

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066786.D
 Acq On : 27 Apr 2021 17:14
 Operator : JC/MD
 Sample : PB135974ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:11:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

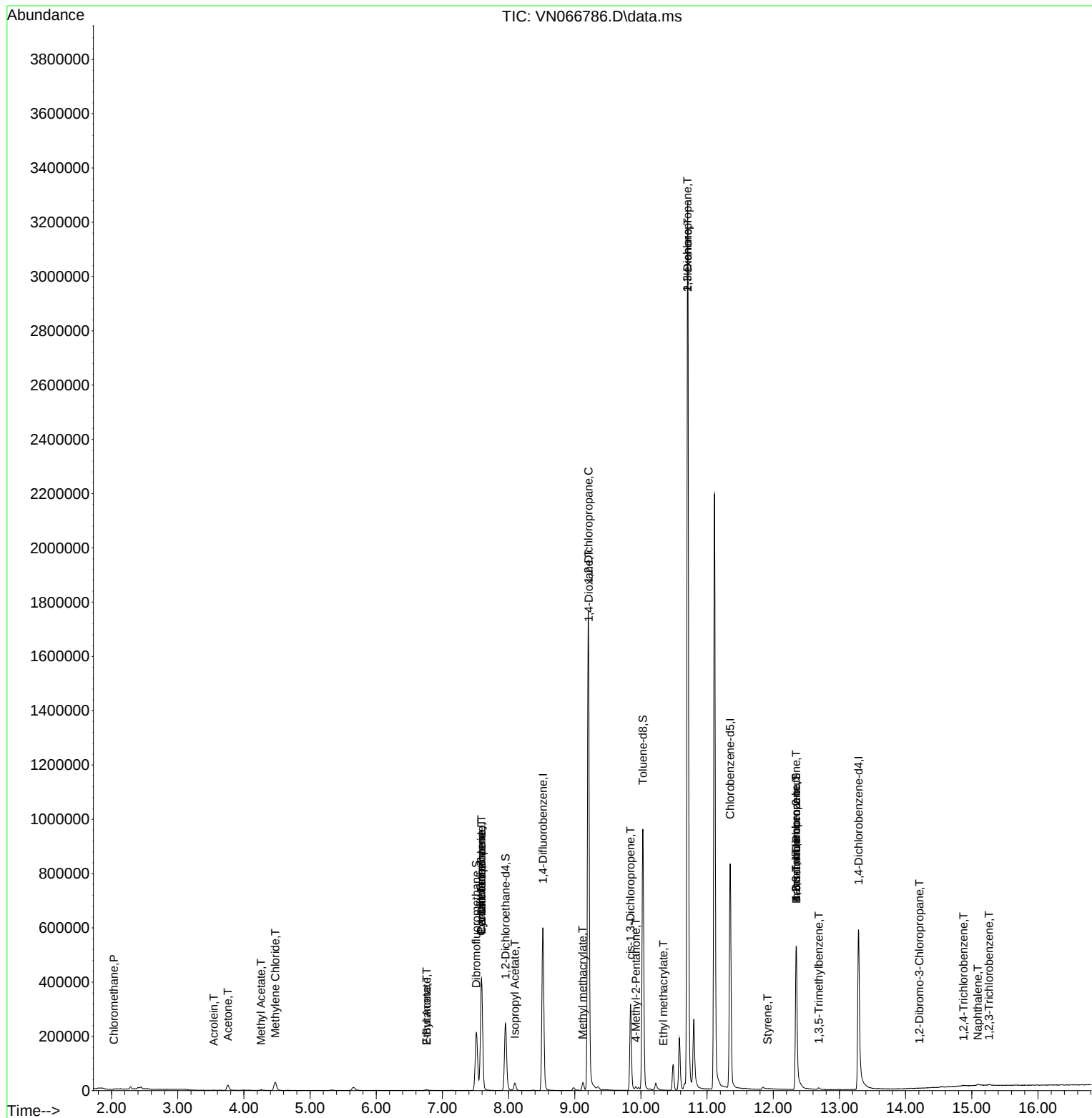
Internal Standards						
1) Pentafluorobenzene	7.591	168	354334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	555976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	506690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	208479	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	217084	47.68	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.36%		
35) Dibromofluoromethane	7.513	113	170407	49.65	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.30%		
50) Toluene-d8	10.029	98	679941	50.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.94%		
62) 4-Bromofluorobenzene	12.346	95	219968	48.26	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.52%		
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1336	0.27	ug/l	98
13) Acrolein	3.544	56	425	0.72	ug/l #	1
16) Acetone	3.758	43	33952	19.77	ug/l	100
18) Methyl Acetate	4.257	43	5472	2.27	ug/l #	82
20) Methylene Chloride	4.475	84	22550	5.18	ug/l	95
25) 2-Butanone	6.760	43	5627	2.33	ug/l	97
31) Cyclohexane	7.588	56	7353	1.04	ug/l #	5
36) 1,1-Dichloropropene	7.591	75	25776	4.99	ug/l #	49
37) Ethyl Acetate	6.760	43	5627	1.03	ug/l #	68
38) Carbon Tetrachloride	7.591	117	31304	6.32	ug/l #	17
43) Isopropyl Acetate	8.095	43	34214	3.92	ug/l #	88
45) 1,2-Dichloropropane	9.208	63	2148	0.50	ug/l #	44
48) Methyl methacrylate	9.117	41	7278	1.91	ug/l #	10
49) 1,4-Dioxane	9.211	88	80	1.41	ug/l #	1
51) 4-Methyl-2-Pentanone	9.924	43	9296	1.96	ug/l	93
54) cis-1,3-Dichloropropene	9.844	75	59556	9.07	ug/l #	63
56) Ethyl methacrylate	10.337	69	112	3.19	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	34084	5.38	ug/l #	43
59) 2-Hexanone	10.707	43	490119	140.71	ug/l #	49
70) Styrene	11.914	104	111	3.05	ug/l #	26
71) Bromoform	12.349	173	1337	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	111714	25.42	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.687	105	4464	0.35	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.346	75	111714	68.03	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.210	75	202	0.22	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.875	180	1191	0.33	ug/l #	44
95) Naphthalene	15.090	128	6610	0.71	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.259	180	1543	0.44	ug/l #	54

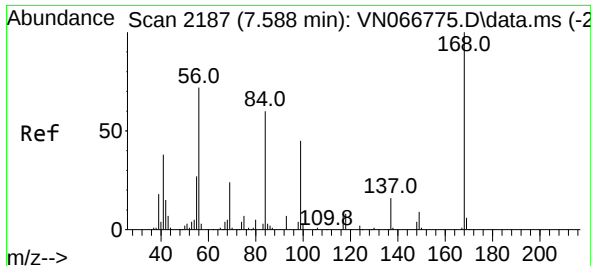
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 27 16:02:50 2021
Response via : Initial Calibration

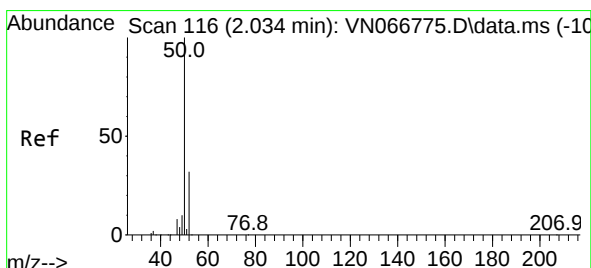
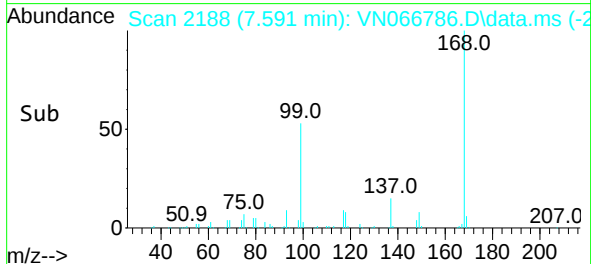
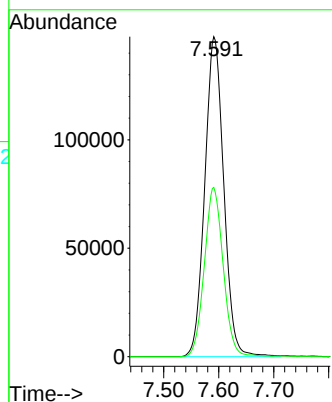
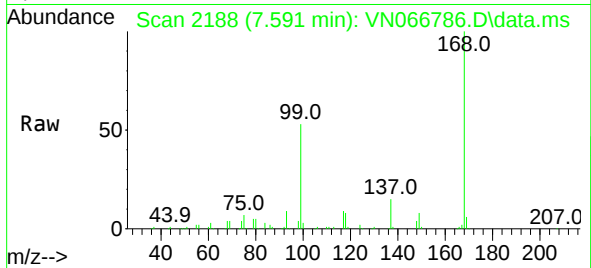




