

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042621\
 Data File : VN066764.D
 Acq On : 26 Apr 2021 16:16
 Operator : JC/MD
 Sample : PB135974TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 27 06:13:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

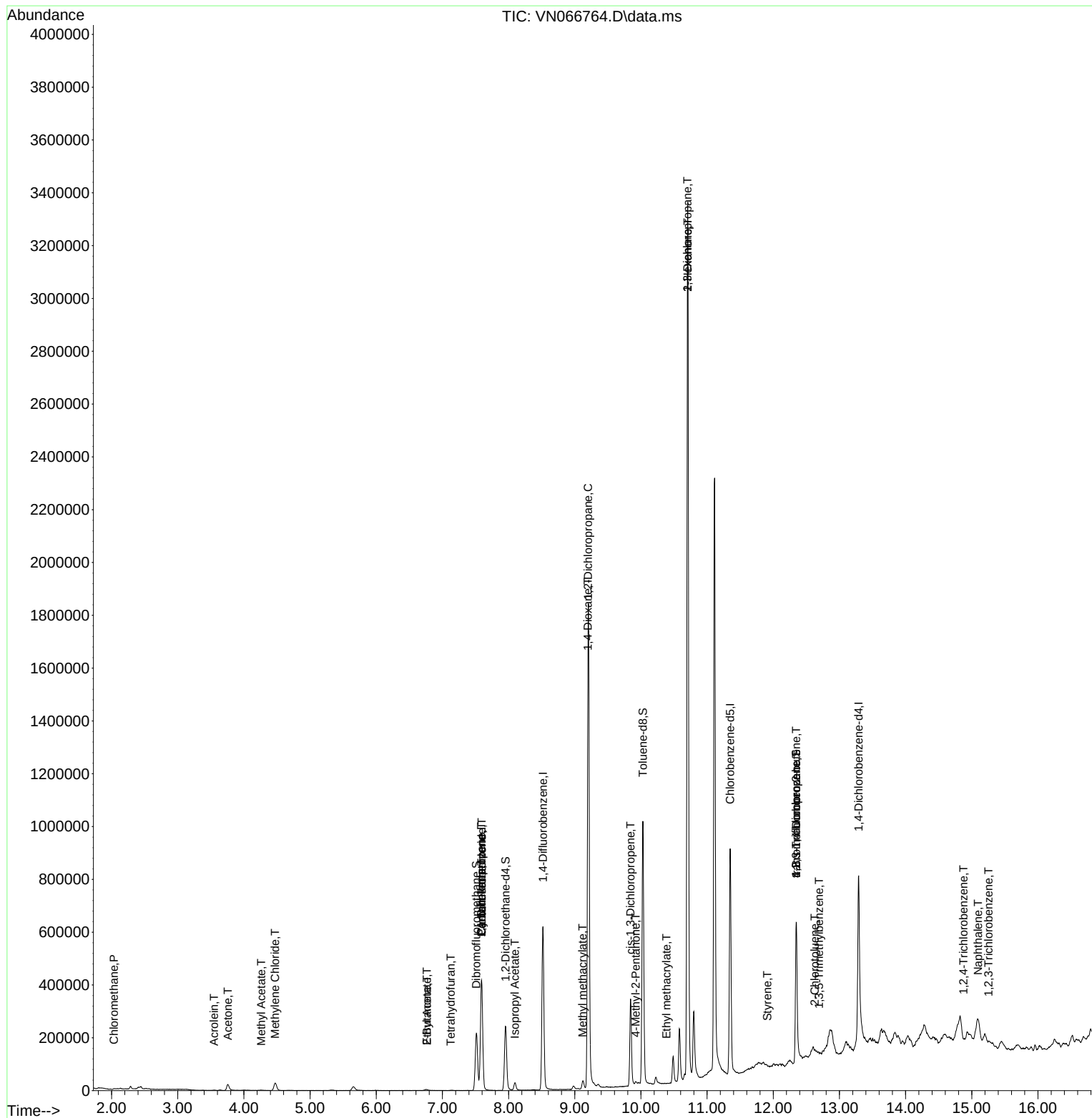
Internal Standards						
1) Pentafluorobenzene	7.594	168	377870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	578150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	527466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	235197	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	212635	46.06	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.12%		
35) Dibromofluoromethane	7.513	113	176077	48.63	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.26%		
50) Toluene-d8	10.029	98	713987	50.57	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.14%		
62) 4-Bromofluorobenzene	12.346	95	242739	50.20	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.40%		
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1466	0.24	ug/l #	87
13) Acrolein	3.547	56	1195	1.85	ug/l	94
16) Acetone	3.759	43	39095	22.62	ug/l	96
18) Methyl Acetate	4.263	43	3335	0.70	ug/l #	77
20) Methylene Chloride	4.472	84	21607	4.21	ug/l	99
25) 2-Butanone	6.765	43	6393	2.58	ug/l	99
29) Tetrahydrofuran	7.127	42	342	0.20	ug/l #	32
31) Cyclohexane	7.591	56	6667	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	25858	4.81	ug/l #	49
37) Ethyl Acetate	6.765	43	6393	1.13	ug/l #	68
38) Carbon Tetrachloride	7.594	117	32095	6.27	ug/l #	18
43) Isopropyl Acetate	8.095	43	36766	4.08	ug/l #	89
45) 1,2-Dichloropropane	9.200	63	2387	0.51	ug/l #	44
48) Methyl methacrylate	9.117	41	7397	1.87	ug/l #	11
49) 1,4-Dioxane	9.198	88	81	1.69	ug/l #	1
51) 4-Methyl-2-Pentanone	9.922	43	10362	2.05	ug/l	97
54) cis-1,3-Dichloropropene	9.844	75	64388	9.27	ug/l #	58
56) Ethyl methacrylate	10.386	69	189	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	35999	5.32	ug/l #	43
59) 2-Hexanone	10.707	43	488922	137.20	ug/l #	50
70) Styrene	11.909	104	331	3.00	ug/l #	41
76) 1,2,3-Trichloropropane	12.346	75	113984	22.65	ug/l #	100
79) 2-Chlorotoluene	12.625	91	595	0.98	ug/l	76
80) 1,3,5-Trimethylbenzene	12.692	105	3533	0.25	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.346	75	113984	67.22	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.875	180	979	2.21	ug/l #	57
95) Naphthalene	15.095	128	9101	2.65	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.253	180	1191	1.64	ug/l #	58

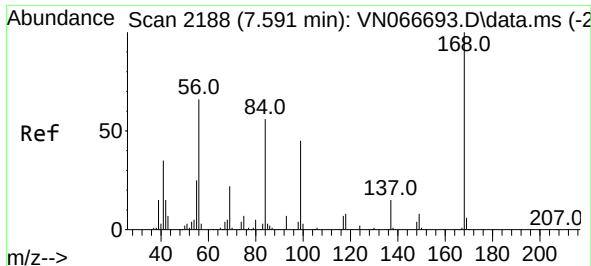
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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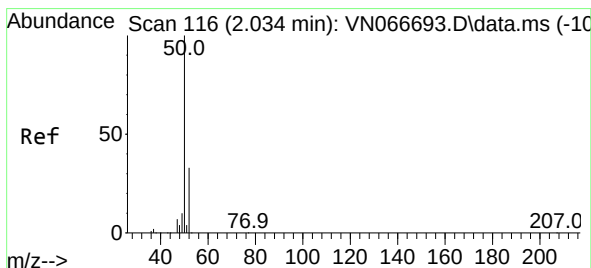
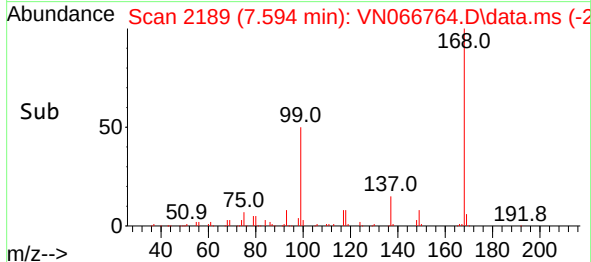
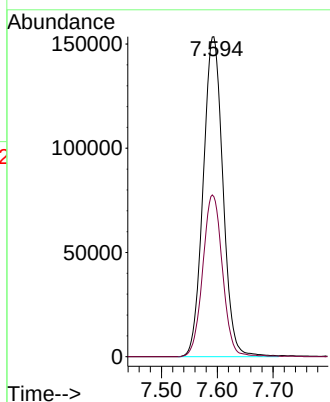
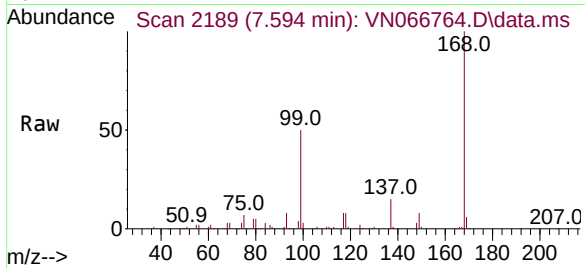




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

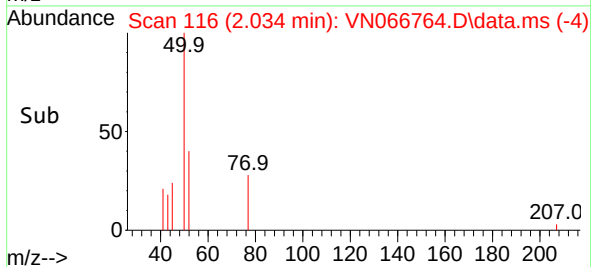
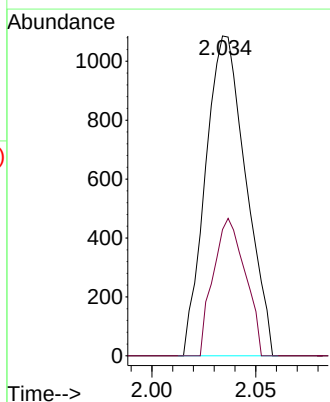
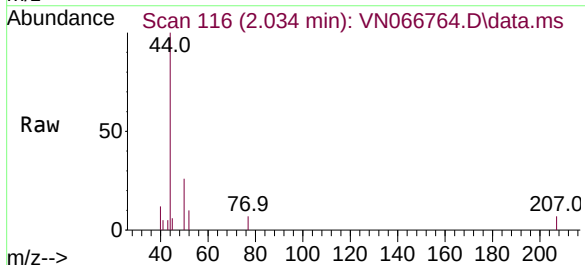
Instrument :
MSVOA_N
ClientSampled :

