

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066401.D
 Acq On : 30 Mar 2021 1:34
 Operator : JC/MD
 Sample : PB135367ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#08

Quant Time: Mar 30 07:08:01 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)

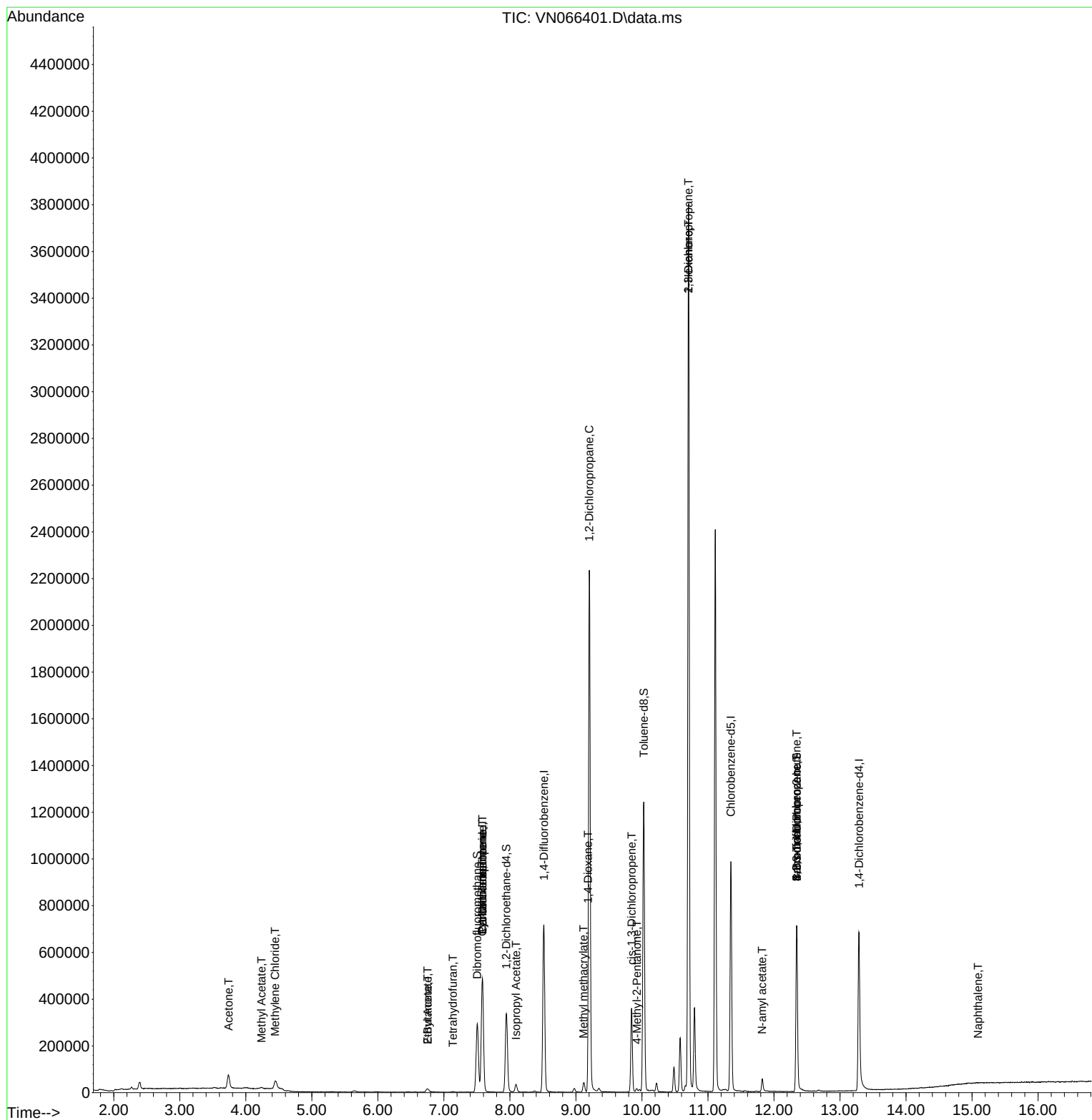
Internal Standards						
1) Pentafluorobenzene	7.585	168	412720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	629655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	546102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	214083	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	285041	51.95	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.90%			
35) Dibromofluoromethane	7.507	113	220392	52.80	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.60%			
50) Toluene-d8	10.028	98	838288	52.95	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.90%			
62) 4-Bromofluorobenzene	12.345	95	240655	43.76	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.52%			
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	3044	Below Cal	#	80
13) Acrolein	3.535	56	3797	Below Cal		87
16) Acetone	3.739	43	92564	31.23	ug/l	95
18) Methyl Acetate	4.237	43	9212	1.19	ug/l #	66
20) Methylene Chloride	4.444	84	22652	3.08	ug/l	97
25) 2-Butanone	6.753	43	12771	3.94	ug/l	97
29) Tetrahydrofuran	7.137	42	466	0.22	ug/l #	72
31) Cyclohexane	7.582	56	8729	1.15	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	30770	5.20	ug/l #	47
37) Ethyl Acetate	6.753	43	12771	1.96	ug/l #	69
38) Carbon Tetrachloride	7.585	117	37232	6.26	ug/l #	17
43) Isopropyl Acetate	8.094	43	41433	3.72	ug/l	99
45) 1,2-Dichloropropane	9.202	63	2718	0.57	ug/l #	43
48) Methyl methacrylate	9.116	41	9171	1.73	ug/l #	12
49) 1,4-Dioxane	9.186	88	56	0.84	ug/l #	23
51) 4-Methyl-2-Pentanone	9.923	43	10171	1.56	ug/l	93
54) cis-1,3-Dichloropropene	9.845	75	62764	8.35	ug/l #	59
57) 1,3-Dichloropropane	10.706	76	37423	5.11	ug/l #	43
59) 2-Hexanone	10.706	43	536329	117.71	ug/l #	52
71) Bromoform	12.345	173	2256	0.65	ug/l #	1
74) N-amyl acetate	11.822	43	19511	6.11	ug/l #	55
76) 1,2,3-Trichloropropane	12.345	75	124207	26.44	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	124207	79.51	ug/l #	12
95) Naphthalene	15.091	128	1223	1.14	ug/l #	69

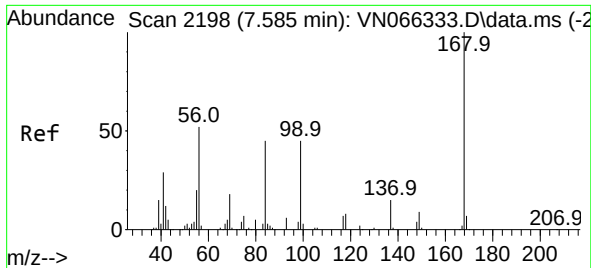
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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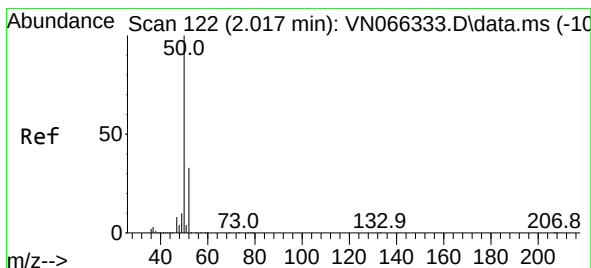
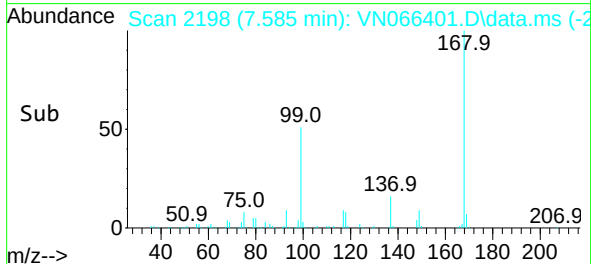
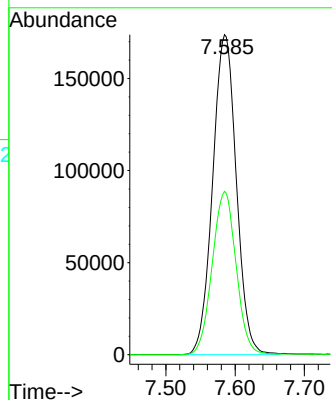
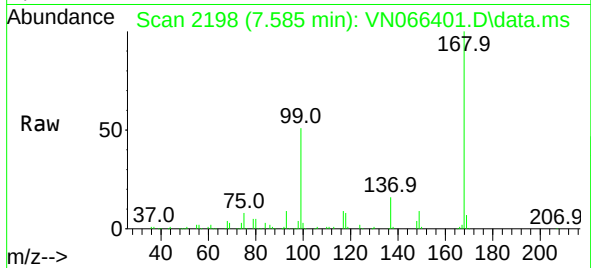




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

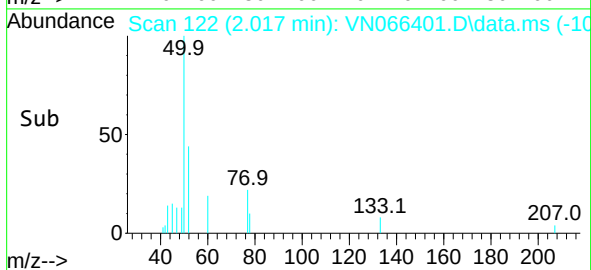
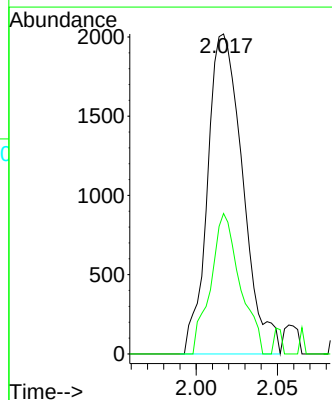
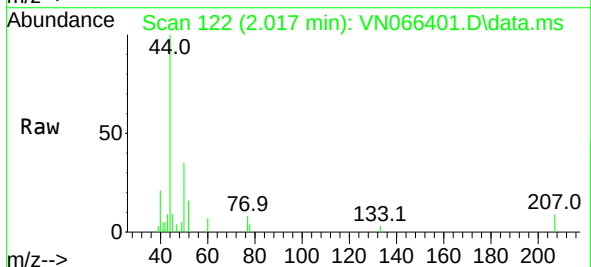
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

