

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122320\
 Data File : VN065234.D
 Acq On : 23 Dec 2020 14:49
 Operator : JC/MD
 Sample : PB133762ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133762ZHE#02

Quant Time: Dec 24 04:20:48 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

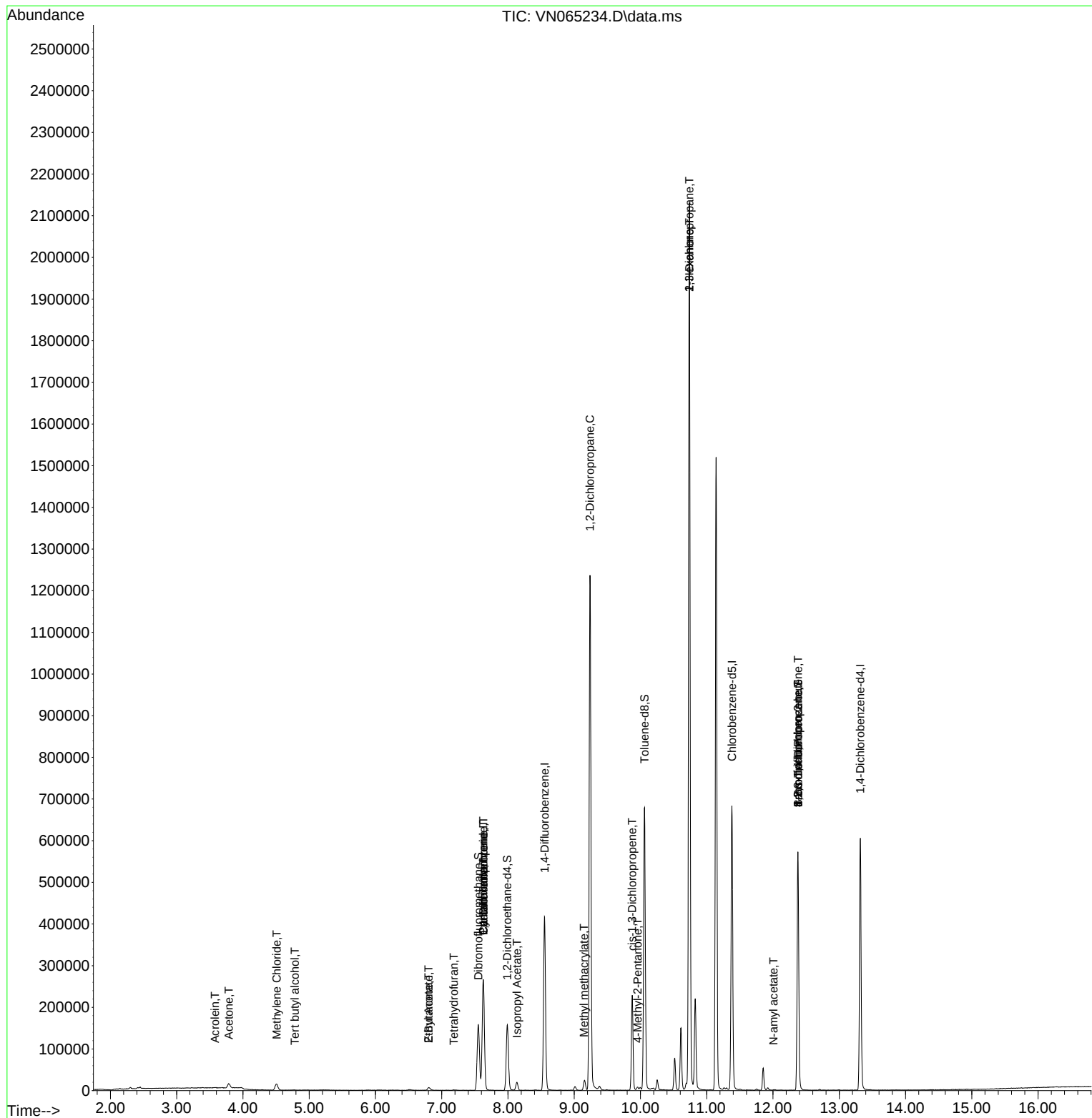
Internal Standards						
1) Pentafluorobenzene	7.627	168	237169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	389328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	407704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	180158	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	140000	52.29	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.58%			
35) Dibromofluoromethane	7.553	113	120813	51.43	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.86%			
50) Toluene-d8	10.061	98	480220	54.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.10%			
62) 4-Bromofluorobenzene	12.376	95	194262	55.20	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.40%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.782	59	360	0.82	ug/l #	73
13) Acrolein	3.576	56	179	3.01	ug/l #	63
16) Acetone	3.785	43	17134	4.69	ug/l	96
20) Methylene Chloride	4.508	84	11235	4.30	ug/l	98
25) 2-Butanone	6.801	43	8265	5.50	ug/l	99
29) Tetrahydrofuran	7.184	42	626	0.64	ug/l #	44
31) Cyclohexane	7.627	56	4388	1.11	ug/l #	8
36) 1,1-Dichloropropene	7.627	75	15862	4.48	ug/l #	50
37) Ethyl Acetate	6.801	43	8265	2.36	ug/l #	66
38) Carbon Tetrachloride	7.627	117	20149	5.42	ug/l #	17
43) Isopropyl Acetate	8.135	43	24461	4.04	ug/l	94
45) 1,2-Dichloropropane	9.238	63	1417	0.52	ug/l #	43
48) Methyl methacrylate	9.148	41	6253	2.13	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	5347	1.57	ug/l	94
54) cis-1,3-Dichloropropene	9.875	75	42201	8.99	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	21947	5.06	ug/l #	42
59) 2-Hexanone	10.736	43	315622	126.27	ug/l #	48
71) Bromoform	12.376	173	1119	0.40	ug/l #	1
74) N-amyl acetate	12.007	43	1145	0.21	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	99054	26.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	99054	67.96	ug/l #	15

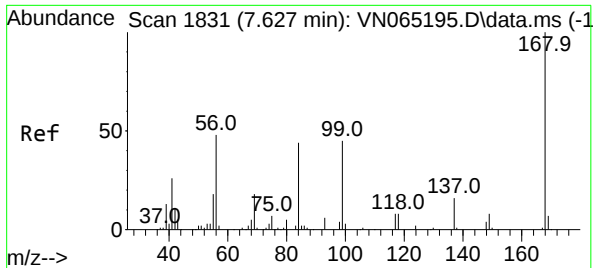
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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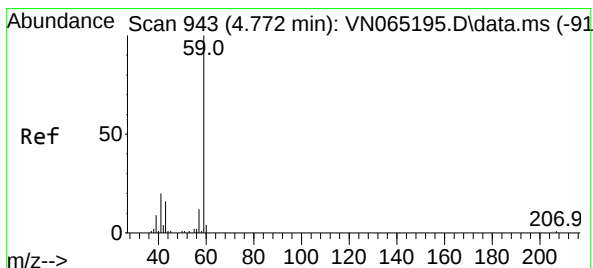
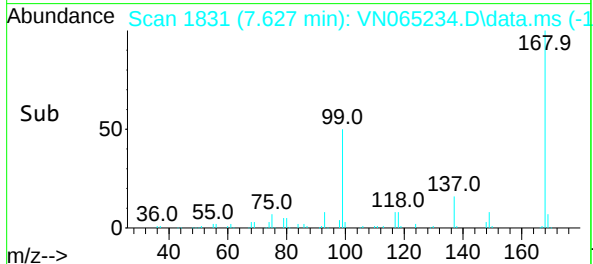
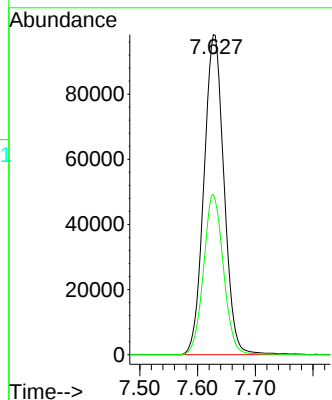
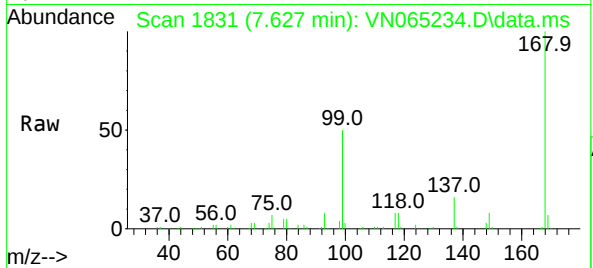




