

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
 Data File : VN066638.D
 Acq On : 16 Apr 2021 20:05
 Operator : JC/MD
 Sample : PB135768ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#08

Quant Time: Apr 17 05:20:02 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)

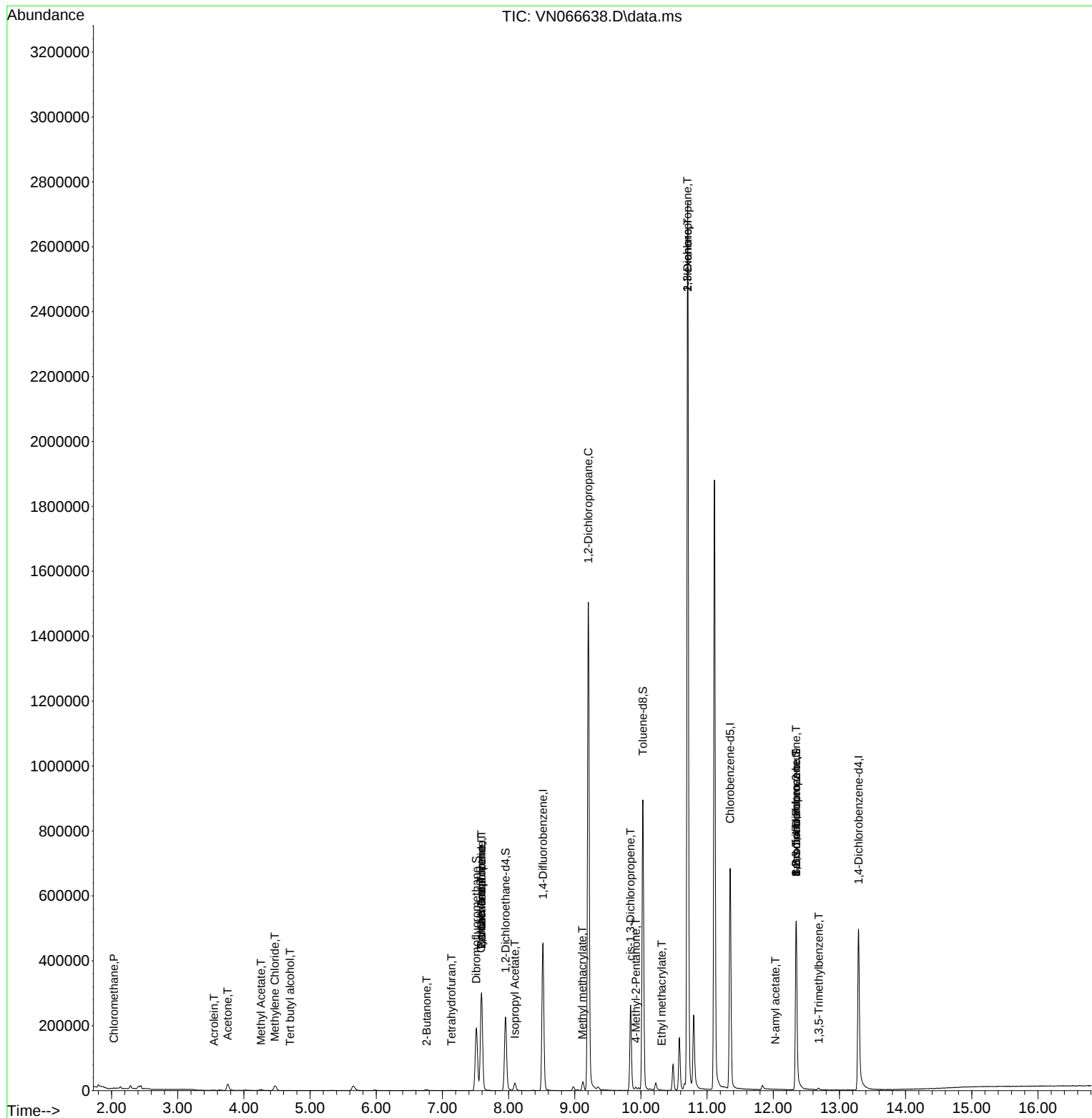
Internal Standards						
1) Pentafluorobenzene	7.591	168	255248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	403842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	397167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	163475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	193387	50.22	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.44%			
35) Dibromofluoromethane	7.513	113	149894	53.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.04%			
50) Toluene-d8	10.029	98	607834	55.38	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.76%			
62) 4-Bromofluorobenzene	12.346	95	199695	51.74	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.48%			
Target Compounds					Qvalue	
3) Chloromethane	2.037	50	1197	0.26	ug/l	96
11) Tert butyl alcohol	4.700	59	181	0.29	ug/l #	73
13) Acrolein	3.549	56	679	2.06	ug/l	98
16) Acetone	3.753	43	34021	16.79	ug/l	99
18) Methyl Acetate	4.260	43	5447	1.31	ug/l #	80
20) Methylene Chloride	4.467	84	11073	3.04	ug/l	97
25) 2-Butanone	6.762	43	5511	2.43	ug/l #	82
29) Tetrahydrofuran	7.138	42	595	0.39	ug/l #	32
31) Cyclohexane	7.586	56	5544	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	19377	4.76	ug/l #	47
38) Carbon Tetrachloride	7.591	117	22592	5.92	ug/l #	17
43) Isopropyl Acetate	8.095	43	28791	3.73	ug/l #	85
45) 1,2-Dichloropropane	9.203	63	1802	0.50	ug/l #	44
48) Methyl methacrylate	9.114	41	7324	2.11	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	7015	1.55	ug/l	90
54) cis-1,3-Dichloropropene	9.844	75	47235	8.88	ug/l #	64
56) Ethyl methacrylate	10.313	69	85	0.91	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	27378	5.15	ug/l #	43
59) 2-Hexanone	10.708	43	404662	127.62	ug/l #	49
71) Bromoform	12.346	173	1436	0.61	ug/l #	1
74) N-amyl acetate	12.030	43	274	9.78	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	101322	26.50	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.689	105	3586	0.34	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.346	75	101322	81.72	ug/l #	12

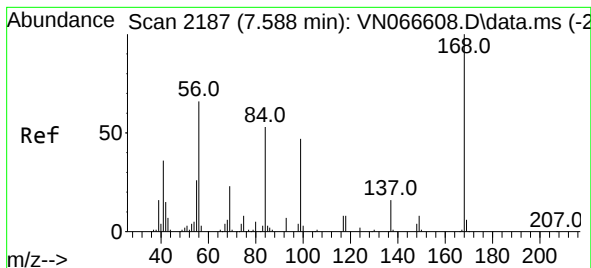
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 17 05:20:02 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.591 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VN066638.D

Acq: 16 Apr 2021 20:05

Instrument :

MSVOA_N

ClientSampleId :

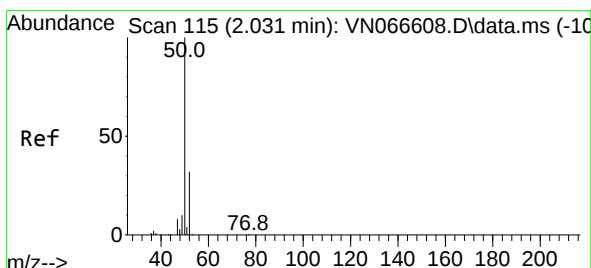
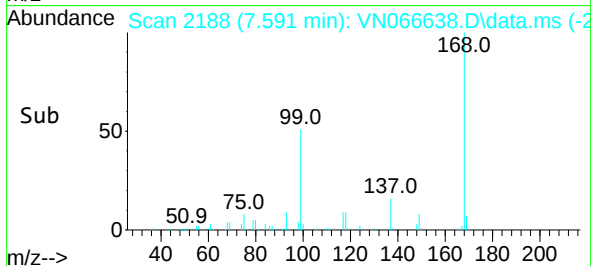
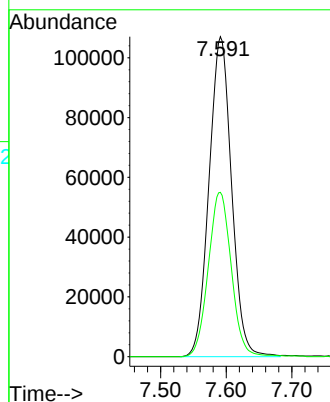
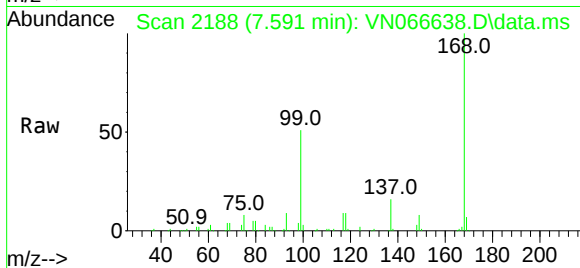
PB135768ZHE#08

