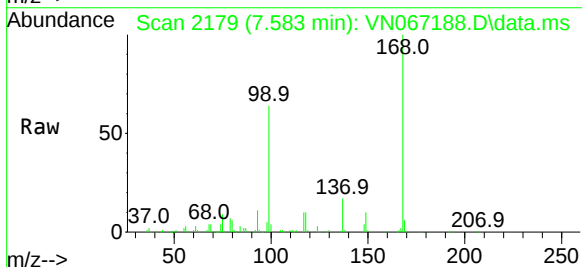
RT: 7.583 min Scan# 2179

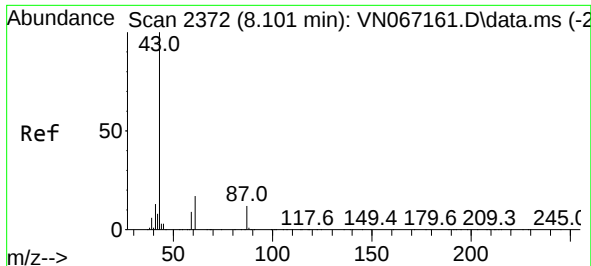
Delta R.T. -0.119 min

Lab File: VN067188.D

Acq: 28 May 2021 17:12

Tgt Ion:	117	Resp:	26807
Ion	Ratio	Lower	Upper
117	100		
119	7.5	78.2	117.2#
121	0.0	24.7	37.1#

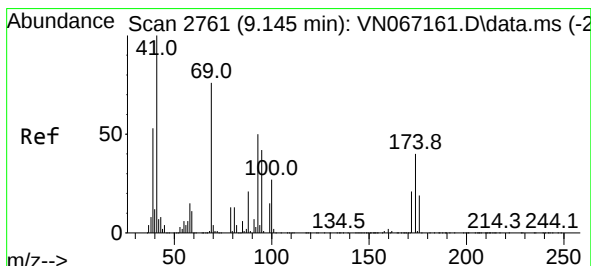
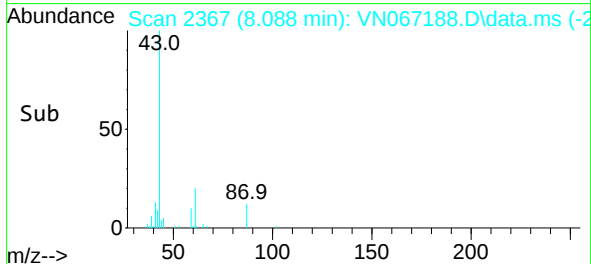
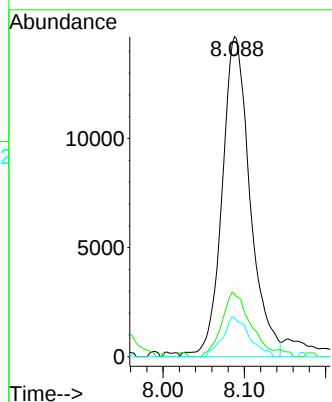
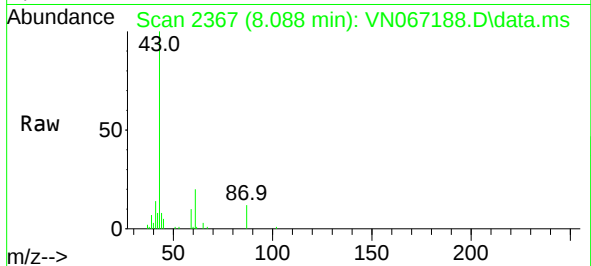




#43
Isopropyl Acetate
Concen: 4.03 ug/l
RT: 8.088 min Scan# 2367
Delta R.T. -0.013 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

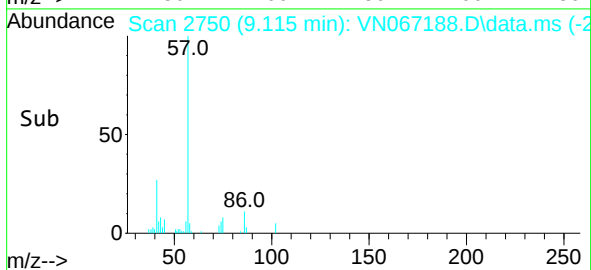
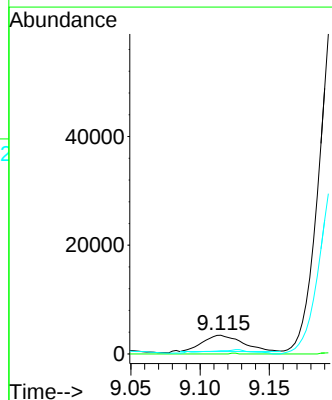
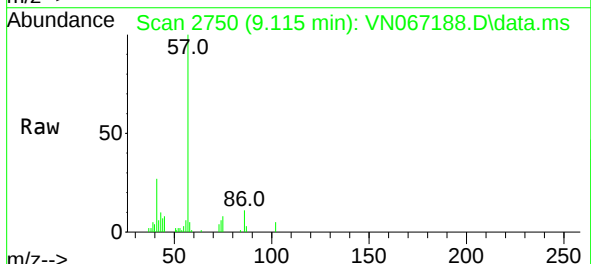
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

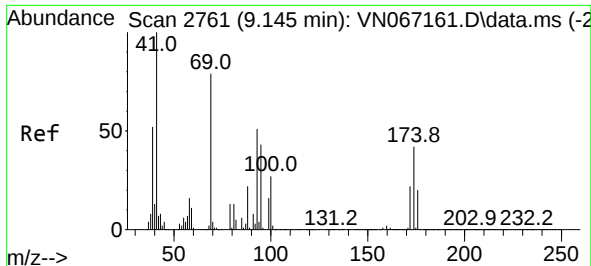
Tgt Ion: 43 Resp: 34997
Ion Ratio Lower Upper
43 100
61 20.5 23.4 35.0#
87 11.8 12.2 18.2#



