

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040621\
 Data File : VN066504.D
 Acq On : 6 Apr 2021 20:13
 Operator : JC/MD
 Sample : M1934-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

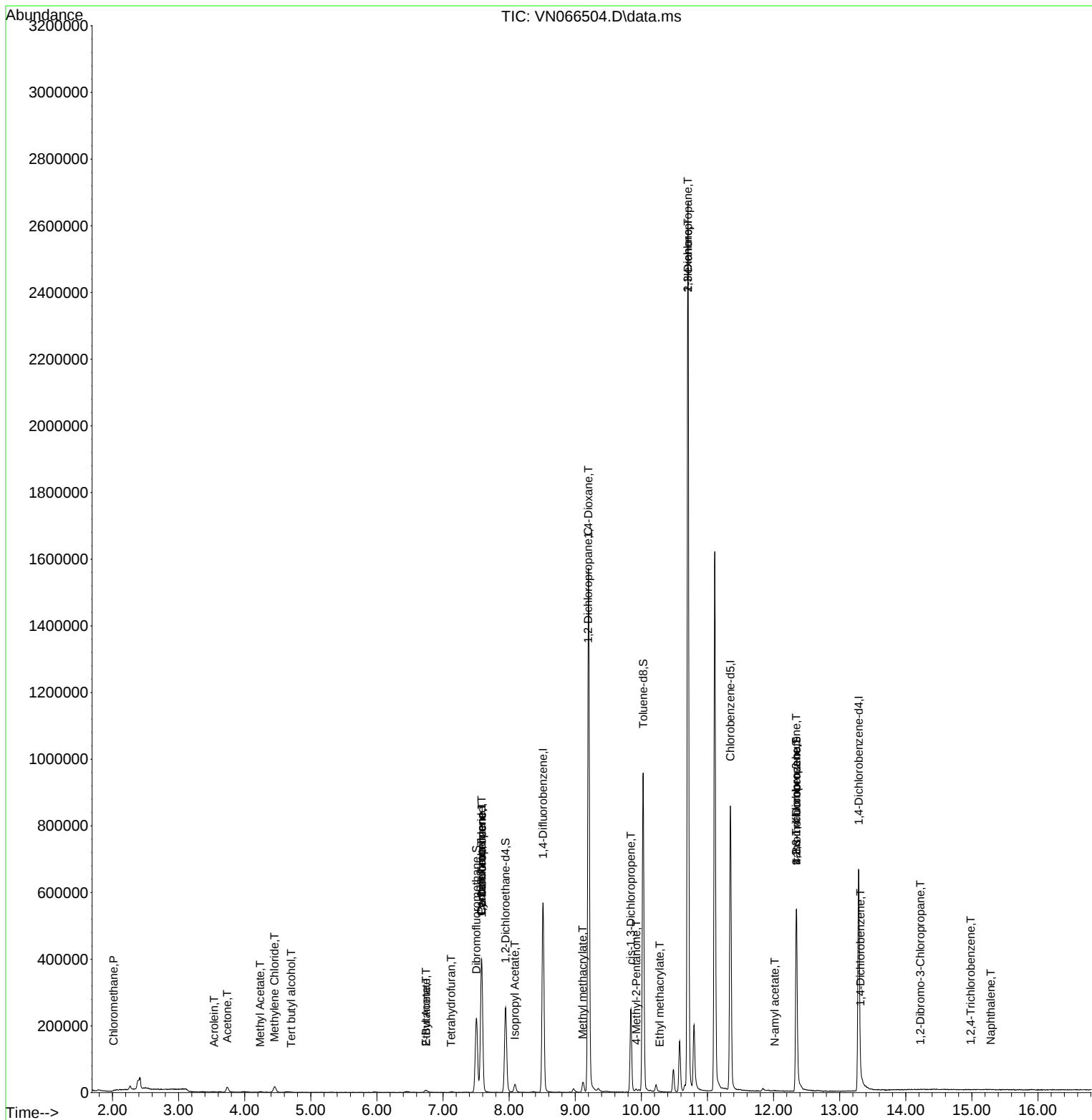
Quant Time: Apr 07 04:49:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

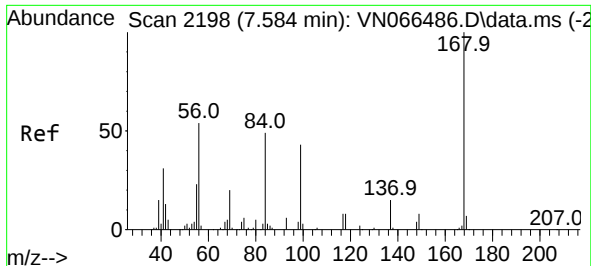
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.584	168	337649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	509701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	496975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	212799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	212971	47.89	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.78%		
35) Dibromofluoromethane	7.504	113	171518	49.37	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.74%		
50) Toluene-d8	10.028	98	647278	49.04	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.08%		
62) 4-Bromofluorobenzene	12.348	95	197945	46.25	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.50%		
Target Compounds					Qvalue	
3) Chloromethane	2.019	50	1026	0.21	ug/l #	56
11) Tert butyl alcohol	4.701	59	737	1.03	ug/l #	85
13) Acrolein	3.537	56	787	5.66	ug/l	86
16) Acetone	3.736	43	24564	13.18	ug/l	95
18) Methyl Acetate	4.235	43	1939	0.42	ug/l #	85
20) Methylene Chloride	4.452	84	11951	2.99	ug/l	94
25) 2-Butanone	6.745	43	10756	3.85	ug/l	95
29) Tetrahydrofuran	7.123	42	747	0.40	ug/l #	47
31) Cyclohexane	7.582	56	7071	1.16	ug/l #	3
36) 1,1-Dichloropropene	7.587	75	24111	4.87	ug/l #	49
37) Ethyl Acetate	6.745	43	10756	1.75	ug/l #	69
38) Carbon Tetrachloride	7.584	117	31010	6.18	ug/l #	16
43) Isopropyl Acetate	8.089	43	29674	3.13	ug/l	99
45) 1,2-Dichloropropane	9.194	63	884	0.21	ug/l #	43
48) Methyl methacrylate	9.110	41	7990	1.90	ug/l #	12
49) 1,4-Dioxane	9.199	88	113	1.98	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	5780	1.03	ug/l	96
54) cis-1,3-Dichloropropene	9.843	75	44757	7.08	ug/l #	60
56) Ethyl methacrylate	10.277	69	256	3.76	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	26519	4.17	ug/l #	42
59) 2-Hexanone	10.706	43	376236	94.20	ug/l #	53
74) N-amyl acetate	12.018	43	231	12.76	ug/l #	38
76) 1,2,3-Trichloropropane	12.345	75	103608	21.58	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	103608	60.18	ug/l #	12
88) 1,4-Dichlorobenzene	13.313	146	60	1.01	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.220	75	53	0.38	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.984	180	28	2.24	ug/l #	12
95) Naphthalene	15.287	128	1051	2.05	ug/l #	69

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

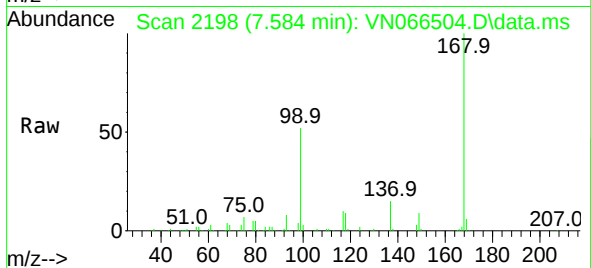
Quant Time: Apr 07 04:49:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
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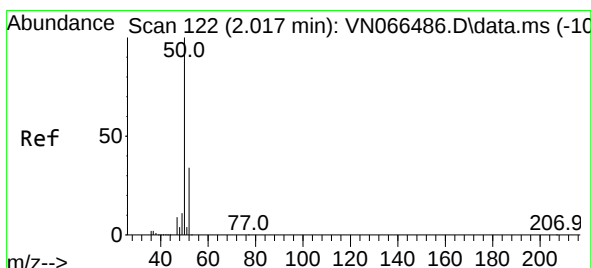
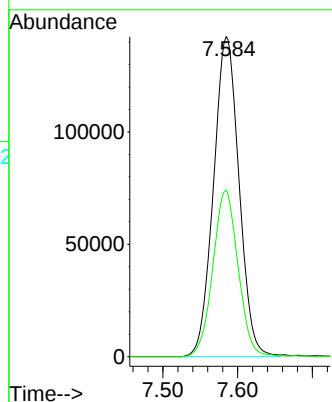
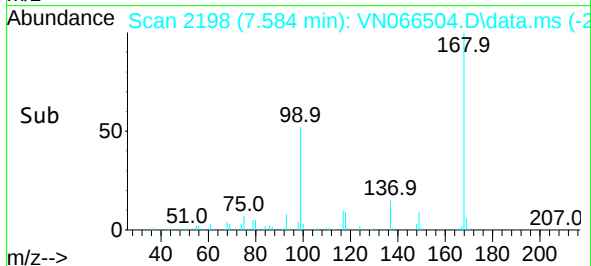


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

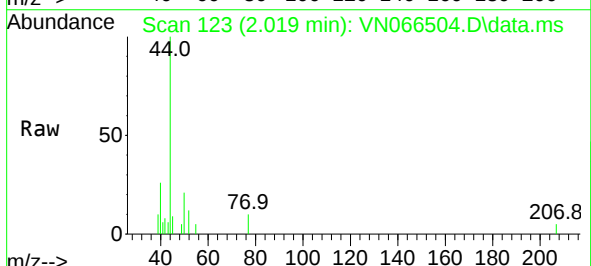
Instrument :
MSVOA_N
ClientSampled :



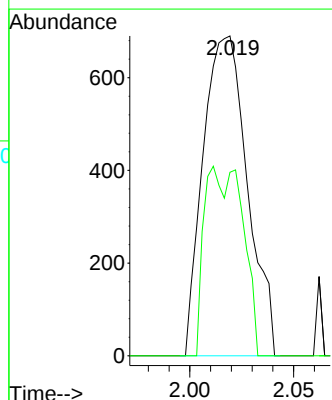
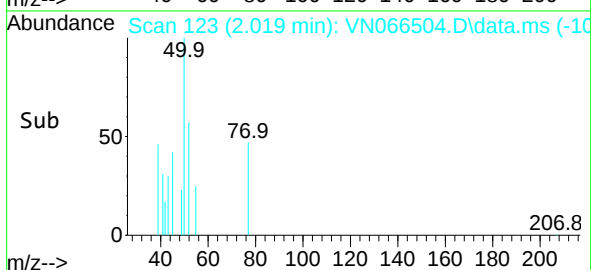
Tgt Ion:168 Resp: 337649
Ion Ratio Lower Upper
168 100
99 52.1 41.1 61.7

