

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066396.D
 Acq On : 29 Mar 2021 23:36
 Operator : JC/MD
 Sample : PB135367ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#03

Quant Time: Mar 30 07:06:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

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

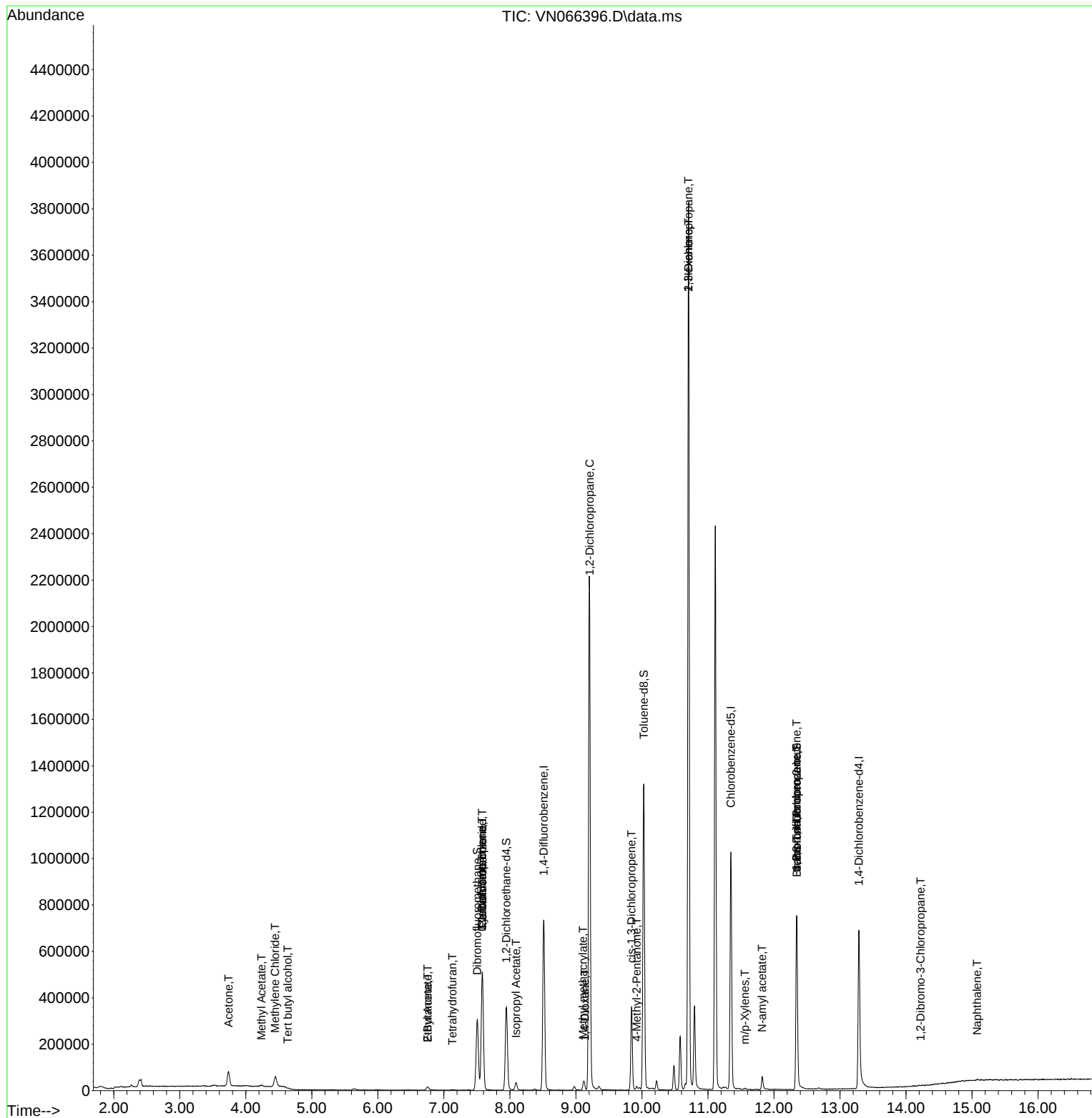
Internal Standards						
1) Pentafluorobenzene	7.584	168	423214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	649493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	577423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	218095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	299586	53.25	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.50%			
35) Dibromofluoromethane	7.507	113	229331	53.26	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.52%			
50) Toluene-d8	10.028	98	882749	54.05	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.10%			
62) 4-Bromofluorobenzene	12.345	95	259536	45.75	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.50%			
Target Compounds						Qvalue
3) Chloromethane	2.014	50	3132	Below Cal	#	86
11) Tert butyl alcohol	4.634	59	2370	2.76 ug/l	#	91
13) Acrolein	3.535	56	3159	Below Cal		91
16) Acetone	3.738	43	98593	32.44 ug/l		97
18) Methyl Acetate	4.237	43	10012	1.26 ug/l	#	76
20) Methylene Chloride	4.444	84	29050	4.20 ug/l		96
25) 2-Butanone	6.756	43	13619	4.10 ug/l	#	89
29) Tetrahydrofuran	7.128	42	1423	0.66 ug/l	#	53
31) Cyclohexane	7.579	56	9185	1.18 ug/l	#	1
36) 1,1-Dichloropropene	7.579	75	31029	5.09 ug/l	#	49
37) Ethyl Acetate	6.756	43	13619	2.03 ug/l	#	70
38) Carbon Tetrachloride	7.582	117	39243	6.40 ug/l	#	16
43) Isopropyl Acetate	8.094	43	40553	3.53 ug/l		98
45) 1,2-Dichloropropane	9.210	63	2702	0.55 ug/l	#	43
48) Methyl methacrylate	9.108	41	9979	1.83 ug/l	#	12
49) 1,4-Dioxane	9.137	88	90	1.31 ug/l	#	23
51) 4-Methyl-2-Pentanone	9.920	43	10759	1.60 ug/l		96
54) cis-1,3-Dichloropropene	9.843	75	62924	8.12 ug/l	#	59
57) 1,3-Dichloropropane	10.706	76	37879	5.02 ug/l	#	43
59) 2-Hexanone	10.706	43	539598	114.81 ug/l	#	52
68) m/p-Xylenes	11.562	106	1813	0.23 ug/l		91
71) Bromoform	12.348	173	2358	0.64 ug/l	#	1
74) N-amyl acetate	11.822	43	18945	5.97 ug/l	#	55
76) 1,2,3-Trichloropropane	12.345	75	132903	27.77 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.345	75	132903	83.52 ug/l	#	12
92) 1,2-Dibromo-3-Chloropr...	14.220	75	214	0.22 ug/l	#	1
95) Naphthalene	15.078	128	1605	1.17 ug/l	#	86

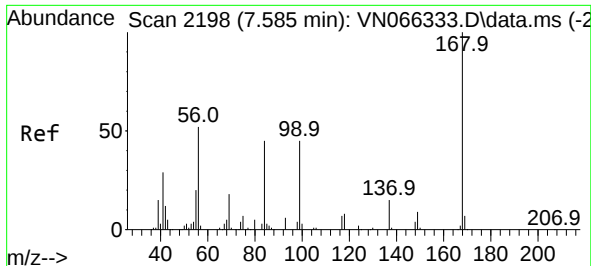
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
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Acq On : 29 Mar 2021 23:36
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ALS Vial : 36 Sample Multiplier: 1

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Quant Time: Mar 30 07:06:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 2021
Response via : Initial Calibration

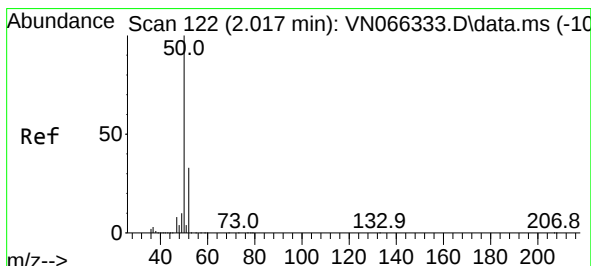
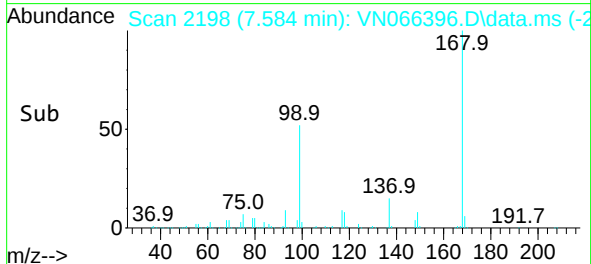
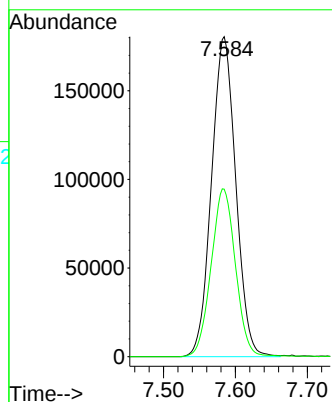
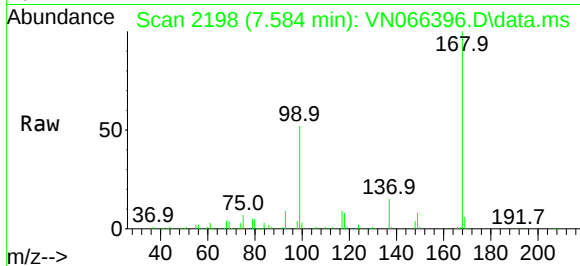




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

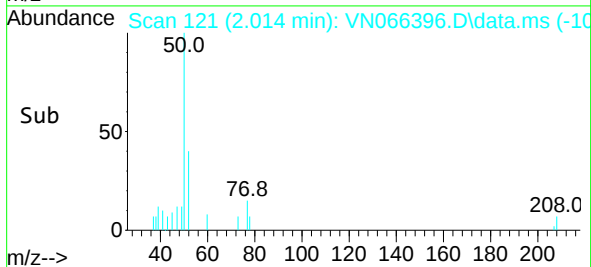
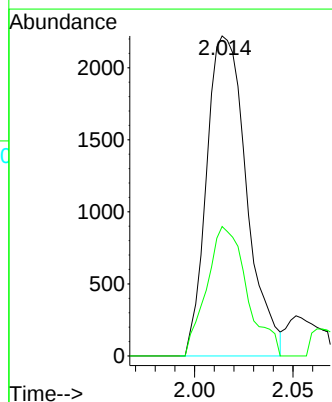
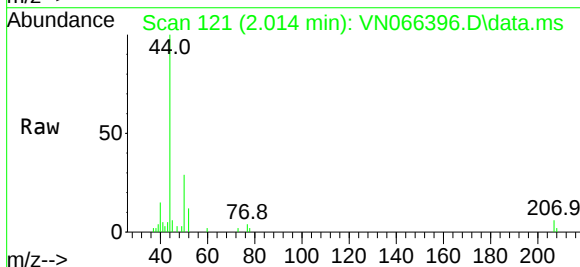
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