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

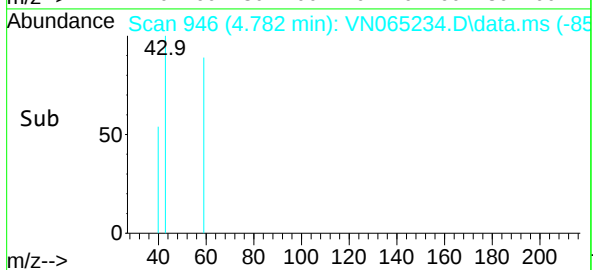
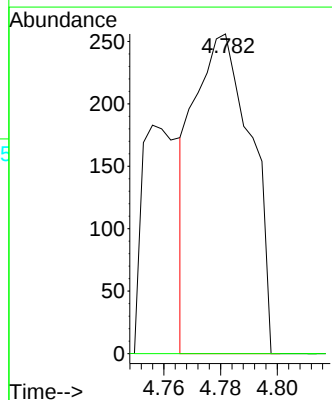
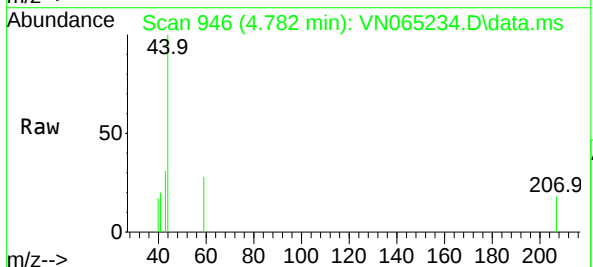
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

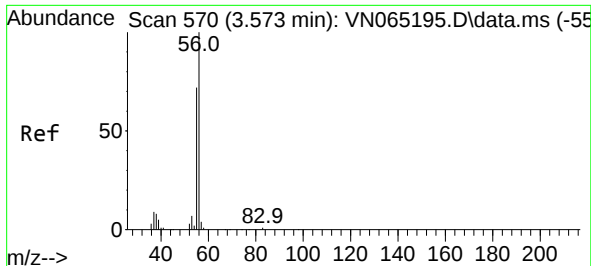
Tgt Ion:168 Resp: 237169
Ion Ratio Lower Upper
168 100
99 50.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.82 ug/l
RT: 4.782 min Scan# 946
Delta R.T. 0.010 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

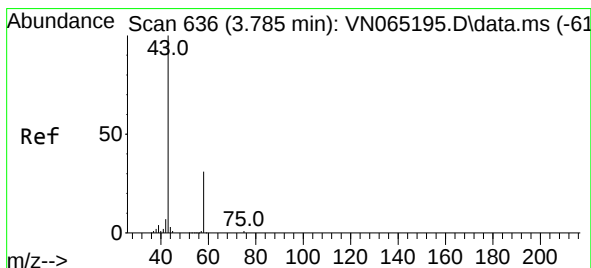
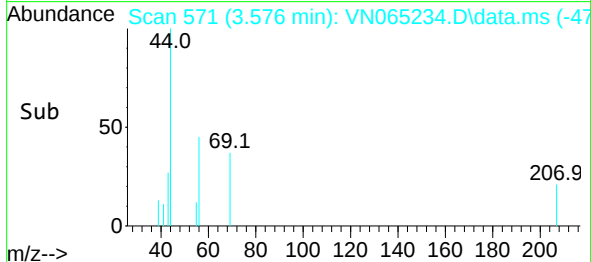
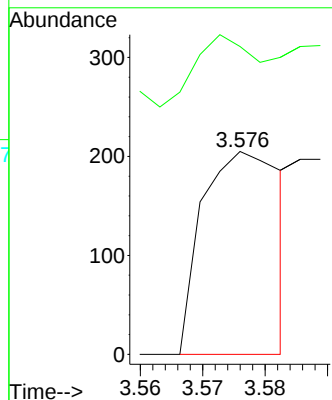
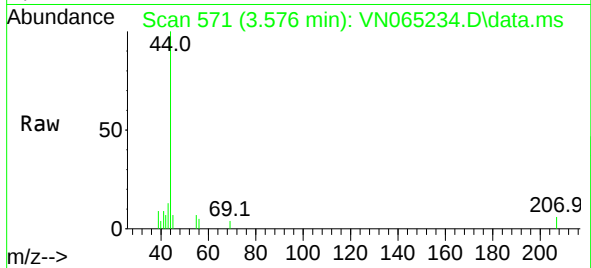




#13
Acrolein
Concen: 3.01 ug/l
RT: 3.576 min Scan# 571
Delta R.T. 0.003 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

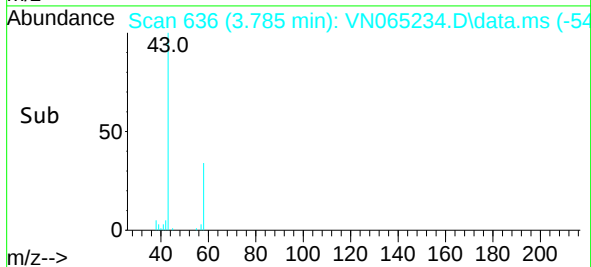
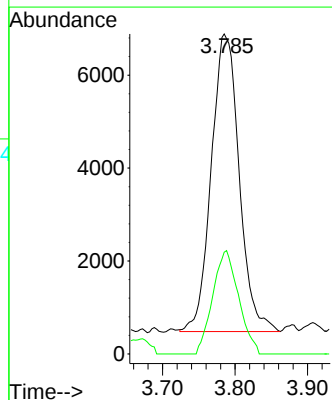
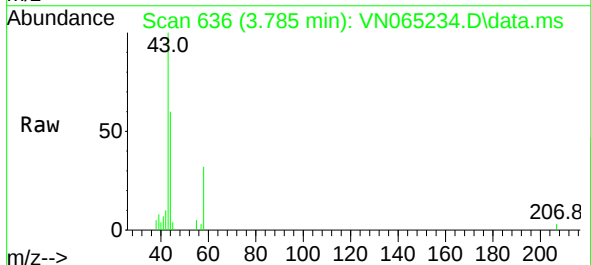
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

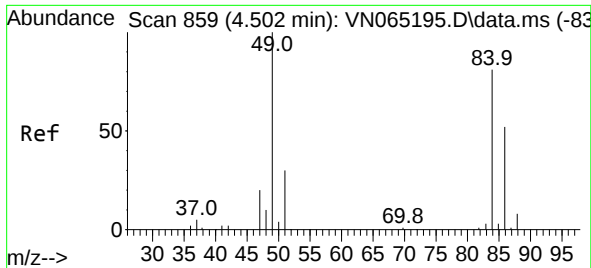
Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
55 40.2 56.5 84.7#



#16
Acetone
Concen: 4.69 ug/l
RT: 3.785 min Scan# 636
Delta R.T. -0.000 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 43 Resp: 17134
Ion Ratio Lower Upper
43 100
58 34.2 25.7 38.5



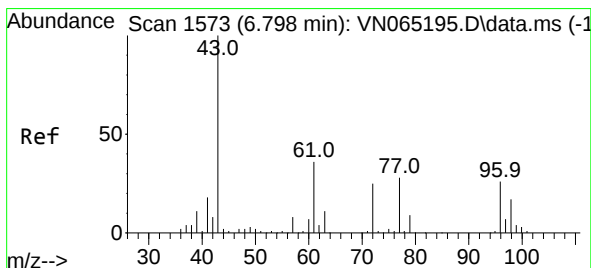
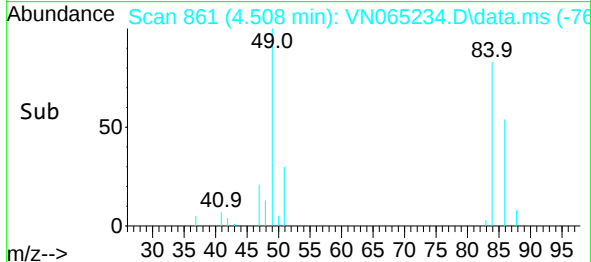
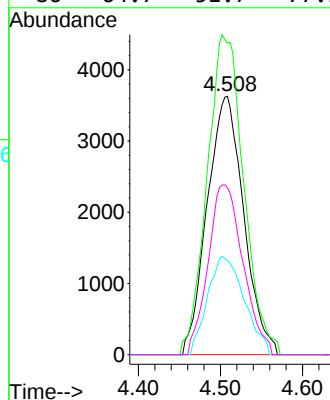
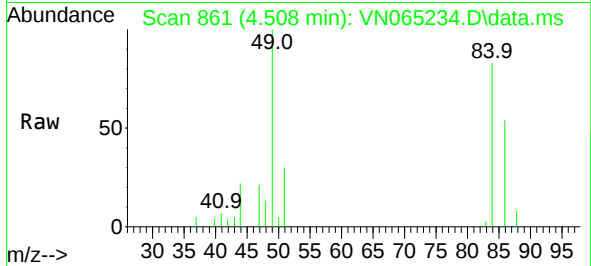


#20
Methylene Chloride
Concen: 4.30 ug/l
RT: 4.508 min Scan# 861
Delta R.T. 0.006 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