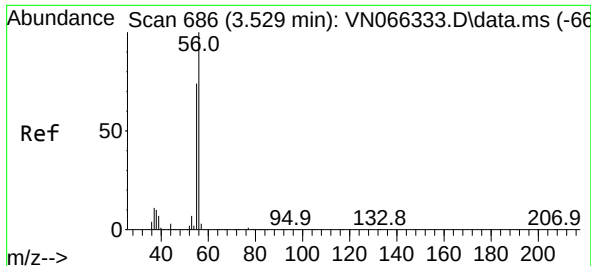
Tgt Ion:168 Resp: 412720
Ion Ratio Lower Upper
168 100
99 51.0 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 50 Resp: 3044
Ion Ratio Lower Upper
50 100
52 43.9 26.2 39.2#

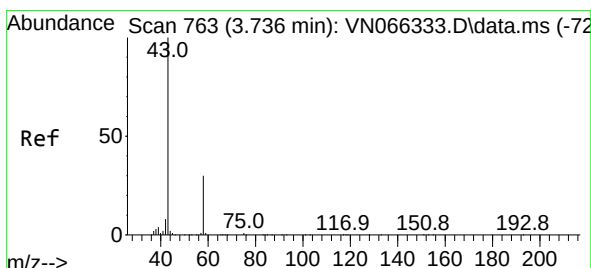
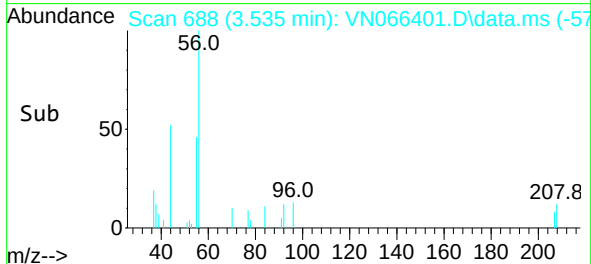
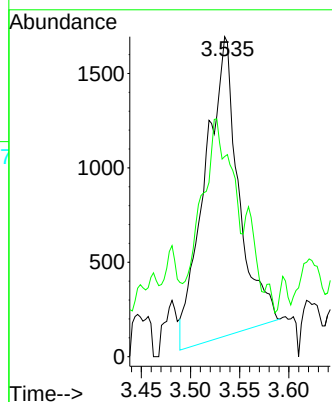
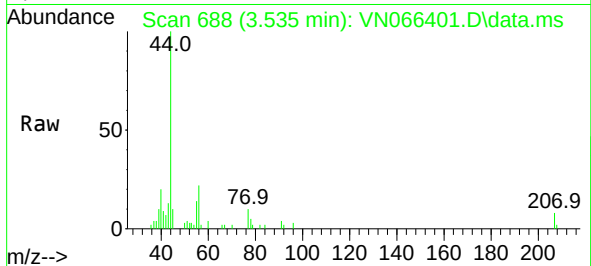




#13
Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.006 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

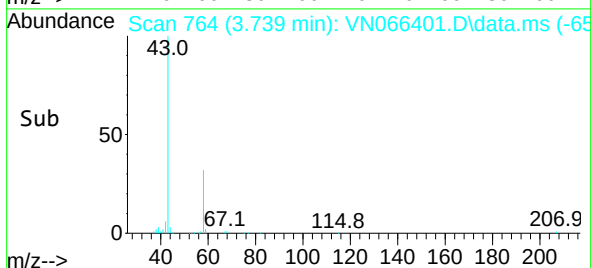
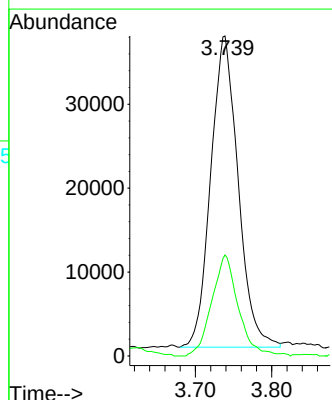
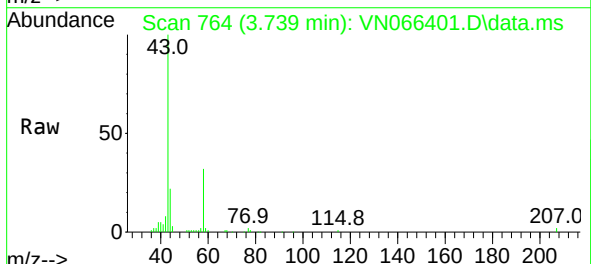
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

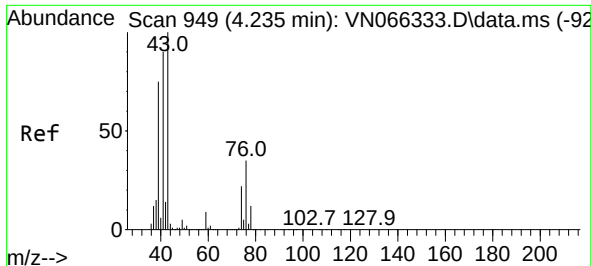
Tgt Ion: 56 Resp: 3797
Ion Ratio Lower Upper
56 100
55 61.2 57.9 86.9



#16
Acetone
Concen: 31.23 ug/l
RT: 3.739 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 43 Resp: 92564
Ion Ratio Lower Upper
43 100
58 32.4 23.8 35.8

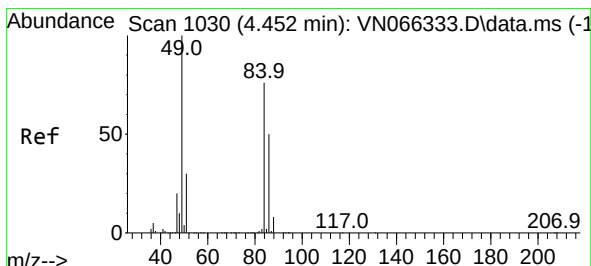
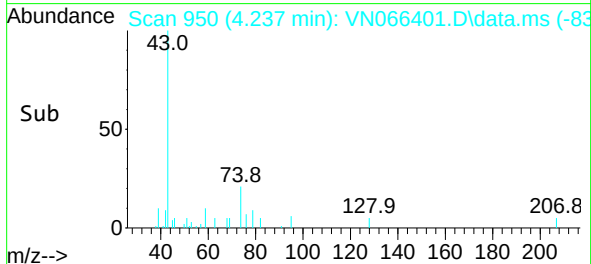
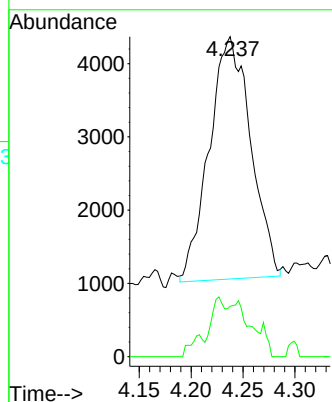
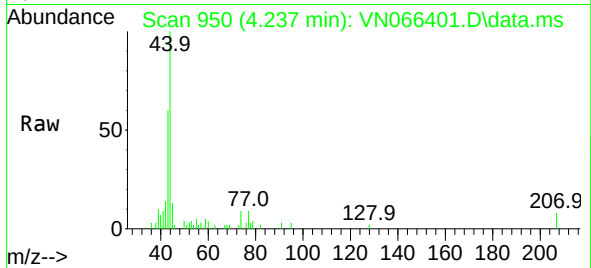




#18
Methyl Acetate
Concen: 1.19 ug/l
RT: 4.237 min Scan# 950
Delta R.T. 0.003 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

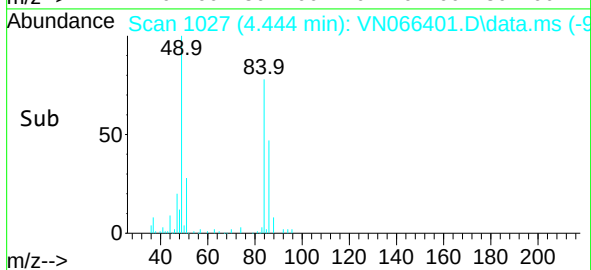
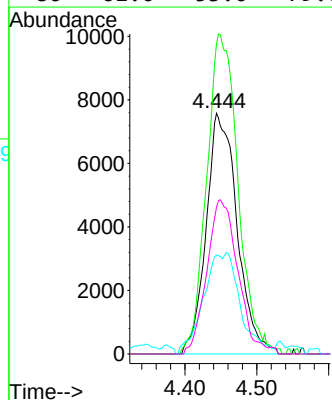
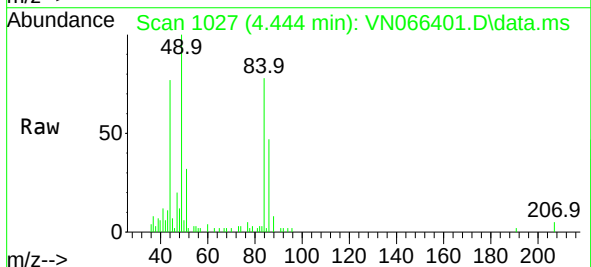
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