Tgt Ion:168 Resp: 255248

Ion Ratio Lower Upper

168 100

99 51.4 42.6 63.8



#3

Chloromethane

Concen: 0.26 ug/l

RT: 2.037 min Scan# 117

Delta R.T. 0.006 min

Lab File: VN066638.D

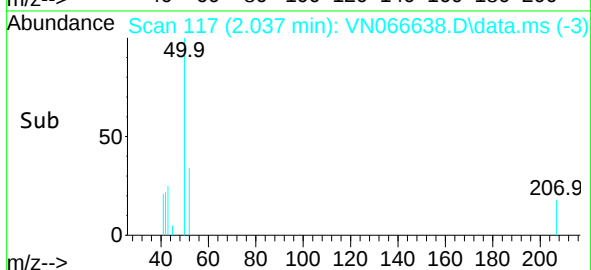
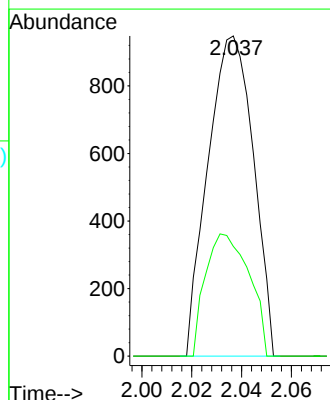
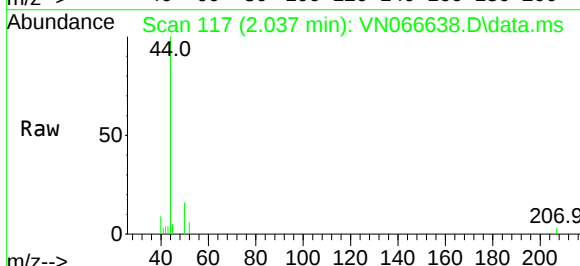
Acq: 16 Apr 2021 20:05

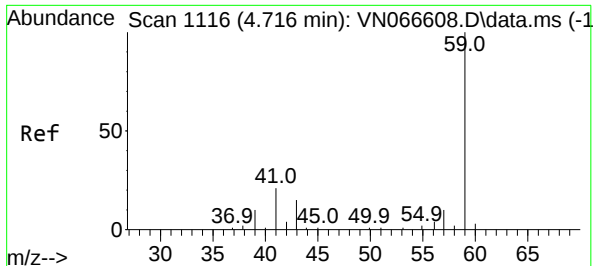
Tgt Ion: 50 Resp: 1197

Ion Ratio Lower Upper

50 100

52 34.3 25.8 38.8



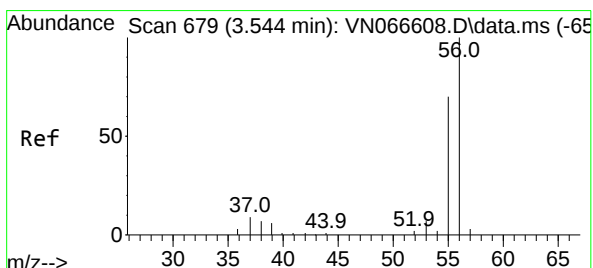
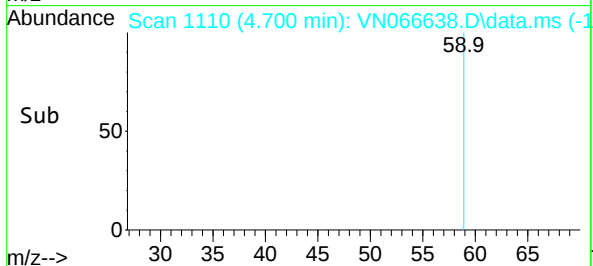
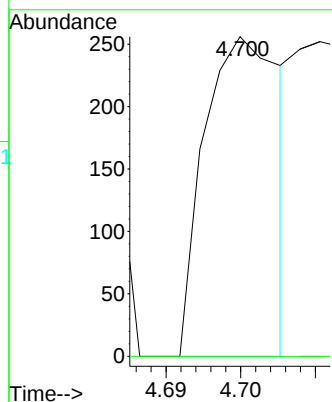
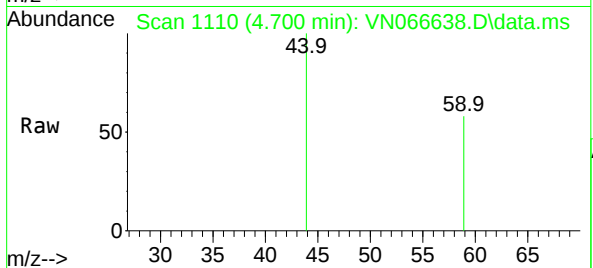


#11

Tert butyl alcohol
Concen: 0.29 ug/l
RT: 4.700 min Scan# 1110
Delta R.T. -0.016 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

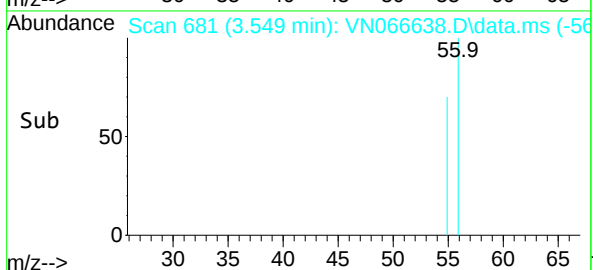
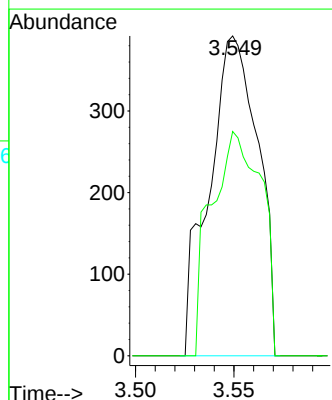
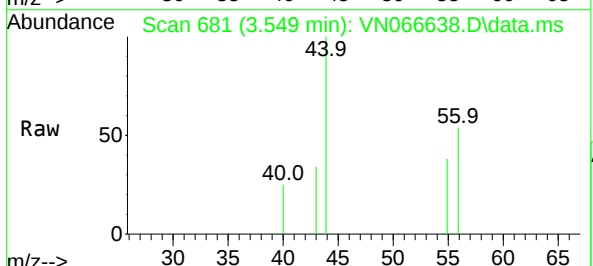
Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

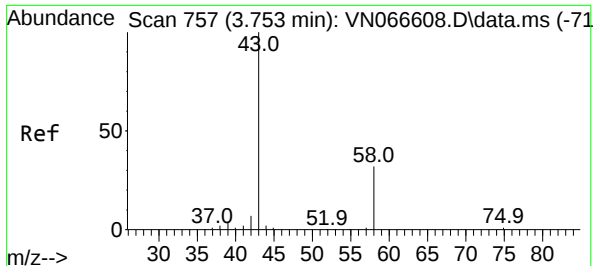


#13

Acrolein
Concen: 2.06 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.005 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

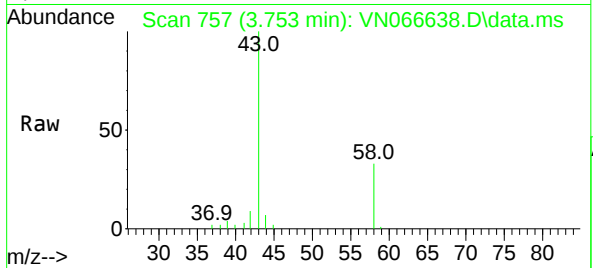
Tgt Ion: 56 Resp: 679
Ion Ratio Lower Upper
56 100
55 72.0 56.0 84.0



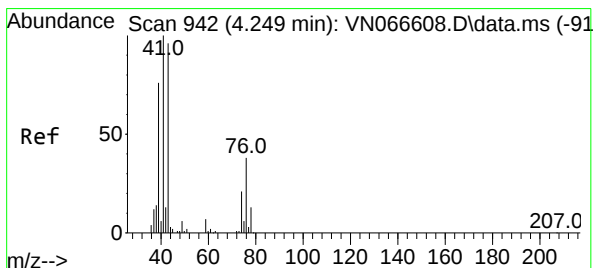
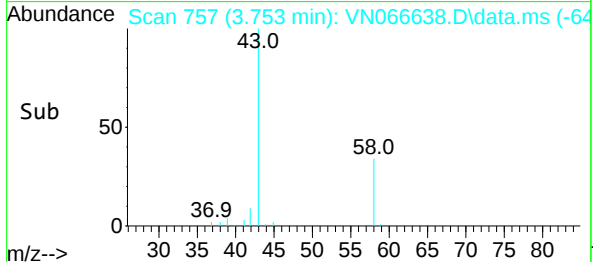
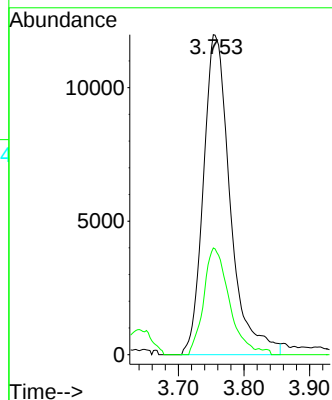


#16
Acetone
Concen: 16.79 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.000 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

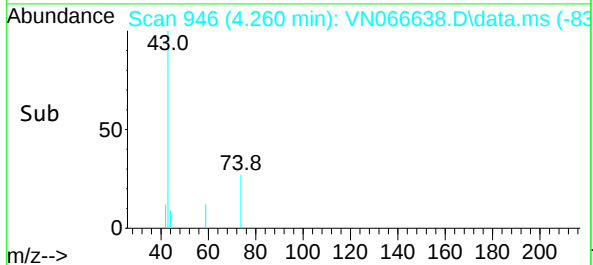
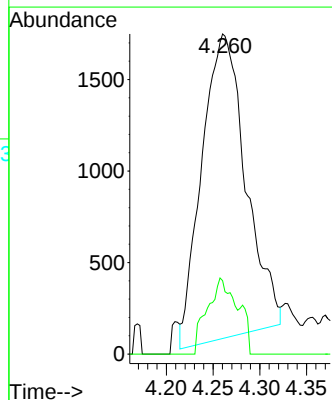
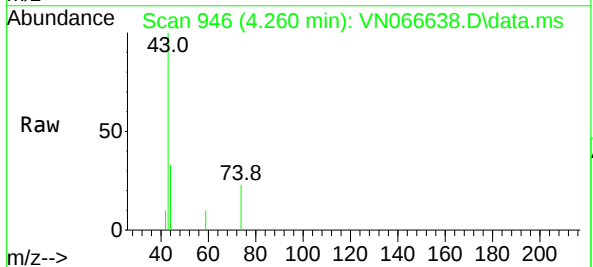