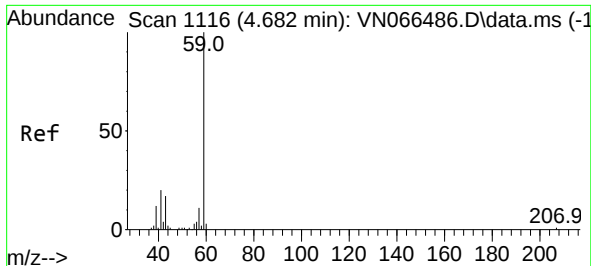


#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13



Tgt Ion: 50 Resp: 1026
Ion Ratio Lower Upper
50 100
52 57.4 26.2 39.2#



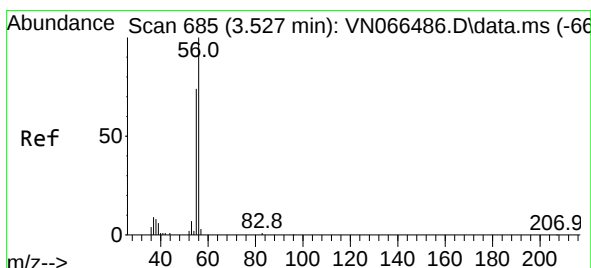
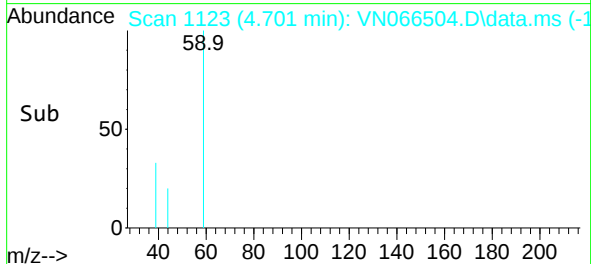
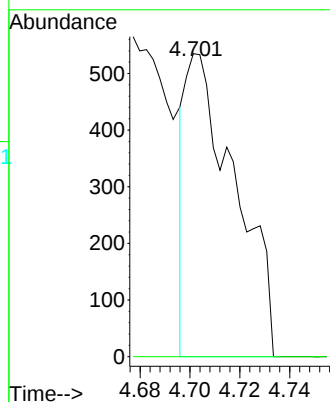
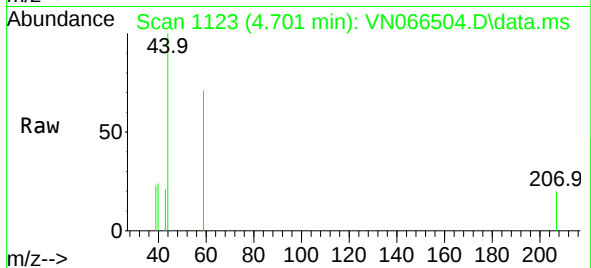


#11

Tert butyl alcohol
Concen: 1.03 ug/l
RT: 4.701 min Scan# 1123
Delta R.T. 0.019 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

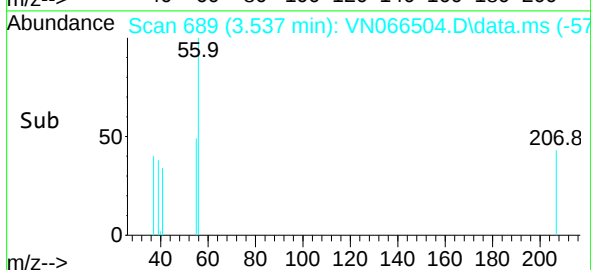
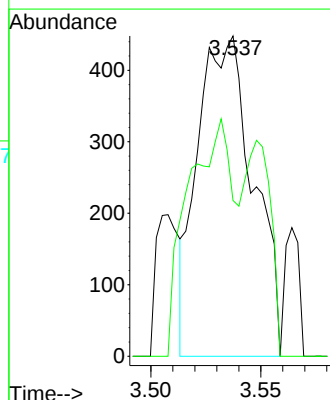
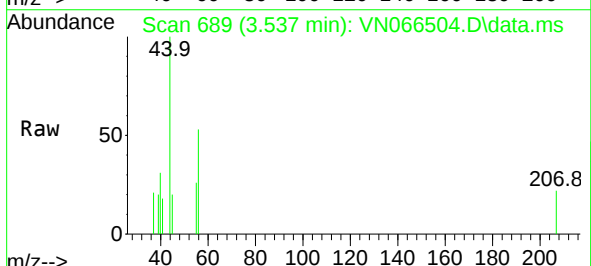
Tgt Ion: 59 Resp: 737
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

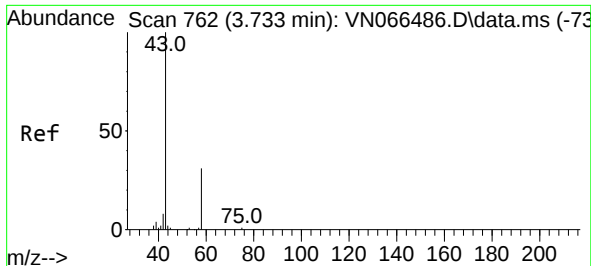


#13

Acrolein
Concen: 5.66 ug/l
RT: 3.537 min Scan# 689
Delta R.T. 0.010 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

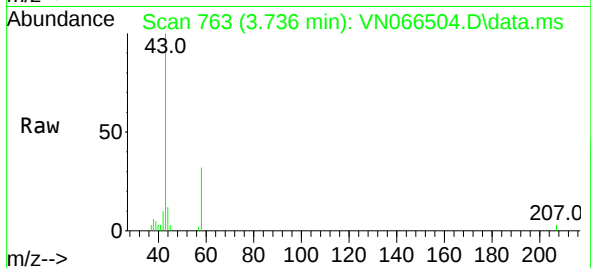
Tgt Ion: 56 Resp: 787
Ion Ratio Lower Upper
56 100
55 61.0 57.9 86.9



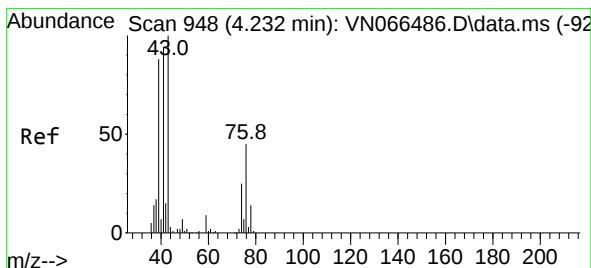
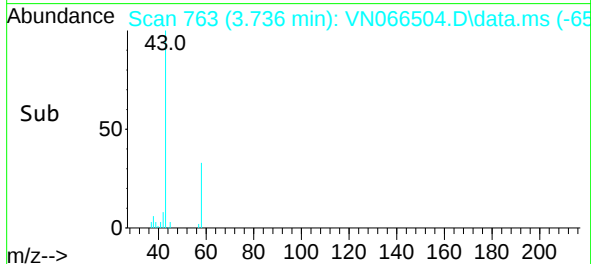
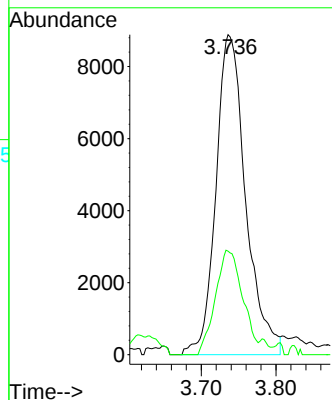


#16
Acetone
Concen: 13.18 ug/l
RT: 3.736 min Scan# 763
Delta R.T. 0.003 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

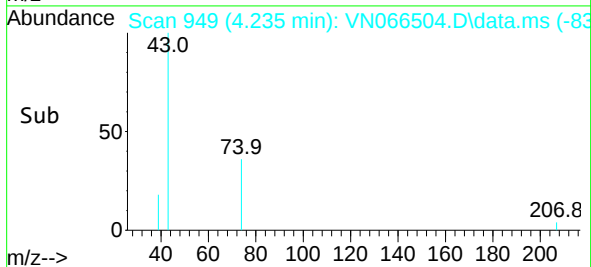
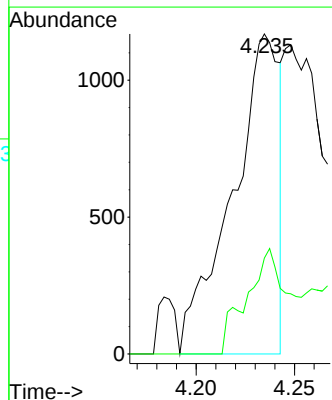
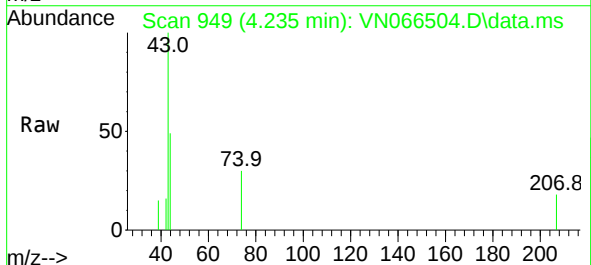


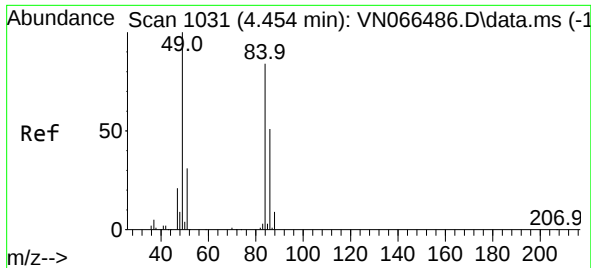
Tgt Ion: 43 Resp: 24564
Ion Ratio Lower Upper
43 100
58 32.3 23.8 35.8



#18
Methyl Acetate
Concen: 0.42 ug/l
RT: 4.235 min Scan# 949
Delta R.T. 0.003 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

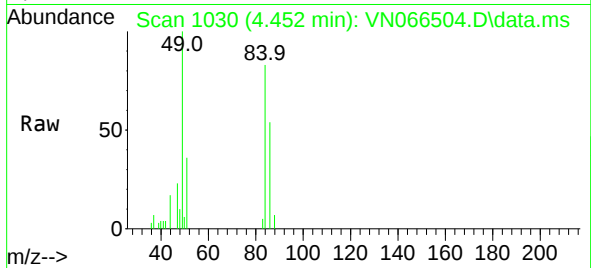
Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
74 29.2 17.6 26.4#