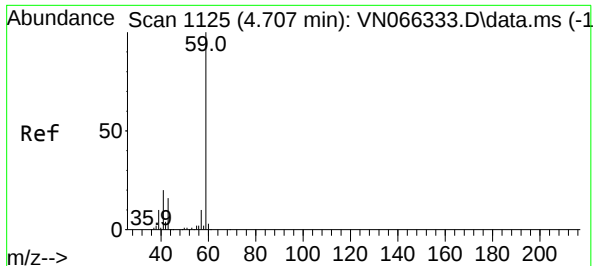
Tgt Ion:168 Resp: 423214
Ion Ratio Lower Upper
168 100
99 52.3 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion: 50 Resp: 3132
Ion Ratio Lower Upper
50 100
52 40.4 26.2 39.2#



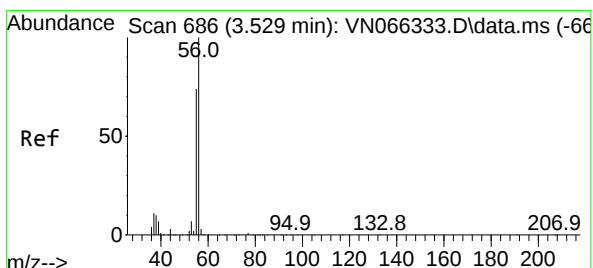
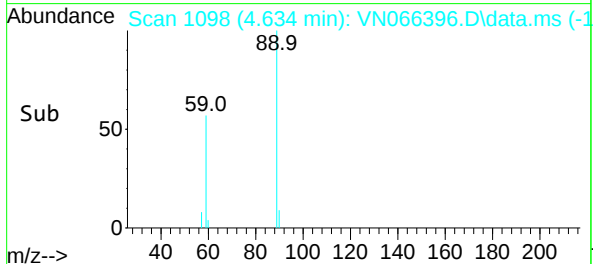
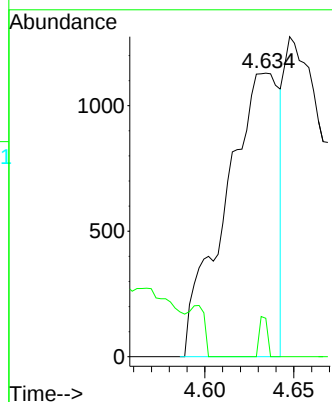
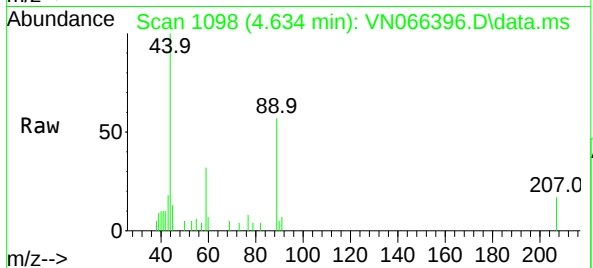


#11

Tert butyl alcohol
Concen: 2.76 ug/l
RT: 4.634 min Scan# 1098
Delta R.T. -0.072 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

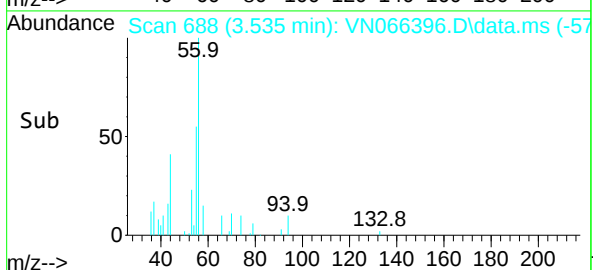
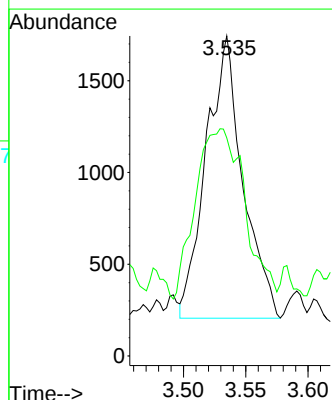
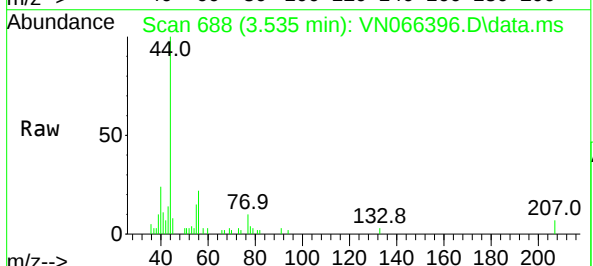
Tgt Ion: 59 Resp: 2370
Ion Ratio Lower Upper
59 100
57 2.1 4.1 6.1#

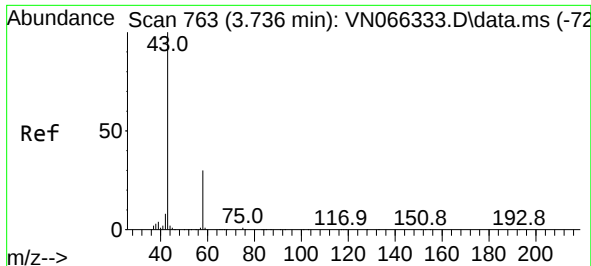


#13

Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.006 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion: 56 Resp: 3159
Ion Ratio Lower Upper
56 100
55 80.2 57.9 86.9

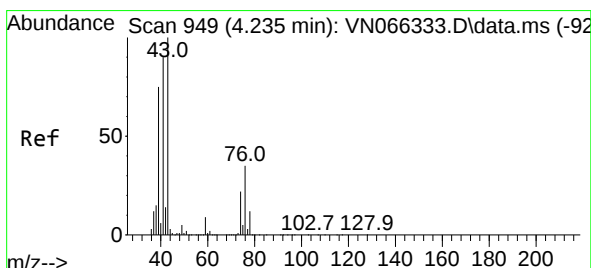
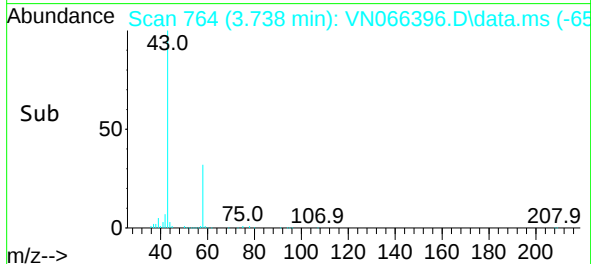
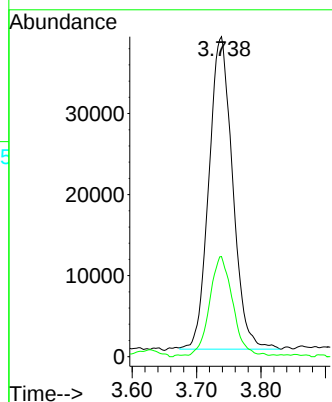
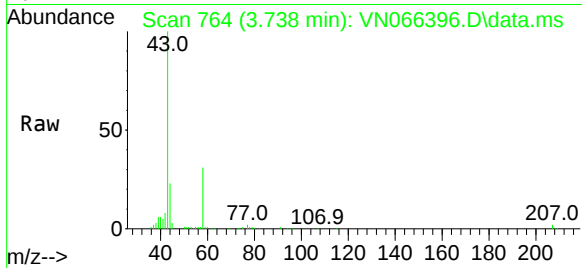




#16
Acetone
Concen: 32.44 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

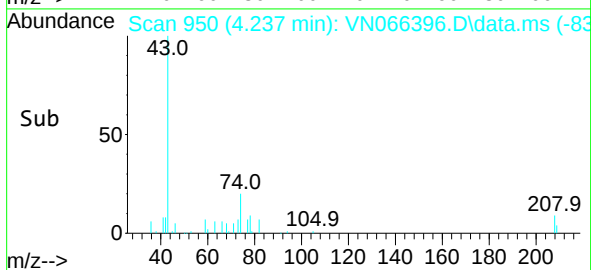
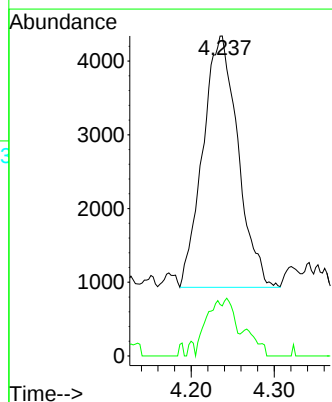
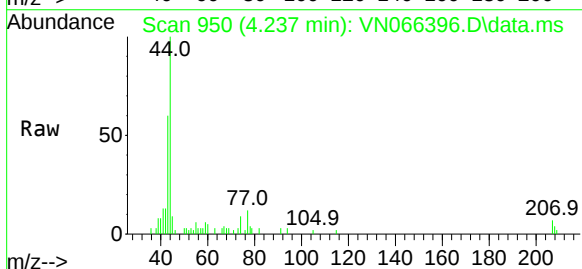
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

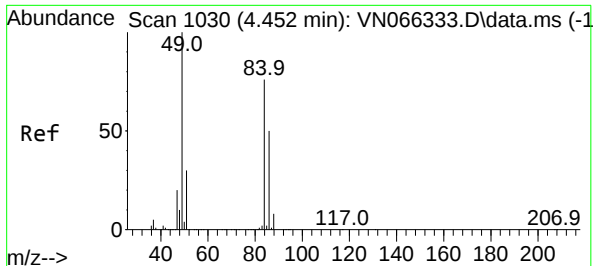
Tgt Ion: 43 Resp: 98593
Ion Ratio Lower Upper
43 100
58 31.6 23.8 35.8



#18
Methyl Acetate
Concen: 1.26 ug/l
RT: 4.237 min Scan# 950
Delta R.T. 0.003 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

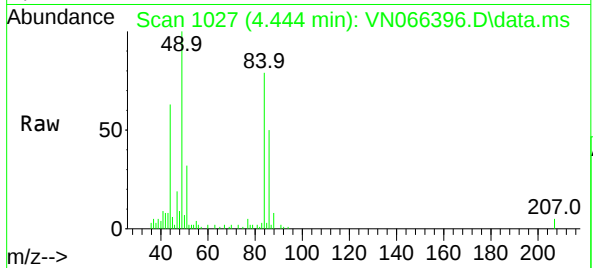
Tgt Ion: 43 Resp: 10012
Ion Ratio Lower Upper
43 100
74 10.4 17.6 26.4#