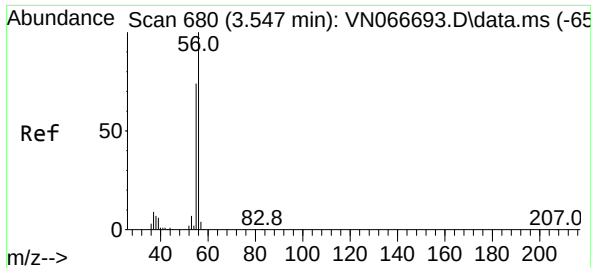
Tgt Ion:168 Resp: 377870
Ion Ratio Lower Upper
168 100
99 50.0 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.034 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 50 Resp: 1466
Ion Ratio Lower Upper
50 100
52 39.5 25.8 38.8#

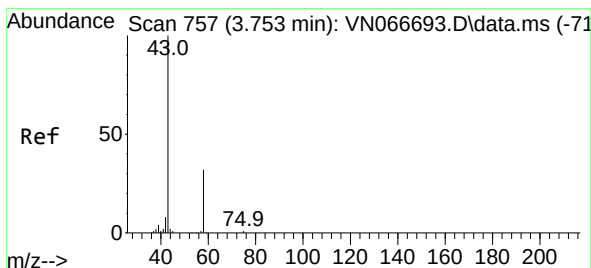
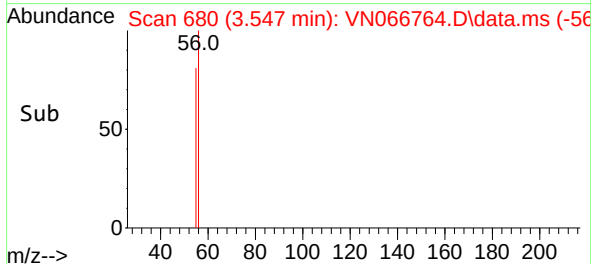
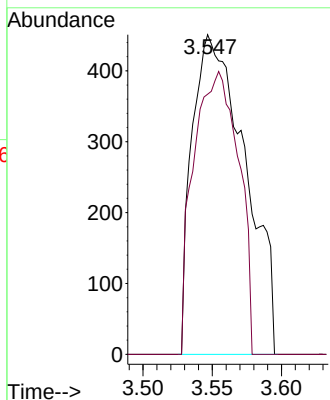
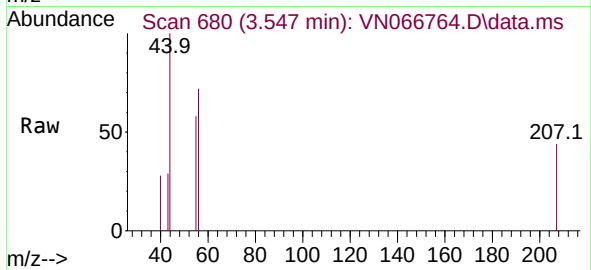




#13
Acrolein
Concen: 1.85 ug/l
RT: 3.547 min Scan# 680
Delta R.T. -0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

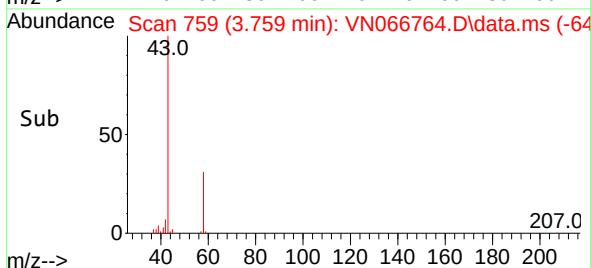
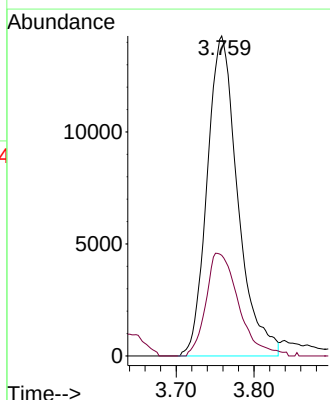
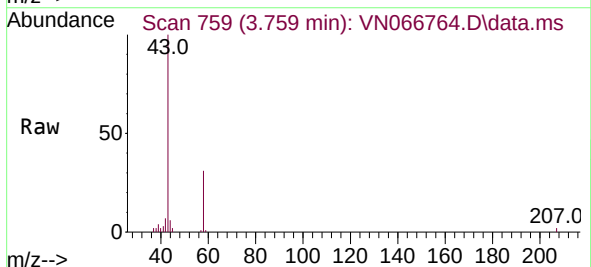
Instrument :
MSVOA_N
ClientSampled :

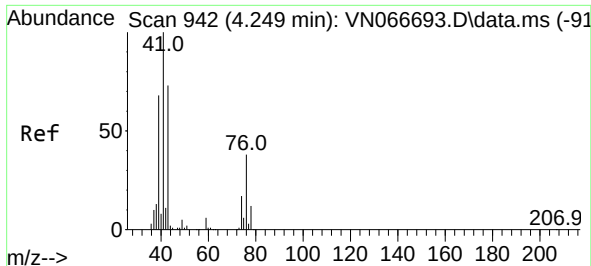
Tgt Ion: 56 Resp: 1195
Ion Ratio Lower Upper
56 100
55 75.1 56.0 84.0



#16
Acetone
Concen: 22.62 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

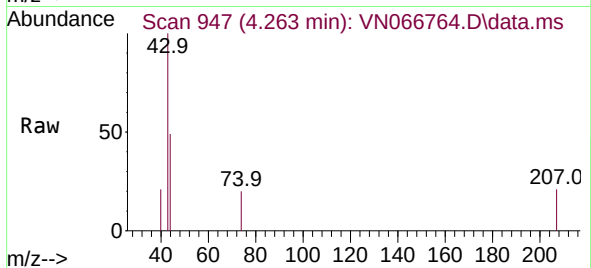
Tgt Ion: 43 Resp: 39095
Ion Ratio Lower Upper
43 100
58 31.4 27.0 40.6



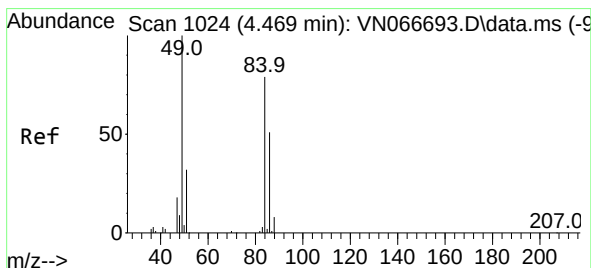
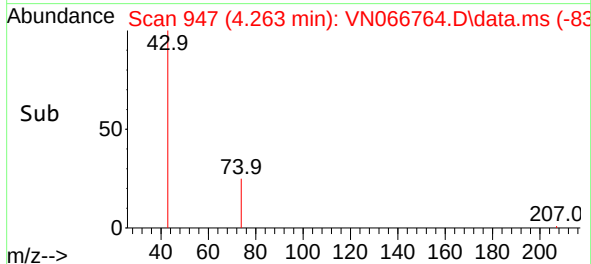
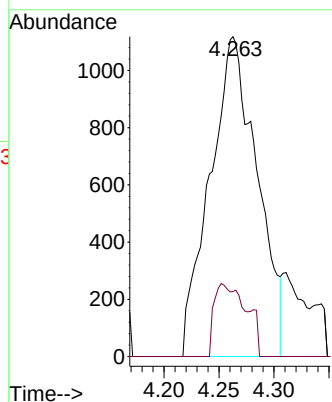


#18
Methyl Acetate
Concen: 0.70 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.014 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Instrument :
MSVOA_N
ClientSampled :

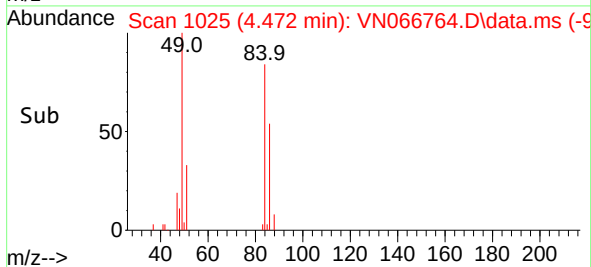
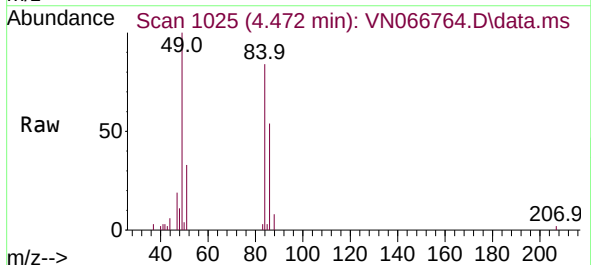
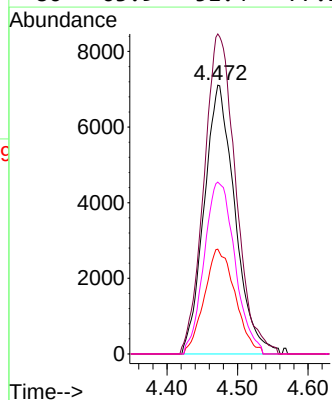


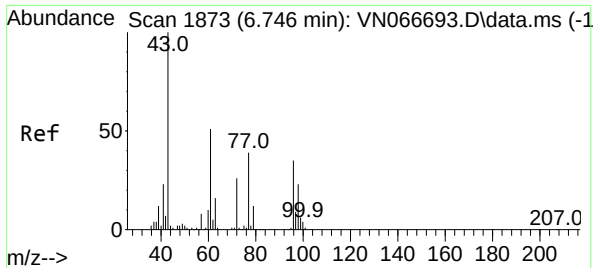
Tgt Ion: 43 Resp: 3335
Ion Ratio Lower Upper
43 100
74 13.2 19.5 29.3#



#20
Methylene Chloride
Concen: 4.21 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 84 Resp: 21607
Ion Ratio Lower Upper
84 100
49 119.1 94.6 141.8
51 39.0 29.9 44.9
86 63.9 51.4 77.2

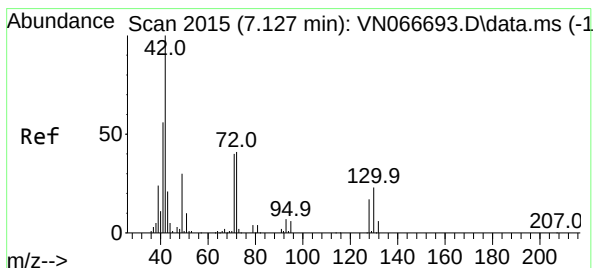
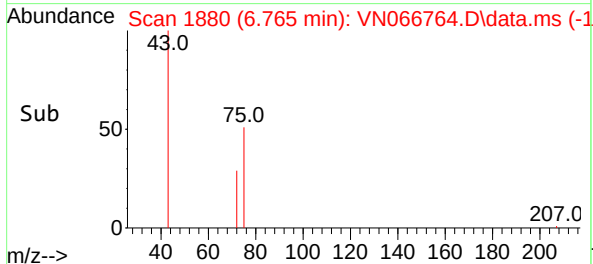
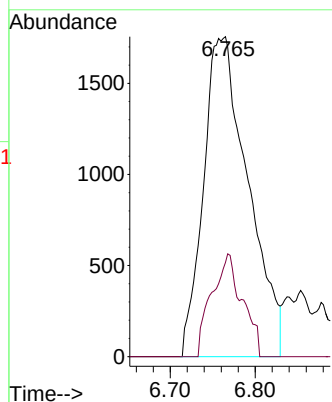
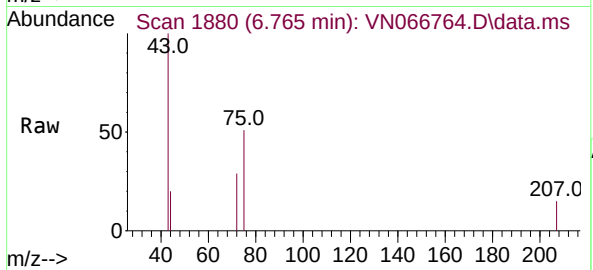




