

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
 Data File : VN066634.D
 Acq On : 16 Apr 2021 18:31
 Operator : JC/MD
 Sample : PB135768ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#04

Quant Time: Apr 17 05:18:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

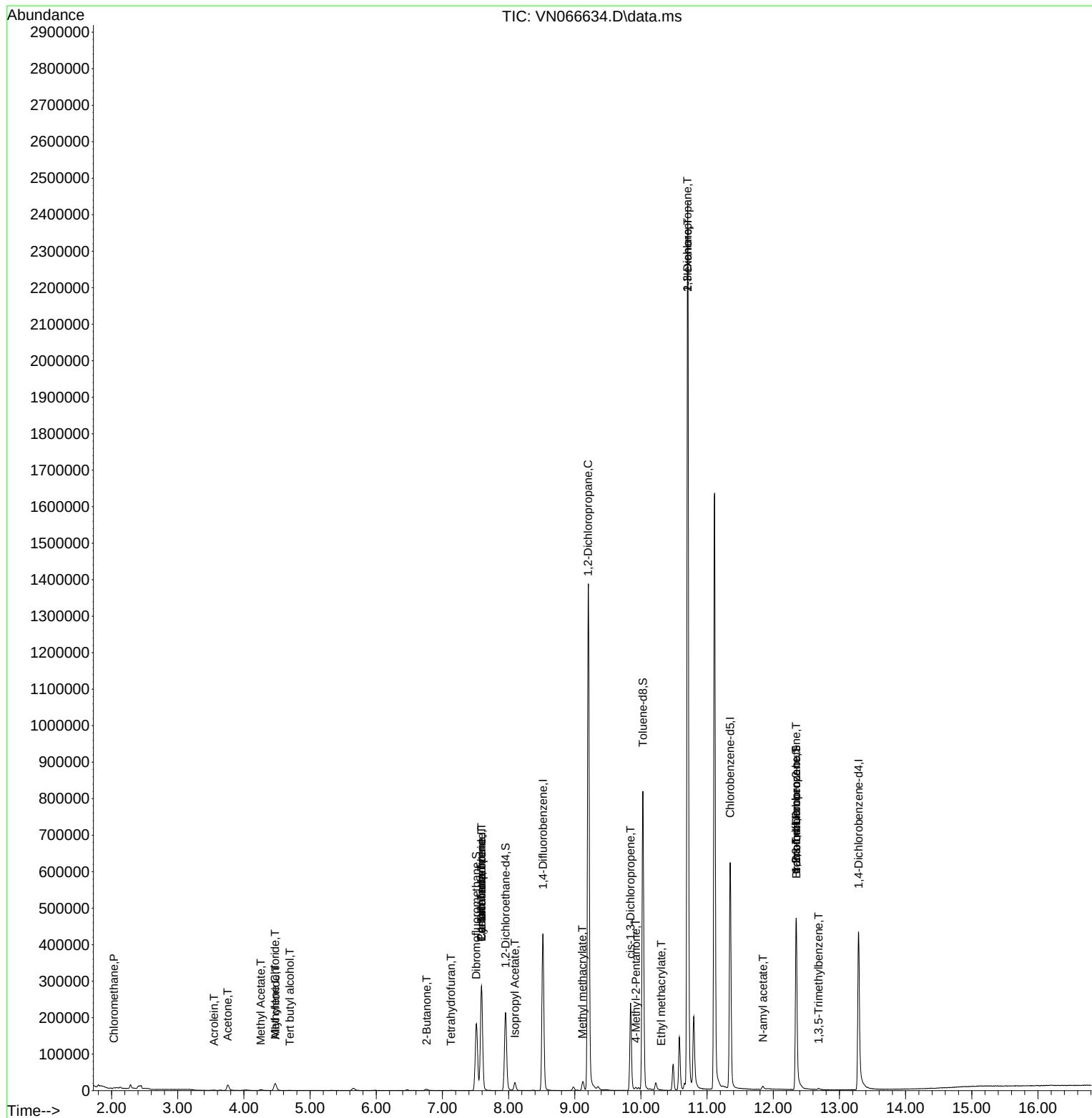
Internal Standards						
1) Pentafluorobenzene	7.591	168	243572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	385263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	362534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	149632	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	183486	49.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.86%			
35) Dibromofluoromethane	7.513	113	143043	53.54	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.08%			
50) Toluene-d8	10.029	98	567360	54.18	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.36%			
62) 4-Bromofluorobenzene	12.346	95	183619	49.87	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.74%			
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1340	0.31	ug/l	98
11) Tert butyl alcohol	4.694	59	357	0.61	ug/l #	73
13) Acrolein	3.549	56	751	2.39	ug/l	87
14) Allyl chloride	4.477	41	517	0.48	ug/l #	25
16) Acetone	3.756	43	25861	11.58	ug/l	94
18) Methyl Acetate	4.255	43	2800	0.71	ug/l #	76
20) Methylene Chloride	4.472	84	14042	4.04	ug/l	95
25) 2-Butanone	6.760	43	7551	3.49	ug/l	97
29) Tetrahydrofuran	7.130	42	311	0.21	ug/l #	32
31) Cyclohexane	7.591	56	5182	0.98	ug/l #	4
36) 1,1-Dichloropropene	7.591	75	18004	4.64	ug/l #	47
38) Carbon Tetrachloride	7.591	117	21788	5.99	ug/l #	17
43) Isopropyl Acetate	8.095	43	27728	3.77	ug/l #	85
45) 1,2-Dichloropropane	9.200	63	1595	0.46	ug/l #	44
48) Methyl methacrylate	9.114	41	7327	2.21	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	5971	1.38	ug/l	89
54) cis-1,3-Dichloropropene	9.844	75	43187	8.51	ug/l #	65
56) Ethyl methacrylate	10.308	69	190	0.94	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	24556	4.84	ug/l #	43
59) 2-Hexanone	10.707	43	366559	121.42	ug/l #	49
71) Bromoform	12.349	173	1377	0.64	ug/l #	1
74) N-amyl acetate	11.845	43	4517	10.79	ug/l #	46
76) 1,2,3-Trichloropropane	12.346	75	91978	26.29	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.684	105	2066	0.21	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.346	75	91978	81.06	ug/l #	12

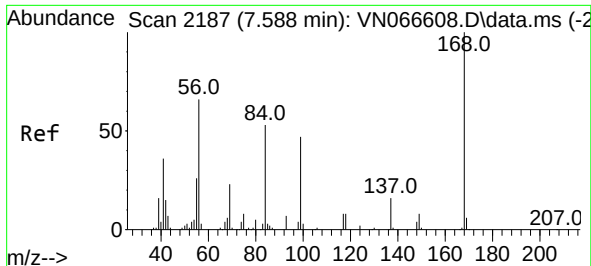
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

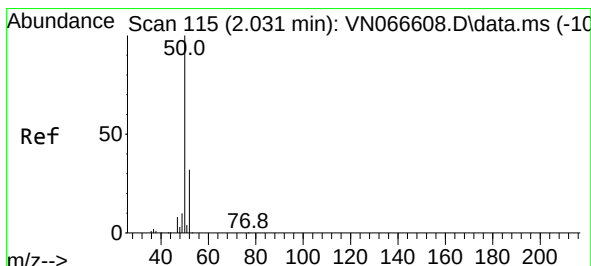
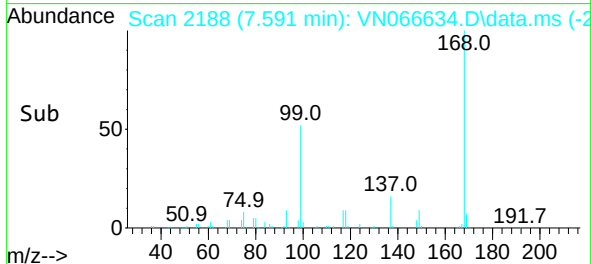
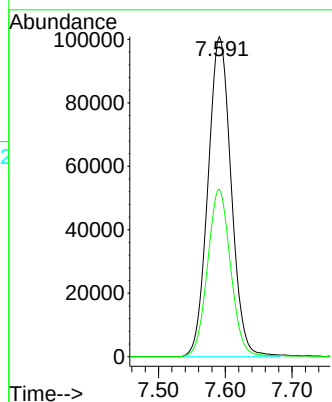
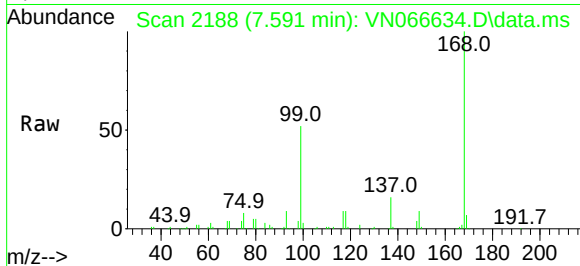




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

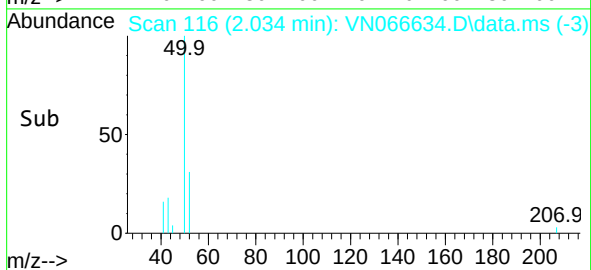
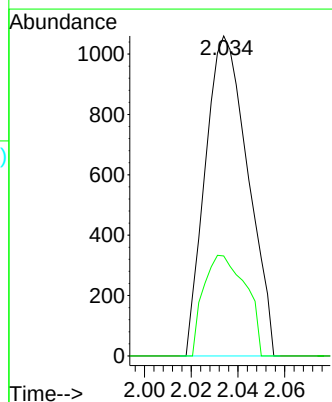
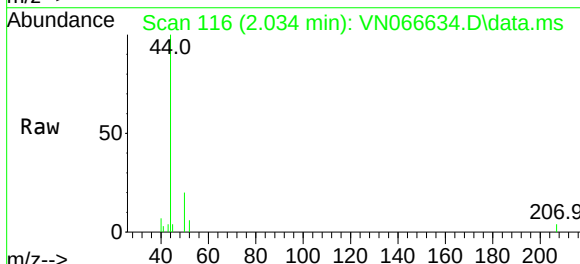
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