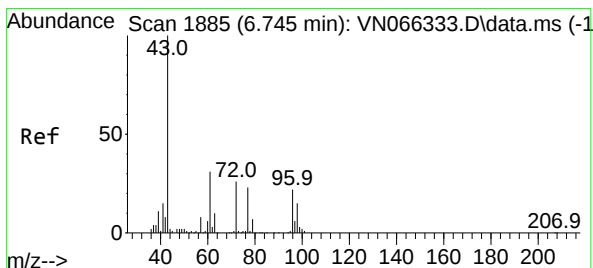
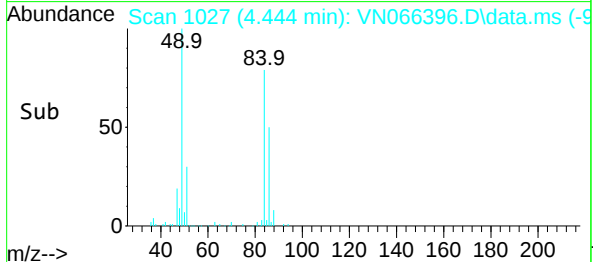
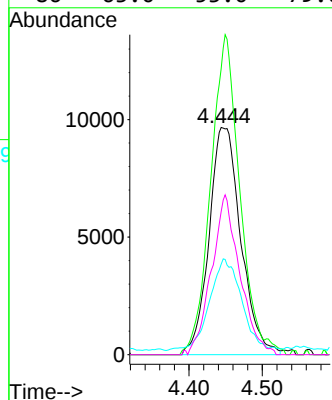


#20
Methylene Chloride
Concen: 4.20 ug/l
RT: 4.444 min Scan# 1027
Delta R.T. -0.008 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

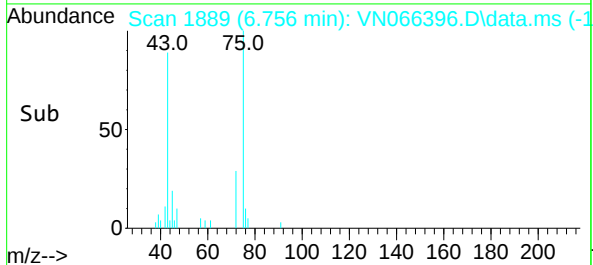
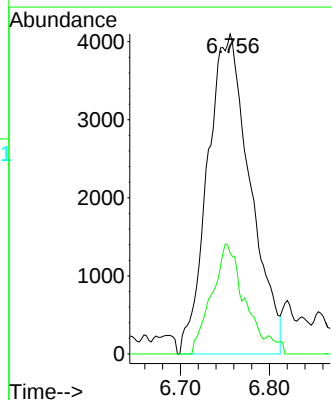
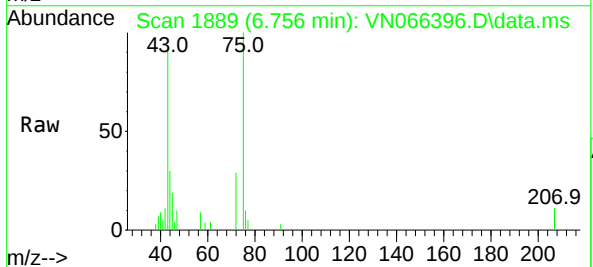


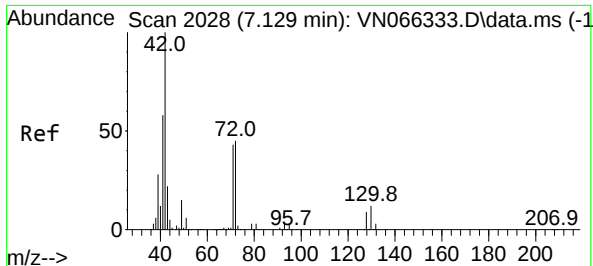
Tgt Ion:	84	Resp:	29050
Ion	Ratio	Lower	Upper
84	100		
49	125.9	105.0	157.6
51	37.2	31.6	47.4
86	63.0	53.0	79.6



#25
2-Butanone
Concen: 4.10 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.011 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion:	43	Resp:	13619
Ion	Ratio	Lower	Upper
43	100		
72	31.5	20.7	31.1#

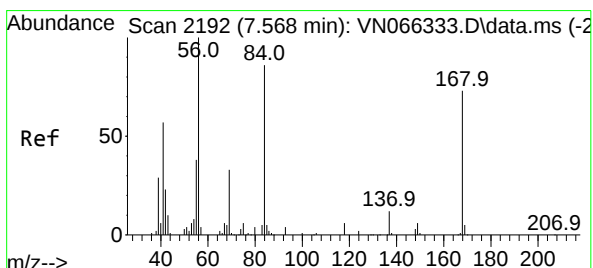
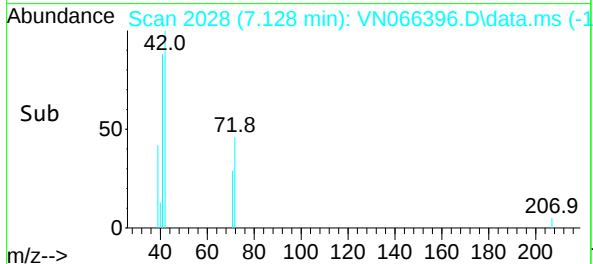
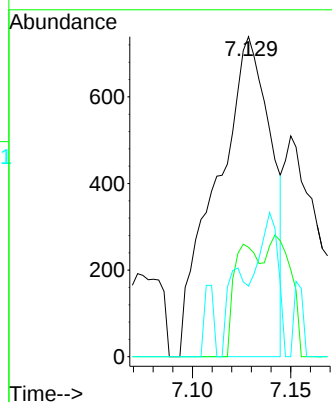
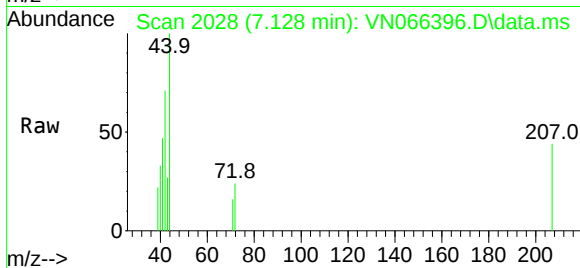




#29
Tetrahydrofuran
Concen: 0.66 ug/l
RT: 7.128 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

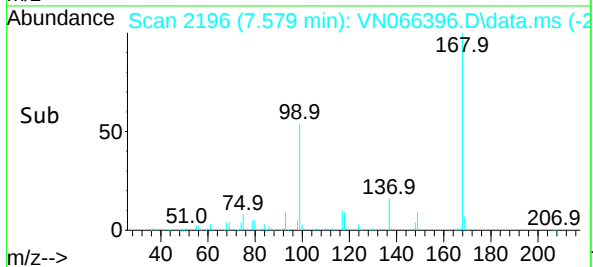
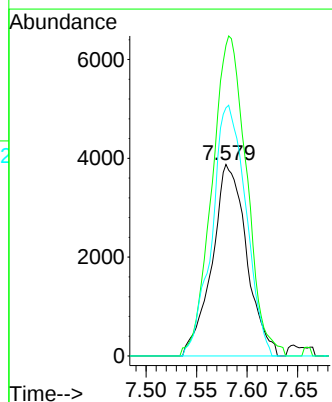
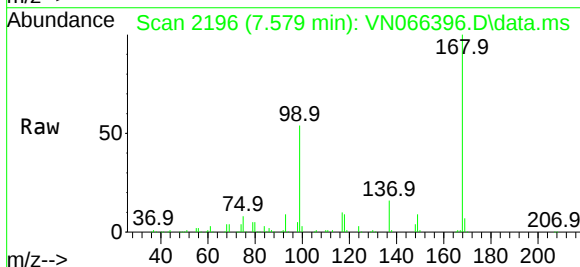
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

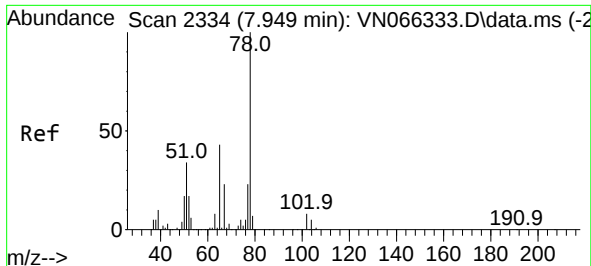
Tgt Ion: 42	Resp: 1423
Ion Ratio	Lower Upper
42 100	
72 15.7	35.2 52.8#
71 10.2	33.1 49.7#



#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.011 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion: 56	Resp: 9185		
Ion Ratio	Lower	Upper	
56	100		
69	162.2	26.6	40.0#
84	136.2	68.7	103.1#





#33

1,2-Dichloroethane-d4

Concen: 53.25 ug/l

RT: 7.947 min Scan# 2333

Delta R.T. -0.002 min

Lab File: VN066396.D

Acq: 29 Mar 2021 23:36

Tgt Ion: 65 Resp: 299586

Ion Ratio Lower Upper

65 100

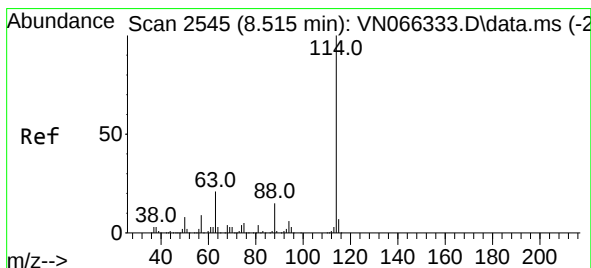
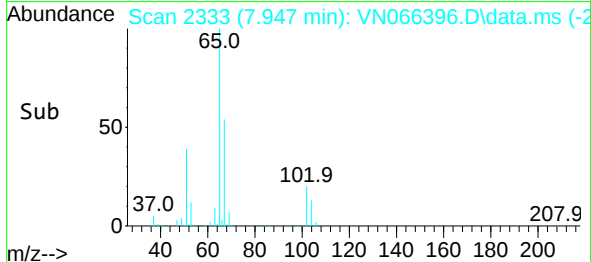
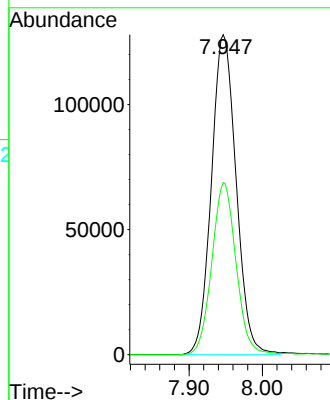
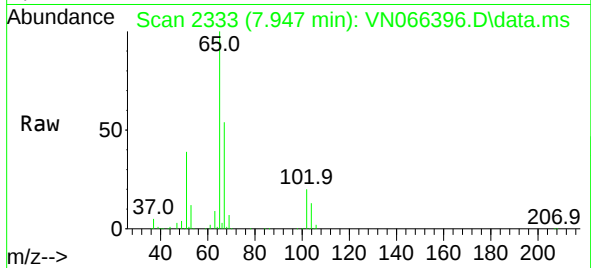
67 52.6 0.0 105.2

Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#03



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.512 min Scan# 2544

Delta R.T. -0.003 min

Lab File: VN066396.D

Acq: 29 Mar 2021 23:36

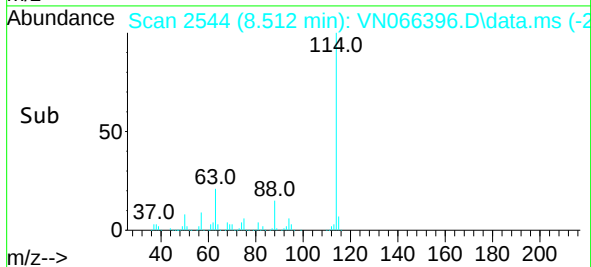
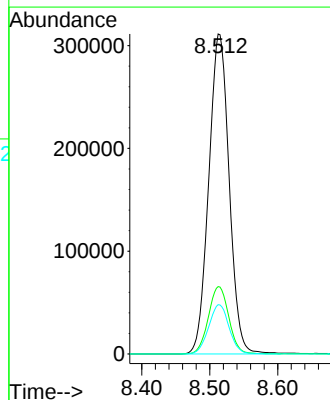
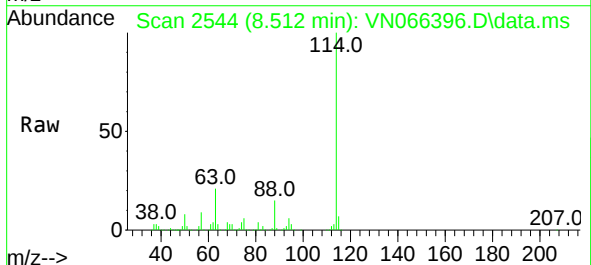
Tgt Ion:114 Resp: 649493

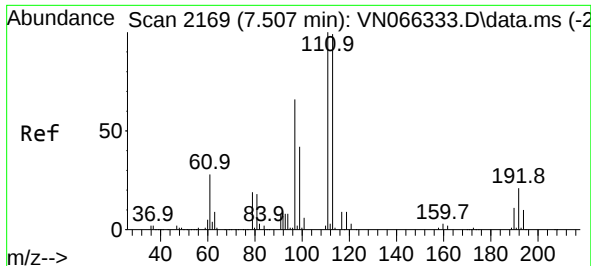
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

88 15.4 0.0 31.0

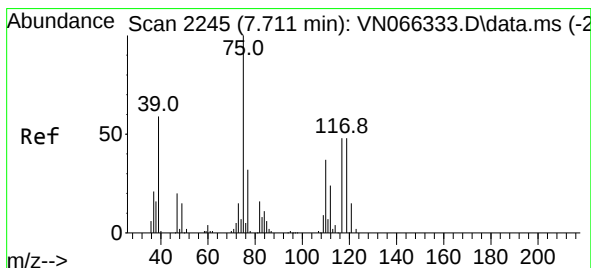
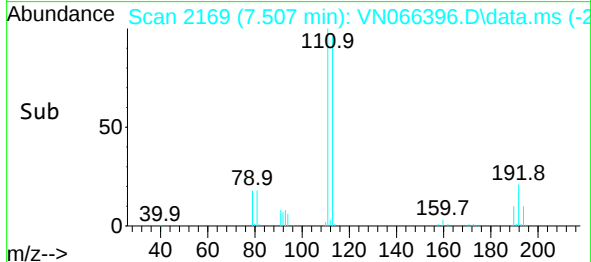
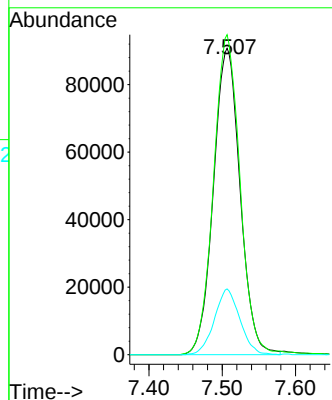
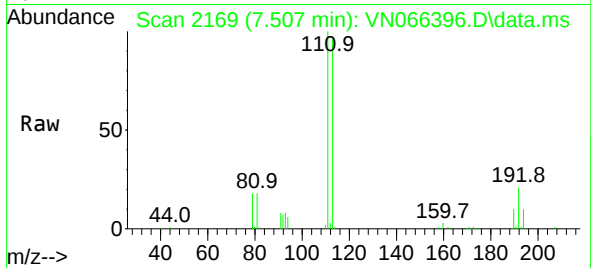




#35
Dibromofluoromethane
Concen: 53.26 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

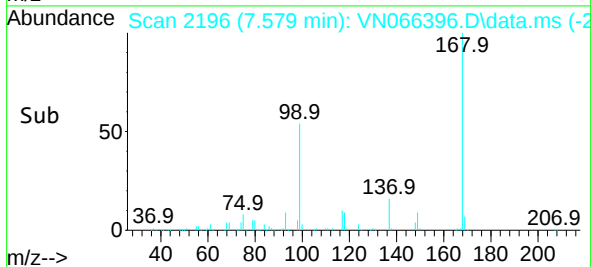
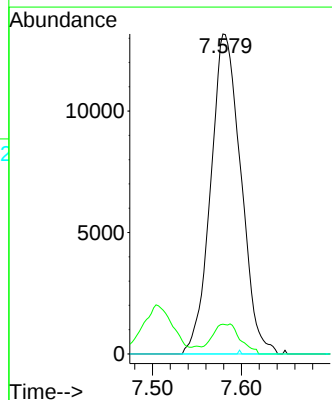
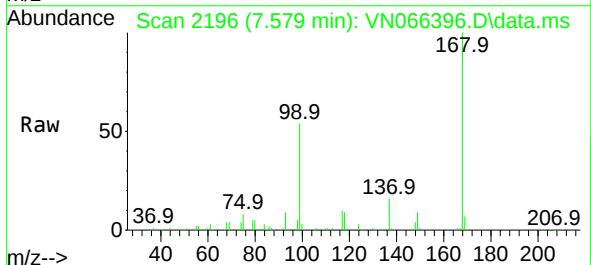
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

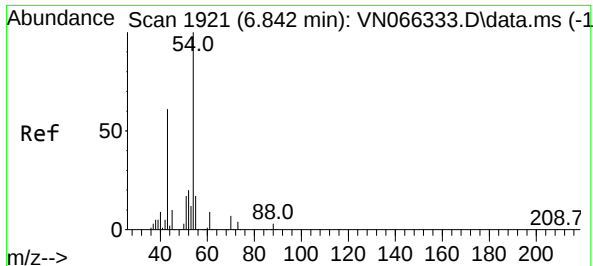
Tgt Ion:	113	Resp:	229331
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	20.5	17.1	25.7



#36
1,1-Dichloropropene
Concen: 5.09 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. -0.131 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion:	75	Resp:	31029
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.3#
77	0.1	25.0	37.4#





#37

Ethyl Acetate

Concen: 2.03 ug/l

RT: 6.756 min Scan# 1889

Delta R.T. -0.086 min

Lab File: VN066396.D

Acq: 29 Mar 2021 23:36

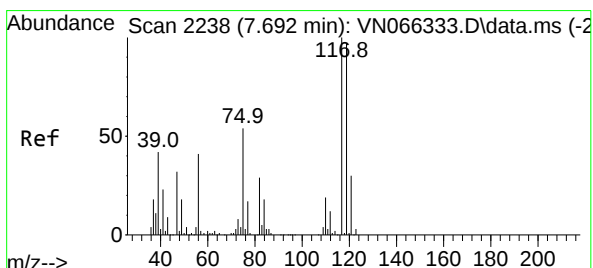
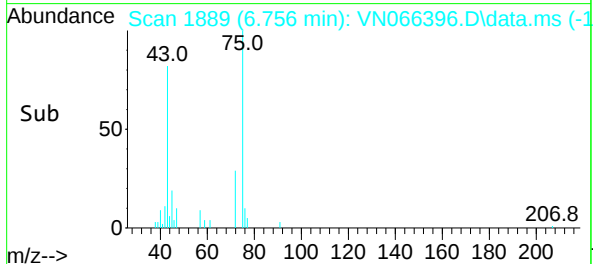
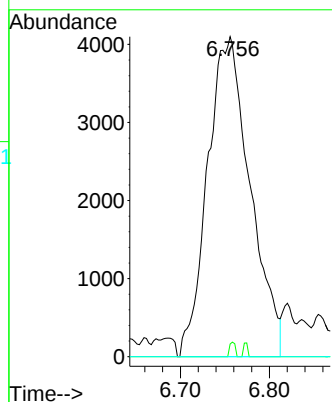
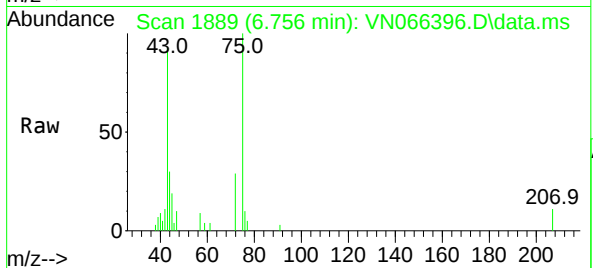
Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#03

Tgt Ion: 43	Resp: 13619
Ion Ratio	Lower Upper
43 100	
61 0.6	11.1 16.7#
70 0.0	8.0 12.0#