#48
Methyl methacrylate
Concen: 1.55 ug/l
RT: 9.115 min Scan# 2750
Delta R.T. -0.030 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 41 Resp: 5973
Ion Ratio Lower Upper
41 100
69 0.9 80.5 120.7#
39 0.0 41.4 62.0#

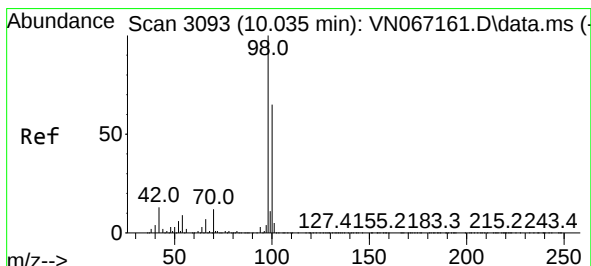
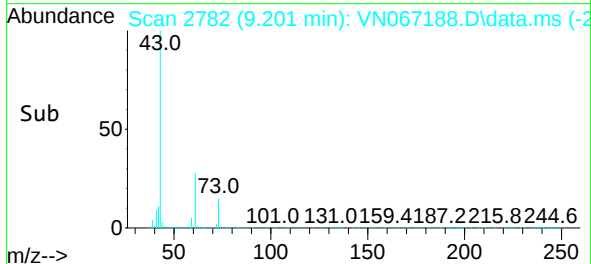
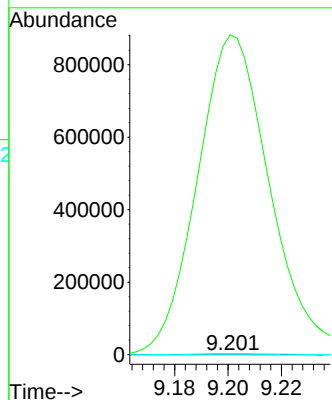
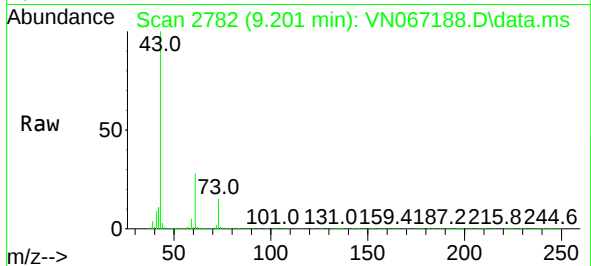




#49
1,4-Dioxane
Concen: 68.52 ug/l
RT: 9.201 min Scan# 2782
Delta R.T. 0.056 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

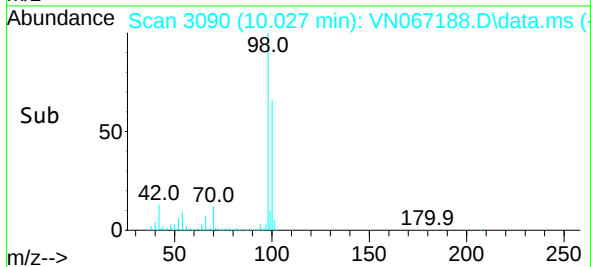
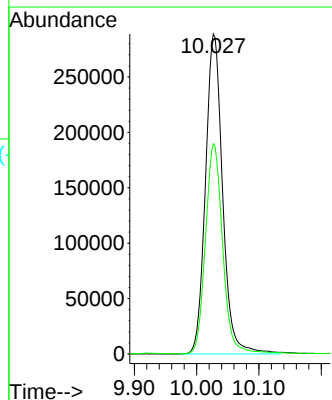
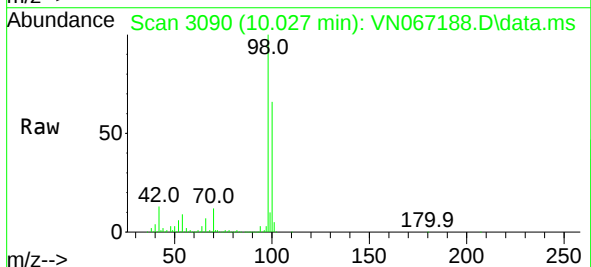
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

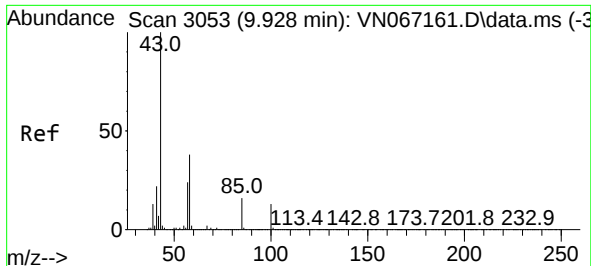
Tgt Ion: 88 Resp: 468
Ion Ratio Lower Upper
88 100
43 372956.4 21.8 32.8#
58 1468.2 50.8 76.2#



#50
Toluene-d8
Concen: 52.07 ug/l
RT: 10.027 min Scan# 3090
Delta R.T. -0.008 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 98 Resp: 552935
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.8

