

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
 Data File : VN066633.D
 Acq On : 16 Apr 2021 18:07
 Operator : JC/MD
 Sample : PB135768ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#03

Quant Time: Apr 17 05:18:38 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)

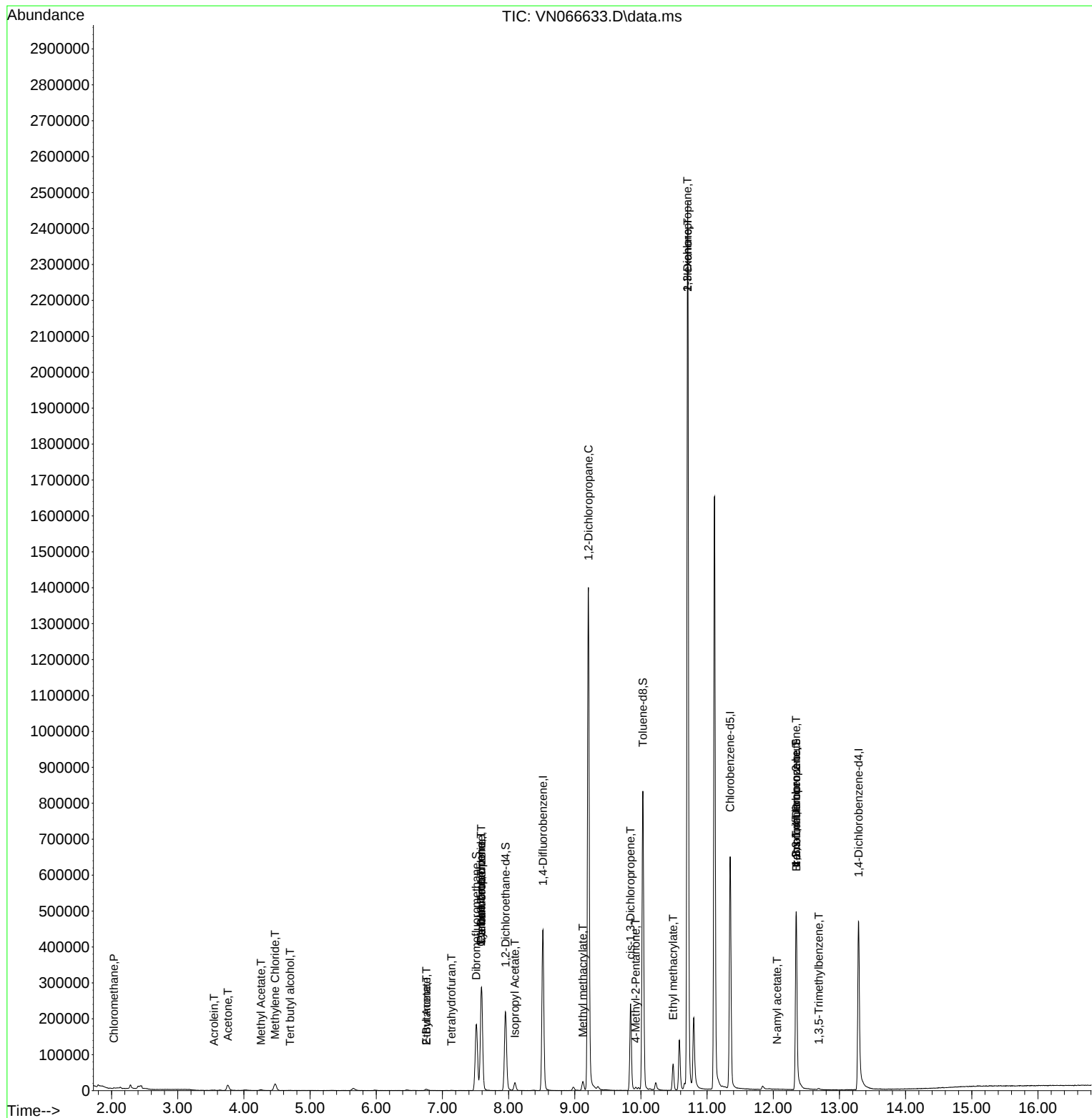
Internal Standards						
1) Pentafluorobenzene	7.591	168	250276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	396358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	380879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	156012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	186402	49.37	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 98.74%			
35) Dibromofluoromethane	7.513	113	146612	53.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.68%			
50) Toluene-d8	10.029	98	581241	53.95	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.90%			
62) 4-Bromofluorobenzene	12.346	95	193215	51.01	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.02%			
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1401	0.32	ug/l #	84
11) Tert butyl alcohol	4.700	59	966	1.59	ug/l #	73
13) Acrolein	3.549	56	785	2.43	ug/l	92
16) Acetone	3.759	43	26965	11.88	ug/l	95
18) Methyl Acetate	4.257	43	5410	1.33	ug/l #	72
20) Methylene Chloride	4.472	84	13604	3.81	ug/l	92
25) 2-Butanone	6.757	43	7357	3.31	ug/l #	86
29) Tetrahydrofuran	7.138	42	657	0.44	ug/l #	32
31) Cyclohexane	7.586	56	4946	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.586	75	18906	4.73	ug/l #	48
37) Ethyl Acetate	6.757	43	7357	1.62	ug/l #	68
38) Carbon Tetrachloride	7.588	117	22615	6.04	ug/l #	17
43) Isopropyl Acetate	8.095	43	26688	3.53	ug/l #	86
45) 1,2-Dichloropropane	9.208	63	1558	0.44	ug/l #	44
48) Methyl methacrylate	9.120	41	6755	1.98	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	5472	1.23	ug/l	99
54) cis-1,3-Dichloropropene	9.844	75	42559	8.15	ug/l #	65
56) Ethyl methacrylate	10.488	69	355	0.97	ug/l #	1
57) 1,3-Dichloropropane	10.705	76	25184	4.82	ug/l #	43
59) 2-Hexanone	10.708	43	370285	119.31	ug/l #	49
71) Bromoform	12.349	173	1268	0.56	ug/l #	1
74) N-amyl acetate	12.057	43	375	9.81	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	97896	26.83	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.687	105	2203	0.22	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.346	75	97896	82.71	ug/l #	12

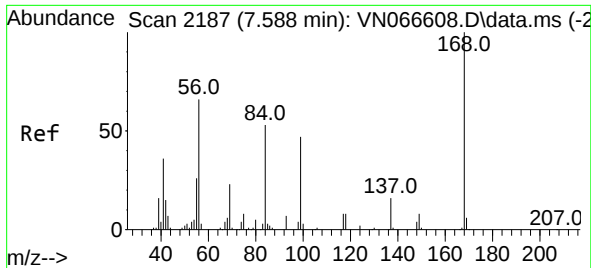
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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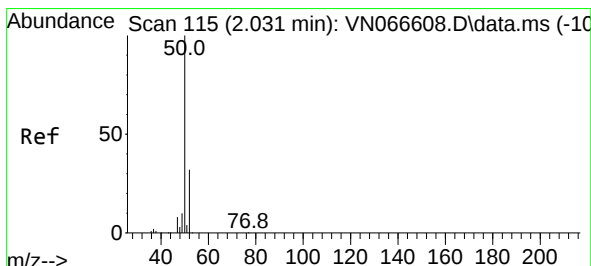
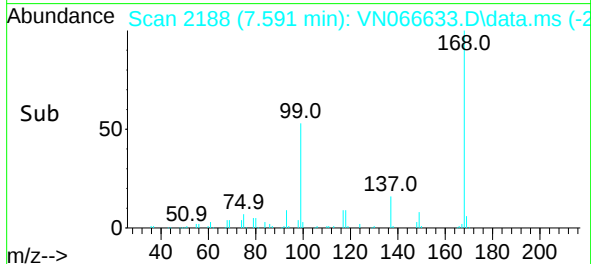
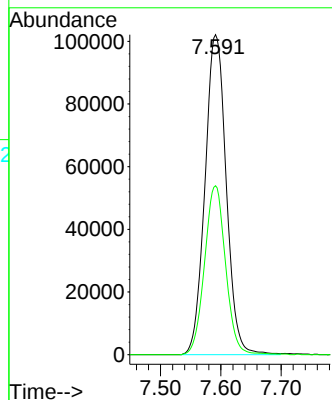
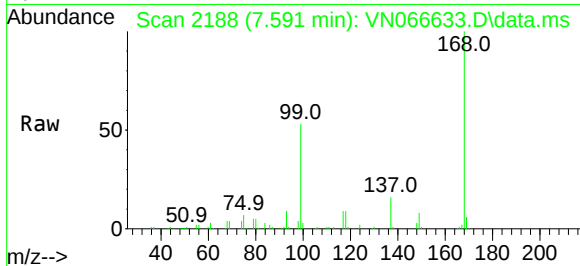




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

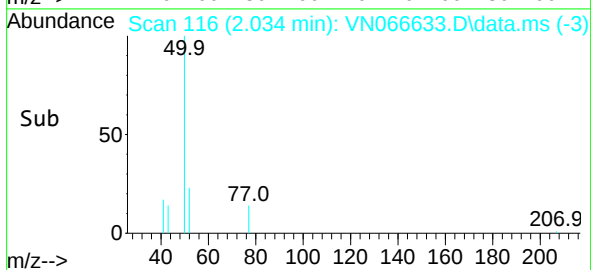
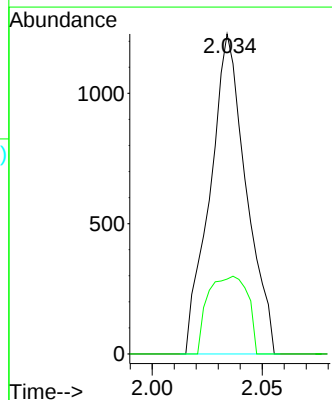
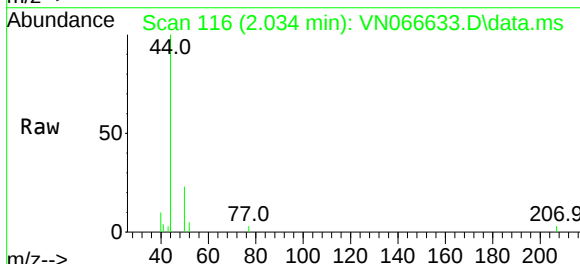
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