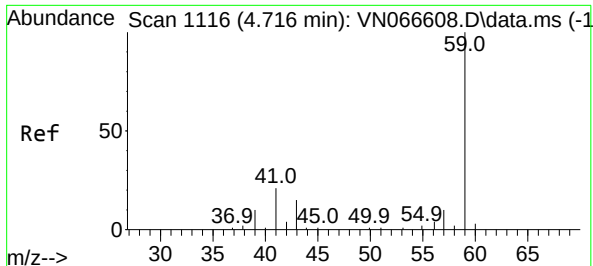
Tgt Ion:168 Resp: 243572
Ion Ratio Lower Upper
168 100
99 52.3 42.6 63.8



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 50 Resp: 1340
Ion Ratio Lower Upper
50 100
52 31.2 25.8 38.8



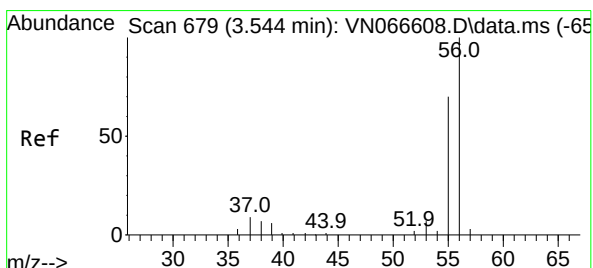
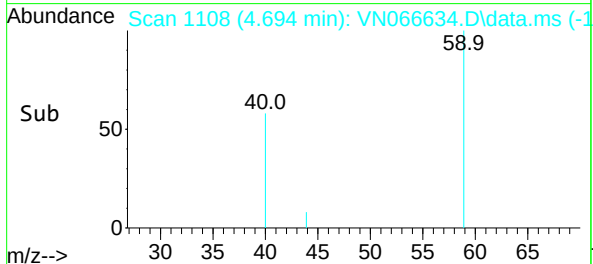
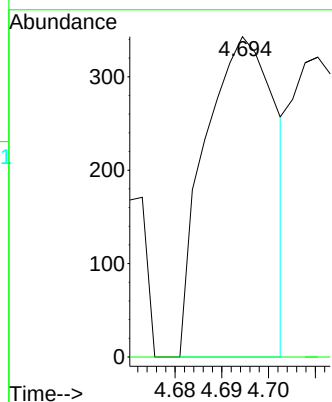
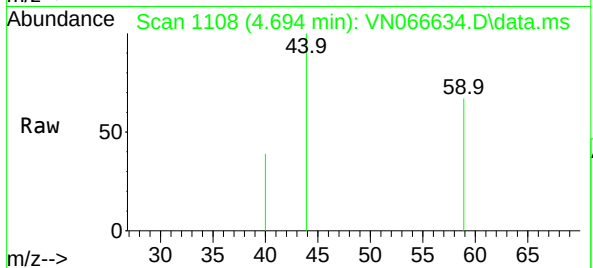


#11

Tert butyl alcohol
Concen: 0.61 ug/l
RT: 4.694 min Scan# 1108
Delta R.T. -0.022 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

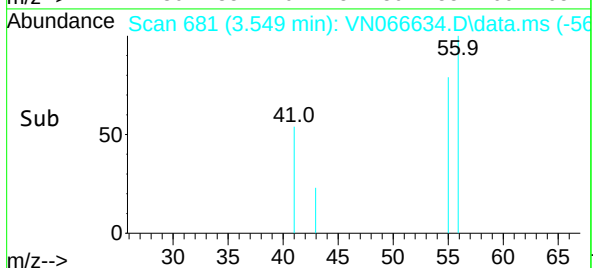
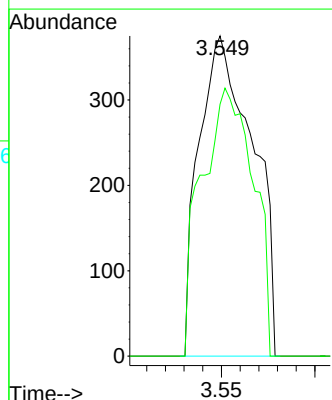
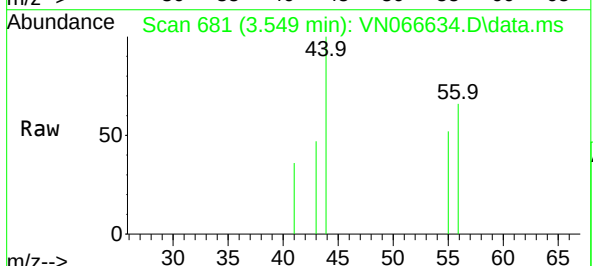
Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

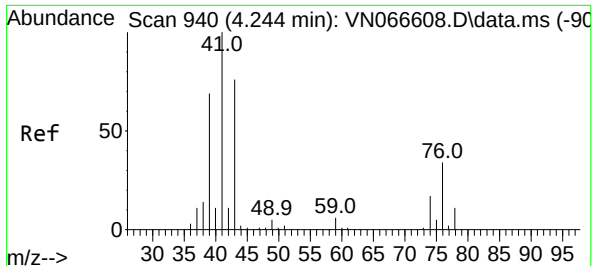


#13

Acrolein
Concen: 2.39 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.005 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 56 Resp: 751
Ion Ratio Lower Upper
56 100
55 80.6 56.0 84.0

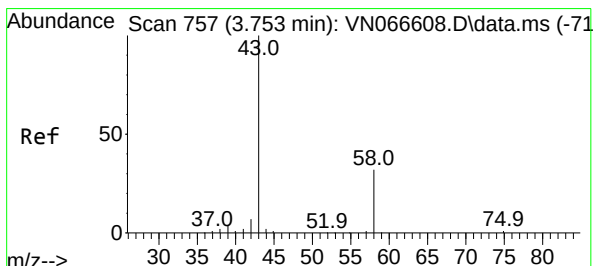
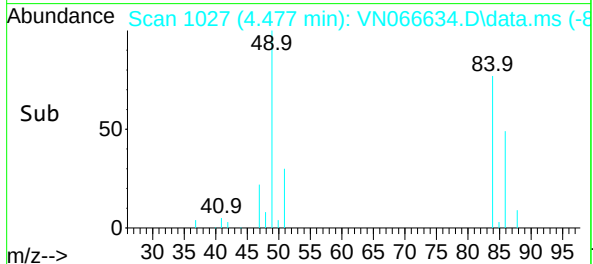
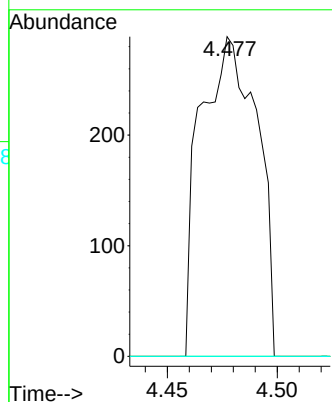
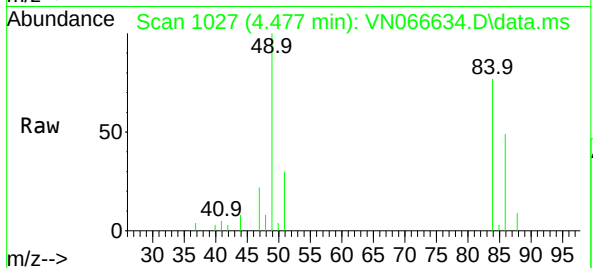




#14
Allyl chloride
Concen: 0.48 ug/l
RT: 4.477 min Scan# 1027
Delta R.T. 0.233 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

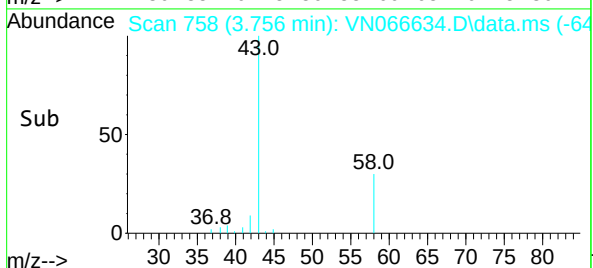
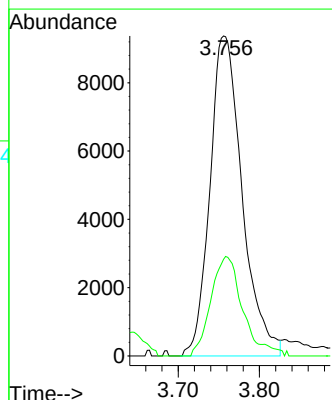
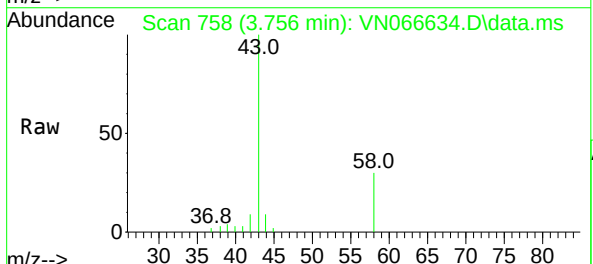
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

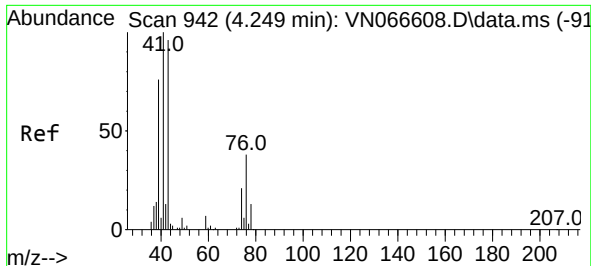
Tgt Ion: 41 Resp: 517
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.4#
76 0.0 28.9 43.3#



