

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066394.D
 Acq On : 29 Mar 2021 22:49
 Operator : JC/MD
 Sample : PB135367ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#01

Quant Time: Mar 30 07:05:58 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)

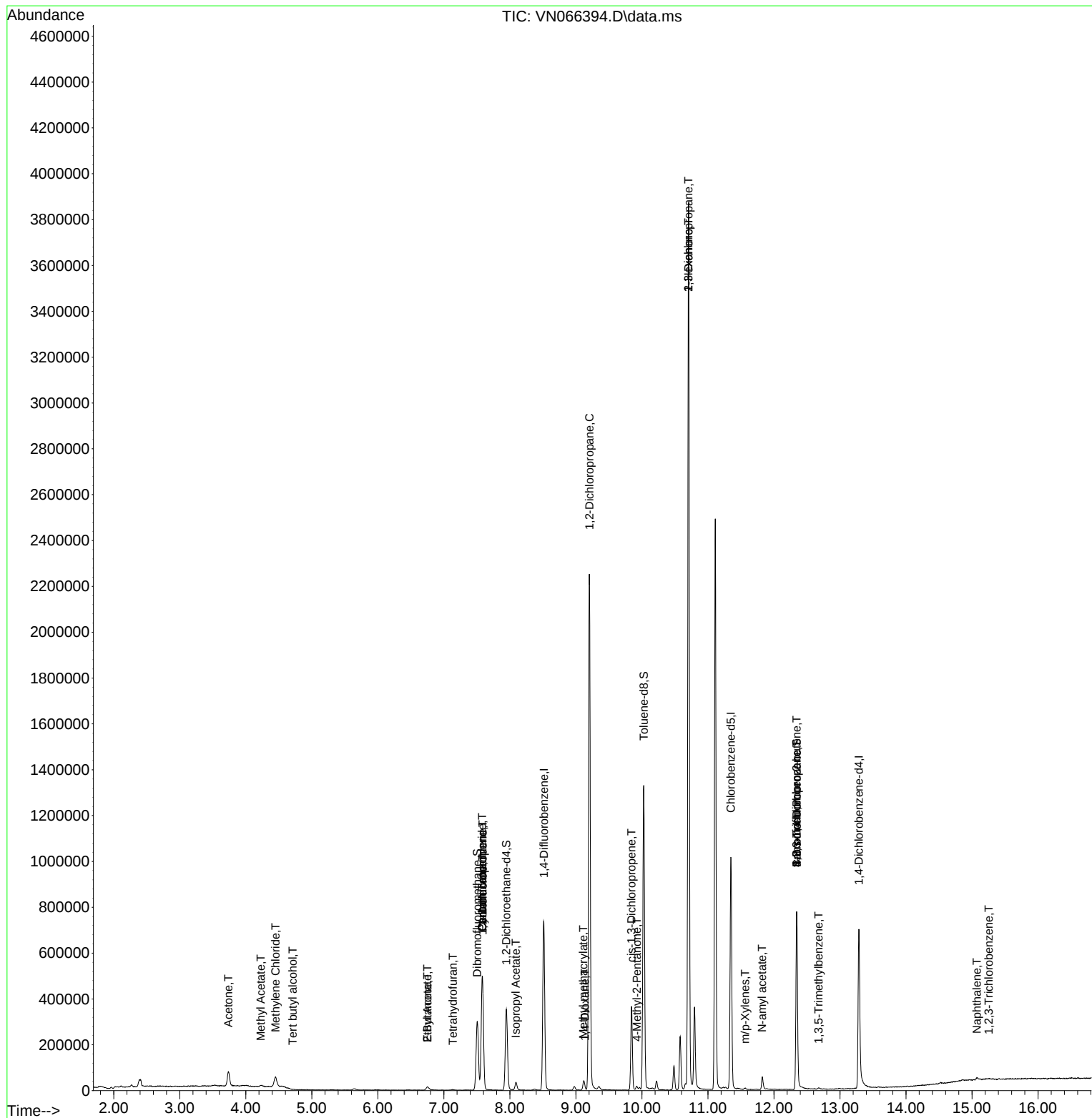
Internal Standards						
1) Pentafluorobenzene	7.584	168	420987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	650379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	579394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	222200	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	295913	52.88	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.76%			
35) Dibromofluoromethane	7.507	113	232275	53.87	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.74%			
50) Toluene-d8	10.028	98	894739	54.71	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.42%			
62) 4-Bromofluorobenzene	12.345	95	263647	46.41	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.82%			
Target Compounds					Qvalue	
3) Chloromethane	2.019	50	3679	Below Cal		96
11) Tert butyl alcohol	4.712	59	322	0.38 ug/l #		62
13) Acrolein	3.532	56	3974	Below Cal		57
16) Acetone	3.736	43	102224	33.81 ug/l		98
18) Methyl Acetate	4.227	43	3031	0.38 ug/l #		74
20) Methylene Chloride	4.452	84	28465	4.12 ug/l		97
25) 2-Butanone	6.750	43	12916	3.91 ug/l		97
29) Tetrahydrofuran	7.139	42	2100	0.97 ug/l #		58
31) Cyclohexane	7.584	56	9285	1.20 ug/l #		16
36) 1,1-Dichloropropene	7.587	75	30404	4.98 ug/l #		48
37) Ethyl Acetate	6.750	43	12916	1.92 ug/l #		70
38) Carbon Tetrachloride	7.582	117	38268	6.23 ug/l #		16
43) Isopropyl Acetate	8.091	43	39505	3.44 ug/l		99
45) 1,2-Dichloropropane	9.204	63	2649	0.54 ug/l #		43
48) Methyl methacrylate	9.110	41	10309	1.88 ug/l #		12
49) 1,4-Dioxane	9.137	88	49	0.71 ug/l #		1
51) 4-Methyl-2-Pentanone	9.923	43	11351	1.69 ug/l		98
54) cis-1,3-Dichloropropene	9.843	75	63612	8.19 ug/l #		58
57) 1,3-Dichloropropane	10.706	76	38437	5.09 ug/l #		43
59) 2-Hexanone	10.706	43	548635	116.58 ug/l #		52
68) m/p-Xylenes	11.564	106	1918	0.24 ug/l		74
71) Bromoform	12.345	173	1572	0.42 ug/l #		1
74) N-amyl acetate	11.822	43	19373	5.98 ug/l #		55
76) 1,2,3-Trichloropropane	12.345	75	139110	28.53 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.678	105	3516	0.26 ug/l		82
81) trans-1,4-Dichloro-2-b...	12.345	75	139110	85.80 ug/l #		12
95) Naphthalene	15.075	128	8065	1.68 ug/l #		92
96) 1,2,3-Trichlorobenzene	15.252	180	1283	0.30 ug/l		94

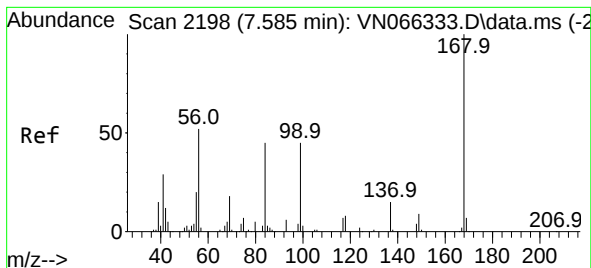
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 2021
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.584 min Scan# 2198

Delta R.T. -0.001 min

Lab File: VN066394.D

Acq: 29 Mar 2021 22:49

Instrument :

MSVOA_N

ClientSampleId :

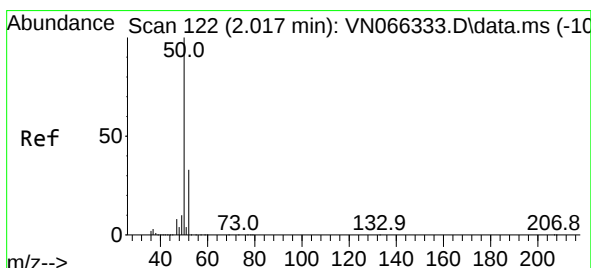
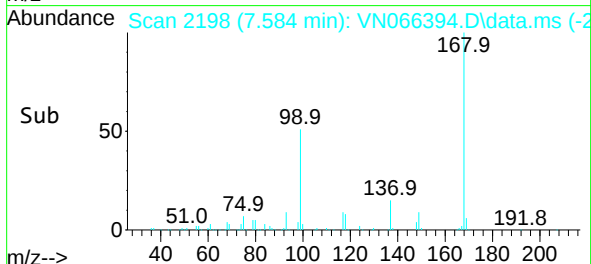
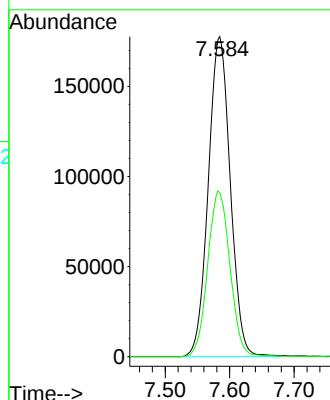
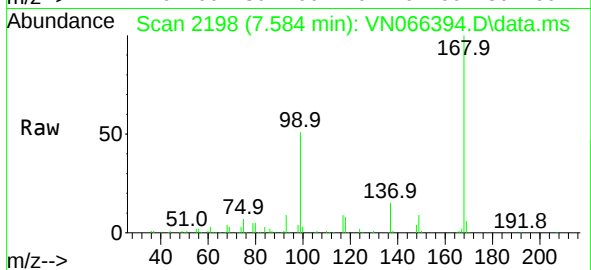
PB135367ZHE#01

Tgt Ion:168 Resp: 420987

Ion Ratio Lower Upper

168 100

99 51.2 41.1 61.7



#3

Chloromethane

Concen: Below Cal

RT: 2.019 min Scan# 123

Delta R.T. 0.002 min

Lab File: VN066394.D

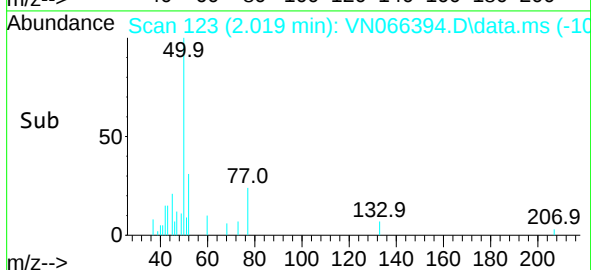
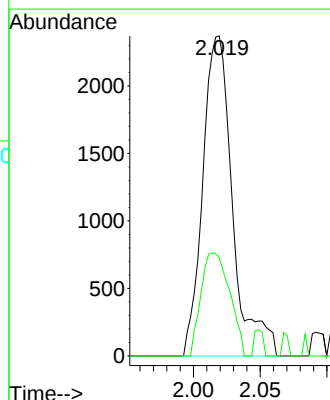
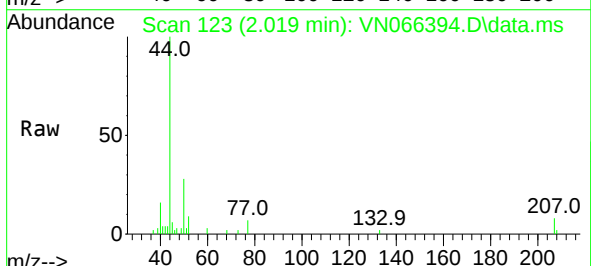
Acq: 29 Mar 2021 22:49