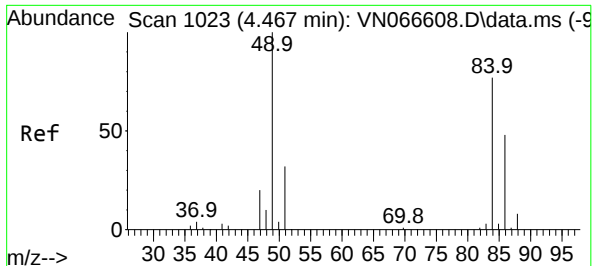
Tgt Ion: 43 Resp: 34021
Ion Ratio Lower Upper
43 100
58 33.3 27.0 40.6



#18
Methyl Acetate
Concen: 1.31 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
74 14.5 19.5 29.3#





#20

Methylene Chloride

Concen: 3.04 ug/l

RT: 4.467 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN066638.D

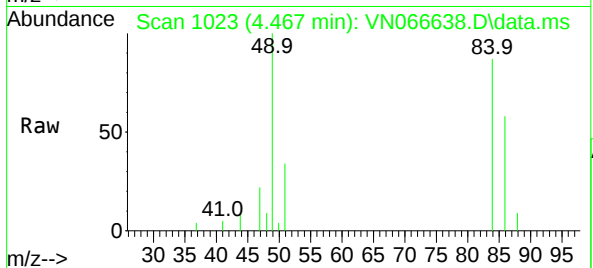
Acq: 16 Apr 2021 20:05

Instrument :

MSVOA_N

ClientSampleId :

PB135768ZHE#08



Tgt Ion: 84 Resp: 11073

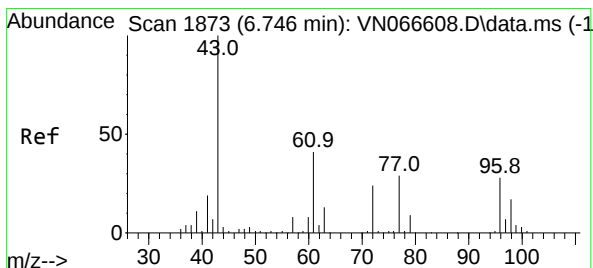
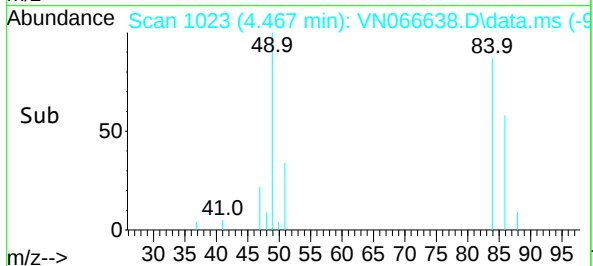
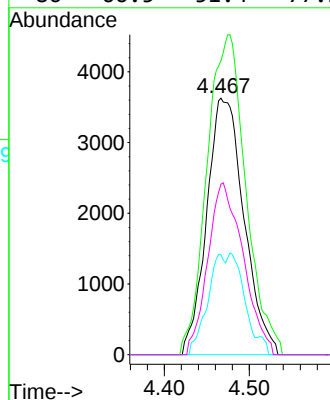
Ion Ratio Lower Upper

84 100

49 114.7 94.6 141.8

51 38.9 29.9 44.9

86 66.5 51.4 77.2



#25

2-Butanone

Concen: 2.43 ug/l

RT: 6.762 min Scan# 1879

Delta R.T. 0.016 min

Lab File: VN066638.D

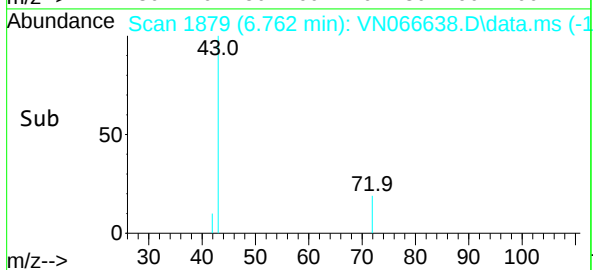
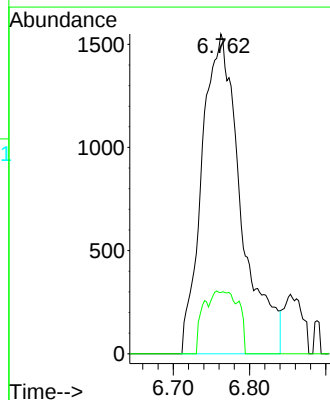
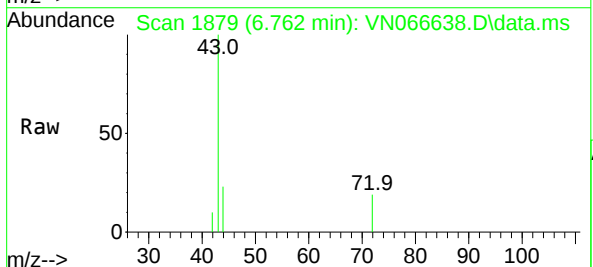
Acq: 16 Apr 2021 20:05

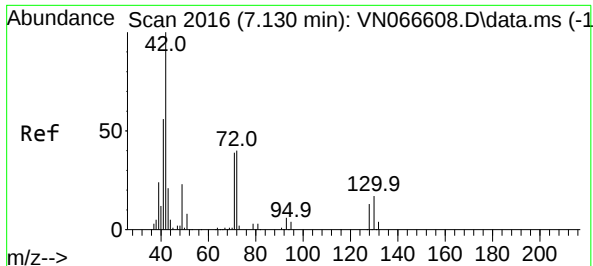
Tgt Ion: 43 Resp: 5511

Ion Ratio Lower Upper

43 100

72 19.2 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 7.138 min Scan# 2019

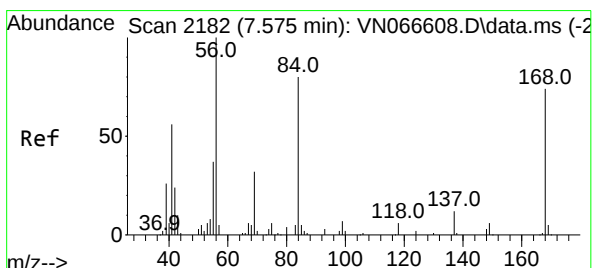
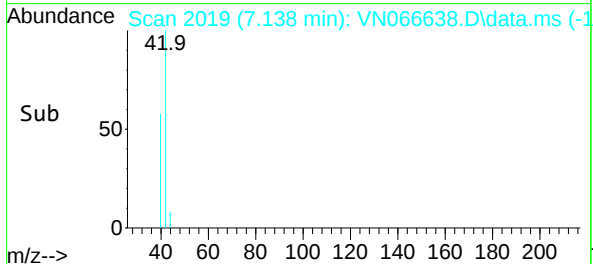
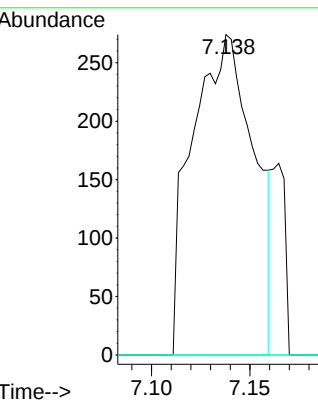
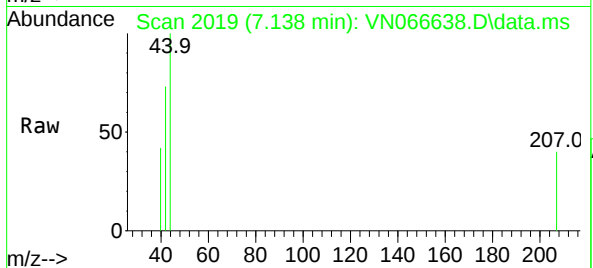
Delta R.T. 0.008 min

Lab File: VN066638.D

Acq: 16 Apr 2021 20:05

Tgt Ion:	42	Resp:	595
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08



#31

Cyclohexane

Concen: 1.00 ug/l

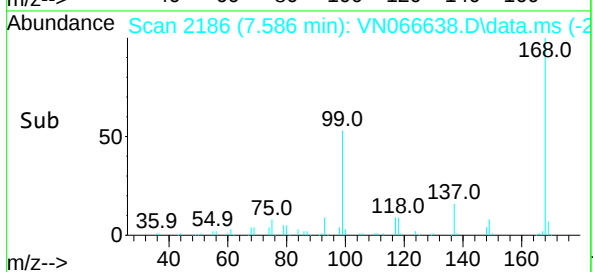
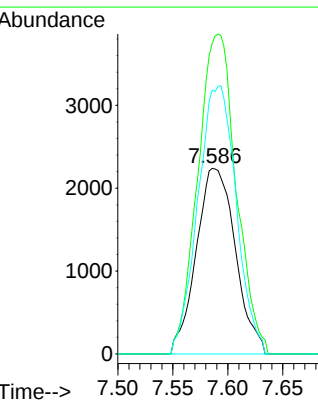
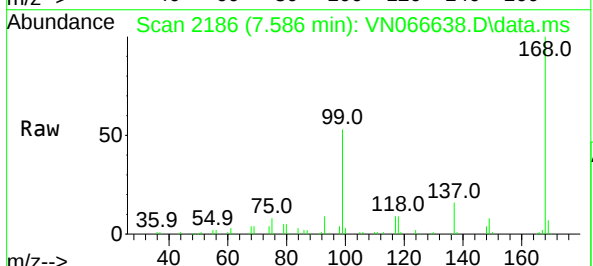
RT: 7.586 min Scan# 2186