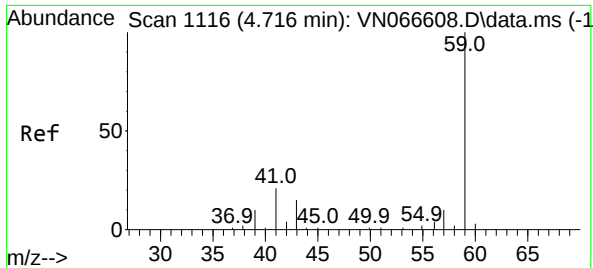
Tgt Ion:168 Resp: 250276
Ion Ratio Lower Upper
168 100
99 52.8 42.6 63.8



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion: 50 Resp: 1401
Ion Ratio Lower Upper
50 100
52 23.4 25.8 38.8#

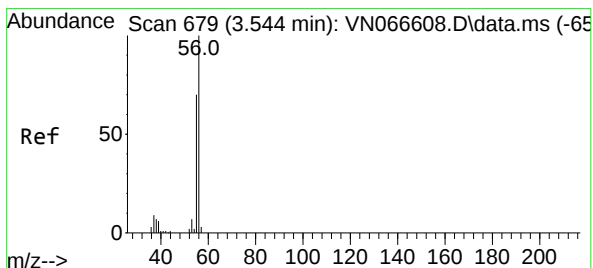
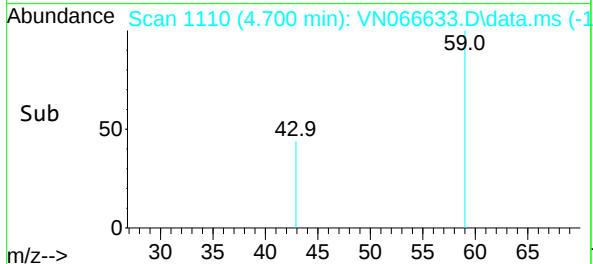
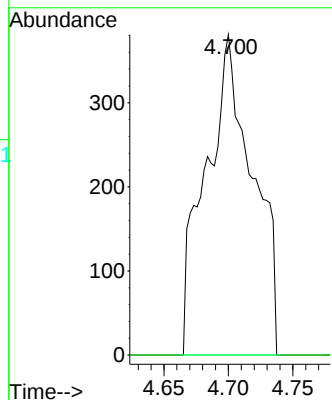
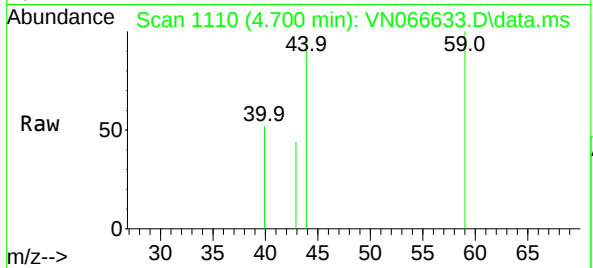




#11
Tert butyl alcohol
Concen: 1.59 ug/l
RT: 4.700 min Scan# 1110
Delta R.T. -0.016 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

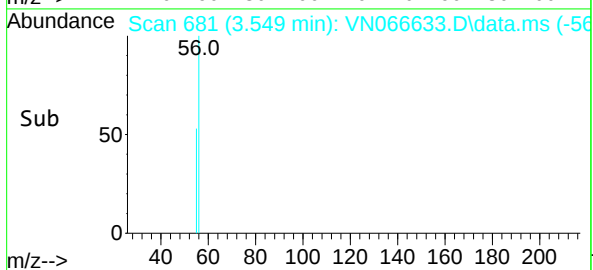
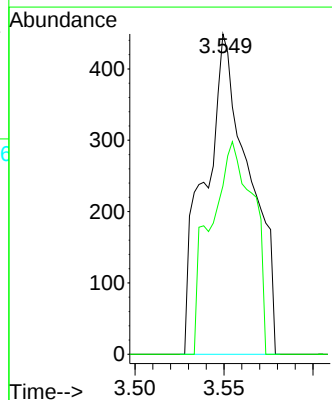
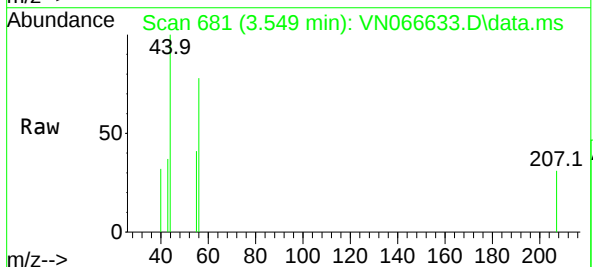
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

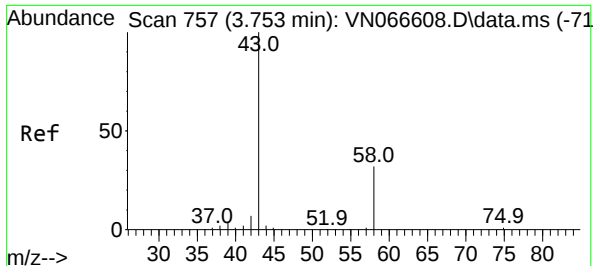
Tgt Ion: 59 Resp: 966
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 2.43 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.005 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion: 56 Resp: 785
Ion Ratio Lower Upper
56 100
55 63.8 56.0 84.0

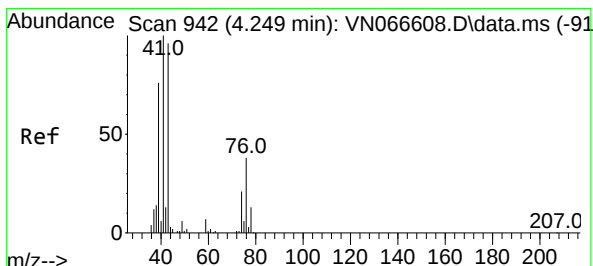
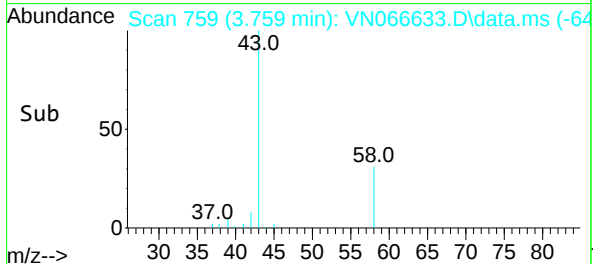
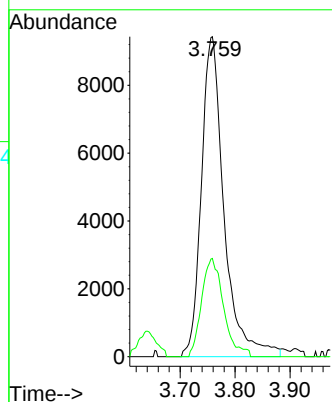
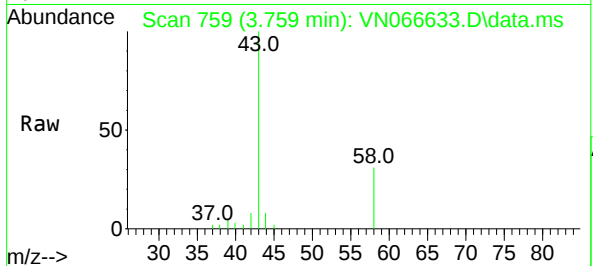




#16
Acetone
Concen: 11.88 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

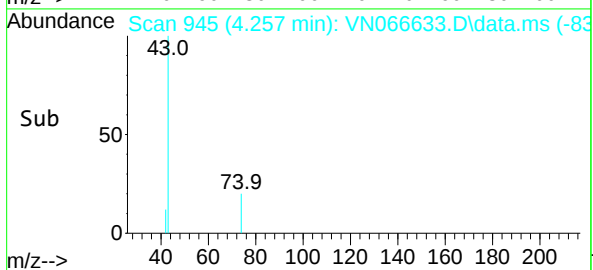
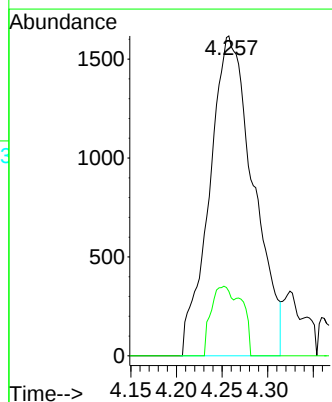
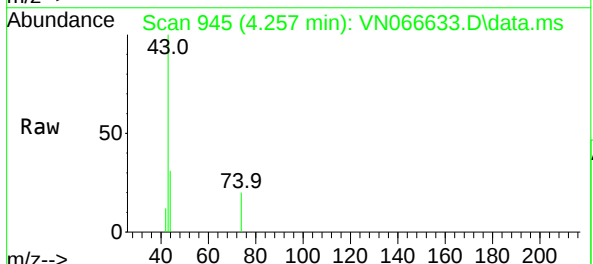
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

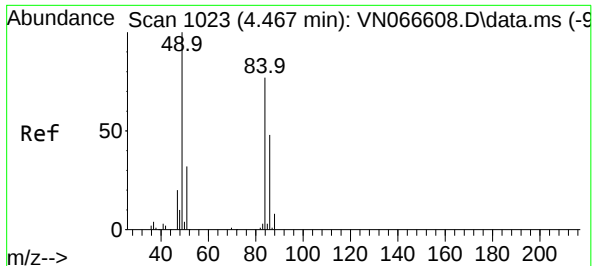
Tgt Ion: 43 Resp: 26965
Ion Ratio Lower Upper
43 100
58 30.7 27.0 40.6



#18
Methyl Acetate
Concen: 1.33 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.008 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion: 43 Resp: 5410
Ion Ratio Lower Upper
43 100
74 10.4 19.5 29.3#