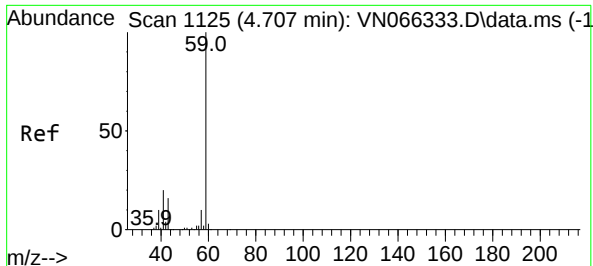
Tgt Ion: 50 Resp: 3679

Ion Ratio Lower Upper

50 100

52 30.6 26.2 39.2

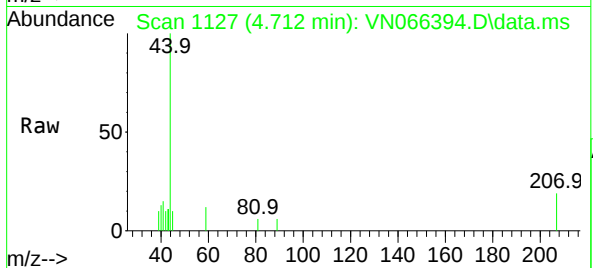




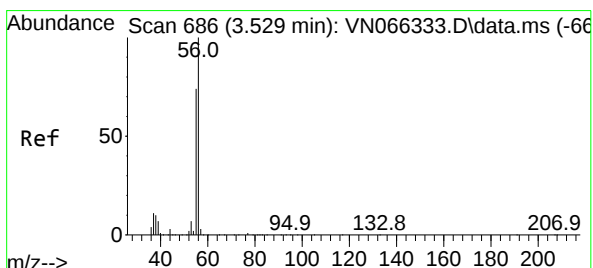
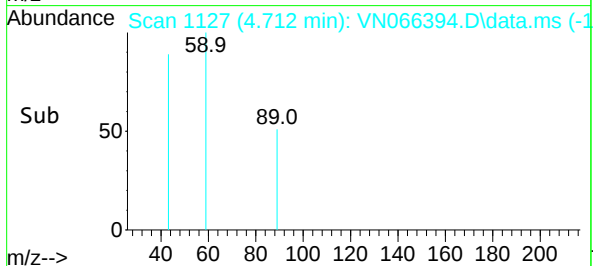
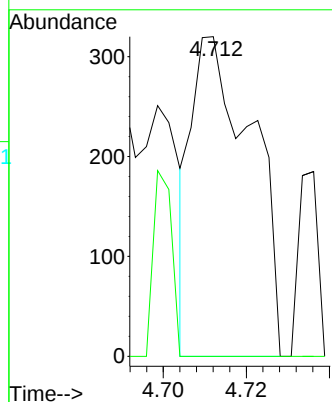
#11

Tert butyl alcohol
Concen: 0.38 ug/l
RT: 4.712 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01



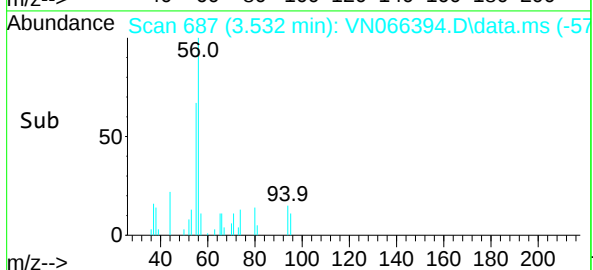
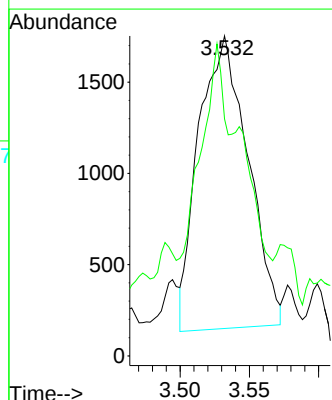
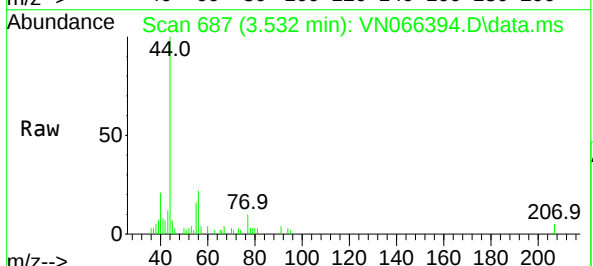
Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 17.7 4.1 6.1#

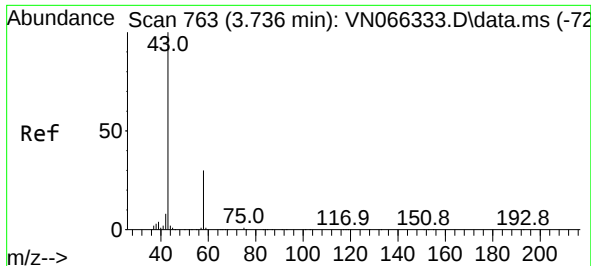


#13

Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. 0.003 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion: 56 Resp: 3974
Ion Ratio Lower Upper
56 100
55 36.4 57.9 86.9#

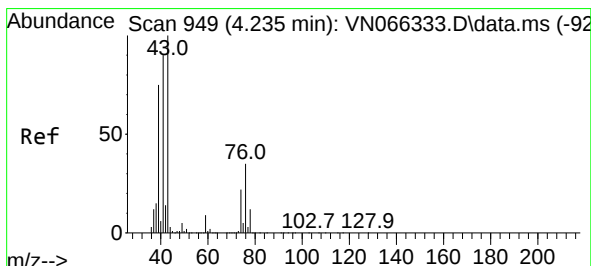
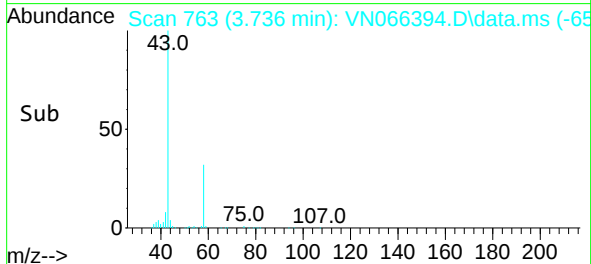
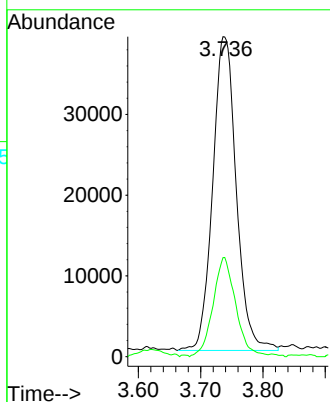
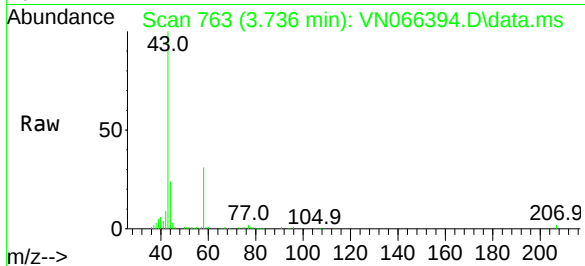




#16
Acetone
Concen: 33.81 ug/l
RT: 3.736 min Scan# 763
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

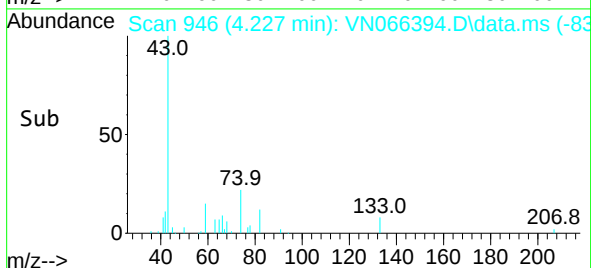
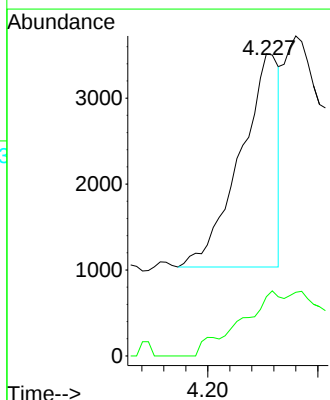
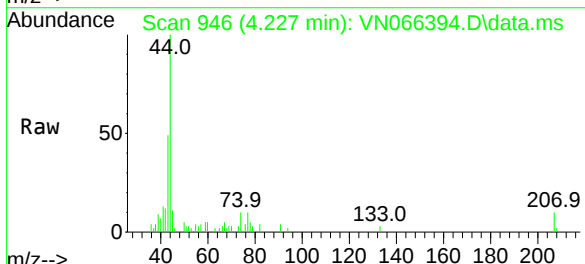
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

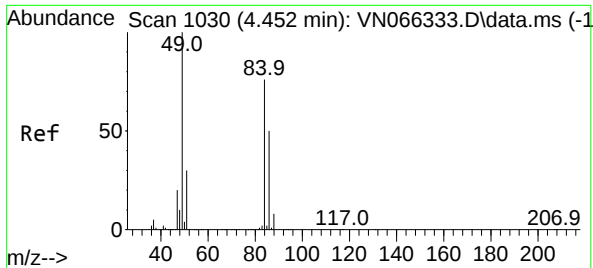
Tgt Ion: 43 Resp: 102224
Ion Ratio Lower Upper
43 100
58 31.1 23.8 35.8



#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 4.227 min Scan# 946
Delta R.T. -0.008 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion: 43 Resp: 3031
Ion Ratio Lower Upper
43 100
74 34.2 17.6 26.4#