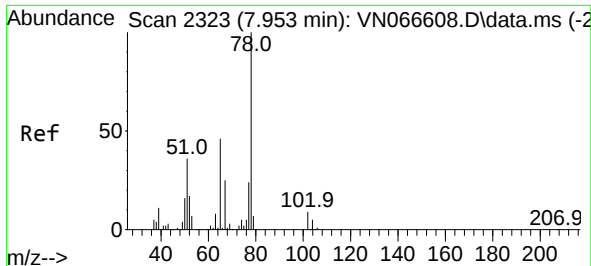
Delta R.T. 0.011 min

Lab File: VN066638.D

Acq: 16 Apr 2021 20:05

Tgt Ion:	56	Resp:	5544
Ion	Ratio	Lower	Upper
56	100		
69	167.3	26.6	39.8#
84	142.1	70.4	105.6#

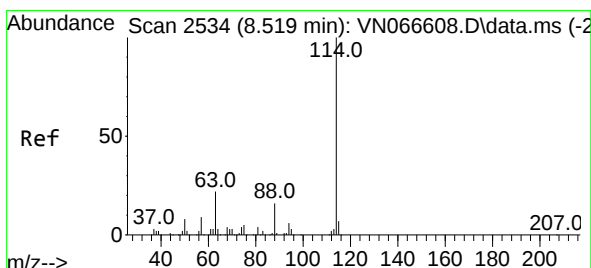
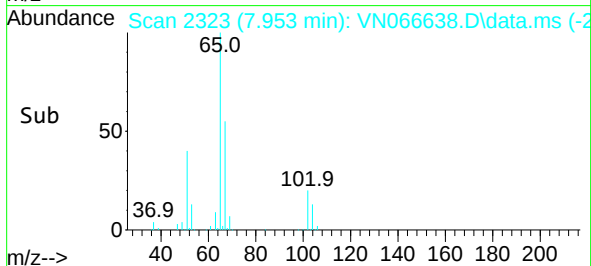
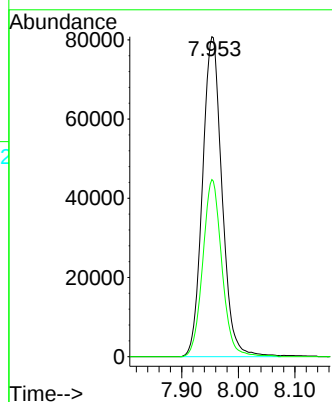
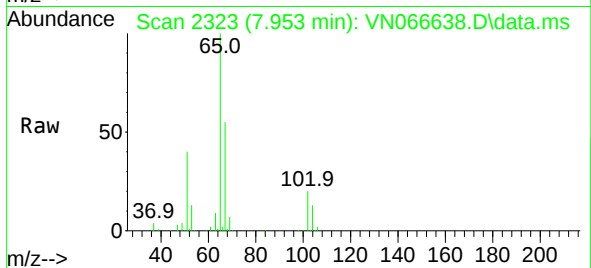




#33
1,2-Dichloroethane-d4
Concen: 50.22 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

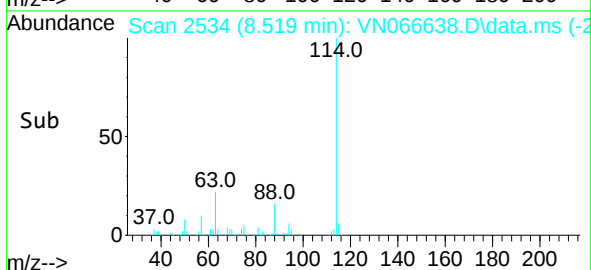
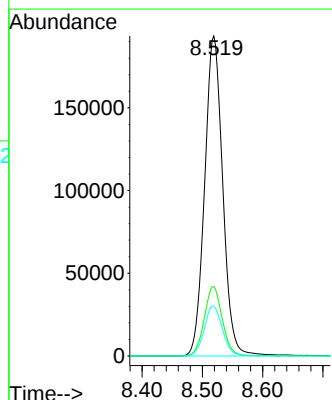
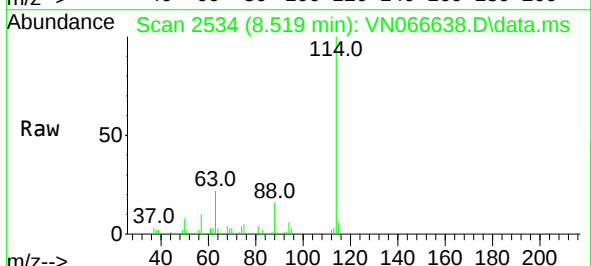
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

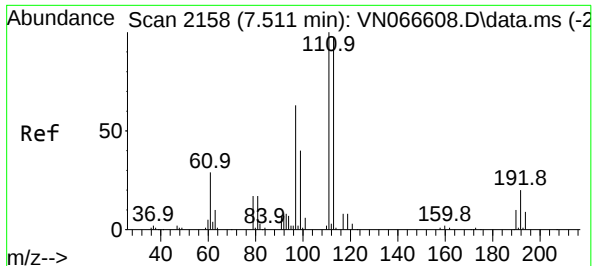
Tgt Ion: 65 Resp: 193387
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 114 Resp: 403842
Ion Ratio Lower Upper
114 100
63 21.7 0.0 38.6
88 15.5 0.0 30.6

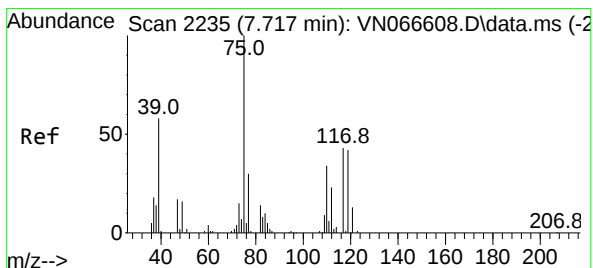
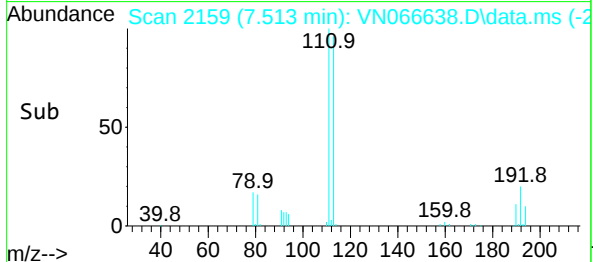
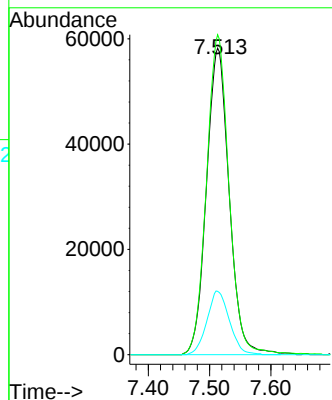
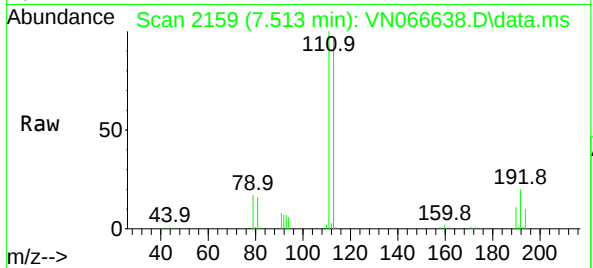




#35
Dibromofluoromethane
Concen: 53.52 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

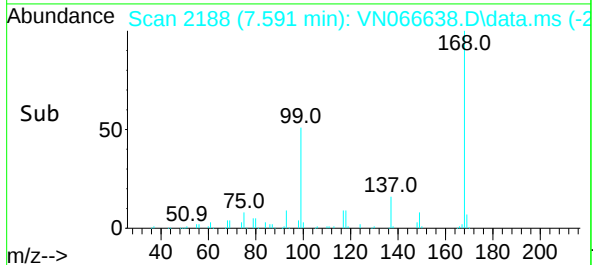
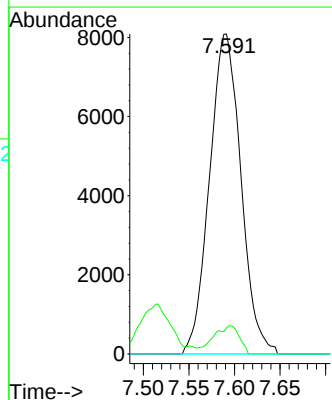
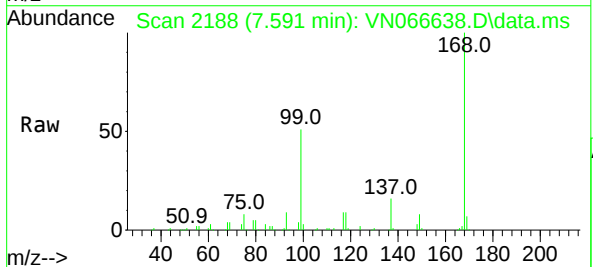
Instrument :
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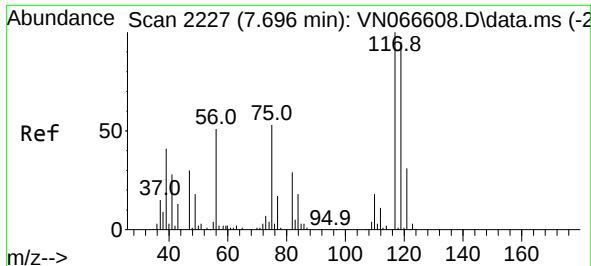
Tgt Ion:	113	Resp:	149894
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	20.5	15.4	23.0