#38

Carbon Tetrachloride

Concen: 6.40 ug/l

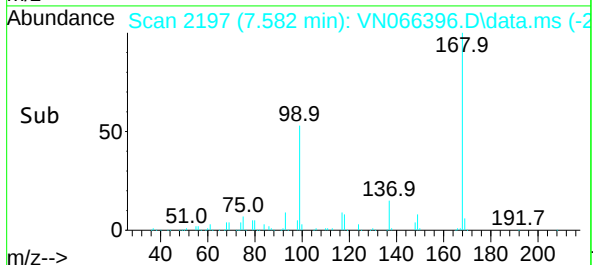
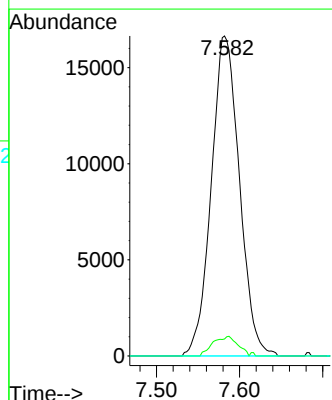
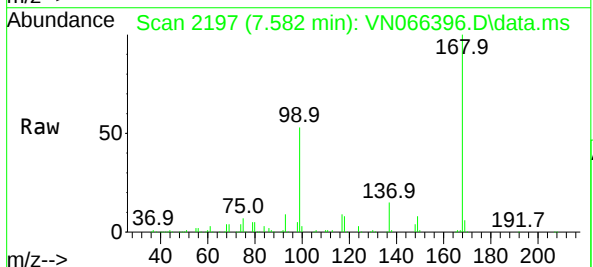
RT: 7.582 min Scan# 2197

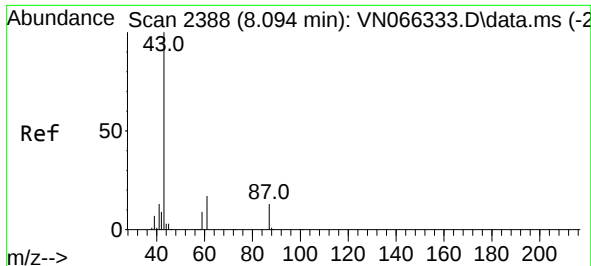
Delta R.T. -0.110 min

Lab File: VN066396.D

Acq: 29 Mar 2021 23:36

Tgt Ion: 117	Resp: 39243
Ion Ratio	Lower Upper
117 100	
119 5.3	77.2 115.8#
121 0.0	24.2 36.4#

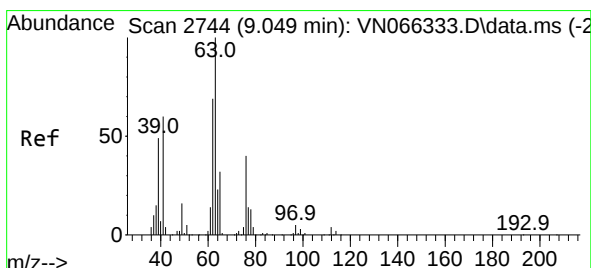
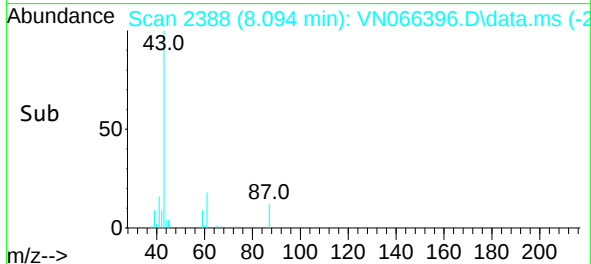
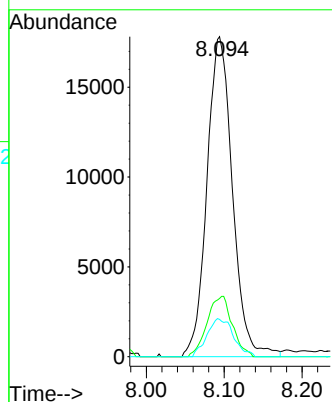
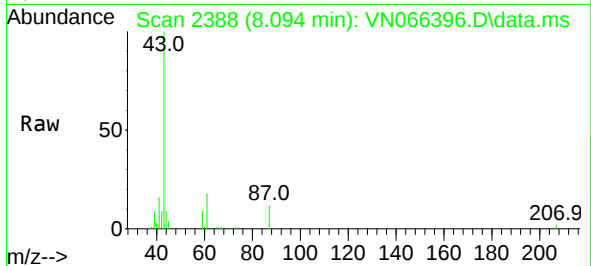




#43
Isopropyl Acetate
Concen: 3.53 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. -0.000 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

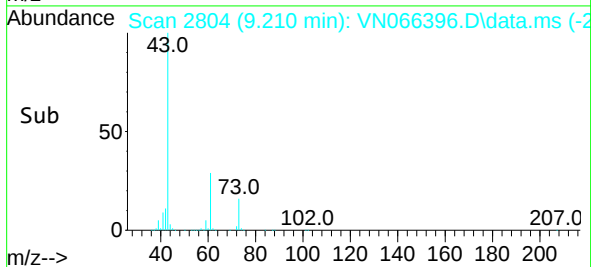
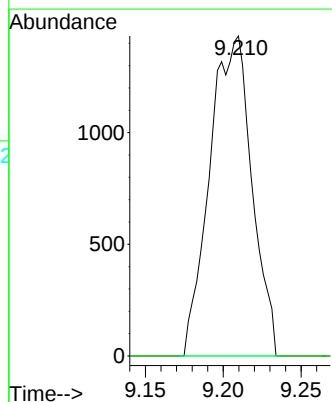
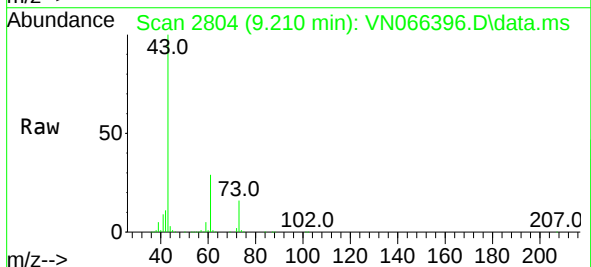
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

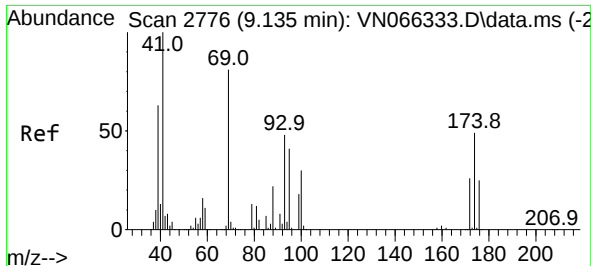
Tgt Ion:	43	Resp:	40553
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.5	23.3
87	12.4	10.5	15.7



#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 9.210 min Scan# 2804
Delta R.T. 0.161 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion:	63	Resp:	2702
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#

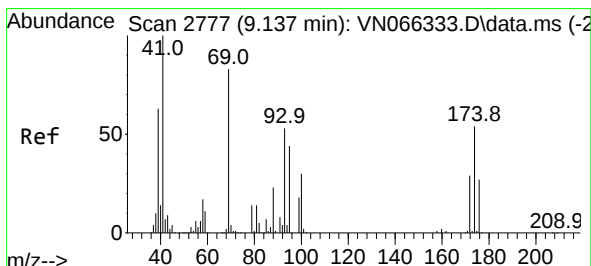
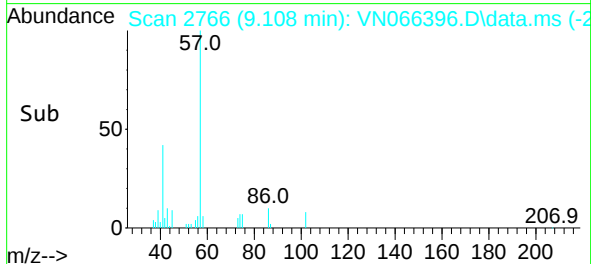
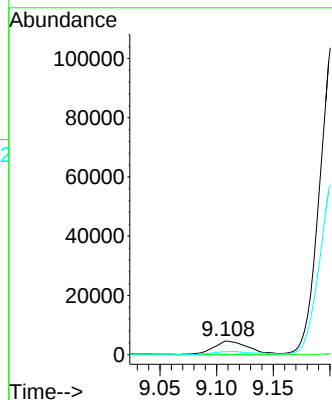
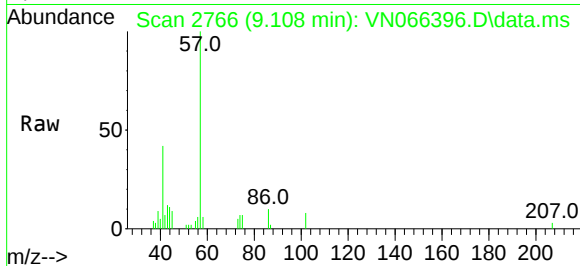




#48
Methyl methacrylate
Concen: 1.83 ug/l
RT: 9.108 min Scan# 2766
Delta R.T. -0.027 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

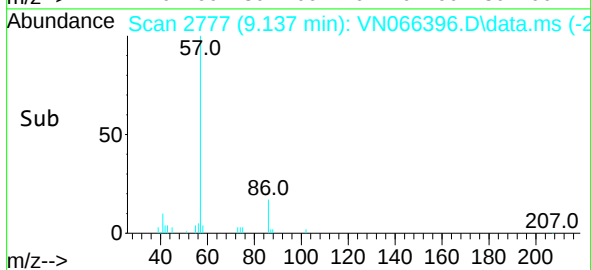
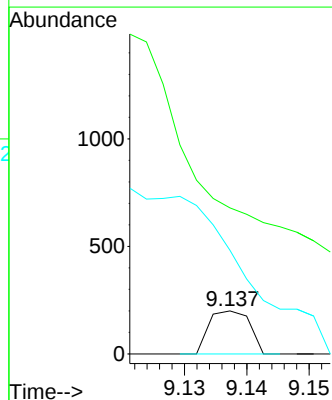
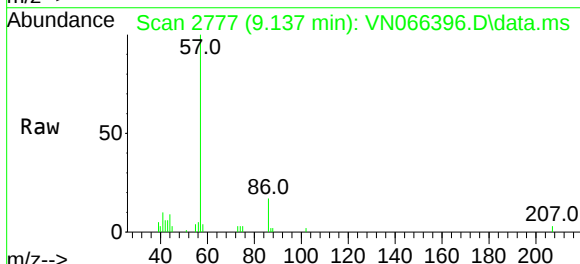
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

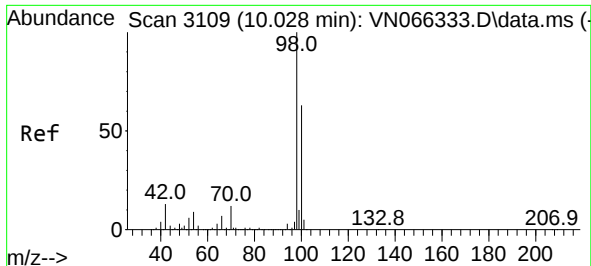
Tgt Ion: 41 Resp: 9979
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 1.31 ug/l
RT: 9.137 min Scan# 2777
Delta R.T. -0.000 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 56.6 84.8#