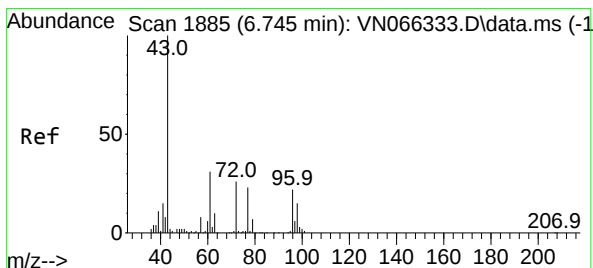
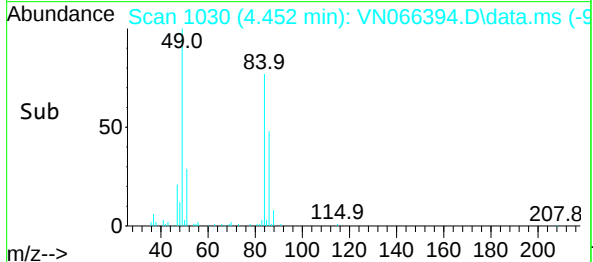
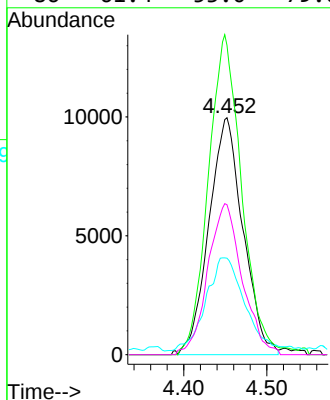
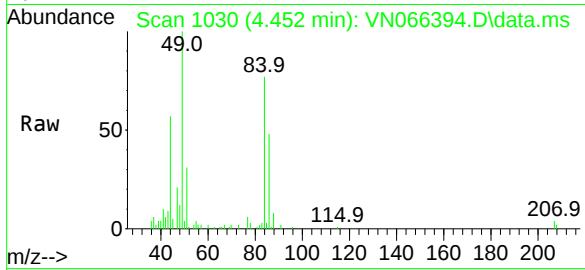




#20
Methylene Chloride
Concen: 4.12 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

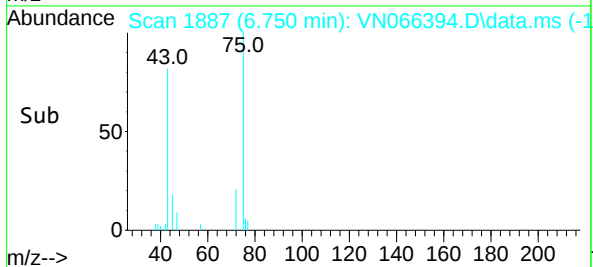
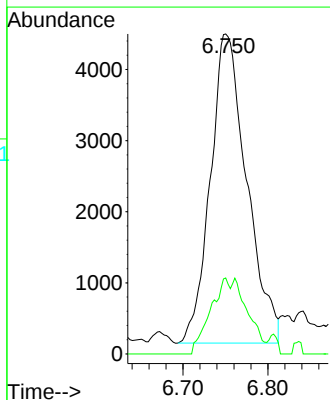
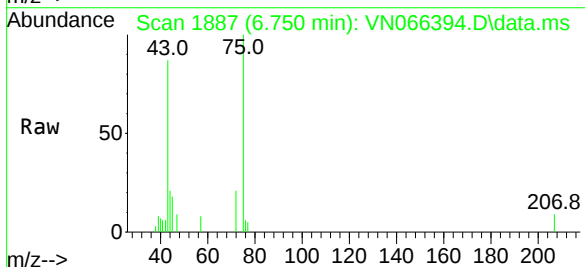
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

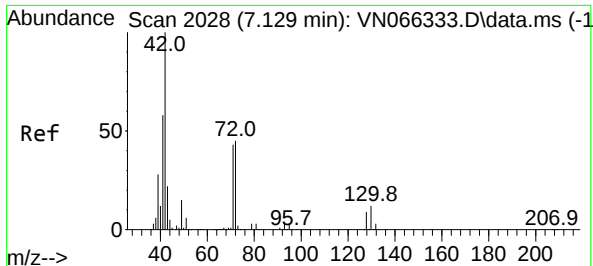
Tgt Ion:	84	Resp:	28465
Ion	Ratio	Lower	Upper
84	100		
49	130.5	105.0	157.6
51	37.2	31.6	47.4
86	61.4	53.0	79.6



#25
2-Butanone
Concen: 3.91 ug/l
RT: 6.750 min Scan# 1887
Delta R.T. 0.005 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion:	43	Resp:	12916
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.97 ug/l

RT: 7.139 min Scan# 2032

Delta R.T. 0.011 min

Lab File: VN066394.D

Acq: 29 Mar 2021 22:49

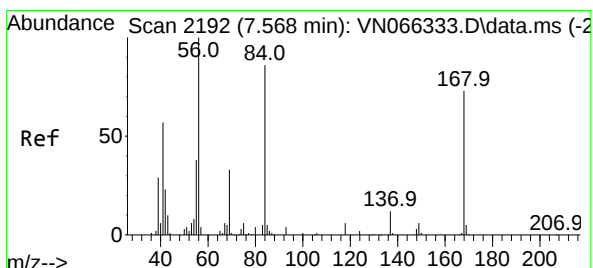
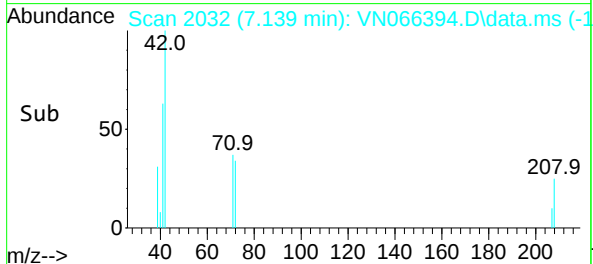
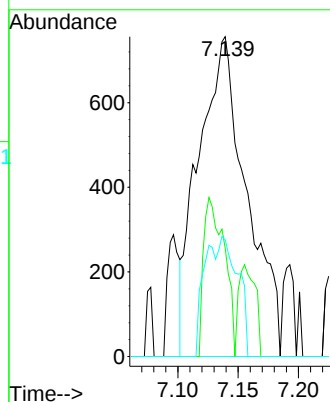
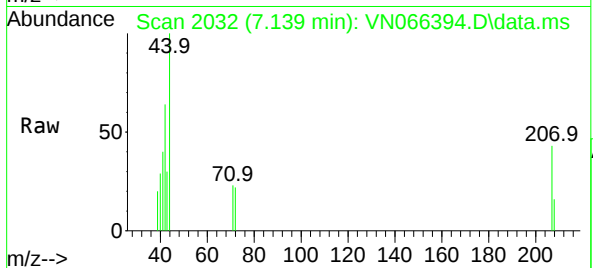
Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#01

Tgt Ion:	42	Resp:	2100
Ion	Ratio	Lower	Upper
42	100		
72	21.5	35.2	52.8#
71	10.2	33.1	49.7#



#31

Cyclohexane

Concen: 1.20 ug/l

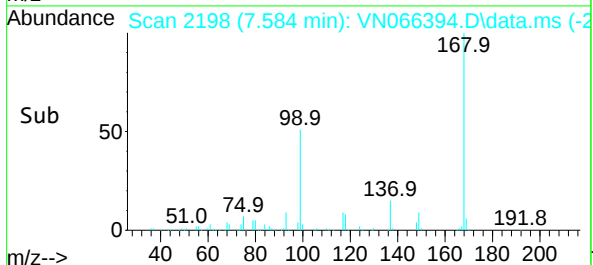
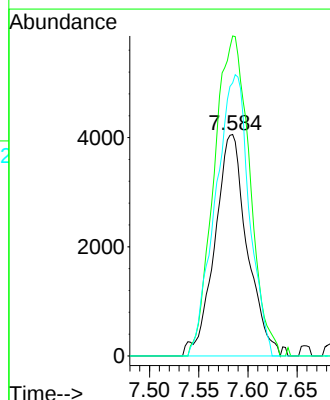
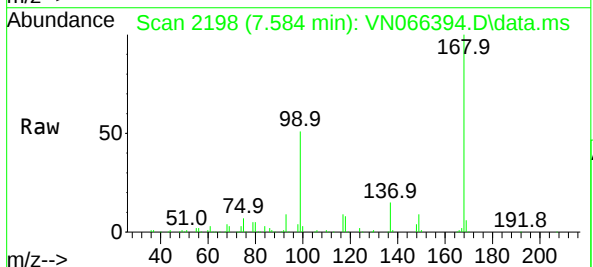
RT: 7.584 min Scan# 2198

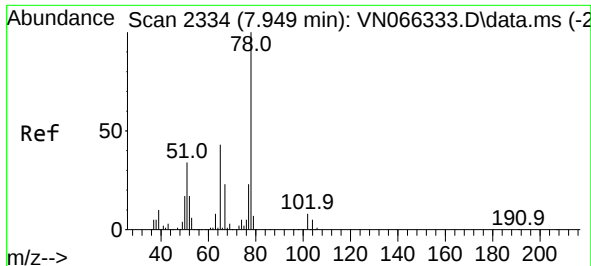
Delta R.T. 0.016 min

Lab File: VN066394.D

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Tgt Ion:	56	Resp:	9285
Ion	Ratio	Lower	Upper
56	100		
69	144.5	26.6	40.0#
84	123.3	68.7	103.1#





#33

1,2-Dichloroethane-d4

Concen: 52.88 ug/l

RT: 7.947 min Scan# 2333

Delta R.T. -0.002 min

Lab File: VN066394.D

Acq: 29 Mar 2021 22:49

Instrument :

MSVOA_N

ClientSampleId :

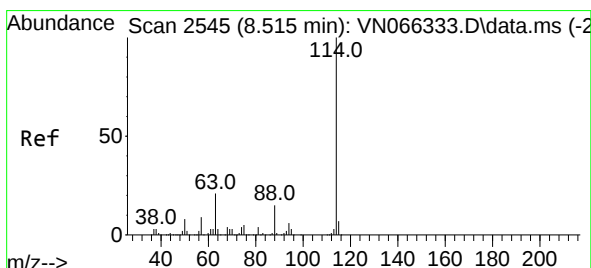
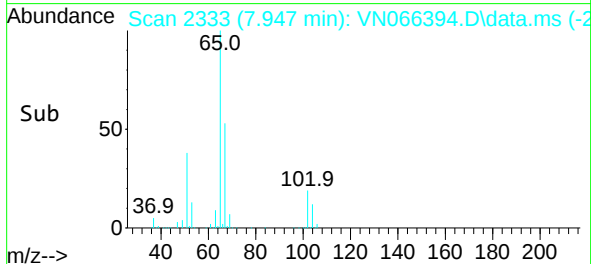
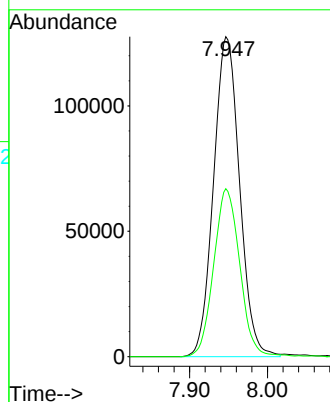
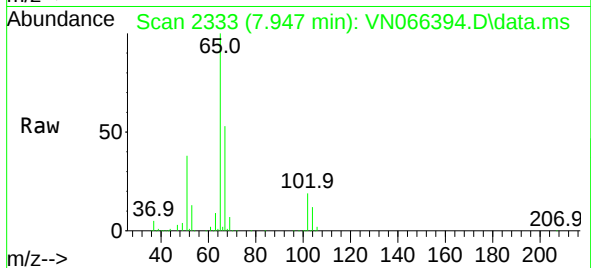
PB135367ZHE#01