Tgt Ion: 84 Resp: 11235

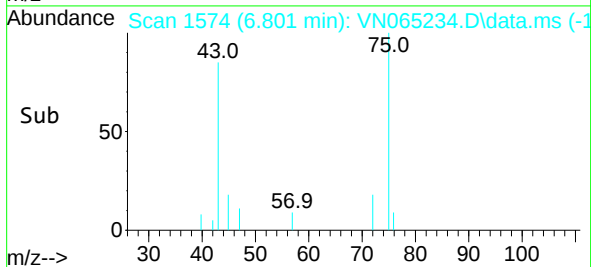
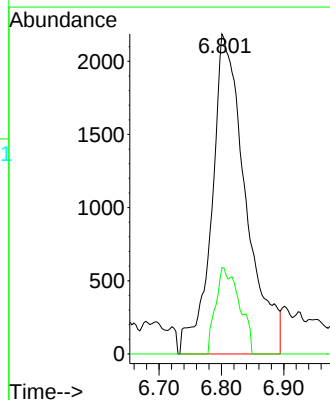
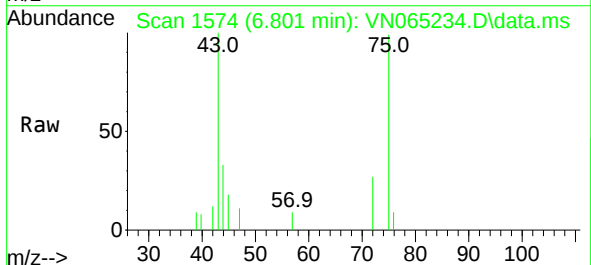
Ion	Ratio	Lower	Upper
84	100		
49	120.5	93.4	140.0
51	36.4	28.2	42.4
86	64.7	51.7	77.5

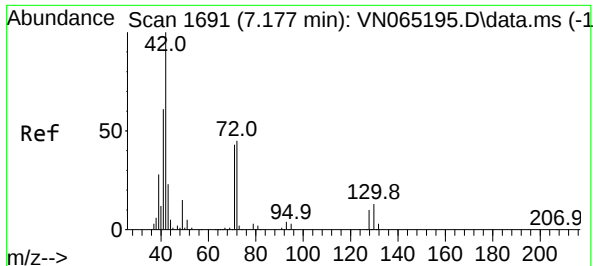


#25
2-Butanone
Concen: 5.50 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. 0.003 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 43 Resp: 8265

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 7.184 min Scan# 1693

Delta R.T. 0.007 min

Lab File: VN065234.D

Acq: 23 Dec 2020 14:49

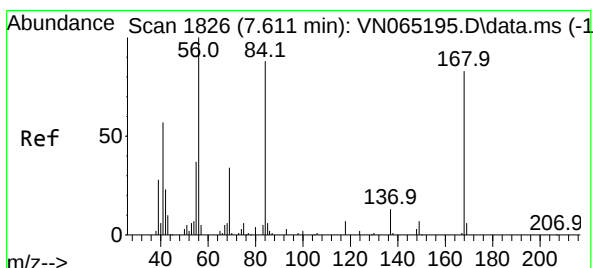
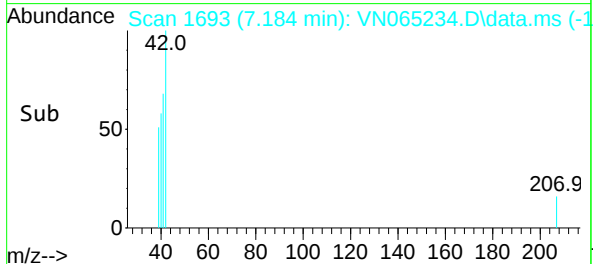
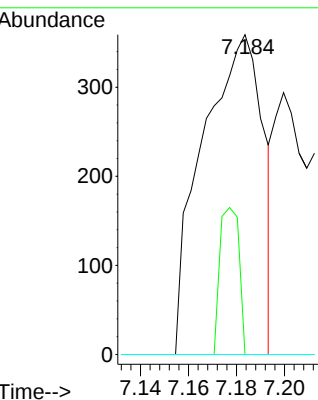
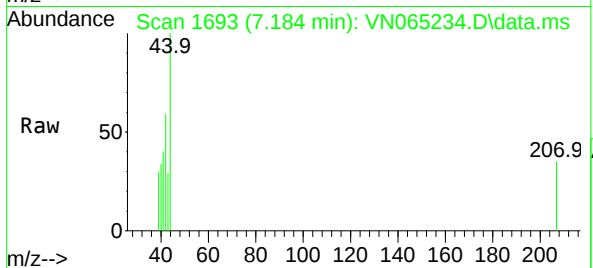
Instrument :

MSVOA_N

ClientSampleId :

PB133762ZHE#02

Tgt Ion:	42	Resp:	626
Ion	Ratio	Lower	Upper
42	100		
72	14.5	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 1.11 ug/l

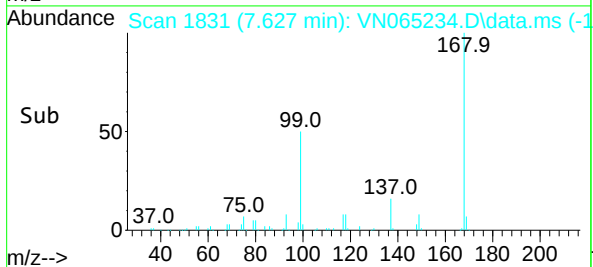
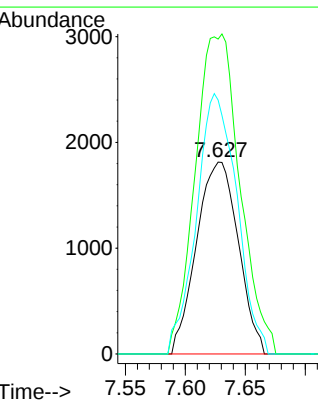
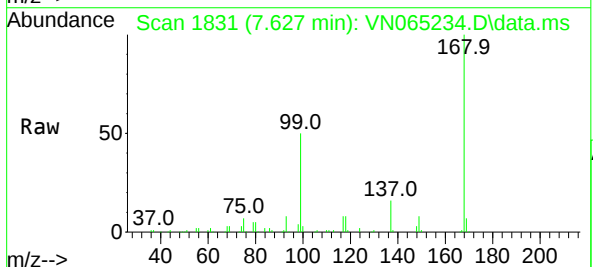
RT: 7.627 min Scan# 1831

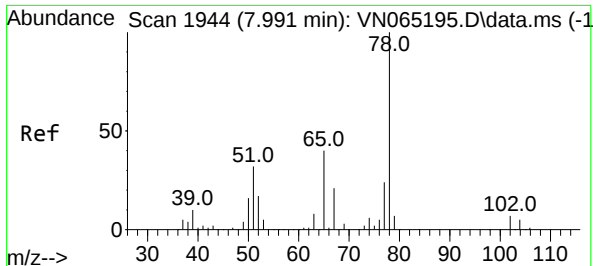
Delta R.T. 0.016 min

Lab File: VN065234.D

Acq: 23 Dec 2020 14:49

Tgt Ion:	56	Resp:	4388
Ion	Ratio	Lower	Upper
56	100		
69	164.1	27.5	41.3#
84	132.4	73.9	110.9#

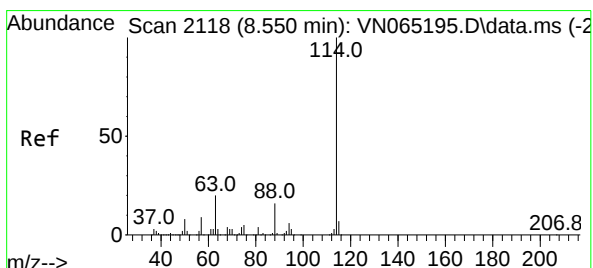
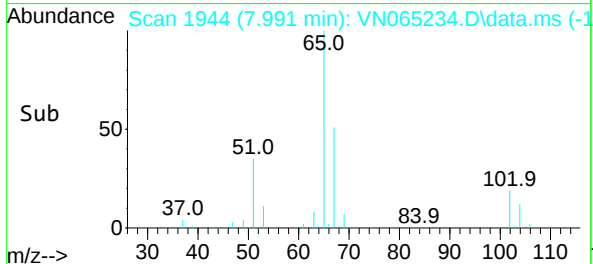
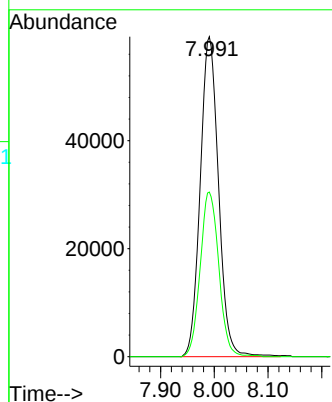
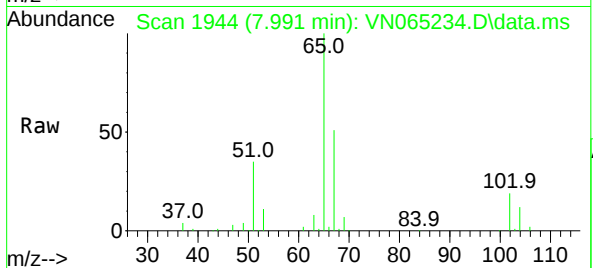




