

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067186.D
 Acq On : 28 May 2021 16:25
 Operator : JC/MD
 Sample : PB136697ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB136697ZHE#03

Quant Time: May 29 02:24:29 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)

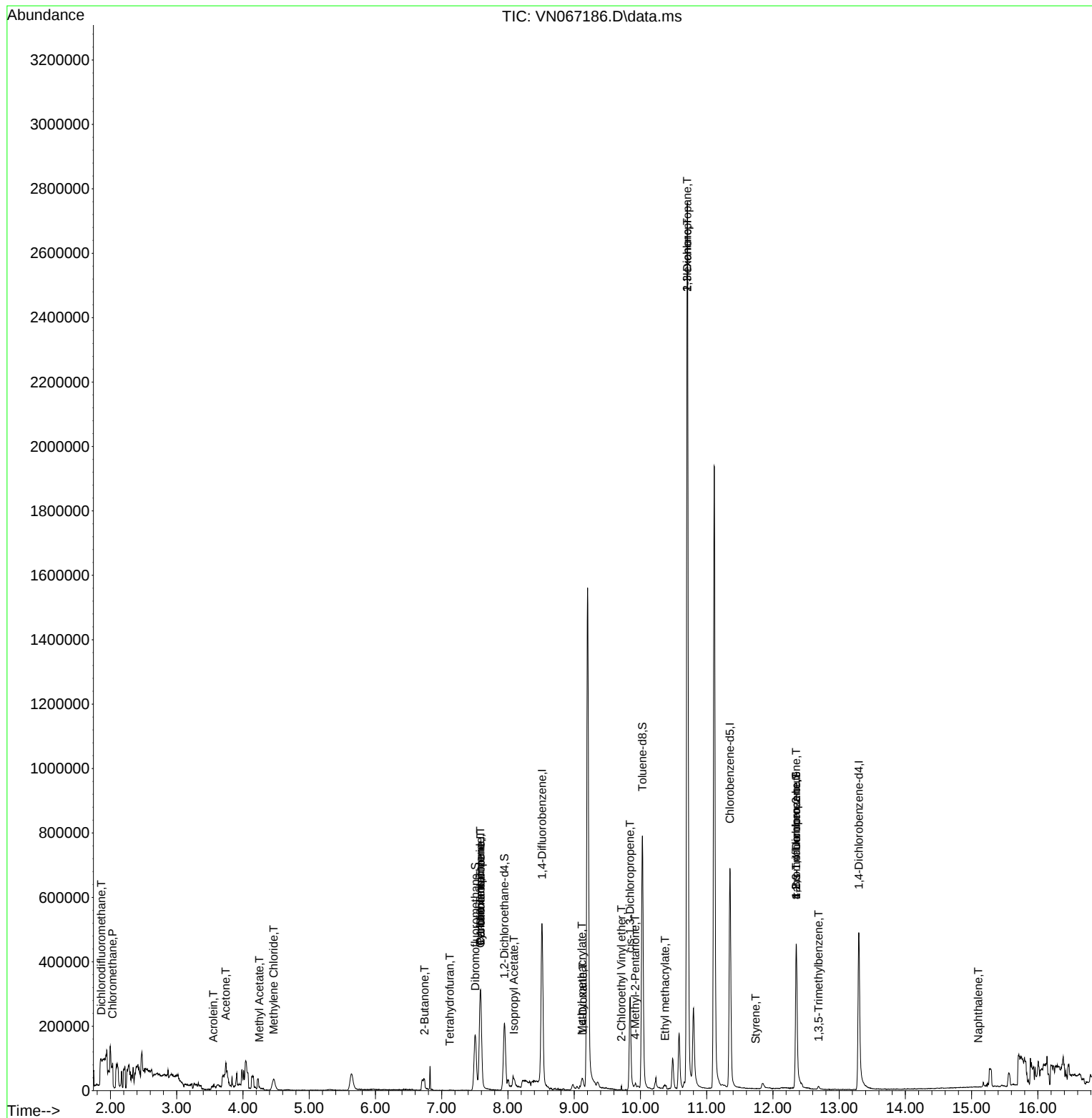
Internal Standards						
1) Pentafluorobenzene	7.586	168	248923	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.514	114	456316	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.352	117	404737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.299	152	154444	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.948	65	183400	47.47	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.94%		
35) Dibromofluoromethane	7.506	113	141943	50.69	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.38%		
50) Toluene-d8	10.030	98	560273	51.99	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.98%		
62) 4-Bromofluorobenzene	12.352	95	194245	52.72	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.44%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.863	85	773	0.24	ug/l	99
3) Chloromethane	2.032	50	1256	0.28	ug/l #	59
13) Acrolein	3.553	56	1091	1.61	ug/l #	39
16) Acetone	3.740	43	72928	45.93	ug/l	93
18) Methyl Acetate	4.247	43	8093	1.83	ug/l #	50
20) Methylene Chloride	4.464	84	26222	6.72	ug/l #	88
25) 2-Butanone	6.741	43	9006	3.57	ug/l #	84
29) Tetrahydrofuran	7.122	42	659	0.40	ug/l #	35
31) Cyclohexane	7.581	56	6065	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.586	75	22409	4.86	ug/l #	49
38) Carbon Tetrachloride	7.584	117	26845	5.97	ug/l #	16
43) Isopropyl Acetate	8.090	43	33503	3.80	ug/l #	90
48) Methyl methacrylate	9.115	41	6954	1.77	ug/l #	9
49) 1,4-Dioxane	9.128	88	176	63.52	ug/l #	1
51) 4-Methyl-2-Pentanone	9.922	43	11678	2.39	ug/l	99
54) cis-1,3-Dichloropropene	9.844	75	58057	9.92	ug/l #	66
56) Ethyl methacrylate	10.373	69	146	2.81	ug/l #	31
57) 1,3-Dichloropropane	10.708	76	28674	5.03	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.713	63	27	6.74	ug/l #	45
59) 2-Hexanone	10.708	43	424621	124.82	ug/l #	46
70) Styrene	11.741	104	24	2.50	ug/l #	26
76) 1,2,3-Trichloropropane	12.352	75	97204	22.61	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.690	105	5508	0.44	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.352	75	97204	64.38	ug/l #	15
95) Naphthalene	15.098	128	219	3.89	ug/l #	69

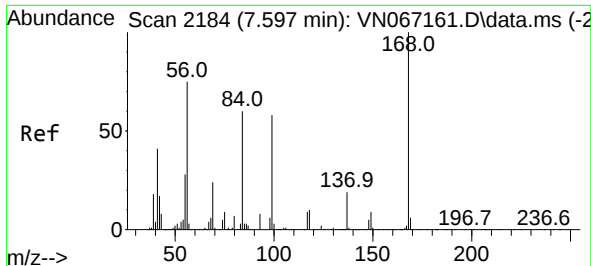
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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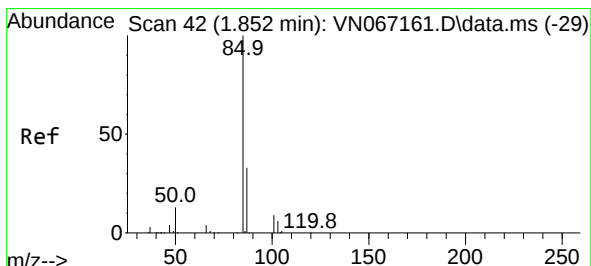
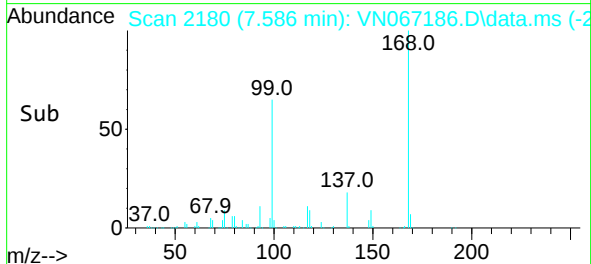
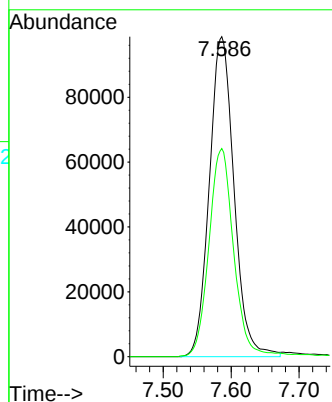
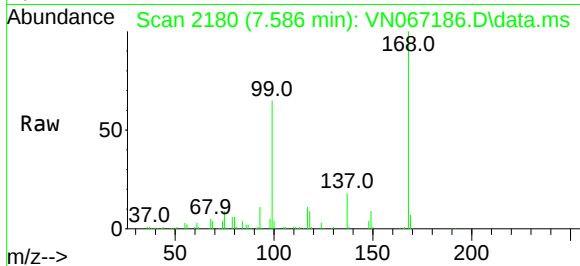




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.586 min Scan# 2180
Delta R.T. -0.011 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

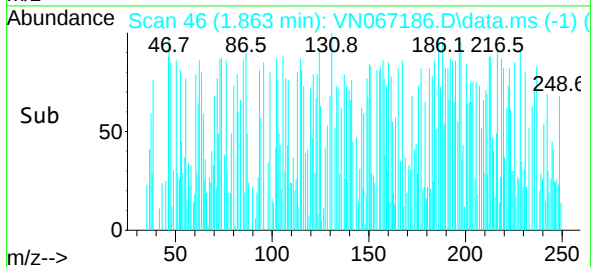
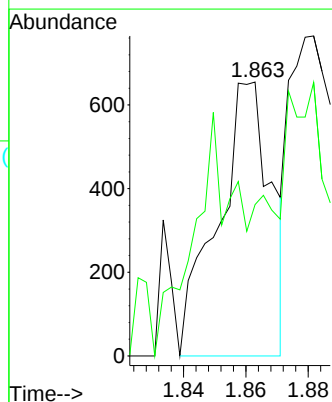
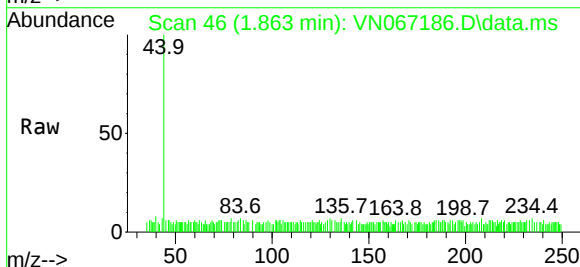
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