Tgt Ion: 65 Resp: 295913

Ion Ratio Lower Upper

65 100

67 52.5 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: VN066394.D

Acq: 29 Mar 2021 22:49

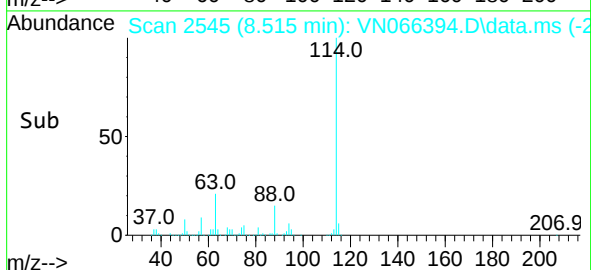
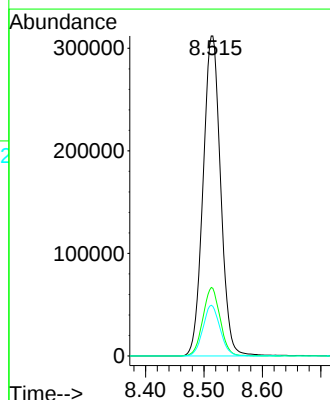
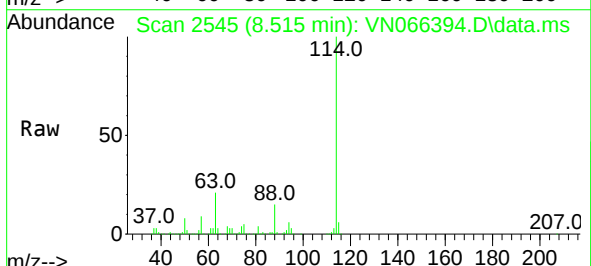
Tgt Ion: 114 Resp: 650379

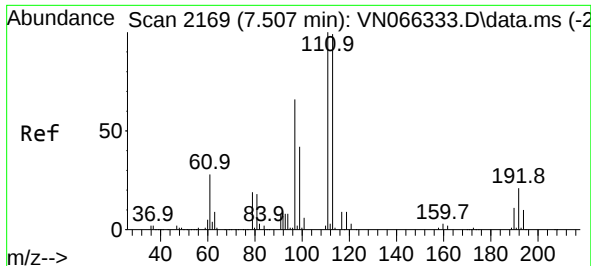
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

88 15.5 0.0 31.0

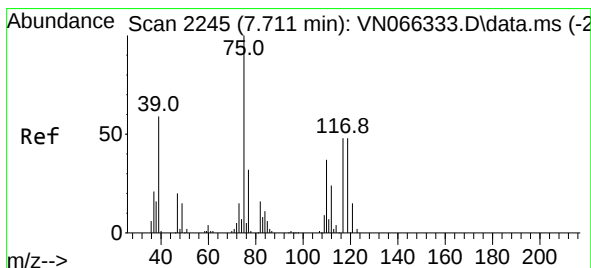
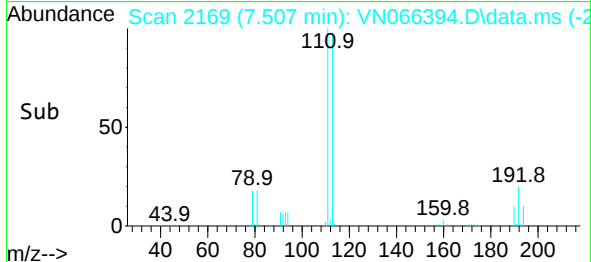
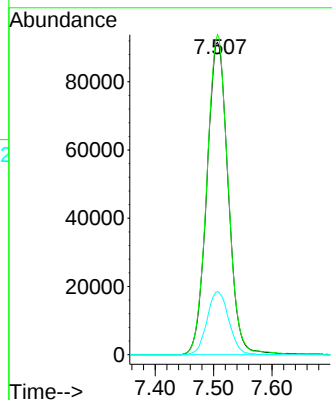
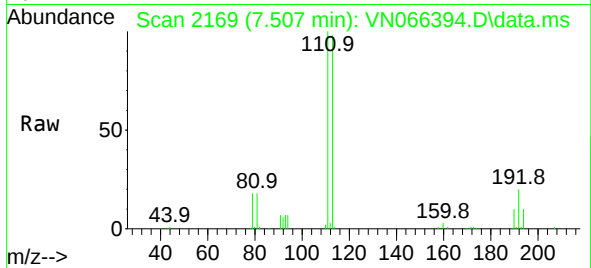




#35
Dibromofluoromethane
Concen: 53.87 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

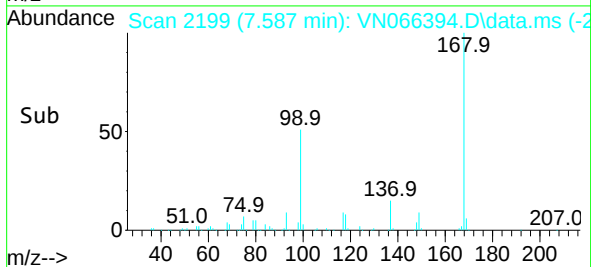
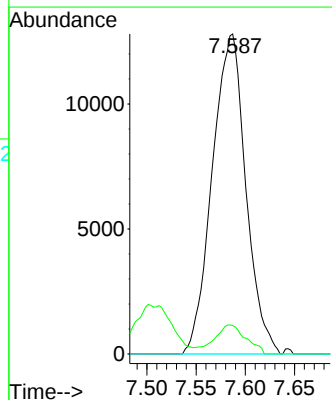
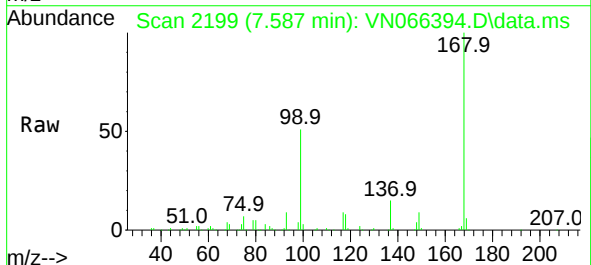
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

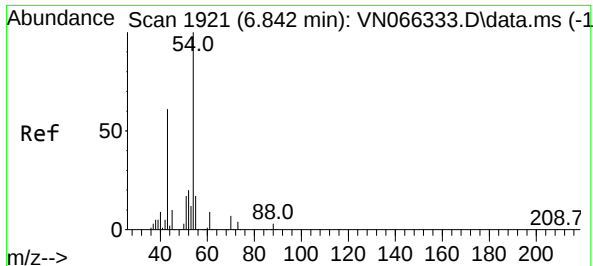
Tgt Ion:113 Resp: 232275
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.8
192 20.6 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion: 75 Resp: 30404
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.92 ug/l

RT: 6.750 min Scan# 1887

Delta R.T. -0.091 min

Lab File: VN066394.D

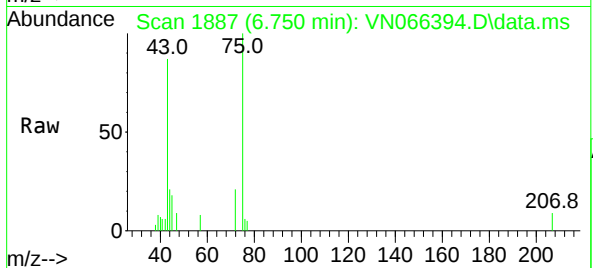
Acq: 29 Mar 2021 22:49

Instrument :

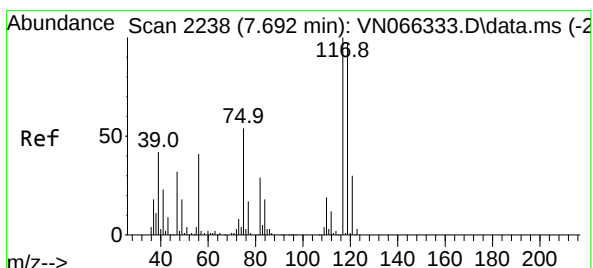
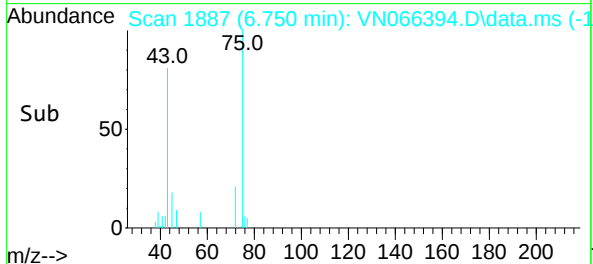
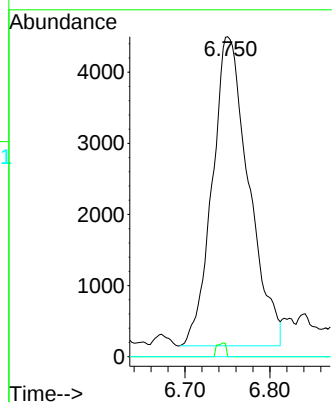
MSVOA_N

ClientSampleId :

PB135367ZHE#01



Tgt Ion:	43	Resp:	12916
Ion	Ratio	Lower	Upper
43	100		
61	1.1	11.1	16.7#
70	0.0	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.23 ug/l

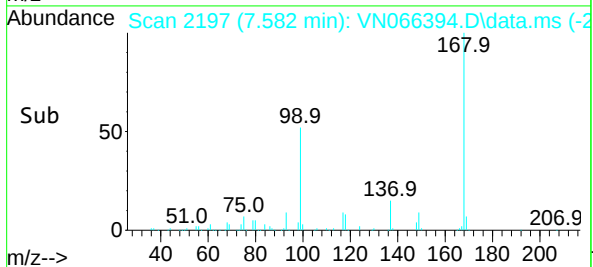
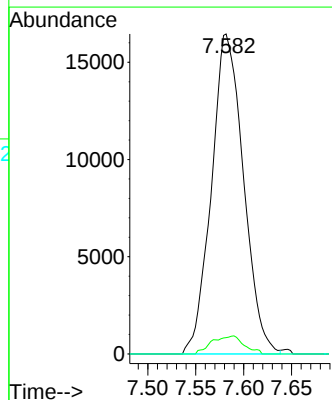
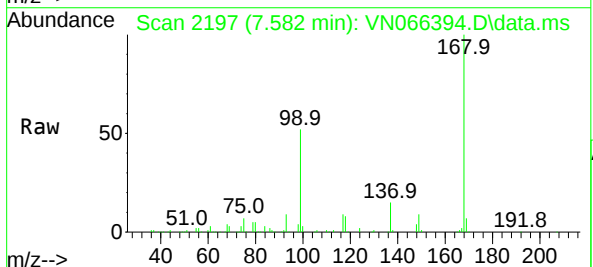
RT: 7.582 min Scan# 2197