#33
1,2-Dichloroethane-d4
Concen: 52.29 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

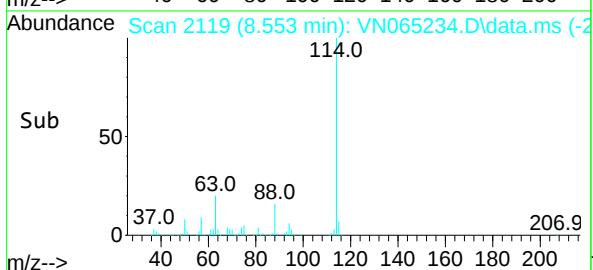
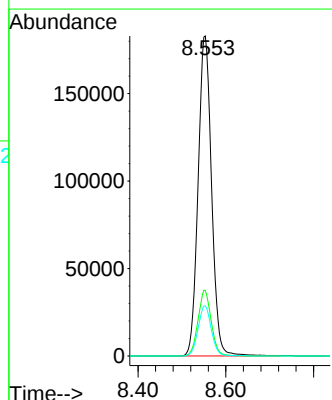
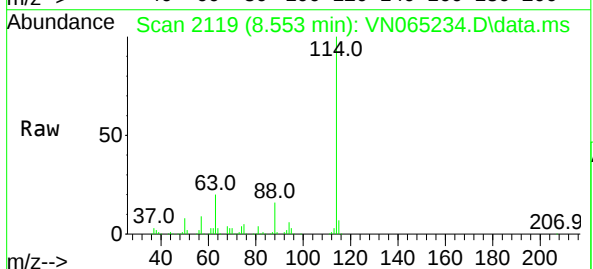
Instrument :
MSVOA_N
ClientSampleId :
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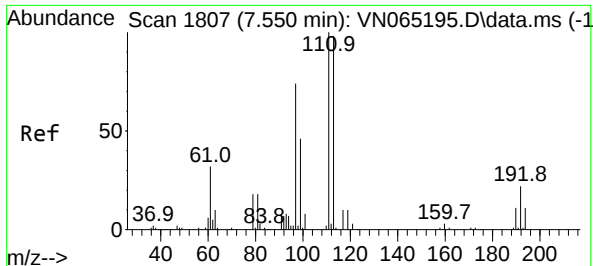
Tgt Ion: 65 Resp: 140000
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 114 Resp: 389328
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.6
88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.43 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065234.D

Acq: 23 Dec 2020 14:49

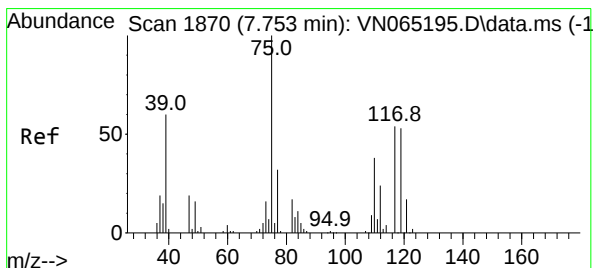
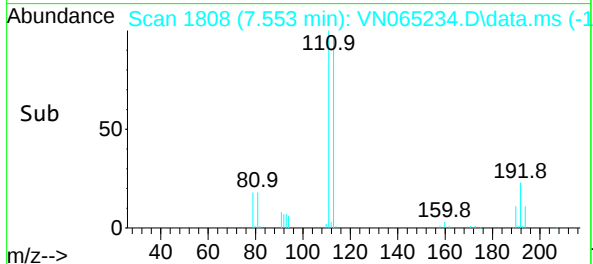
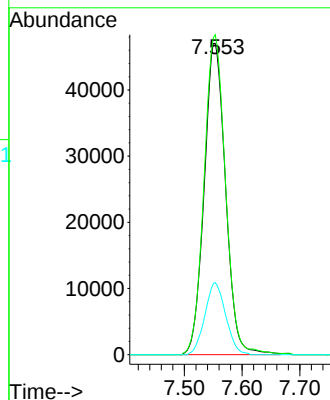
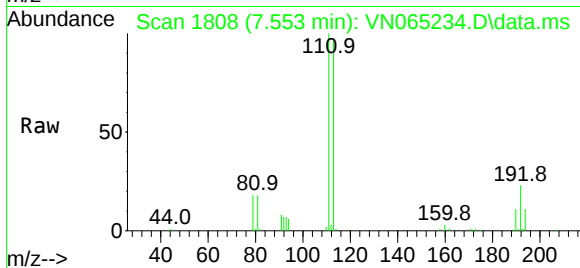
Tgt Ion: 113 Resp: 120813

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

192 22.6 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.48 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN065234.D

Acq: 23 Dec 2020 14:49

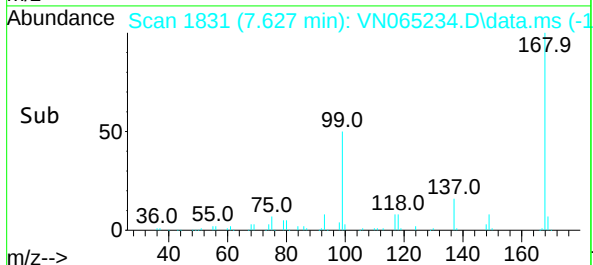
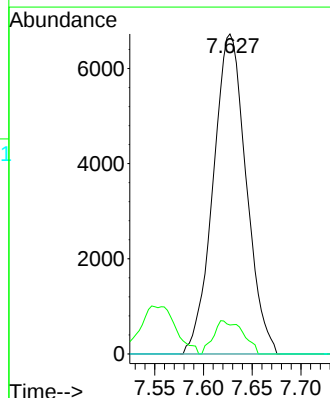
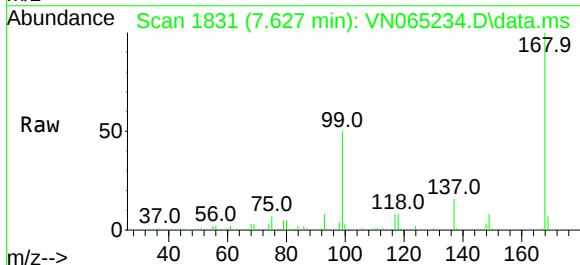
Tgt Ion: 75 Resp: 15862

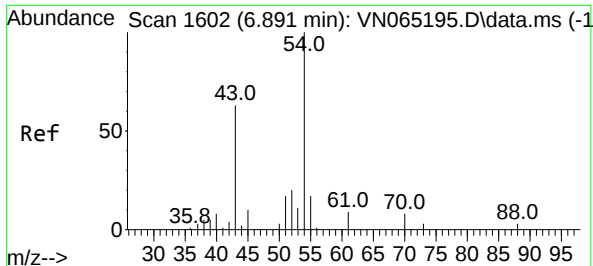
Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.36 ug/l

RT: 6.801 min Scan# 1574

Delta R.T. -0.090 min

Lab File: VN065234.D

Acq: 23 Dec 2020 14:49

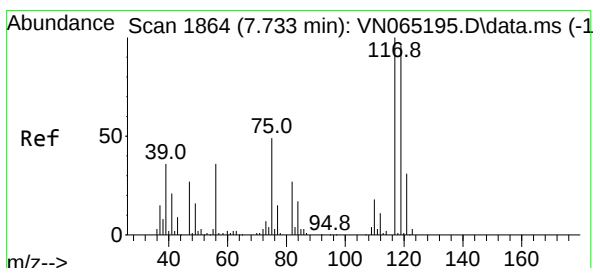
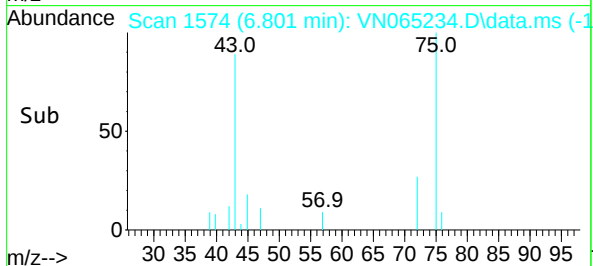
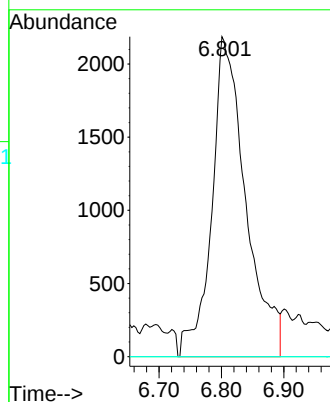
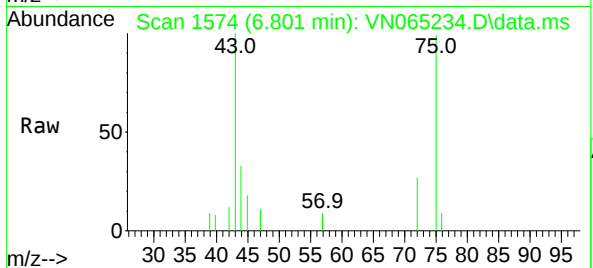
Instrument :