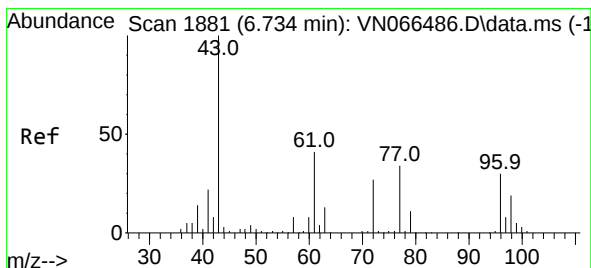
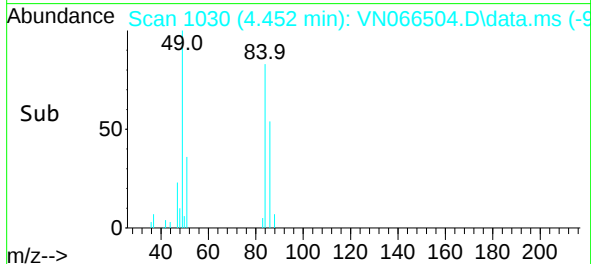
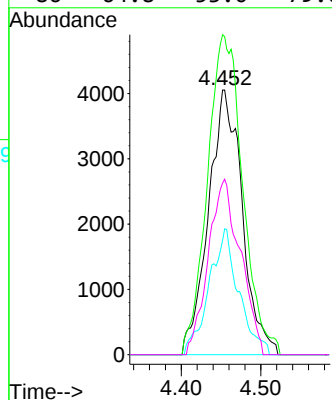


#20
Methylene Chloride
Concen: 2.99 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.002 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

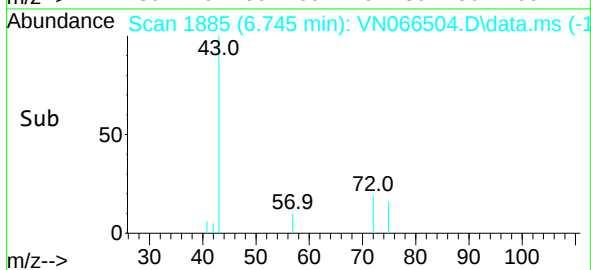
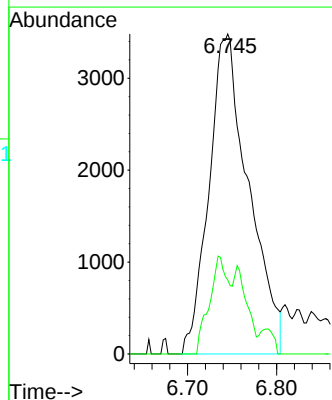
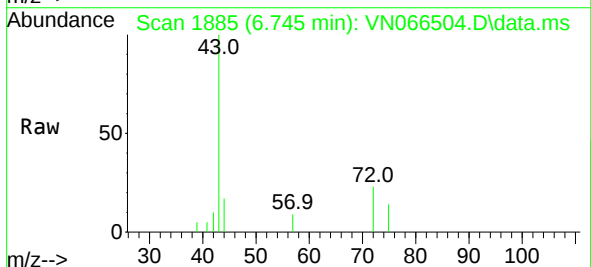


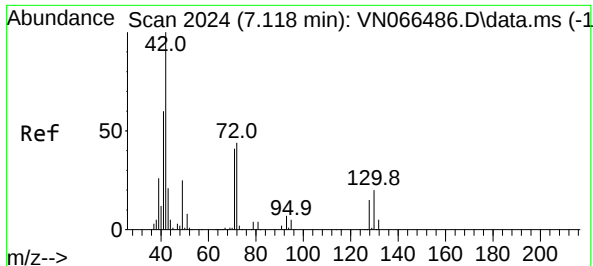
Tgt Ion: 84 Resp: 11951
Ion Ratio Lower Upper
84 100
49 120.9 105.0 157.6
51 43.1 31.6 47.4
86 64.8 53.0 79.6



#25
2-Butanone
Concen: 3.85 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. 0.011 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion: 43 Resp: 10756
Ion Ratio Lower Upper
43 100
72 23.1 20.7 31.1





#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 7.123 min Scan# 2026

Delta R.T. 0.005 min

Lab File: VN066504.D

Acq: 6 Apr 2021 20:13

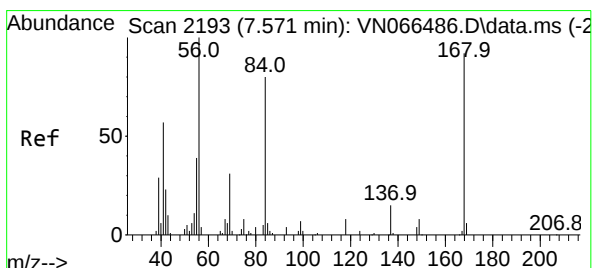
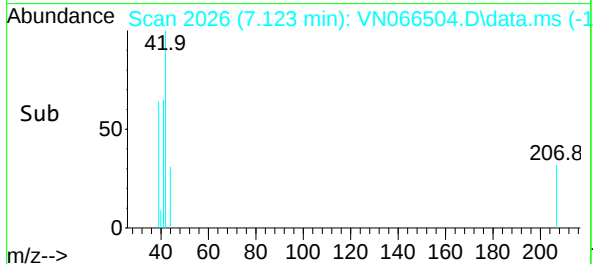
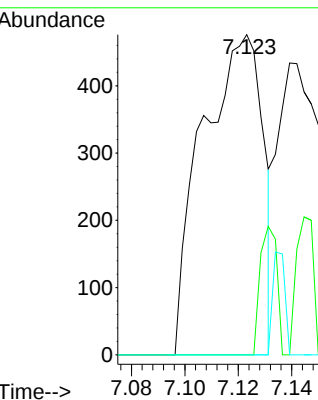
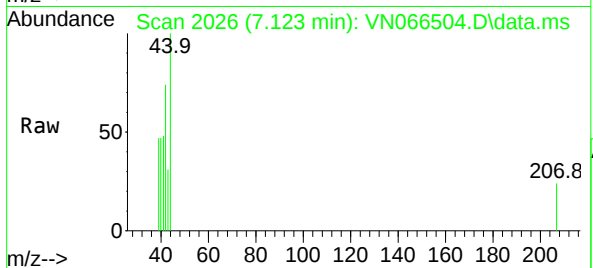
Tgt Ion: 42 Resp: 747

Ion Ratio Lower Upper

42 100

72 11.1 35.2 52.8#

71 6.6 33.1 49.7#



#31

Cyclohexane

Concen: 1.16 ug/l

RT: 7.582 min Scan# 2197

Delta R.T. 0.011 min

Lab File: VN066504.D

Acq: 6 Apr 2021 20:13

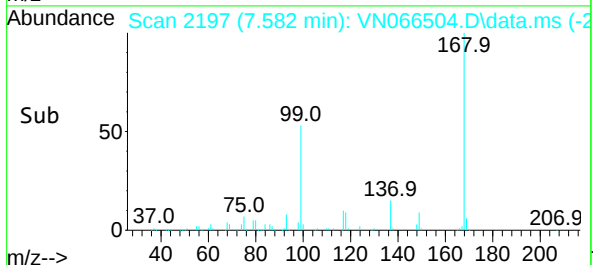
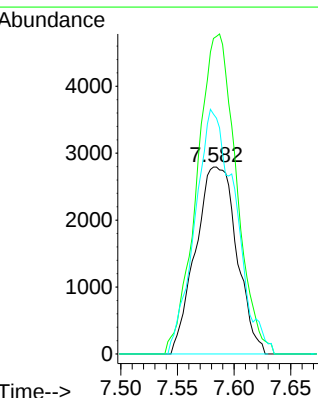
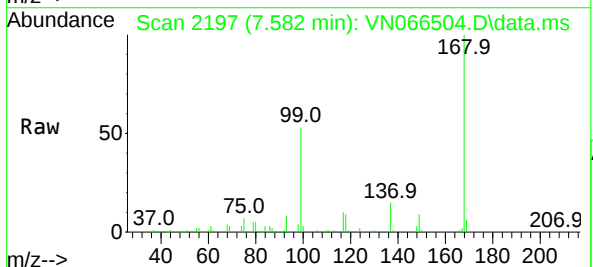
Tgt Ion: 56 Resp: 7071

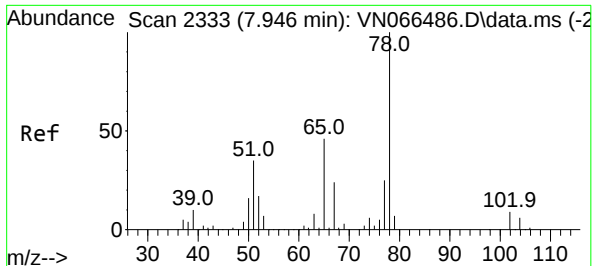
Ion Ratio Lower Upper

56 100

69 163.0 26.6 40.0#

84 128.3 68.7 103.1#

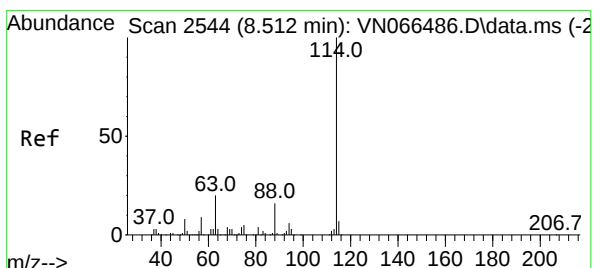
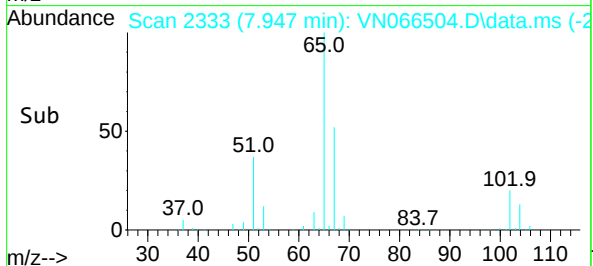
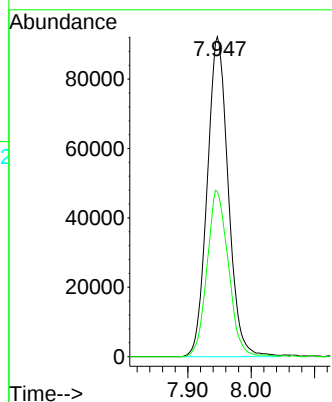
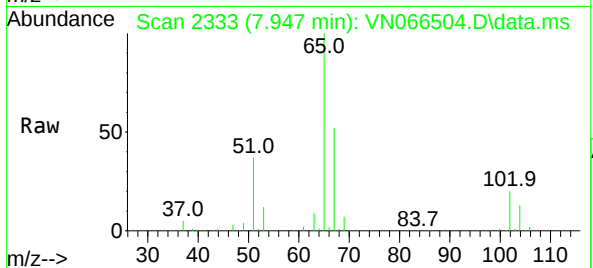




#33
1,2-Dichloroethane-d4
Concen: 47.89 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.001 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