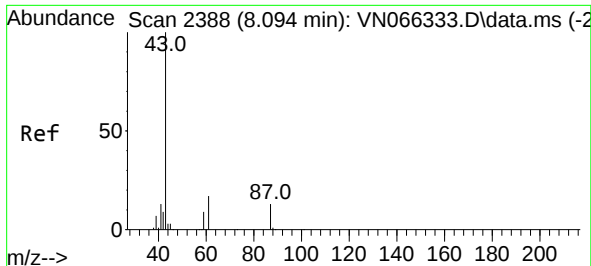
Delta R.T. -0.110 min

Lab File: VN066394.D

Acq: 29 Mar 2021 22:49

Tgt Ion:	117	Resp:	38268
Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.2	115.8#
121	0.0	24.2	36.4#





#43

Isopropyl Acetate

Concen: 3.44 ug/l

RT: 8.091 min Scan# 2387

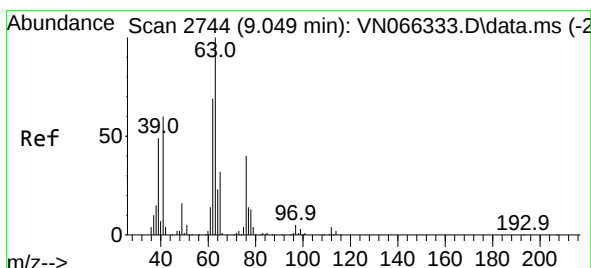
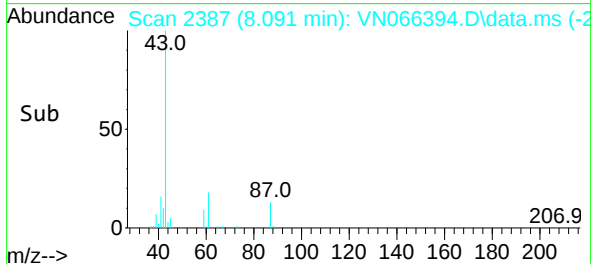
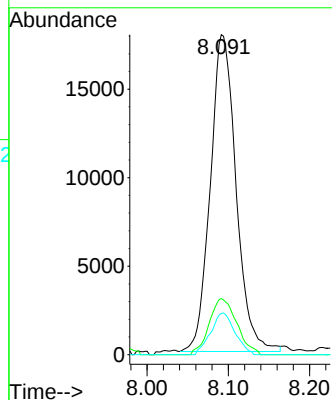
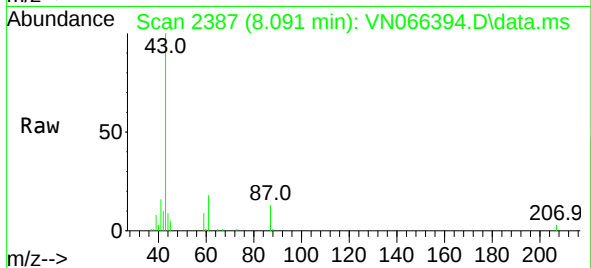
Delta R.T. -0.003 min

Lab File: VN066394.D

Acq: 29 Mar 2021 22:49

Tgt Ion:	43	Resp:	39505
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.5	23.3
87	12.4	10.5	15.7

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01



#45

1,2-Dichloropropane

Concen: 0.54 ug/l

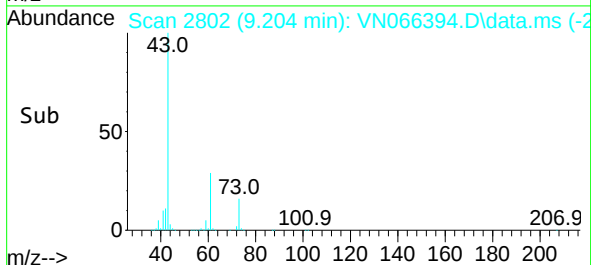
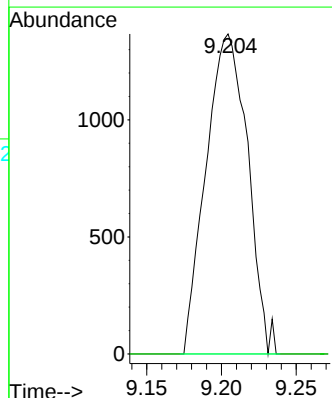
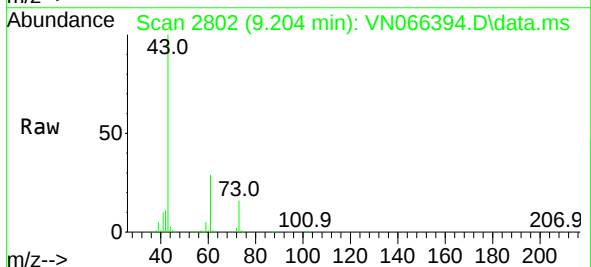
RT: 9.204 min Scan# 2802

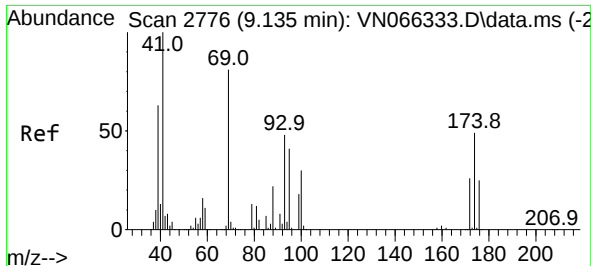
Delta R.T. 0.155 min

Lab File: VN066394.D

Acq: 29 Mar 2021 22:49

Tgt Ion:	63	Resp:	2649
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#

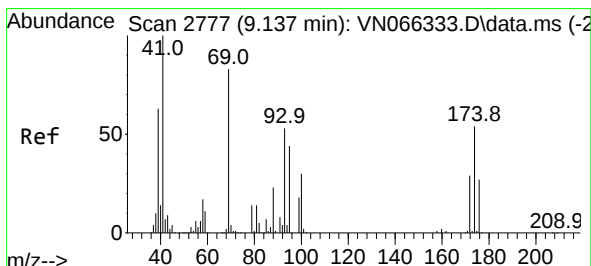
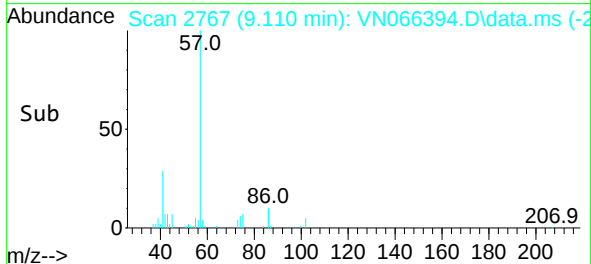
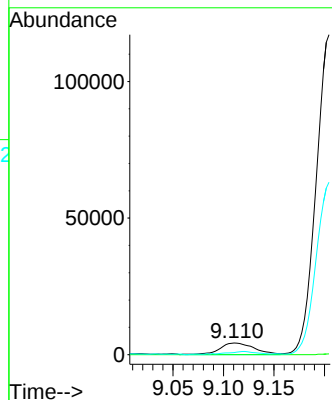
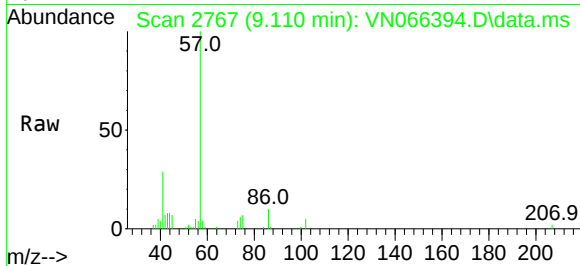




#48
Methyl methacrylate
Concen: 1.88 ug/l
RT: 9.110 min Scan# 2767
Delta R.T. -0.024 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

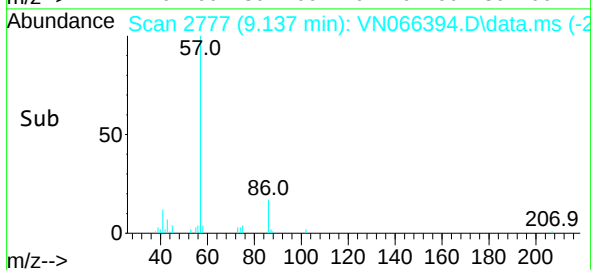
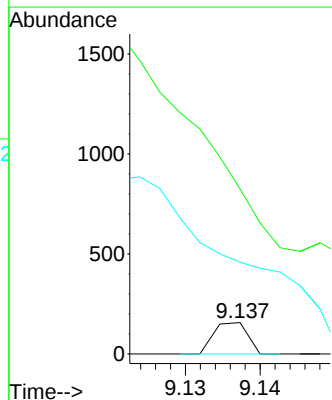
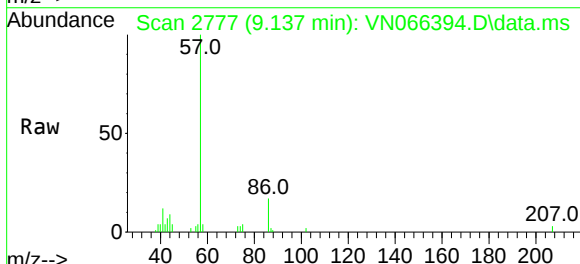
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

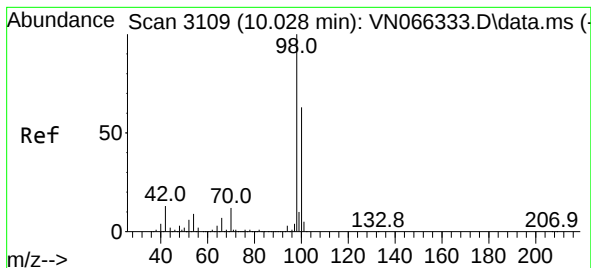
Tgt Ion: 41 Resp: 10309
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 0.71 ug/l
RT: 9.137 min Scan# 2777
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 3834.7 56.6 84.8#

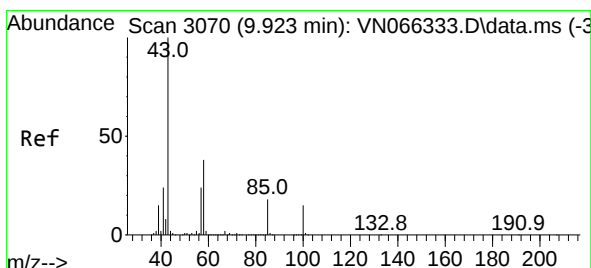
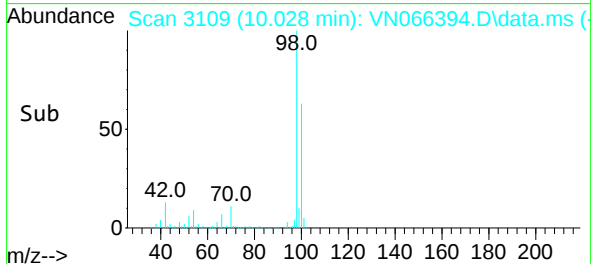
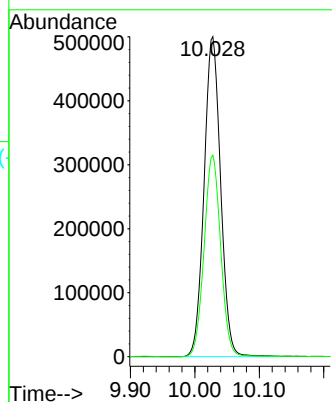
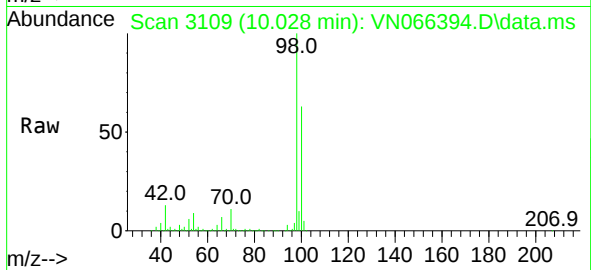