MSVOA_N

ClientSampleId :

PB133762ZHE#02

Tgt Ion:	43	Resp:	8265
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.42 ug/l

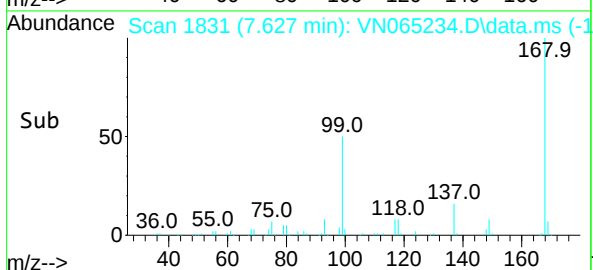
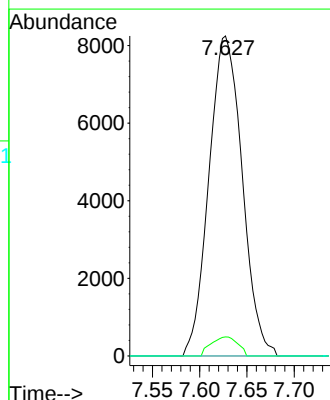
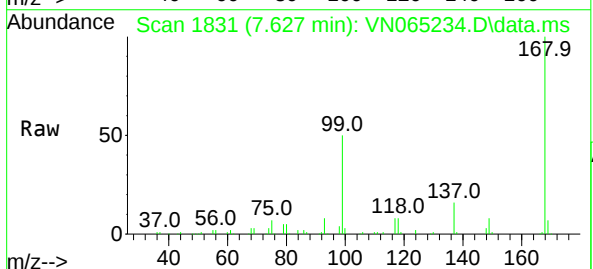
RT: 7.627 min Scan# 1831

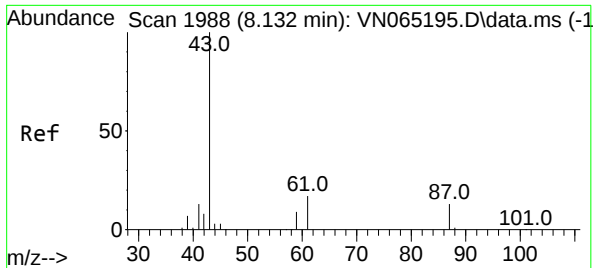
Delta R.T. -0.106 min

Lab File: VN065234.D

Acq: 23 Dec 2020 14:49

Tgt Ion:	117	Resp:	20149
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.7	115.1#
121	0.0	25.4	38.2#

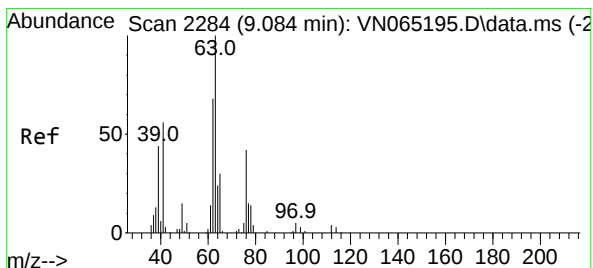
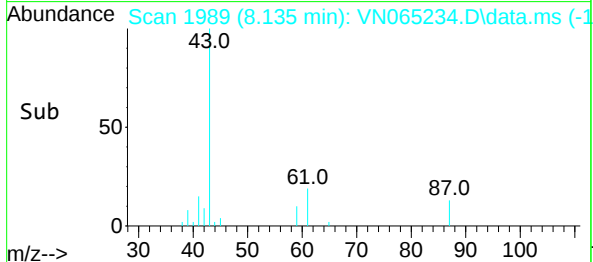
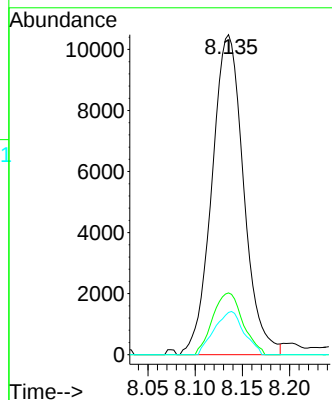
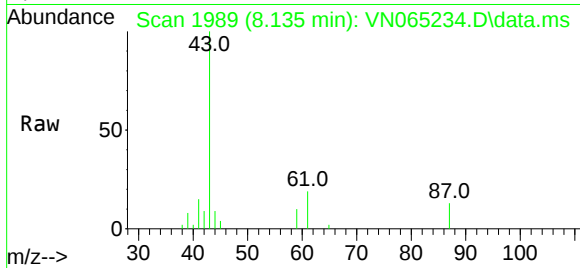




#43
Isopropyl Acetate
Concen: 4.04 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

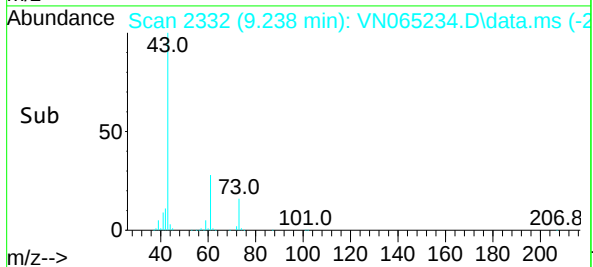
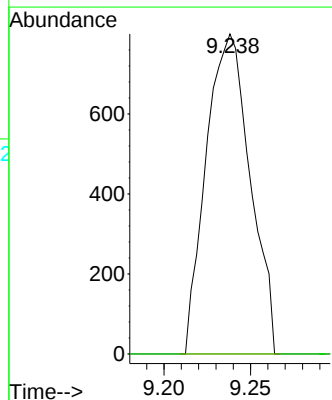
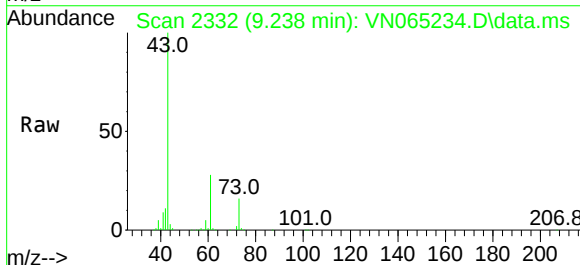
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

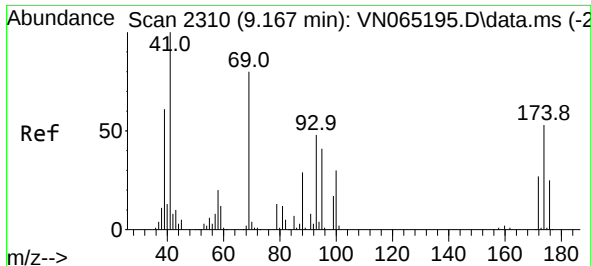
Tgt Ion:	43	Resp:	24461
Ion	Ratio	Lower	Upper
43	100		
61	18.3	17.2	25.8
87	12.5	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.52 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion:	63	Resp:	1417
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