#36
1,1-Dichloropropene
Concen: 4.76 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

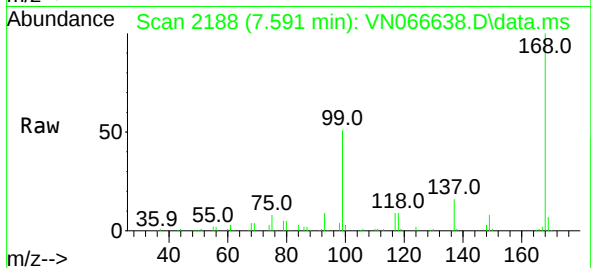
Tgt Ion:	75	Resp:	19377
Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.2	54.6#
77	0.0	24.9	37.3#



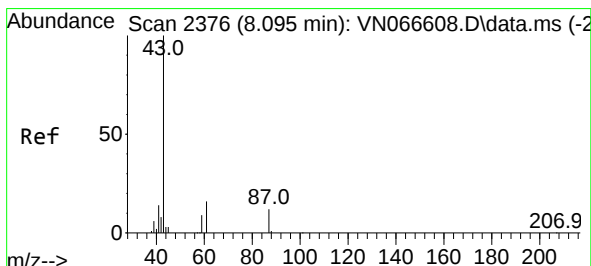
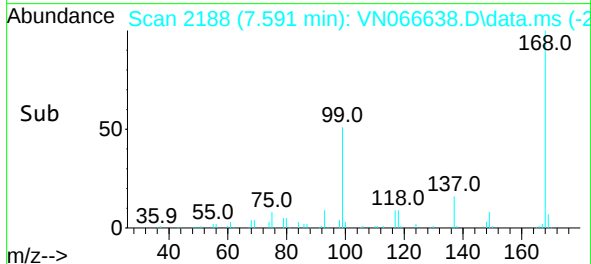
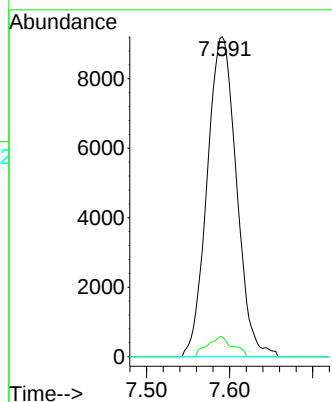


#38
Carbon Tetrachloride
Concen: 5.92 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.105 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

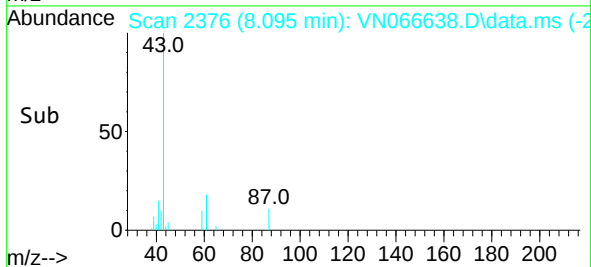
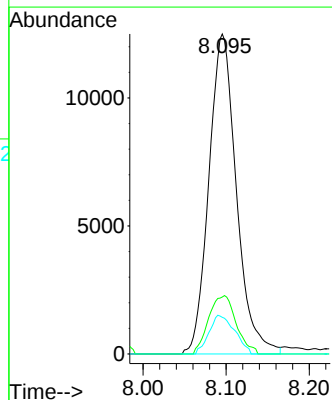
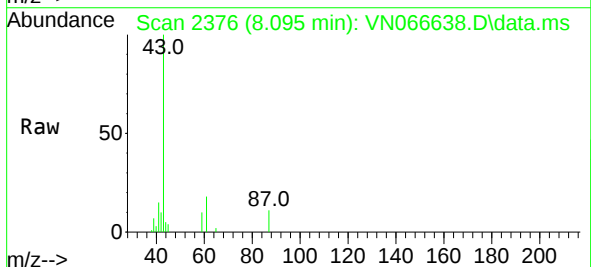


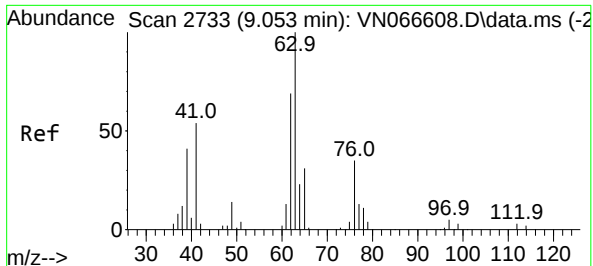
Tgt Ion: 117 Resp: 22592
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.73 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 43 Resp: 28791
Ion Ratio Lower Upper
43 100
61 18.3 22.5 33.7#
87 11.2 11.1 16.7



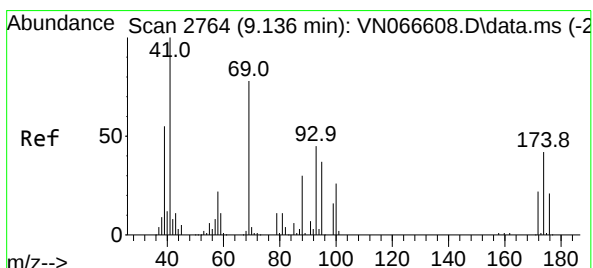
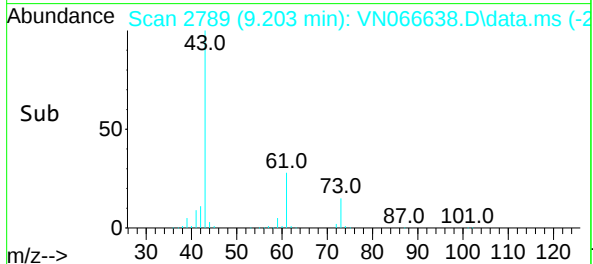
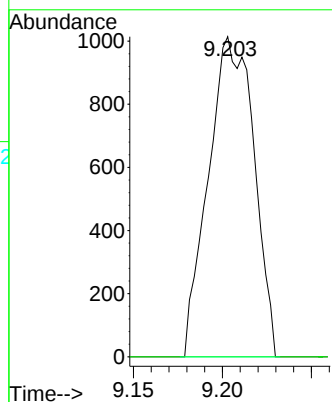
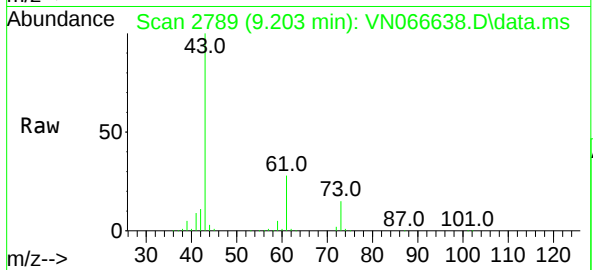


#45

1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

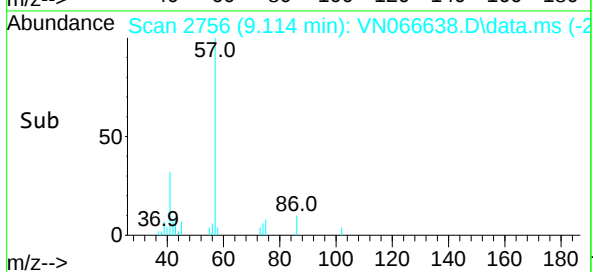
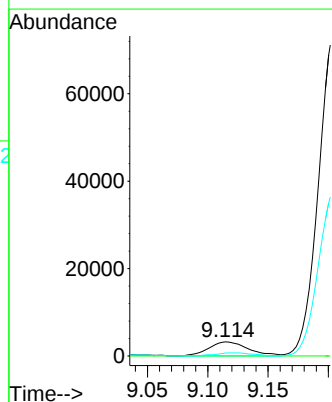
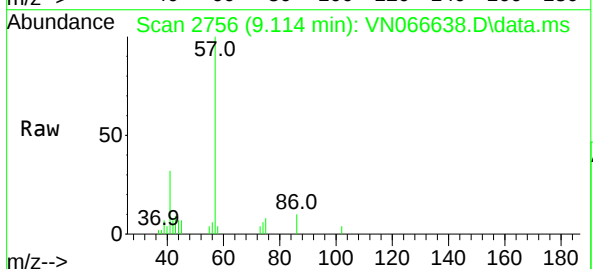
Tgt Ion: 63 Resp: 1802
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

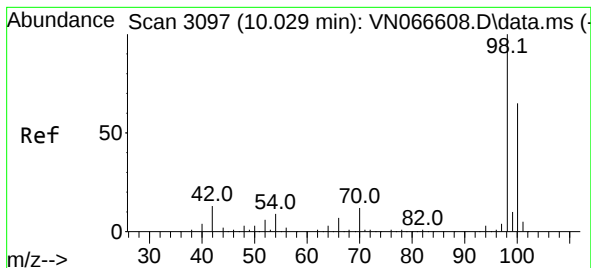


#48

Methyl methacrylate
Concen: 2.11 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 41 Resp: 7324
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