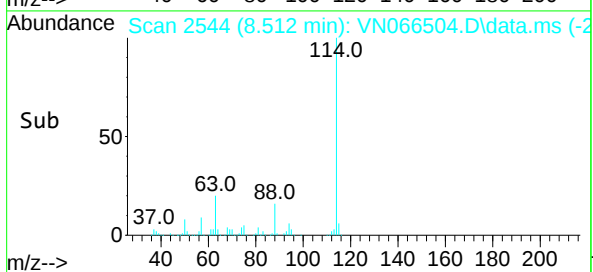
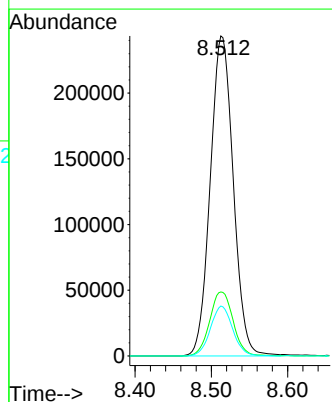
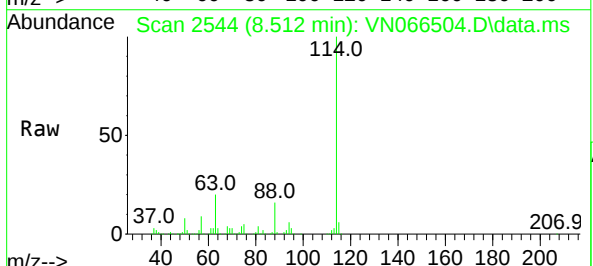
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ClientSampled :

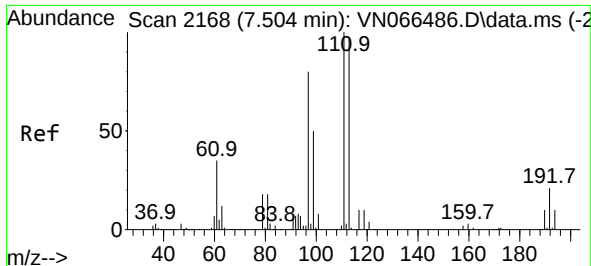
Tgt Ion: 65 Resp: 212971
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. 0.000 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion: 114 Resp: 509701
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.0
88 15.6 0.0 31.0

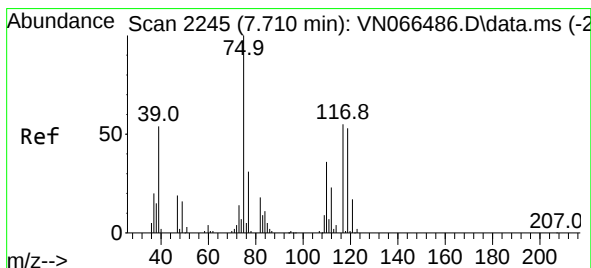
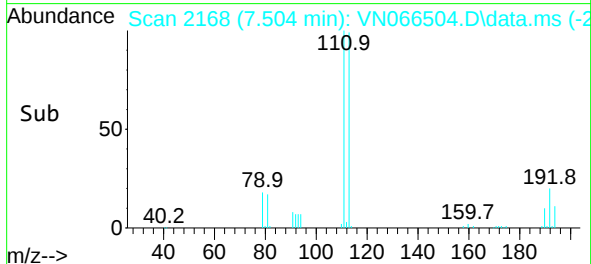
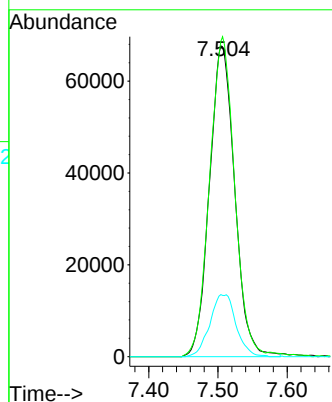
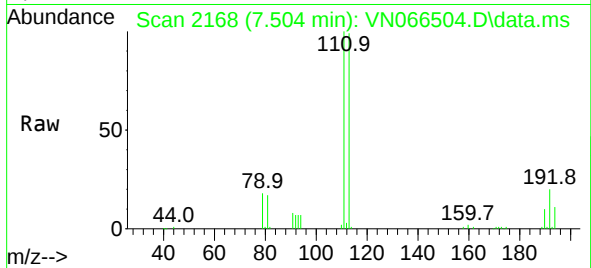




#35
Dibromofluoromethane
Concen: 49.37 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. -0.000 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

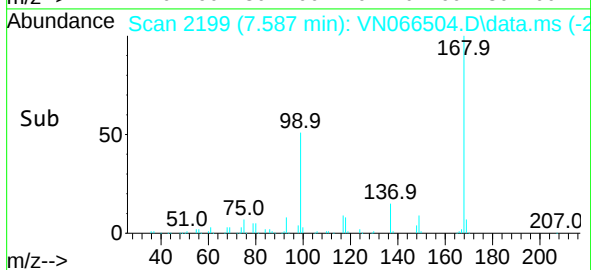
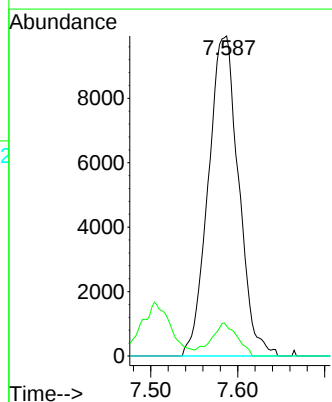
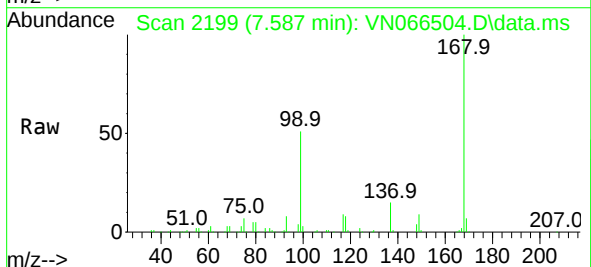
Instrument :
MSVOA_N
ClientSampled :

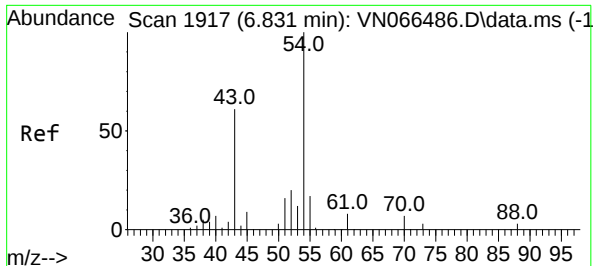
Tgt Ion:113 Resp: 171518
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.8
192 20.7 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion: 75 Resp: 24111
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.75 ug/l

RT: 6.745 min Scan# 1885

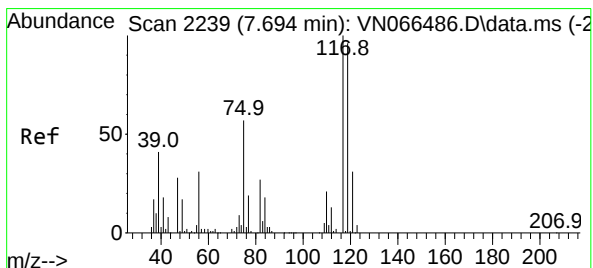
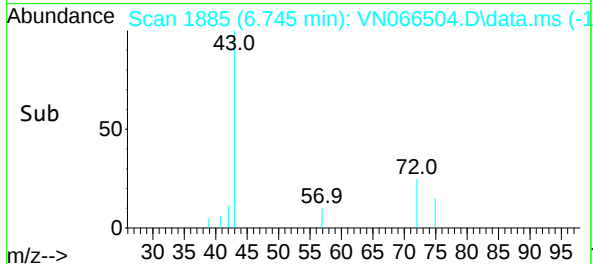
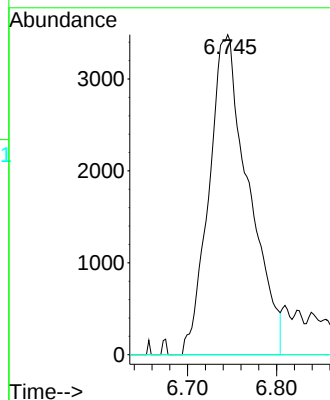
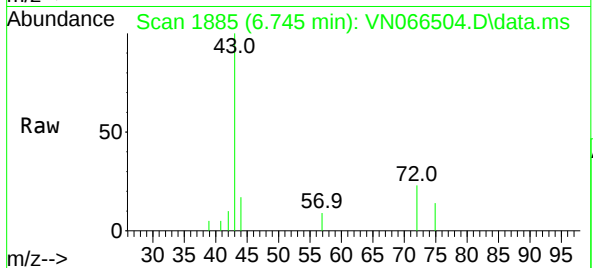
Delta R.T. -0.086 min

Lab File: VN066504.D

Acq: 6 Apr 2021 20:13

Tgt Ion:	43	Resp:	10756
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.0	12.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.18 ug/l

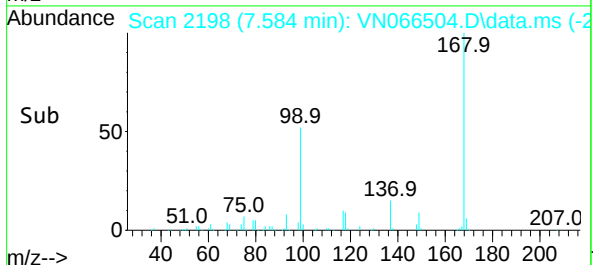
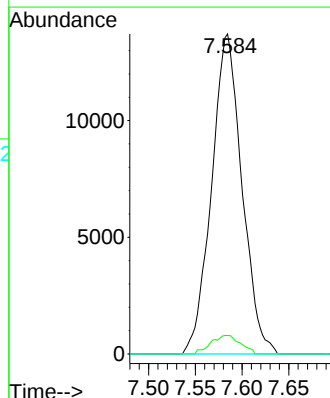
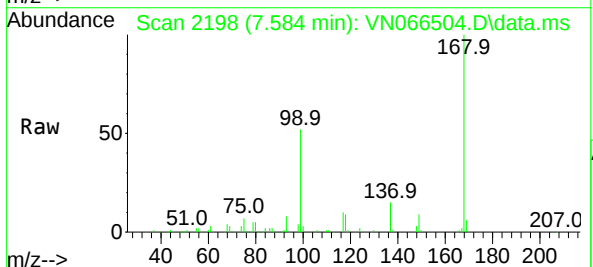
RT: 7.584 min Scan# 2198