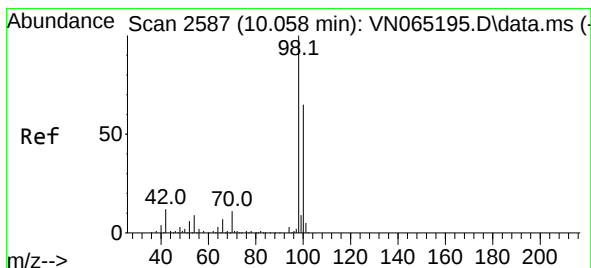
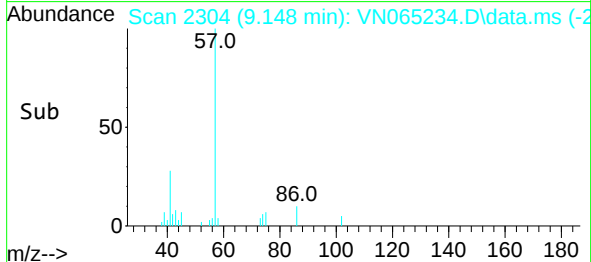
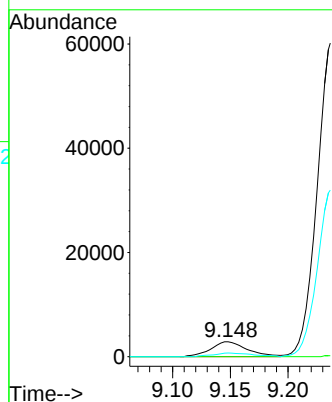
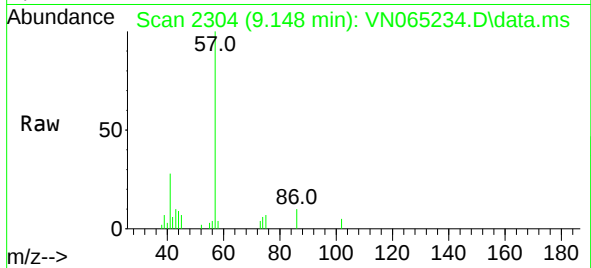




#48
Methyl methacrylate
Concen: 2.13 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

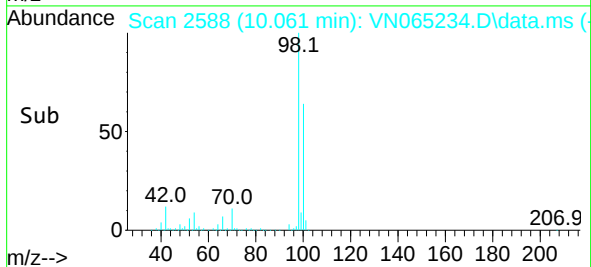
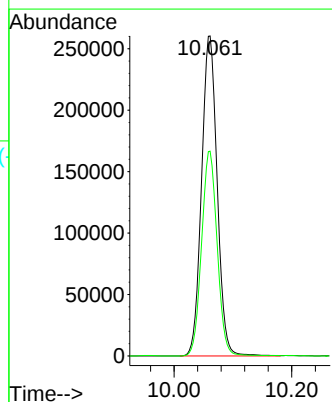
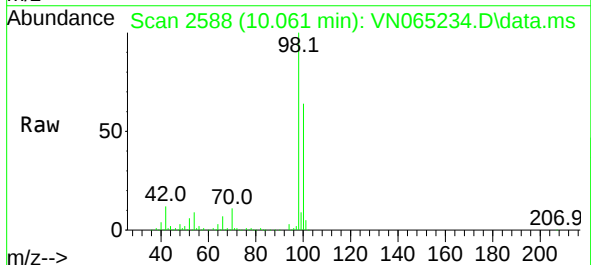
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

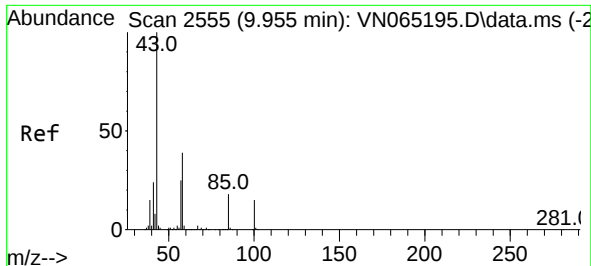
Tgt Ion: 41 Resp: 6253
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 54.55 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 98 Resp: 480220
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

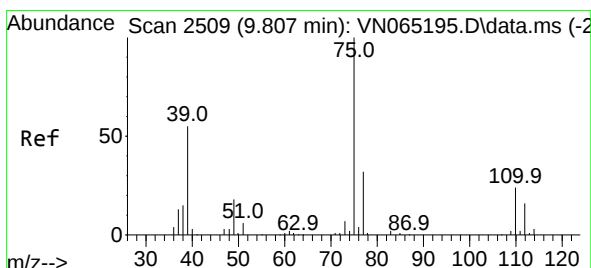
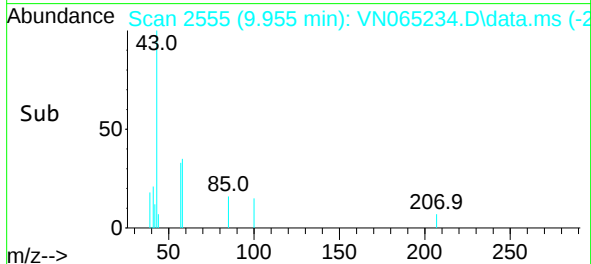
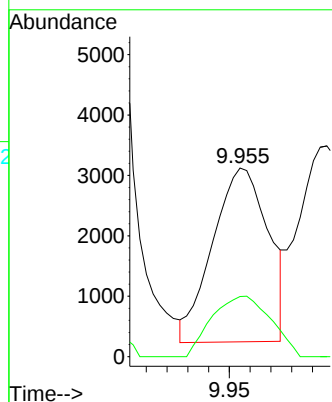
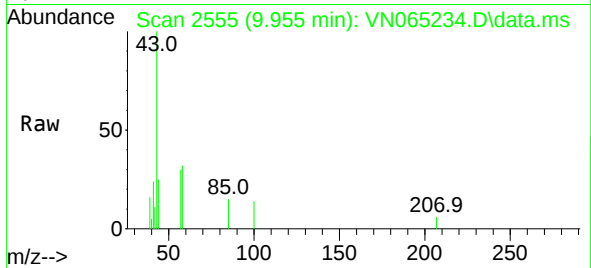




#51
4-Methyl-2-Pentanone
Concen: 1.57 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

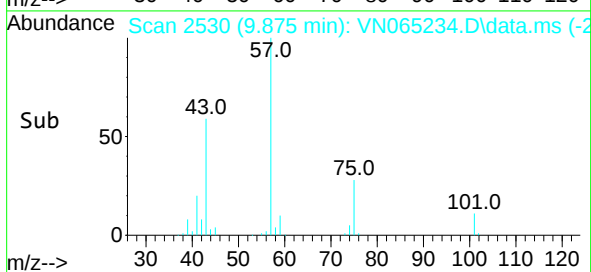
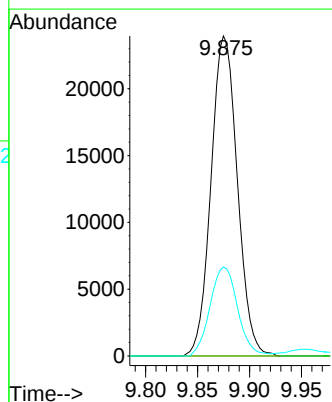
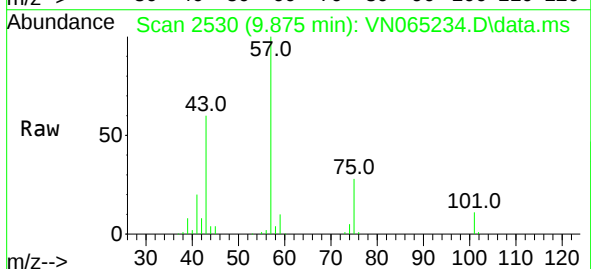
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

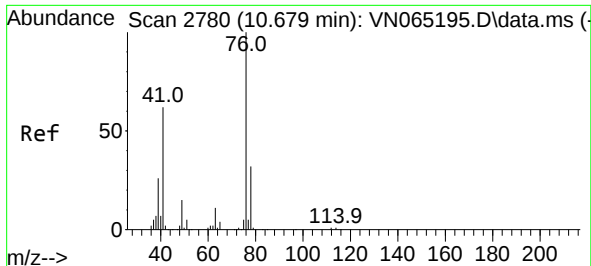
Tgt Ion: 43 Resp: 5347
Ion Ratio Lower Upper
43 100
58 37.0 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.99 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 75 Resp: 42201
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 27.8 35.6 53.4#