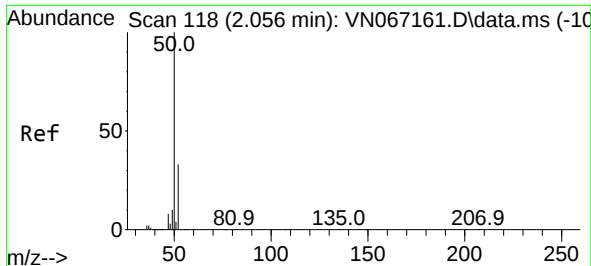
Tgt Ion:168 Resp: 248923
Ion Ratio Lower Upper
168 100
99 64.8 38.5 57.7#



#2
Dichlorodifluoromethane
Concen: 0.24 ug/l
RT: 1.863 min Scan# 46
Delta R.T. 0.011 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 85 Resp: 773
Ion Ratio Lower Upper
85 100
87 31.1 15.8 47.4

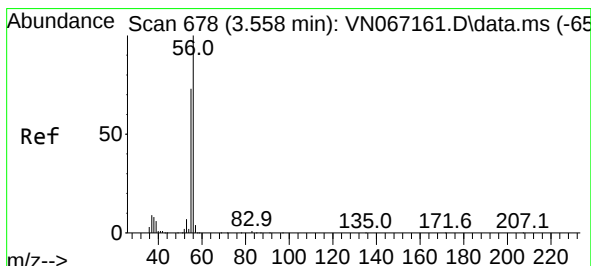
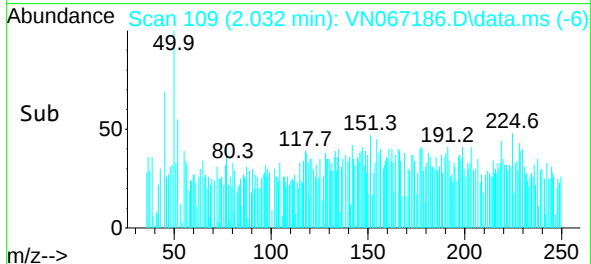
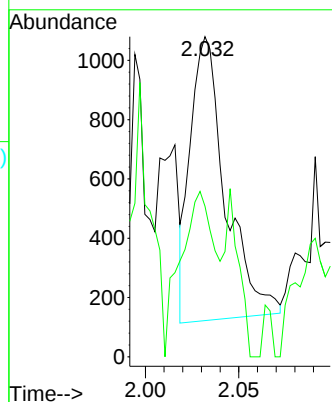
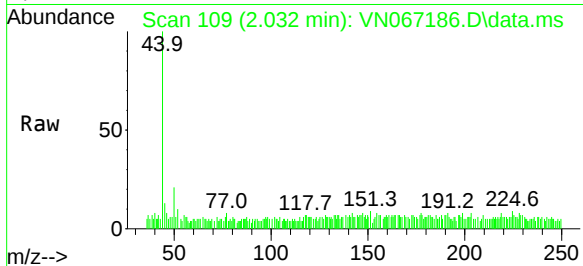




#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.032 min Scan# 109
Delta R.T. -0.024 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

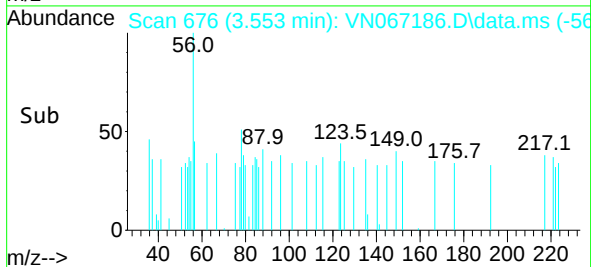
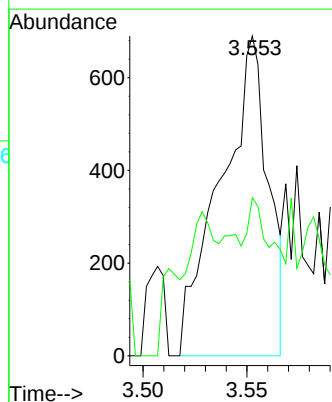
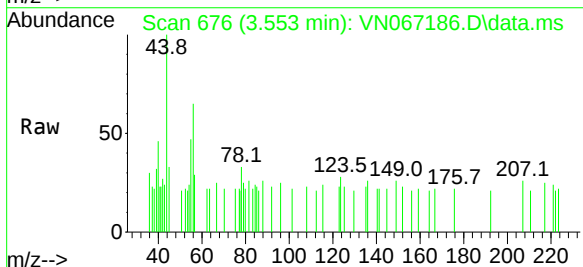
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

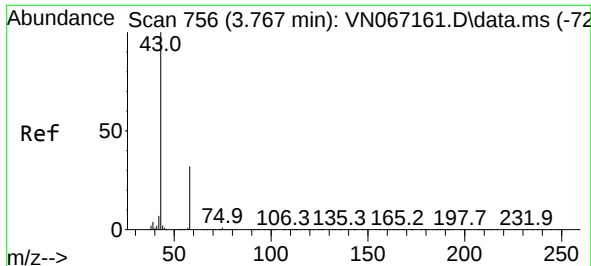
Tgt Ion: 50 Resp: 1256
Ion Ratio Lower Upper
50 100
52 56.1 26.5 39.7#



#13
Acrolein
Concen: 1.61 ug/l
RT: 3.553 min Scan# 676
Delta R.T. -0.005 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 56 Resp: 1091
Ion Ratio Lower Upper
56 100
55 18.1 53.8 80.6#

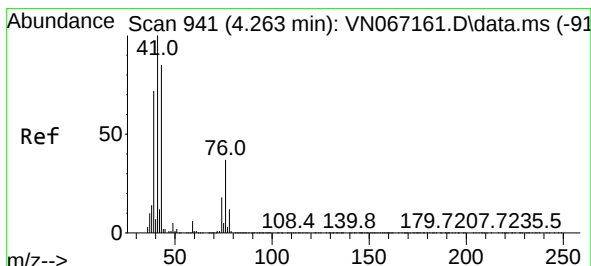
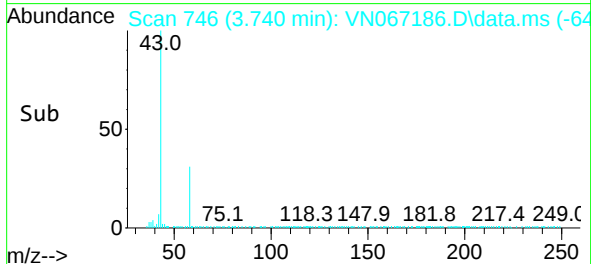
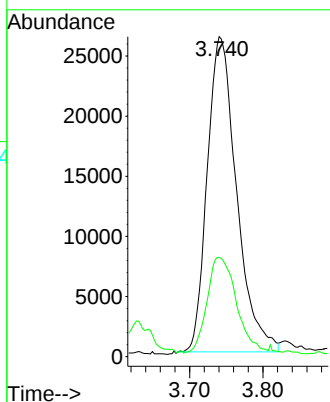
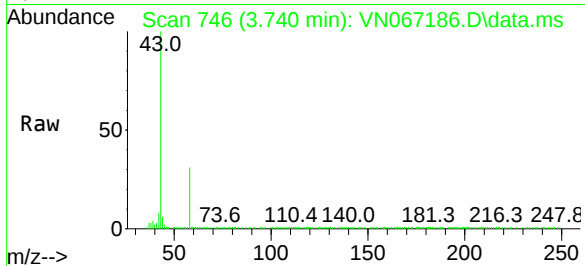




#16
Acetone
Concen: 45.93 ug/l
RT: 3.740 min Scan# 746
Delta R.T. -0.027 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

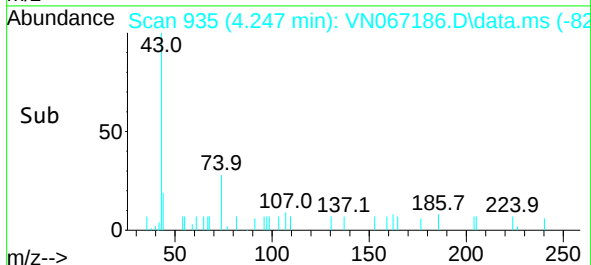
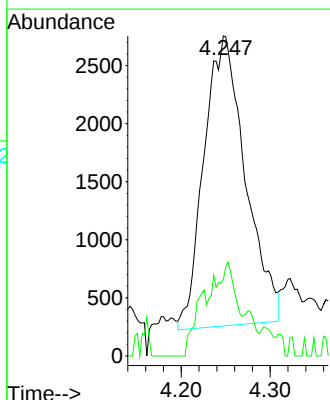
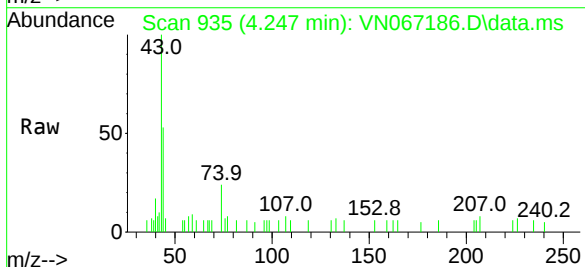
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

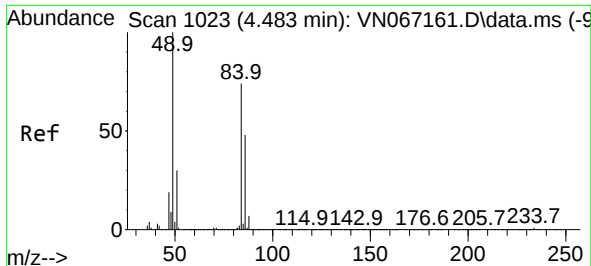
Tgt Ion: 43 Resp: 72928
Ion Ratio Lower Upper
43 100
58 29.8 27.2 40.8