#16
Acetone
Concen: 11.58 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

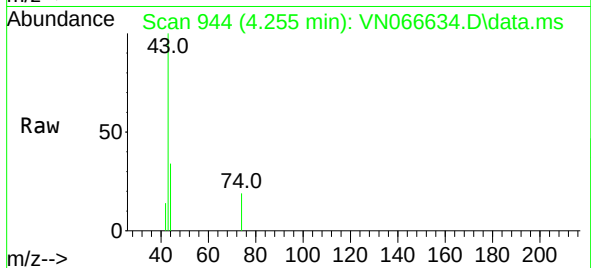
Tgt Ion: 43 Resp: 25861
Ion Ratio Lower Upper
43 100
58 30.2 27.0 40.6



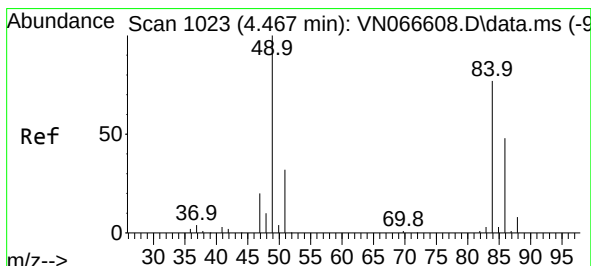
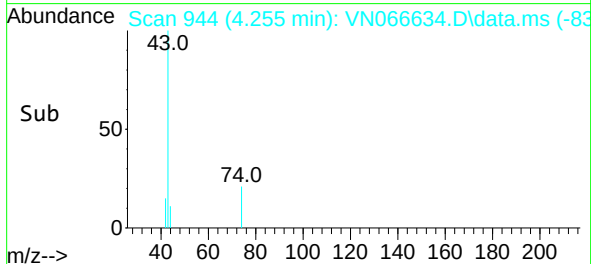
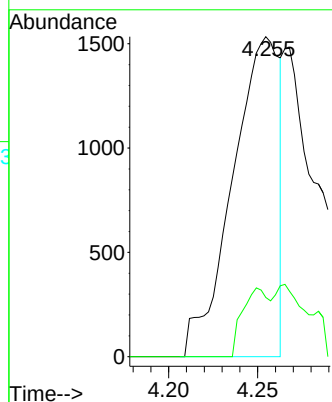


#18
Methyl Acetate
Concen: 0.71 ug/l
RT: 4.255 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

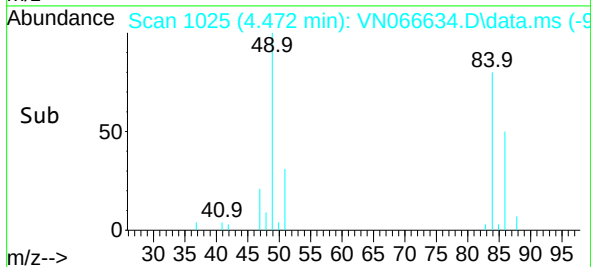
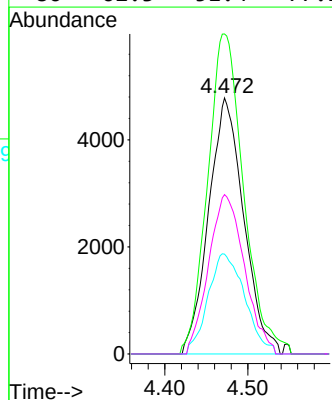
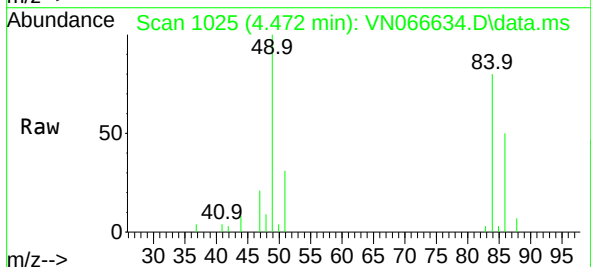


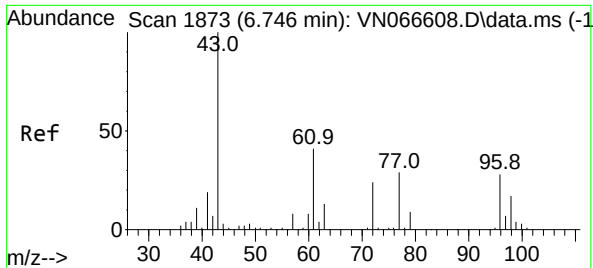
Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
74 12.3 19.5 29.3#



#20
Methylene Chloride
Concen: 4.04 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.005 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 84 Resp: 14042
Ion Ratio Lower Upper
84 100
49 125.0 94.6 141.8
51 39.0 29.9 44.9
86 62.3 51.4 77.2

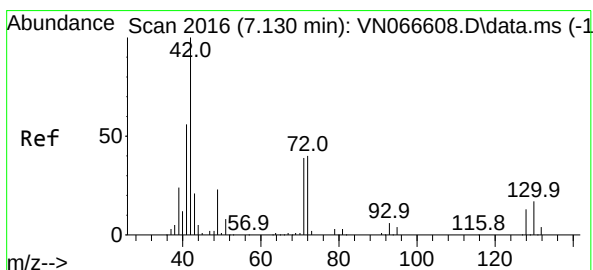
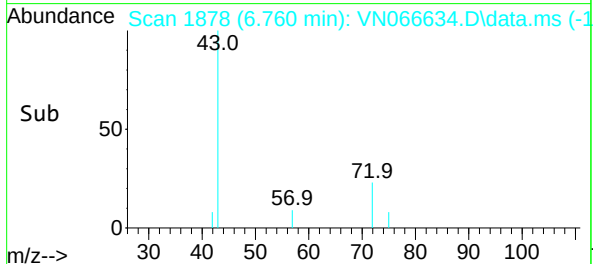
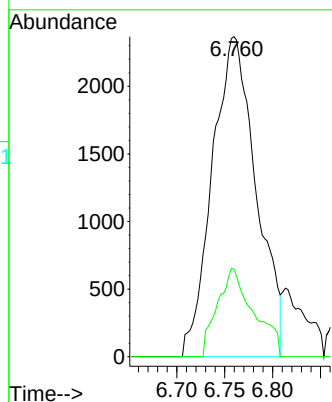
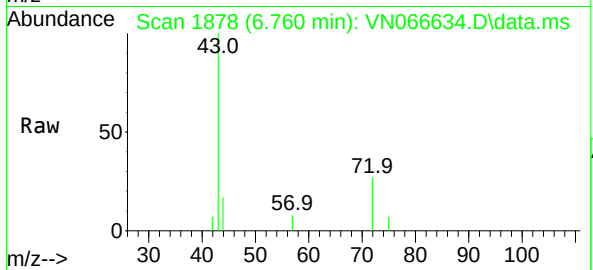




#25
2-Butanone
Concen: 3.49 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

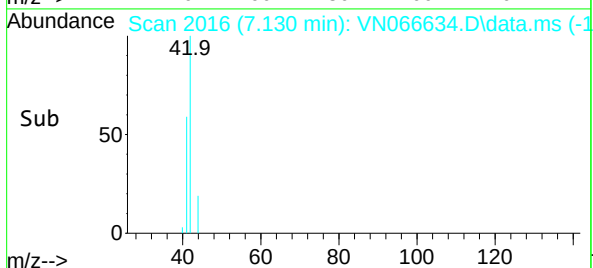
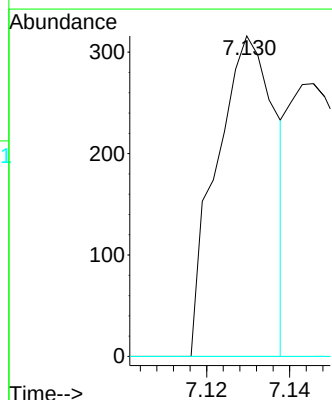
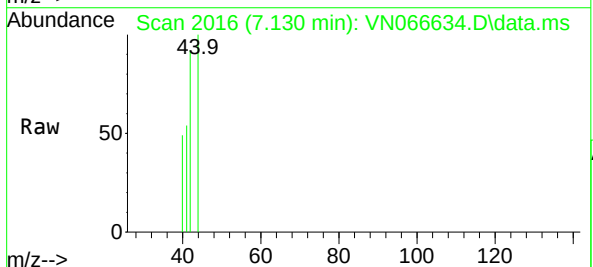
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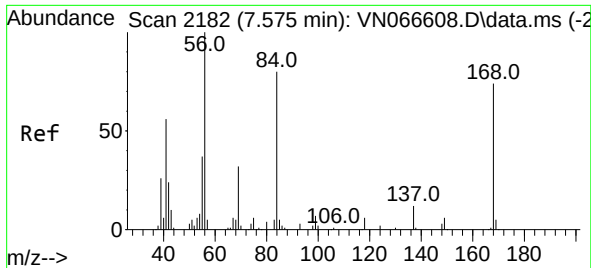
Tgt Ion: 43 Resp: 7551
Ion Ratio Lower Upper
43 100
72 27.4 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 7.130 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 42 Resp: 311
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