#20

Methylene Chloride

Concen: 3.81 ug/l

RT: 4.472 min Scan# 1025

Delta R.T. 0.005 min

Lab File: VN066633.D

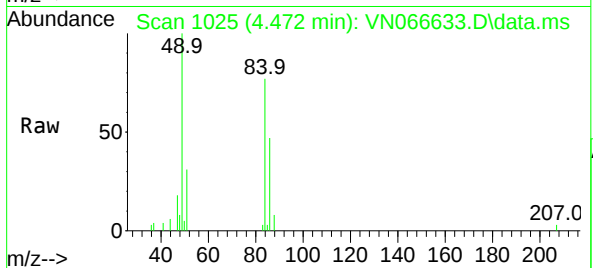
Acq: 16 Apr 2021 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB135768ZHE#03



Tgt Ion: 84 Resp: 13604

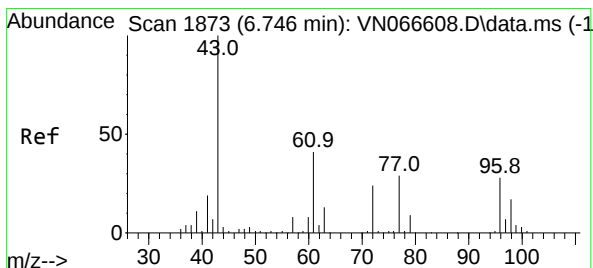
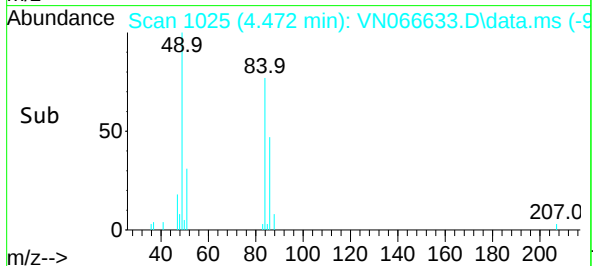
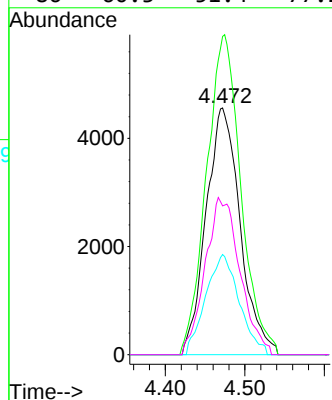
Ion Ratio Lower Upper

84 100

49 129.0 94.6 141.8

51 40.6 29.9 44.9

86 60.3 51.4 77.2



#25

2-Butanone

Concen: 3.31 ug/l

RT: 6.757 min Scan# 1877

Delta R.T. 0.011 min

Lab File: VN066633.D

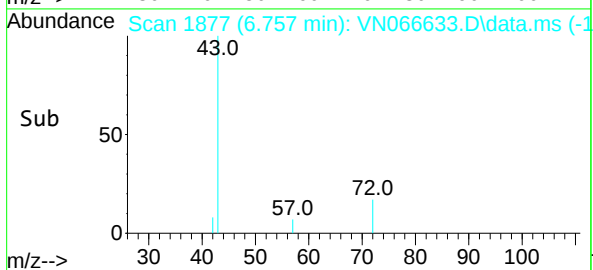
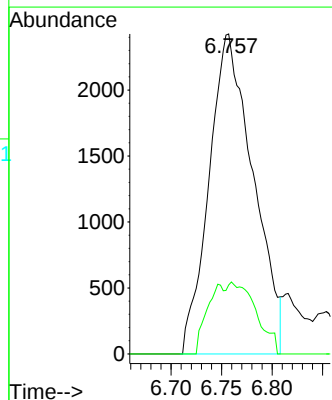
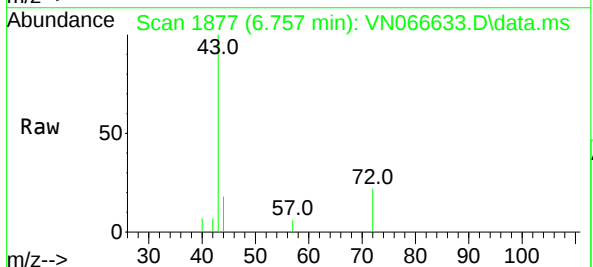
Acq: 16 Apr 2021 18:07

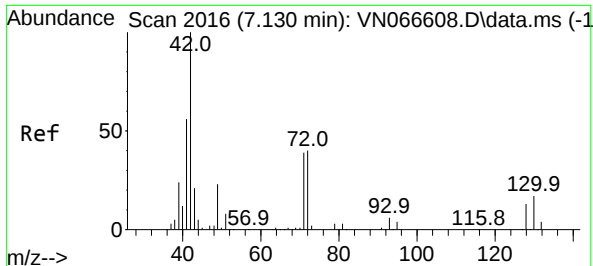
Tgt Ion: 43 Resp: 7357

Ion Ratio Lower Upper

43 100

72 21.5 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 7.138 min Scan# 2019

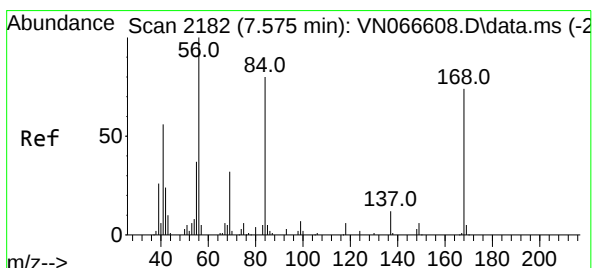
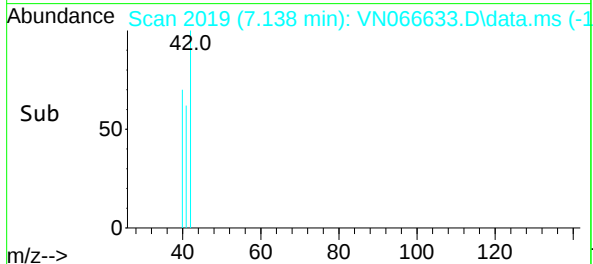
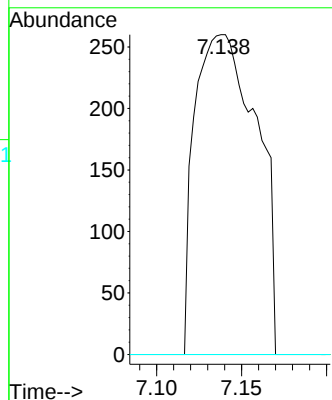
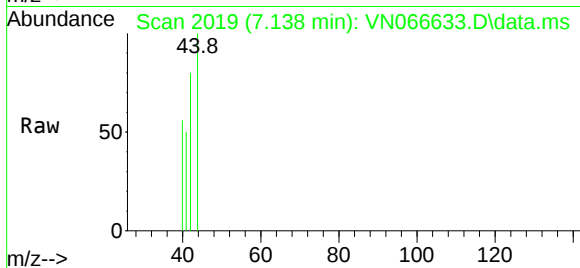
Delta R.T. 0.008 min

Lab File: VN066633.D

Acq: 16 Apr 2021 18:07

Tgt Ion:	42	Resp:	657
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#03



#31

Cyclohexane

Concen: 0.91 ug/l

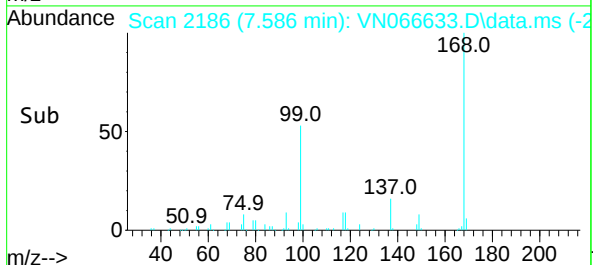
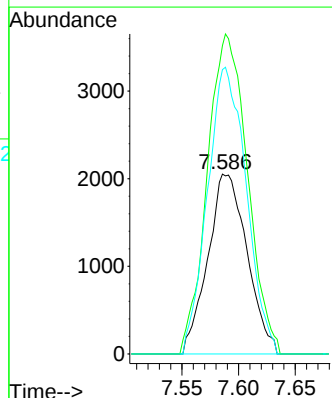
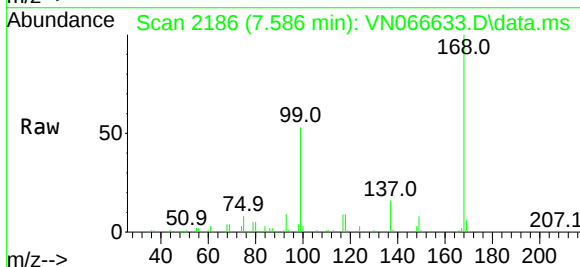
RT: 7.586 min Scan# 2186

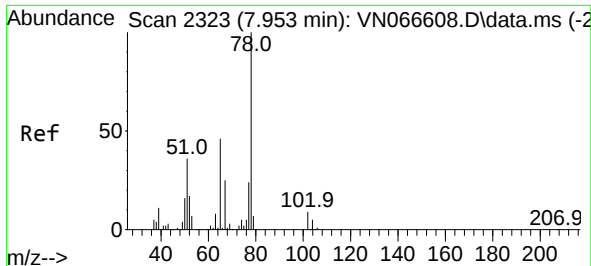
Delta R.T. 0.011 min

Lab File: VN066633.D

Acq: 16 Apr 2021 18:07

Tgt Ion:	56	Resp:	4946
Ion	Ratio	Lower	Upper
56	100		
69	171.4	26.6	39.8#
84	158.1	70.4	105.6#