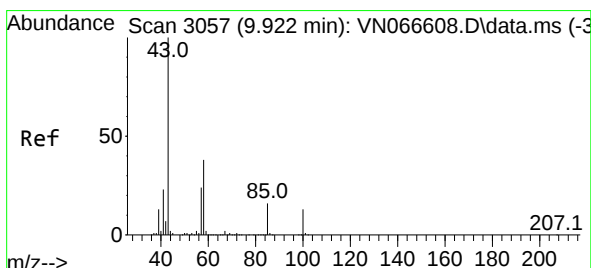
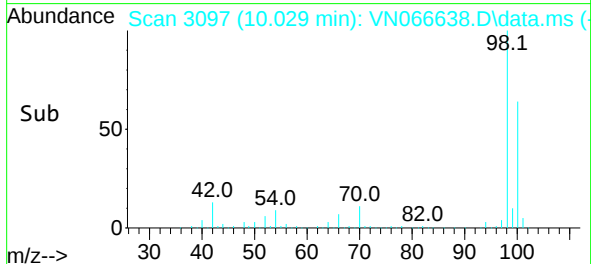
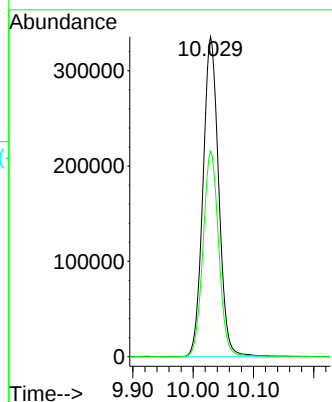
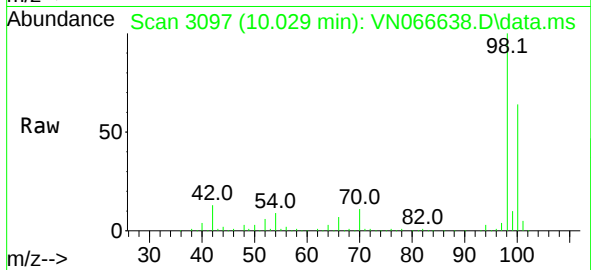




#50
Toluene-d8
Concen: 55.38 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

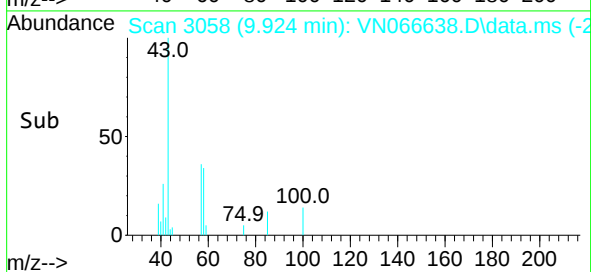
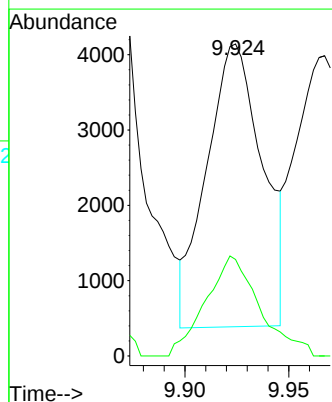
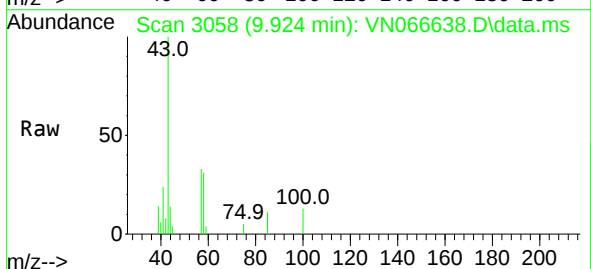
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

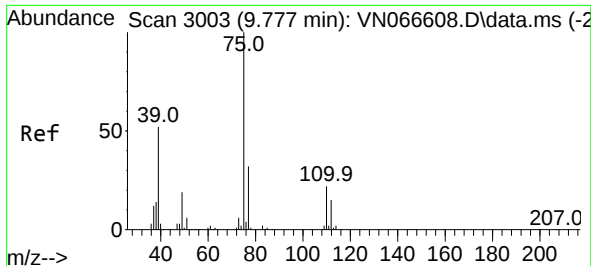
Tgt Ion: 98 Resp: 607834
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

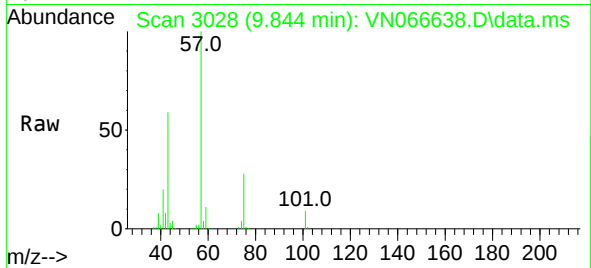
Tgt Ion: 43 Resp: 7015
Ion Ratio Lower Upper
43 100
58 34.3 32.5 48.7



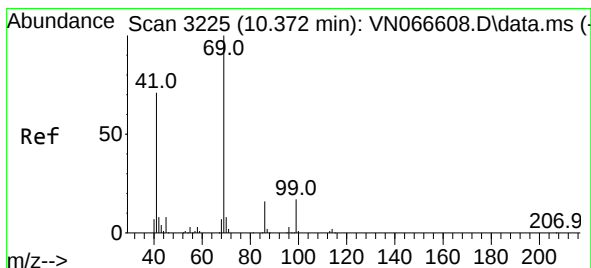
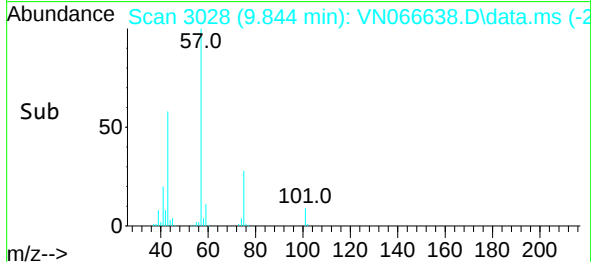
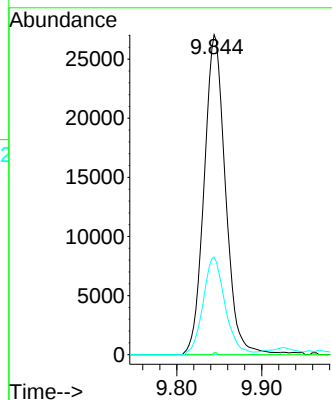


#54
cis-1,3-Dichloropropene
Concen: 8.88 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

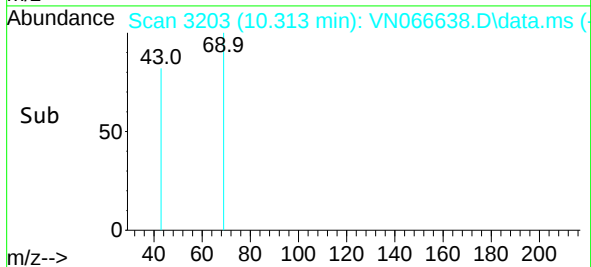
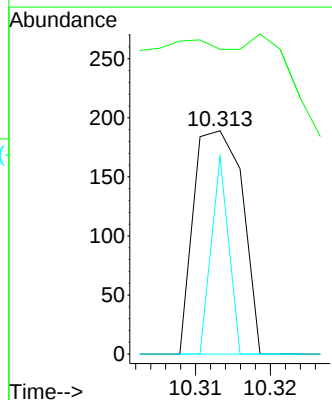
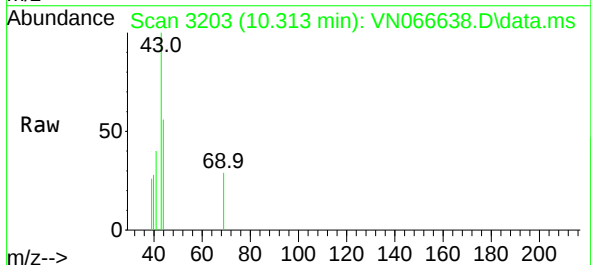


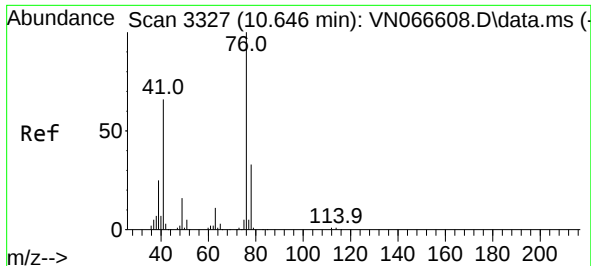
Tgt Ion: 75 Resp: 47235
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 30.5 36.2 54.4#



#56
Ethyl methacrylate
Concen: 0.91 ug/l
RT: 10.313 min Scan# 3203
Delta R.T. -0.059 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 69 Resp: 85
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

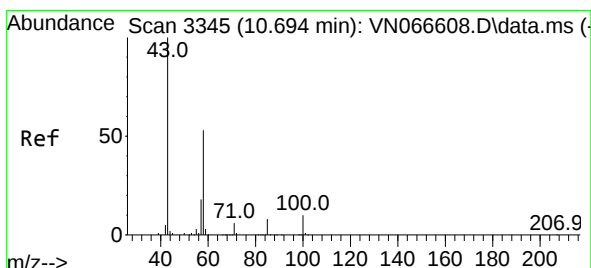
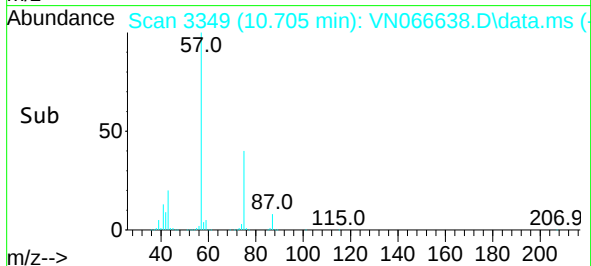
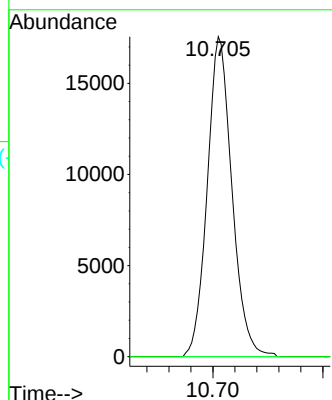
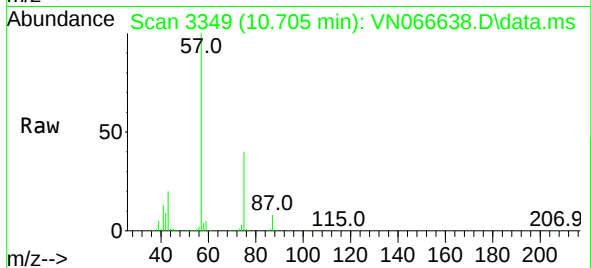