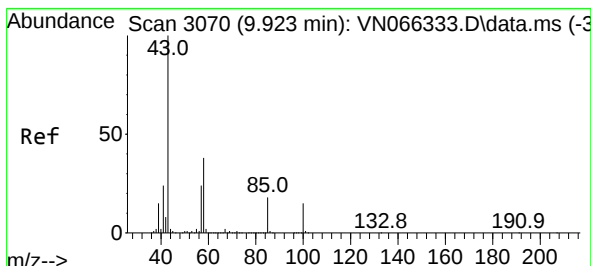
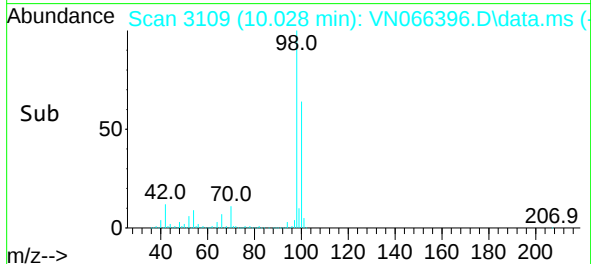
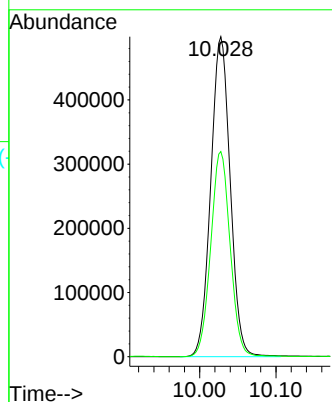
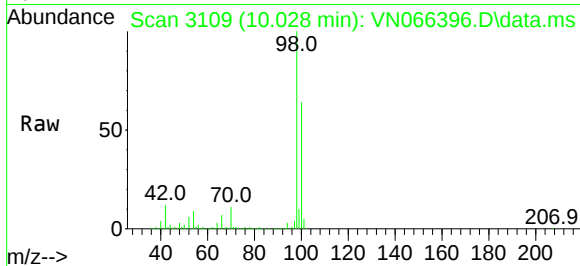




#50
Toluene-d8
Concen: 54.05 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

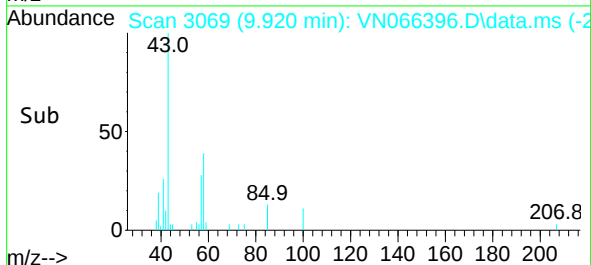
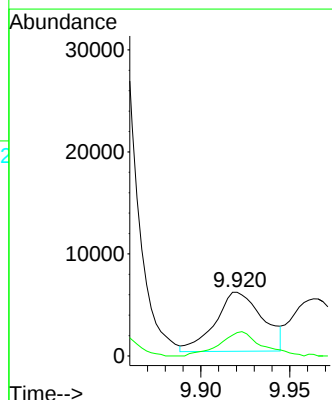
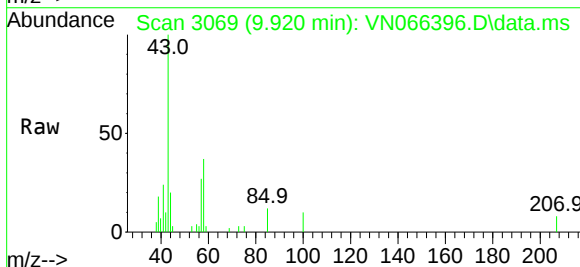
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

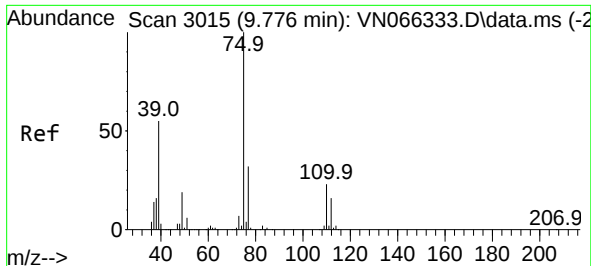
Tgt Ion: 98 Resp: 882749
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.60 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. -0.003 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

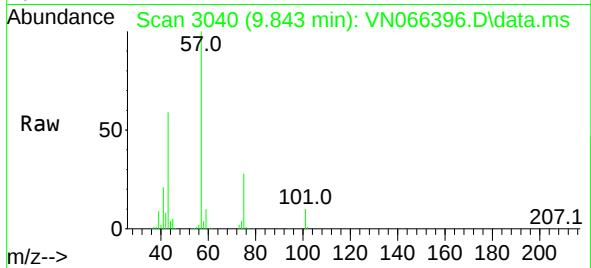
Tgt Ion: 43 Resp: 10759
Ion Ratio Lower Upper
43 100
58 35.8 30.8 46.2



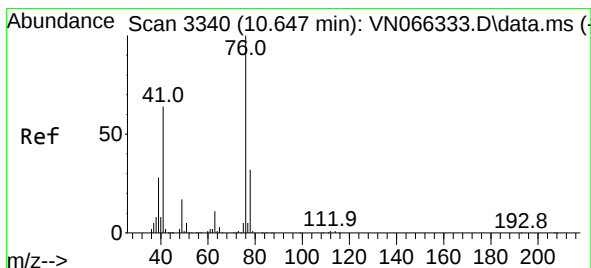
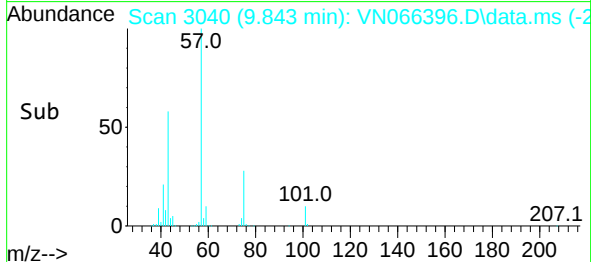
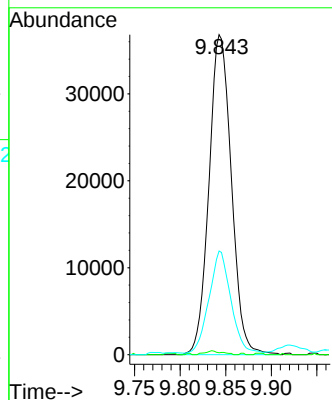


#54
 cis-1,3-Dichloropropene
 Concen: 8.12 ug/l
 RT: 9.843 min Scan# 3040
 Delta R.T. 0.067 min
 Lab File: VN066396.D
 Acq: 29 Mar 2021 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#03

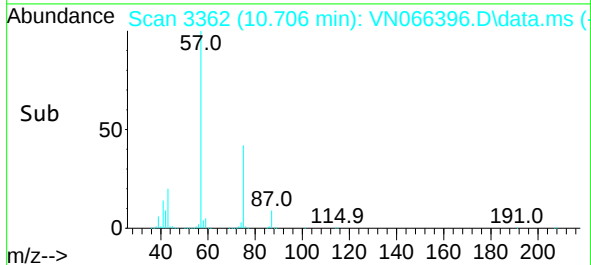
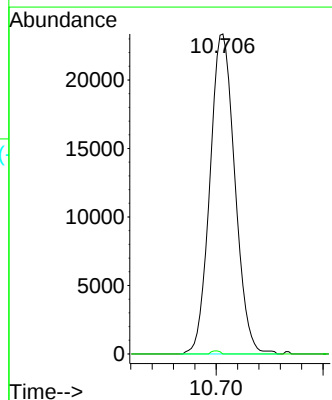
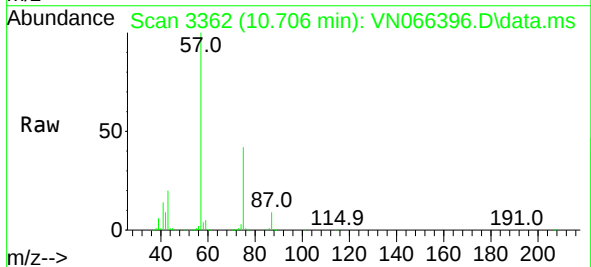


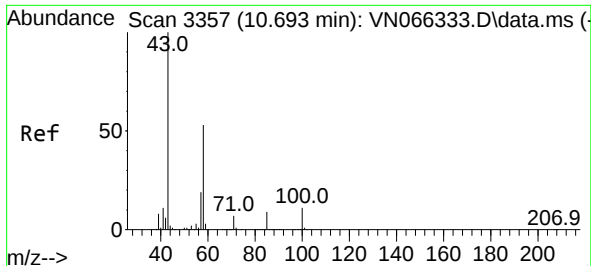
Tgt Ion: 75 Resp: 62924
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.2#
 39 31.8 44.2 66.4#



#57
 1,3-Dichloropropane
 Concen: 5.02 ug/l
 RT: 10.706 min Scan# 3362
 Delta R.T. 0.059 min
 Lab File: VN066396.D
 Acq: 29 Mar 2021 23:36

Tgt Ion: 76 Resp: 37879
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.9 38.9#

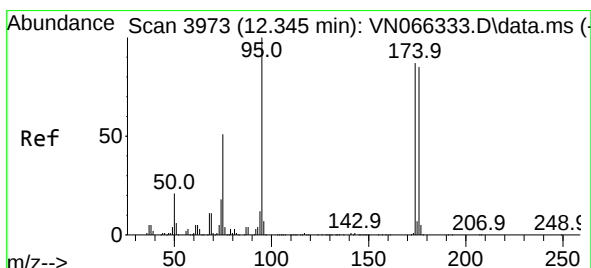
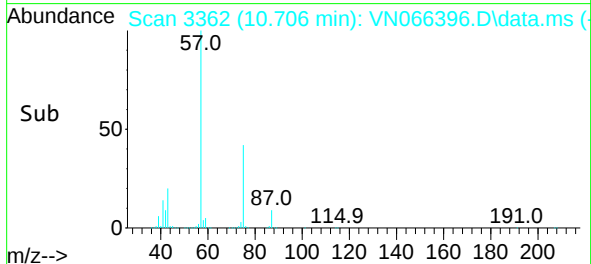
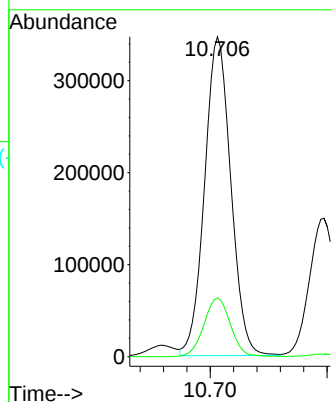
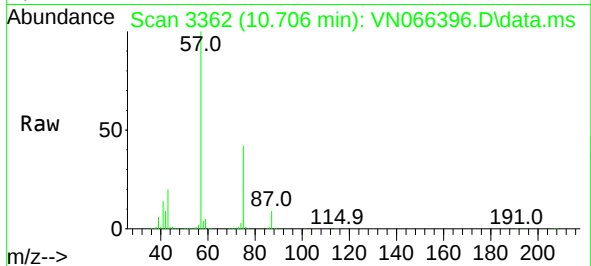