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

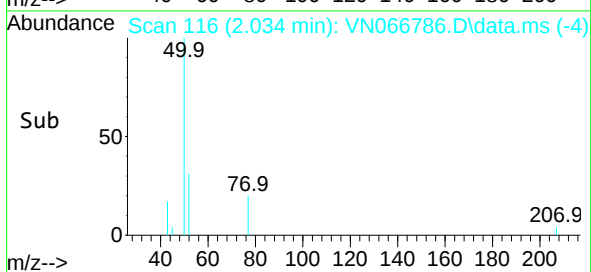
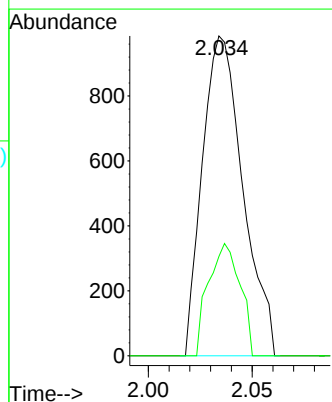
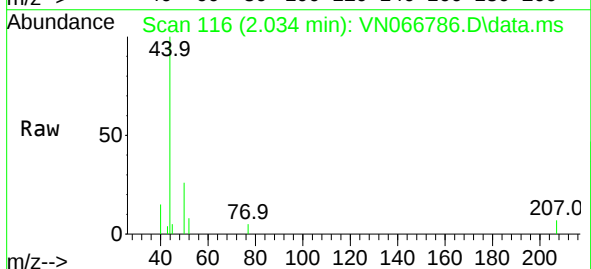
Instrument :
MSVOA_N
ClientSampled :

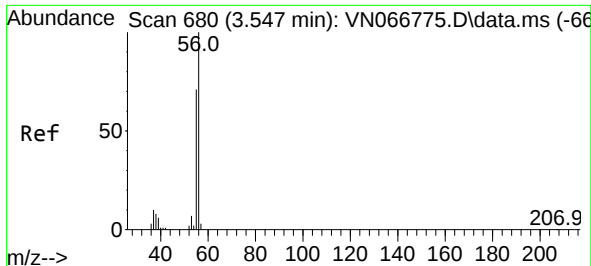
Tgt Ion:168 Resp: 354334
Ion Ratio Lower Upper
168 100
99 52.9 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.034 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

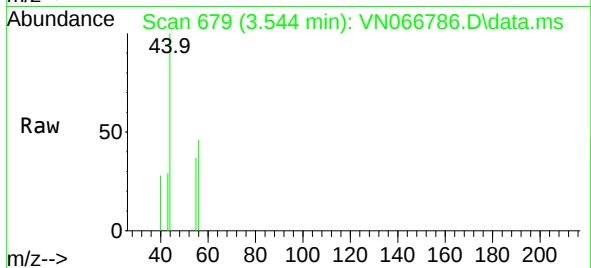
Tgt Ion: 50 Resp: 1336
Ion Ratio Lower Upper
50 100
52 31.1 25.8 38.8



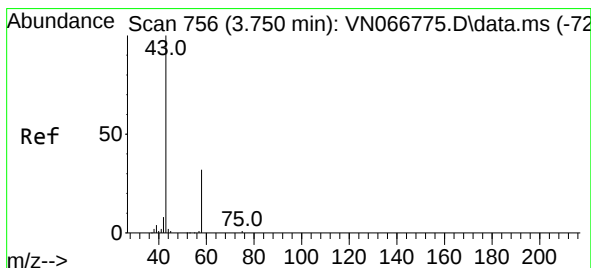
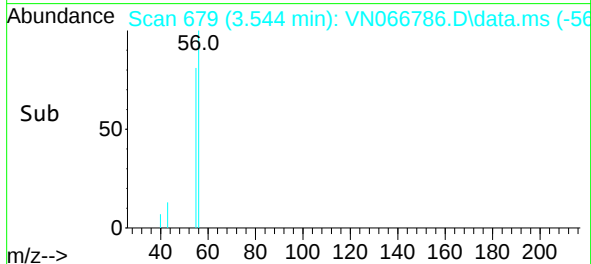
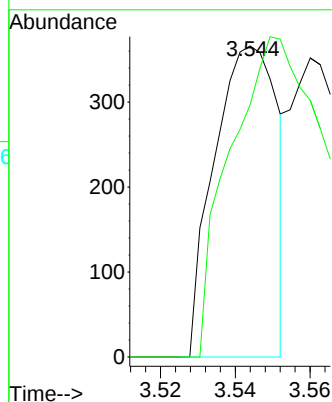


#13
Acrolein
Concen: 0.72 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

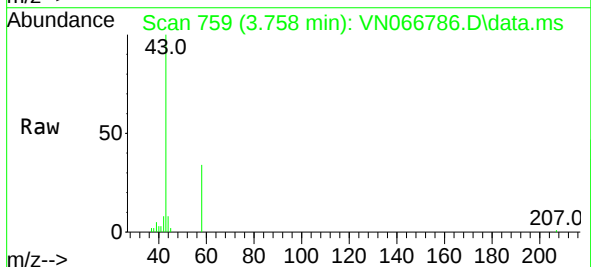
Instrument :
MSVOA_N
ClientSampled :



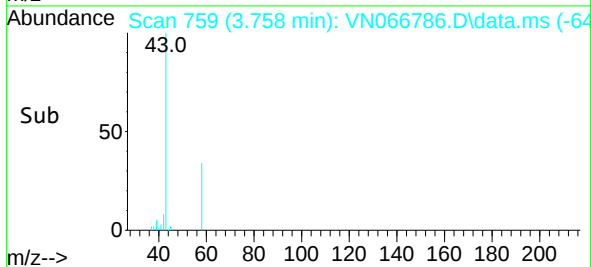
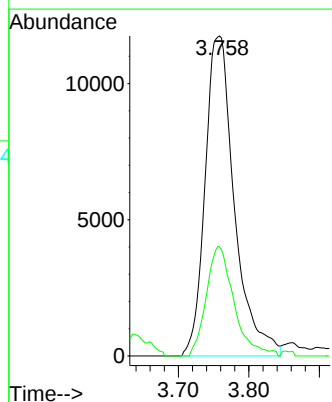
Tgt Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
55 179.8 56.0 84.0#

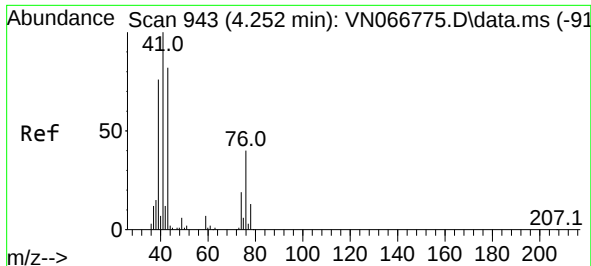


#16
Acetone
Concen: 19.77 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.008 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14



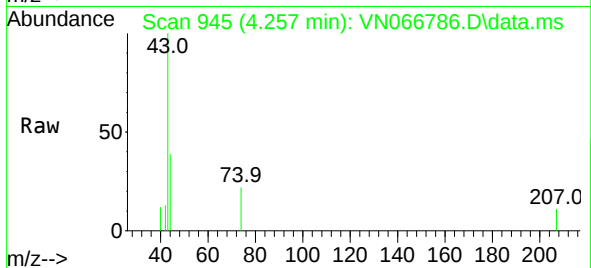
Tgt Ion: 43 Resp: 33952
Ion Ratio Lower Upper
43 100
58 34.1 27.0 40.6



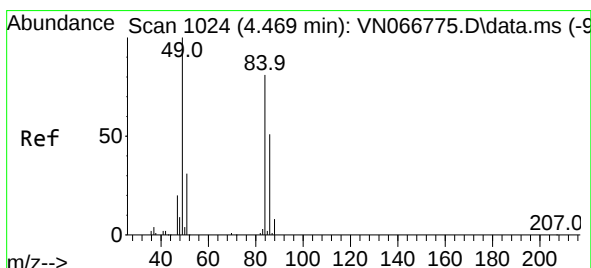
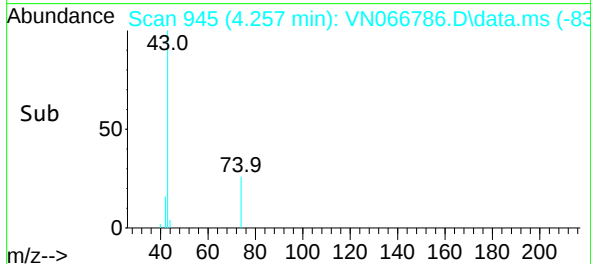
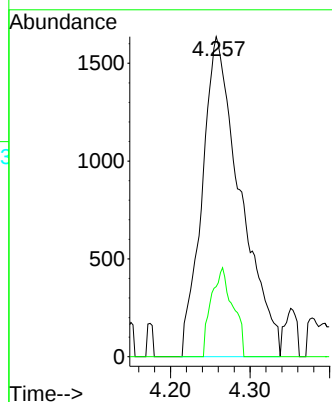