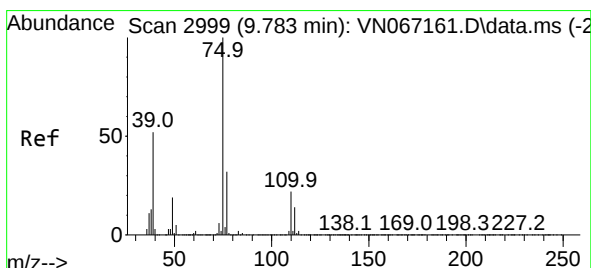
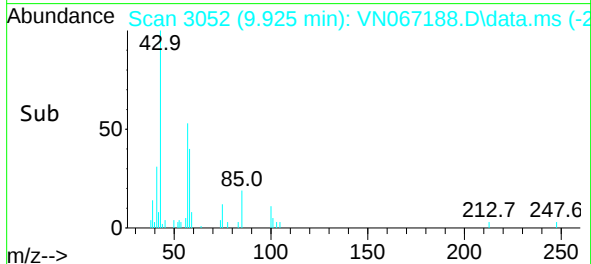
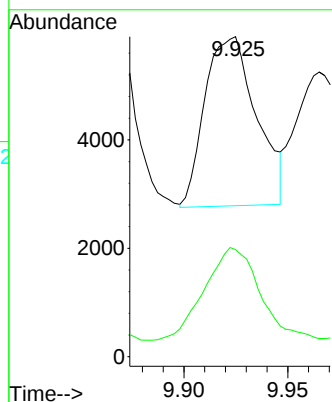
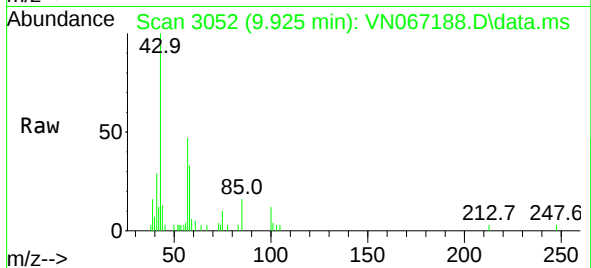




#51
4-Methyl-2-Pentanone
Concen: 1.12 ug/l
RT: 9.925 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

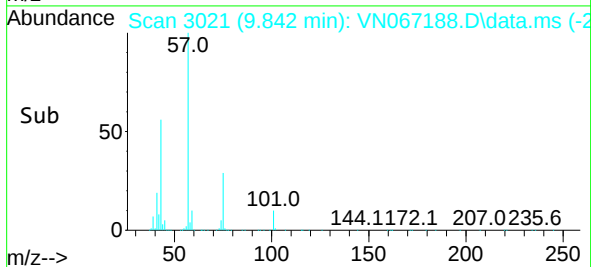
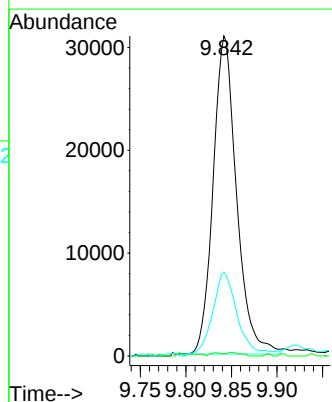
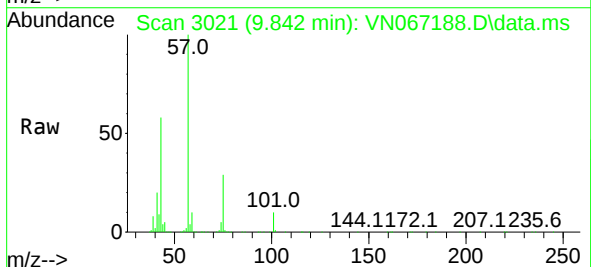
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

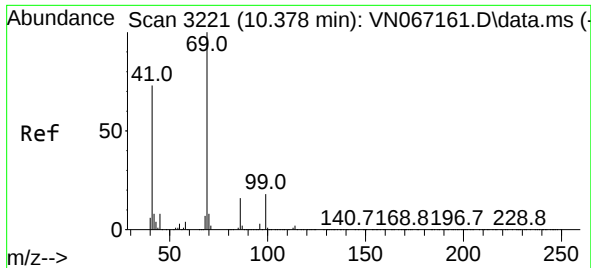
Tgt Ion: 43 Resp: 5399
Ion Ratio Lower Upper
43 100
58 64.0 34.5 51.7#



#54
cis-1,3-Dichloropropene
Concen: 9.60 ug/l
RT: 9.842 min Scan# 3021
Delta R.T. 0.059 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 75 Resp: 55329
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 26.4 30.9 46.3#

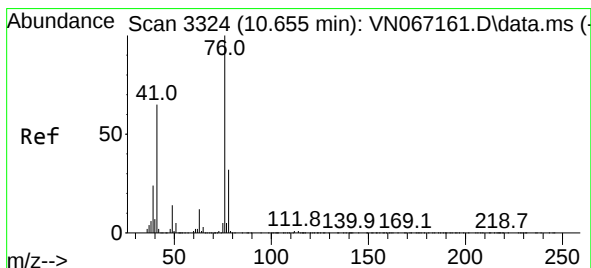
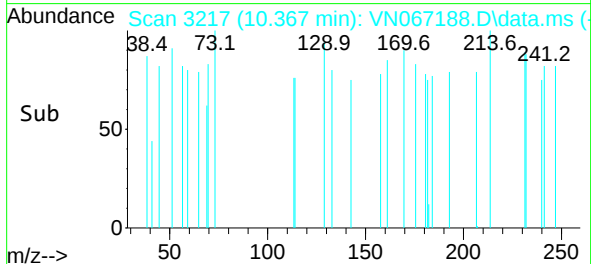
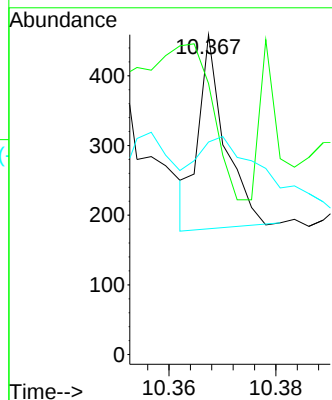
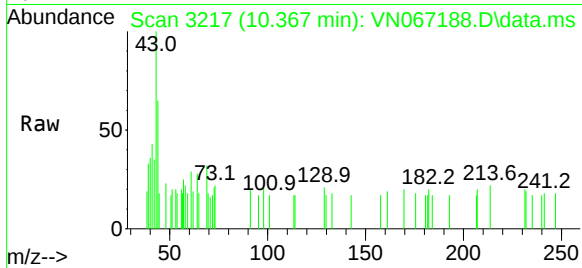