#59
2-Hexanone
Concen: 114.81 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

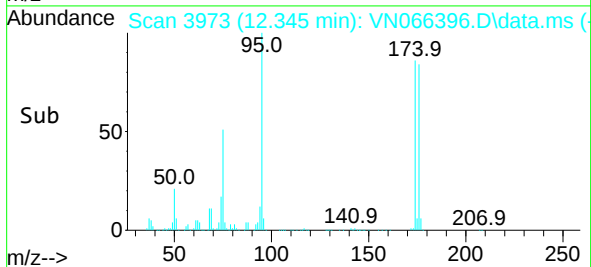
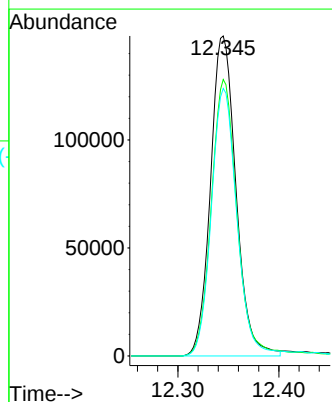
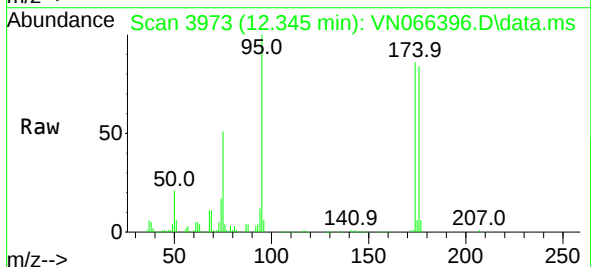
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

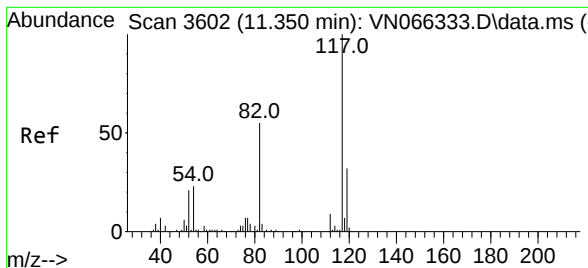
Tgt Ion: 43 Resp: 539598
Ion Ratio Lower Upper
43 100
58 18.8 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 45.75 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion: 95 Resp: 259536
Ion Ratio Lower Upper
95 100
174 87.0 0.0 172.2
176 84.1 0.0 167.8

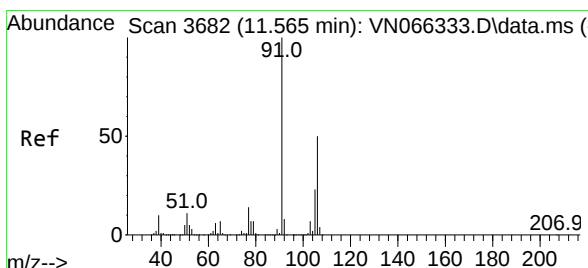
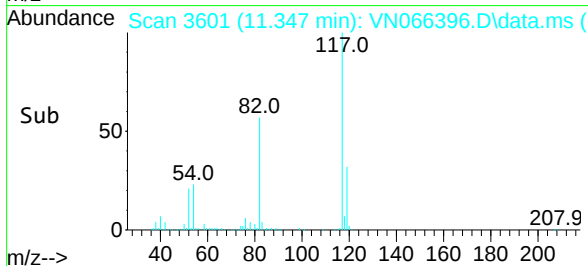
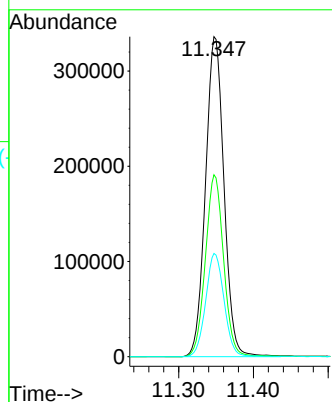
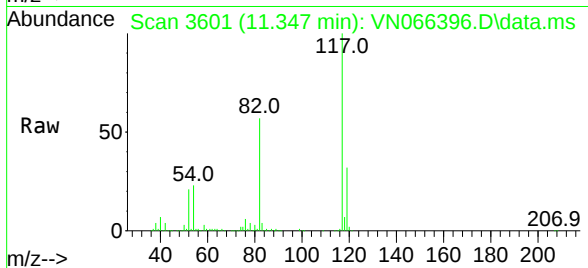




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

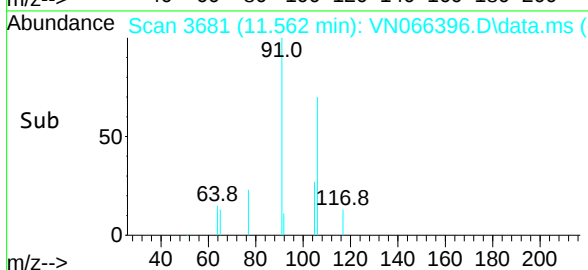
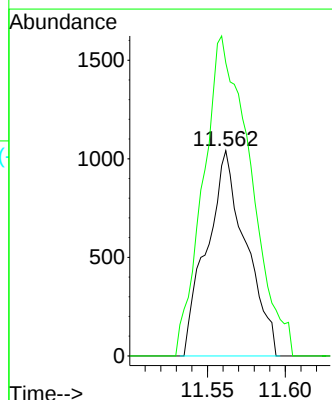
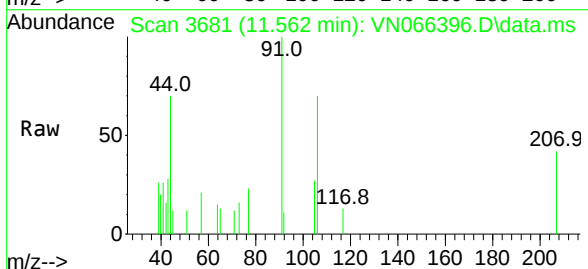
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

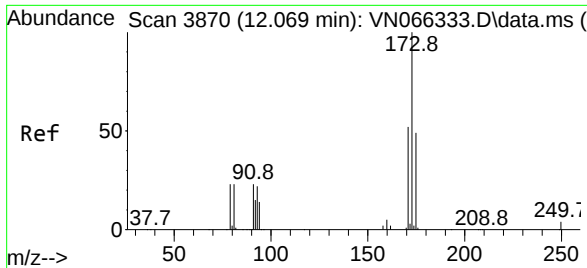
Tgt Ion:117 Resp: 577423
Ion Ratio Lower Upper
117 100
82 56.9 44.2 66.4
119 32.3 25.8 38.6



#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 11.562 min Scan# 3681
Delta R.T. -0.003 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion:106 Resp: 1813
Ion Ratio Lower Upper
106 100
91 189.1 162.7 244.1

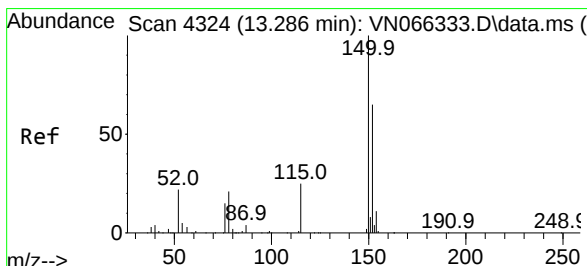
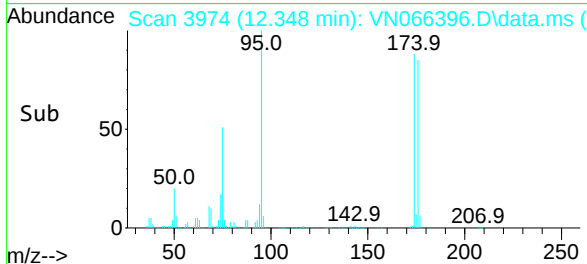
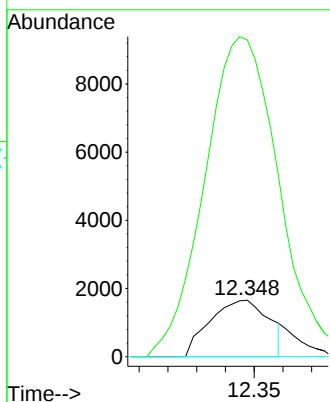
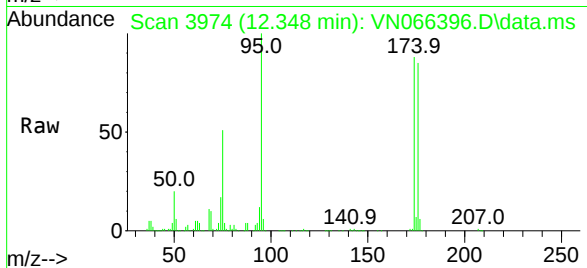




#71
Bromoform
Concen: 0.64 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.279 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

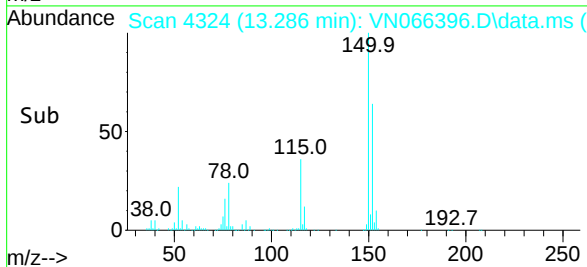
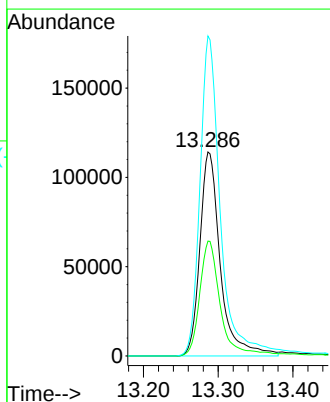
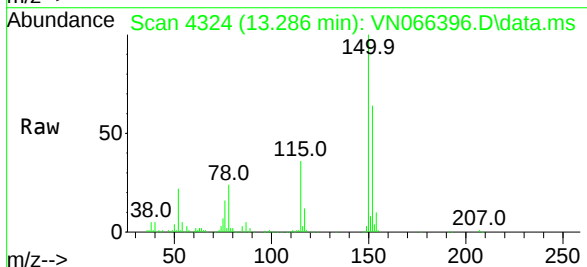
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