#50
Toluene-d8
Concen: 54.71 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

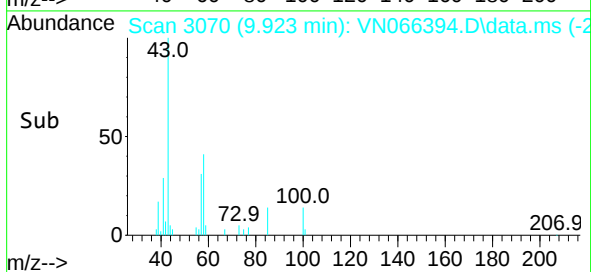
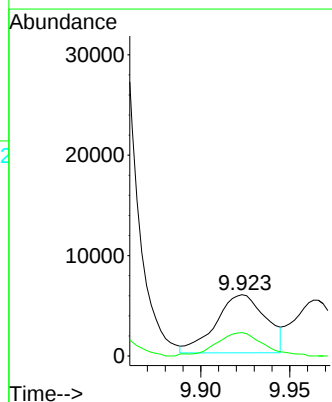
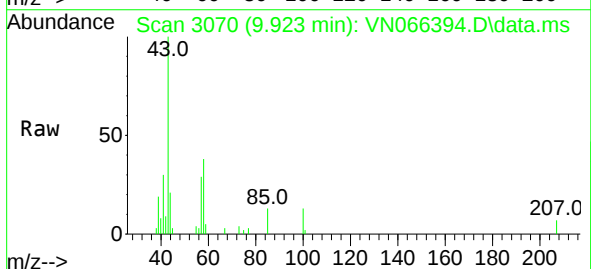
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

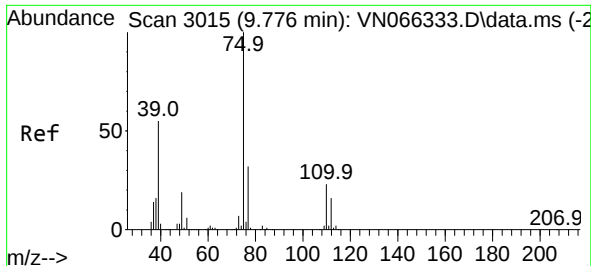
Tgt Ion: 98 Resp: 894739
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.69 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

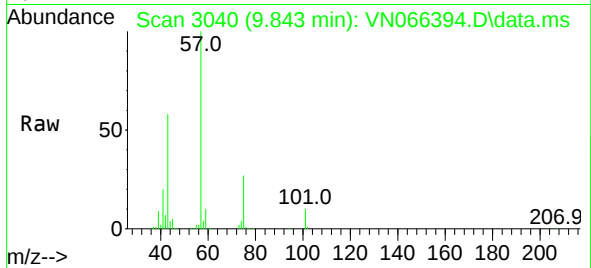
Tgt Ion: 43 Resp: 11351
Ion Ratio Lower Upper
43 100
58 37.4 30.8 46.2



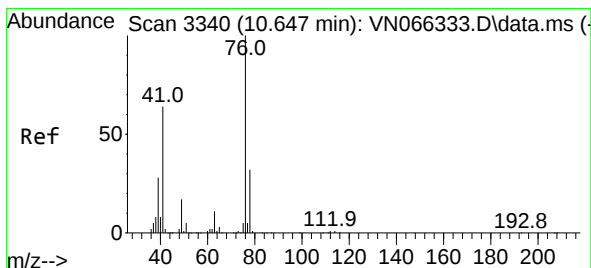
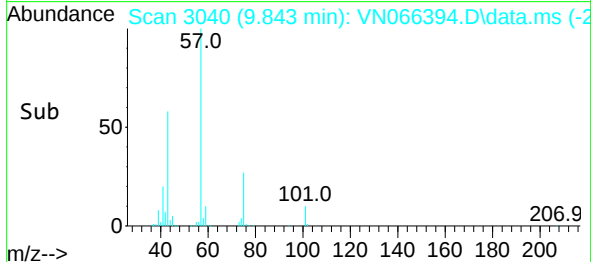
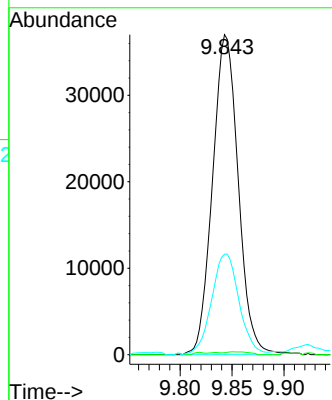


#54
 cis-1,3-Dichloropropene
 Concen: 8.19 ug/l
 RT: 9.843 min Scan# 3040
 Delta R.T. 0.067 min
 Lab File: VN066394.D
 Acq: 29 Mar 2021 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#01

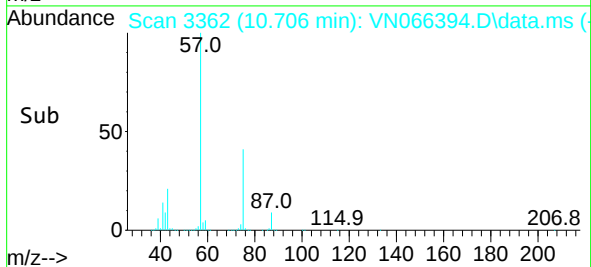
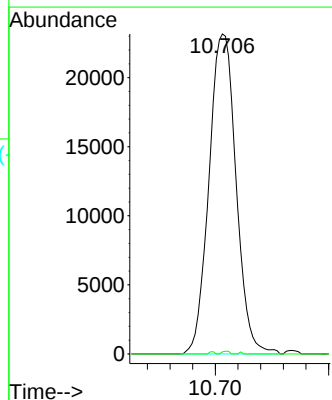
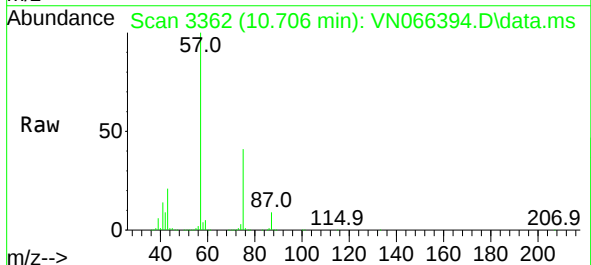


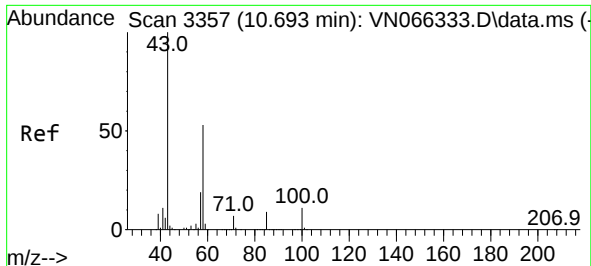
Tgt Ion: 75 Resp: 63612
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.2#
 39 31.0 44.2 66.4#



#57
 1,3-Dichloropropane
 Concen: 5.09 ug/l
 RT: 10.706 min Scan# 3362
 Delta R.T. 0.059 min
 Lab File: VN066394.D
 Acq: 29 Mar 2021 22:49

Tgt Ion: 76 Resp: 38437
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.9 38.9#

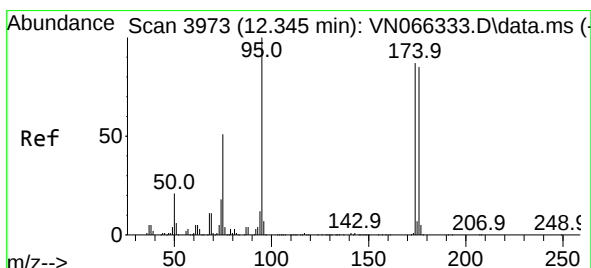
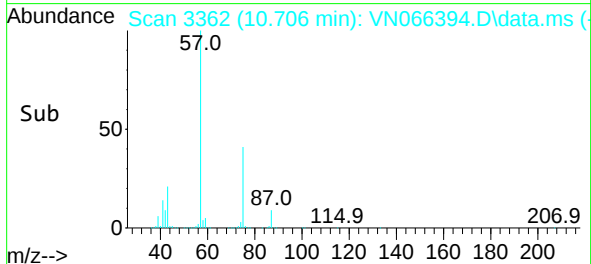
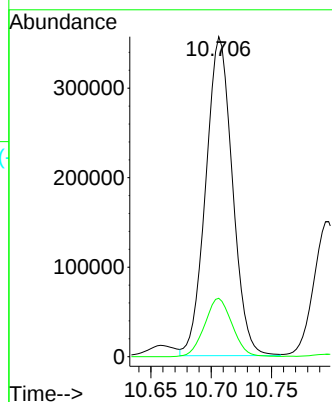
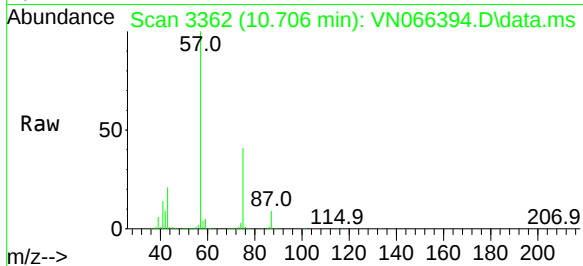




#59
2-Hexanone
Concen: 116.58 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

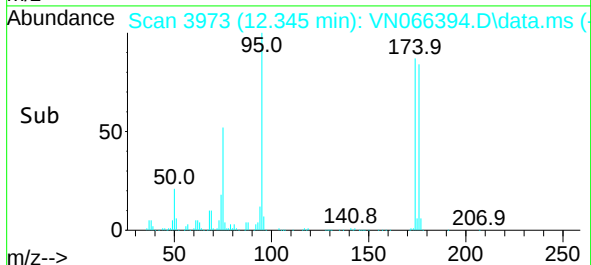
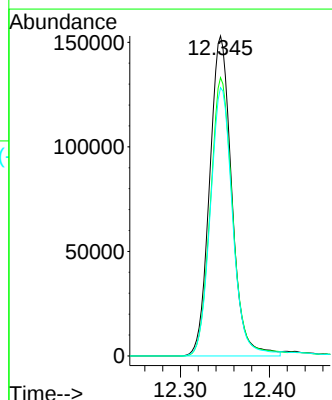
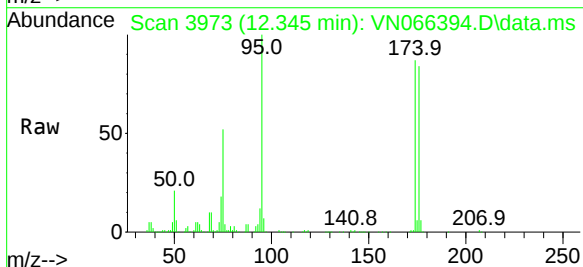
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