#56
Ethyl methacrylate
Concen: 2.81 ug/l
RT: 10.367 min Scan# 3217
Delta R.T. -0.011 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

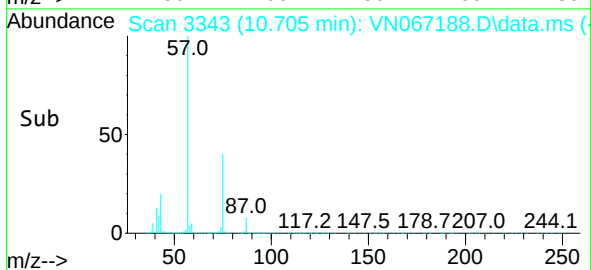
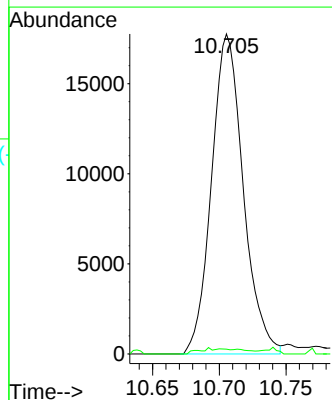
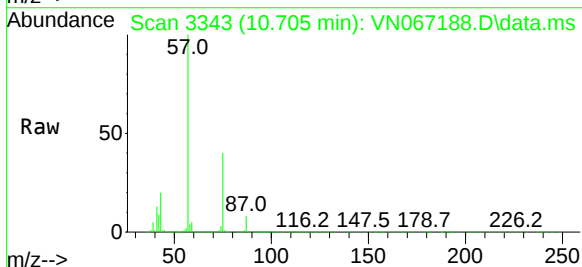
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

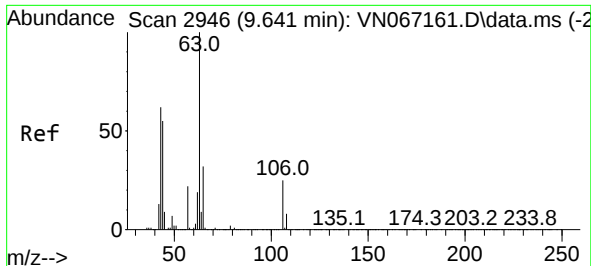
Tgt Ion: 69 Resp: 95
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#



#57
1,3-Dichloropropane
Concen: 5.22 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.050 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 76 Resp: 29316
Ion Ratio Lower Upper
76 100
78 0.2 26.3 39.5#

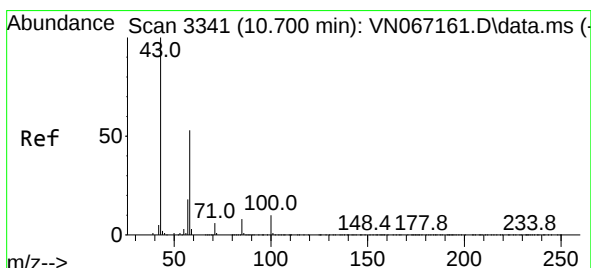
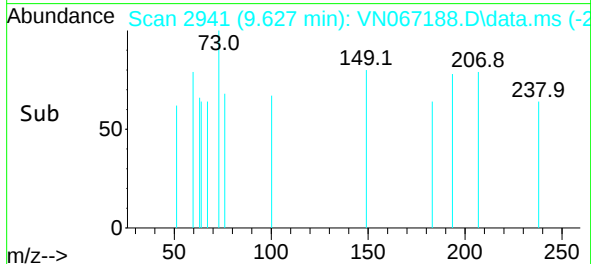
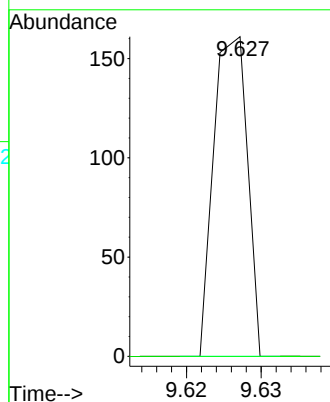
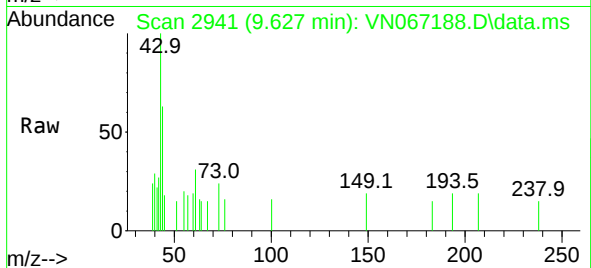




#58
2-Chloroethyl Vinyl ether
Concen: 6.77 ug/l
RT: 9.627 min Scan# 2941
Delta R.T. -0.014 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