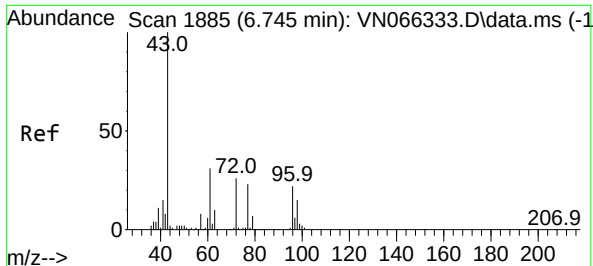
Tgt Ion: 43 Resp: 9212
Ion Ratio Lower Upper
43 100
74 6.0 17.6 26.4#



#20
Methylene Chloride
Concen: 3.08 ug/l
RT: 4.444 min Scan# 1027
Delta R.T. -0.008 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 84 Resp: 22652
Ion Ratio Lower Upper
84 100
49 128.9 105.0 157.6
51 38.4 31.6 47.4
86 61.0 53.0 79.6





#25

2-Butanone

Concen: 3.94 ug/l

RT: 6.753 min Scan# 1888

Delta R.T. 0.008 min

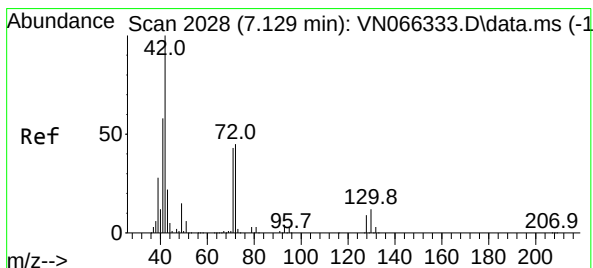
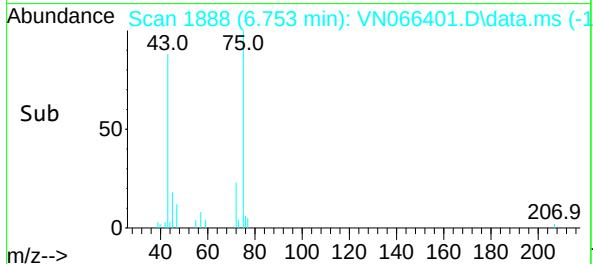
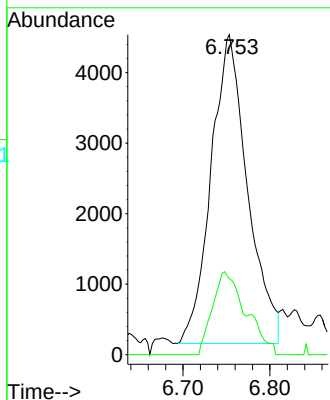
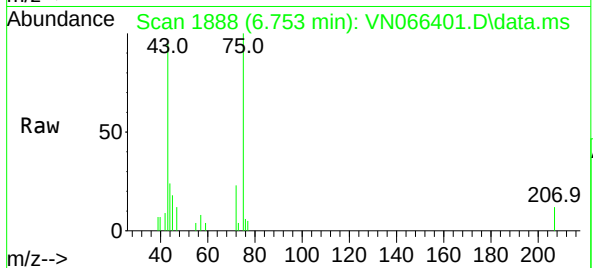
Lab File: VN066401.D

Acq: 30 Mar 2021 1:34

Tgt Ion: 43 Resp: 12771

Ion Ratio Lower Upper

43	100		
72	24.6	20.7	31.1



#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.137 min Scan# 2031

Delta R.T. 0.008 min

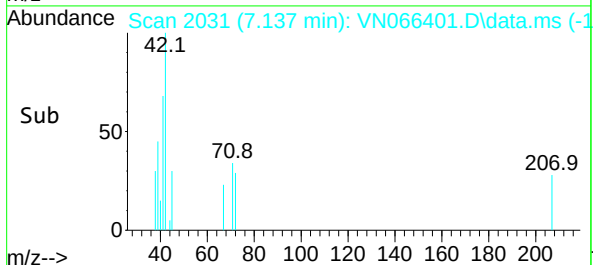
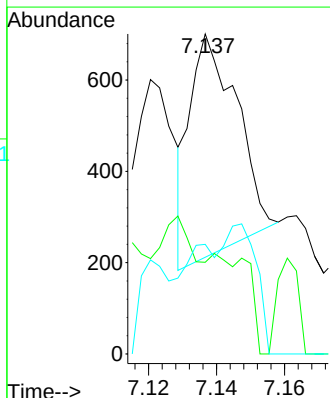
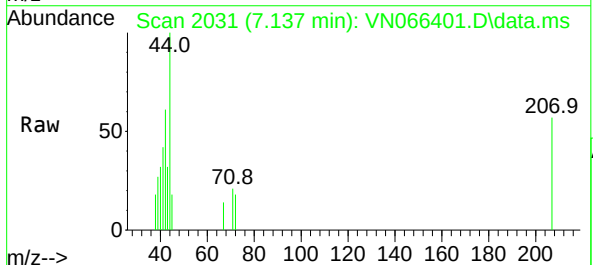
Lab File: VN066401.D

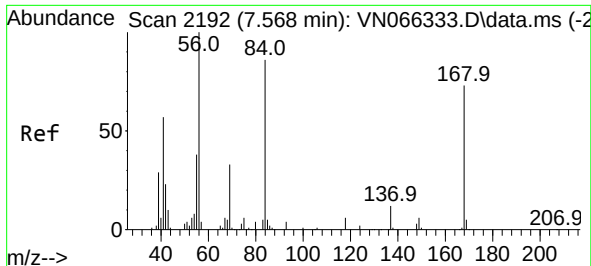
Acq: 30 Mar 2021 1:34

Tgt Ion: 42 Resp: 466

Ion Ratio Lower Upper

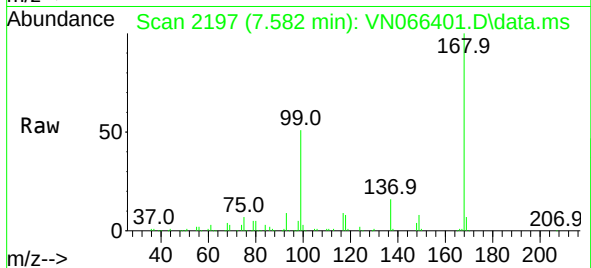
42	100		
72	19.7	35.2	52.8#
71	30.5	33.1	49.7#



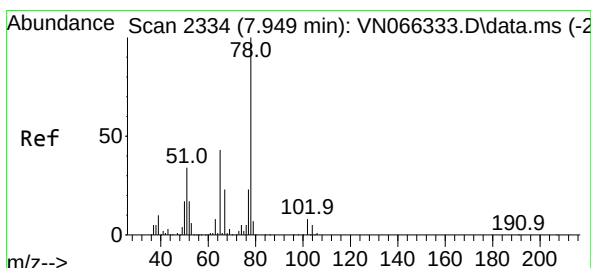
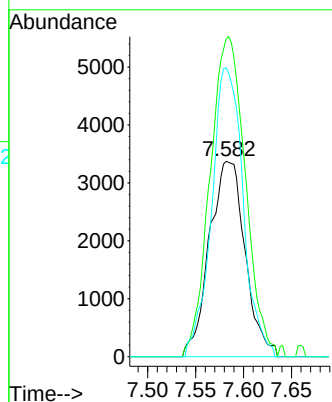
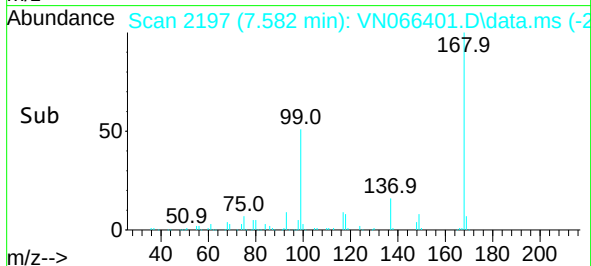


#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.013 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

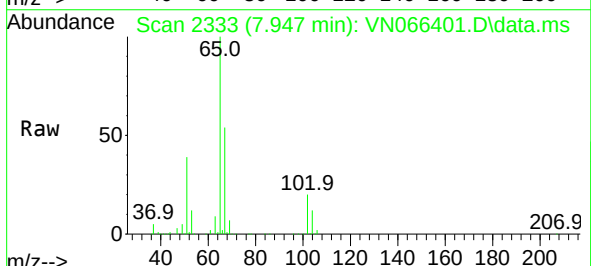
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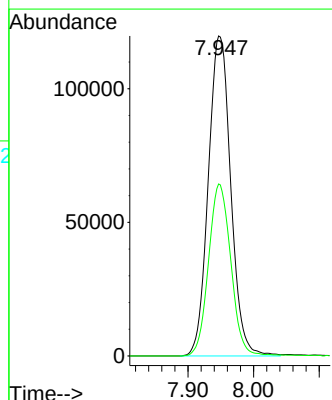
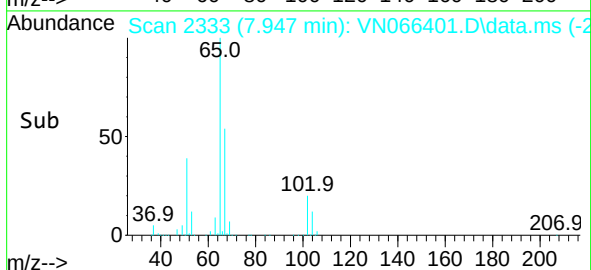
Tgt Ion: 56 Resp: 8729
Ion Ratio Lower Upper
56 100
69 162.5 26.6 40.0#
84 147.9 68.7 103.1#