#18
Methyl Acetate
Concen: 2.27 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampled :

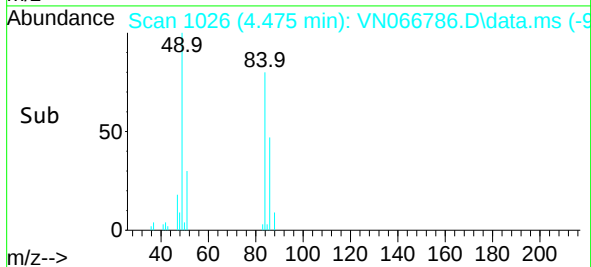
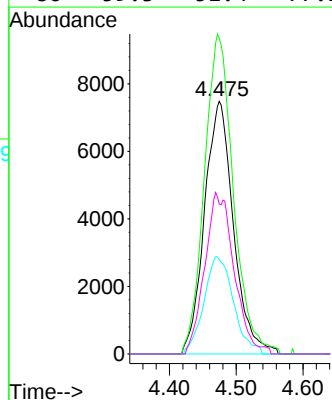
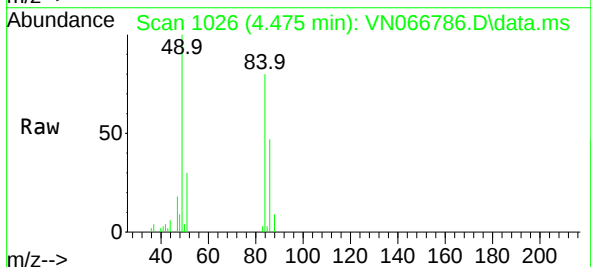


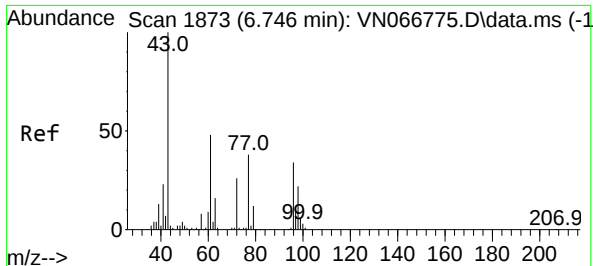
Tgt Ion: 43 Resp: 5472
Ion Ratio Lower Upper
43 100
74 15.6 19.5 29.3#



#20
Methylene Chloride
Concen: 5.18 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion: 84 Resp: 22550
Ion Ratio Lower Upper
84 100
49 125.0 94.6 141.8
51 37.4 29.9 44.9
86 59.3 51.4 77.2

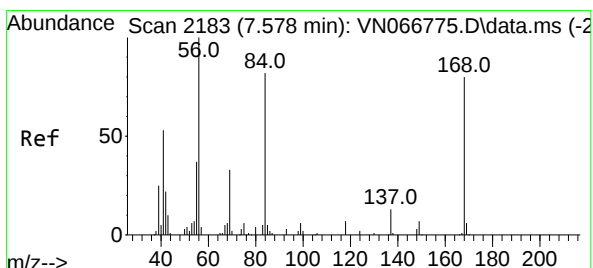
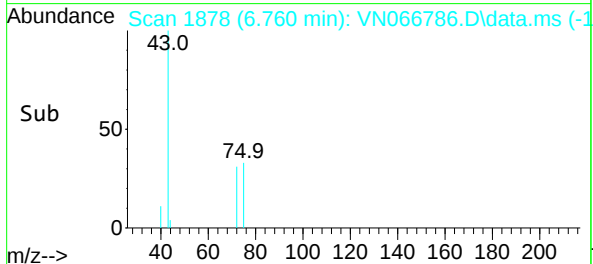
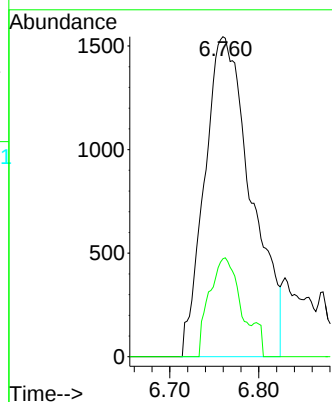
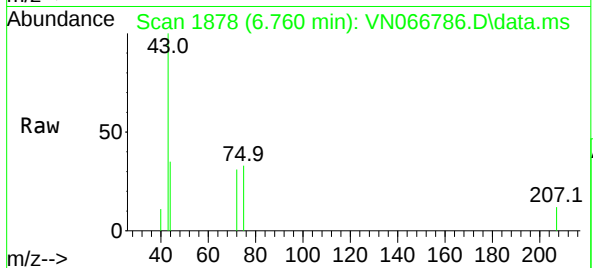




#25
2-Butanone
Concen: 2.33 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

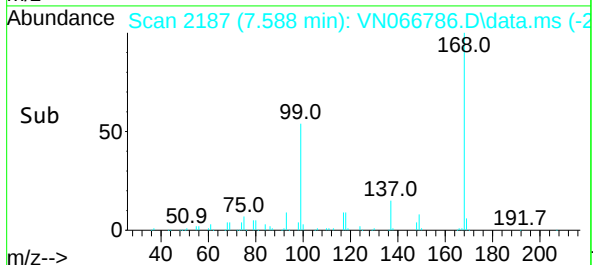
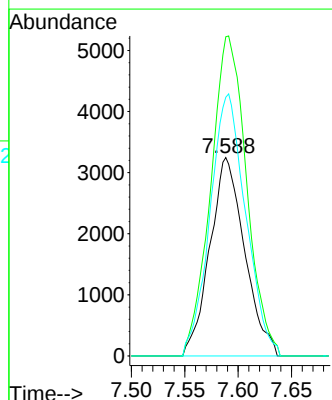
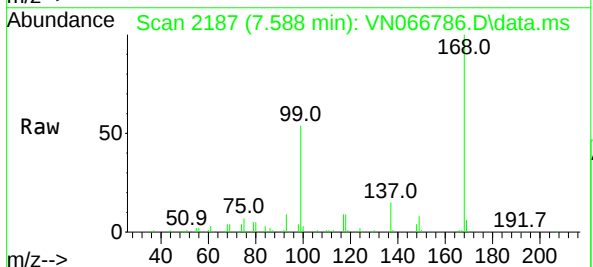
Instrument :
MSVOA_N
ClientSampled :

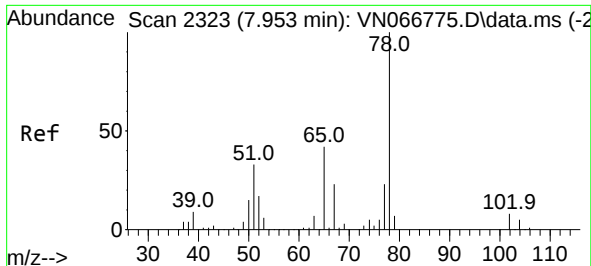
Tgt Ion: 43 Resp: 5627
Ion Ratio Lower Upper
43 100
72 30.6 23.1 34.7



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion: 56 Resp: 7353
Ion Ratio Lower Upper
56 100
69 161.0 26.6 39.8#
84 130.4 70.4 105.6#