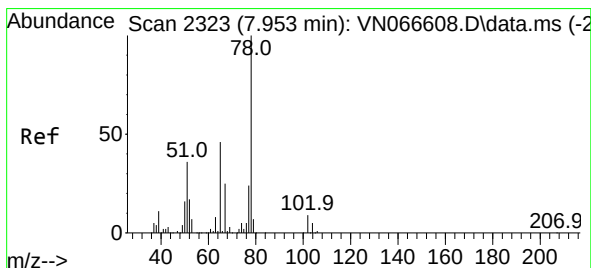
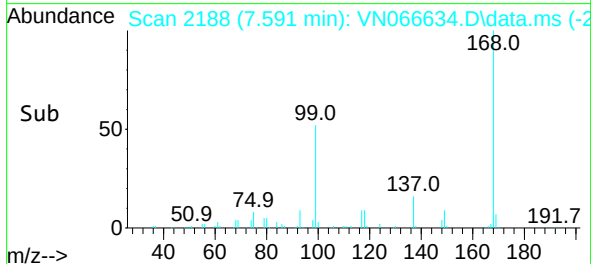
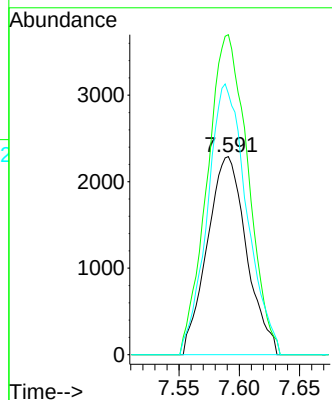
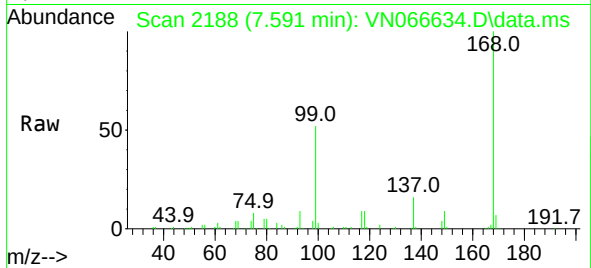




#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.016 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

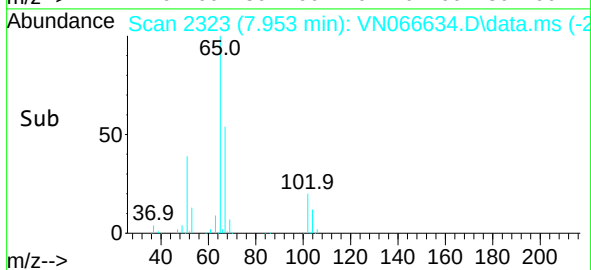
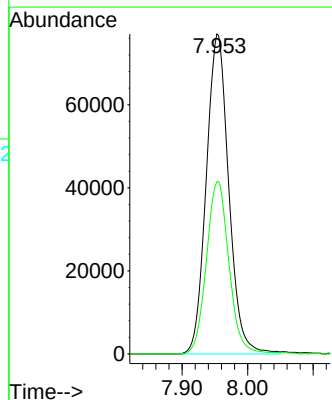
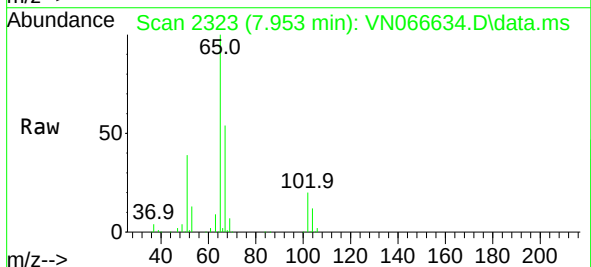
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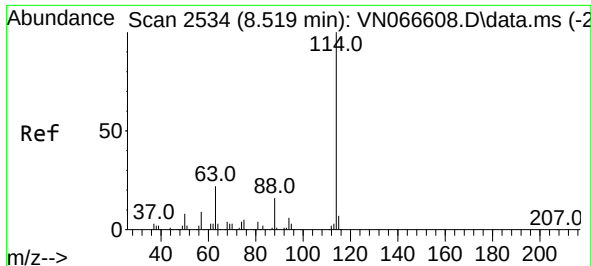
Tgt Ion: 56 Resp: 5182
Ion Ratio Lower Upper
56 100
69 161.5 26.6 39.8#
84 131.8 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.93 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

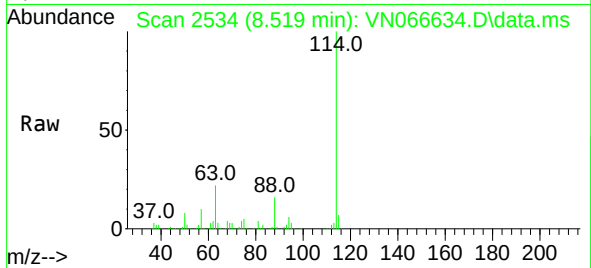
Tgt Ion: 65 Resp: 183486
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2



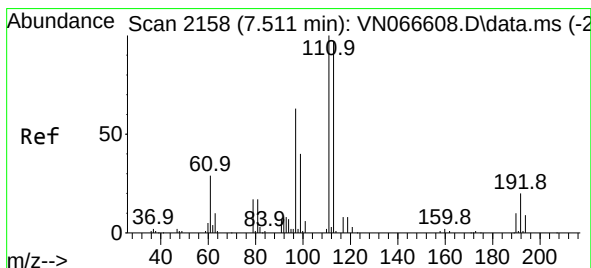
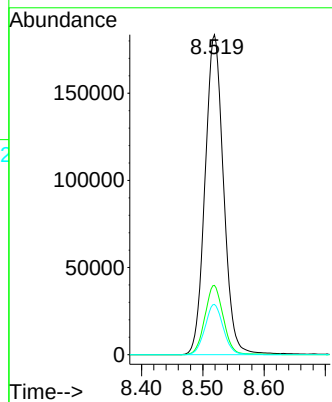
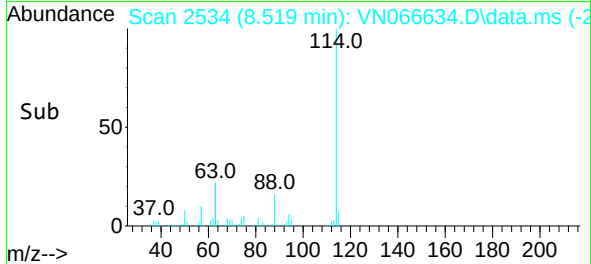


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

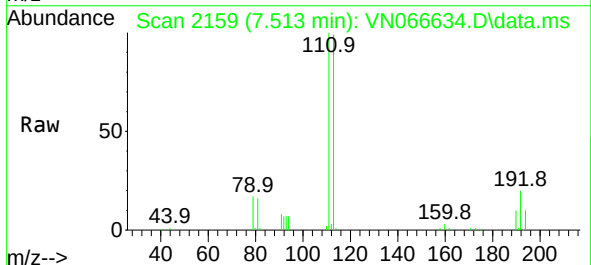
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04



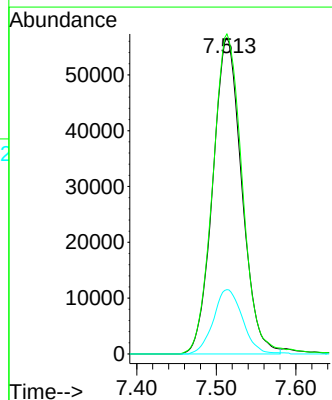
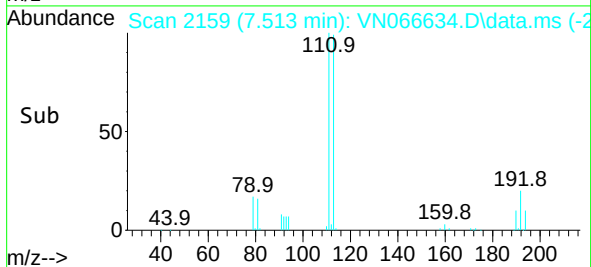
Tgt Ion:114 Resp: 385263
Ion Ratio Lower Upper
114 100
63 21.7 0.0 38.6
88 15.7 0.0 30.6

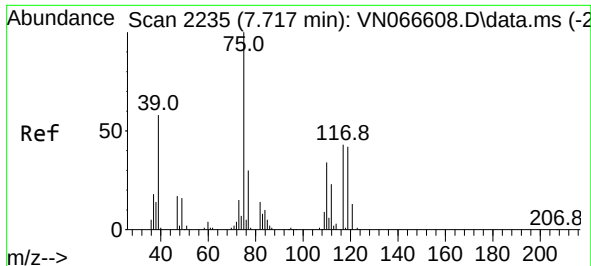


#35
Dibromofluoromethane
Concen: 53.54 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31



Tgt Ion:113 Resp: 143043
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.6 15.4 23.0

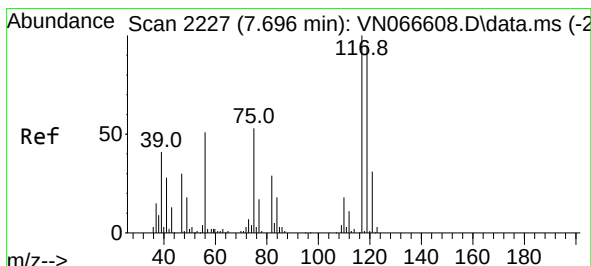
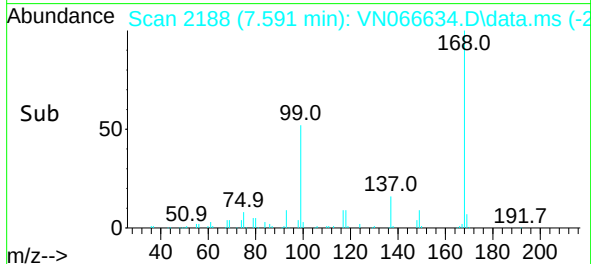
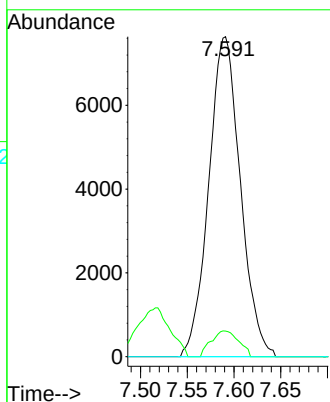
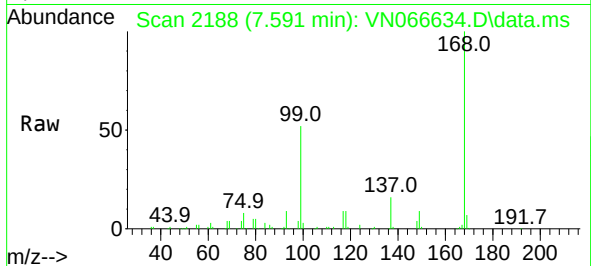