#25
2-Butanone
Concen: 2.58 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. 0.019 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

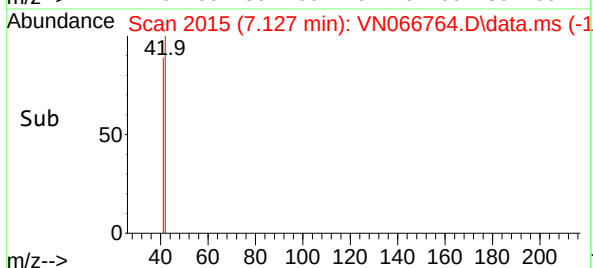
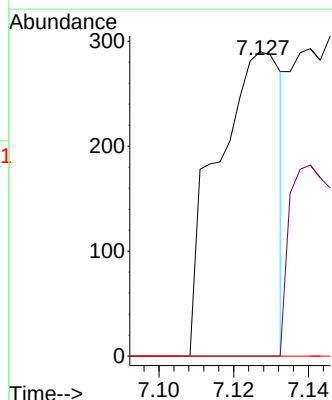
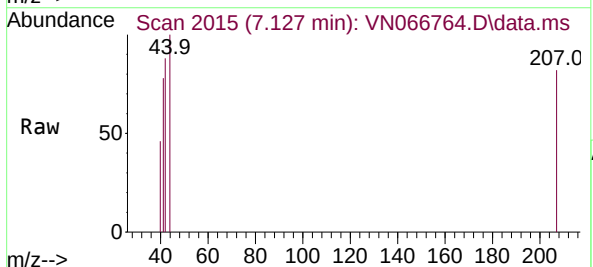
Instrument :
MSVOA_N
ClientSampled :

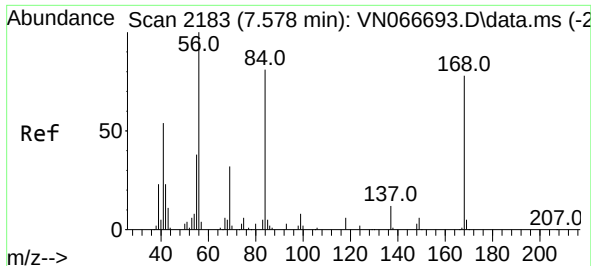
Tgt Ion: 43 Resp: 6393
Ion Ratio Lower Upper
43 100
72 29.4 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.20 ug/l
RT: 7.127 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

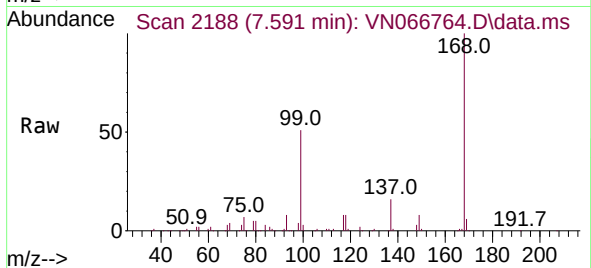
Tgt Ion: 42 Resp: 342
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



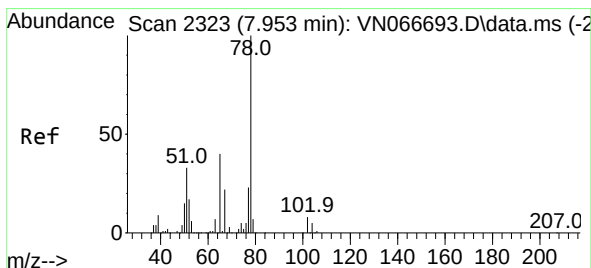
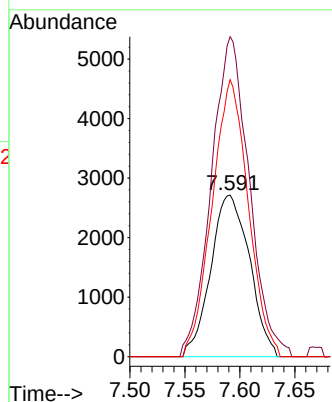
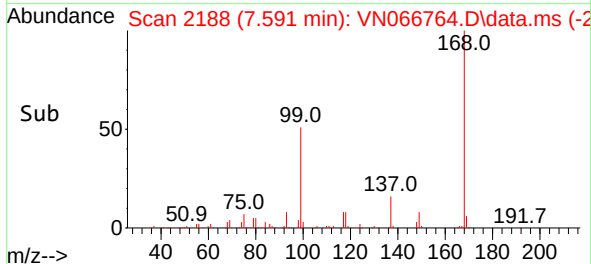


#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

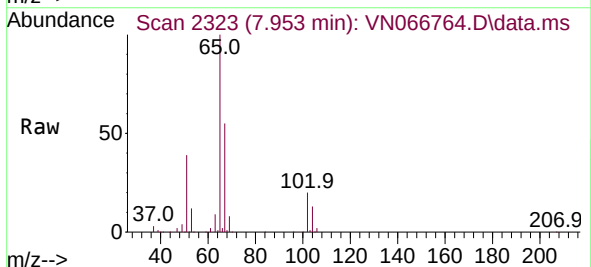
Instrument :
MSVOA_N
ClientSampled :



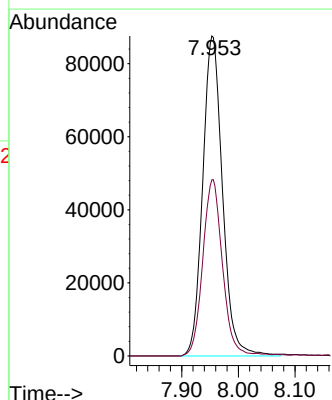
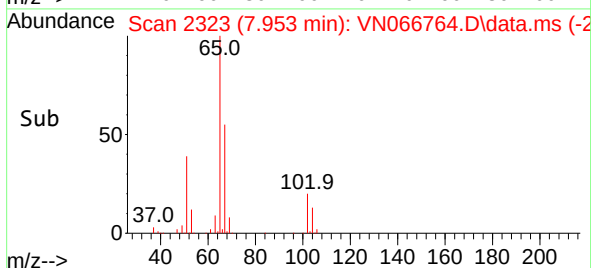
Tgt Ion	Ratio	Lower	Upper
56	100		
69	197.9	26.6	39.8#
84	171.3	70.4	105.6#

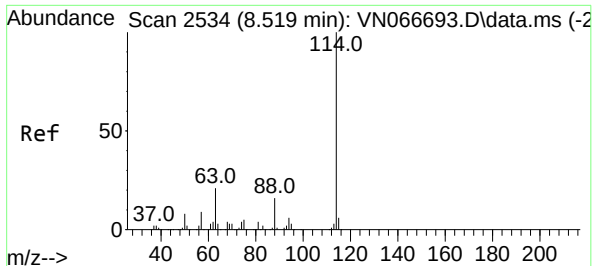


#33
1,2-Dichloroethane-d4
Concen: 46.06 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16



Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	107.2

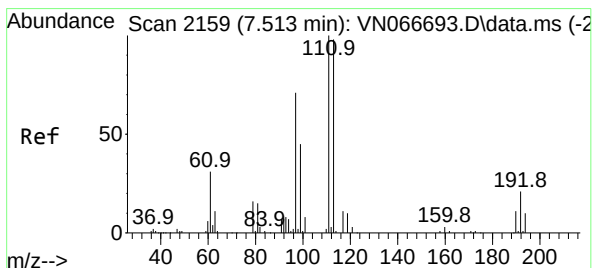
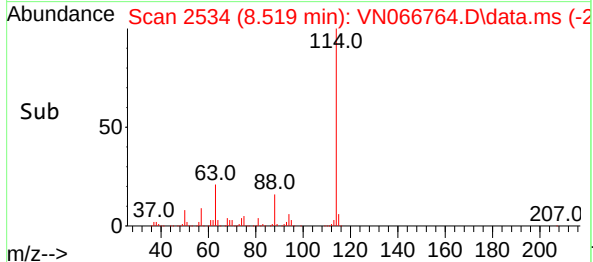
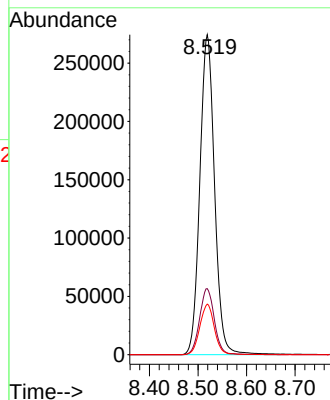
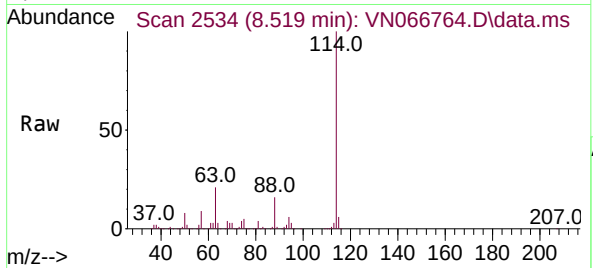