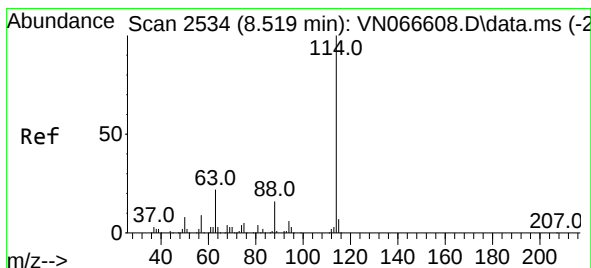
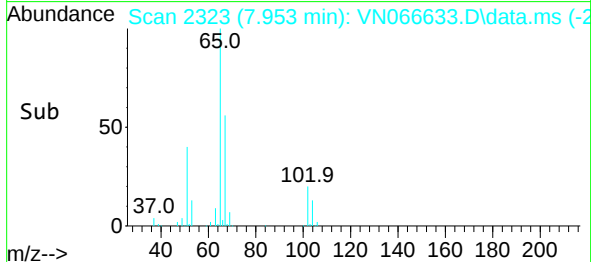
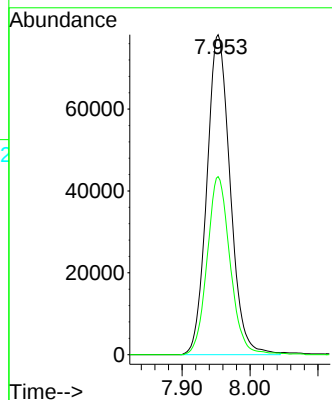
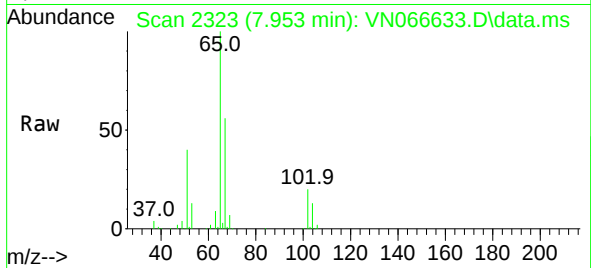




#33
 1,2-Dichloroethane-d4
 Concen: 49.37 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066633.D
 Acq: 16 Apr 2021 18:07

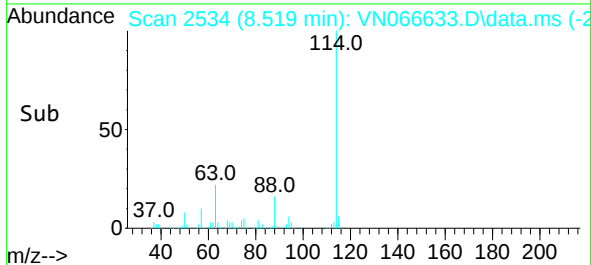
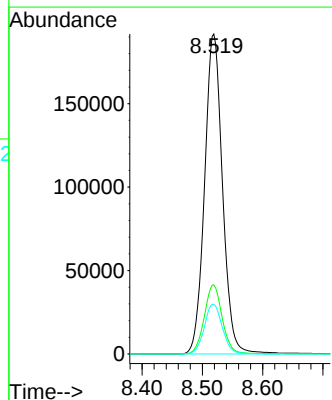
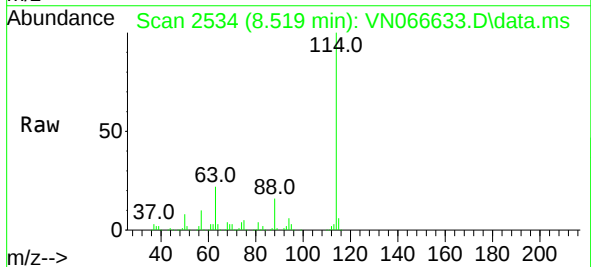
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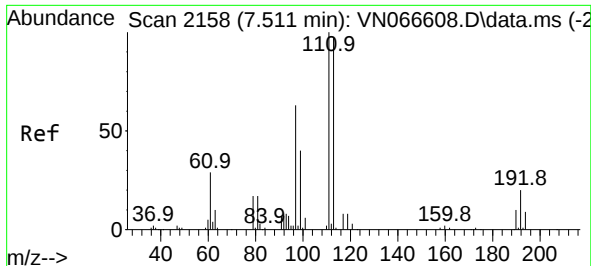
Tgt Ion: 65 Resp: 186402
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.000 min
 Lab File: VN066633.D
 Acq: 16 Apr 2021 18:07

Tgt Ion: 114 Resp: 396358
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 38.6
 88 15.5 0.0 30.6

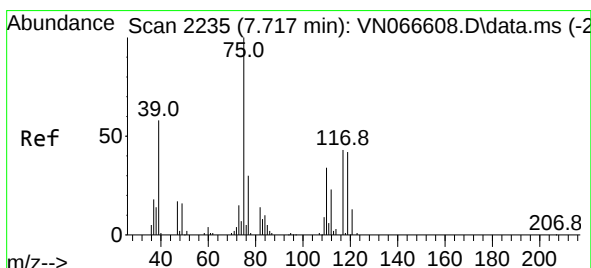
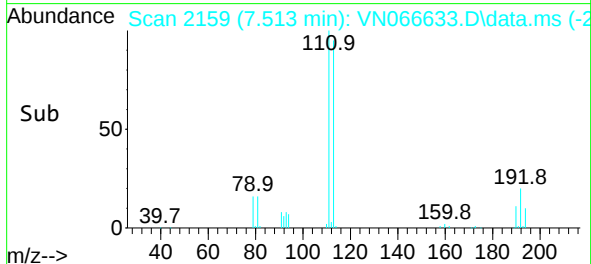
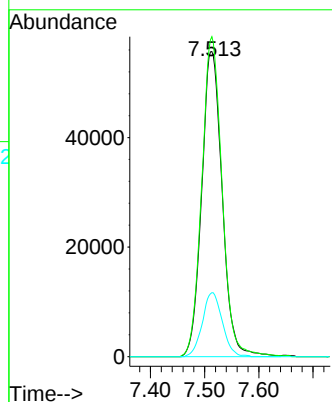
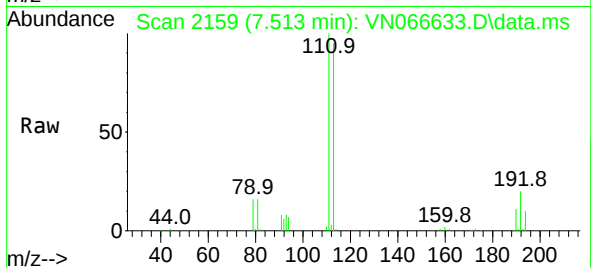




#35
Dibromofluoromethane
Concen: 53.34 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

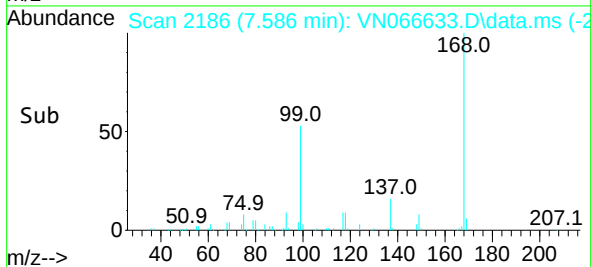
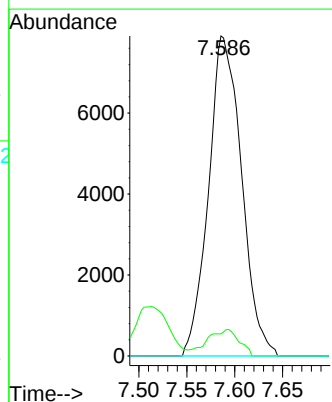
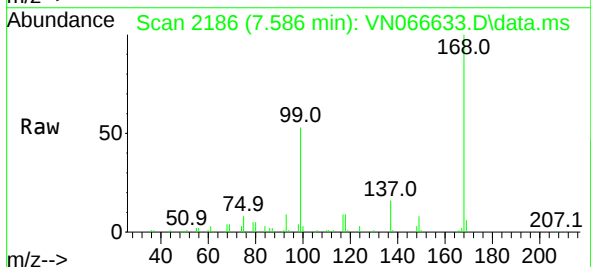
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

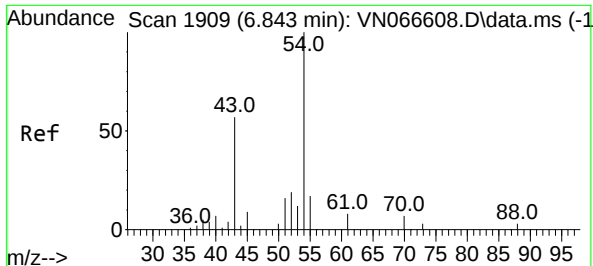
Tgt Ion:	113	Resp:	146612
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	20.4	15.4	23.0



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 7.586 min Scan# 2186
Delta R.T. -0.131 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion:	75	Resp:	18906
Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.62 ug/l

RT: 6.757 min Scan# 1877

Delta R.T. -0.086 min

Lab File: VN066633.D

Acq: 16 Apr 2021 18:07

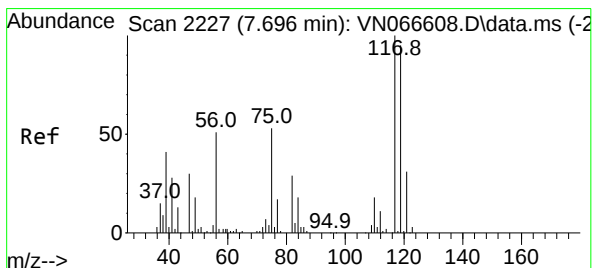
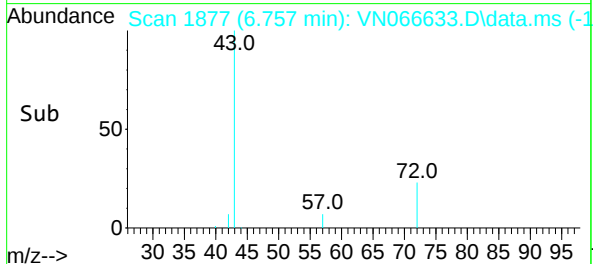
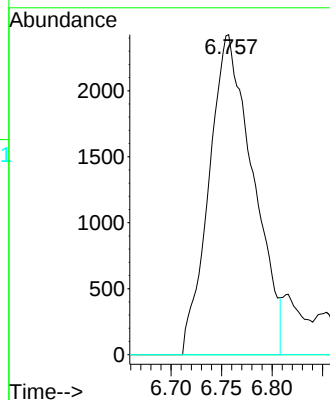
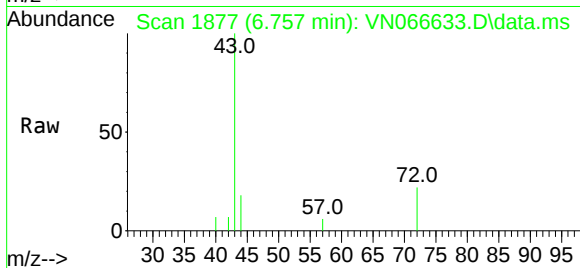
Instrument :