#36
1,1-Dichloropropene
Concen: 4.64 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

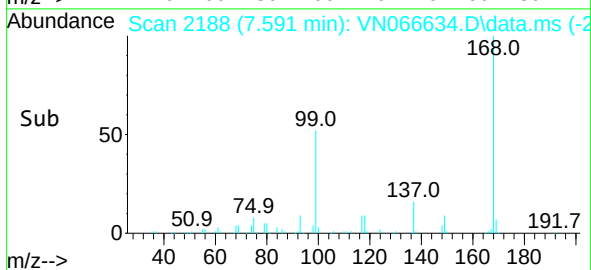
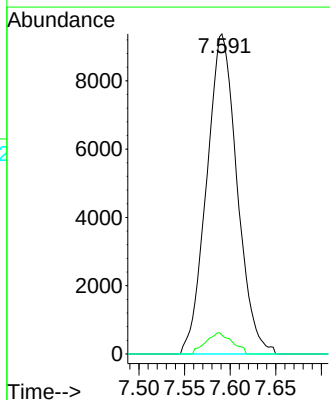
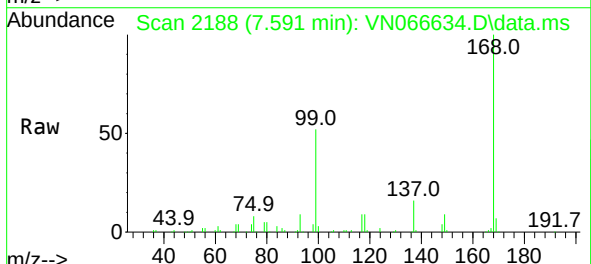
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

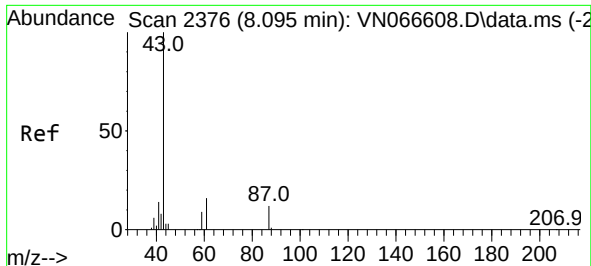
Tgt Ion: 75 Resp: 18004
Ion Ratio Lower Upper
75 100
110 7.0 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.99 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.105 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 117 Resp: 21788
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.5 36.7#

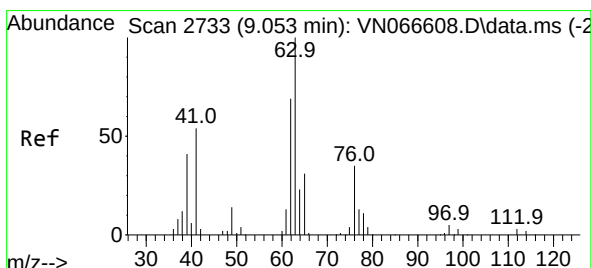
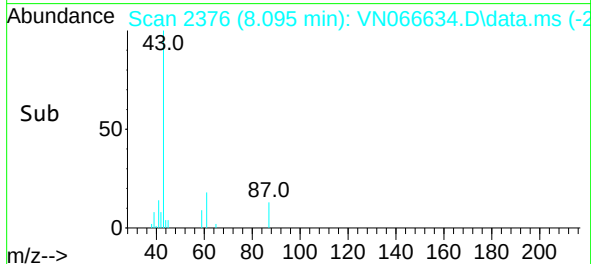
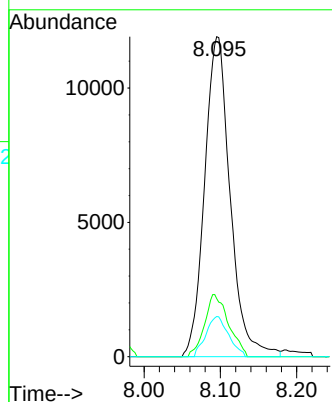
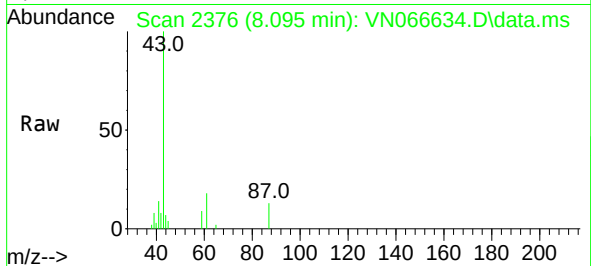




#43
Isopropyl Acetate
Concen: 3.77 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

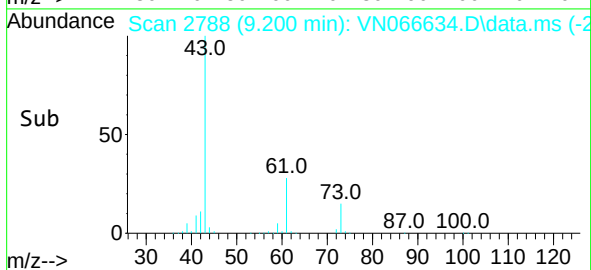
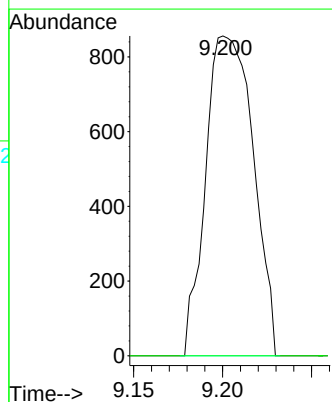
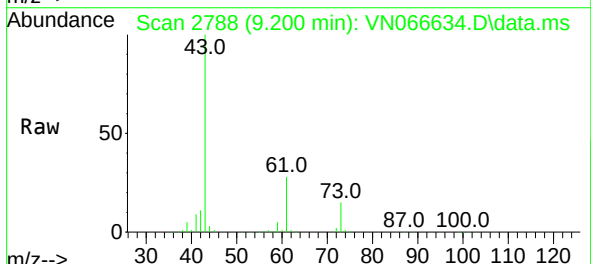
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

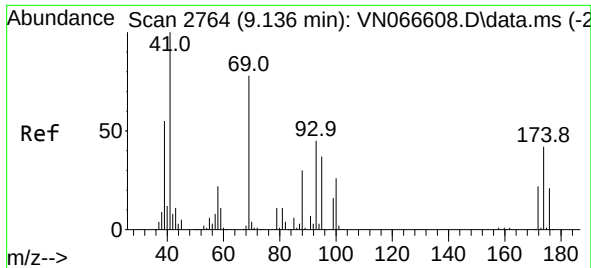
Tgt Ion:	43	Resp:	27728
Ion	Ratio	Lower	Upper
43	100		
61	18.2	22.5	33.7#
87	11.1	11.1	16.7#



#45
1,2-Dichloropropane
Concen: 0.46 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.147 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion:	63	Resp:	1595
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#

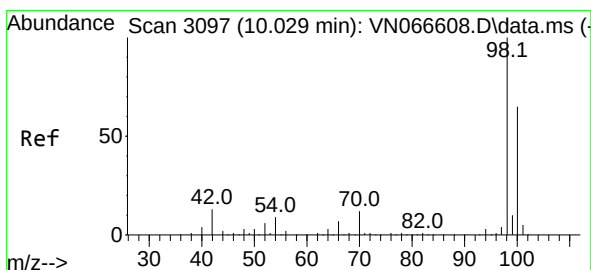
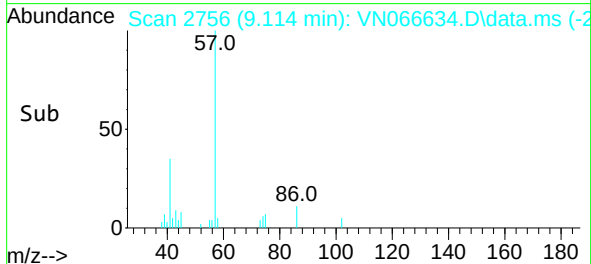
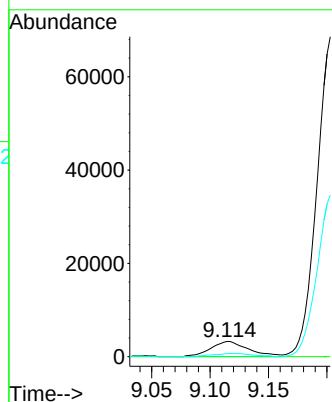
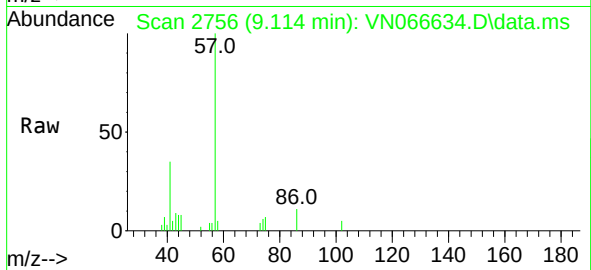




#48
Methyl methacrylate
Concen: 2.21 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