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

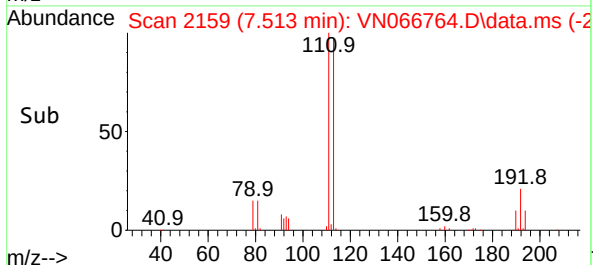
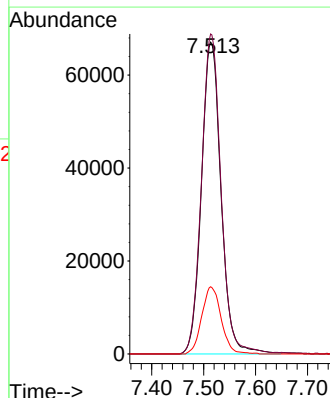
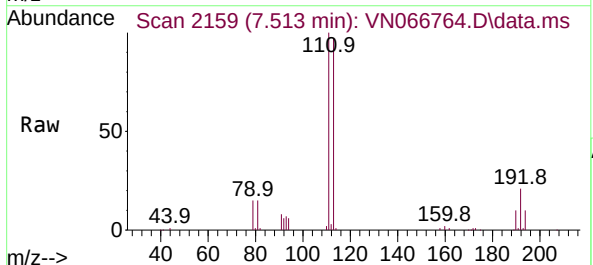
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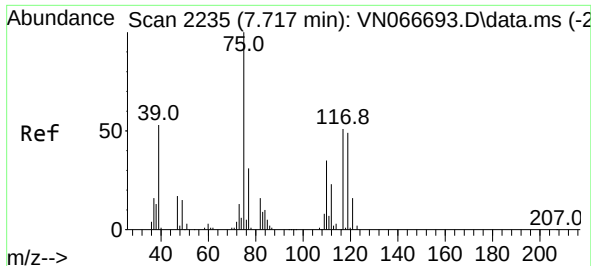
Tgt Ion:114 Resp: 578150
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.63 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

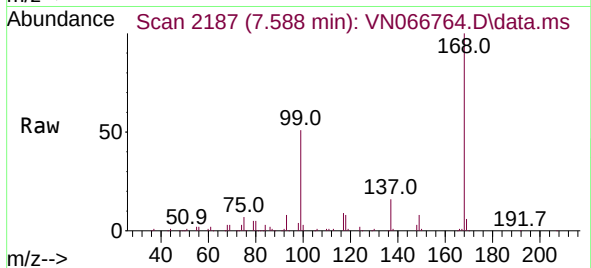
Tgt Ion:113 Resp: 176077
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 21.3 15.4 23.0



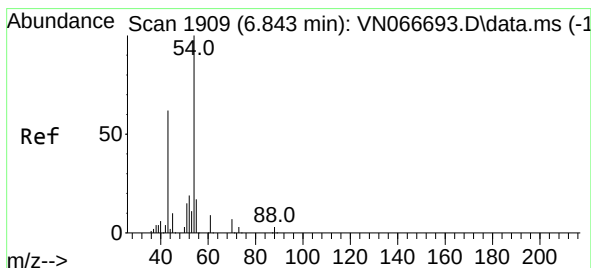
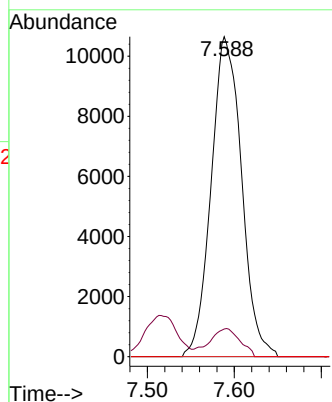
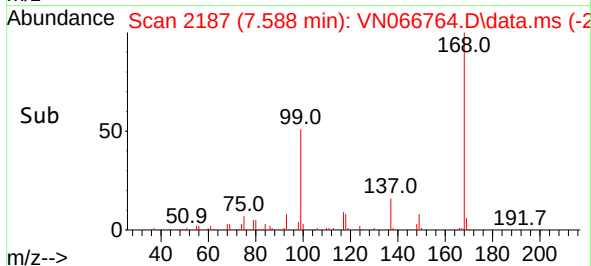


#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

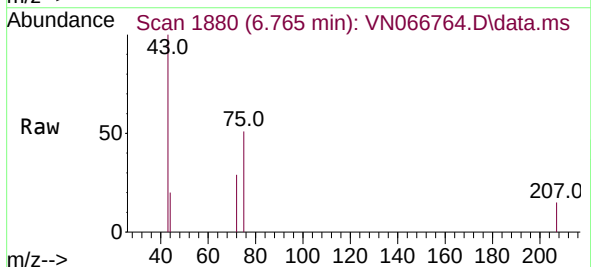
Instrument :
MSVOA_N
ClientSampled :



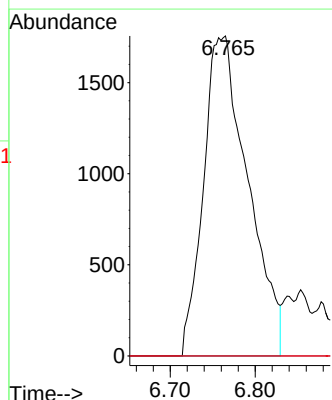
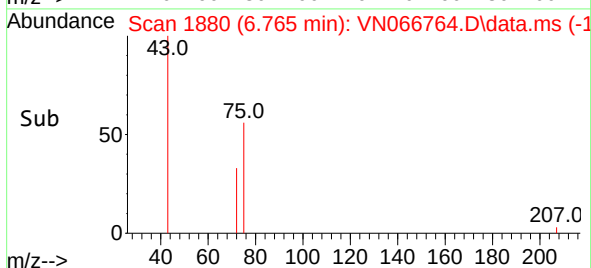
Tgt Ion: 75 Resp: 25858
Ion Ratio Lower Upper
75 100
110 8.8 18.2 54.6#
77 0.0 24.9 37.3#

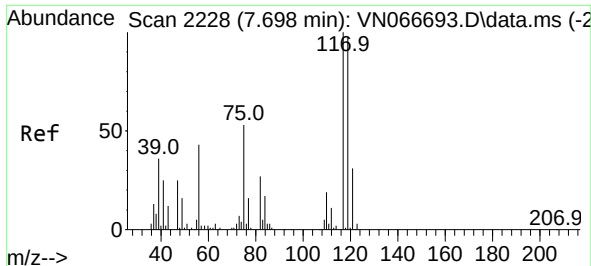


#37
Ethyl Acetate
Concen: 1.13 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. -0.078 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16



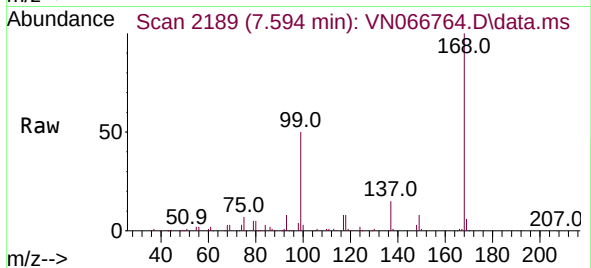
Tgt Ion: 43 Resp: 6393
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



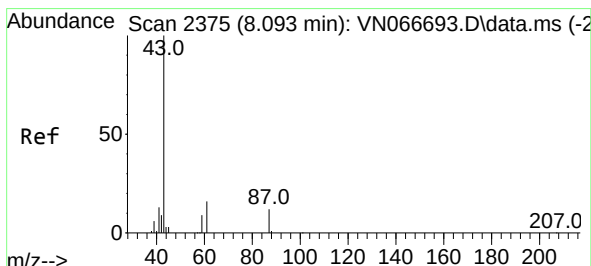
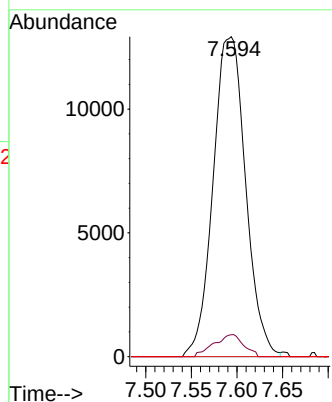
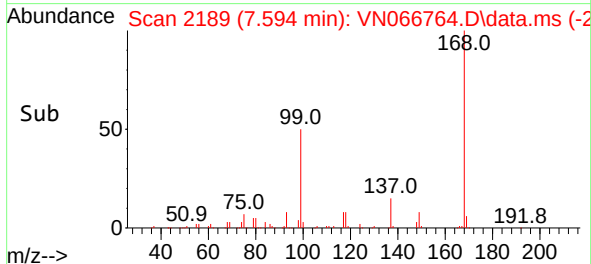


#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.104 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

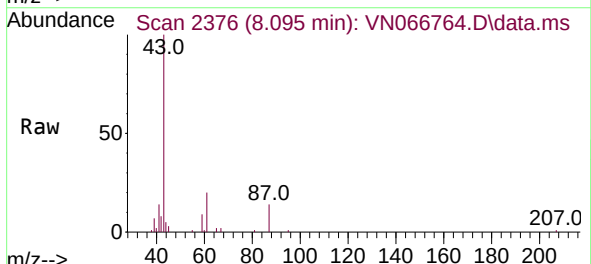
Instrument :
MSVOA_N
ClientSampled :



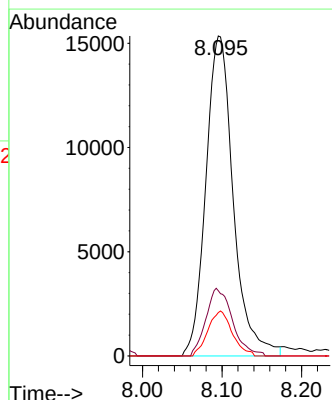
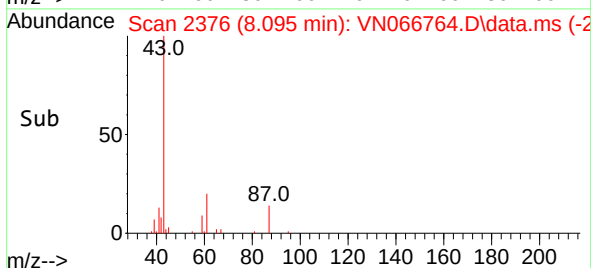
Tgt Ion:117 Resp: 32095
Ion Ratio Lower Upper
117 100
119 6.8 76.0 114.0#
121 0.0 24.5 36.7#

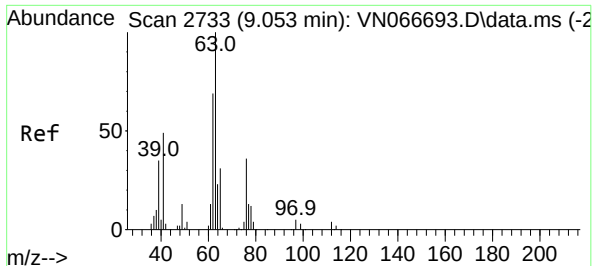


#43
Isopropyl Acetate
Concen: 4.08 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16



Tgt Ion: 43 Resp: 36766
Ion Ratio Lower Upper
43 100
61 20.5 22.5 33.7#
87 12.5 11.1 16.7