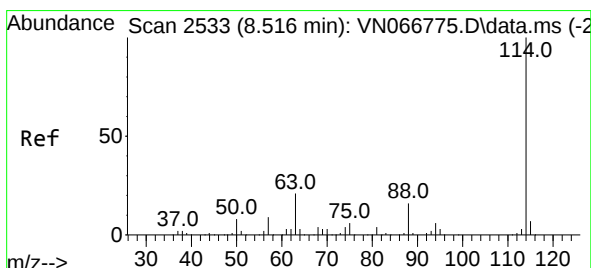
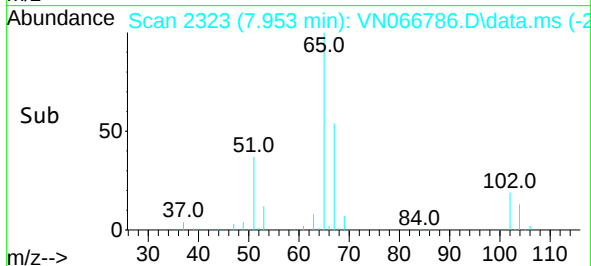
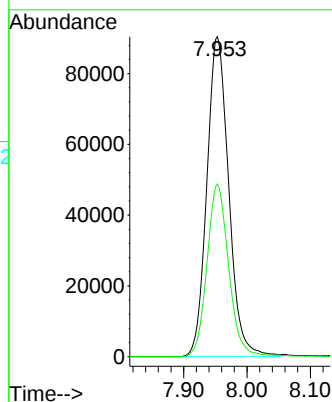
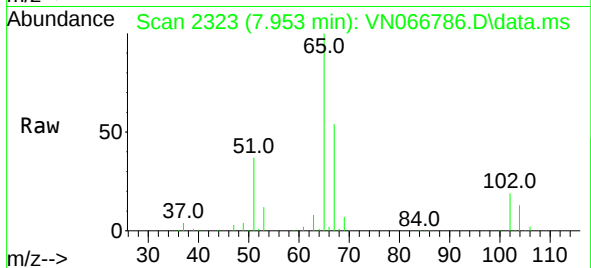




#33
 1,2-Dichloroethane-d4
 Concen: 47.68 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066786.D
 Acq: 27 Apr 2021 17:14

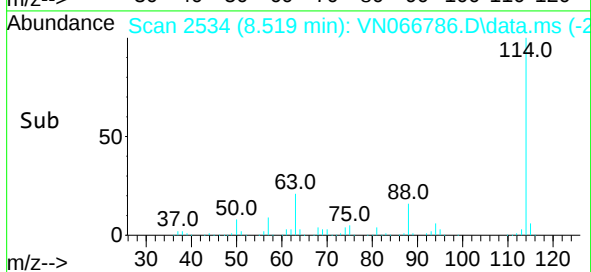
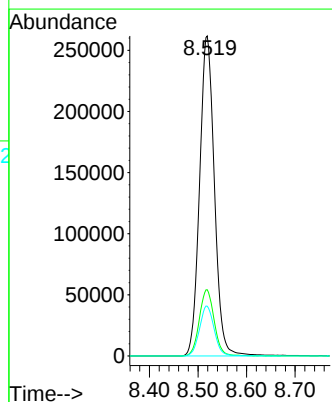
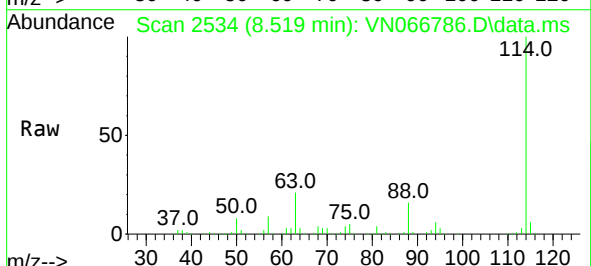
Instrument :
 MSVOA_N
 ClientSampled :

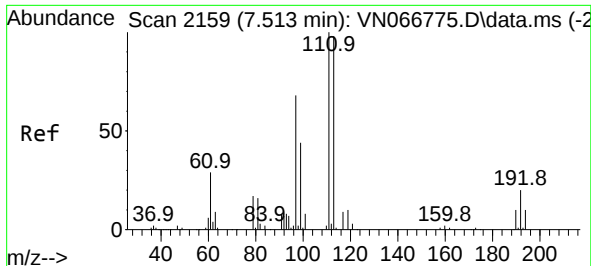
Tgt Ion: 65 Resp: 217084
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066786.D
 Acq: 27 Apr 2021 17:14

Tgt Ion: 114 Resp: 555976
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.6
 88 15.6 0.0 30.6

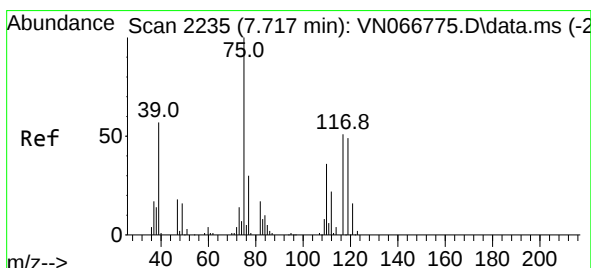
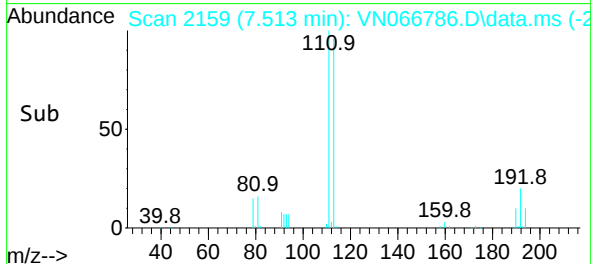
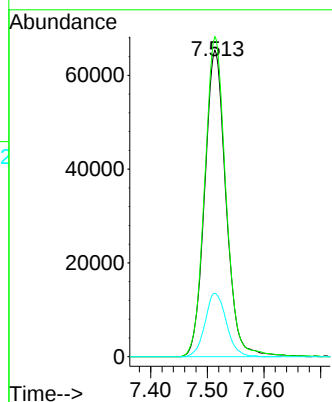
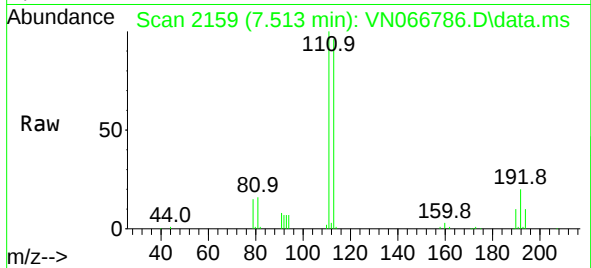




#35
Dibromofluoromethane
Concen: 49.65 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

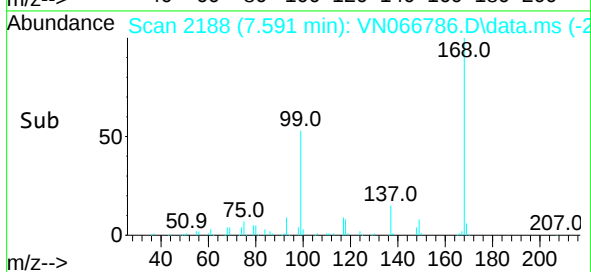
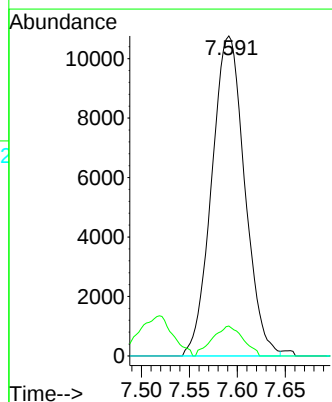
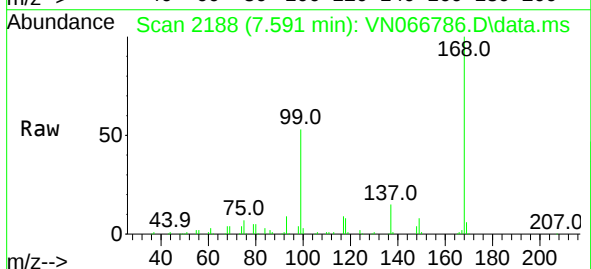
Instrument :
MSVOA_N
ClientSampled :

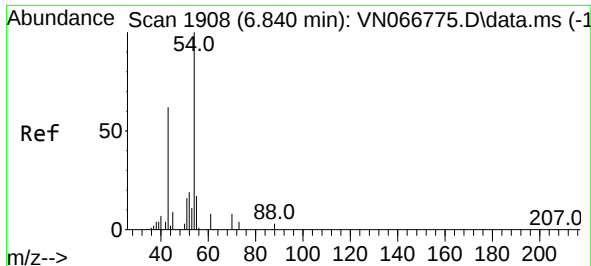
Tgt Ion:113 Resp: 170407
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.2
192 20.7 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.99 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion: 75 Resp: 25776
Ion Ratio Lower Upper
75 100
110 8.6 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.03 ug/l