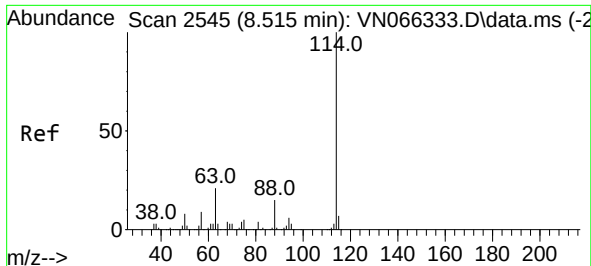


#33
1,2-Dichloroethane-d4
Concen: 51.95 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. -0.002 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34



Tgt Ion: 65 Resp: 285041
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2

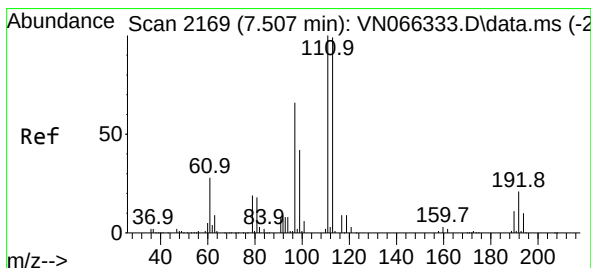
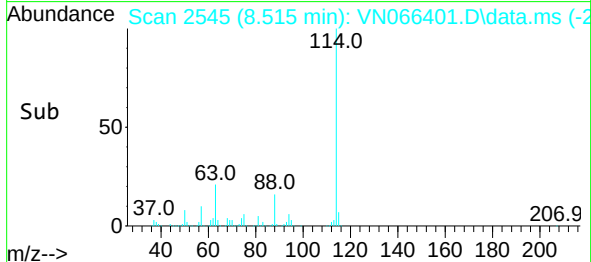
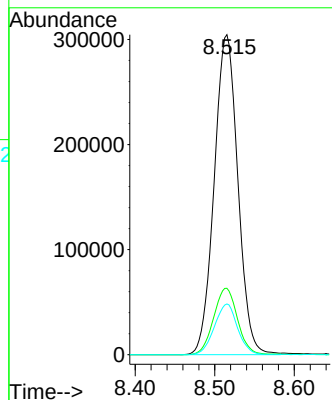
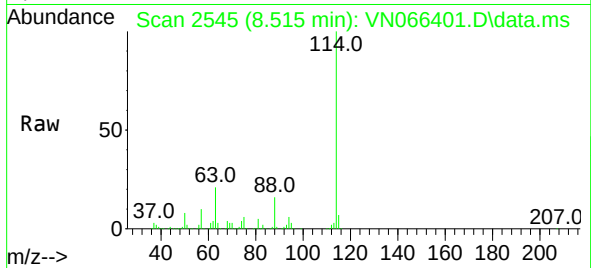




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

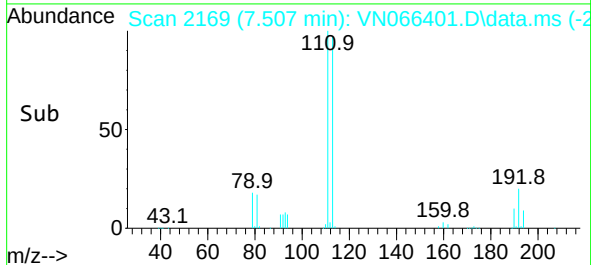
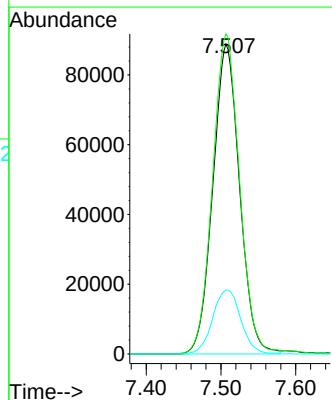
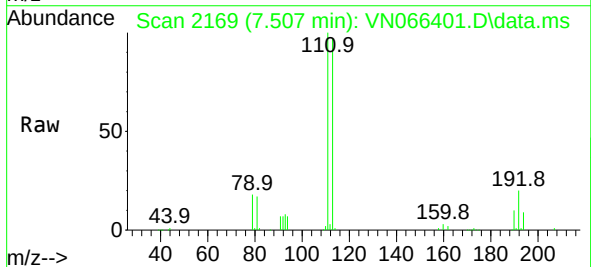
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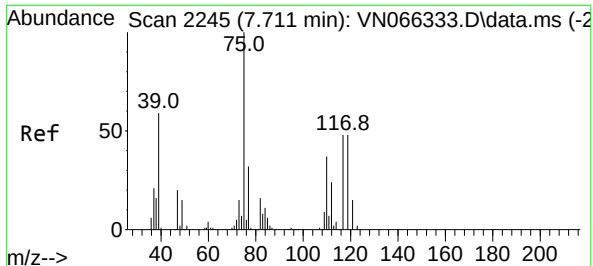
Tgt Ion:114 Resp: 629655
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.0
88 15.8 0.0 31.0



#35
Dibromofluoromethane
Concen: 52.80 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion:113 Resp: 220392
Ion Ratio Lower Upper
113 100
111 105.0 81.8 122.8
192 21.8 17.1 25.7

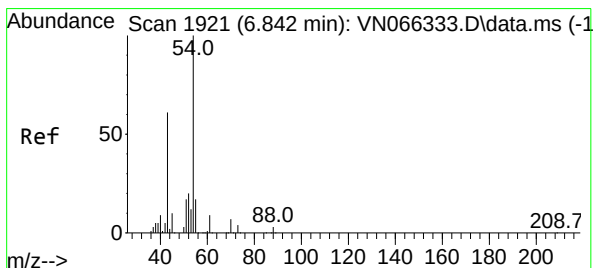
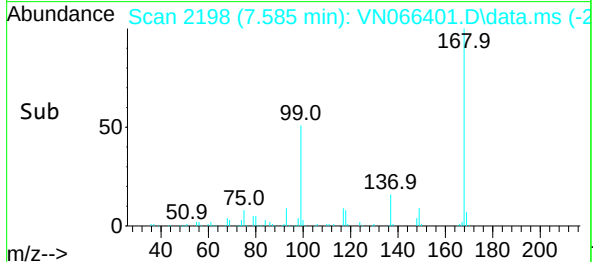
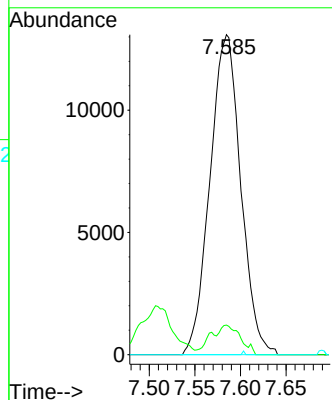
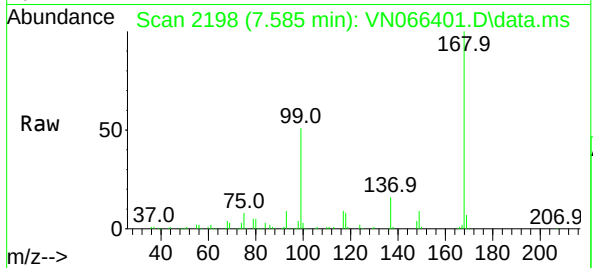




#36
1,1-Dichloropropene
Concen: 5.20 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

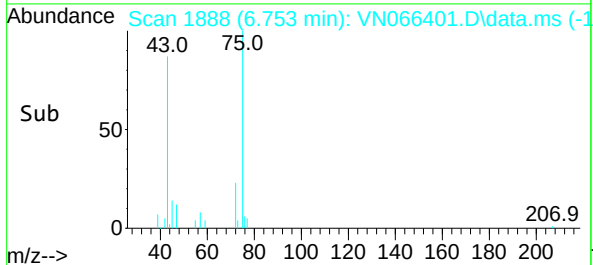
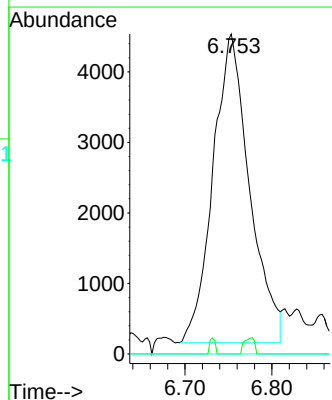
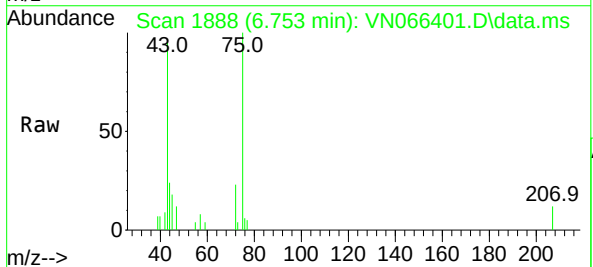
Instrument :
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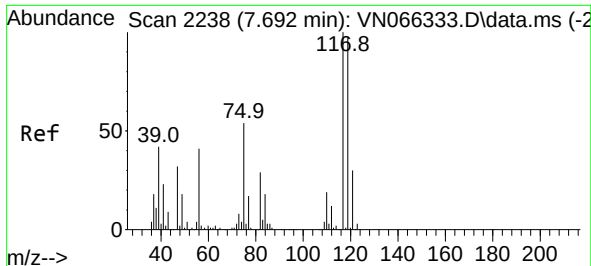
Tgt Ion: 75 Resp: 30770
Ion Ratio Lower Upper
75 100
110 6.2 18.1 54.3#
77 0.1 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.96 ug/l
RT: 6.753 min Scan# 1888
Delta R.T. -0.088 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