MSVOA_N

ClientSampleId :

PB135768ZHE#03

Tgt Ion:	43	Resp:	7357
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.04 ug/l

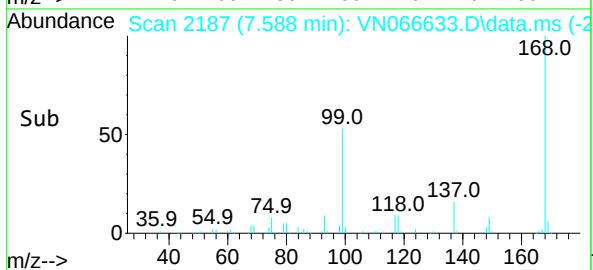
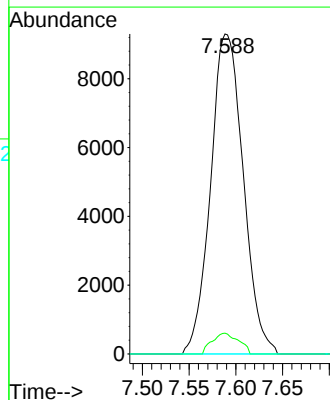
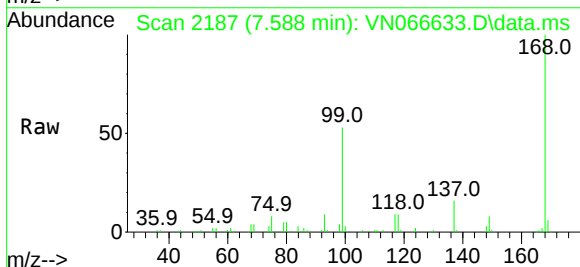
RT: 7.588 min Scan# 2187

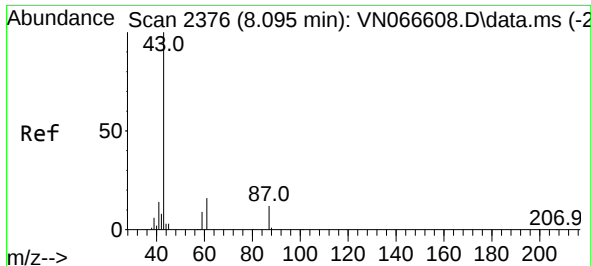
Delta R.T. -0.108 min

Lab File: VN066633.D

Acq: 16 Apr 2021 18:07

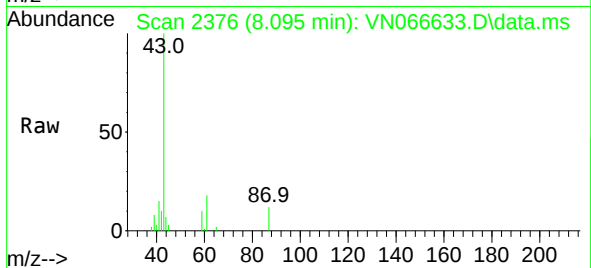
Tgt Ion:	117	Resp:	22615
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.0	114.0#
121	0.0	24.5	36.7#



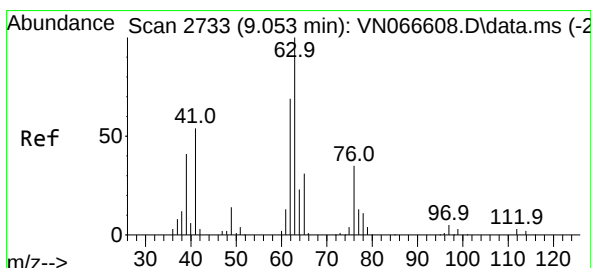
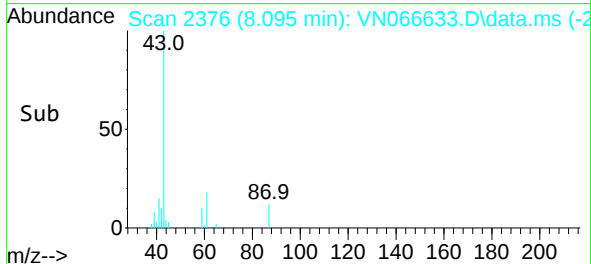
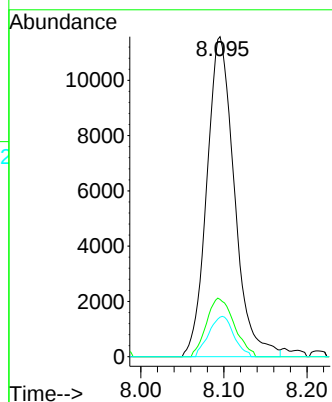


#43
Isopropyl Acetate
Concen: 3.53 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

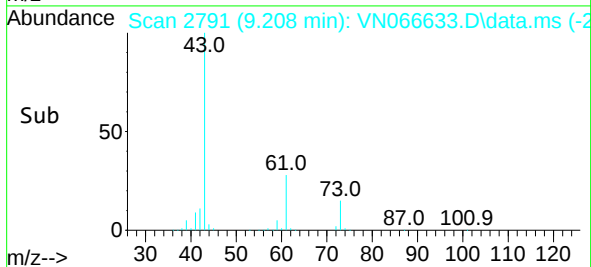
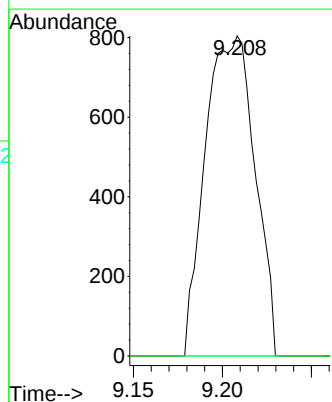
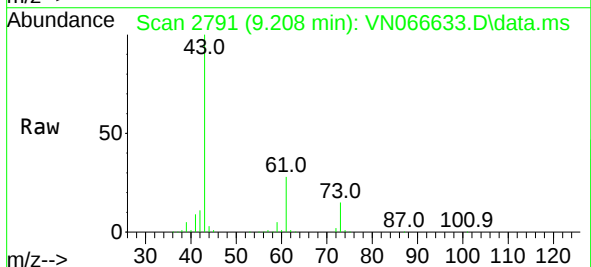


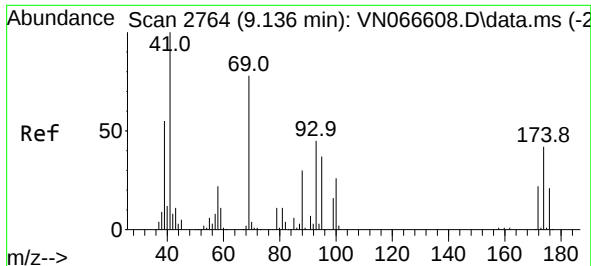
Tgt Ion:	43	Resp:	26688
Ion Ratio	100	Lower	Upper
61	18.4	22.5	33.7#
87	11.4	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.44 ug/l
RT: 9.208 min Scan# 2791
Delta R.T. 0.155 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion:	63	Resp:	1558
Ion Ratio	100	Lower	Upper
65	0.0	24.9	37.3#

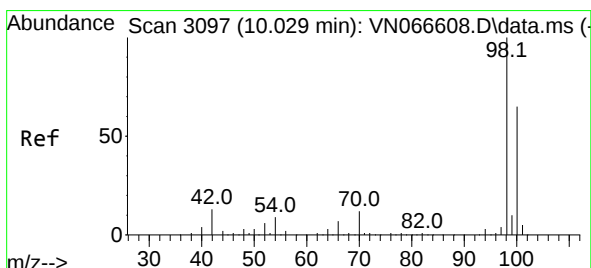
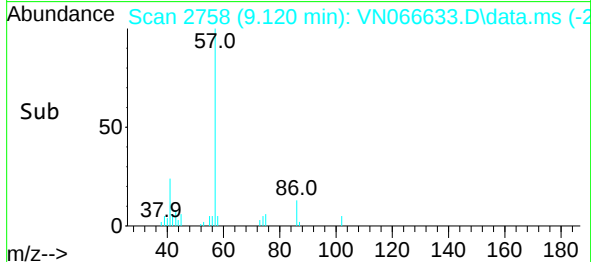
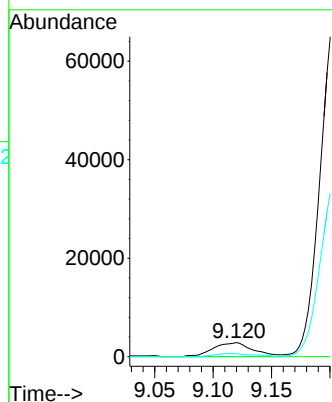
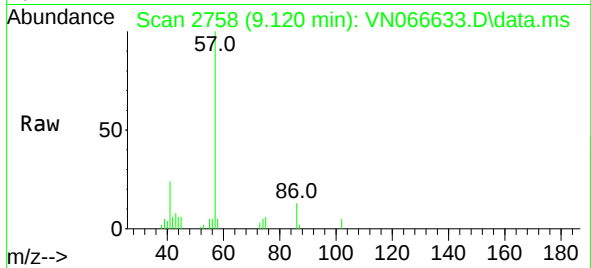