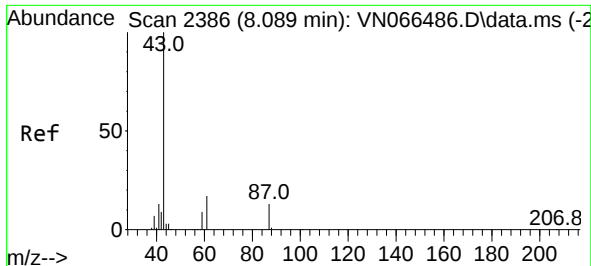
Delta R.T. -0.110 min

Lab File: VN066504.D

Acq: 6 Apr 2021 20:13

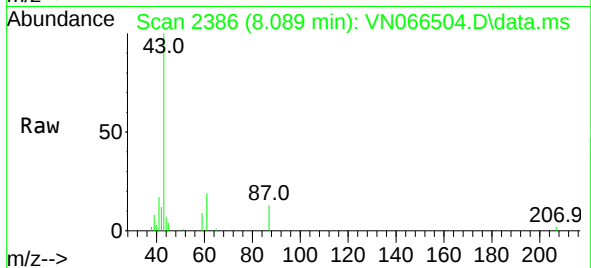
Tgt Ion:	117	Resp:	31010
Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.2	115.8#
121	0.0	24.2	36.4#



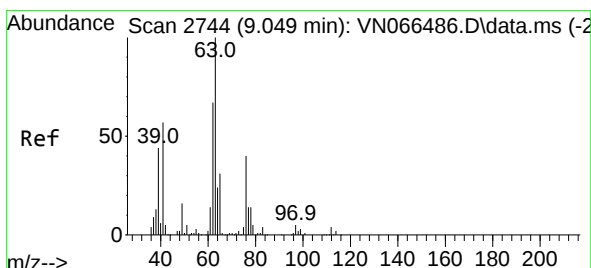
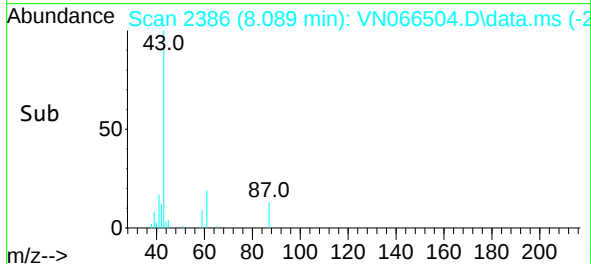
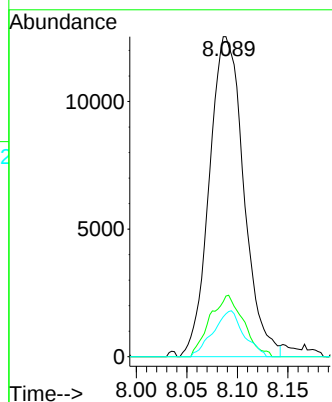


#43
Isopropyl Acetate
Concen: 3.13 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

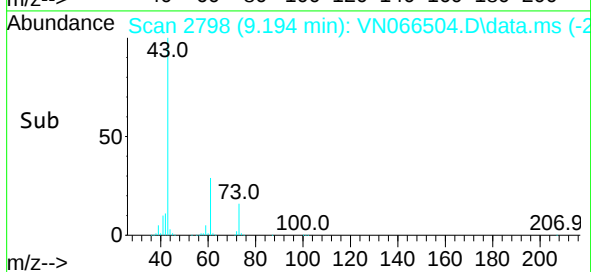
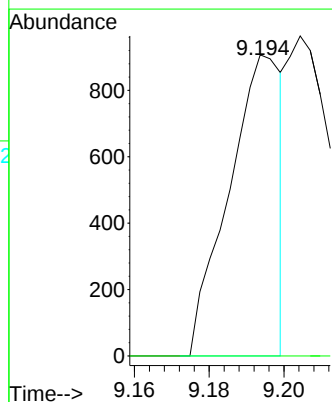
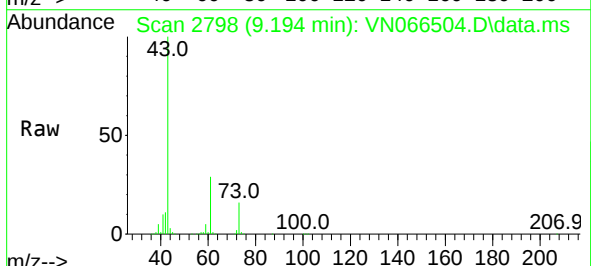


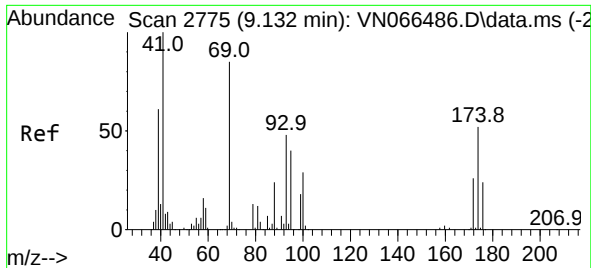
Tgt Ion: 43 Resp: 29674
Ion Ratio Lower Upper
43 100
61 18.8 15.5 23.3
87 12.7 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.21 ug/l
RT: 9.194 min Scan# 2798
Delta R.T. 0.145 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

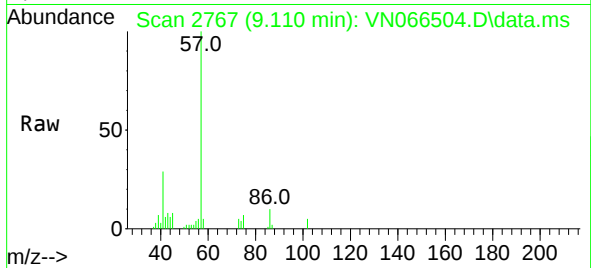
Tgt Ion: 63 Resp: 884
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



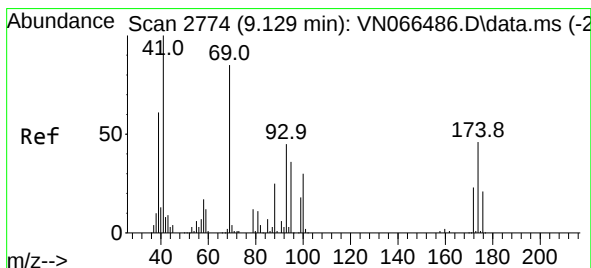
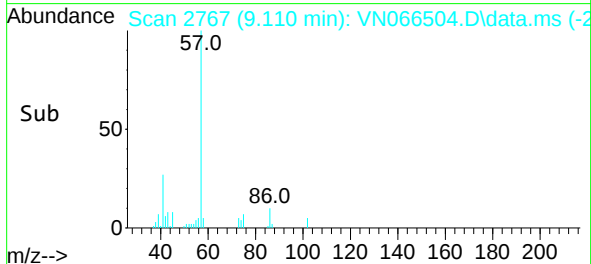
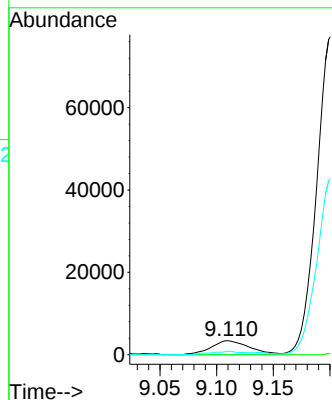


#48
Methyl methacrylate
Concen: 1.90 ug/l
RT: 9.110 min Scan# 2767
Delta R.T. -0.022 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

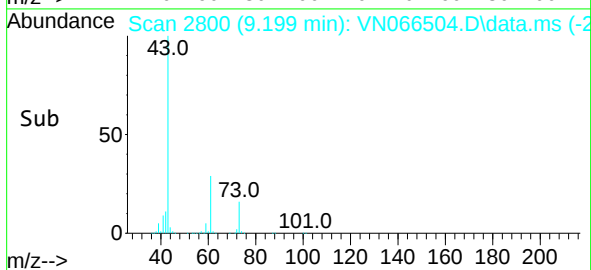
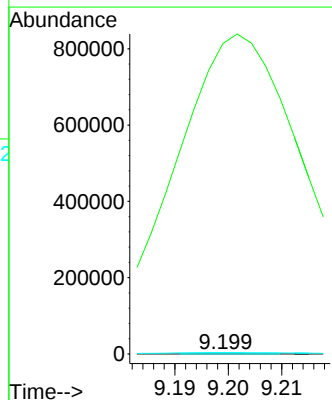
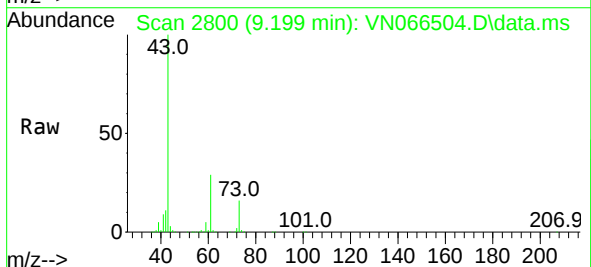


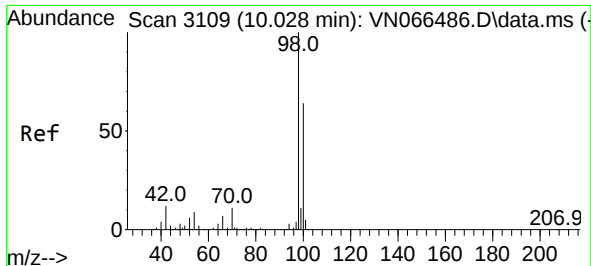
Tgt Ion: 41 Resp: 7990
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 1.98 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.070 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 1369672.6 28.2 42.4#
58 6809.7 56.6 84.8#

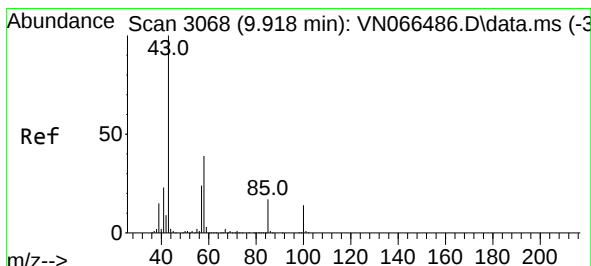
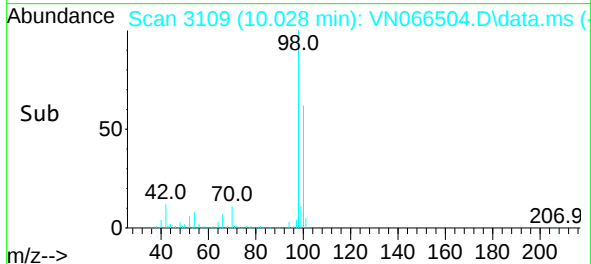
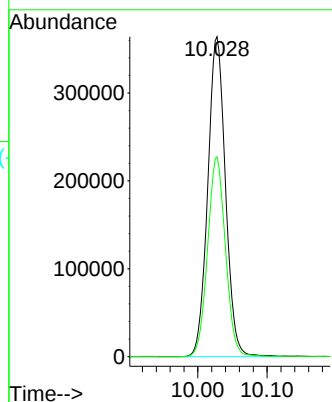
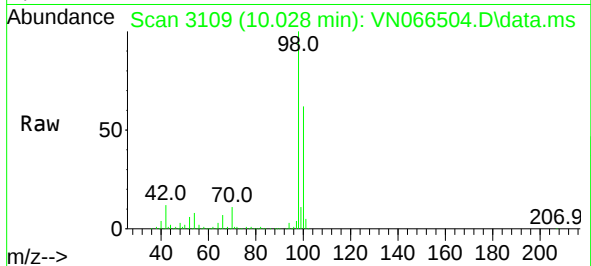