#18
Methyl Acetate
Concen: 1.83 ug/l
RT: 4.247 min Scan# 935
Delta R.T. -0.016 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 43 Resp: 8093
Ion Ratio Lower Upper
43 100
74 0.7 21.4 32.2#





#20

Methylene Chloride

Concen: 6.72 ug/l

RT: 4.464 min Scan# 1016

Delta R.T. -0.019 min

Lab File: VN067186.D

Acq: 28 May 2021 16:25

Instrument :

MSVOA_N

ClientSampleId :

PB136697ZHE#03

Tgt Ion: 84 Resp: 26222

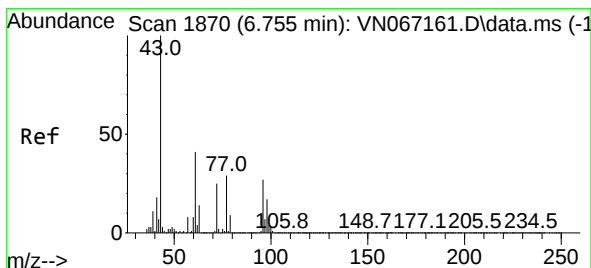
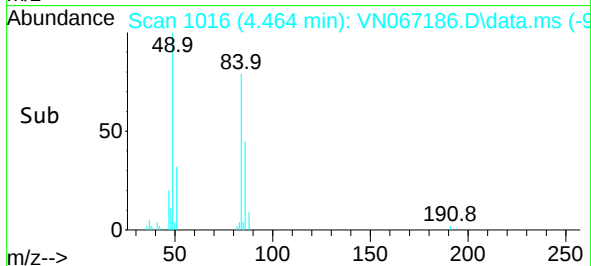
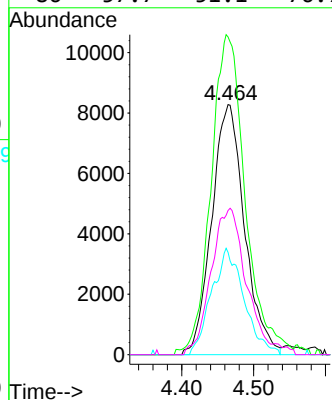
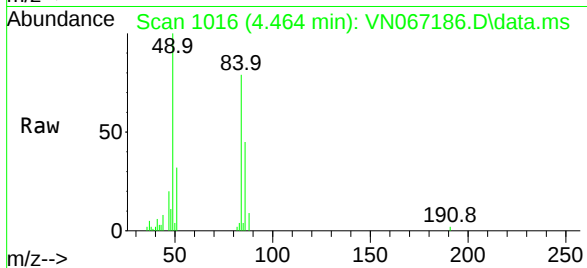
Ion Ratio Lower Upper

84 100

49 125.1 88.3 132.5

51 41.0 26.7 40.1#

86 57.7 51.1 76.7



#25

2-Butanone

Concen: 3.57 ug/l

RT: 6.741 min Scan# 1865

Delta R.T. -0.014 min

Lab File: VN067186.D

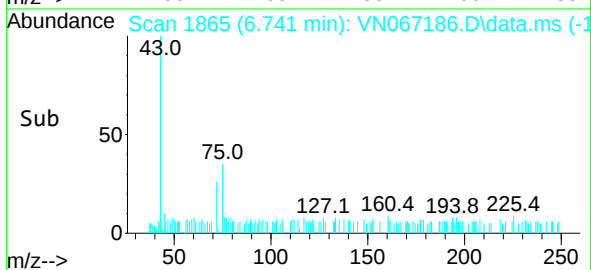
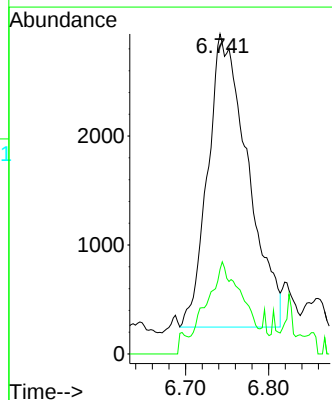
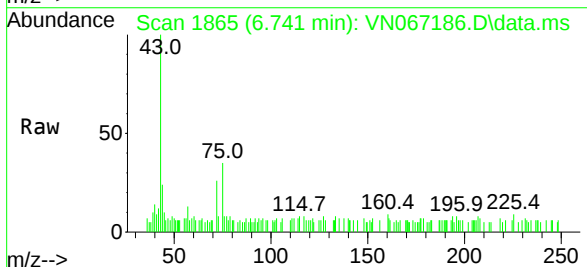
Acq: 28 May 2021 16:25

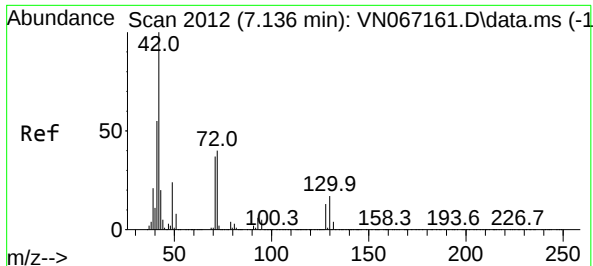
Tgt Ion: 43 Resp: 9006

Ion Ratio Lower Upper

43 100

72 21.7 24.4 36.6#

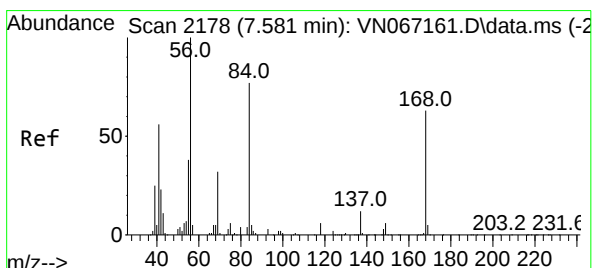
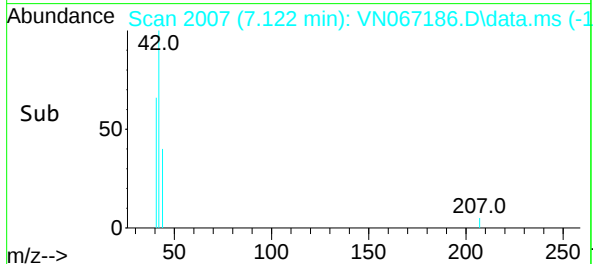
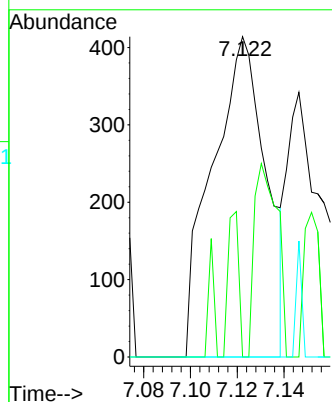
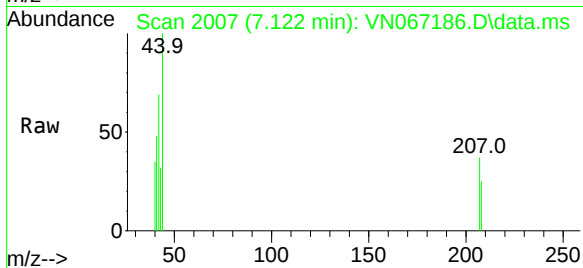




#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 7.122 min Scan# 2007
Delta R.T. -0.014 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

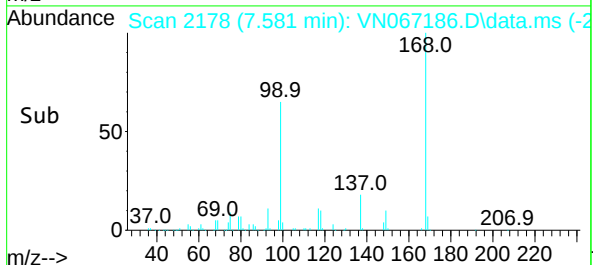
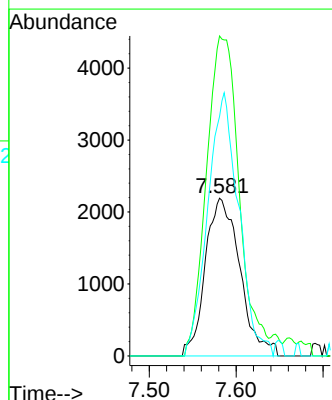
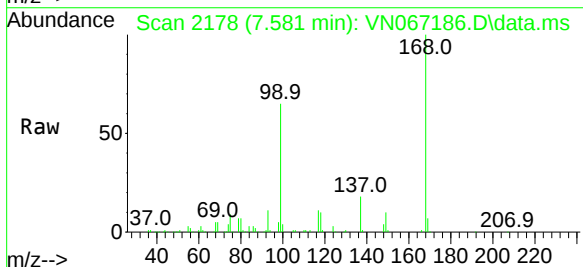
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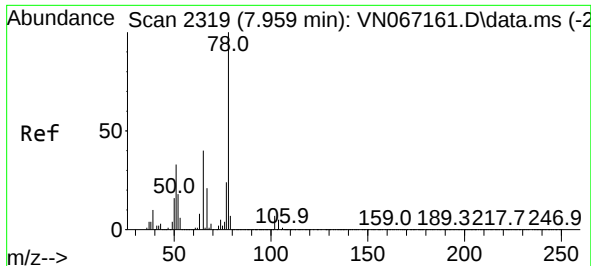
Tgt Ion:	42	Resp:	659
Ion	Ratio	Lower	Upper
42	100		
72	9.0	40.1	60.1#
71	0.0	37.9	56.9#



#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.000 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion:	56	Resp:	6065
Ion	Ratio	Lower	Upper
56	100		
69	202.7	28.0	42.0#
84	151.8	74.2	111.2#