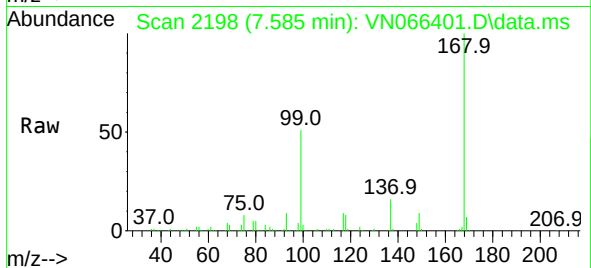
Tgt Ion: 43 Resp: 12771
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.0 12.0#



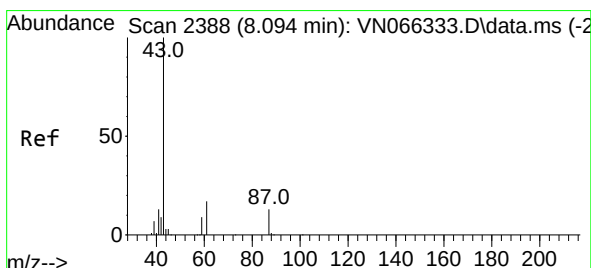
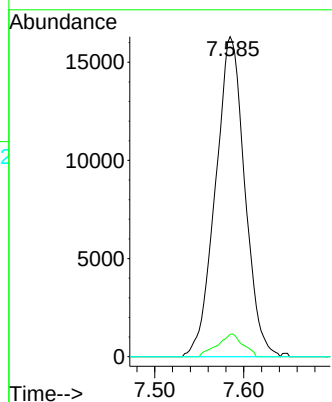
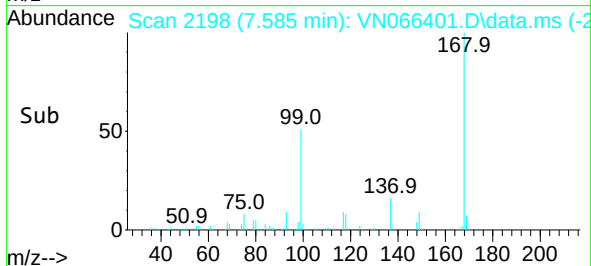


#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.107 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

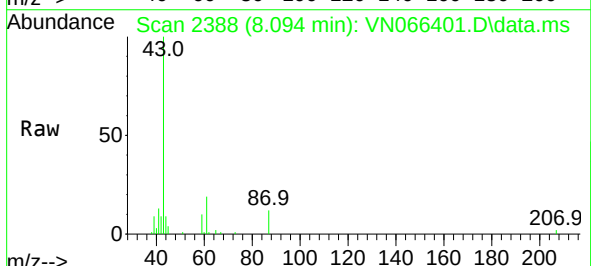
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08



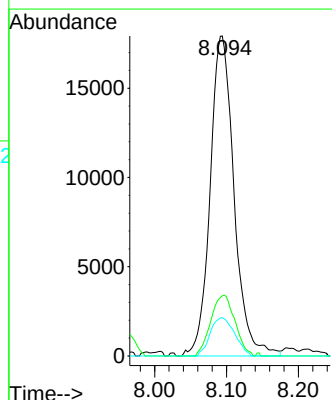
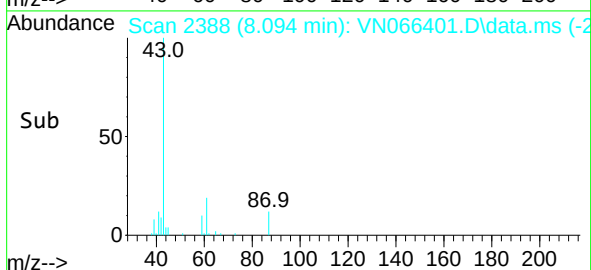
Tgt Ion:117 Resp: 37232
Ion Ratio Lower Upper
117 100
119 7.0 77.2 115.8#
121 0.0 24.2 36.4#

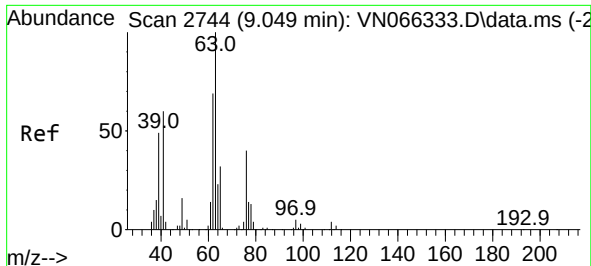


#43
Isopropyl Acetate
Concen: 3.72 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34



Tgt Ion: 43 Resp: 41433
Ion Ratio Lower Upper
43 100
61 19.2 15.5 23.3
87 12.2 10.5 15.7





#45

1,2-Dichloropropane

Concen: 0.57 ug/l

RT: 9.202 min Scan# 2801

Delta R.T. 0.153 min

Lab File: VN066401.D

Acq: 30 Mar 2021 1:34

Tgt Ion: 63 Resp: 2718

Ion Ratio Lower Upper

63 100

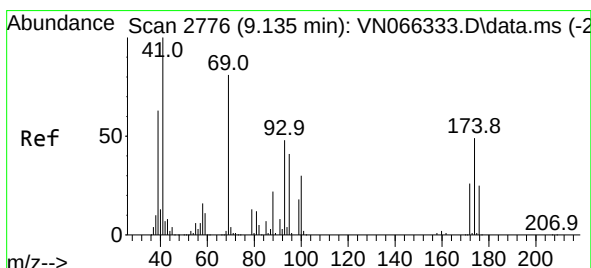
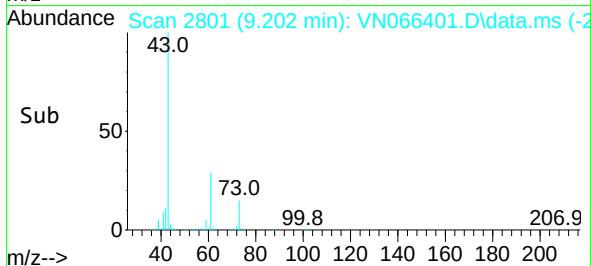
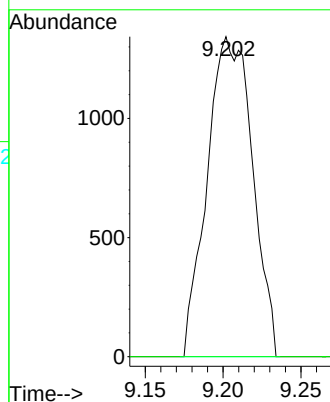
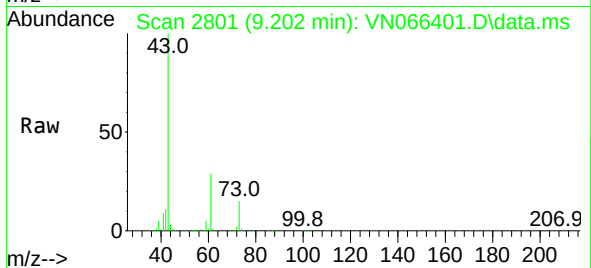
65 0.0 25.5 38.3#

Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#08



#48

Methyl methacrylate

Concen: 1.73 ug/l

RT: 9.116 min Scan# 2769

Delta R.T. -0.019 min

Lab File: VN066401.D

Acq: 30 Mar 2021 1:34

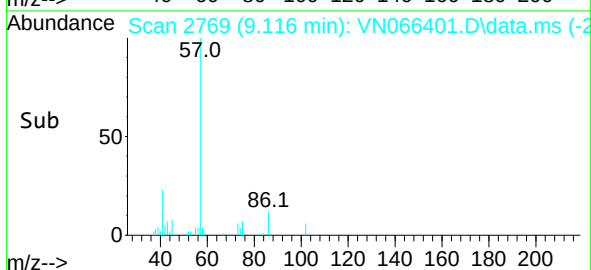
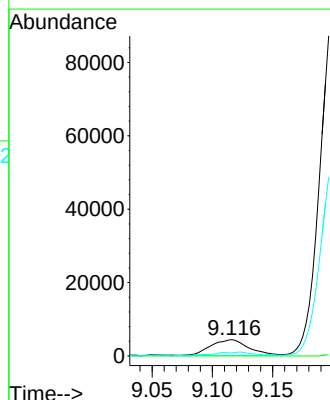
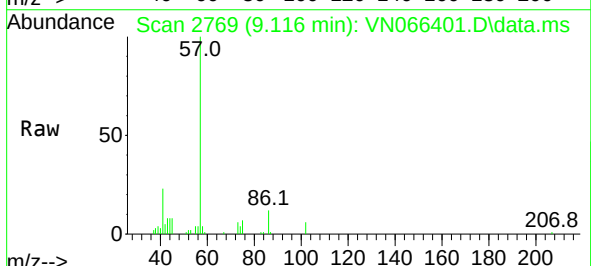
Tgt Ion: 41 Resp: 9171