#50
Toluene-d8
Concen: 49.04 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

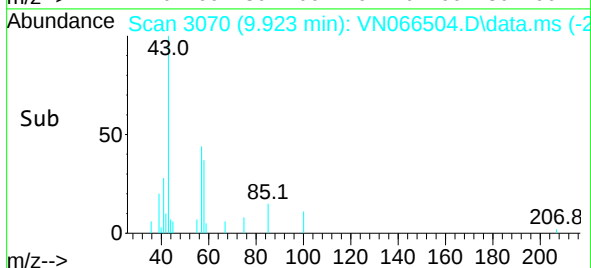
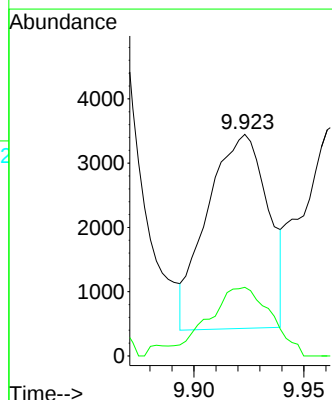
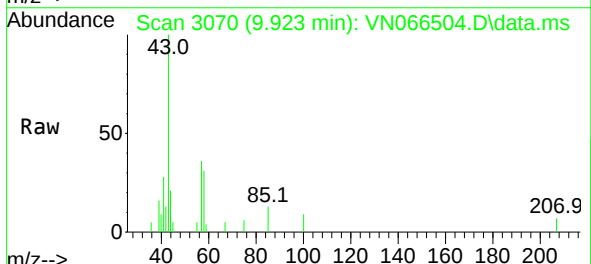
Instrument :
MSVOA_N
ClientSampleId :

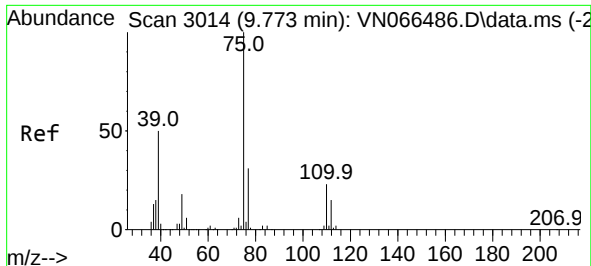
Tgt Ion: 98 Resp: 647278
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.03 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

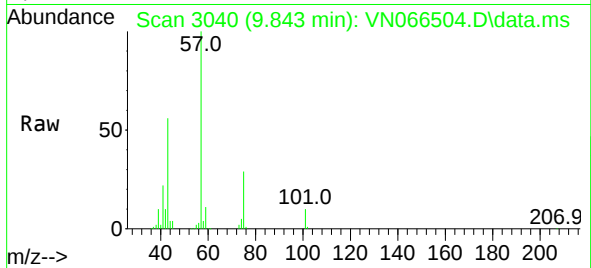
Tgt Ion: 43 Resp: 5780
Ion Ratio Lower Upper
43 100
58 36.3 30.8 46.2



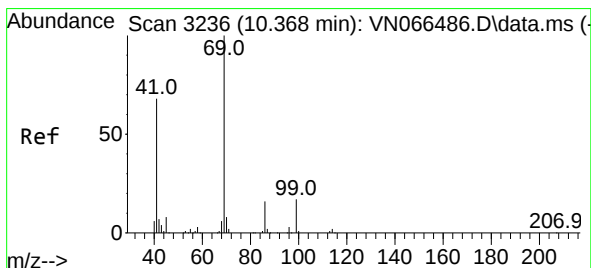
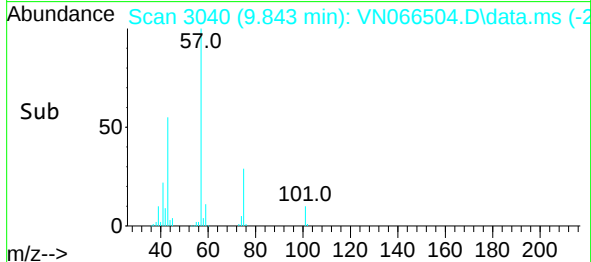
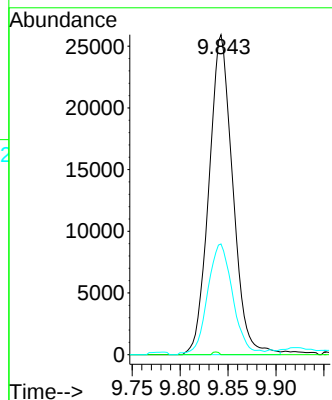


#54
 cis-1,3-Dichloropropene
 Concen: 7.08 ug/l
 RT: 9.843 min Scan# 3040
 Delta R.T. 0.070 min
 Lab File: VN066504.D
 Acq: 6 Apr 2021 20:13

Instrument :
 MSVOA_N
 ClientSampled :

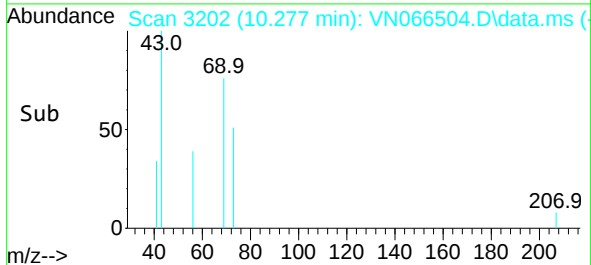
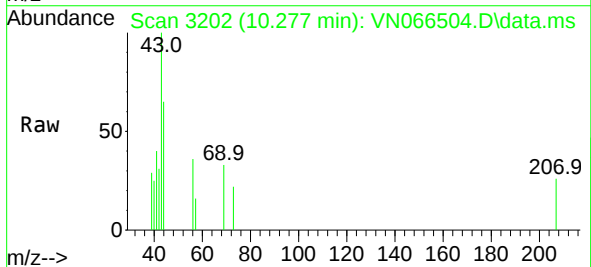
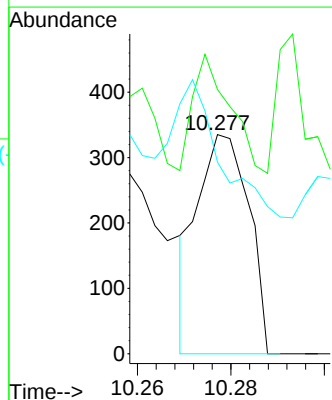


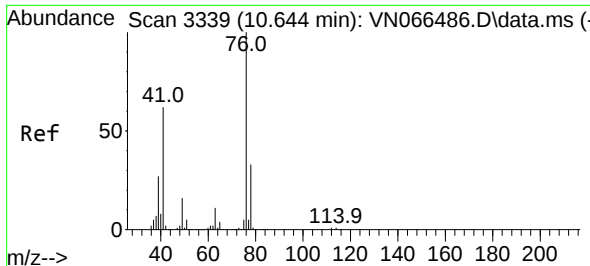
Tgt Ion: 75 Resp: 44757
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 34.0 44.2 66.4#



#56
 Ethyl methacrylate
 Concen: 3.76 ug/l
 RT: 10.277 min Scan# 3202
 Delta R.T. -0.091 min
 Lab File: VN066504.D
 Acq: 6 Apr 2021 20:13

Tgt Ion: 69 Resp: 256
 Ion Ratio Lower Upper
 69 100
 41 0.0 55.3 82.9#
 39 0.0 33.8 50.6#

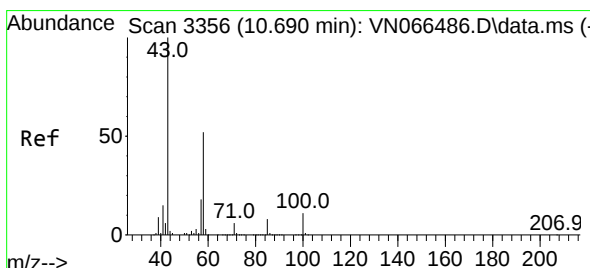
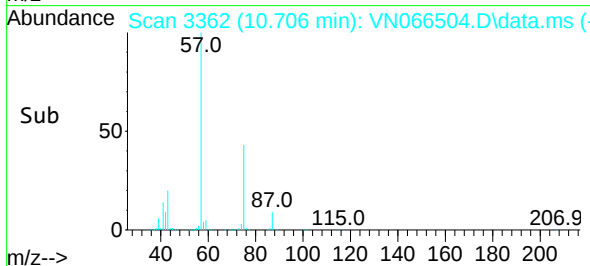
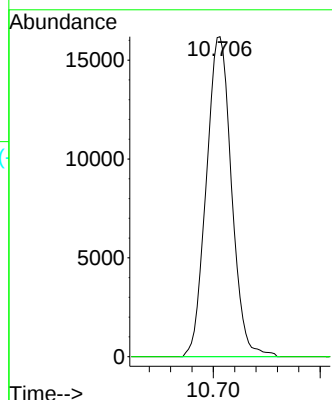
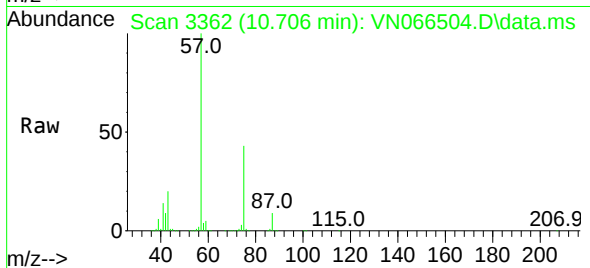




#57
1,3-Dichloropropane
Concen: 4.17 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

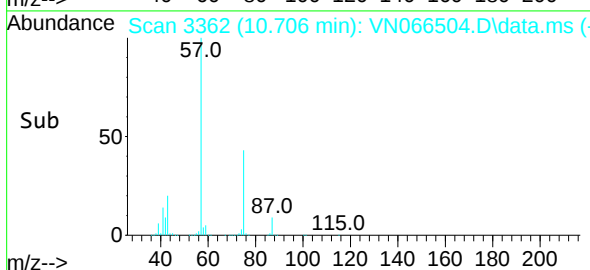
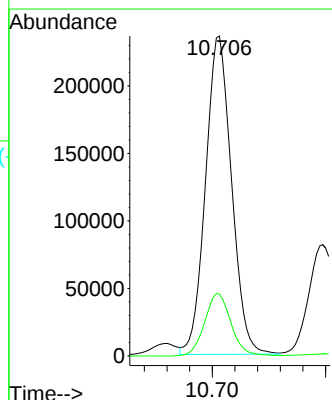
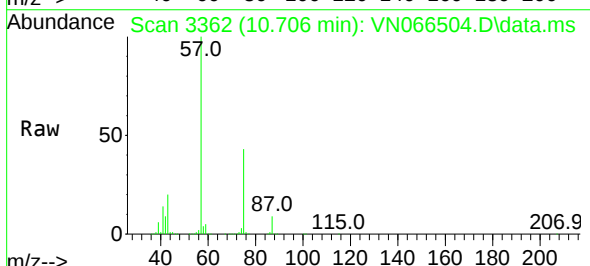
Instrument :
MSVOA_N
ClientSampled :