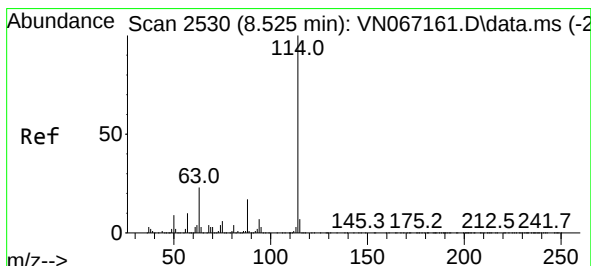
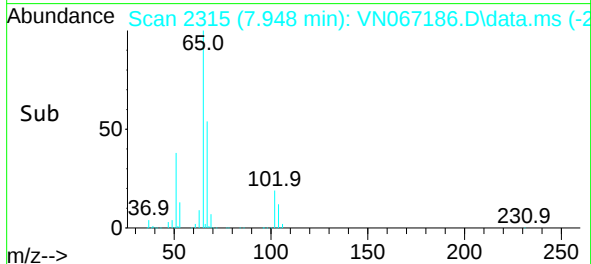
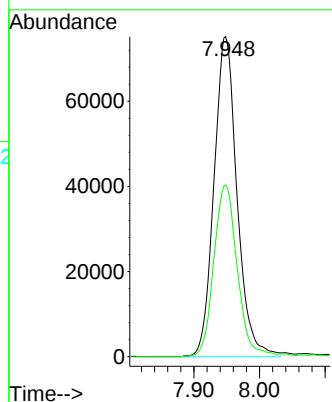
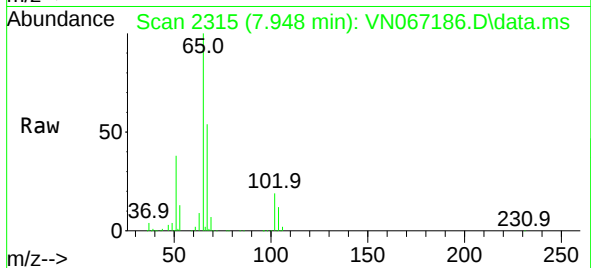




#33
 1,2-Dichloroethane-d4
 Concen: 47.47 ug/l
 RT: 7.948 min Scan# 2315
 Delta R.T. -0.011 min
 Lab File: VN067186.D
 Acq: 28 May 2021 16:25

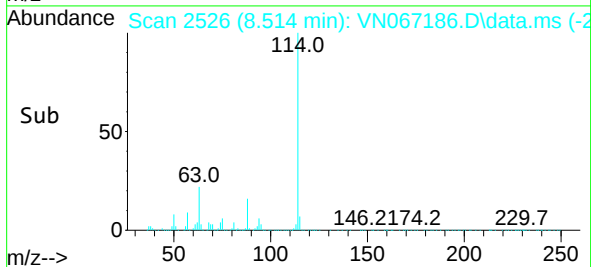
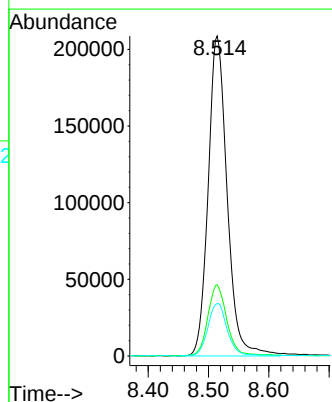
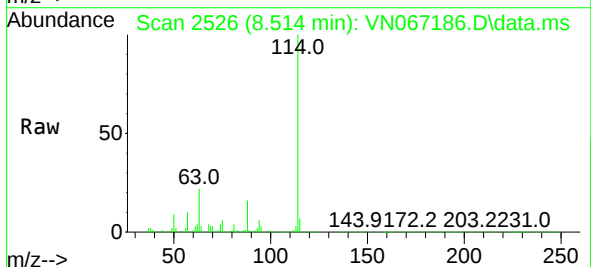
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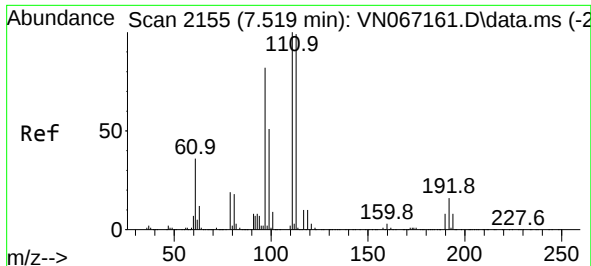
Tgt Ion: 65 Resp: 183400
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.514 min Scan# 2526
 Delta R.T. -0.011 min
 Lab File: VN067186.D
 Acq: 28 May 2021 16:25

Tgt Ion: 114 Resp: 456316
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.8
 88 16.3 0.0 30.4

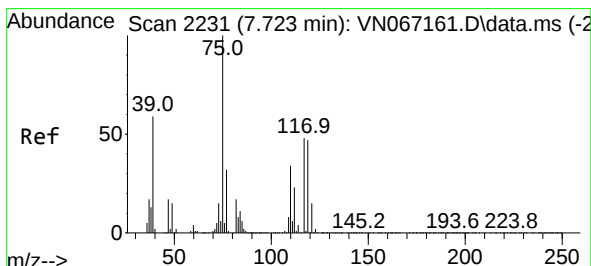
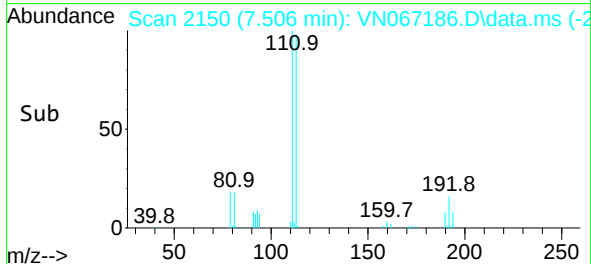
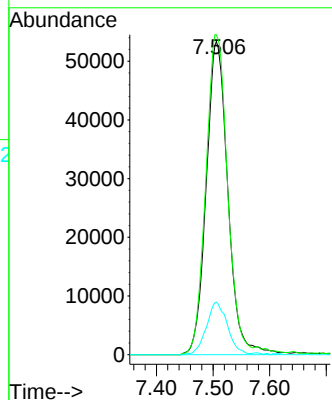
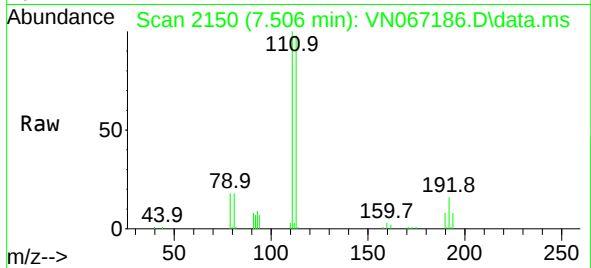




#35
Dibromofluoromethane
Concen: 50.69 ug/l
RT: 7.506 min Scan# 2150
Delta R.T. -0.013 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

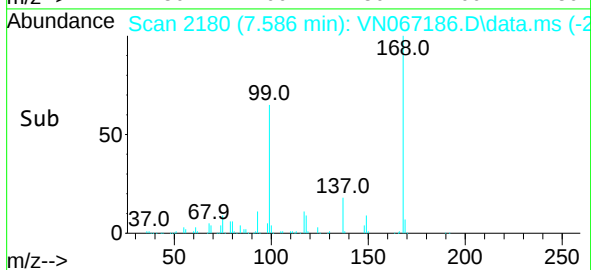
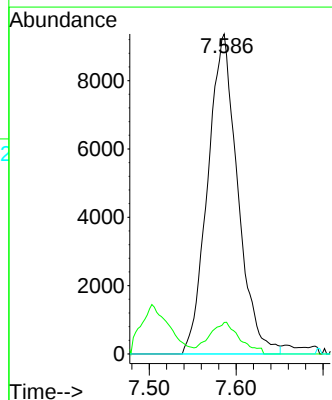
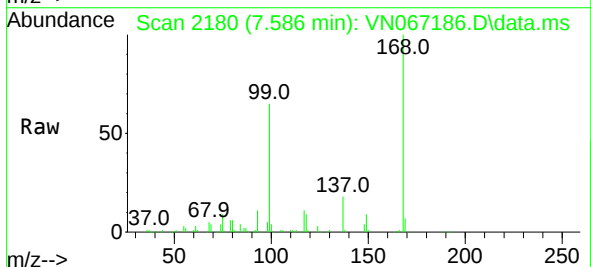
Instrument :
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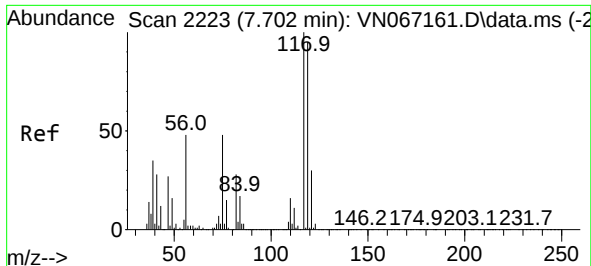
Tgt Ion:113 Resp: 141943
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 16.3 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 7.586 min Scan# 2180
Delta R.T. -0.137 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 75 Resp: 22409
Ion Ratio Lower Upper
75 100
110 10.1 19.1 57.3#
77 0.0 24.8 37.2#

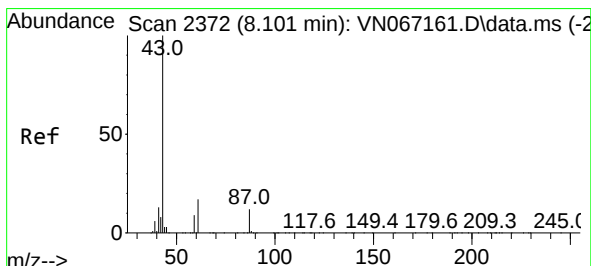
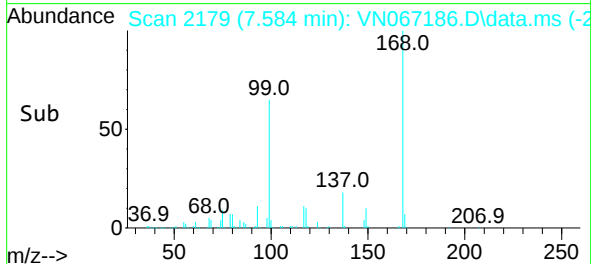
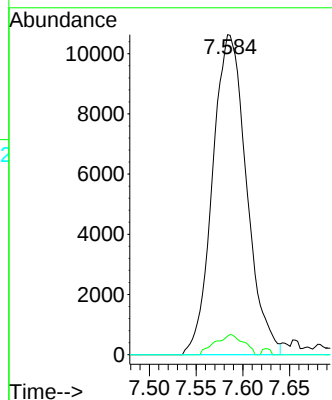
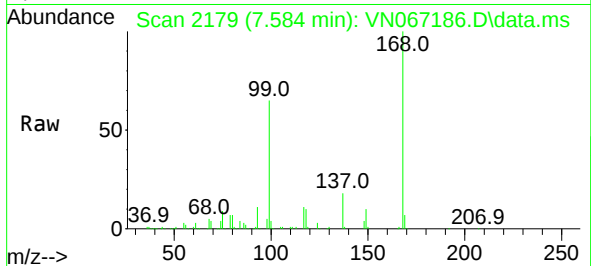