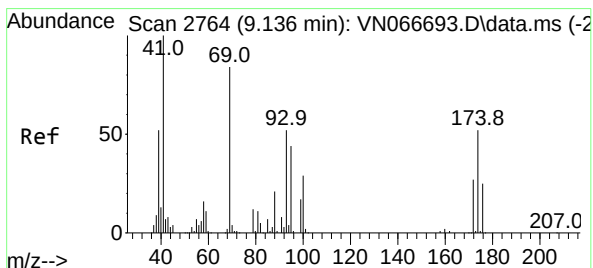
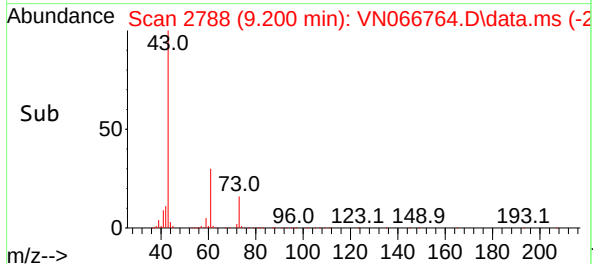
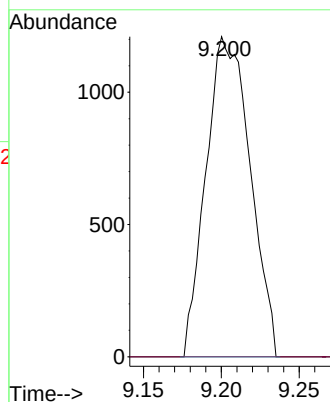
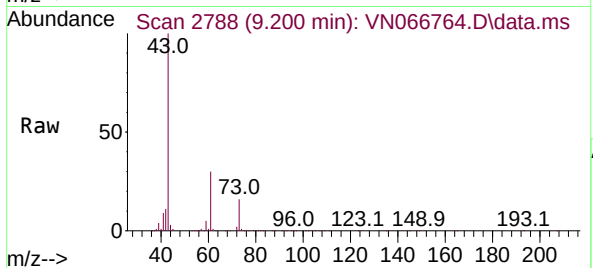


#45

1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.147 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Instrument :
MSVOA_N
ClientSampled :

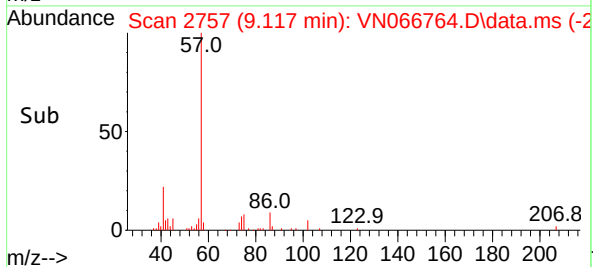
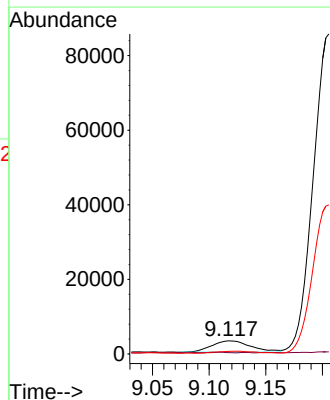
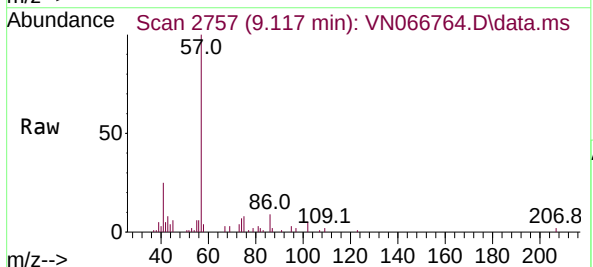
Tgt Ion: 63 Resp: 2387
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

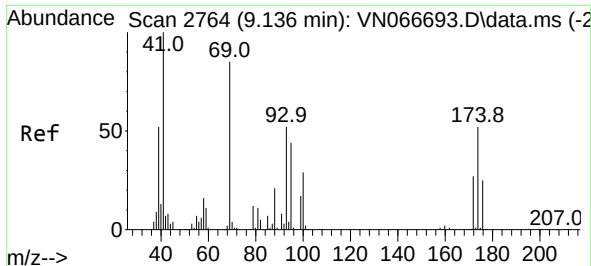


#48

Methyl methacrylate
Concen: 1.87 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 41 Resp: 7397
Ion Ratio Lower Upper
41 100
69 1.3 75.9 113.9#
39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 1.69 ug/l

RT: 9.198 min Scan# 2787

Delta R.T. 0.062 min

Lab File: VN066764.D

Acq: 26 Apr 2021 16:16

Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

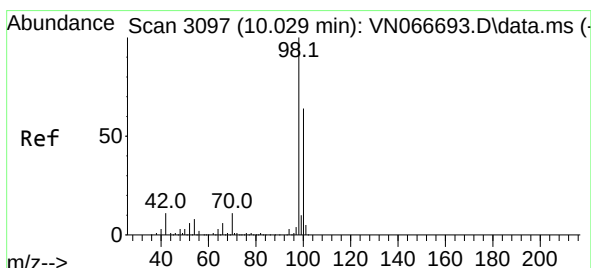
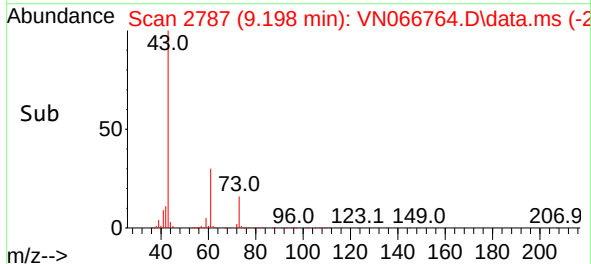
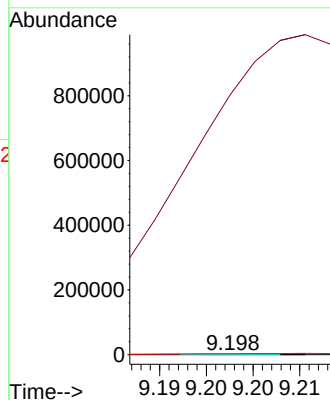
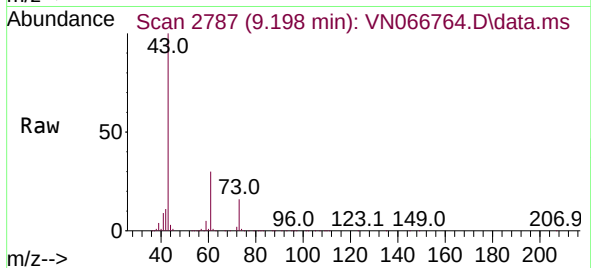
43 2341502.5 24.7 37.1#

58 9258.0 52.6 78.8#

Instrument :

MSVOA_N

ClientSampleId :



#50

Toluene-d8

Concen: 50.57 ug/l

RT: 10.029 min Scan# 3097

Delta R.T. -0.000 min

Lab File: VN066764.D

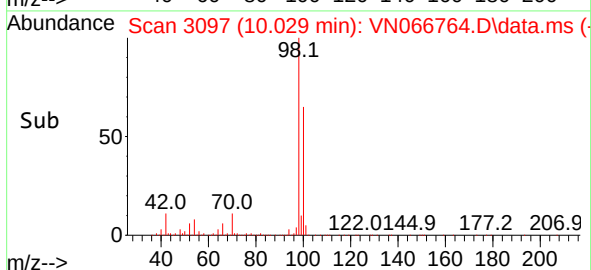
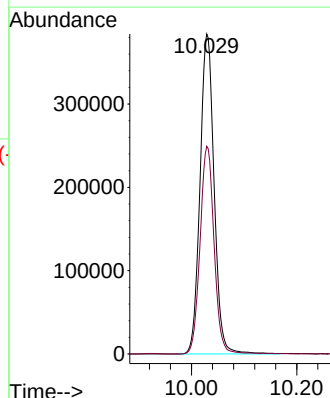
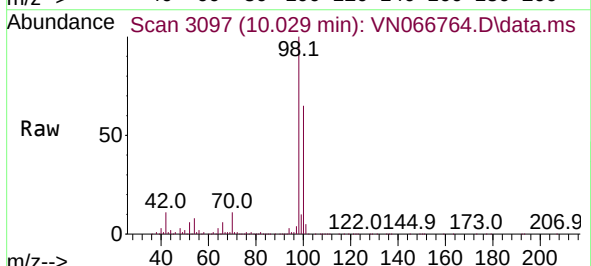
Acq: 26 Apr 2021 16:16

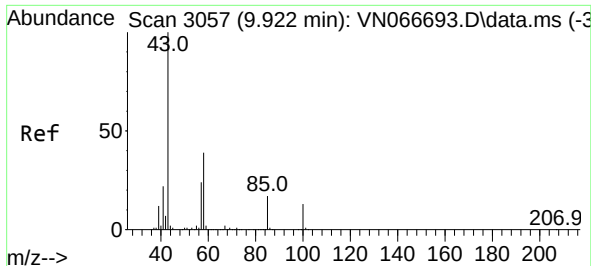
Tgt Ion: 98 Resp: 713987

Ion Ratio Lower Upper

98 100

100 64.5 50.5 75.7

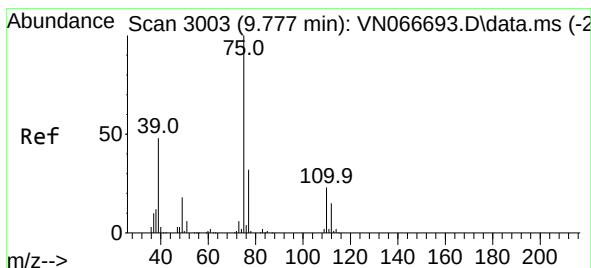
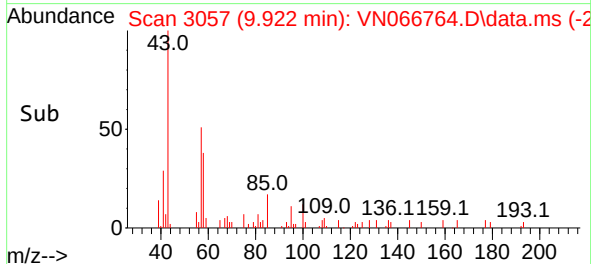
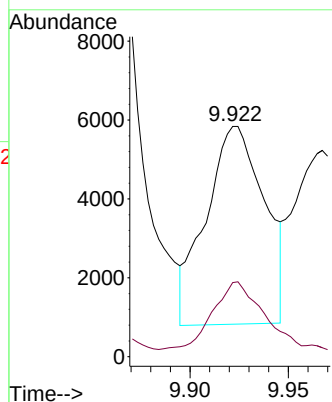
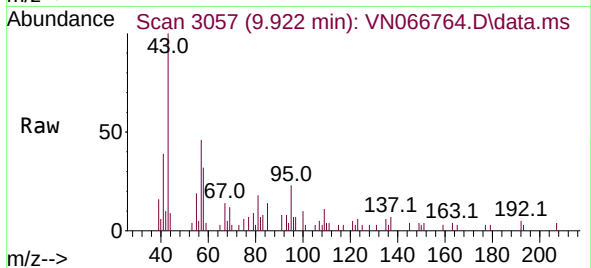