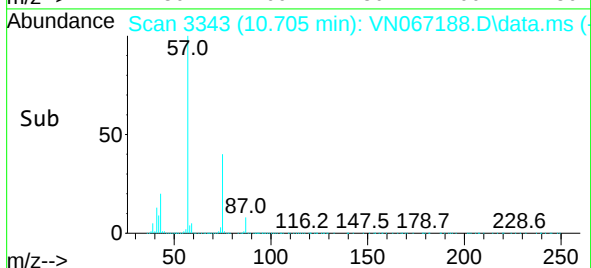
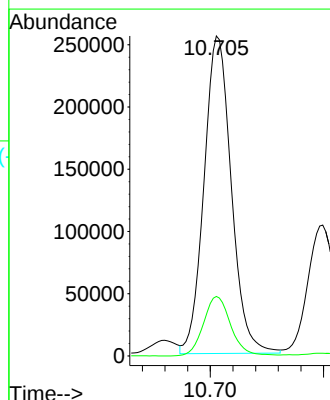
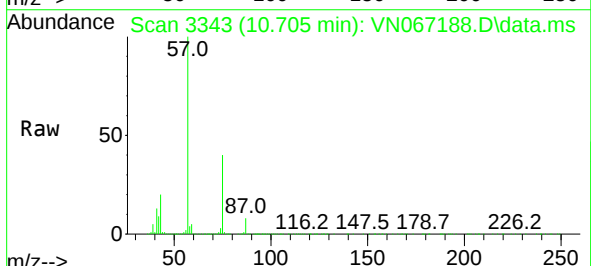
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

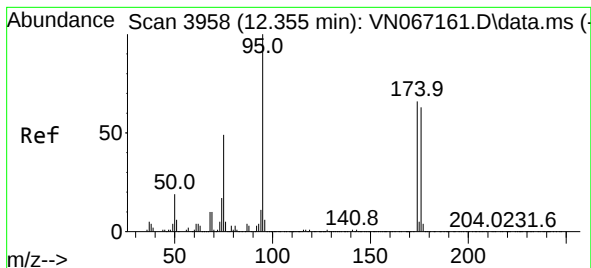
Tgt Ion: 63 Resp: 51
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 126.95 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.005 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 43 Resp: 426801
Ion Ratio Lower Upper
43 100
58 18.9 29.8 89.5#

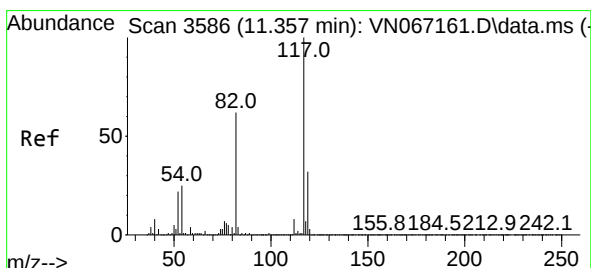
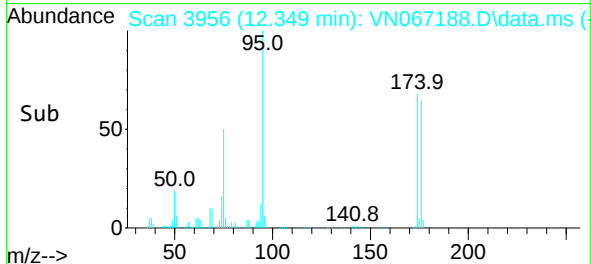
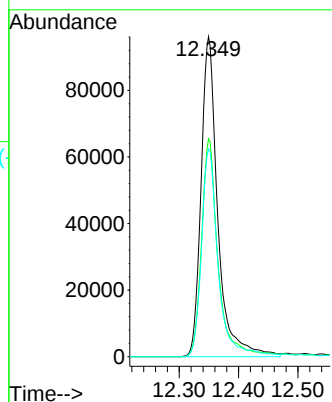
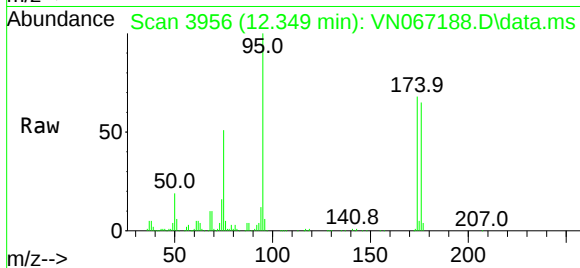




#62
4-Bromofluorobenzene
Concen: 51.88 ug/l
RT: 12.349 min Scan# 3956
Delta R.T. -0.006 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

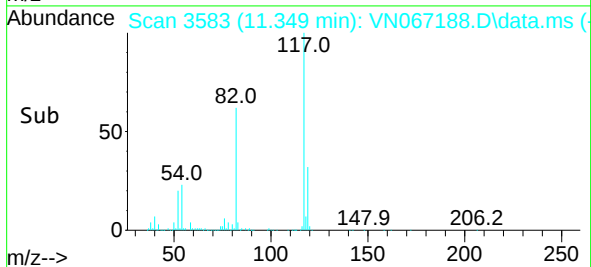
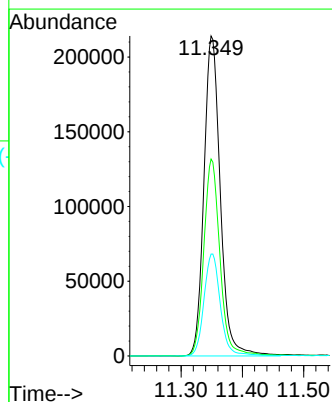
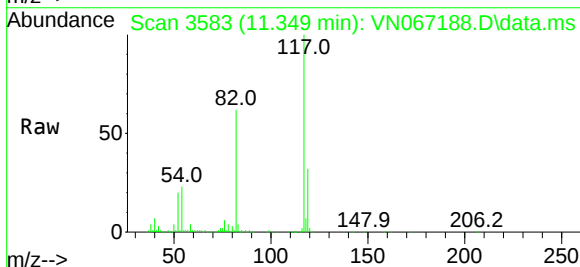
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