#38
Carbon Tetrachloride
Concen: 5.97 ug/l
RT: 7.584 min Scan# 2179
Delta R.T. -0.118 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

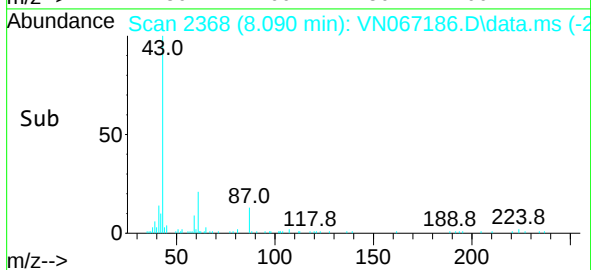
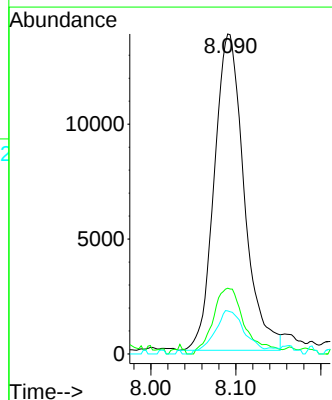
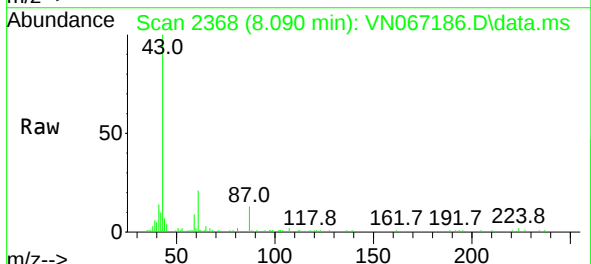
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

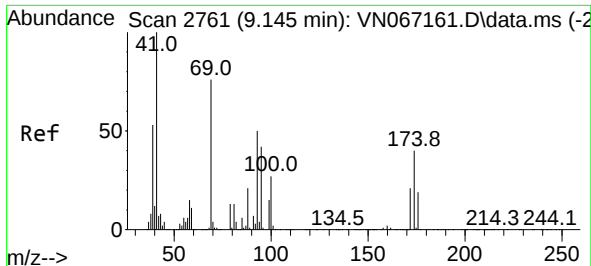
Tgt Ion: 117 Resp: 26845
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 3.80 ug/l
RT: 8.090 min Scan# 2368
Delta R.T. -0.011 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 43 Resp: 33503
Ion Ratio Lower Upper
43 100
61 22.1 23.4 35.0#
87 13.9 12.2 18.2

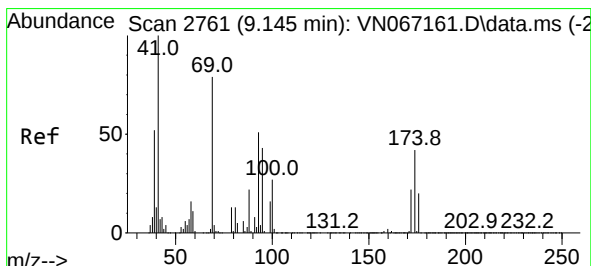
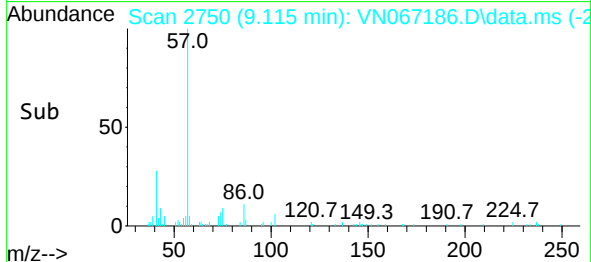
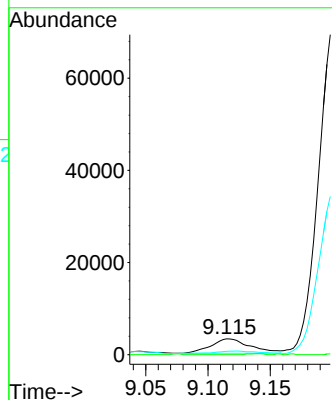
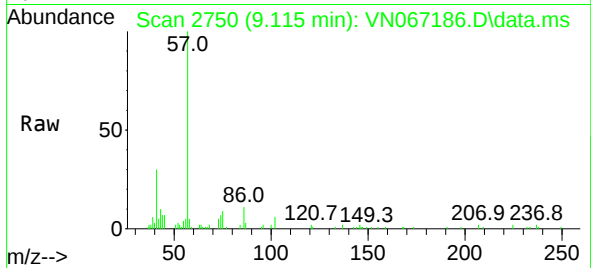




#48
Methyl methacrylate
Concen: 1.77 ug/l
RT: 9.115 min Scan# 2750
Delta R.T. -0.030 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

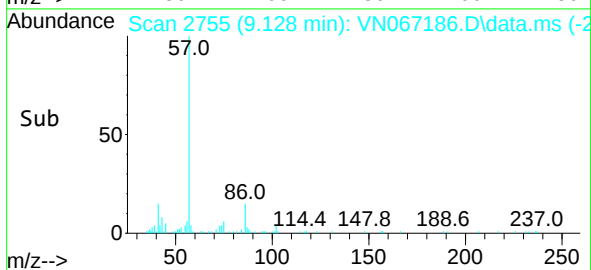
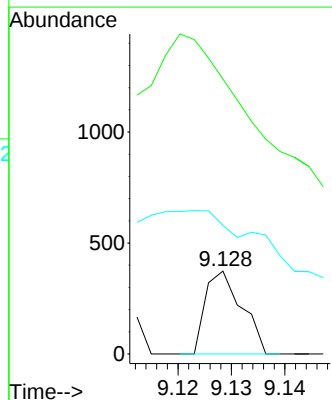
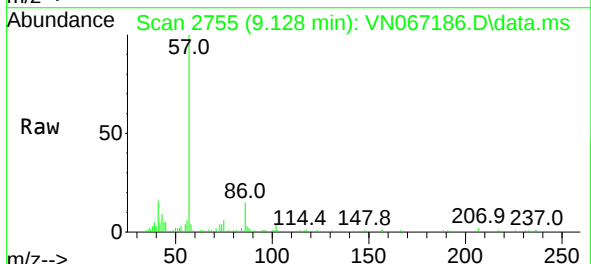
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

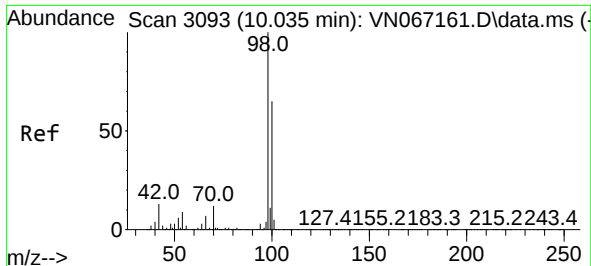
Tgt Ion: 41 Resp: 6954
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#49
1,4-Dioxane
Concen: 63.52 ug/l
RT: 9.128 min Scan# 2755
Delta R.T. -0.017 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 926.7 50.8 76.2#

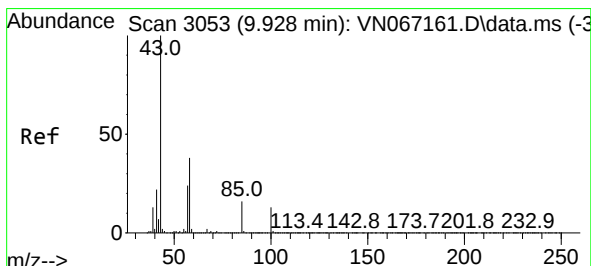
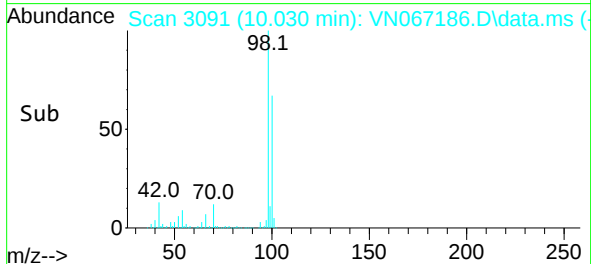
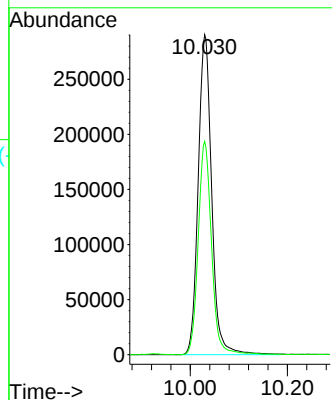
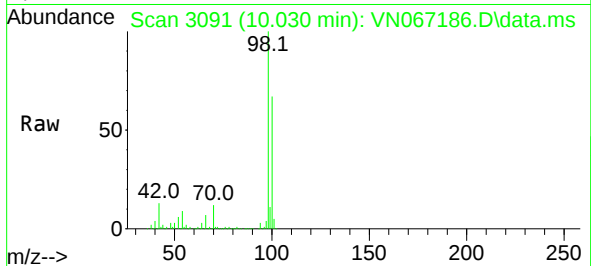