#48
Methyl methacrylate
Concen: 1.98 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

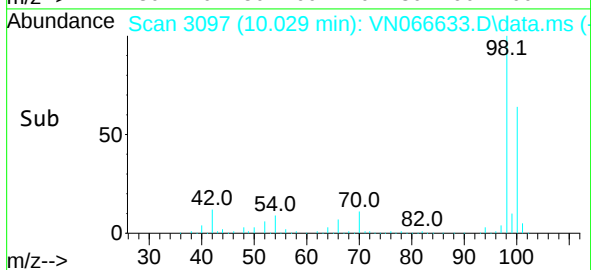
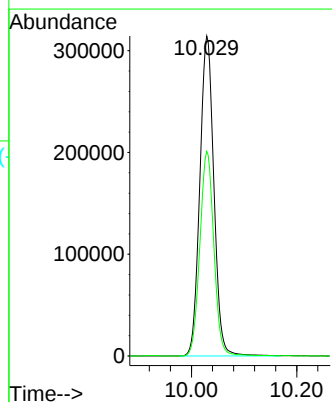
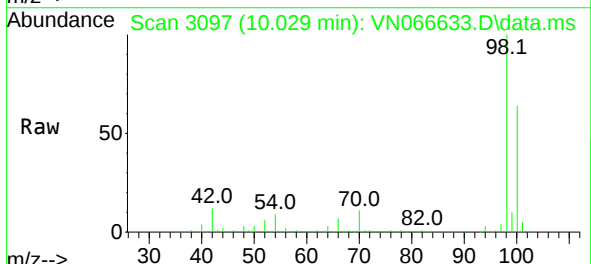
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

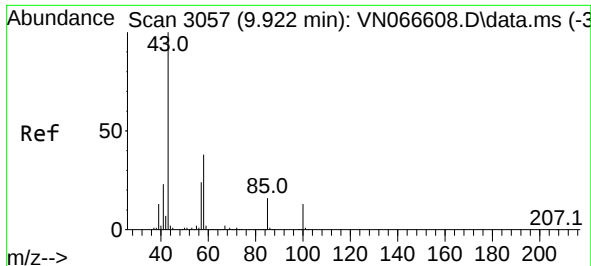
Tgt Ion: 41 Resp: 6755
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.95 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion: 98 Resp: 581241
Ion Ratio Lower Upper
98 100
100 63.7 50.5 75.7

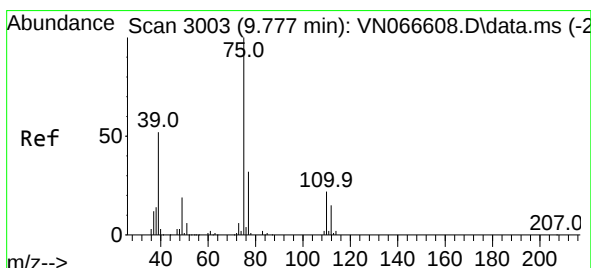
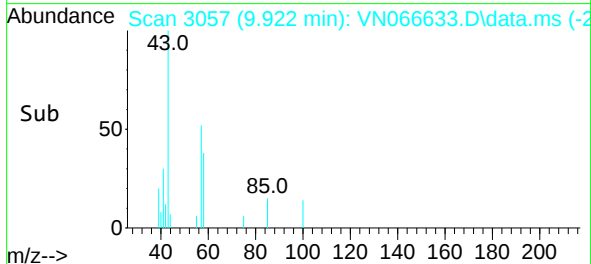
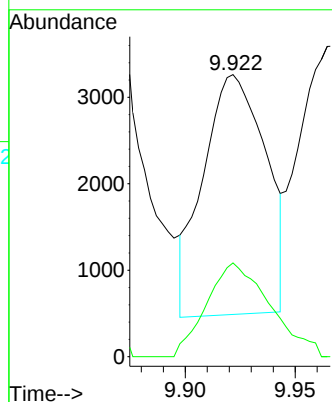
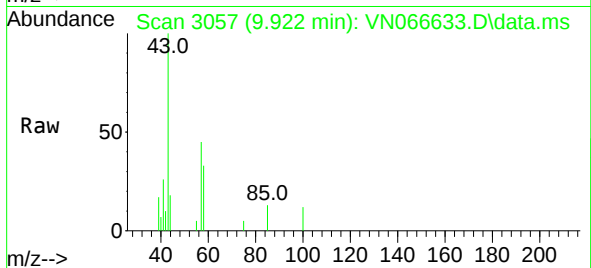




#51
4-Methyl-2-Pentanone
Concen: 1.23 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

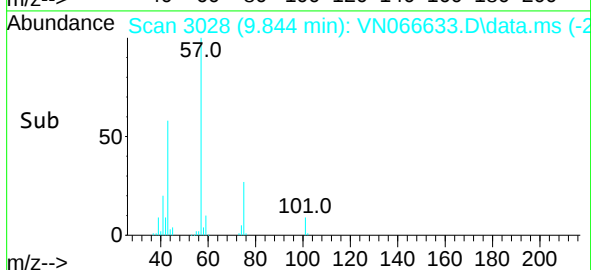
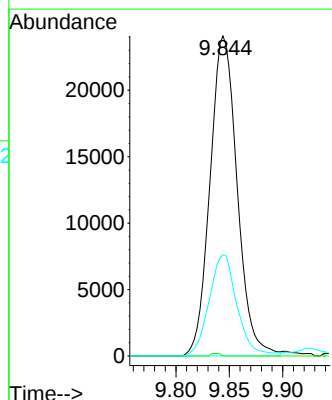
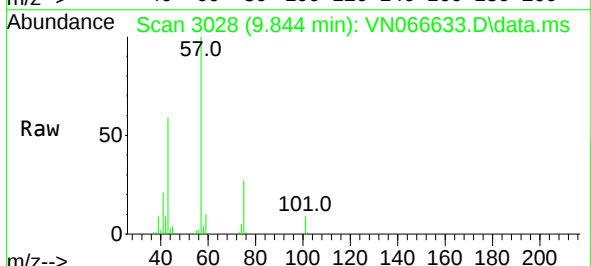
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

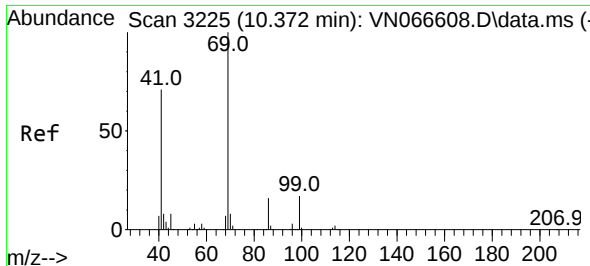
Tgt Ion: 43 Resp: 5472
Ion Ratio Lower Upper
43 100
58 39.8 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.15 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

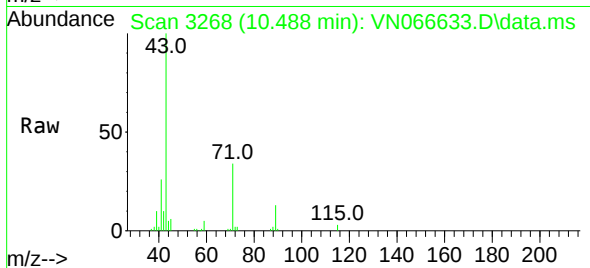
Tgt Ion: 75 Resp: 42559
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 31.6 36.2 54.4#



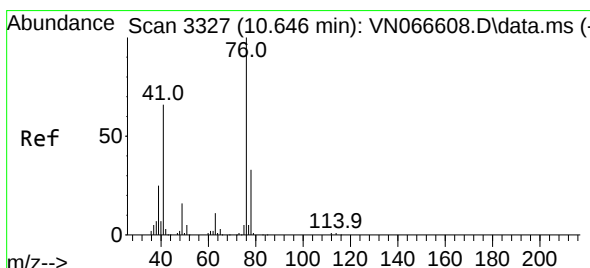
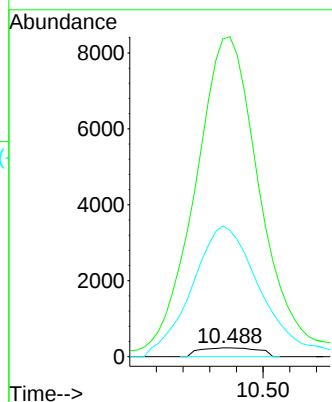
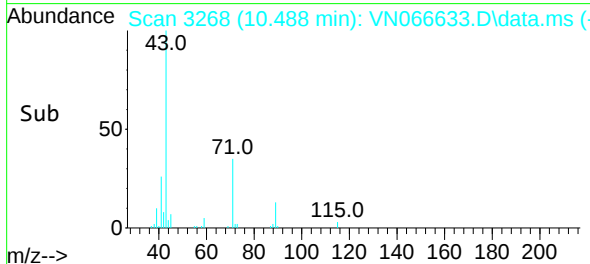


#56
Ethyl methacrylate
Concen: 0.97 ug/l
RT: 10.488 min Scan# 3268
Delta R.T. 0.116 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

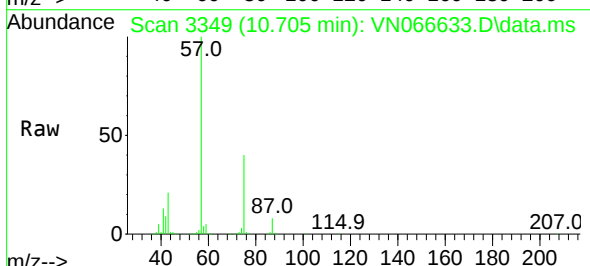
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03