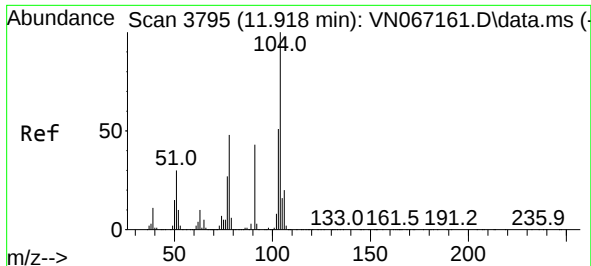
Tgt Ion: 95 Resp: 188327
Ion Ratio Lower Upper
95 100
174 67.5 0.0 182.8
176 62.7 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3583
Delta R.T. -0.008 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 117 Resp: 398057
Ion Ratio Lower Upper
117 100
82 61.6 42.2 63.2
119 31.9 25.8 38.6

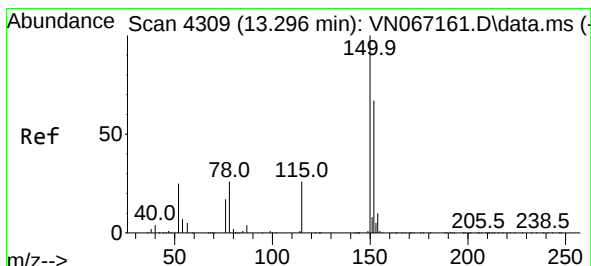
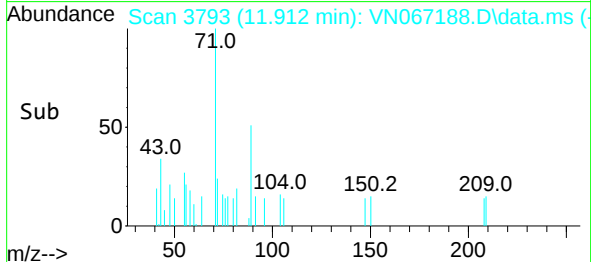
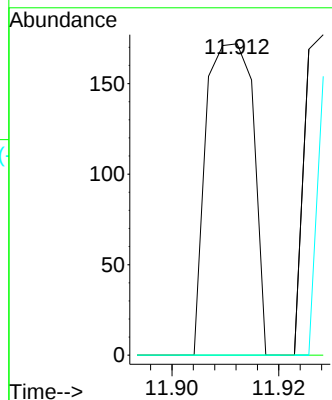
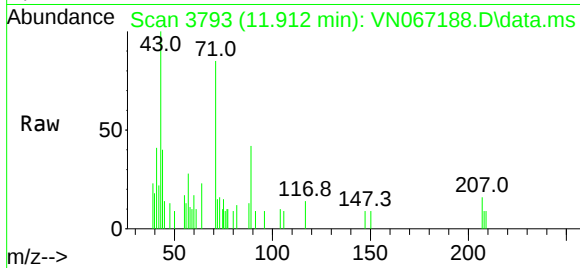




#70
Styrene
Concen: 2.51 ug/l
RT: 11.912 min Scan# 3793
Delta R.T. -0.006 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

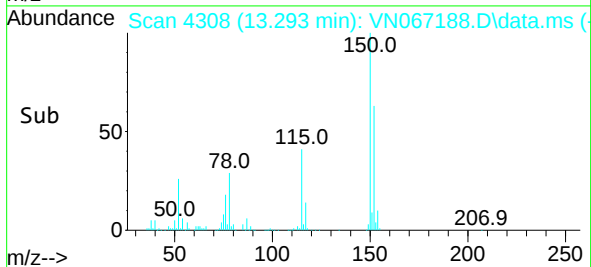
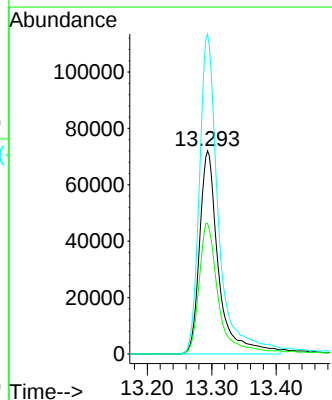
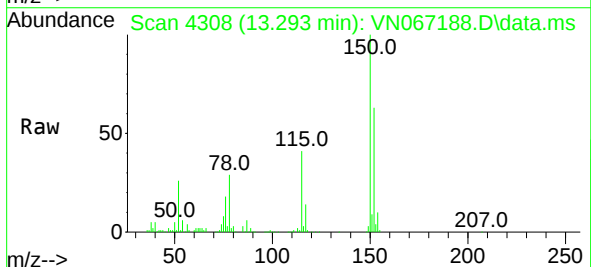
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

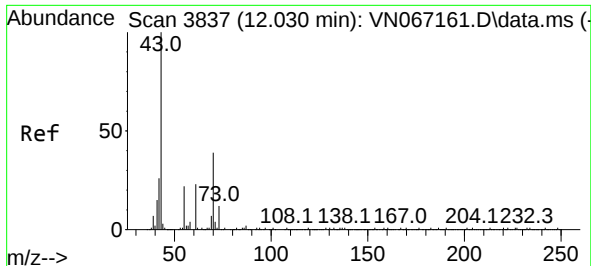
Tgt Ion:104 Resp: 104
Ion Ratio Lower Upper
104 100
78 0.0 37.7 56.5#
103 0.0 44.2 66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.293 min Scan# 4308
Delta R.T. -0.003 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion:152 Resp: 147880
Ion Ratio Lower Upper
152 100
115 65.3 27.0 80.8
150 158.3 0.0 350.2