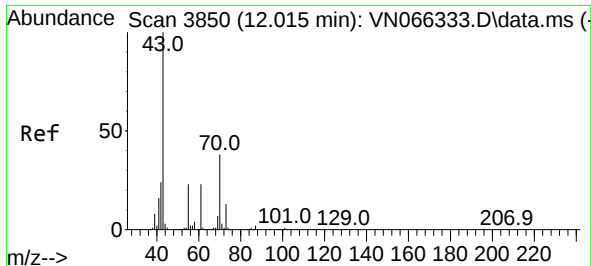
Tgt Ion:173 Resp: 2358
Ion Ratio Lower Upper
173 100
175 624.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion:152 Resp: 218095
Ion Ratio Lower Upper
152 100
115 56.9 27.8 83.4
150 158.9 0.0 348.4

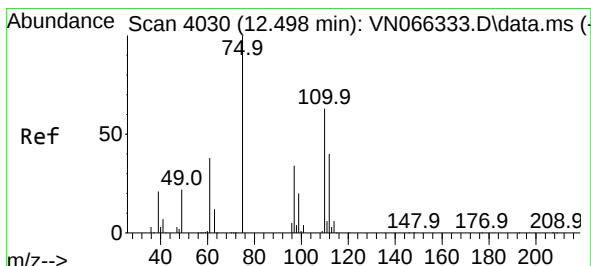
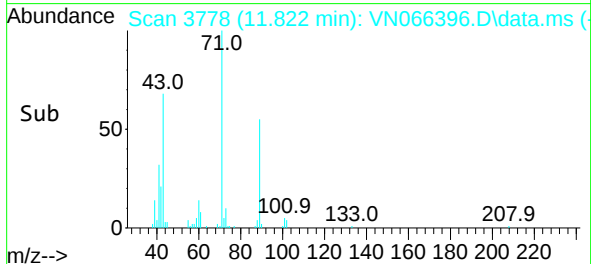
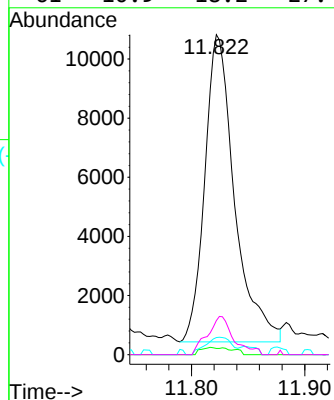
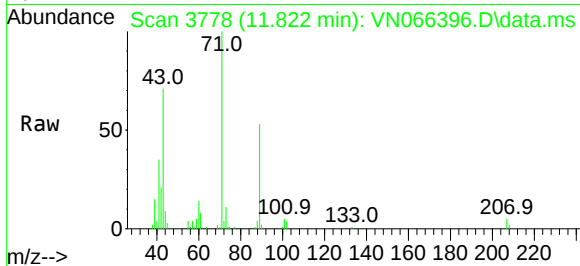




#74
N-amy1 acetate
Concen: 5.97 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

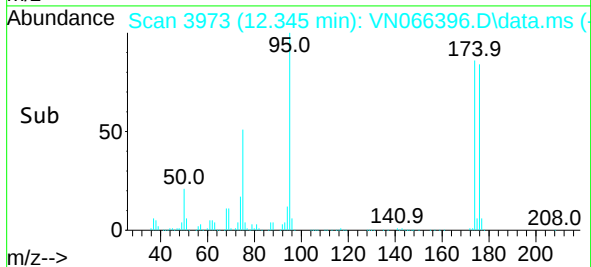
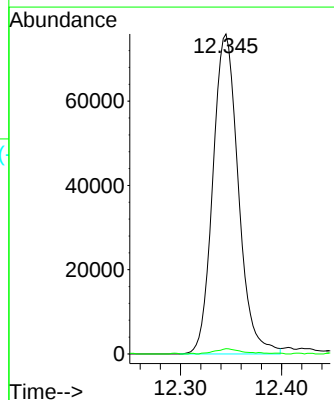
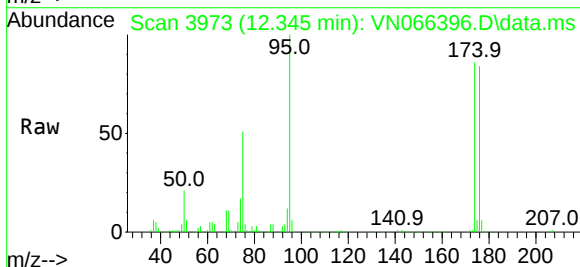
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

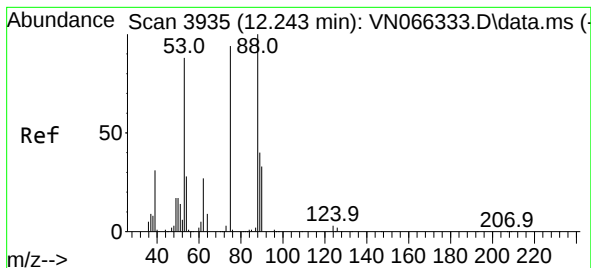
Tgt Ion: 43	Resp: 18945
Ion Ratio	Lower Upper
43 100	
70 1.2	31.2 46.8#
55 5.0	18.6 28.0#
61 10.9	18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 27.77 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion: 75	Resp: 132903
Ion Ratio	Lower Upper
75 100	
77 1.6	0.0 0.0#

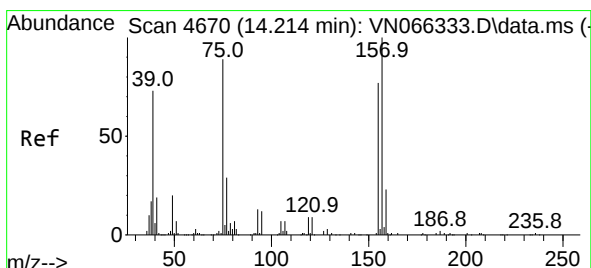
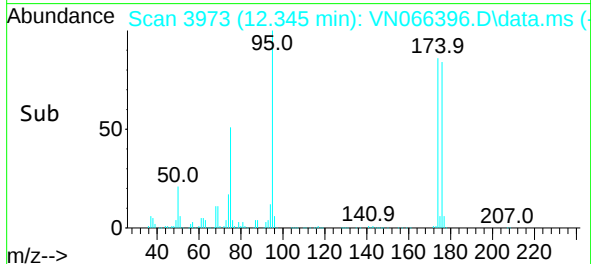
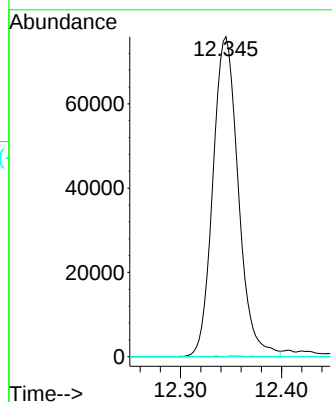
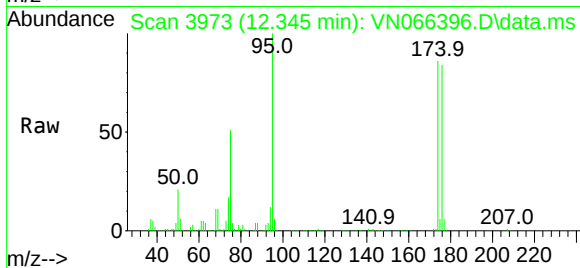




#81
trans-1,4-Dichloro-2-butene
Concen: 83.52 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

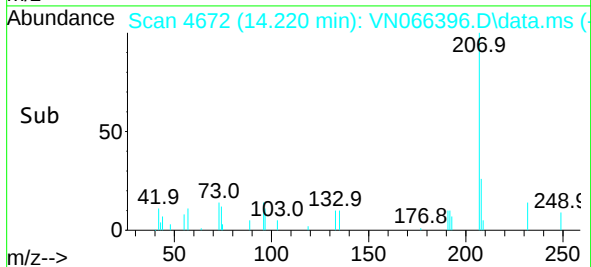
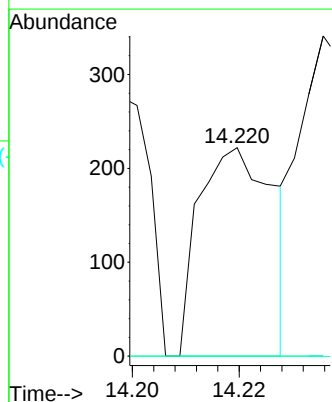
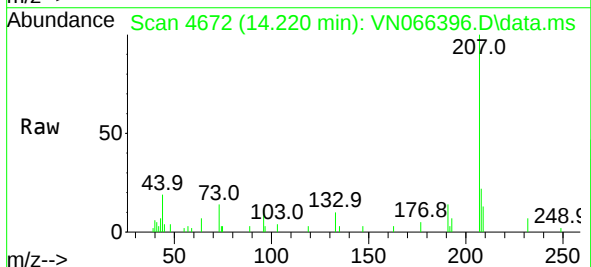
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

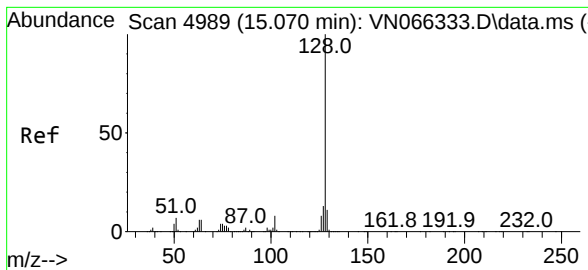
Tgt Ion: 75 Resp: 132903
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.22 ug/l
RT: 14.220 min Scan# 4672
Delta R.T. 0.005 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#





#95
Naphthalene
Concen: 1.17 ug/l
RT: 15.078 min Scan# 4992
Delta R.T. 0.008 min
Lab File: VN066396.D
Acq: 29 Mar 2021 23:36

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#03

Tgt Ion:	128	Resp:	1605
Ion	Ratio	Lower	Upper
128	100		
127	7.3	10.5	15.7#
129	5.9	8.5	12.7#