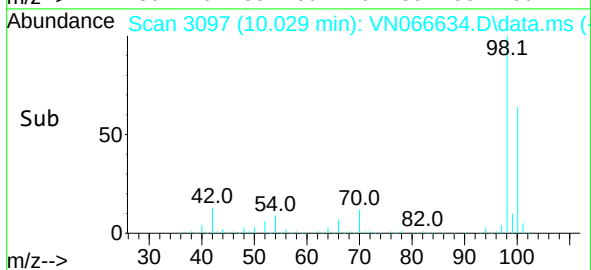
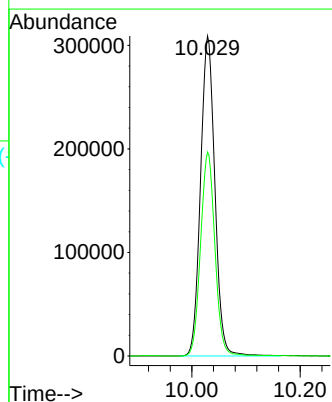
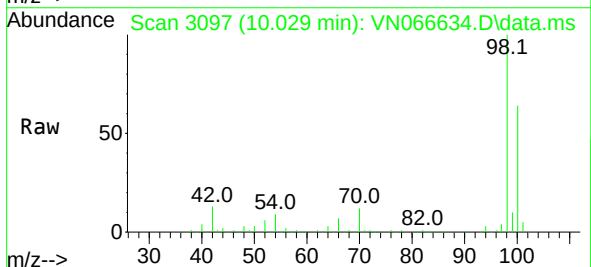
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

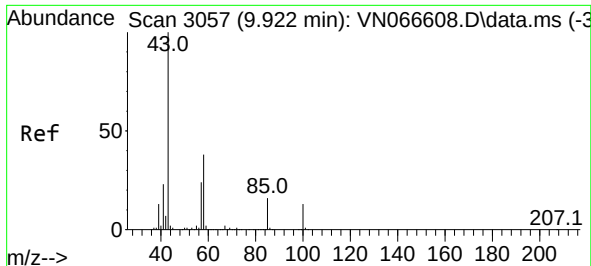
Tgt Ion: 41 Resp: 7327
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 54.18 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 98 Resp: 567360
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

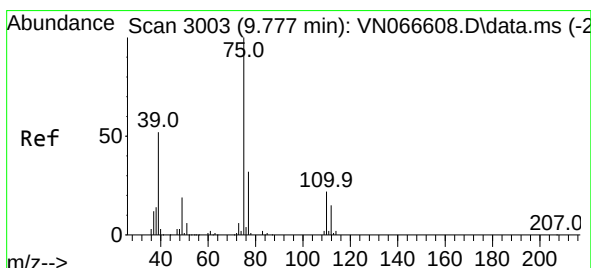
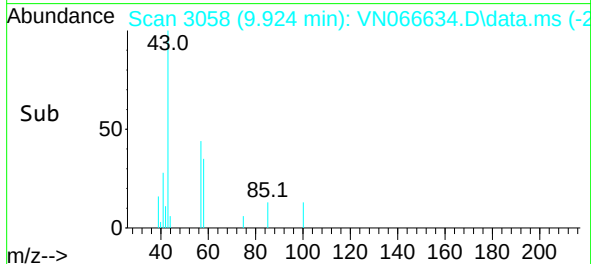
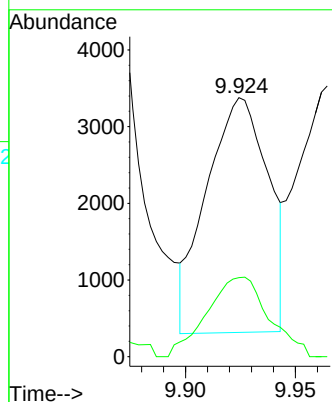
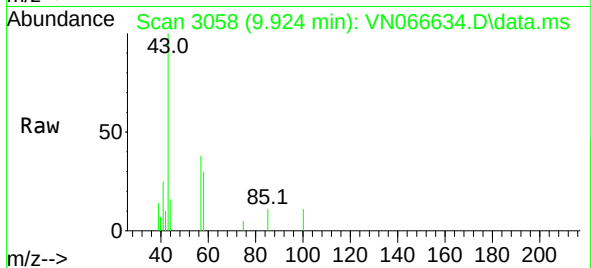




#51
4-Methyl-2-Pentanone
Concen: 1.38 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

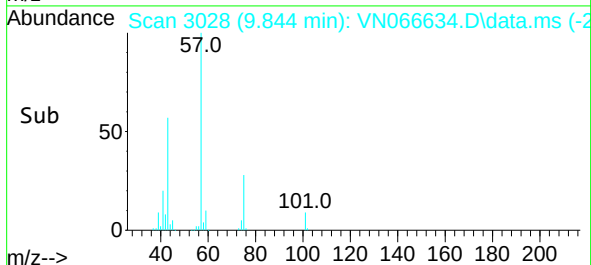
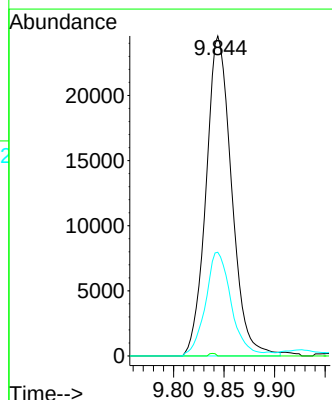
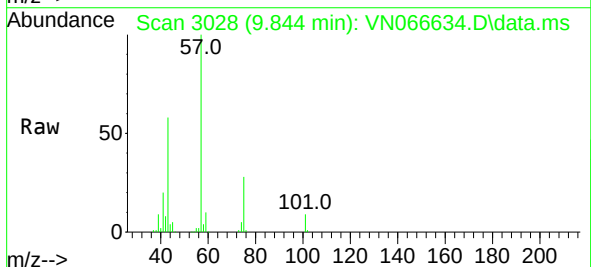
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

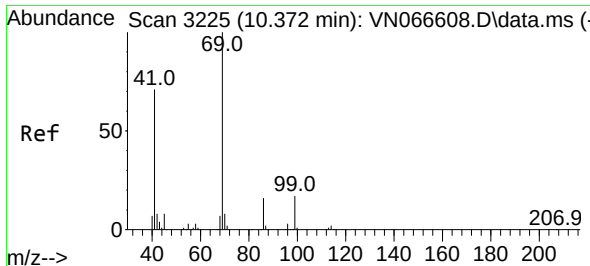
Tgt Ion: 43 Resp: 5971
Ion Ratio Lower Upper
43 100
58 34.0 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.51 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 75 Resp: 43187
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 32.4 36.2 54.4#

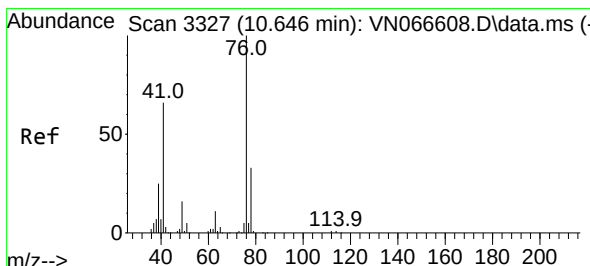
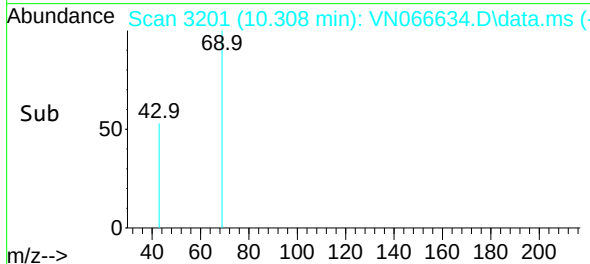
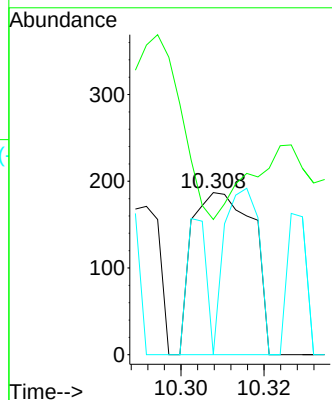
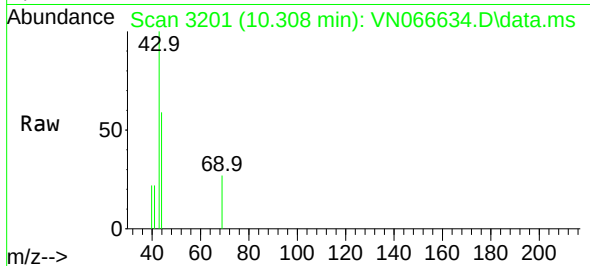




#56
Ethyl methacrylate
Concen: 0.94 ug/l
RT: 10.308 min Scan# 3201
Delta R.T. -0.064 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

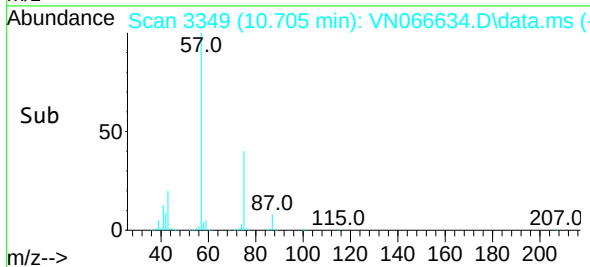
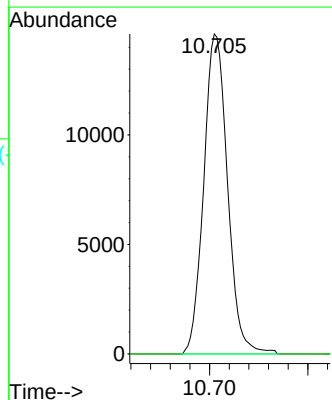
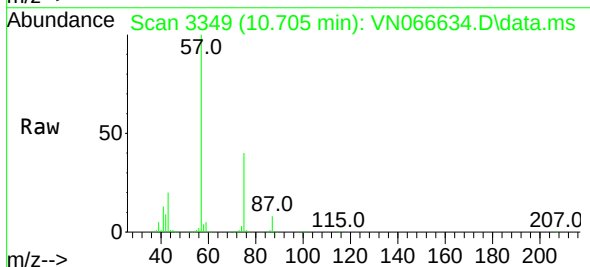
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