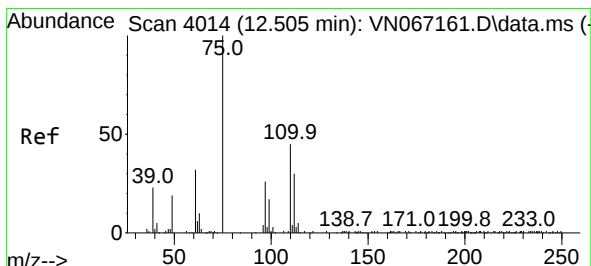
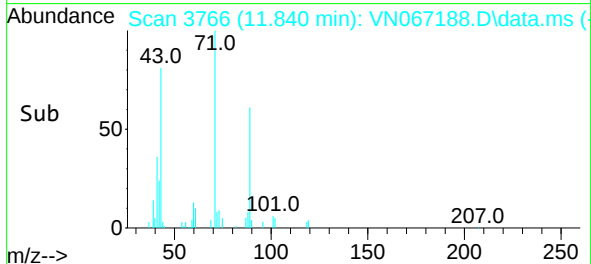
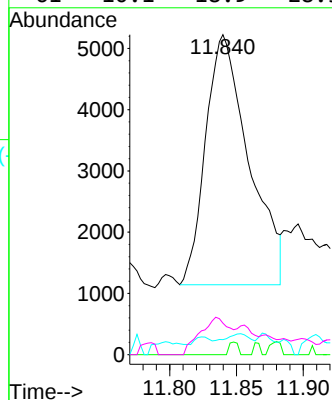
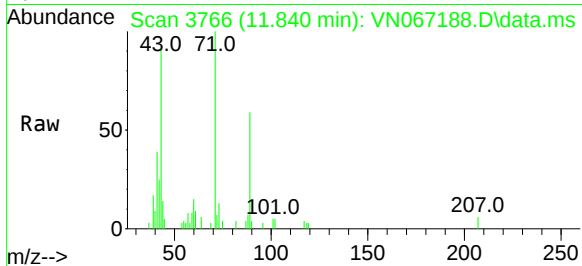




#74
N-amy1 acetate
Concen: 3.36 ug/l
RT: 11.840 min Scan# 3766
Delta R.T. -0.190 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

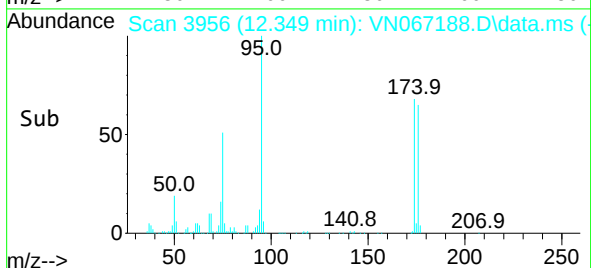
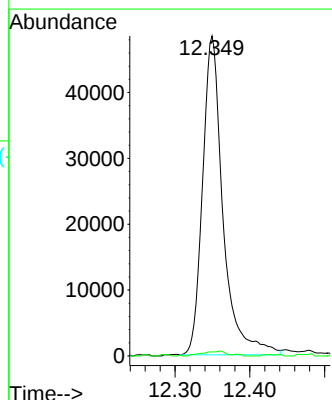
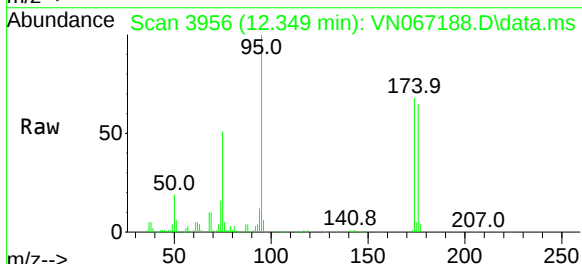
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

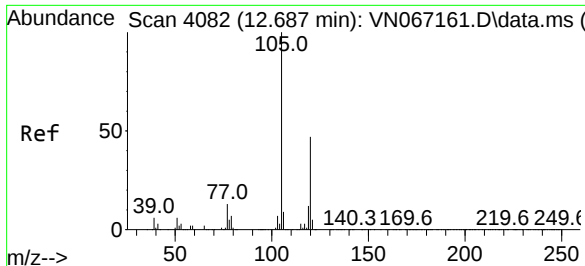
Tgt Ion:	43	Resp:	9182
Ion Ratio	Lower	Upper	
43	100		
70	1.0	36.7	55.1#
55	1.9	17.6	26.4#
61	10.1	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 22.29 ug/l
RT: 12.349 min Scan# 3956
Delta R.T. -0.156 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion:	75	Resp:	91756
Ion Ratio	Lower	Upper	
75	100		
77	0.9	0.0	0.0#

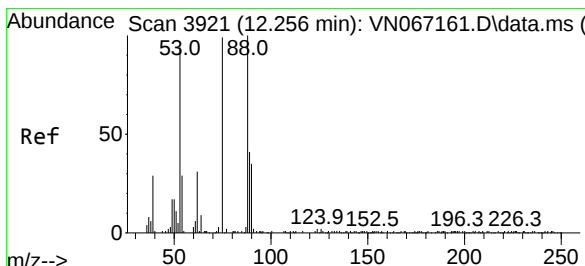
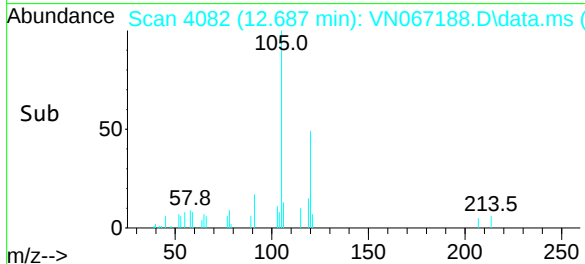
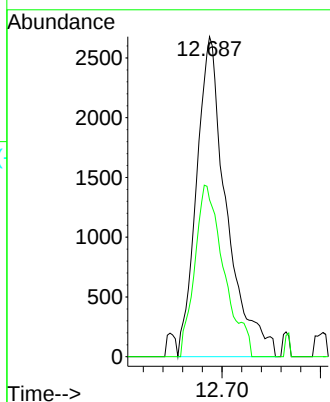
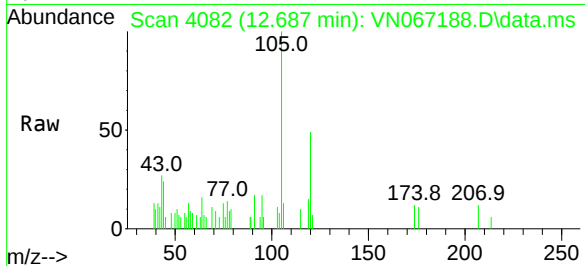