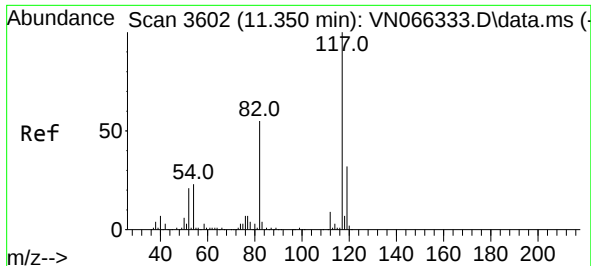
Tgt Ion: 43 Resp: 548635
Ion Ratio Lower Upper
43 100
58 19.0 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 46.41 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion: 95 Resp: 263647
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.2
176 84.1 0.0 167.8

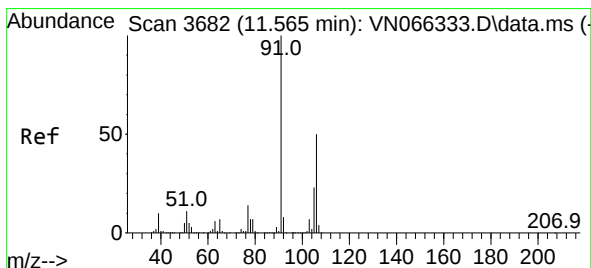
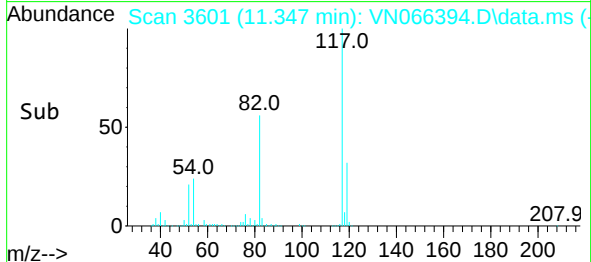
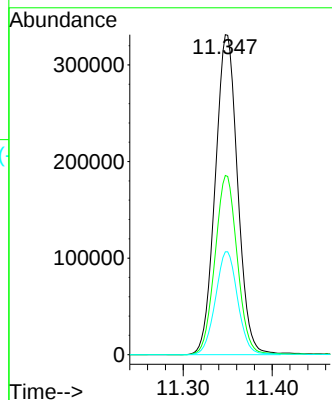
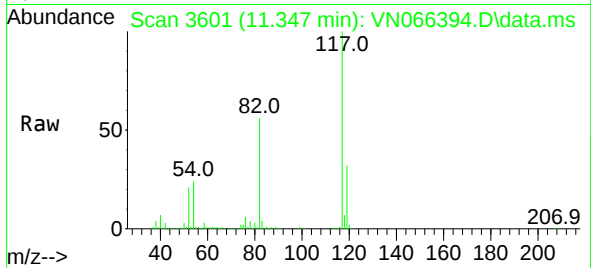




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

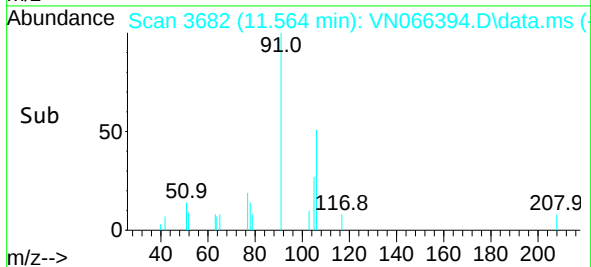
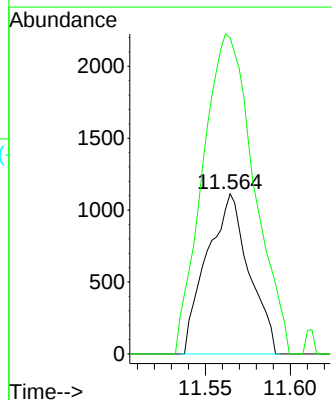
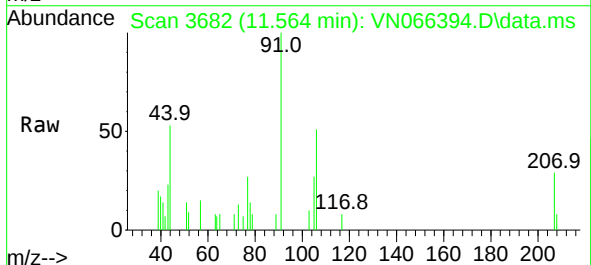
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

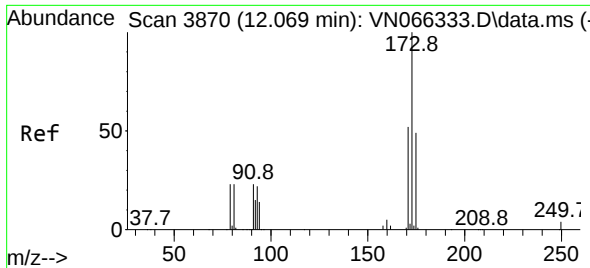
Tgt Ion:117 Resp: 579394
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.4
119 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 0.24 ug/l
RT: 11.564 min Scan# 3682
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion:106 Resp: 1918
Ion Ratio Lower Upper
106 100
91 243.4 162.7 244.1

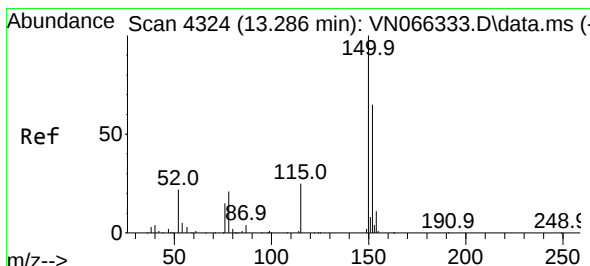
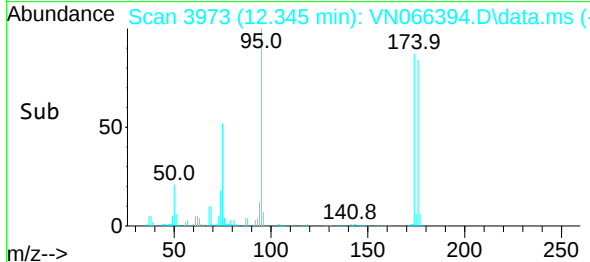
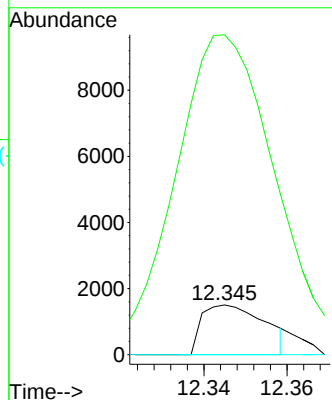
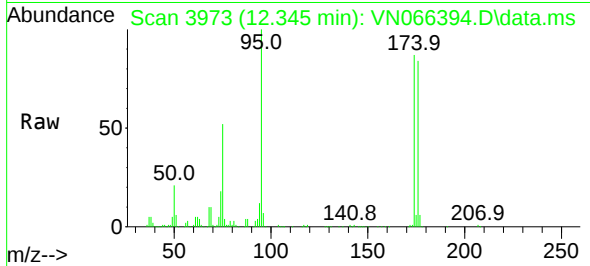




#71
Bromoform
Concen: 0.42 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

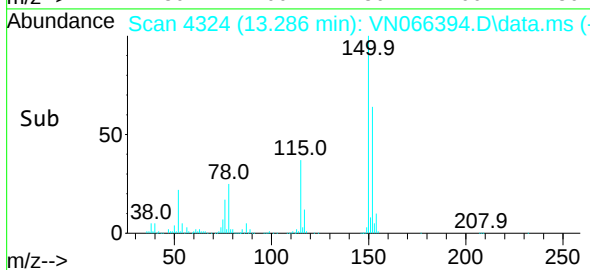
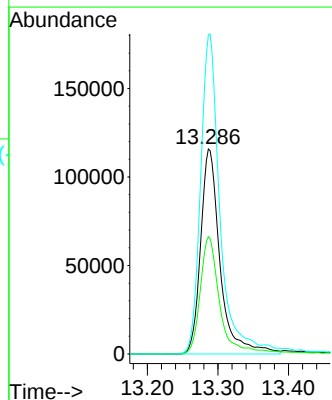
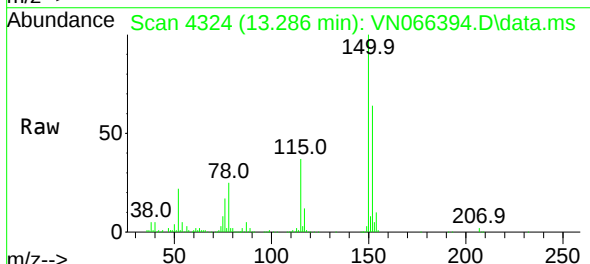
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

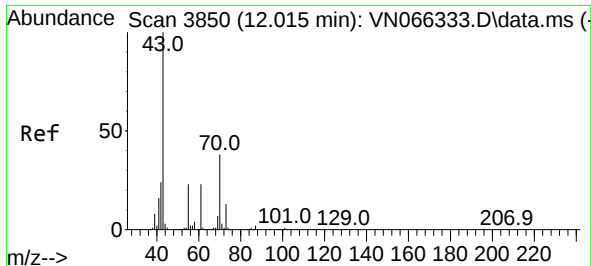
Tgt Ion:173 Resp: 1572
Ion Ratio Lower Upper
173 100
175 931.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion:152 Resp: 222200
Ion Ratio Lower Upper
152 100
115 58.2 27.8 83.4
150 153.3 0.0 348.4