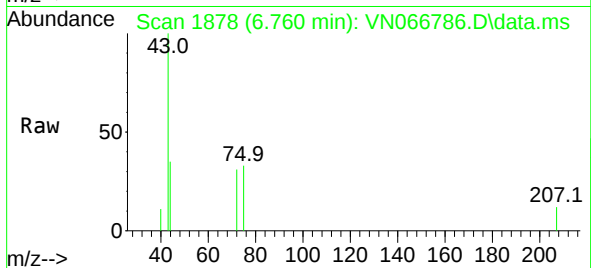
RT: 6.760 min Scan# 1878

Delta R.T. -0.080 min

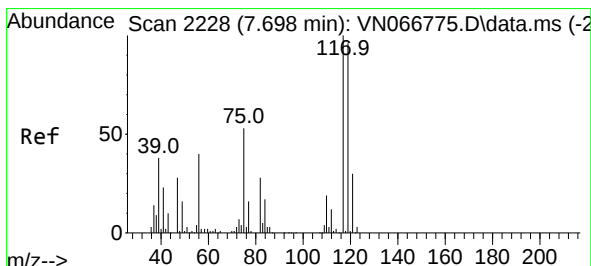
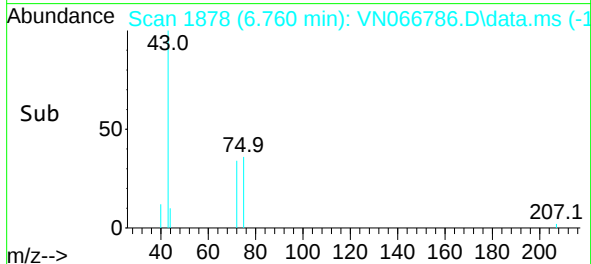
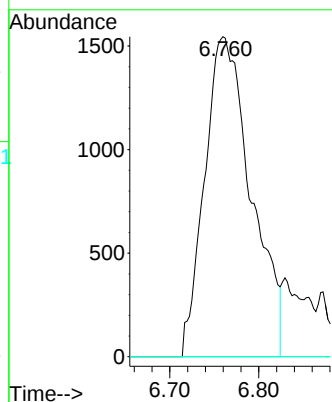
Lab File: VN066786.D

Acq: 27 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	43	Resp:	5627
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.32 ug/l

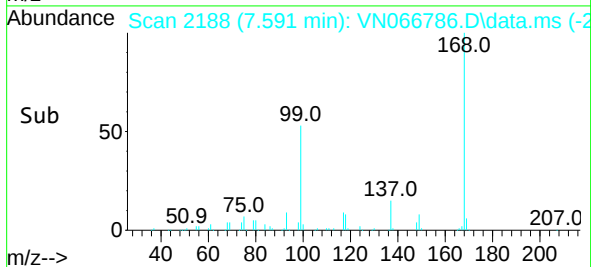
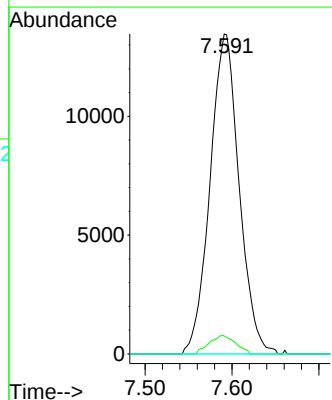
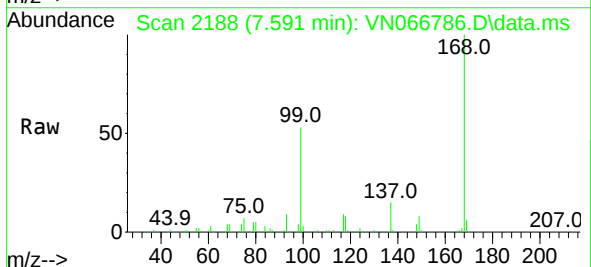
RT: 7.591 min Scan# 2188

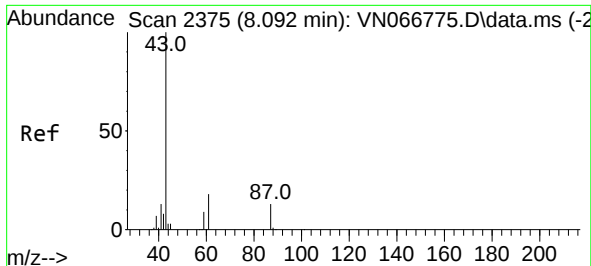
Delta R.T. -0.107 min

Lab File: VN066786.D

Acq: 27 Apr 2021 17:14

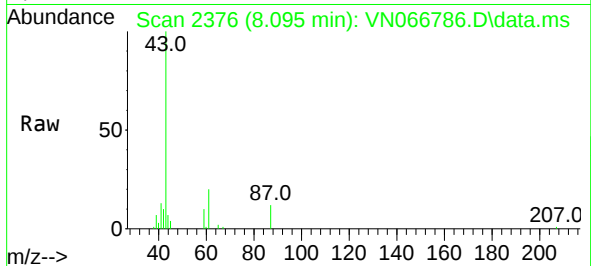
Tgt Ion:	117	Resp:	31304
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.0	114.0#
121	0.0	24.5	36.7#



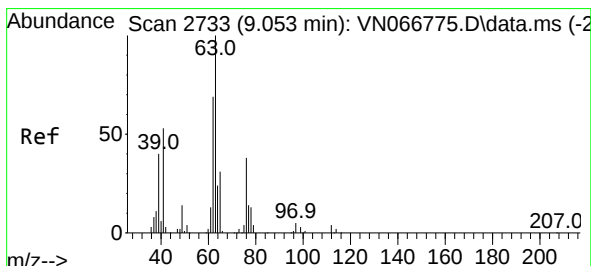
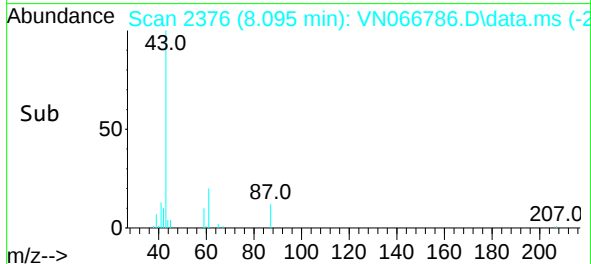
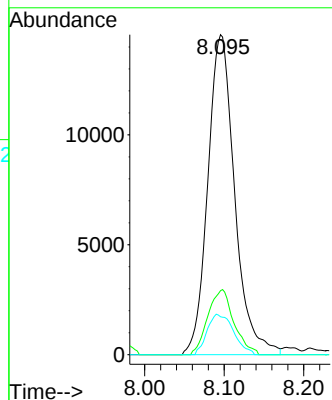


#43
Isopropyl Acetate
Concen: 3.92 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampled :

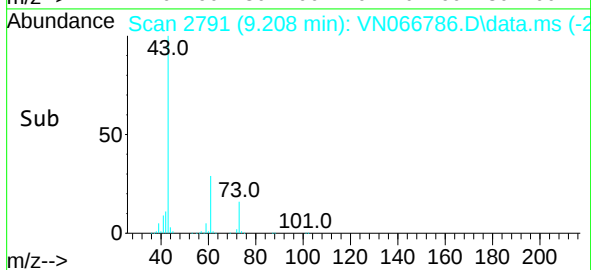
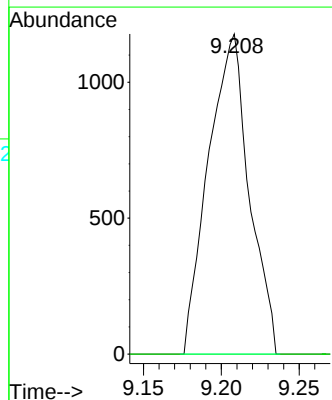
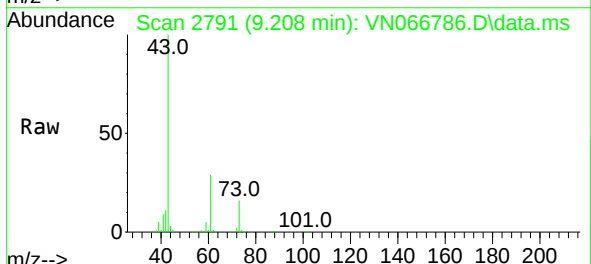


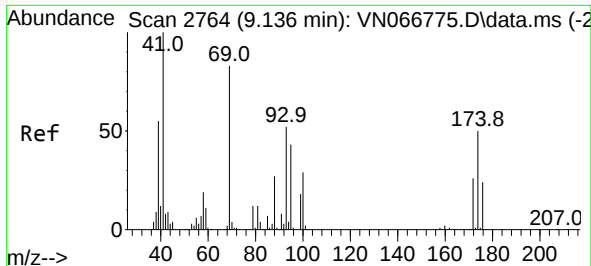
Tgt Ion: 43 Resp: 34214
Ion Ratio Lower Upper
43 100
61 19.8 22.5 33.7#
87 12.4 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.208 min Scan# 2791
Delta R.T. 0.155 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