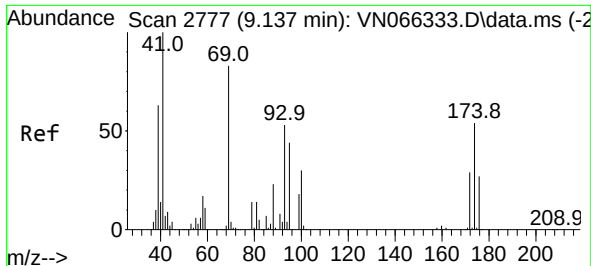
Ion Ratio Lower Upper

41 100

69 0.0 66.2 99.4#

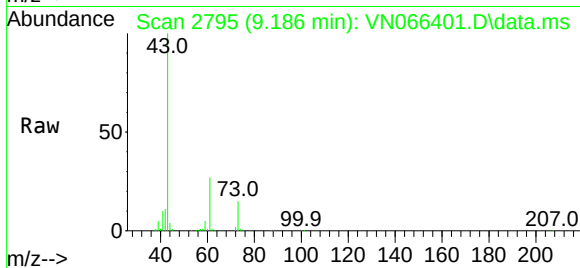
39 0.0 51.5 77.3#



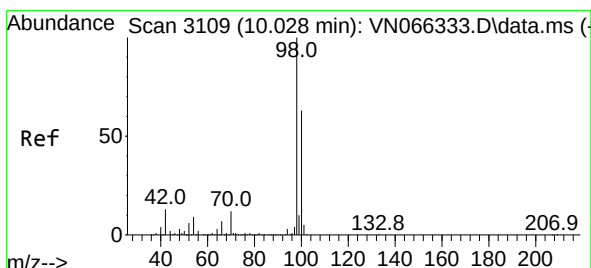
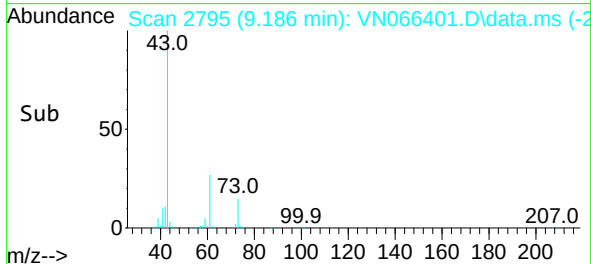
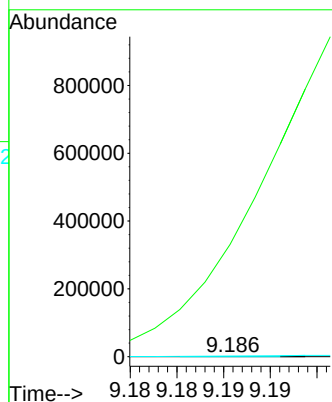


#49
1,4-Dioxane
Concen: 0.84 ug/l
RT: 9.186 min Scan# 2795
Delta R.T. 0.048 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

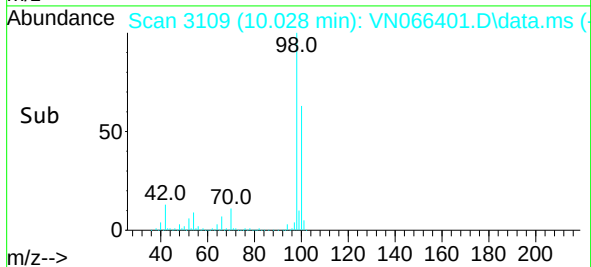
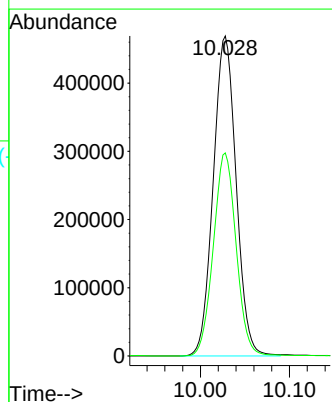
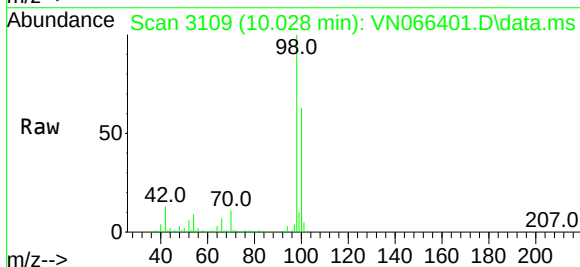


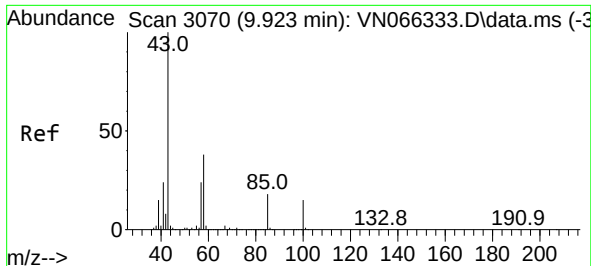
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 56.6 84.8#



#50
Toluene-d8
Concen: 52.95 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 98 Resp: 838288
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7

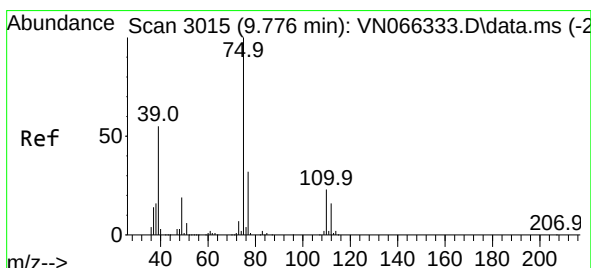
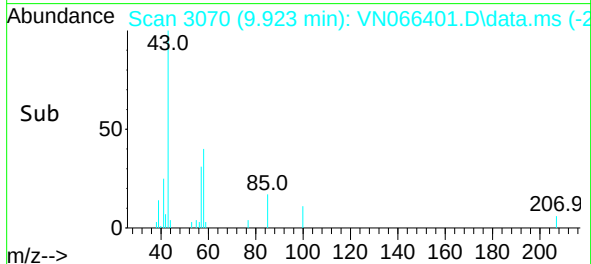
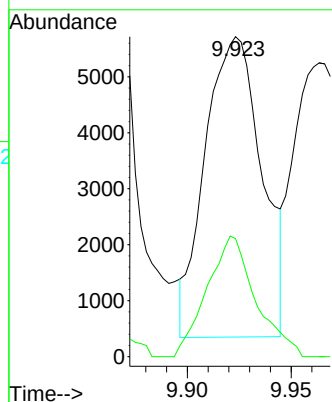
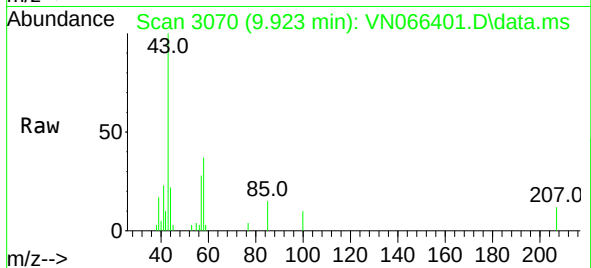




#51
4-Methyl-2-Pentanone
Concen: 1.56 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

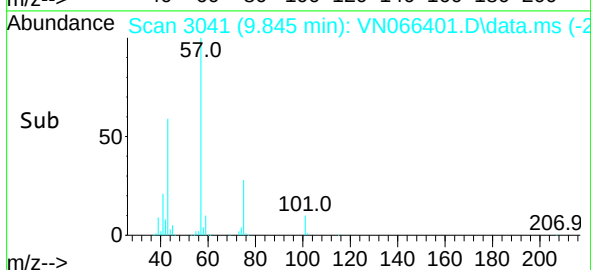
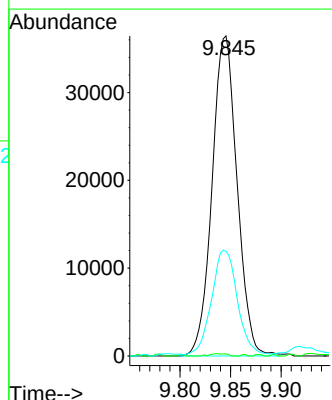
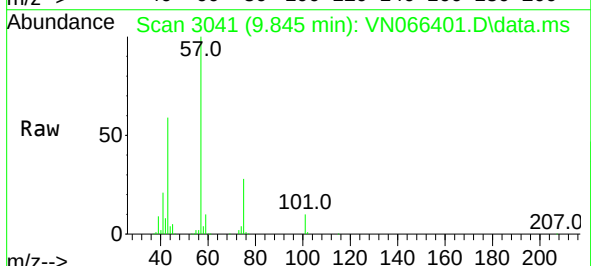
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

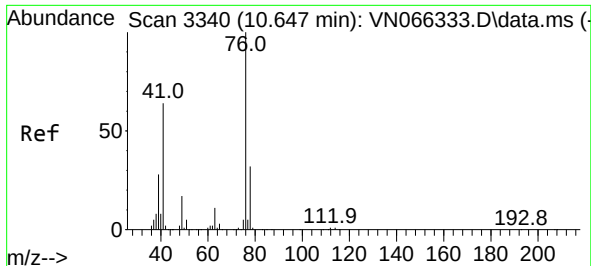
Tgt Ion: 43 Resp: 10171
Ion Ratio Lower Upper
43 100
58 34.5 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 8.35 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.070 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 75 Resp: 62764
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.2#
39 32.1 44.2 66.4#