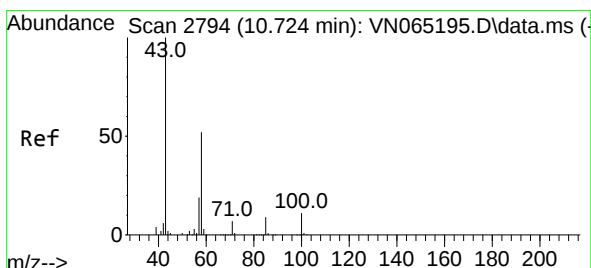
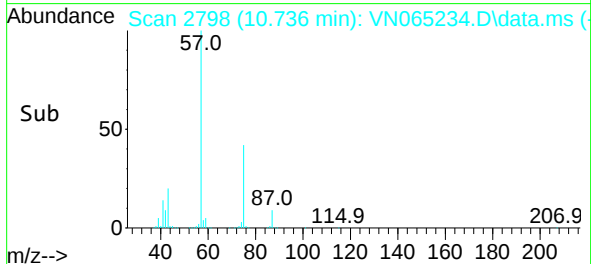
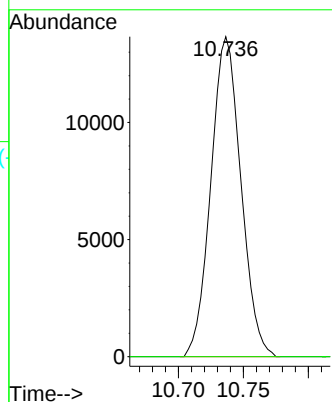
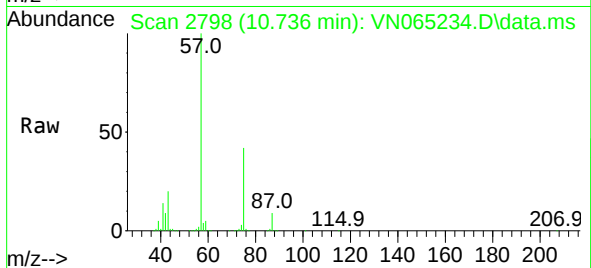




#57
1,3-Dichloropropane
Concen: 5.06 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

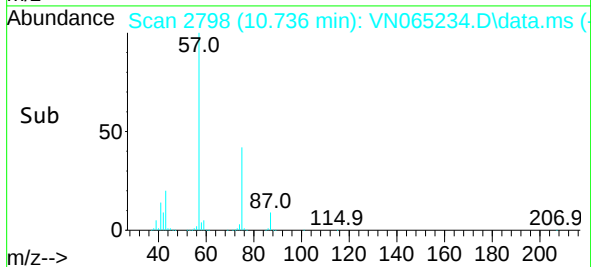
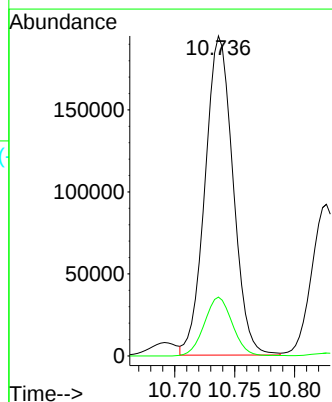
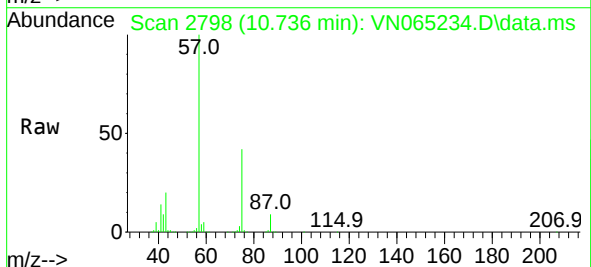
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

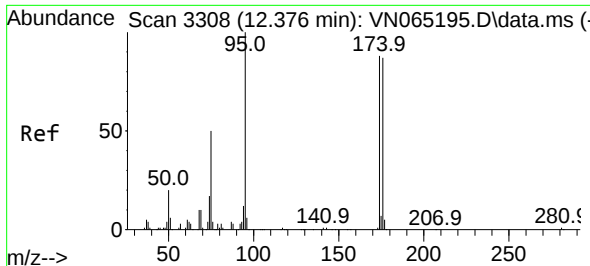
Tgt Ion: 76 Resp: 21947
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 126.27 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 43 Resp: 315622
Ion Ratio Lower Upper
43 100
58 18.6 28.3 84.9#

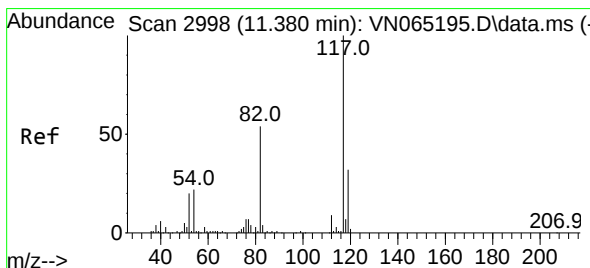
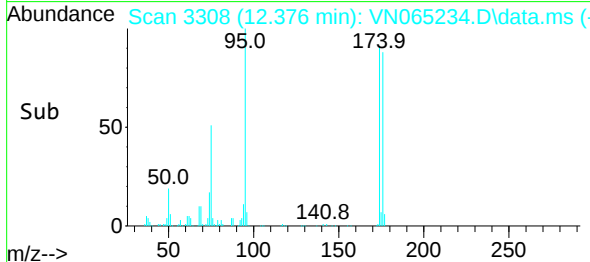
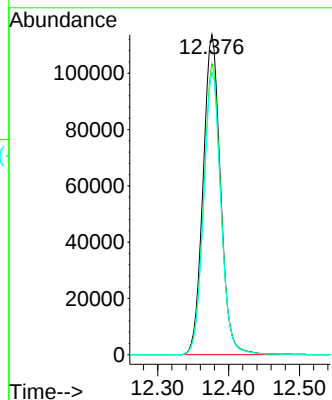
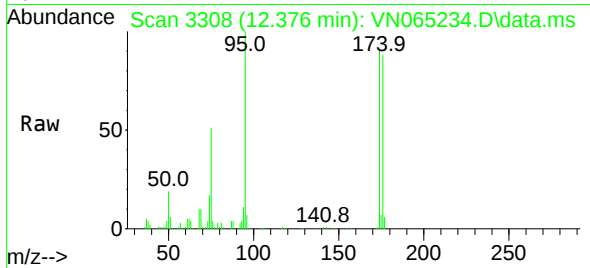




#62
4-Bromofluorobenzene
Concen: 55.20 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

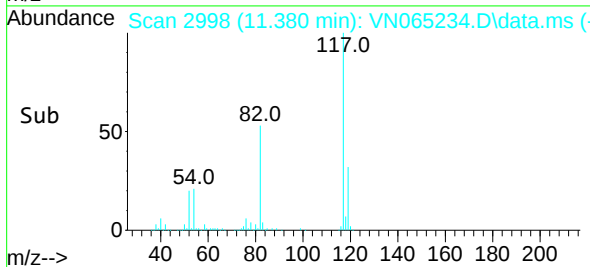
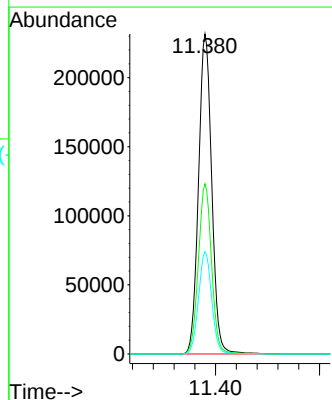
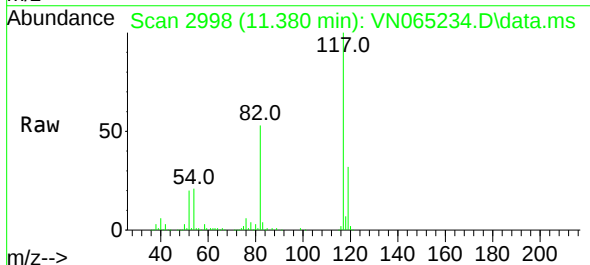
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

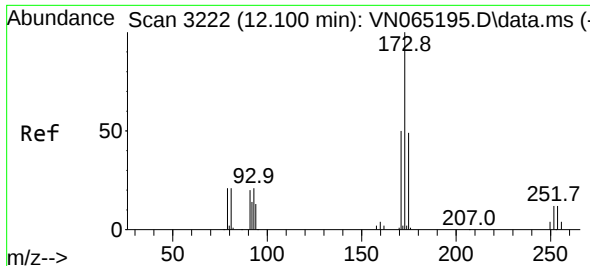
Tgt Ion: 95 Resp: 194262
Ion Ratio Lower Upper
95 100
174 90.6 0.0 160.4
176 87.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

Tgt Ion: 117 Resp: 407704
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 31.9 25.8 38.6