#51
4-Methyl-2-Pentanone
Concen: 2.05 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

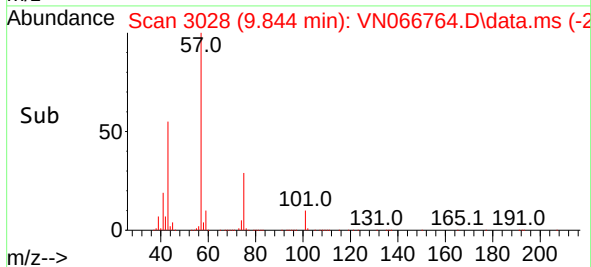
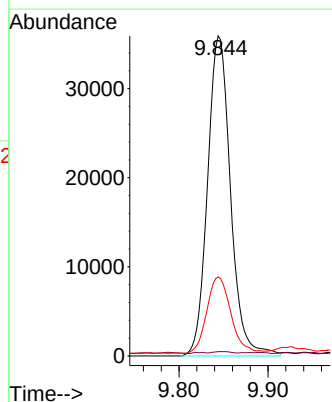
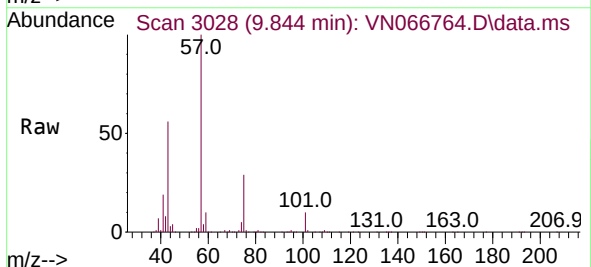
Instrument :
MSVOA_N
ClientSampleId :

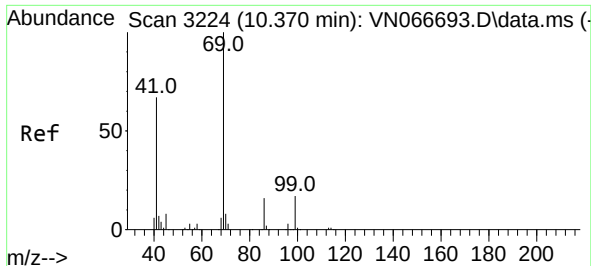
Tgt Ion: 43 Resp: 10362
Ion Ratio Lower Upper
43 100
58 38.9 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 9.27 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 75 Resp: 64388
Ion Ratio Lower Upper
75 100
77 0.5 24.9 37.3#
39 23.8 36.2 54.4#

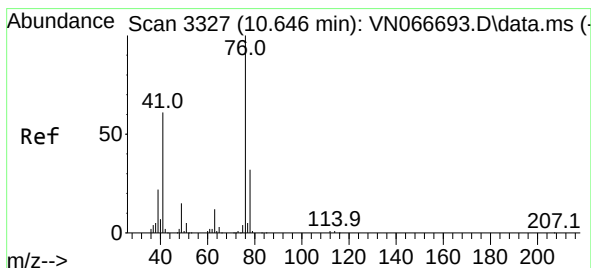
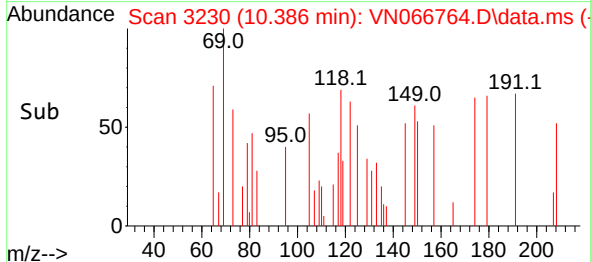
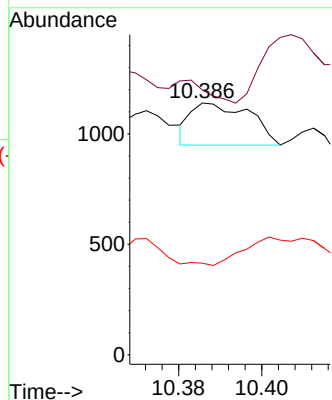
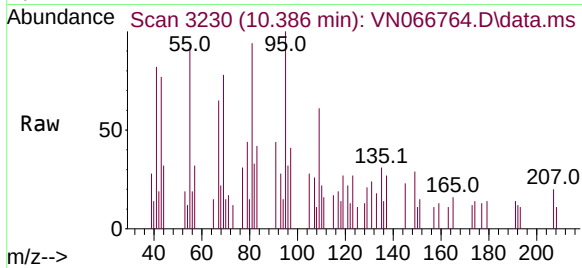




#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.386 min Scan# 3230
Delta R.T. 0.016 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

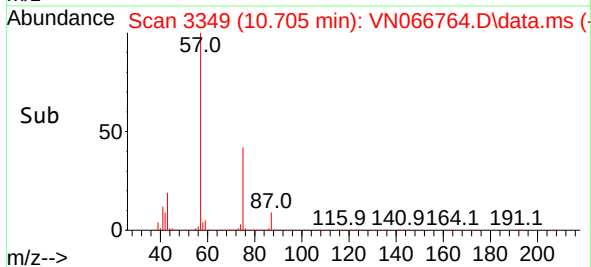
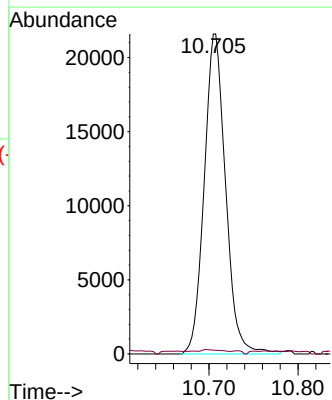
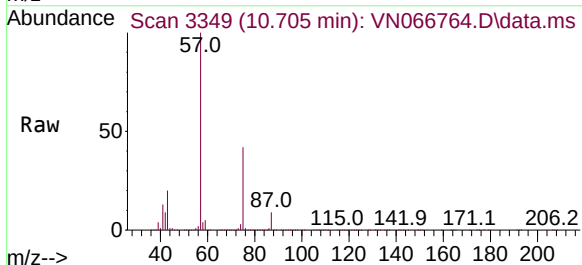
Instrument :
MSVOA_N
ClientSampled :

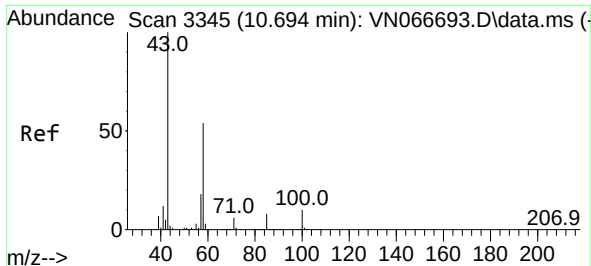
Tgt Ion: 69 Resp: 189
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 5.32 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 76 Resp: 35999
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

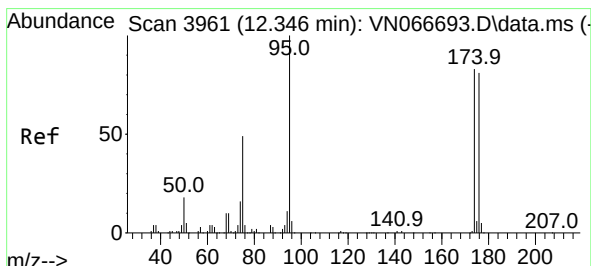
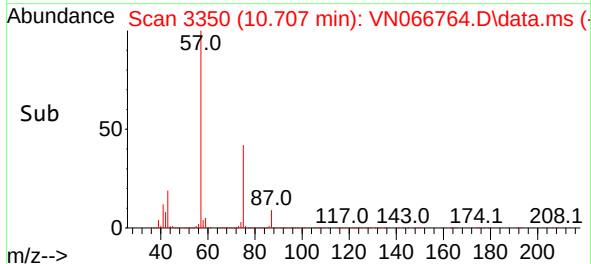
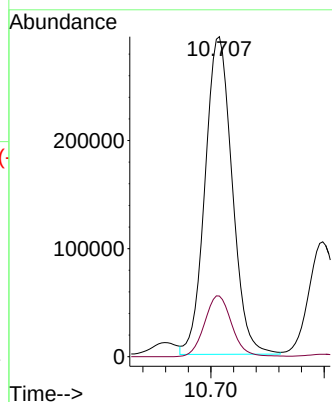
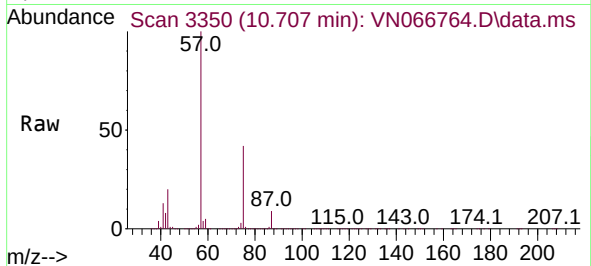




#59
2-Hexanone
Concen: 137.20 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

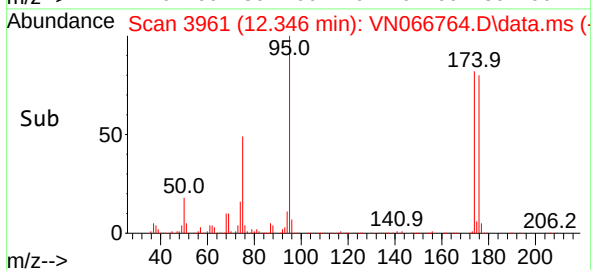
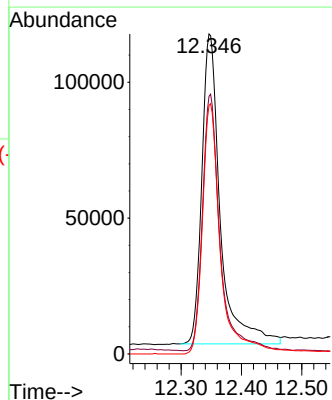
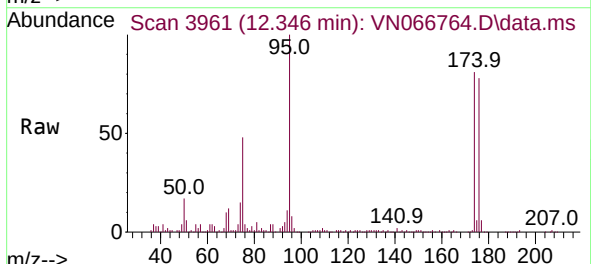
Instrument :
MSVOA_N
ClientSampled :