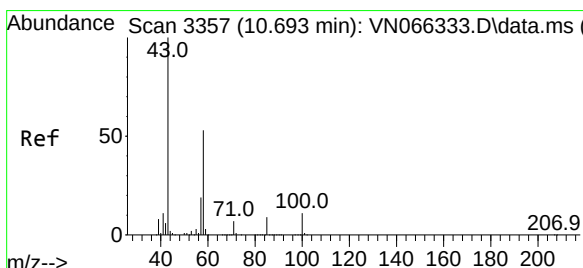
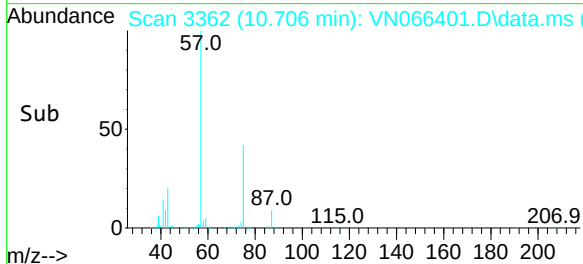
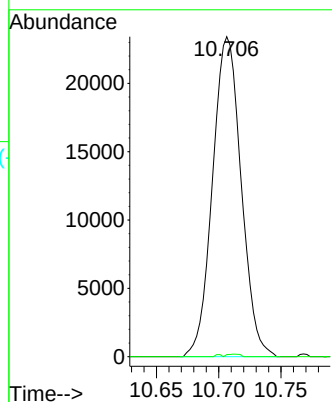
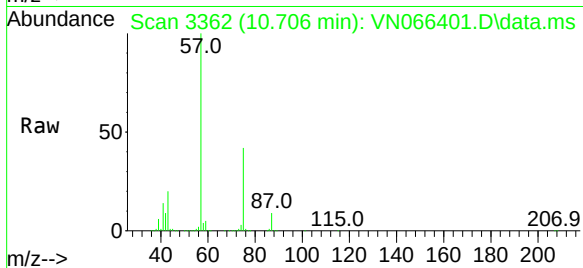




#57
1,3-Dichloropropane
Concen: 5.11 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

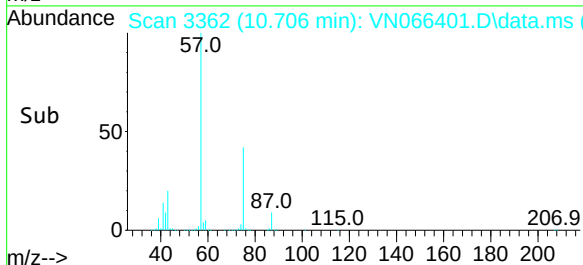
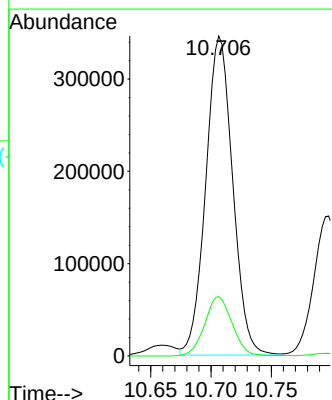
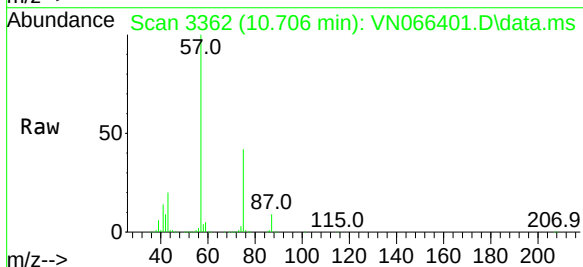
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

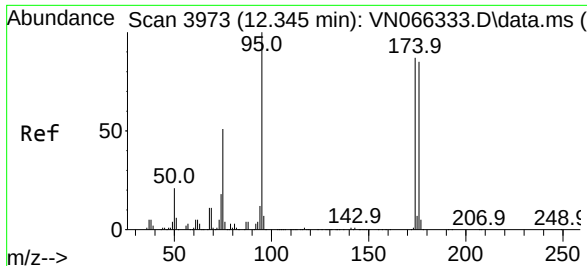
Tgt Ion: 76 Resp: 37423
Ion Ratio Lower Upper
76 100
78 0.4 25.9 38.9#



#59
2-Hexanone
Concen: 117.71 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 43 Resp: 536329
Ion Ratio Lower Upper
43 100
58 19.0 26.6 79.8#

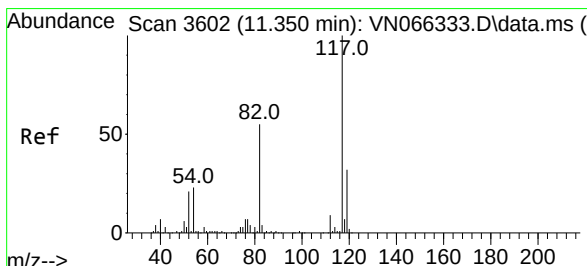
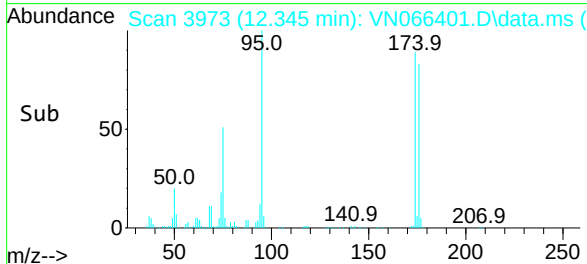
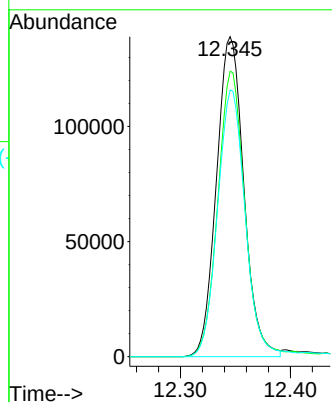
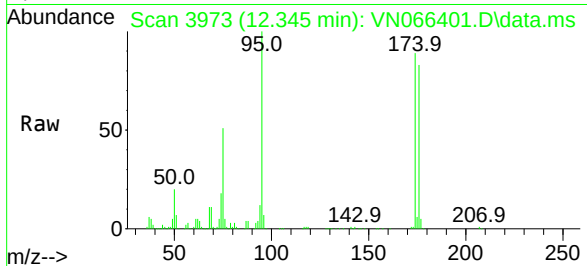




#62
4-Bromofluorobenzene
Concen: 43.76 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

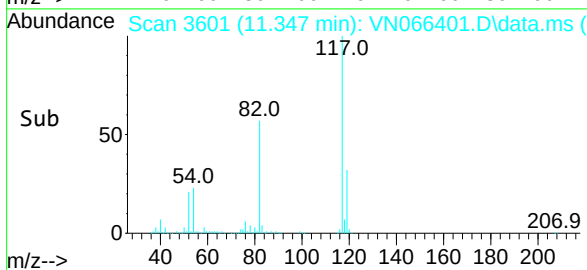
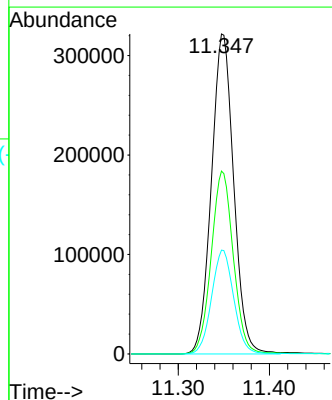
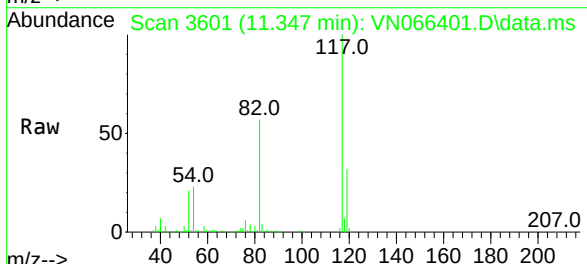
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

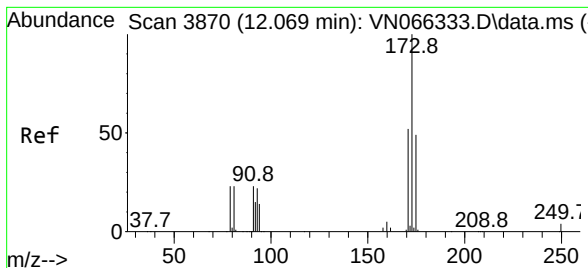
Tgt Ion: 95 Resp: 240655
Ion Ratio Lower Upper
95 100
174 87.9 0.0 172.2
176 84.5 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 117 Resp: 546102
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.4
119 32.4 25.8 38.6

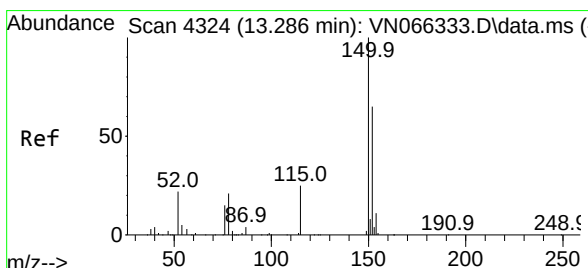
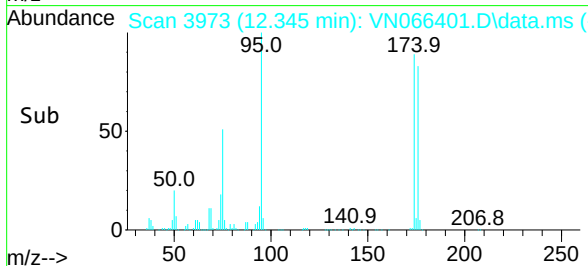
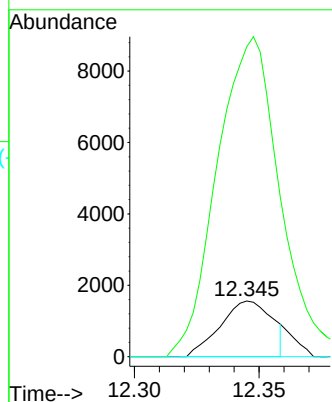
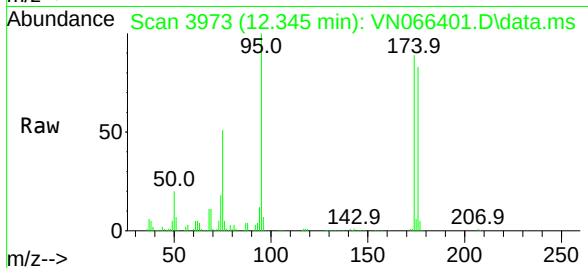