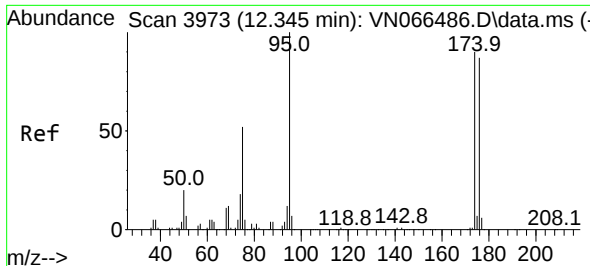
Tgt Ion: 76 Resp: 26519
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 94.20 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

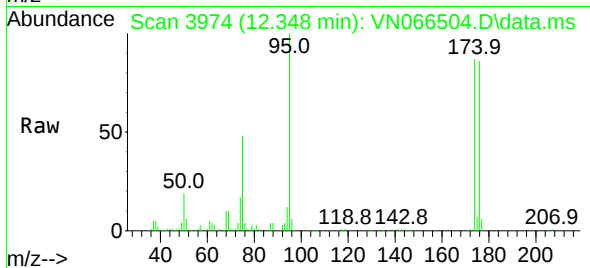
Tgt Ion: 43 Resp: 376236
Ion Ratio Lower Upper
43 100
58 19.9 26.6 79.8#



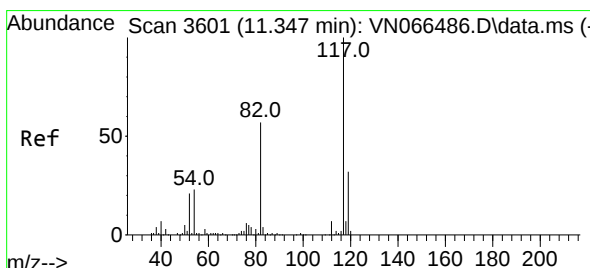
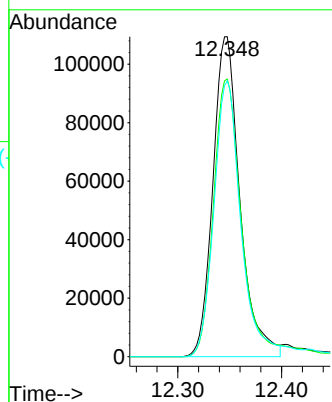
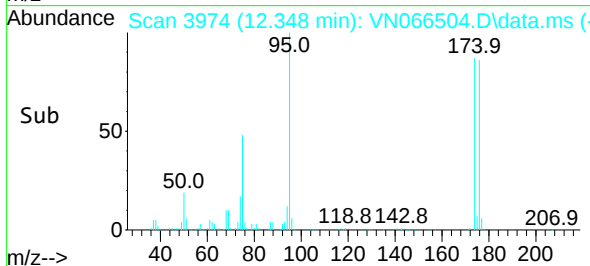


#62
4-Bromofluorobenzene
Concen: 46.25 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

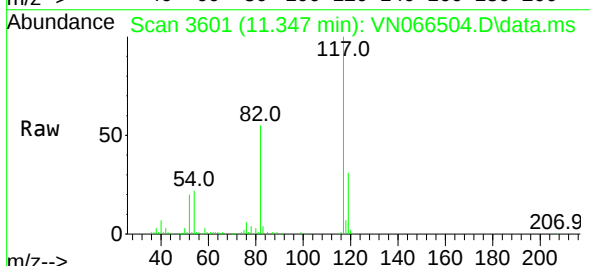
Instrument :
MSVOA_N
ClientSampleId :



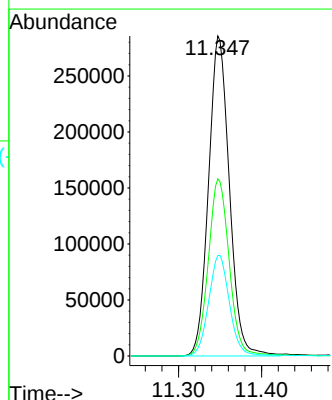
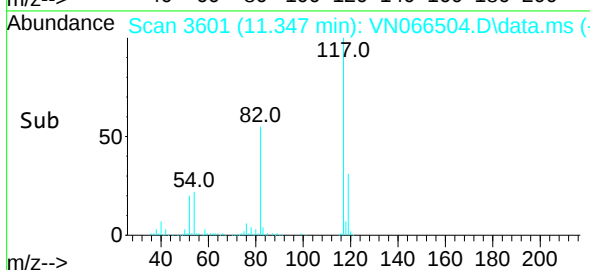
Tgt Ion: 95 Resp: 197945
Ion Ratio Lower Upper
95 100
174 92.2 0.0 172.2
176 87.3 0.0 167.8

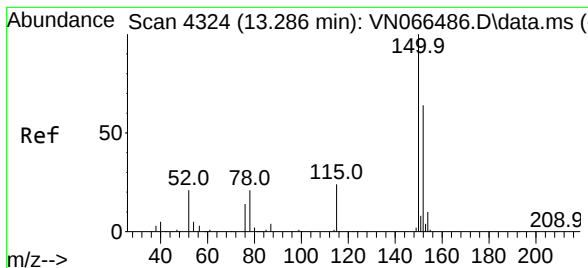


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13



Tgt Ion: 117 Resp: 496975
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.4
119 31.4 25.8 38.6



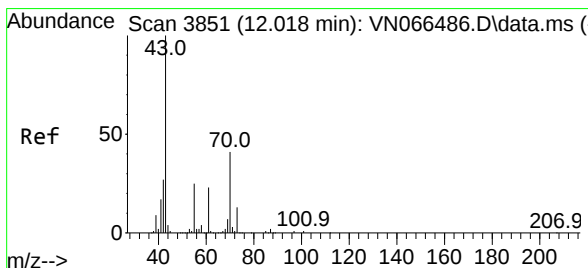
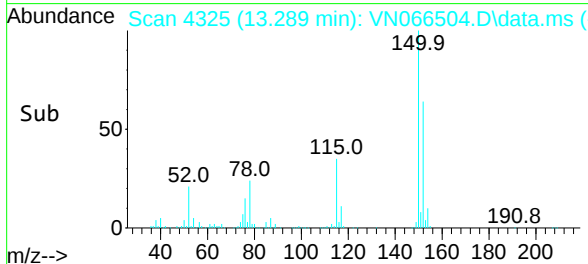
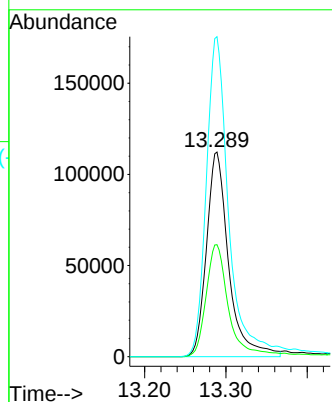
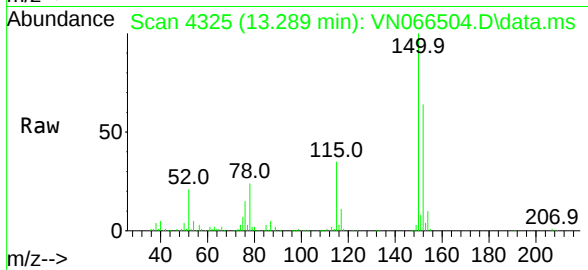


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

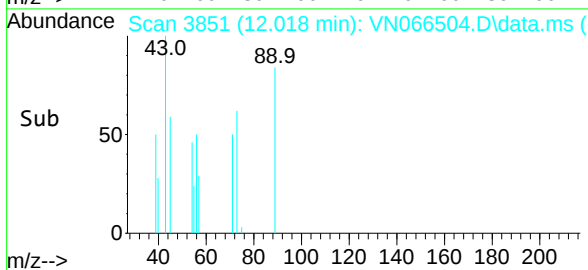
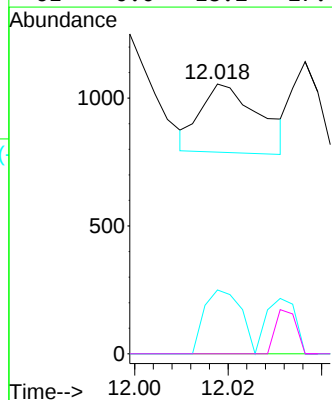
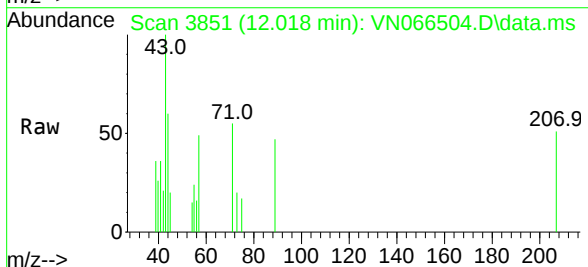
Tgt Ion:152 Resp: 212799
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.4
150 156.1 0.0 348.4

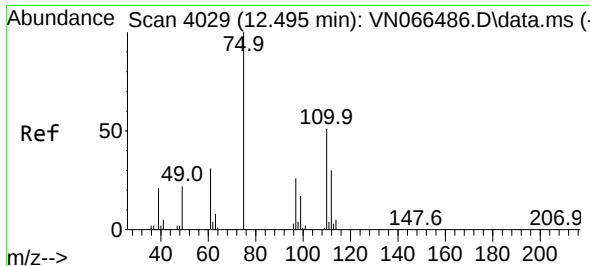


#74

N-ethyl acetate
Concen: 12.76 ug/l
RT: 12.018 min Scan# 3851
Delta R.T. -0.000 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion: 43 Resp: 231
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 58.9 18.6 28.0#
61 0.0 18.2 27.4#