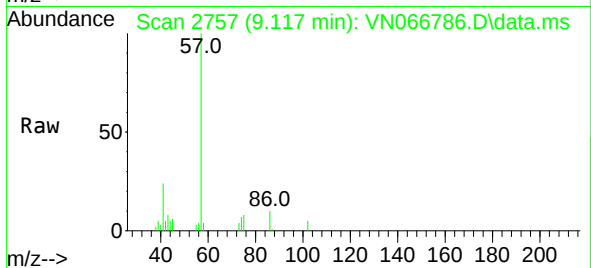
Tgt Ion: 63 Resp: 2148
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



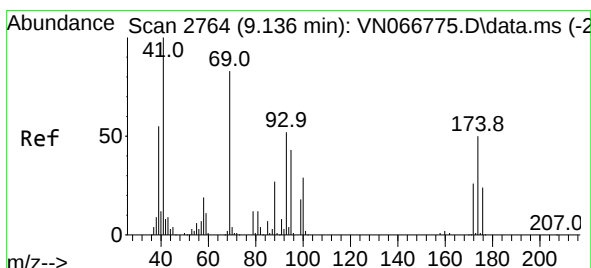
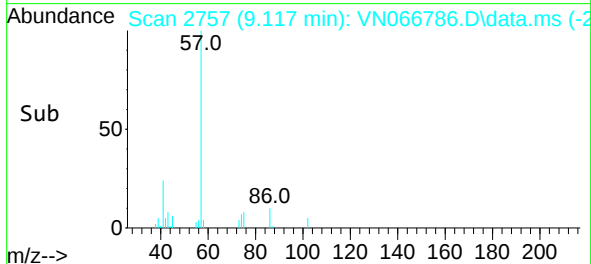
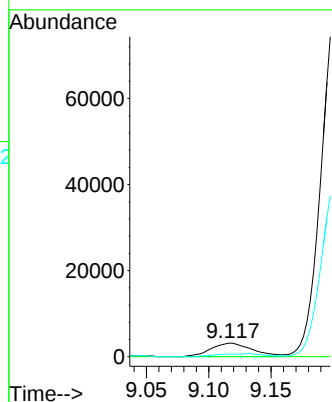


#48
Methyl methacrylate
Concen: 1.91 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampled :

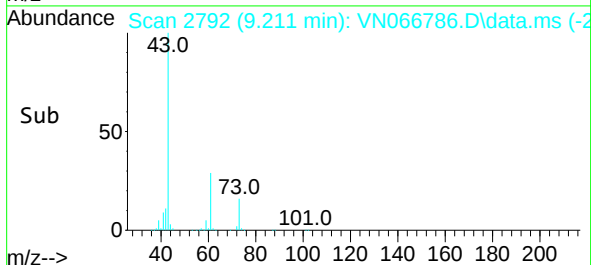
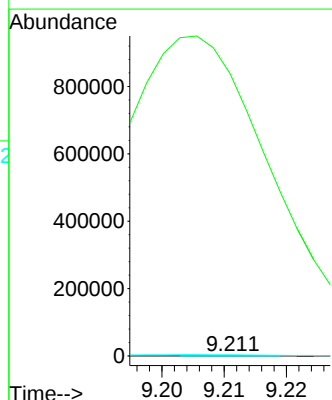
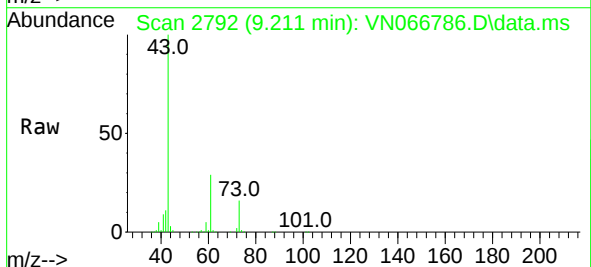


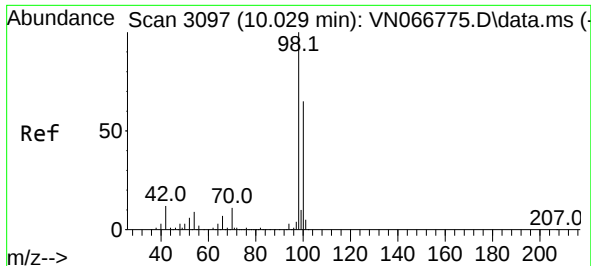
Tgt Ion: 41 Resp: 7278
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 1.41 ug/l
RT: 9.211 min Scan# 2792
Delta R.T. 0.075 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 2288956.3 24.7 37.1#
58 9150.0 52.6 78.8#

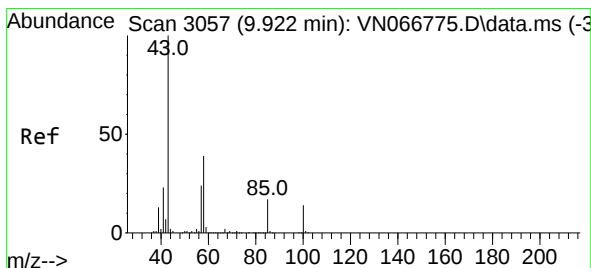
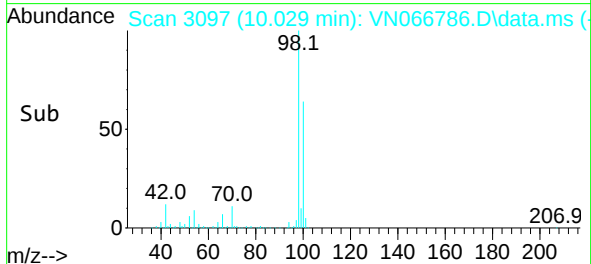
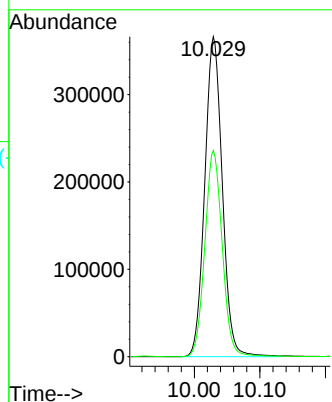
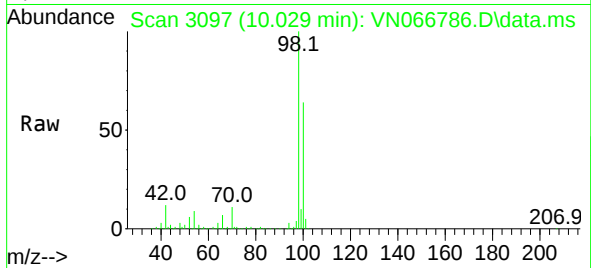




#50
Toluene-d8
Concen: 50.47 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

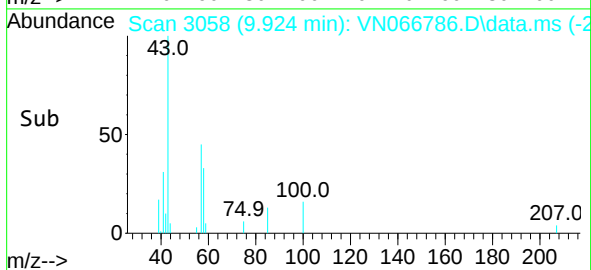
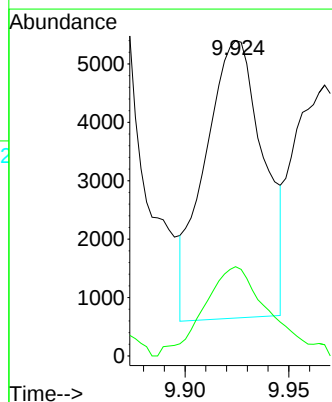
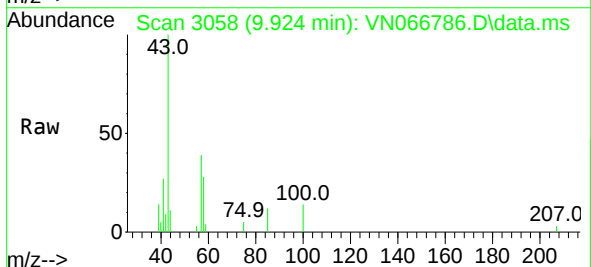
Instrument :
MSVOA_N
ClientSampled :

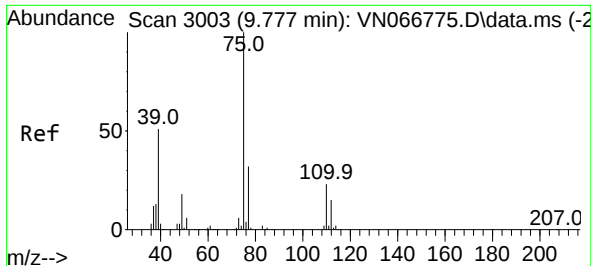
Tgt Ion: 98 Resp: 679941
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.96 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