#50
Toluene-d8
Concen: 51.99 ug/l
RT: 10.030 min Scan# 3091
Delta R.T. -0.005 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

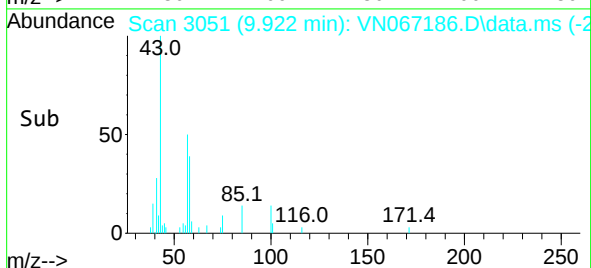
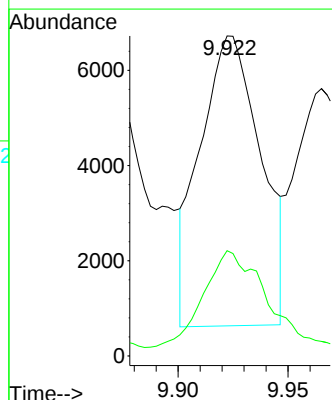
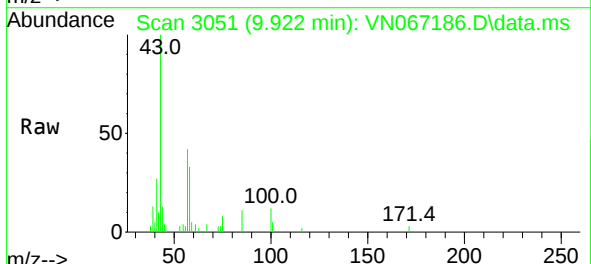
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

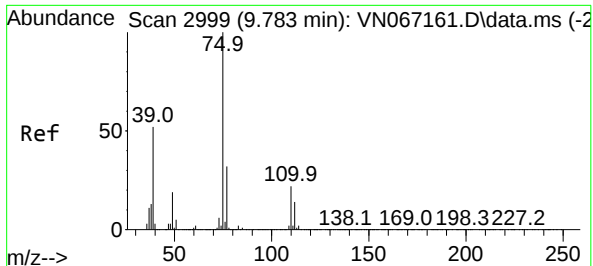
Tgt Ion: 98 Resp: 560273
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 2.39 ug/l
RT: 9.922 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 43 Resp: 11678
Ion Ratio Lower Upper
43 100
58 42.4 34.5 51.7

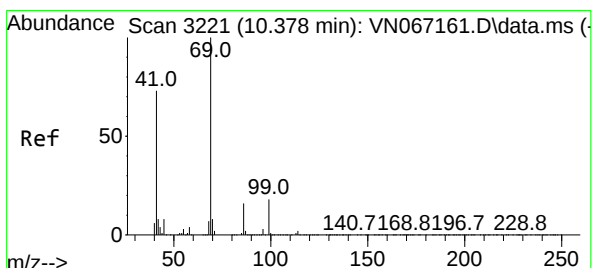
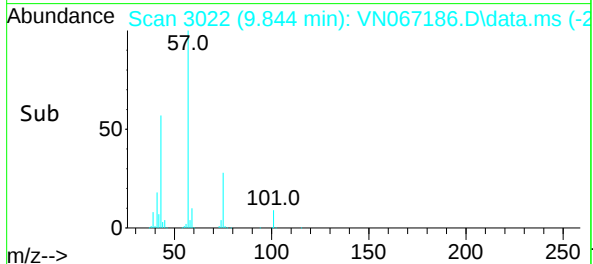
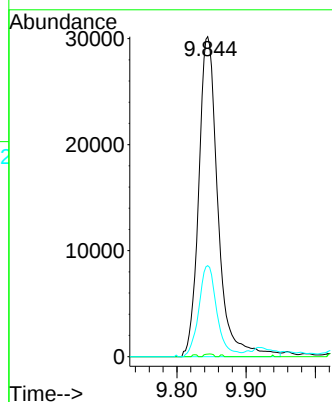
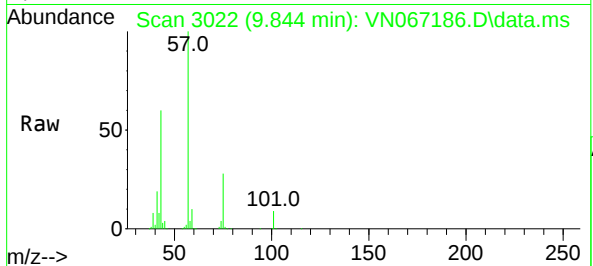




#54
cis-1,3-Dichloropropene
Concen: 9.92 ug/l
RT: 9.844 min Scan# 3022
Delta R.T. 0.061 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

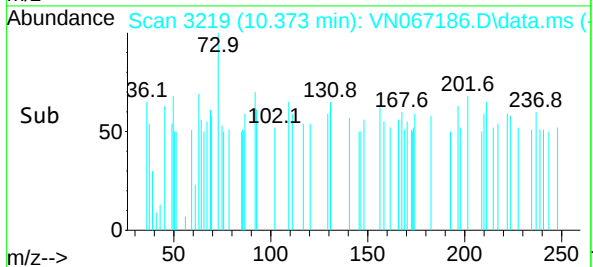
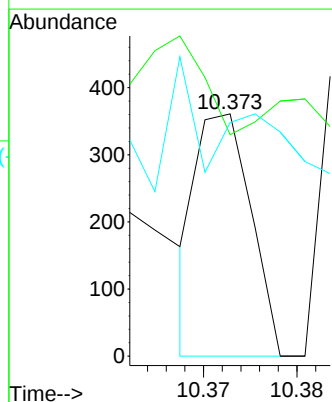
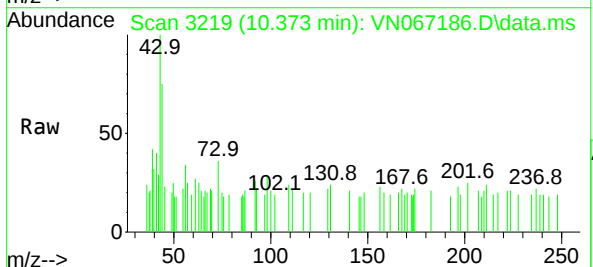
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

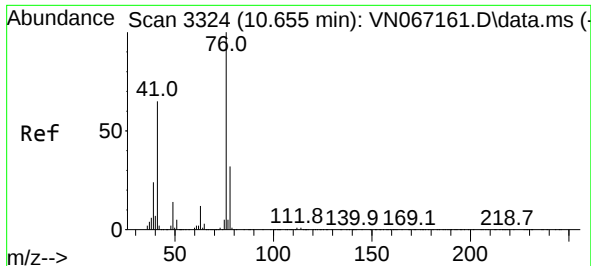
Tgt Ion: 75 Resp: 58057
Ion Ratio Lower Upper
75 100
77 0.8 25.1 37.7#
39 28.5 30.9 46.3#



#56
Ethyl methacrylate
Concen: 2.81 ug/l
RT: 10.373 min Scan# 3219
Delta R.T. -0.005 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 69 Resp: 146
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#

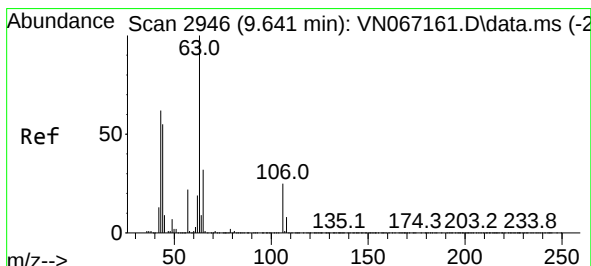
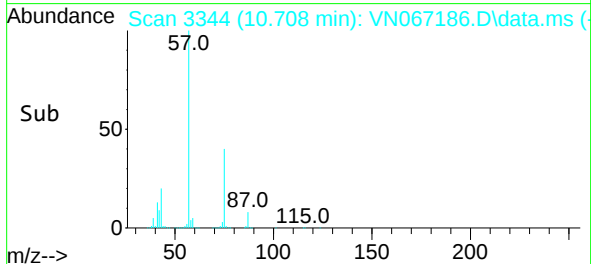
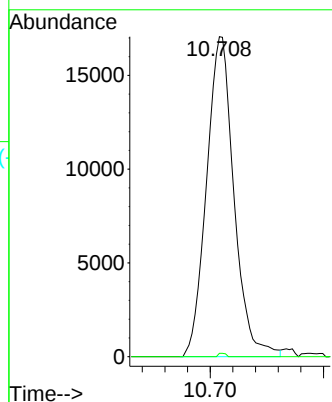
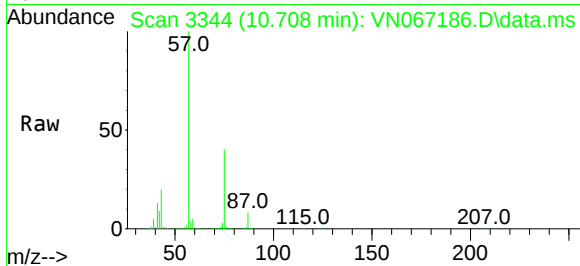




#57
1,3-Dichloropropane
Concen: 5.03 ug/l
RT: 10.708 min Scan# 3344
Delta R.T. 0.053 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

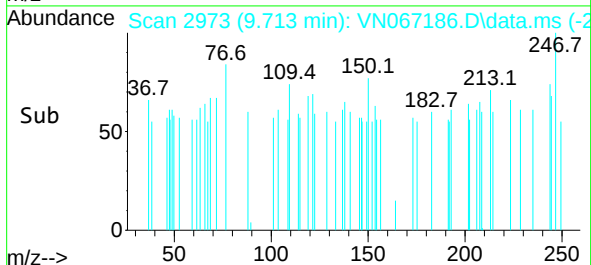
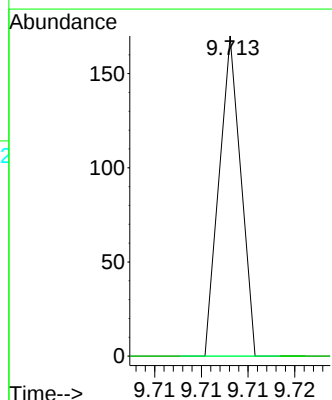
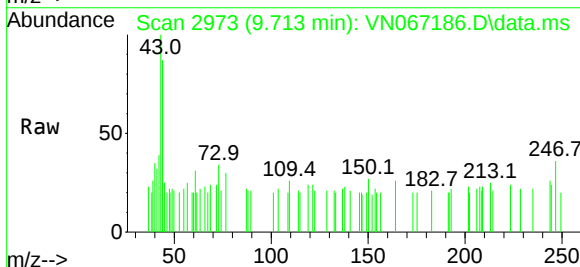
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