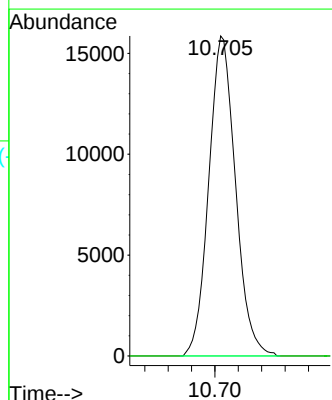
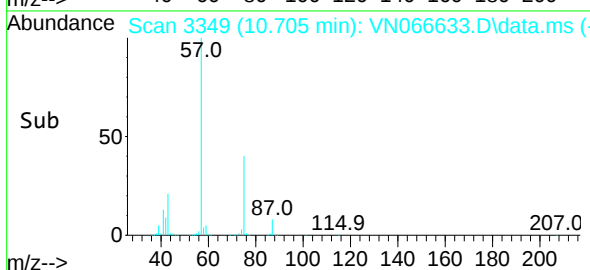
Tgt Ion: 69 Resp: 355
Ion Ratio Lower Upper
69 100
41 4123.4 49.6 74.4#
39 1727.3 28.0 42.0#

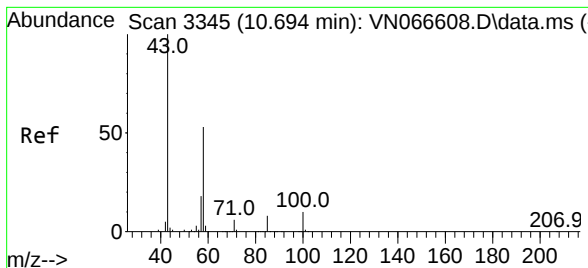


#57
1,3-Dichloropropane
Concen: 4.82 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07



Tgt Ion: 76 Resp: 25184
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

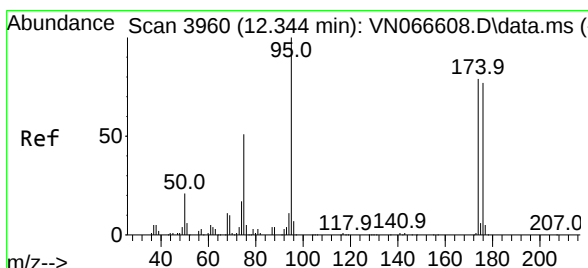
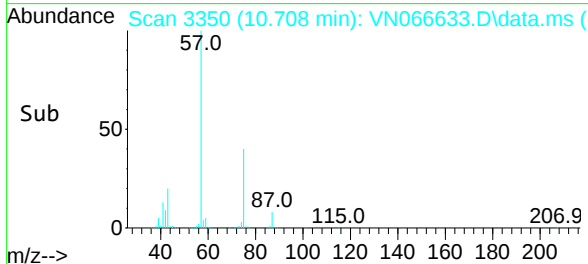
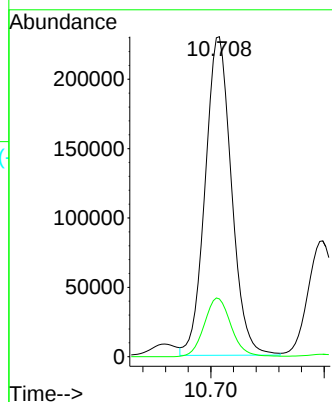
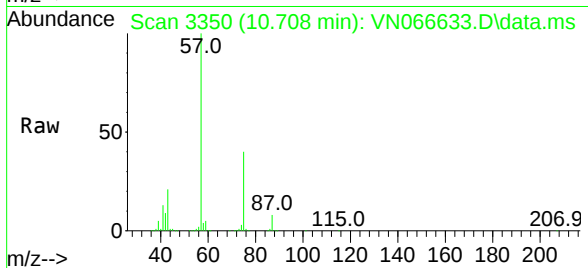




#59
2-Hexanone
Concen: 119.31 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.014 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

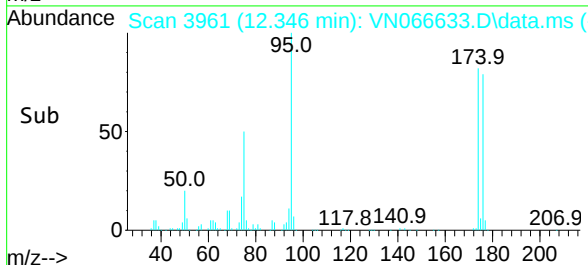
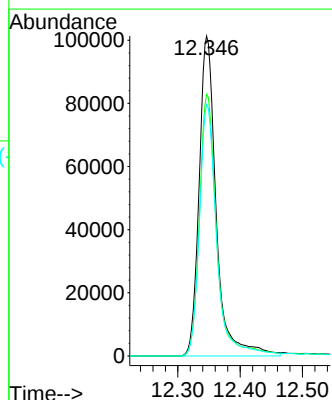
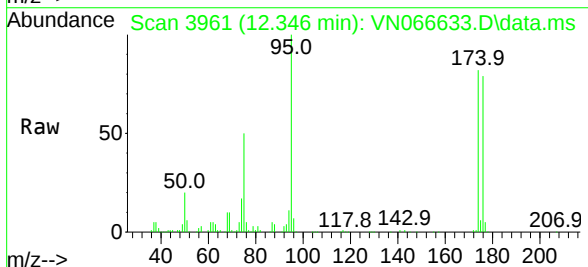
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

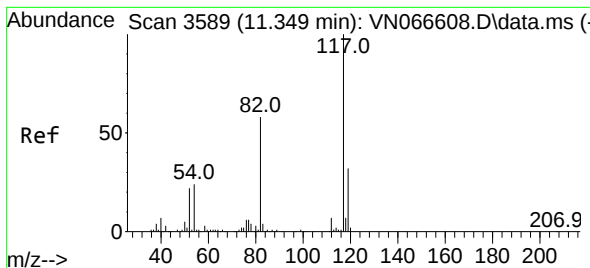
Tgt Ion: 43 Resp: 370285
Ion Ratio Lower Upper
43 100
58 18.9 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 51.01 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion: 95 Resp: 193215
Ion Ratio Lower Upper
95 100
174 82.8 0.0 169.0
176 79.8 0.0 162.4

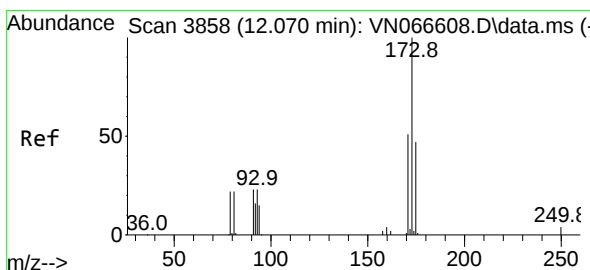
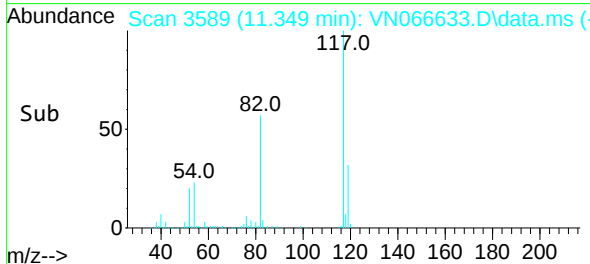
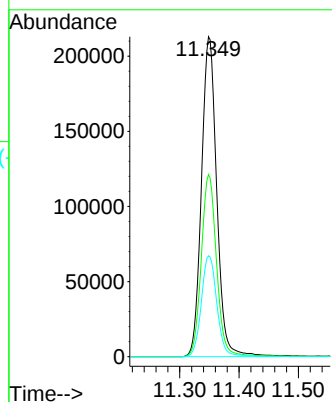
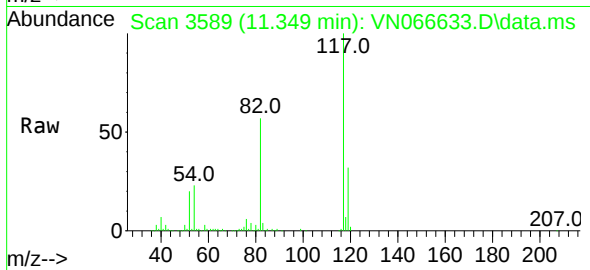




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

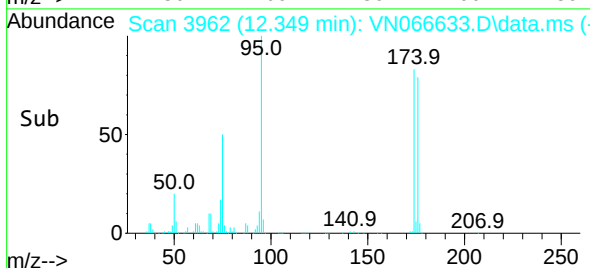
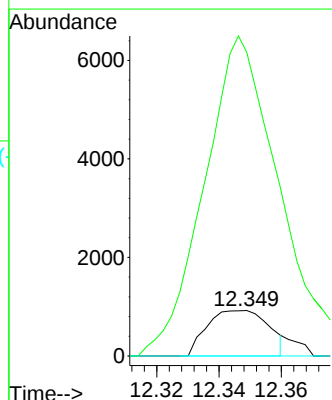
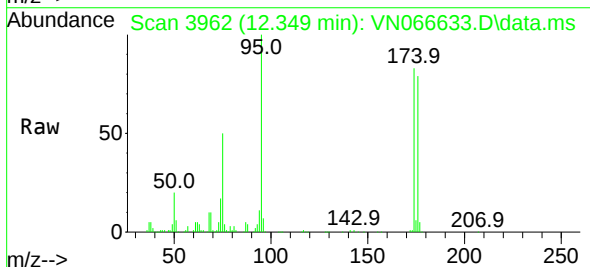
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

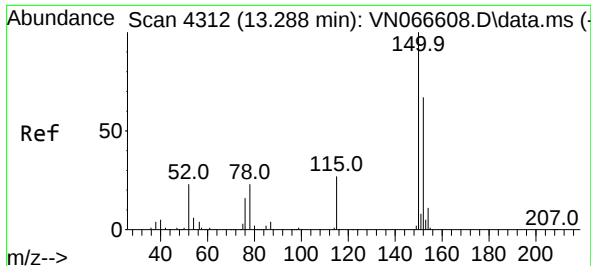
Tgt Ion:117 Resp: 380879
Ion Ratio Lower Upper
117 100
82 56.9 43.7 65.5
119 31.5 26.1 39.1