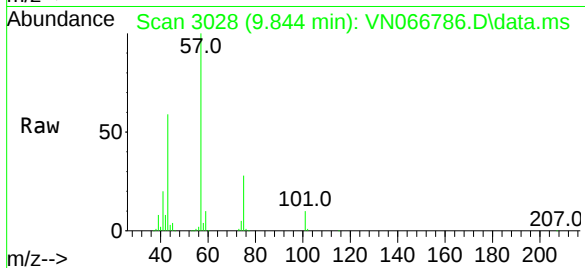
Tgt Ion: 43 Resp: 9296
Ion Ratio Lower Upper
43 100
58 36.0 32.5 48.7



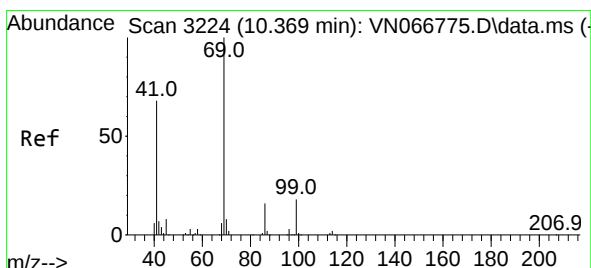
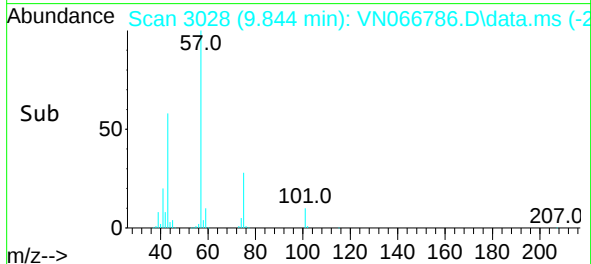
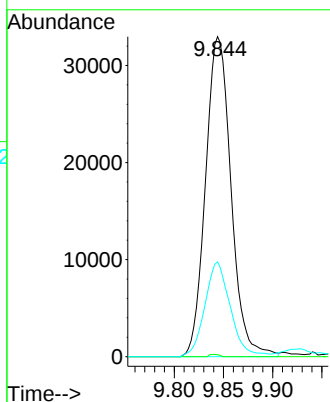


#54
cis-1,3-Dichloropropene
Concen: 9.07 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampled :

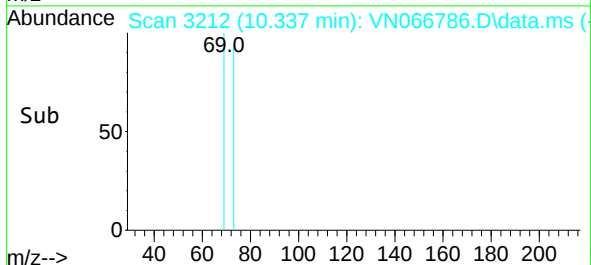
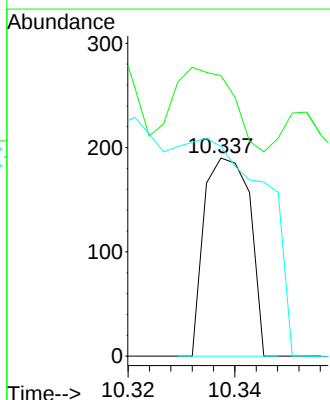
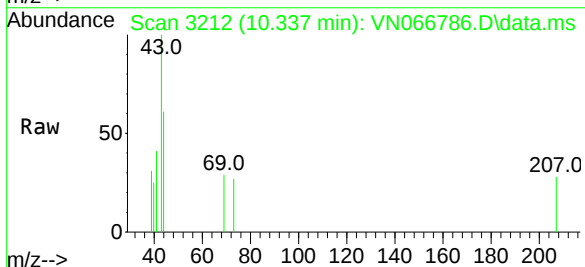


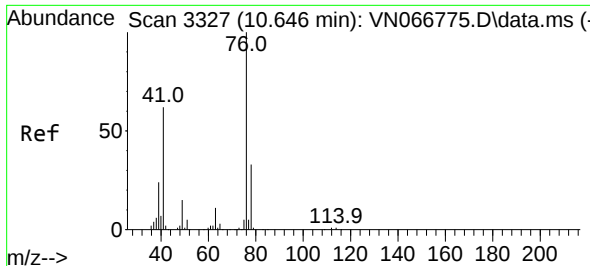
Tgt Ion: 75 Resp: 59556
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 29.6 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.19 ug/l
RT: 10.337 min Scan# 3212
Delta R.T. -0.032 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion: 69 Resp: 112
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

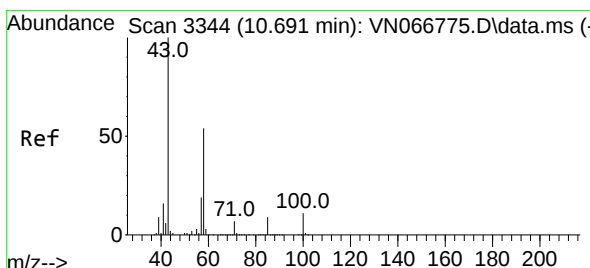
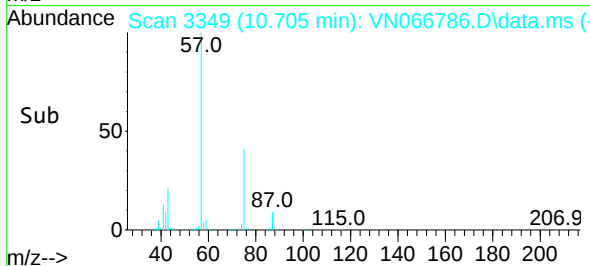
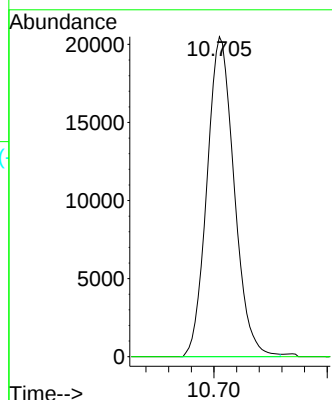
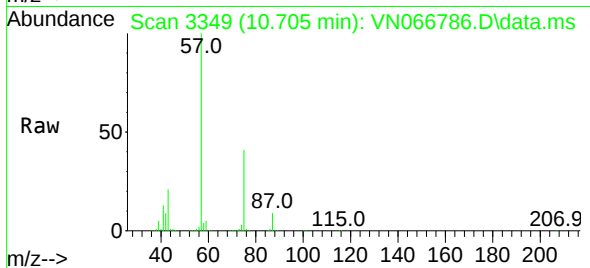




#57
1,3-Dichloropropane
Concen: 5.38 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

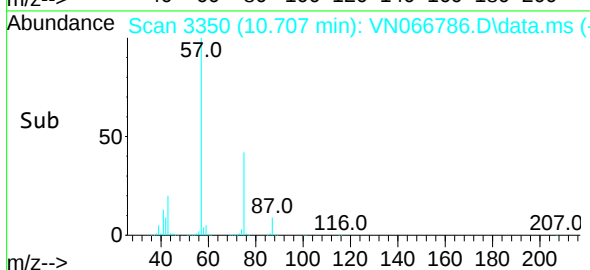
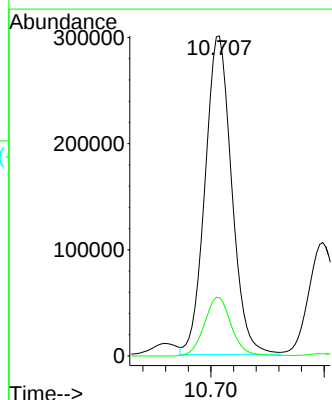
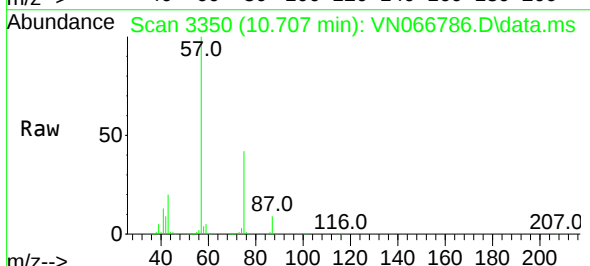
Instrument :
MSVOA_N
ClientSampled :