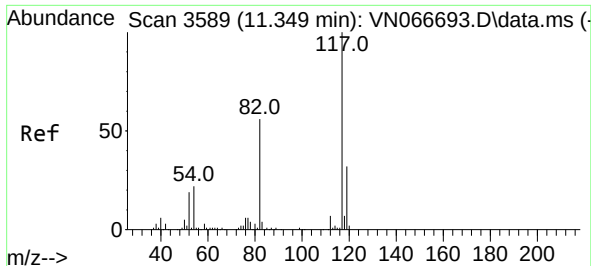
Tgt Ion: 43 Resp: 488922
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 50.20 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 95 Resp: 242739
Ion Ratio Lower Upper
95 100
174 77.8 0.0 169.0
176 79.9 0.0 162.4

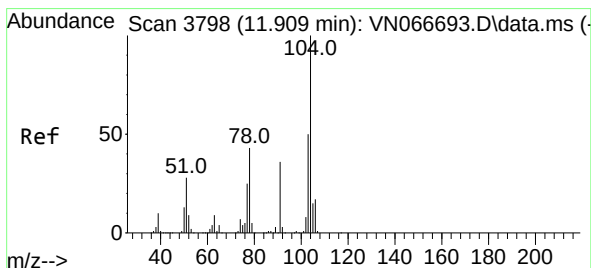
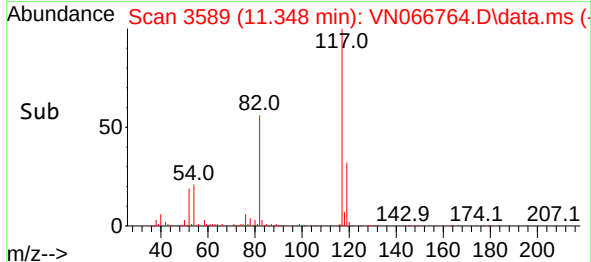
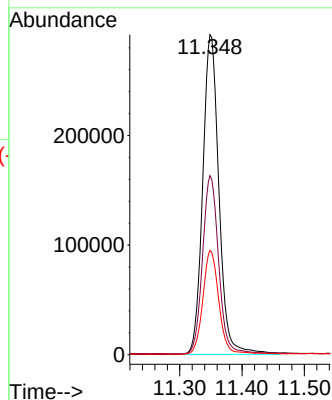
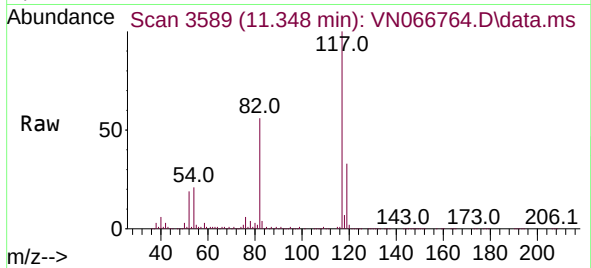




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

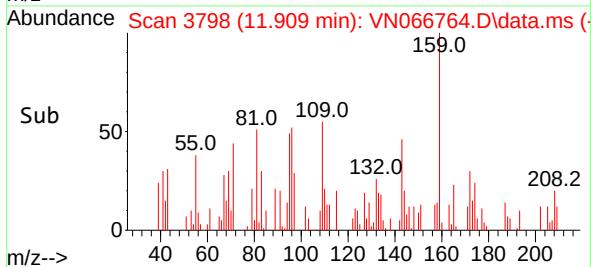
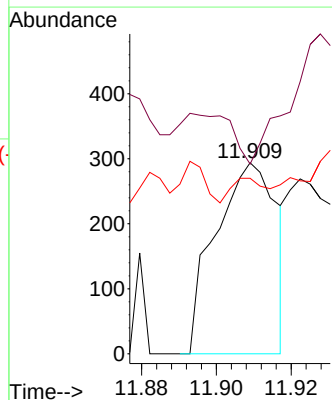
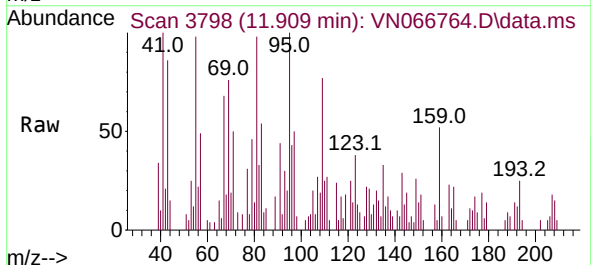
Instrument :
MSVOA_N
ClientSampleId :

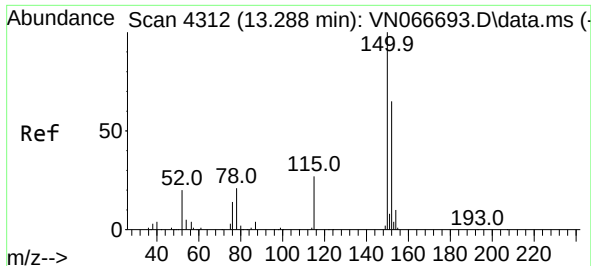
Tgt Ion:117 Resp: 527466
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.5 26.1 39.1



#70
Styrene
Concen: 3.00 ug/l
RT: 11.909 min Scan# 3798
Delta R.T. 0.000 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion:104 Resp: 331
Ion Ratio Lower Upper
104 100
78 22.1 39.0 58.4#
103 0.0 44.5 66.7#

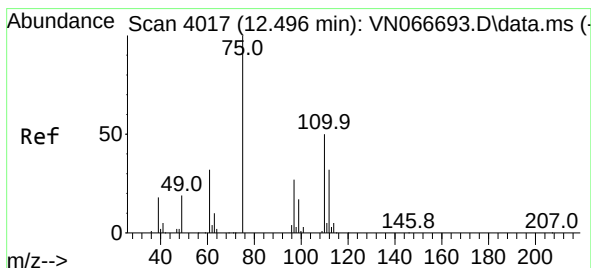
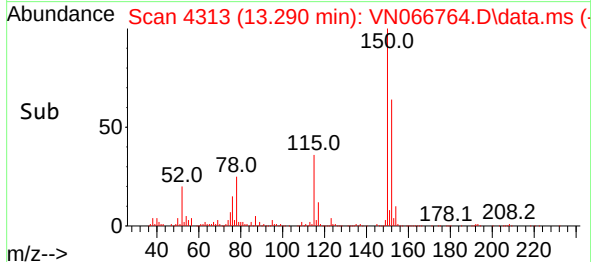
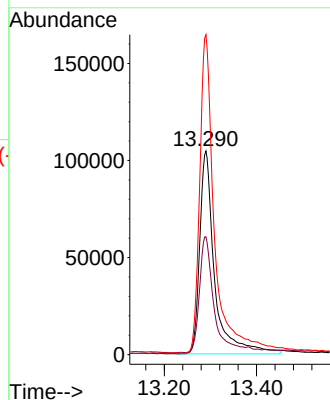
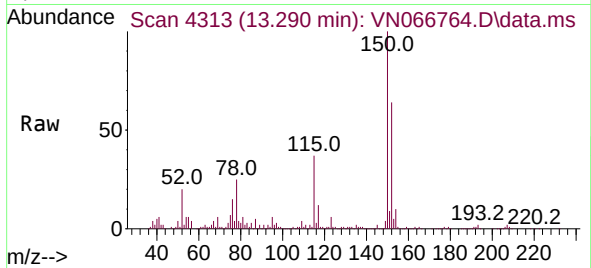




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

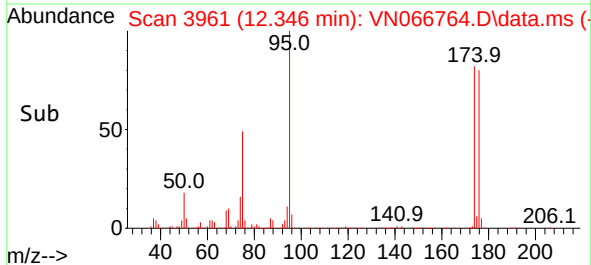
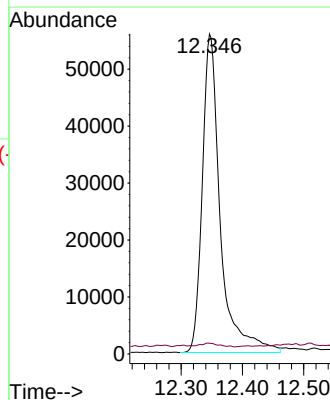
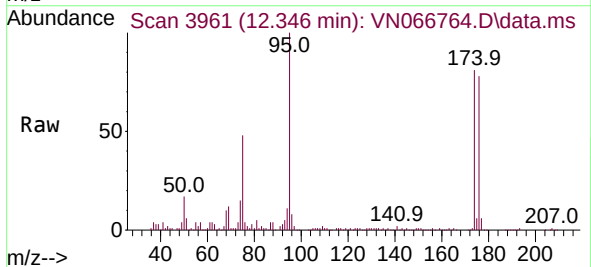
Instrument :
MSVOA_N
ClientSampleId :

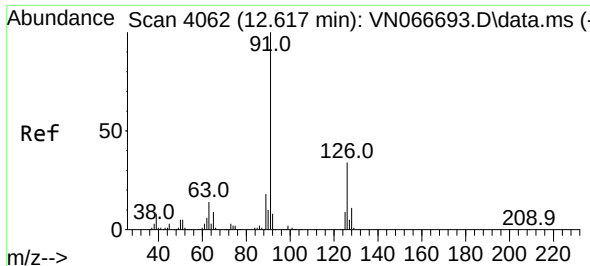
Tgt Ion:152 Resp: 235197
Ion Ratio Lower Upper
152 100
115 54.2 28.5 85.6
150 157.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 22.65 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 75 Resp: 113984
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