#71
Bromoform
Concen: 0.56 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.279 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion:173 Resp: 1268
Ion Ratio Lower Upper
173 100
175 732.4 23.8 71.2#
254 0.0 0.0 0.0

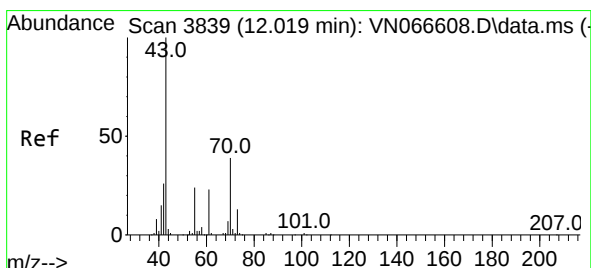
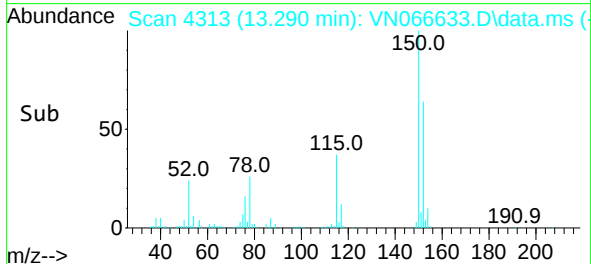
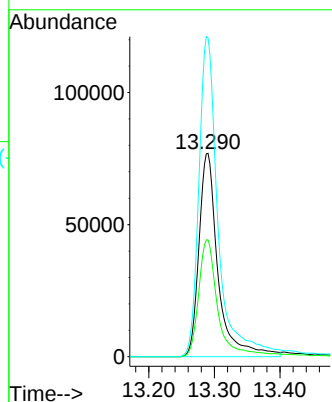
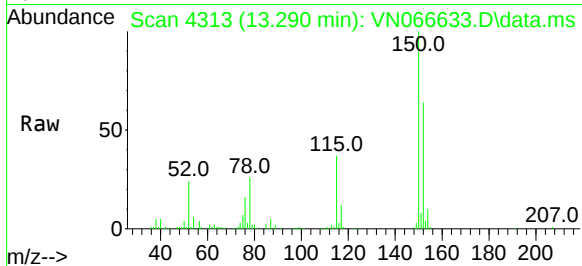




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

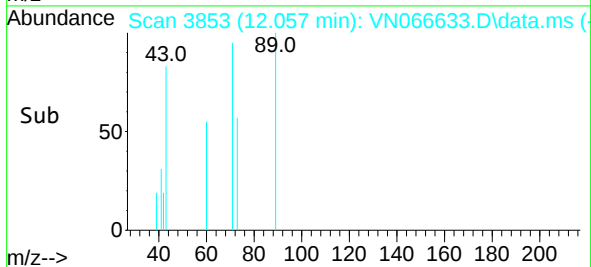
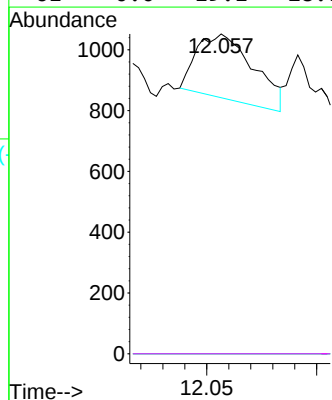
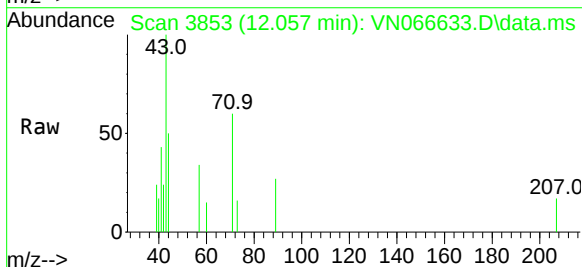
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

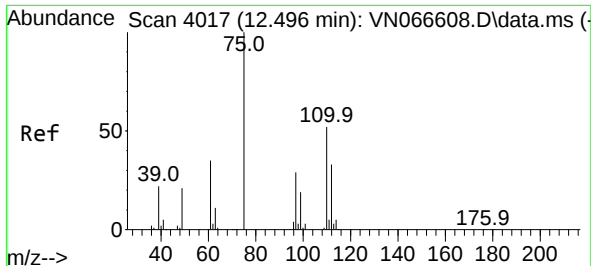
Tgt Ion:152 Resp: 156012
Ion Ratio Lower Upper
152 100
115 57.2 28.5 85.6
150 159.1 0.0 347.6



#74
N-ethyl acetate
Concen: 9.81 ug/l
RT: 12.057 min Scan# 3853
Delta R.T. 0.038 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

Tgt Ion: 43 Resp: 375
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#

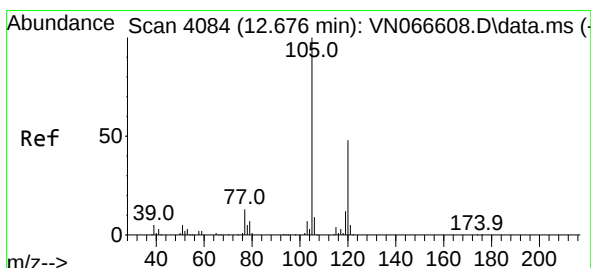
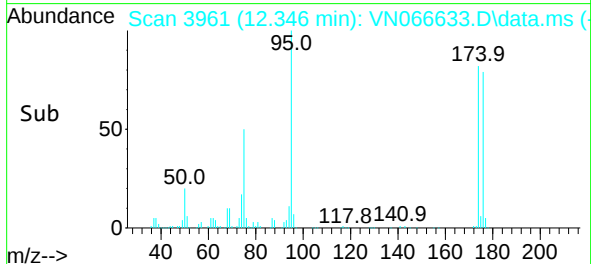
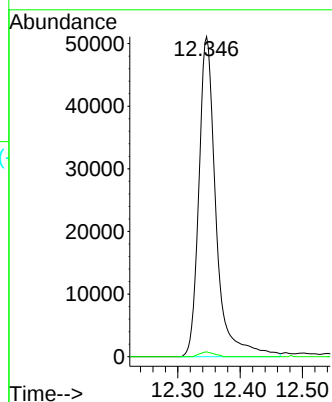
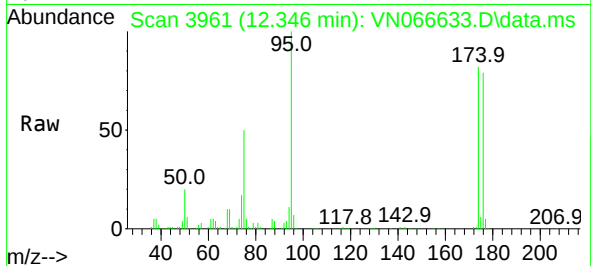




#76
1,2,3-Trichloropropane
Concen: 26.83 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

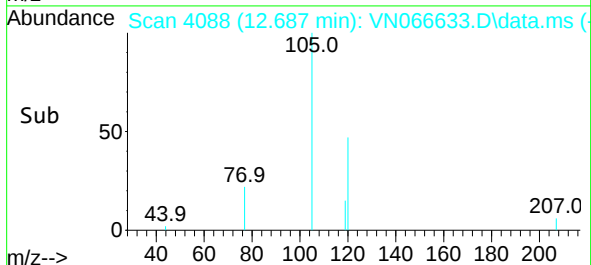
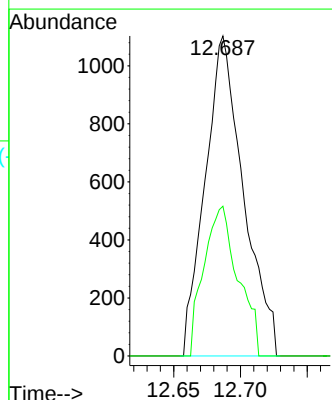
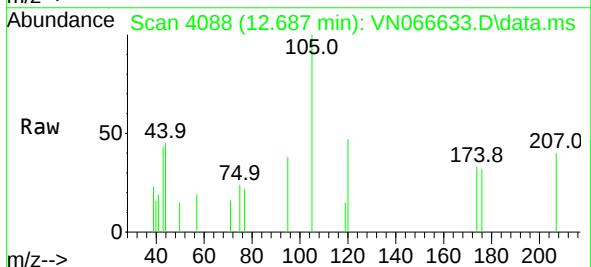
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#03

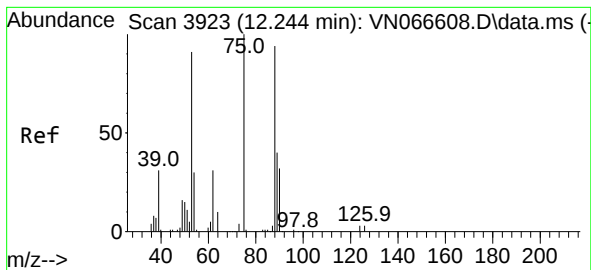
Tgt Ion: 75 Resp: 97896
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.22 ug/l
RT: 12.687 min Scan# 4088
Delta R.T. 0.011 min
Lab File: VN066633.D
Acq: 16 Apr 2021 18:07

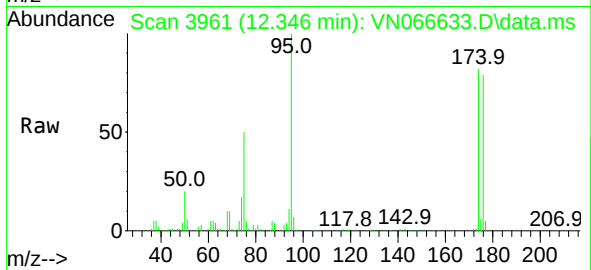
Tgt Ion: 105 Resp: 2203
Ion Ratio Lower Upper
105 100
120 41.8 24.3 72.8





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.71 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066633.D
 Acq: 16 Apr 2021 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#03



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