#71
Bromoform
Concen: 0.65 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

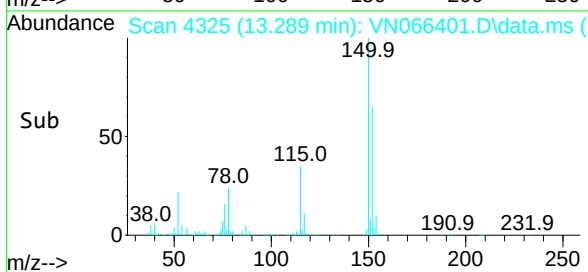
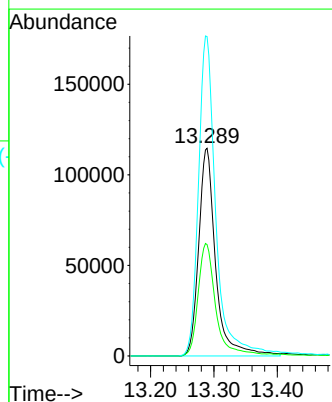
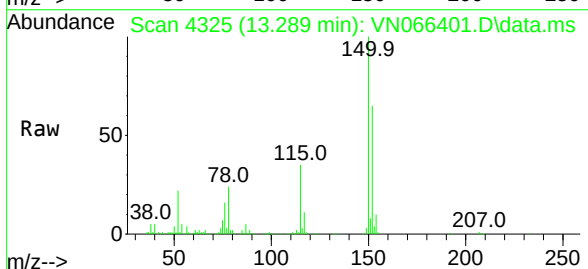
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

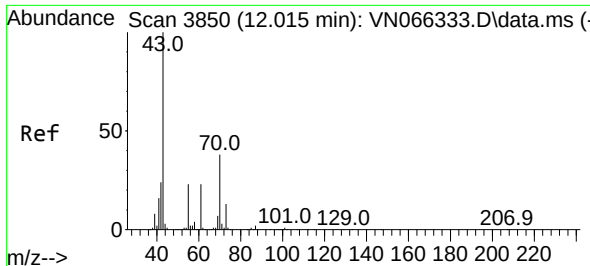
Tgt Ion:173 Resp: 2256
Ion Ratio Lower Upper
173 100
175 609.7 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion:152 Resp: 214083
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 158.4 0.0 348.4

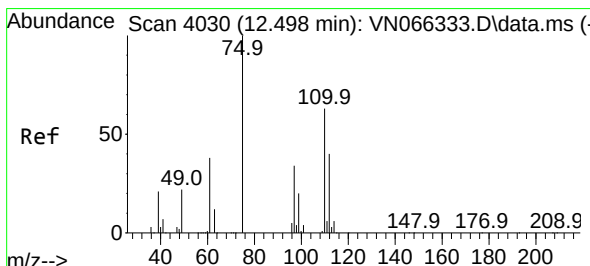
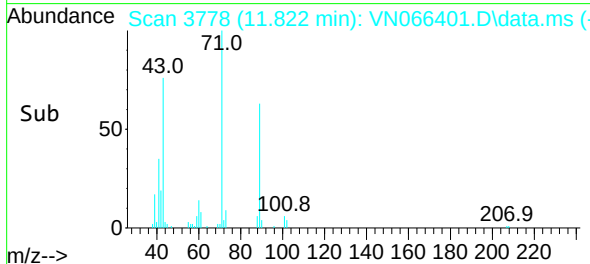
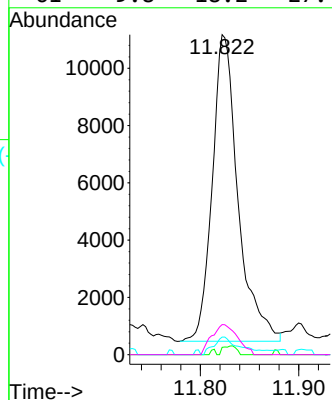
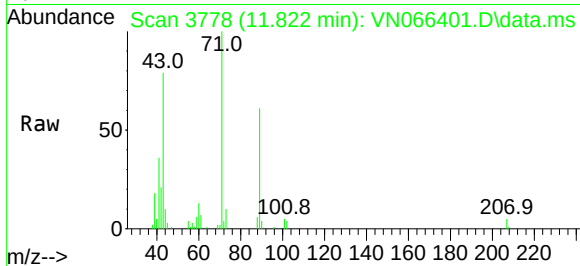




#74
N-amy1 acetate
Concen: 6.11 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

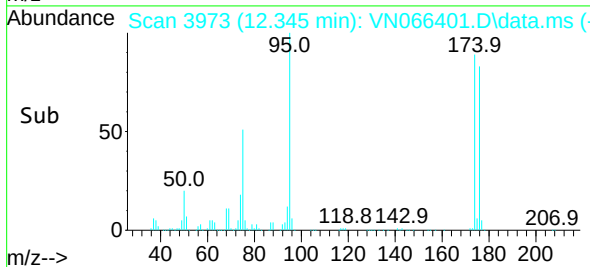
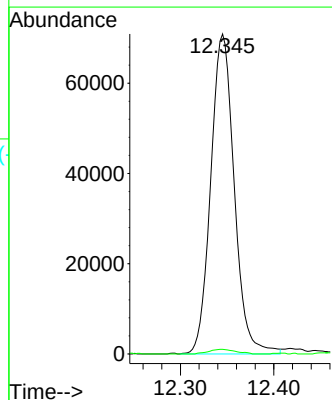
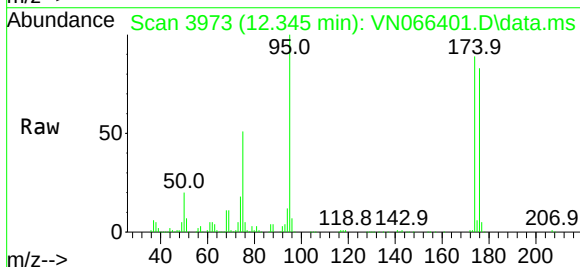
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

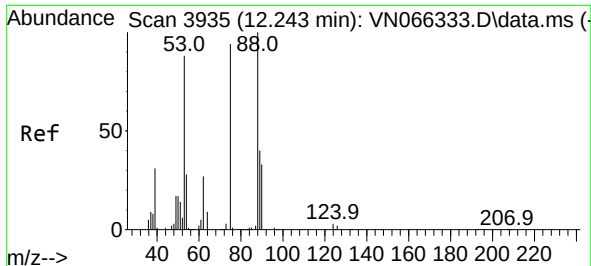
Tgt Ion	Ratio	Lower	Upper
43	100		
70	1.5	31.2	46.8#
55	5.5	18.6	28.0#
61	9.8	18.2	27.4#



#76
1,2,3-Trichloropropane
Concen: 26.44 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#

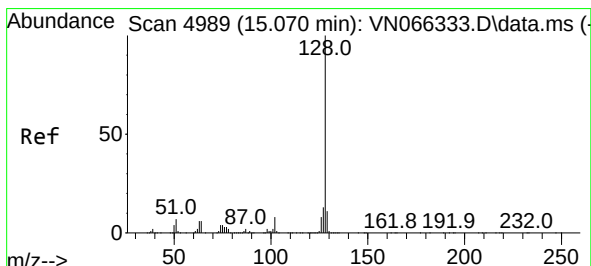
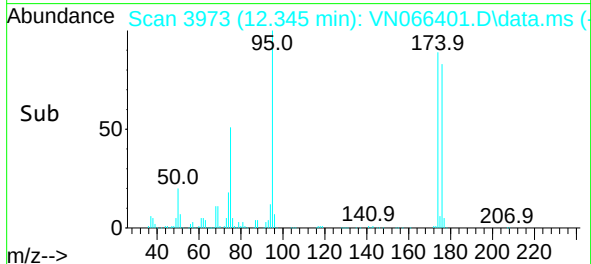
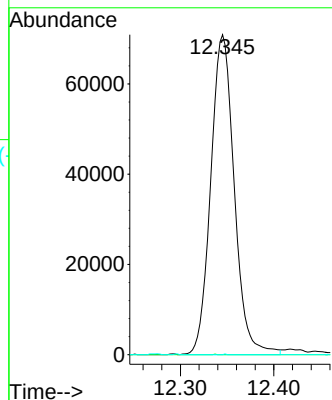
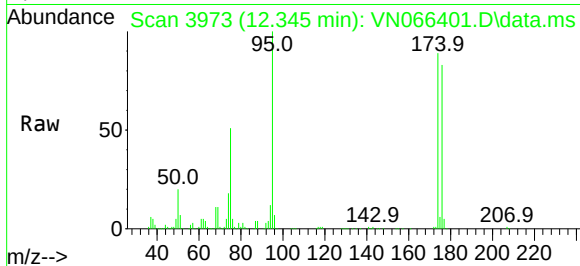




#81
trans-1,4-Dichloro-2-butene
Concen: 79.51 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#08

Tgt Ion: 75 Resp: 124207
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 1.14 ug/l
RT: 15.091 min Scan# 4997
Delta R.T. 0.021 min
Lab File: VN066401.D
Acq: 30 Mar 2021 1:34

Tgt Ion: 128 Resp: 1223
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