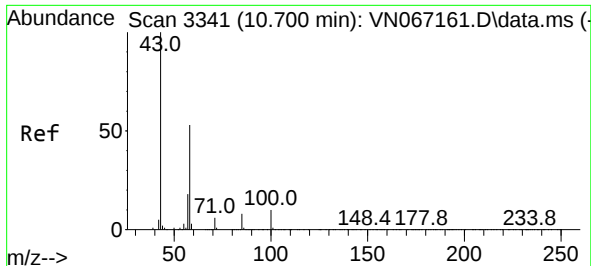
Tgt Ion: 76 Resp: 28674
Ion Ratio Lower Upper
76 100
78 0.3 26.3 39.5#



#58
2-Chloroethyl Vinyl ether
Concen: 6.74 ug/l
RT: 9.713 min Scan# 2973
Delta R.T. 0.072 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

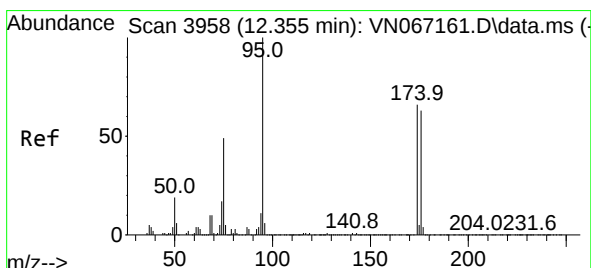
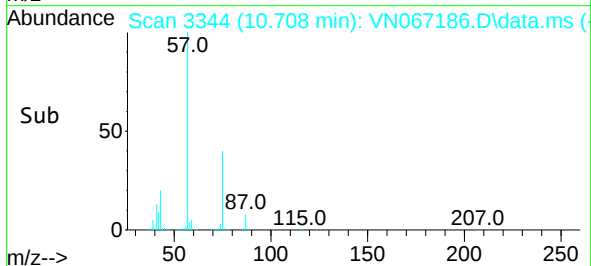
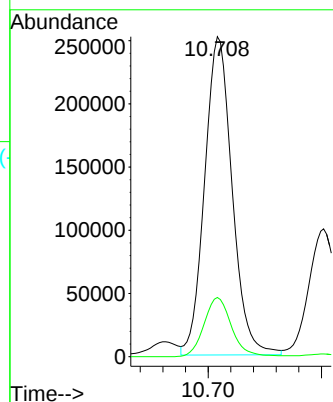
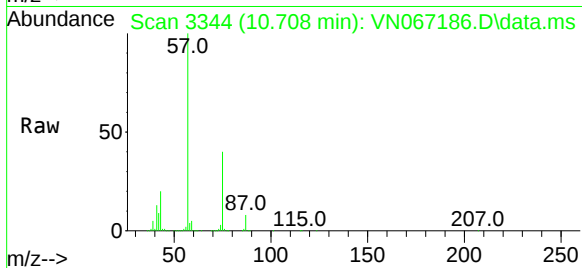




#59
2-Hexanone
Concen: 124.82 ug/l
RT: 10.708 min Scan# 3344
Delta R.T. 0.008 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

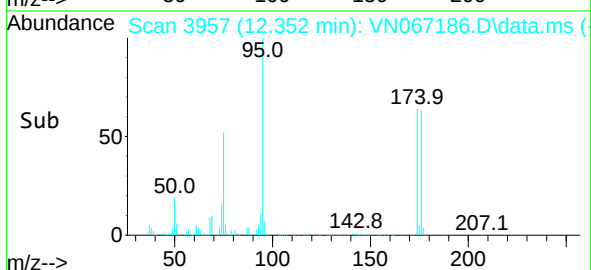
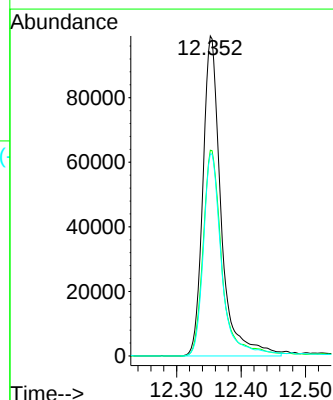
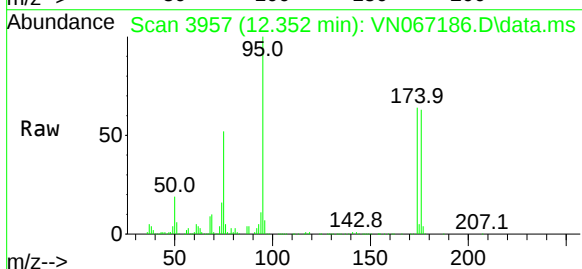
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

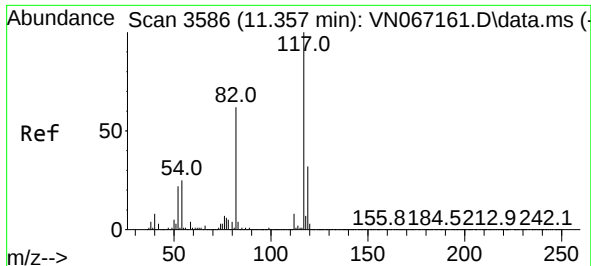
Tgt Ion: 43 Resp: 424621
Ion Ratio Lower Upper
43 100
58 18.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 52.72 ug/l
RT: 12.352 min Scan# 3957
Delta R.T. -0.003 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 95 Resp: 194245
Ion Ratio Lower Upper
95 100
174 66.5 0.0 182.8
176 64.0 0.0 176.6

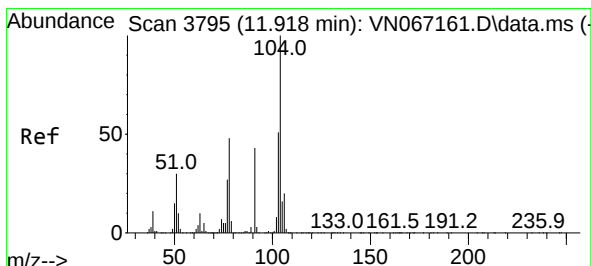
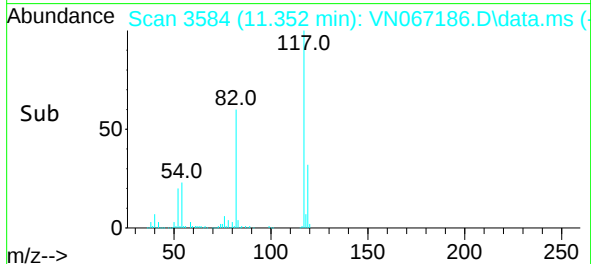
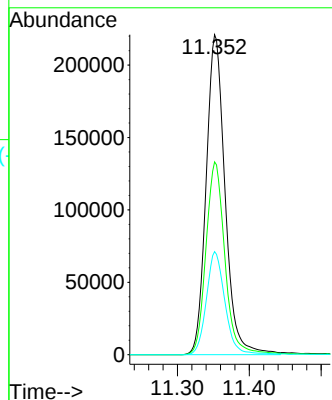
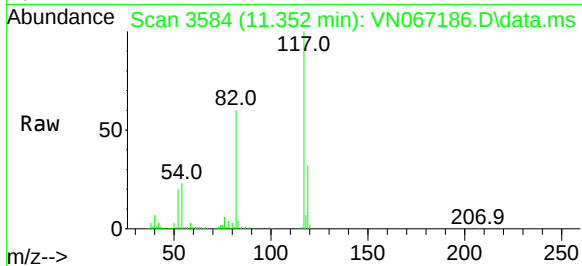




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3584
Delta R.T. -0.005 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

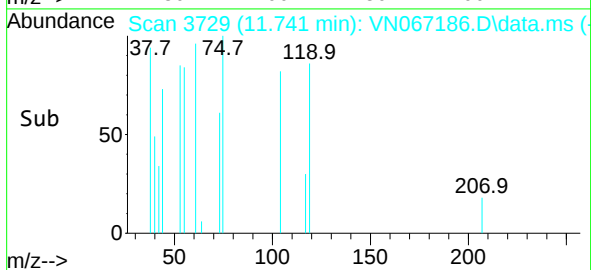
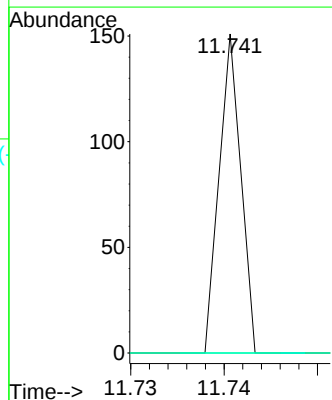
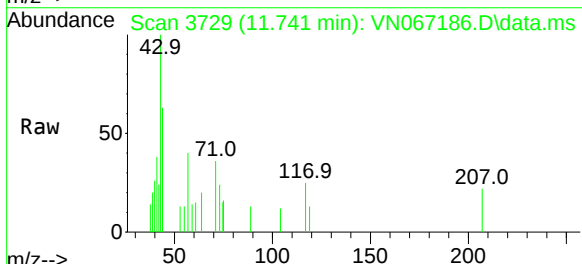
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

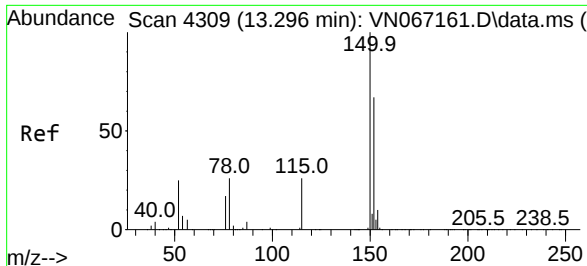
Tgt Ion:117 Resp: 404737
Ion Ratio Lower Upper
117 100
82 60.2 42.2 63.2
119 32.2 25.8 38.6