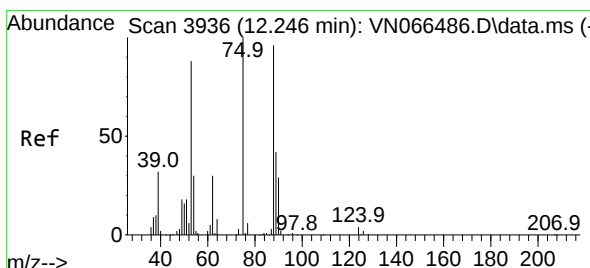
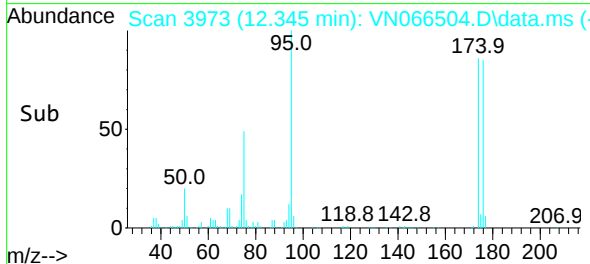
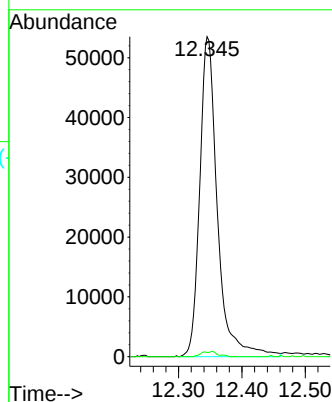
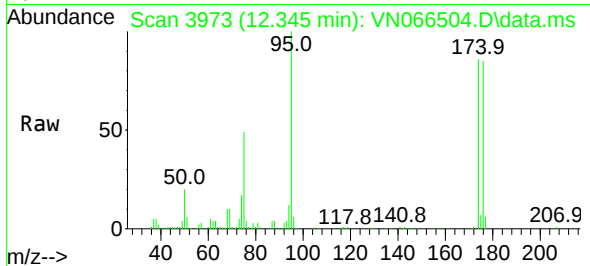




#76
1,2,3-Trichloropropane
Concen: 21.58 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

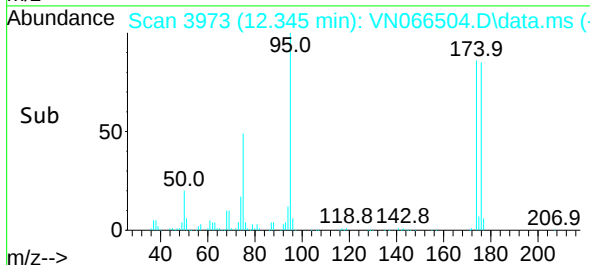
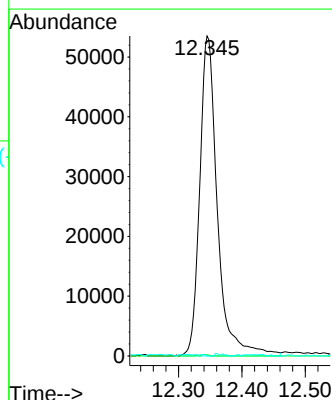
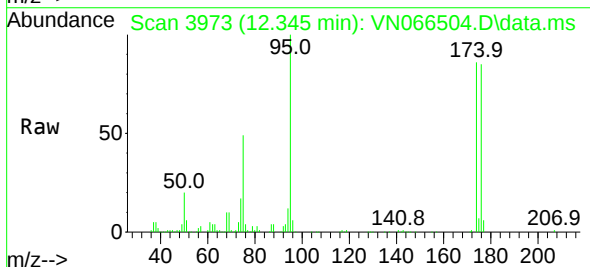
Instrument :
MSVOA_N
ClientSampled :

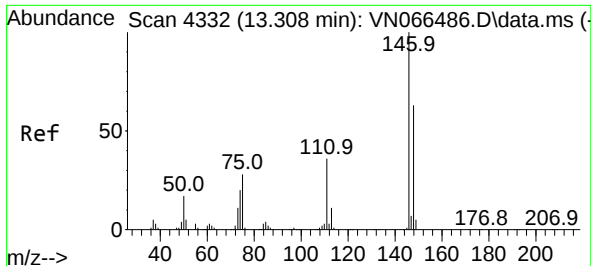
Tgt Ion: 75 Resp: 103608
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.18 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion: 75 Resp: 103608
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.2 35.7 53.5#

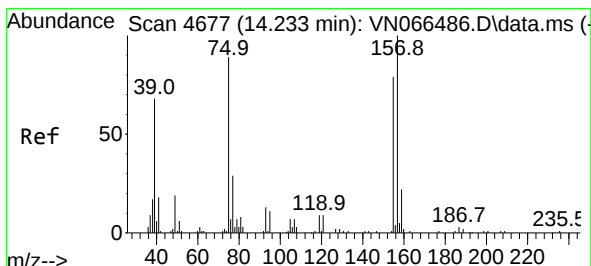
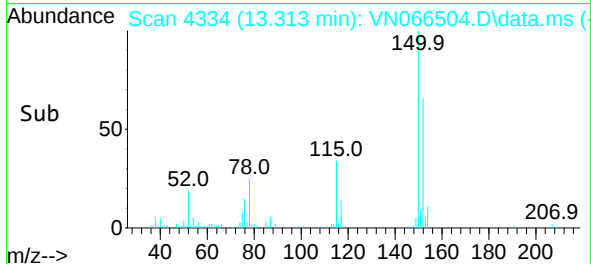
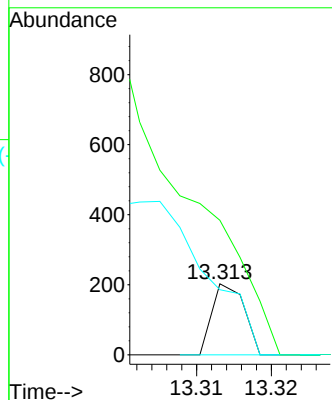
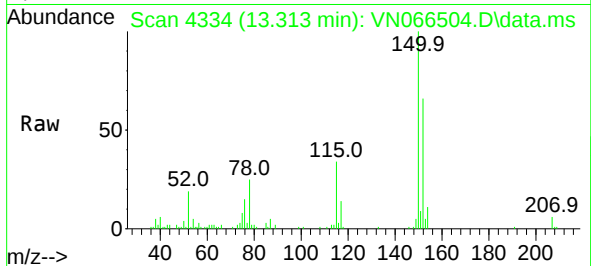




#88
1,4-Dichlorobenzene
Concen: 1.01 ug/l
RT: 13.313 min Scan# 4334
Delta R.T. 0.005 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

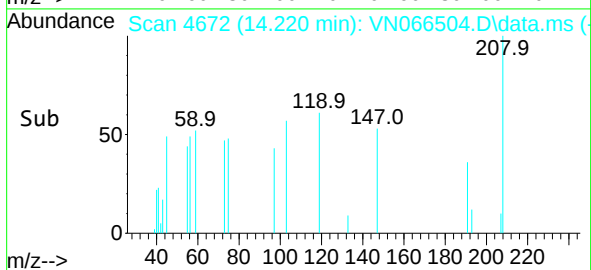
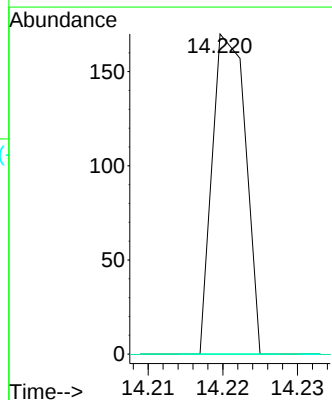
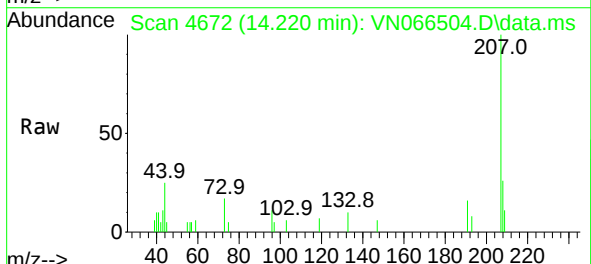
Instrument :
MSVOA_N
ClientSampleId :

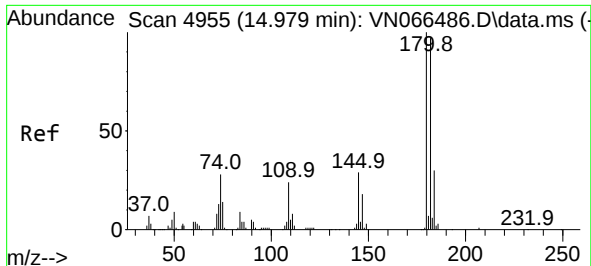
Tgt Ion:146 Resp: 60
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.9#
148 0.0 31.9 95.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.38 ug/l
RT: 14.220 min Scan# 4672
Delta R.T. -0.013 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#

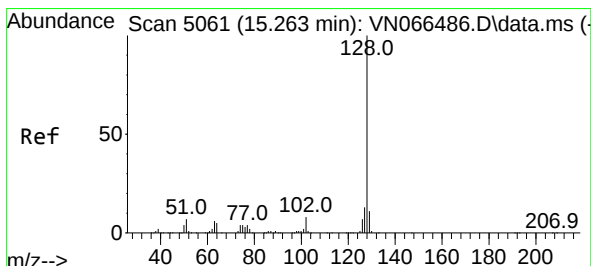
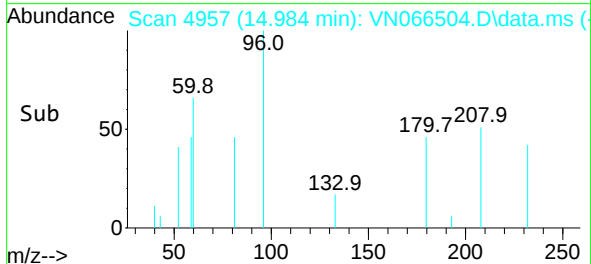
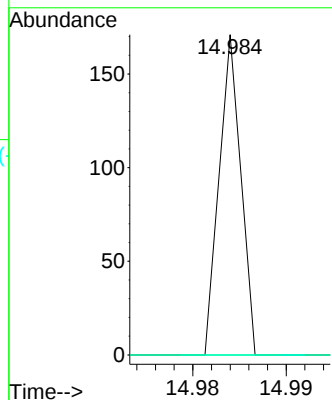
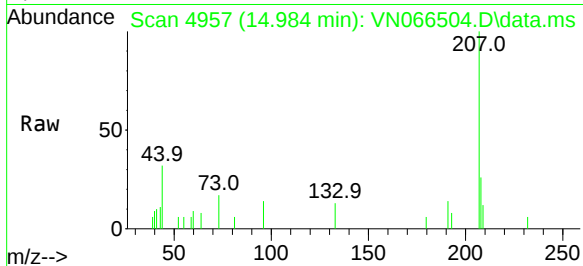




#93
1,2,4-Trichlorobenzene
Concen: 2.24 ug/l
RT: 14.984 min Scan# 4957
Delta R.T. 0.005 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:180 Resp: 28
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 14.2 42.8#



#95
Naphthalene
Concen: 2.05 ug/l
RT: 15.287 min Scan# 5070
Delta R.T. 0.024 min
Lab File: VN066504.D
Acq: 6 Apr 2021 20:13

Tgt Ion:128 Resp: 1051
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