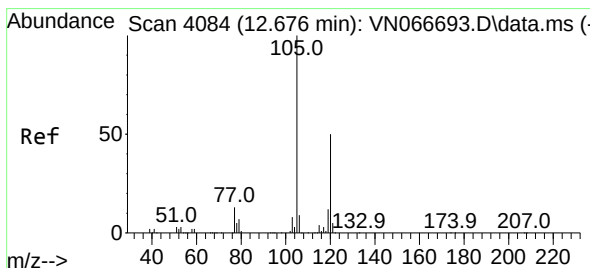
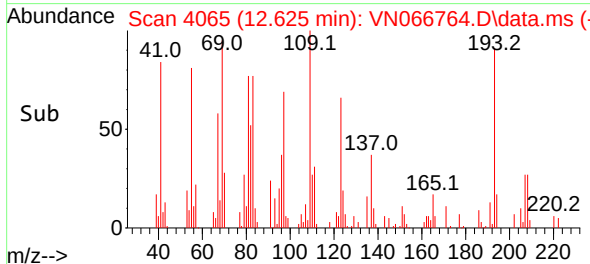
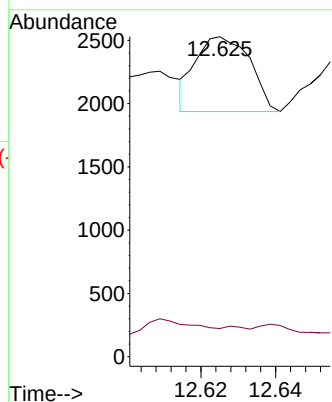
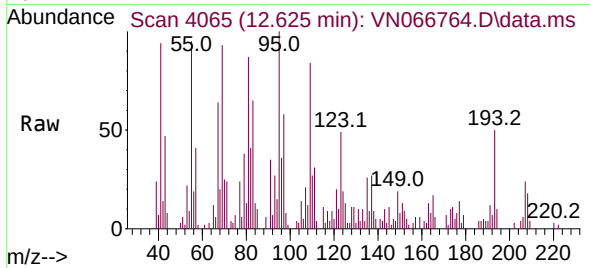




#79
2-Chlorotoluene
Concen: 0.98 ug/l
RT: 12.625 min Scan# 4065
Delta R.T. 0.008 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

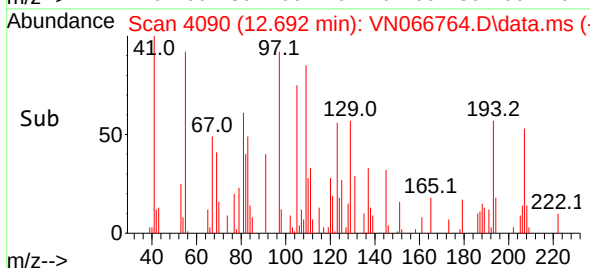
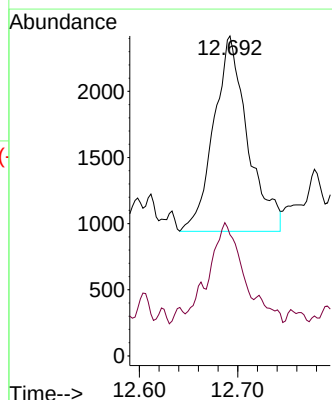
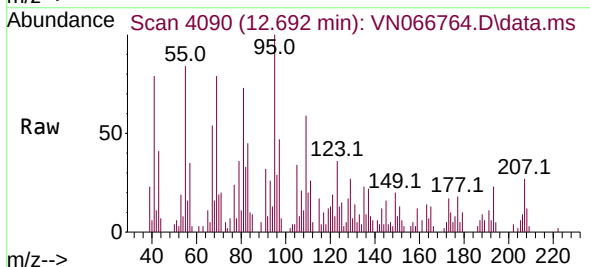
Instrument :
MSVOA_N
ClientSampled :

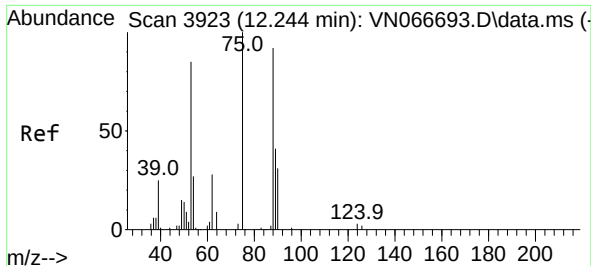
Tgt Ion: 91 Resp: 595
Ion Ratio Lower Upper
91 100
126 21.2 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 0.25 ug/l
RT: 12.692 min Scan# 4090
Delta R.T. 0.016 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 105 Resp: 3533
Ion Ratio Lower Upper
105 100
120 27.9 24.3 72.8

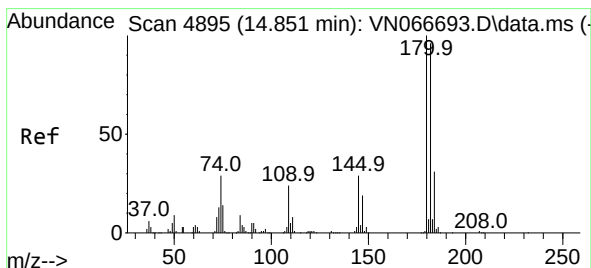
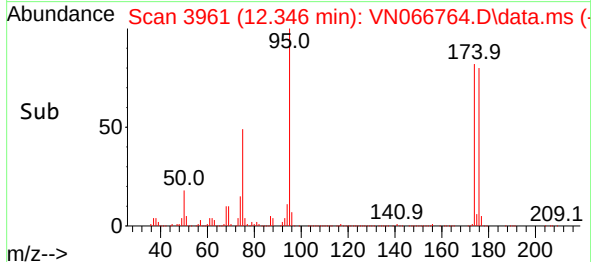
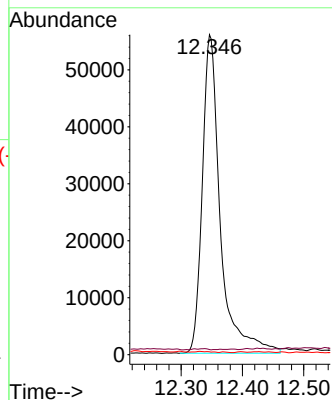
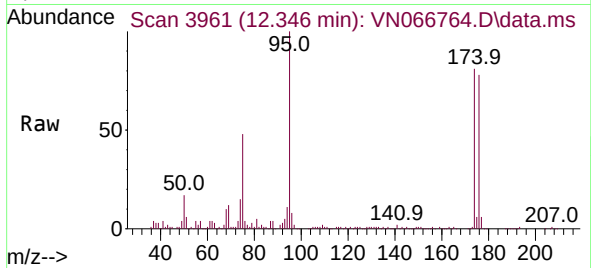




#81
trans-1,4-Dichloro-2-butene
Concen: 67.22 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

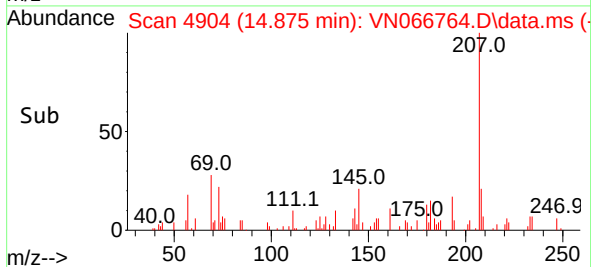
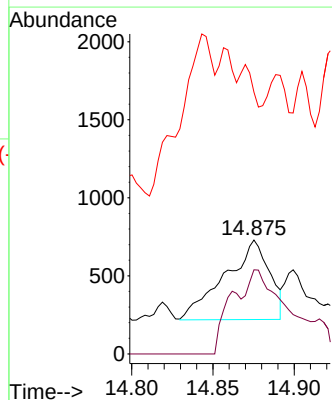
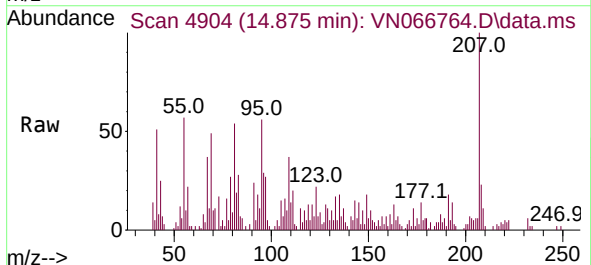
Instrument :
MSVOA_N
ClientSampled :

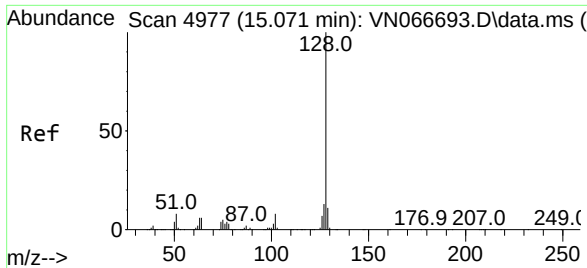
Tgt Ion: 75 Resp: 113984
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.0 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.21 ug/l
RT: 14.875 min Scan# 4904
Delta R.T. 0.024 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion: 180 Resp: 979
Ion Ratio Lower Upper
180 100
182 57.5 47.3 142.0
145 0.0 15.6 46.8#

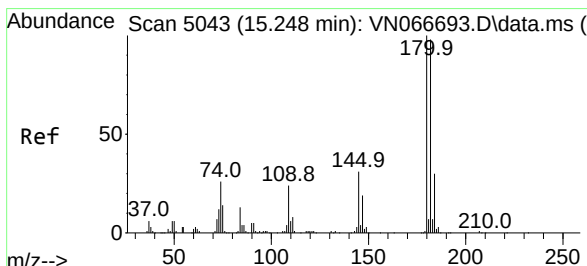
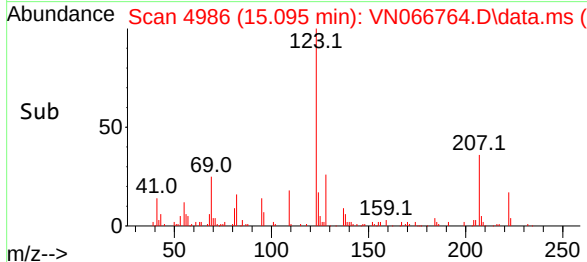
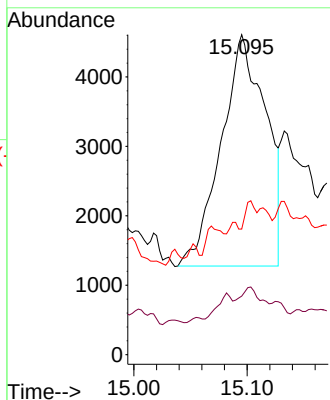
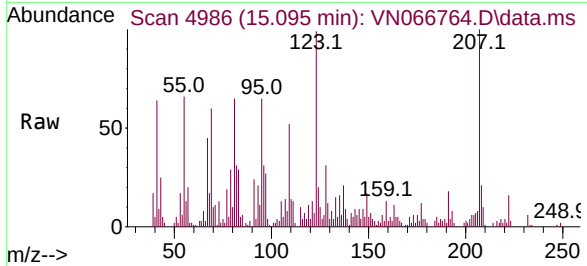




#95
Naphthalene
Concen: 2.65 ug/l
RT: 15.095 min Scan# 4986
Delta R.T. 0.024 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 9101
Ion Ratio Lower Upper
128 100
127 2.5 10.2 15.2#
129 2.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.64 ug/l
RT: 15.253 min Scan# 5045
Delta R.T. 0.005 min
Lab File: VN066764.D
Acq: 26 Apr 2021 16:16

Tgt Ion:180 Resp: 1191
Ion Ratio Lower Upper
180 100
182 143.6 47.4 142.3#
145 43.0 16.5 49.5