#70
Styrene
Concen: 2.50 ug/l
RT: 11.741 min Scan# 3729
Delta R.T. -0.177 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion:104 Resp: 24
Ion Ratio Lower Upper
104 100
78 0.0 37.7 56.5#
103 0.0 44.2 66.4#

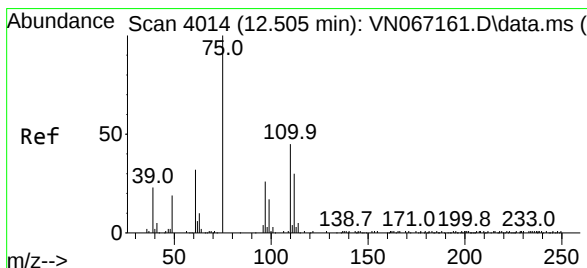
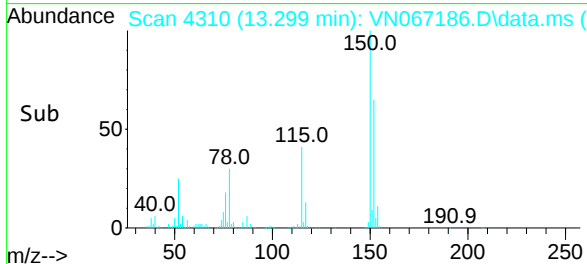
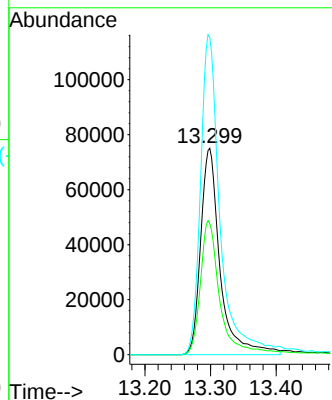
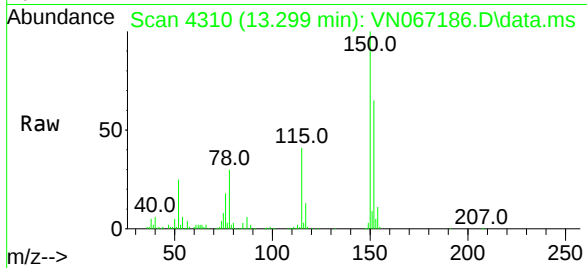




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.299 min Scan# 4310
 Delta R.T. 0.003 min
 Lab File: VN067186.D
 Acq: 28 May 2021 16:25

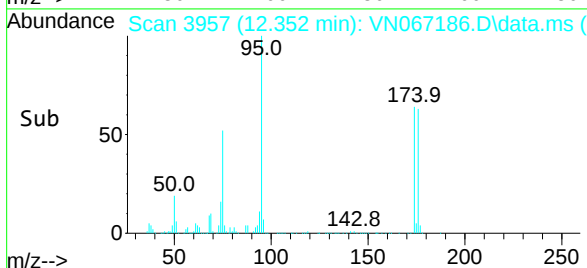
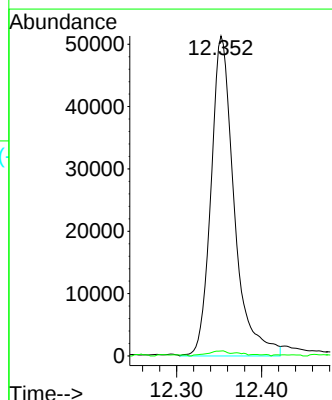
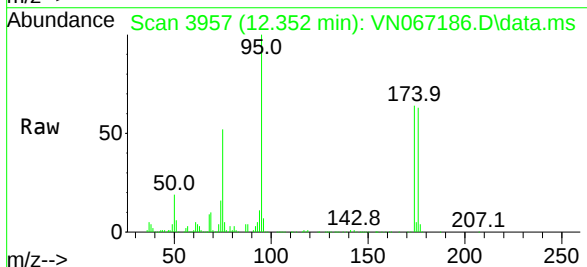
Instrument :
 MSVOA_N
 ClientSampleId :
 PB136697ZHE#03

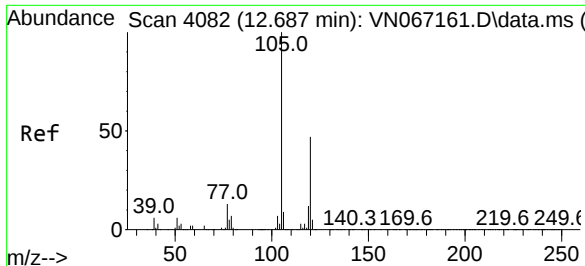
Tgt Ion:152 Resp: 154444
 Ion Ratio Lower Upper
 152 100
 115 65.5 27.0 80.8
 150 155.1 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 22.61 ug/l
 RT: 12.352 min Scan# 3957
 Delta R.T. -0.153 min
 Lab File: VN067186.D
 Acq: 28 May 2021 16:25

Tgt Ion: 75 Resp: 97204
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

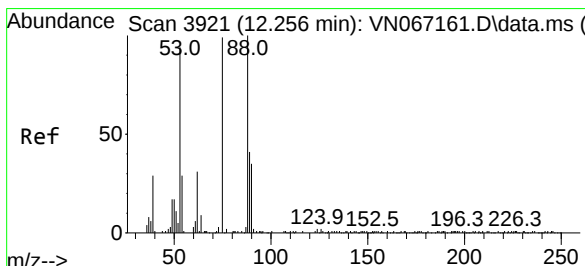
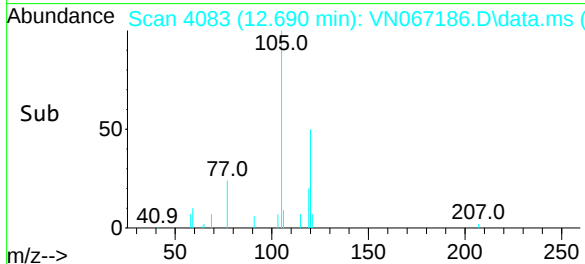
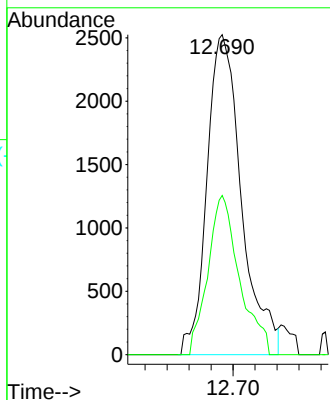
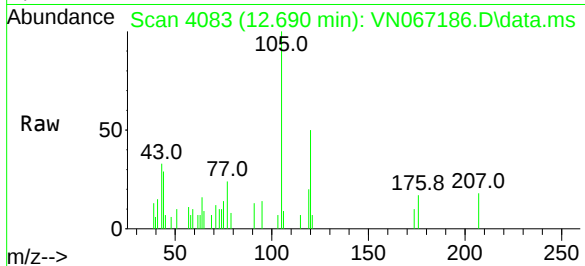




#80
1,3,5-Trimethylbenzene
Concen: 0.44 ug/l
RT: 12.690 min Scan# 4083
Delta R.T. 0.003 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

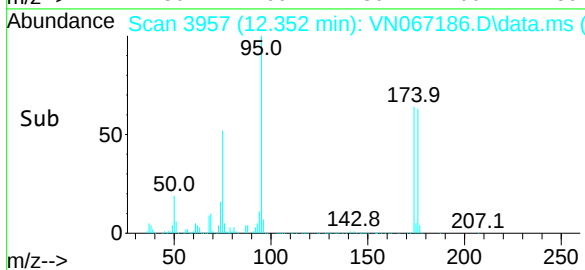
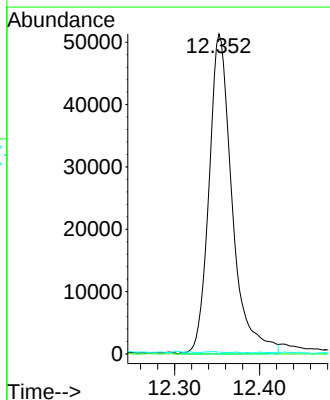
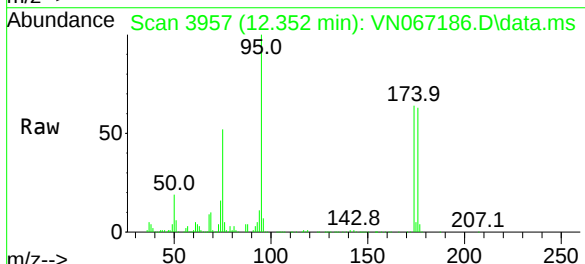
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

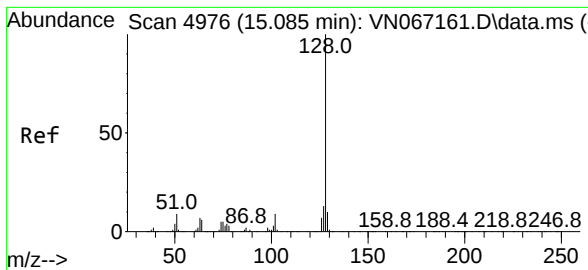
Tgt Ion:105 Resp: 5508
Ion Ratio Lower Upper
105 100
120 45.4 25.0 75.0



#81
trans-1,4-Dichloro-2-butene
Concen: 64.38 ug/l
RT: 12.352 min Scan# 3957
Delta R.T. 0.096 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Tgt Ion: 75 Resp: 97204
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.2 39.5 59.3#





#95
Naphthalene
Concen: 3.89 ug/l
RT: 15.098 min Scan# 4981
Delta R.T. 0.013 min
Lab File: VN067186.D
Acq: 28 May 2021 16:25

Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#03

Tgt Ion:128	Resp:	219
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.2 15.2#
129	0.0	8.6 13.0#