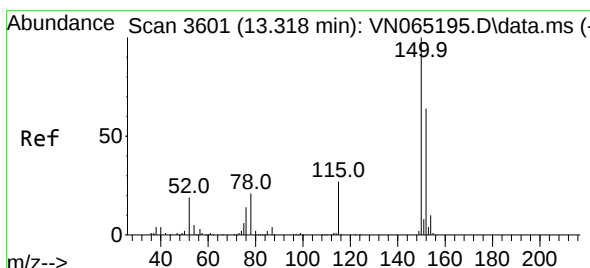
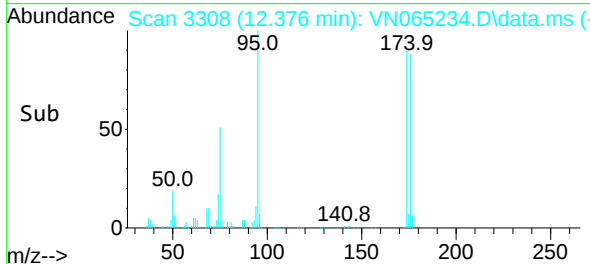
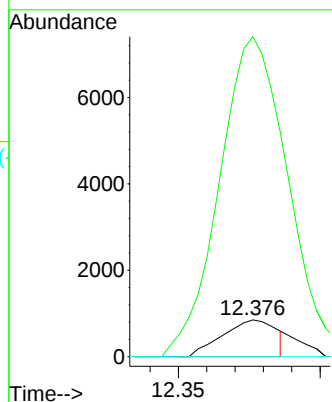
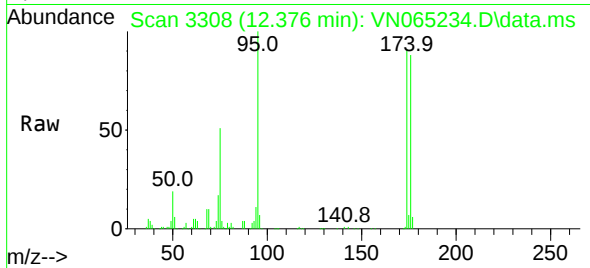




#71
Bromoform
Concen: 0.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

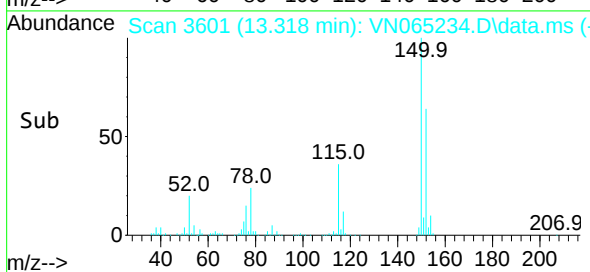
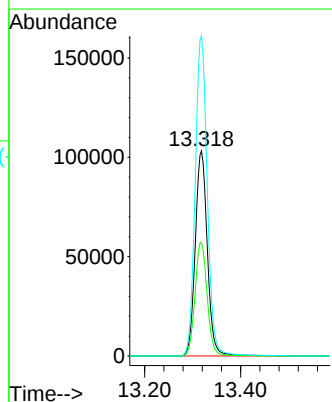
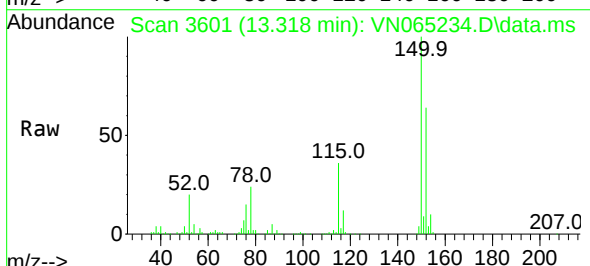
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02

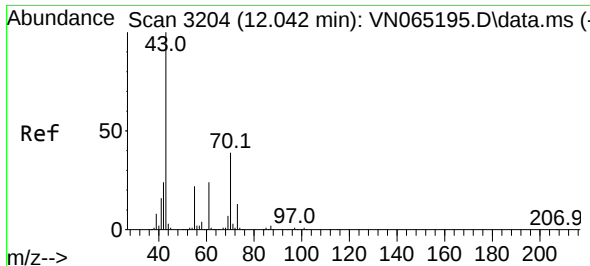
Tgt Ion:173 Resp: 1119
Ion Ratio Lower Upper
173 100
175 918.2 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

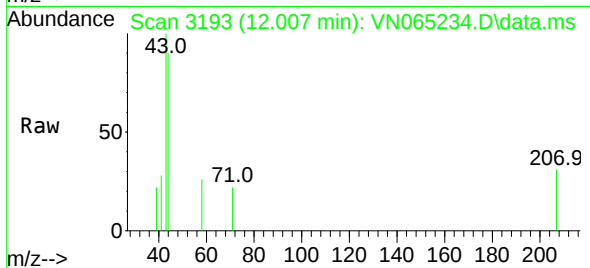
Tgt Ion:152 Resp: 180158
Ion Ratio Lower Upper
152 100
115 55.7 29.7 89.1
150 155.5 0.0 350.6



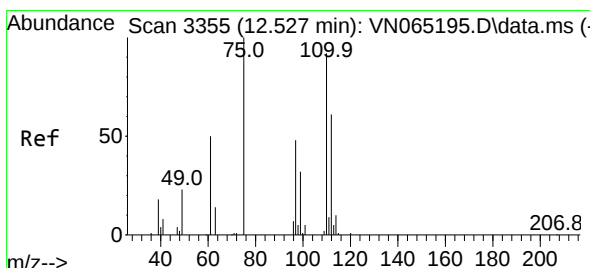
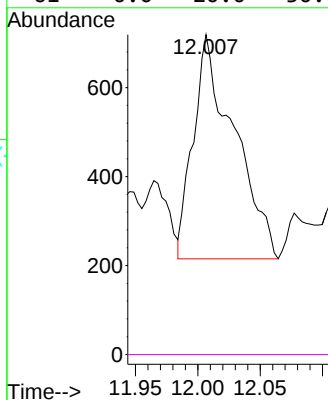
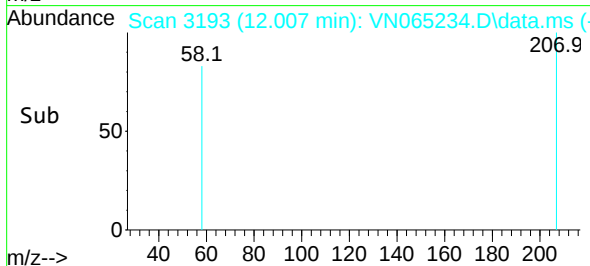


#74
N-amy1 acetate
Concen: 0.21 ug/l
RT: 12.007 min Scan# 3193
Delta R.T. -0.035 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49

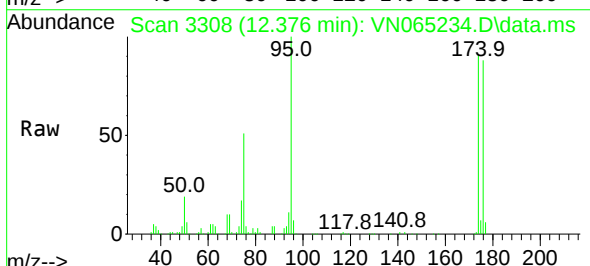
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#02



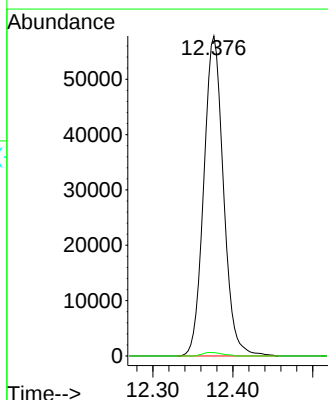
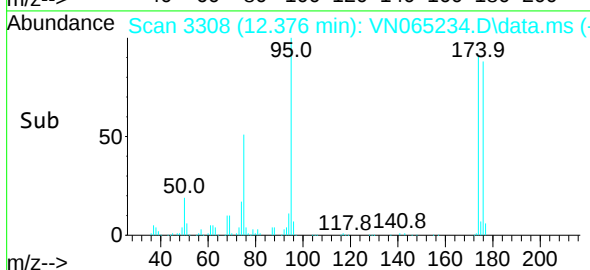
Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 0.0 20.4 30.6#
61 0.0 20.0 30.0#

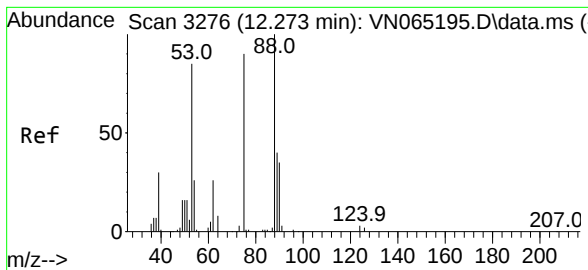


#76
1,2,3-Trichloropropane
Concen: 26.95 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065234.D
Acq: 23 Dec 2020 14:49



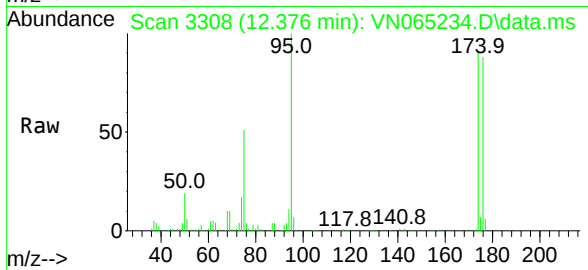
Tgt Ion: 75 Resp: 99054
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.96 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065234.D
 Acq: 23 Dec 2020 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133762ZHE#02



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