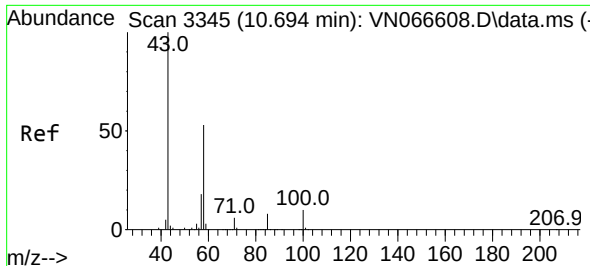
Tgt Ion: 69 Resp: 190
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.84 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 76 Resp: 24556
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

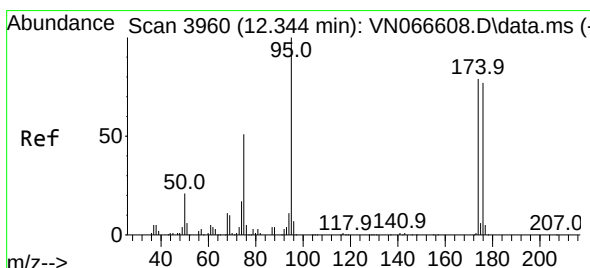
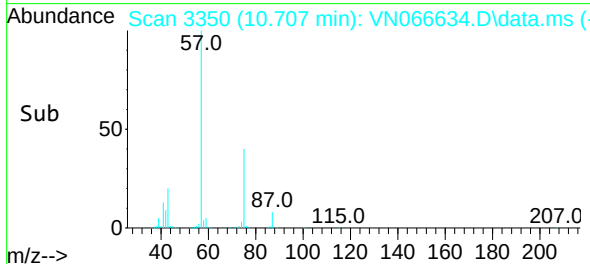
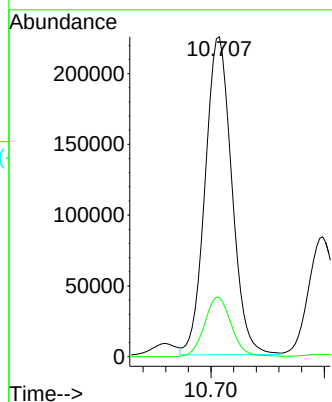
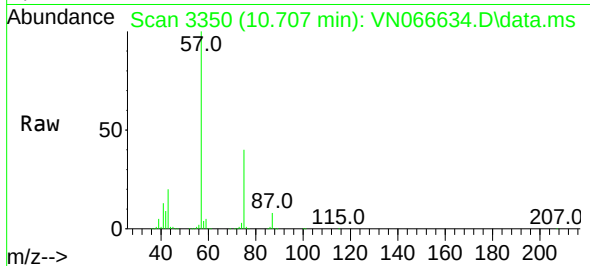




#59
2-Hexanone
Concen: 121.42 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

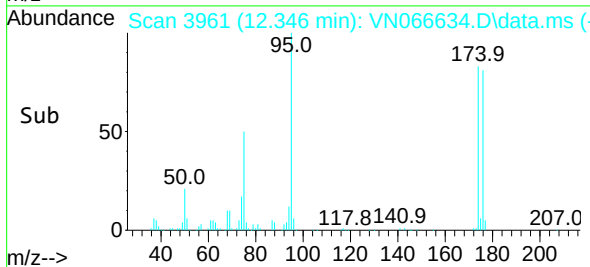
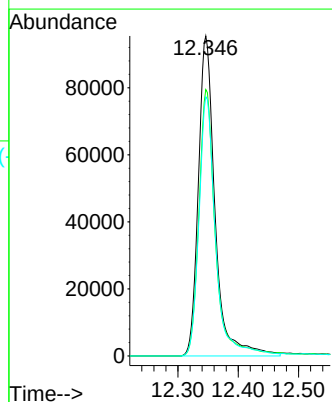
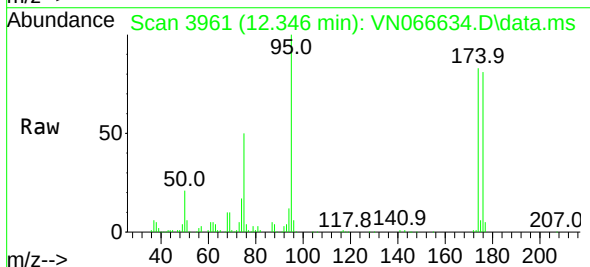
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

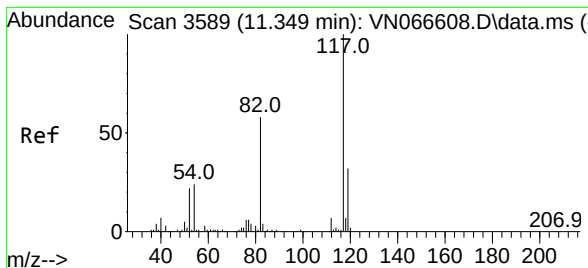
Tgt Ion: 43 Resp: 366559
Ion Ratio Lower Upper
43 100
58 18.9 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.87 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 95 Resp: 183619
Ion Ratio Lower Upper
95 100
174 82.3 0.0 169.0
176 80.8 0.0 162.4

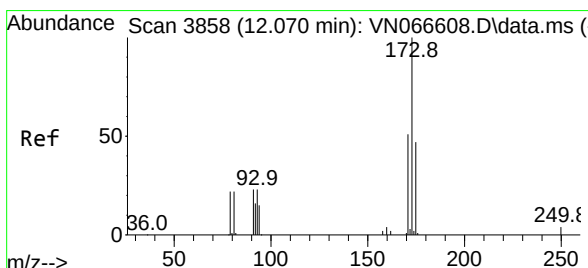
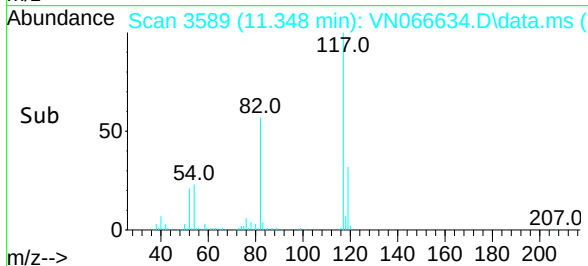
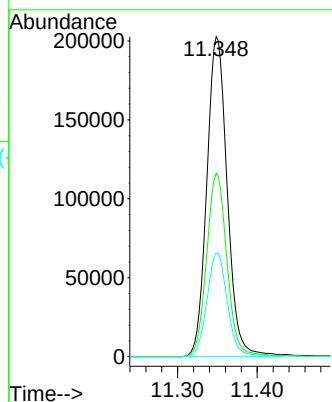
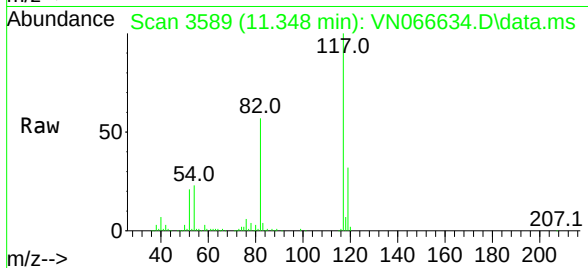




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

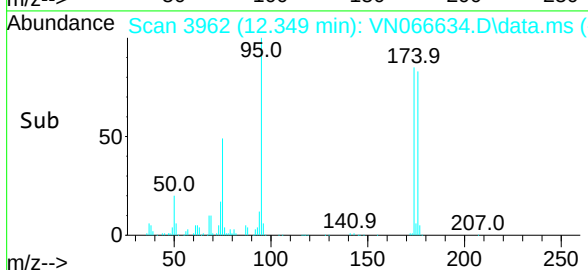
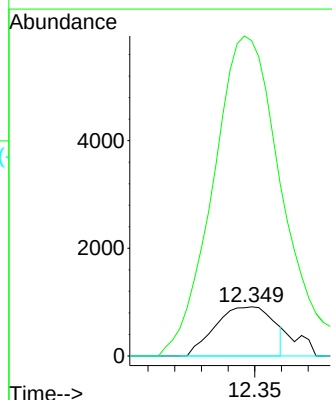
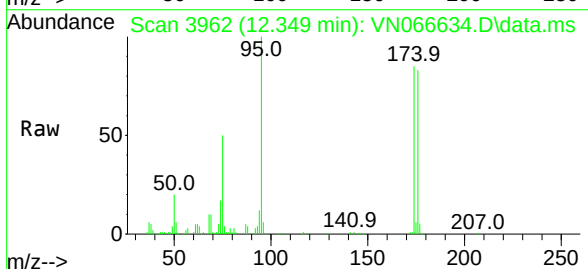
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

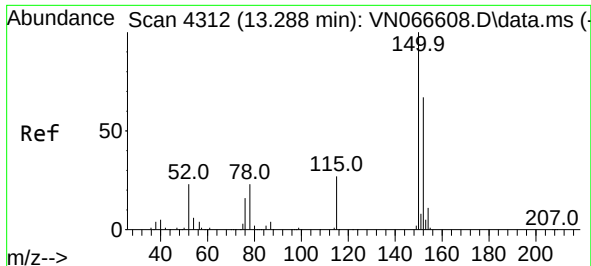
Tgt Ion:	117	Resp:	362534
Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.7	65.5
119	32.5	26.1	39.1



#71
Bromoform
Concen: 0.64 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.279 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion:	173	Resp:	1377
Ion	Ratio	Lower	Upper
173	100		
175	661.9	23.8	71.2#
254	0.0	0.0	0.0