#80
1,3,5-Trimethylbenzene
Concen: 0.47 ug/l
RT: 12.687 min Scan# 4082
Delta R.T. 0.000 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

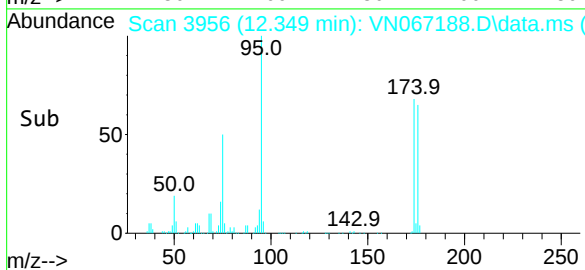
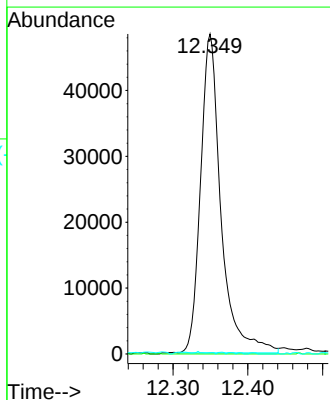
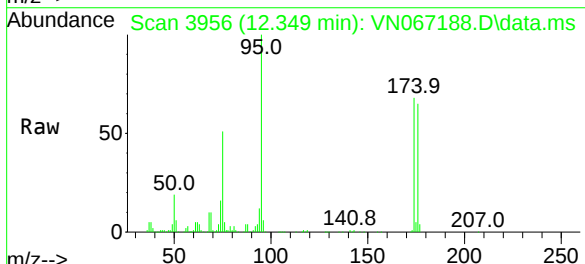
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

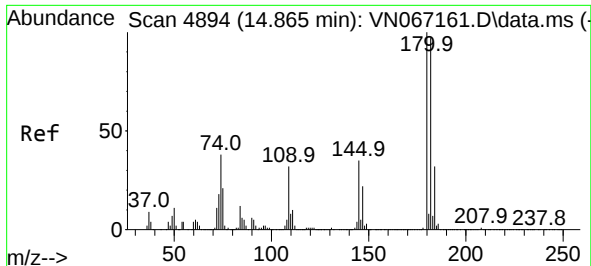
Tgt Ion:105 Resp: 5643
Ion Ratio Lower Upper
105 100
120 52.1 25.0 75.0



#81
trans-1,4-Dichloro-2-butene
Concen: 63.57 ug/l
RT: 12.349 min Scan# 3956
Delta R.T. 0.093 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion: 75 Resp: 91756
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.1 39.5 59.3#

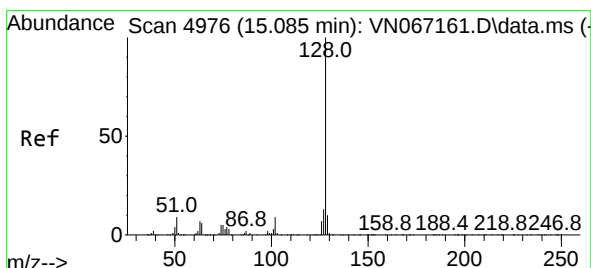
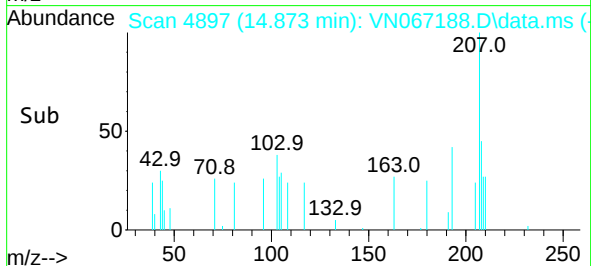
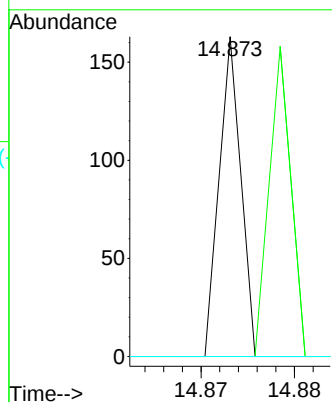
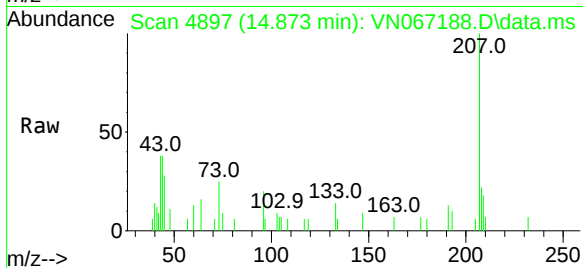




#93
1,2,4-Trichlorobenzene
Concen: 3.27 ug/l
RT: 14.873 min Scan# 4897
Delta R.T. 0.008 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	0.0	14.0	42.0#



#95
Naphthalene
Concen: 3.91 ug/l
RT: 15.114 min Scan# 4987
Delta R.T. 0.029 min
Lab File: VN067188.D
Acq: 28 May 2021 17:12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	23.9	8.6	13.0#