#57
1,3-Dichloropropane
Concen: 5.15 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

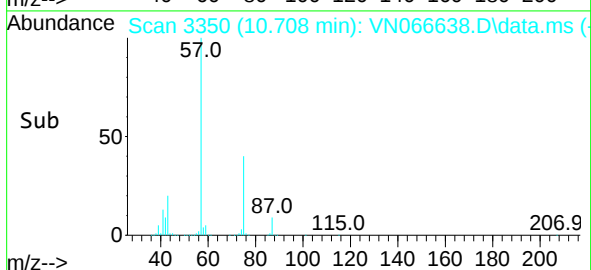
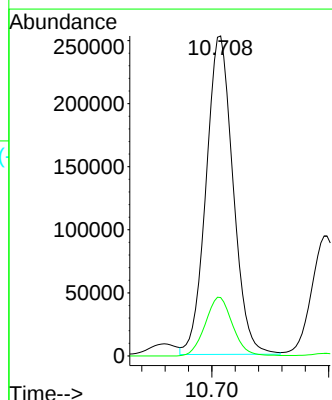
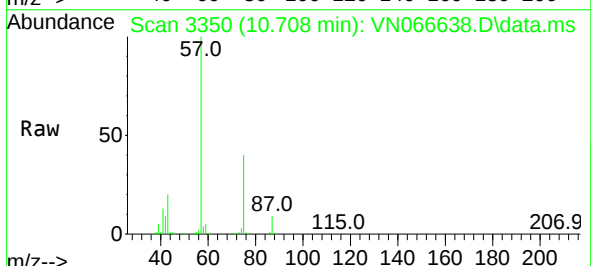
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

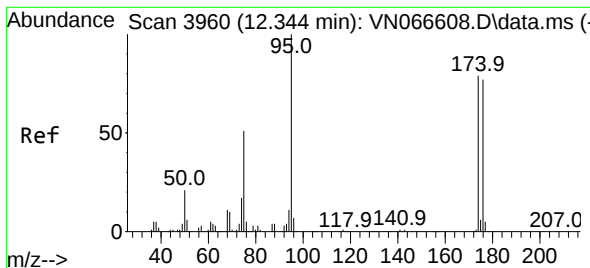
Tgt Ion: 76 Resp: 27378
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 127.62 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.014 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 43 Resp: 404662
Ion Ratio Lower Upper
43 100
58 18.8 28.1 84.3#

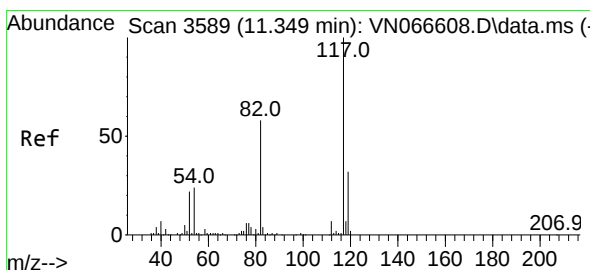
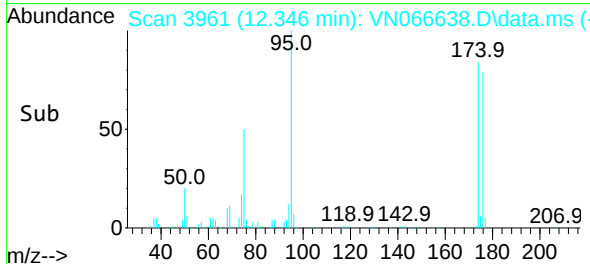
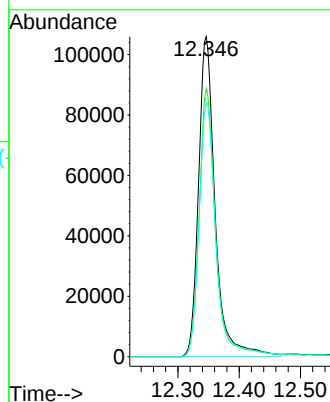
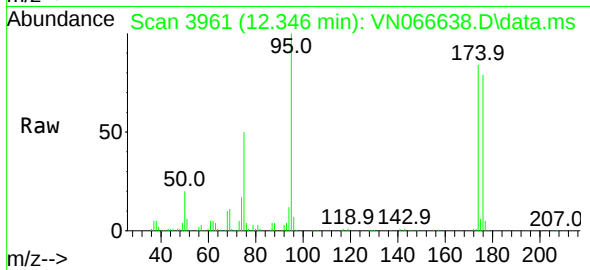




#62
4-Bromofluorobenzene
Concen: 51.74 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

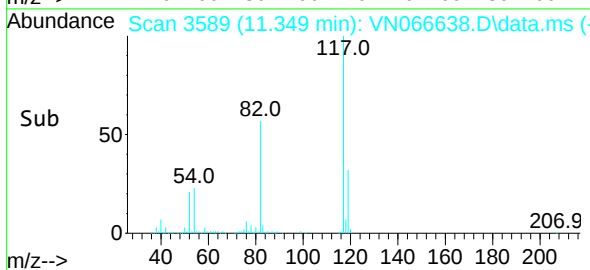
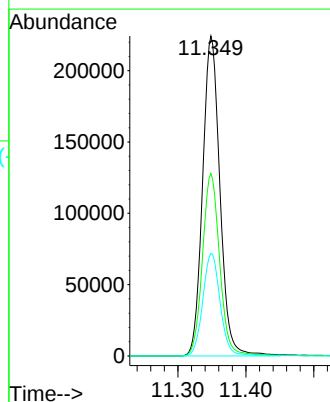
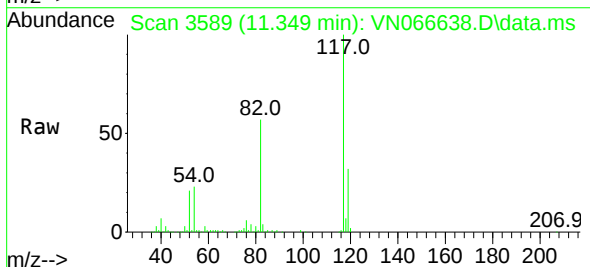
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

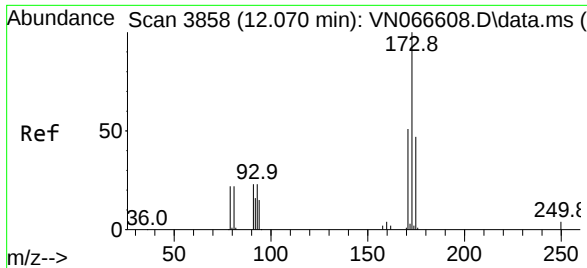
Tgt Ion: 95 Resp: 199695
Ion Ratio Lower Upper
95 100
174 83.7 0.0 169.0
176 80.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 117 Resp: 397167
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 32.1 26.1 39.1

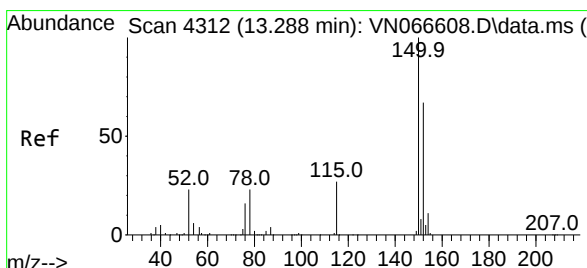
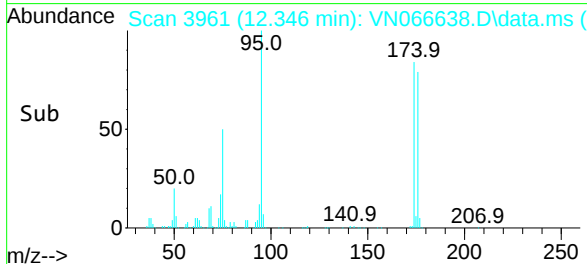
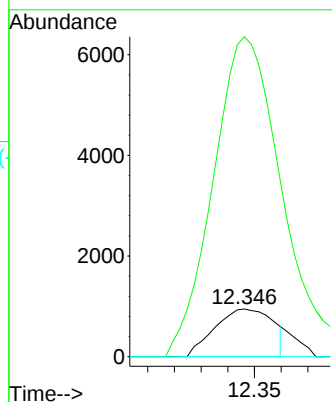
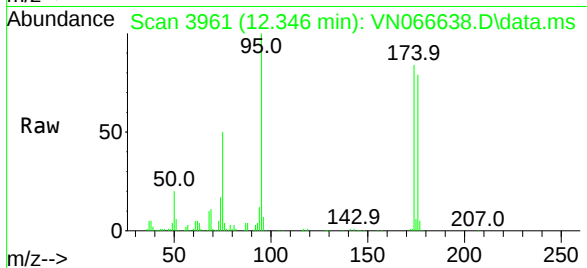