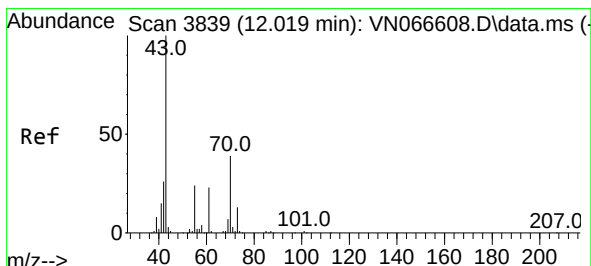
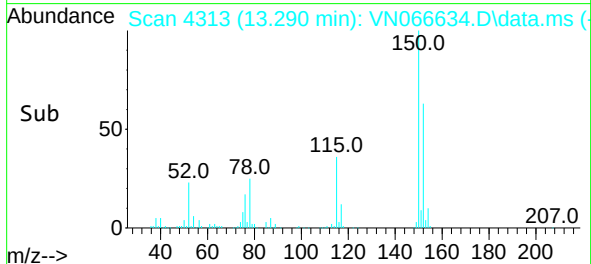
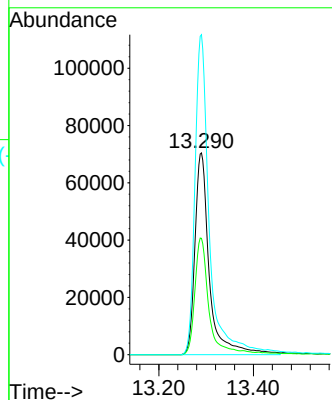
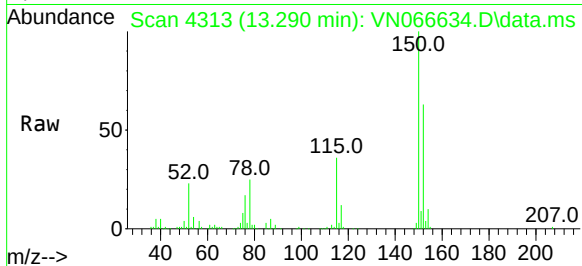




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

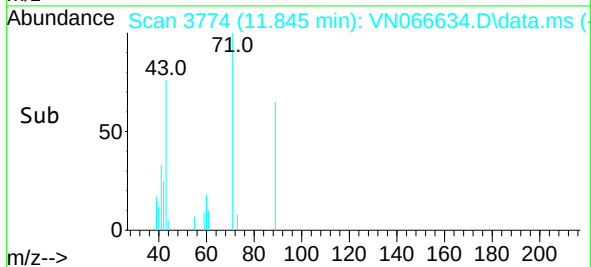
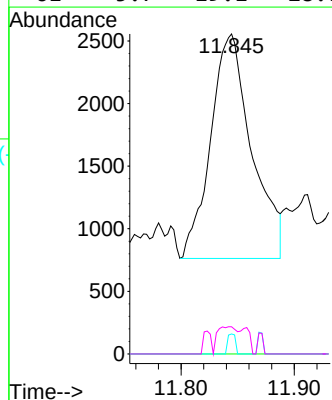
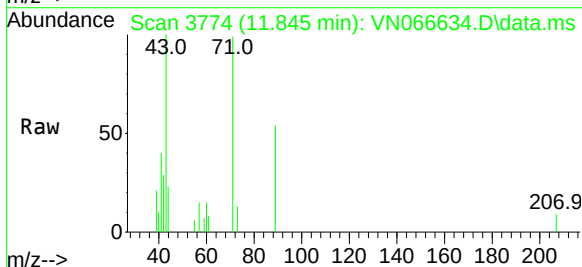
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

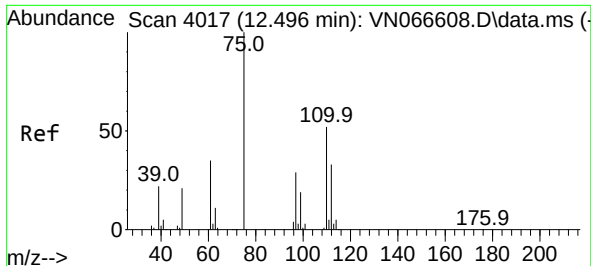
Tgt Ion:152 Resp: 149632
Ion Ratio Lower Upper
152 100
115 54.6 28.5 85.6
150 155.7 0.0 347.6



#74
N-ethyl acetate
Concen: 10.79 ug/l
RT: 11.845 min Scan# 3774
Delta R.T. -0.174 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

Tgt Ion: 43 Resp: 4517
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 1.6 20.7 31.1#
61 5.7 19.1 28.7#

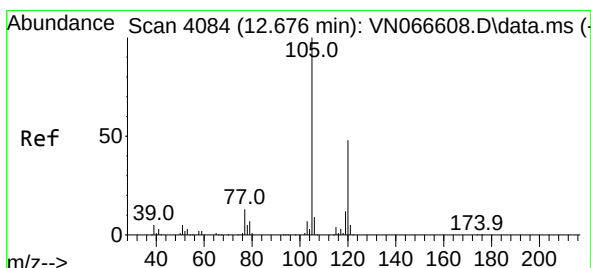
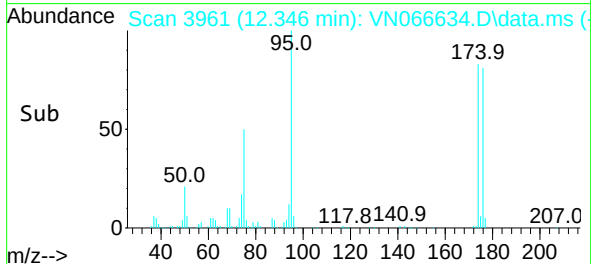
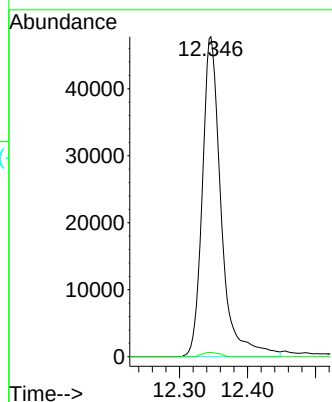
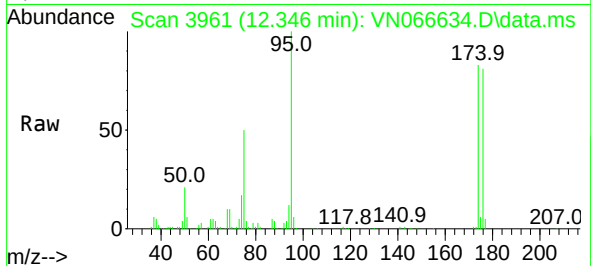




#76
1,2,3-Trichloropropane
Concen: 26.29 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

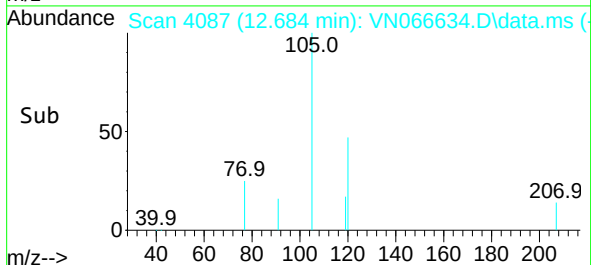
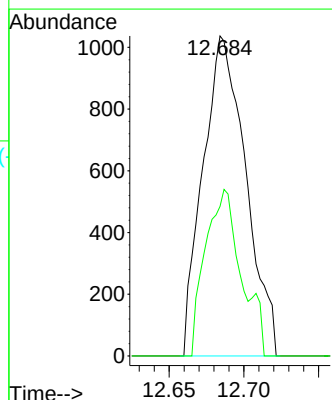
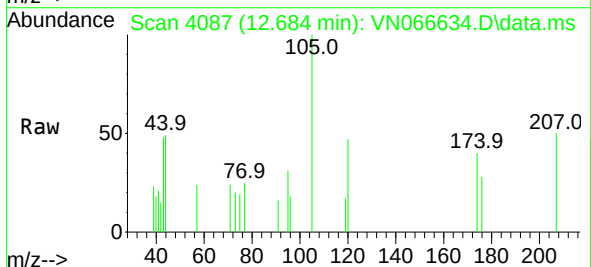
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#04

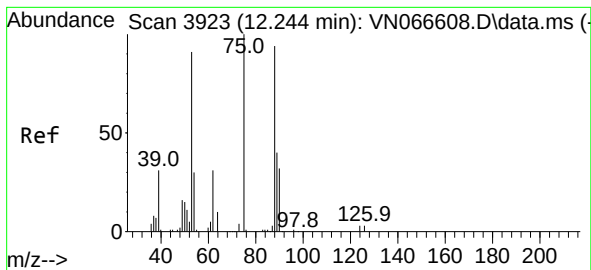
Tgt Ion: 75 Resp: 91978
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 12.684 min Scan# 4087
Delta R.T. 0.008 min
Lab File: VN066634.D
Acq: 16 Apr 2021 18:31

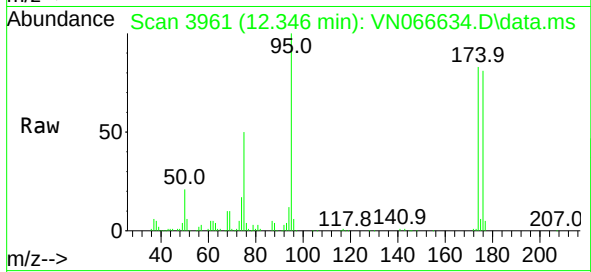
Tgt Ion: 105 Resp: 2066
Ion Ratio Lower Upper
105 100
120 43.6 24.3 72.8





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.06 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066634.D
 Acq: 16 Apr 2021 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#04



Tgt Ion: 75 Resp: 91978
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.3 35.8 53.8#