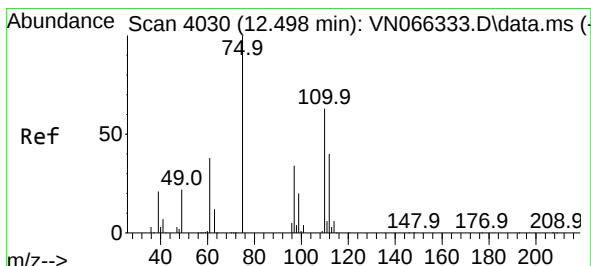
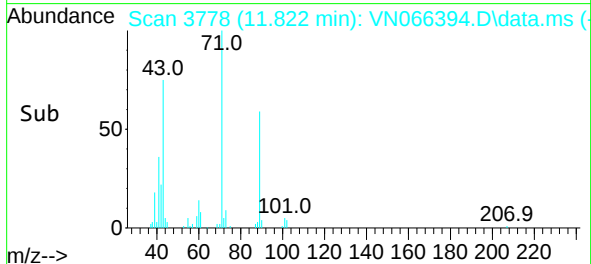
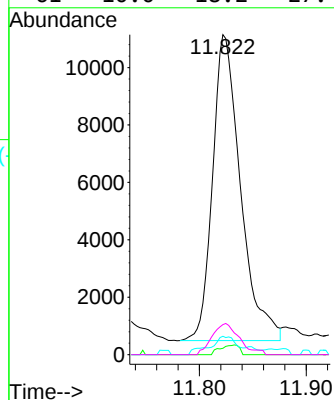
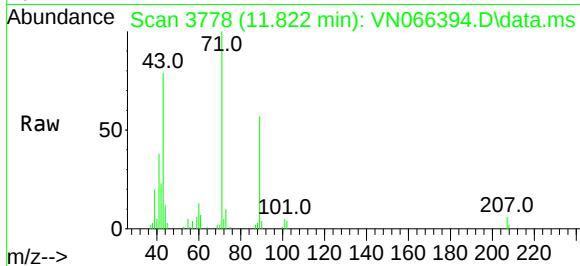




#74
N-amy1 acetate
Concen: 5.98 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

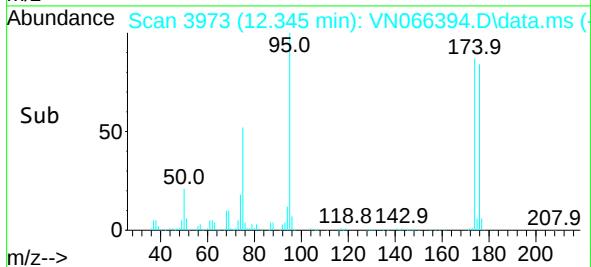
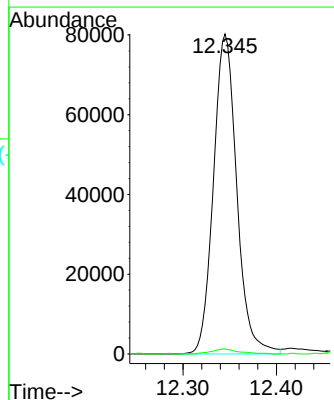
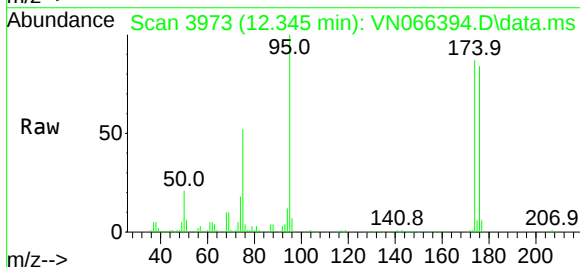
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

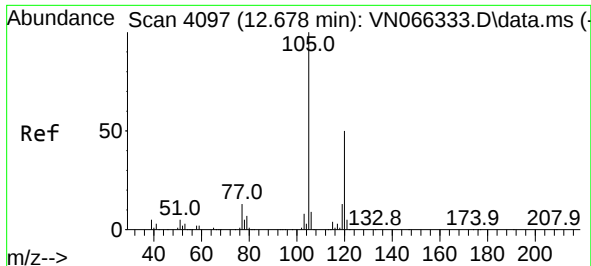
Tgt Ion: 43	Resp: 19373
Ion Ratio	Lower Upper
43 100	
70 2.2	31.2 46.8#
55 5.7	18.6 28.0#
61 10.0	18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 28.53 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion: 75	Resp: 139110
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#

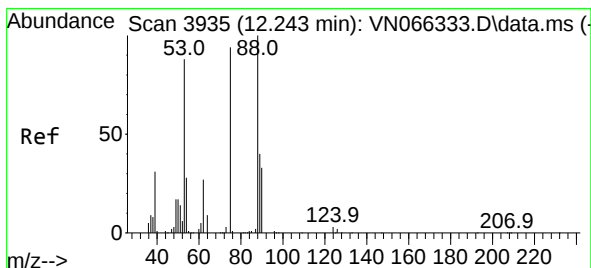
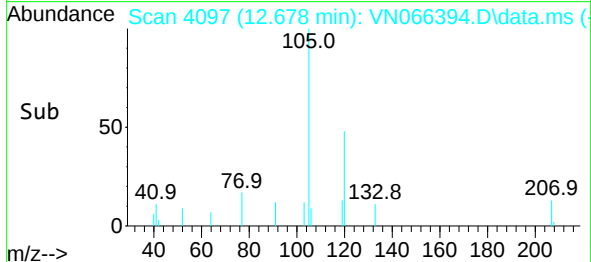
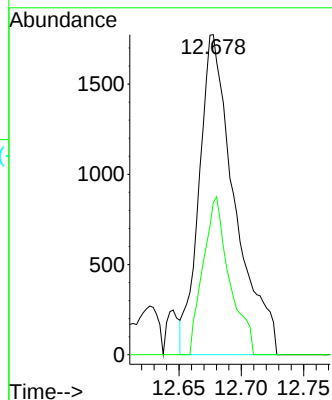
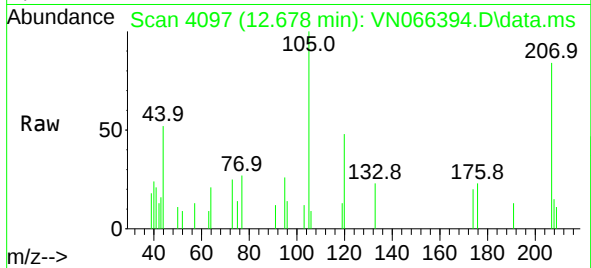




#80
1,3,5-Trimethylbenzene
Concen: 0.26 ug/l
RT: 12.678 min Scan# 4097
Delta R.T. -0.000 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

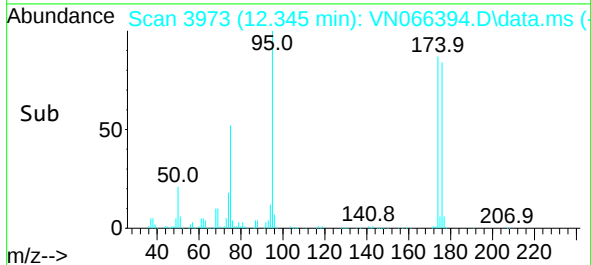
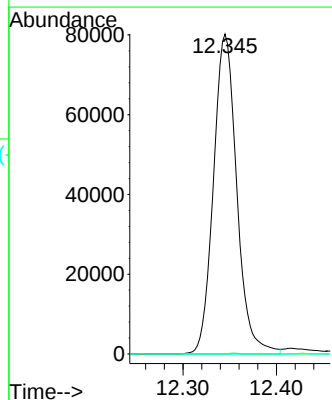
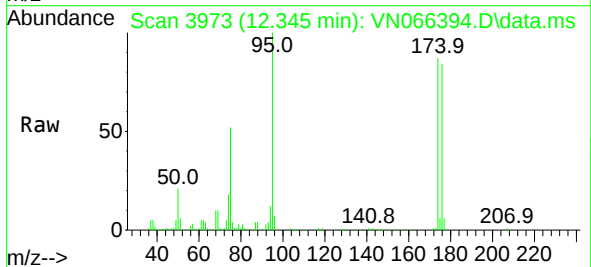
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

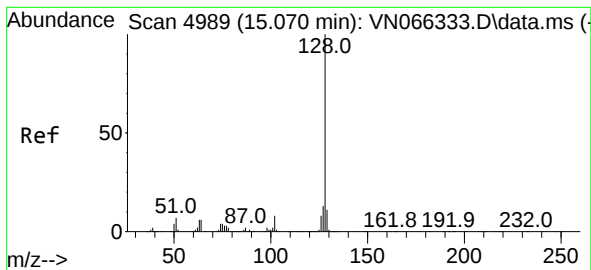
Tgt Ion:105 Resp: 3516
Ion Ratio Lower Upper
105 100
120 36.6 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 85.80 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion: 75 Resp: 139110
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#

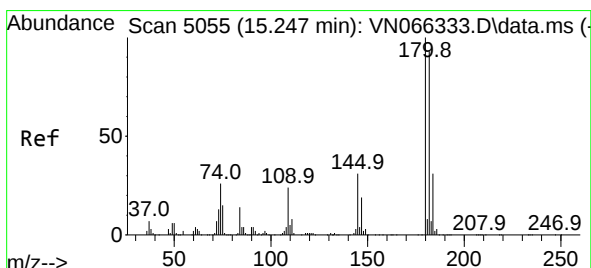
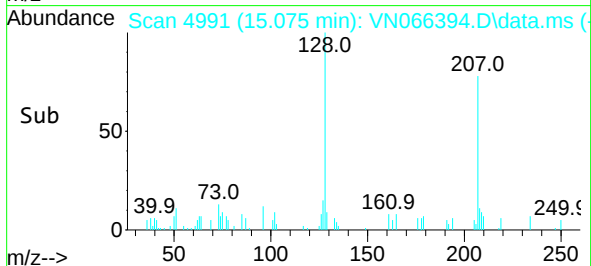
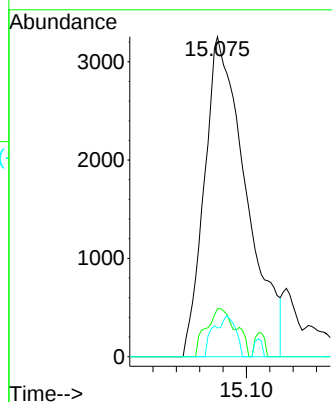
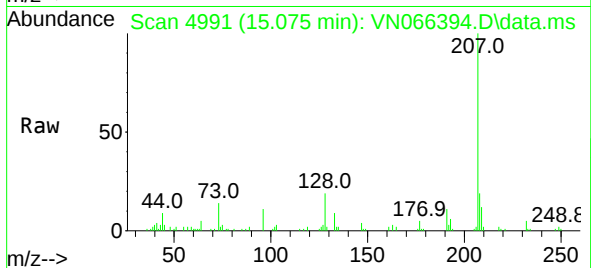




#95
Naphthalene
Concen: 1.68 ug/l
RT: 15.075 min Scan# 4991
Delta R.T. 0.005 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#01

Tgt Ion:128 Resp: 8065
Ion Ratio Lower Upper
128 100
127 10.7 10.5 15.7
129 6.7 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 0.30 ug/l
RT: 15.252 min Scan# 5057
Delta R.T. 0.005 min
Lab File: VN066394.D
Acq: 29 Mar 2021 22:49

Tgt Ion:180 Resp: 1283
Ion Ratio Lower Upper
180 100
182 91.6 47.6 142.9
145 22.8 15.4 46.1