#71
Bromoform
Concen: 0.61 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.276 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

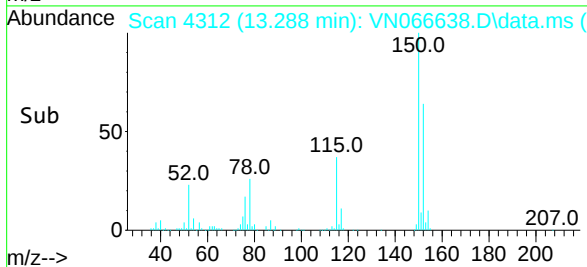
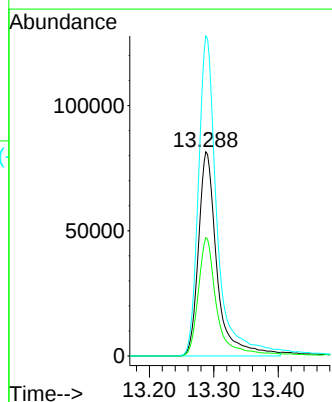
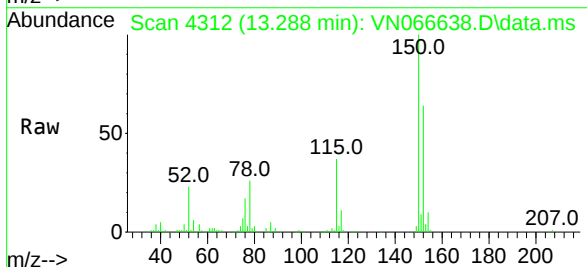
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

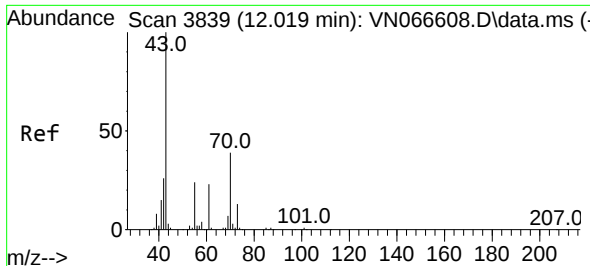
Tgt Ion:173 Resp: 1436
Ion Ratio Lower Upper
173 100
175 673.1 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

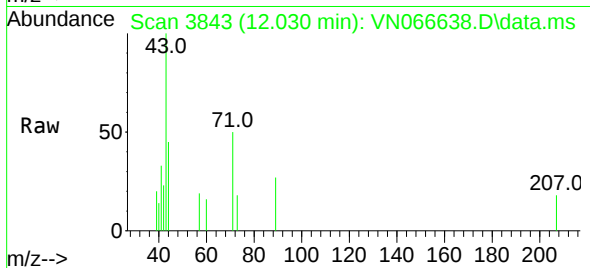
Tgt Ion:152 Resp: 163475
Ion Ratio Lower Upper
152 100
115 56.9 28.5 85.6
150 158.7 0.0 347.6



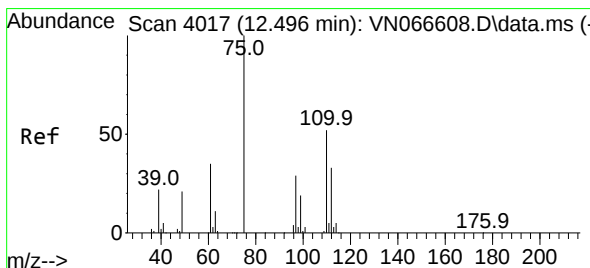
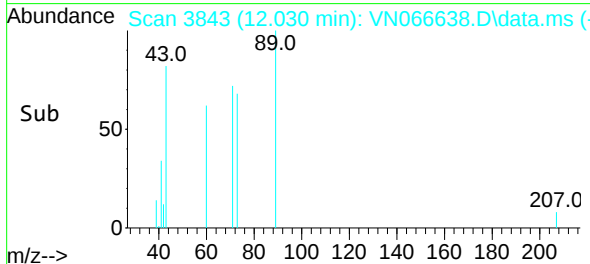
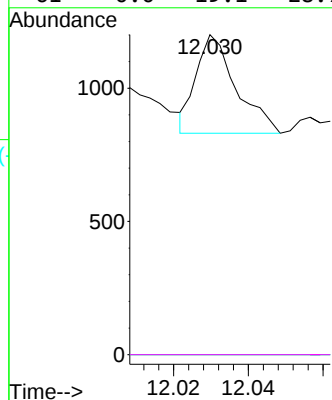


#74
N-amy1 acetate
Concen: 9.78 ug/l
RT: 12.030 min Scan# 3843
Delta R.T. 0.011 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

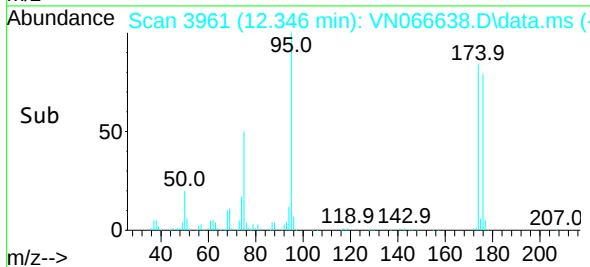
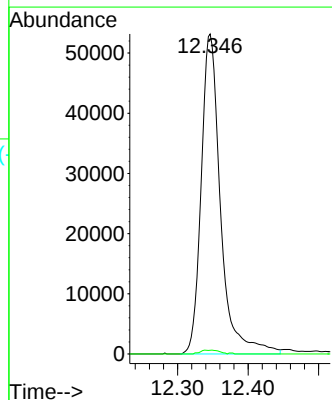
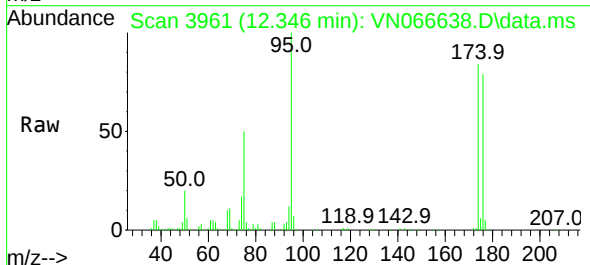


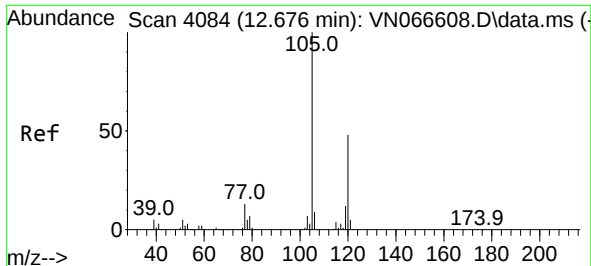
Tgt Ion:	43	Resp:	274
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	20.7	31.1#
61	0.0	19.1	28.7#



#76
1,2,3-Trichloropropane
Concen: 26.50 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion:	75	Resp:	101322
Ion	Ratio	Lower	Upper
75	100		
77	0.5	0.0	0.0#

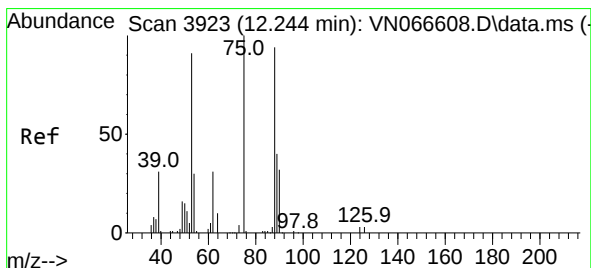
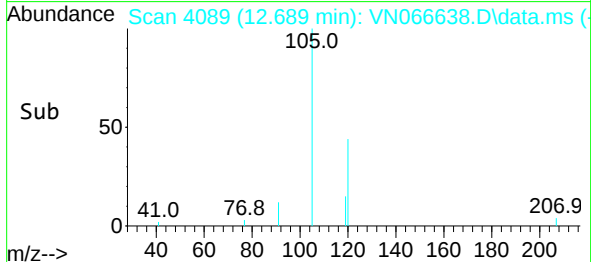
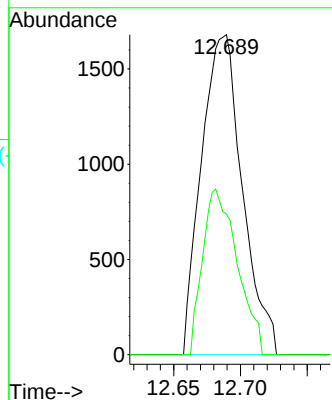
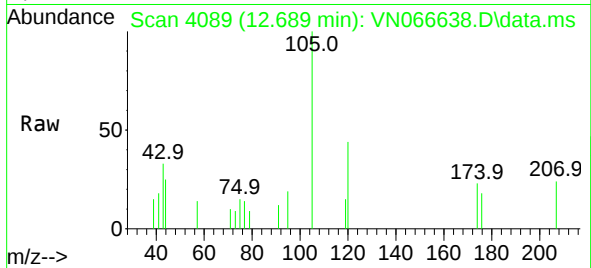




#80
1,3,5-Trimethylbenzene
Concen: 0.34 ug/l
RT: 12.689 min Scan# 4089
Delta R.T. 0.013 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#08

Tgt Ion:105 Resp: 3586
Ion Ratio Lower Upper
105 100
120 43.8 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 81.72 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066638.D
Acq: 16 Apr 2021 20:05

Tgt Ion: 75 Resp: 101322
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#