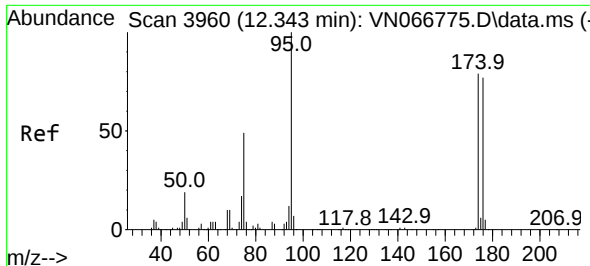
Tgt Ion: 76 Resp: 34084
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 140.71 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion: 43 Resp: 490119
Ion Ratio Lower Upper
43 100
58 18.8 28.1 84.3#

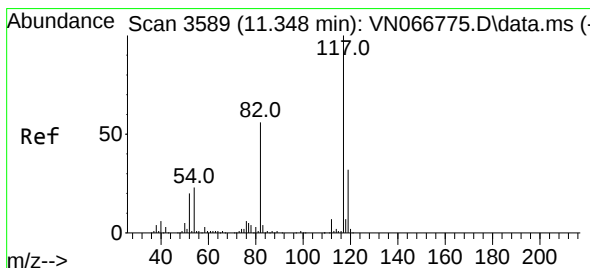
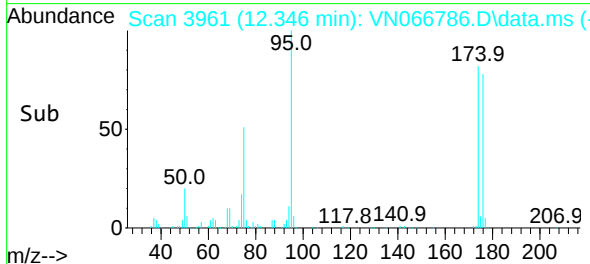
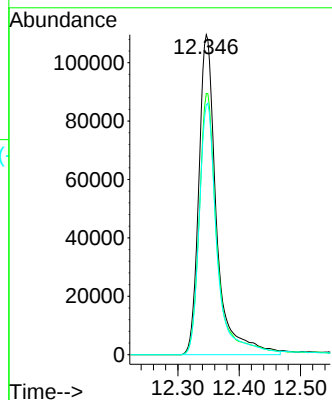
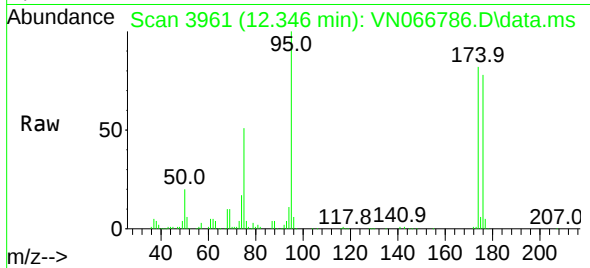




#62
4-Bromofluorobenzene
Concen: 48.26 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

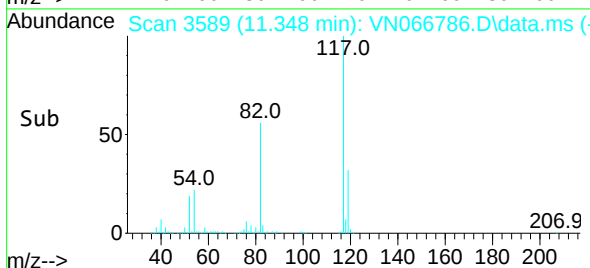
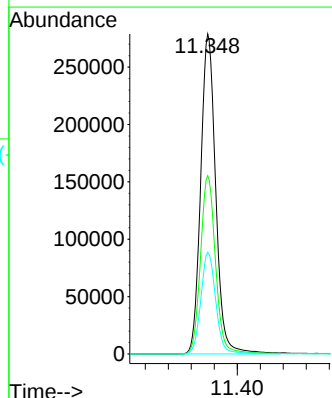
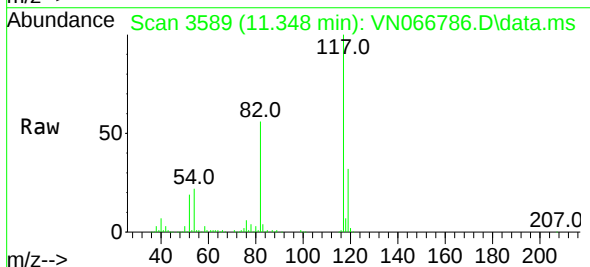
Instrument :
MSVOA_N
ClientSampled :

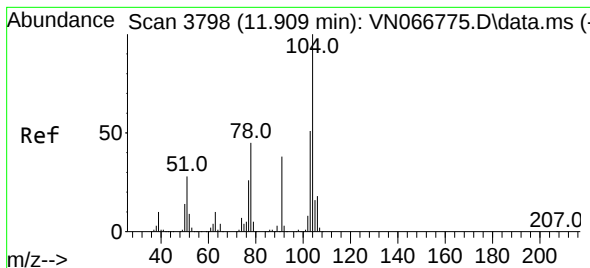
Tgt Ion: 95 Resp: 219968
Ion Ratio Lower Upper
95 100
174 81.8 0.0 169.0
176 79.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion: 117 Resp: 506690
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 31.8 26.1 39.1





#70

Styrene

Concen: 3.05 ug/l

RT: 11.914 min Scan# 3800

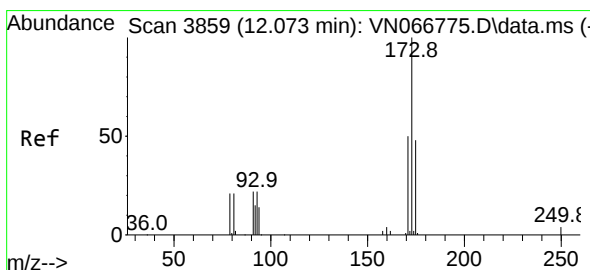
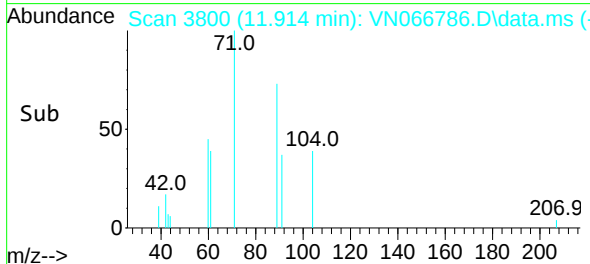
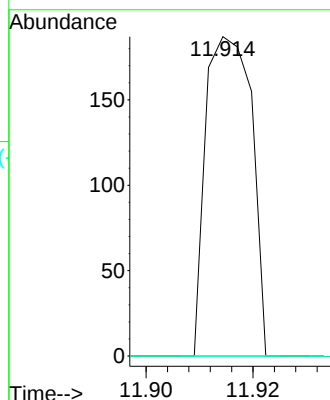
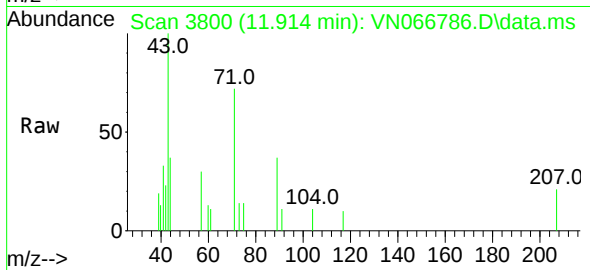
Delta R.T. 0.005 min

Lab File: VN066786.D

Acq: 27 Apr 2021 17:14

Tgt Ion:104	Resp:	111
Ion Ratio	Lower	Upper
104	100	
78	0.0	39.0 58.4#
103	0.0	44.5 66.7#

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 0.49 ug/l

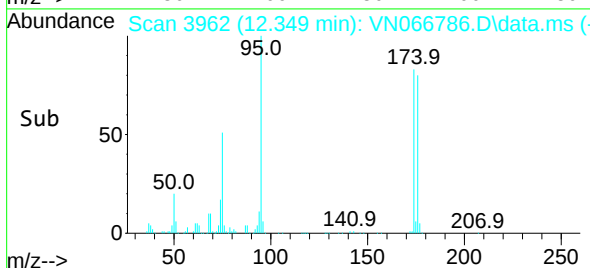
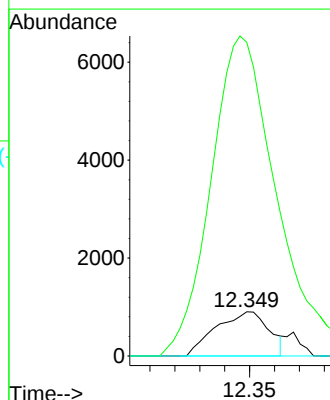
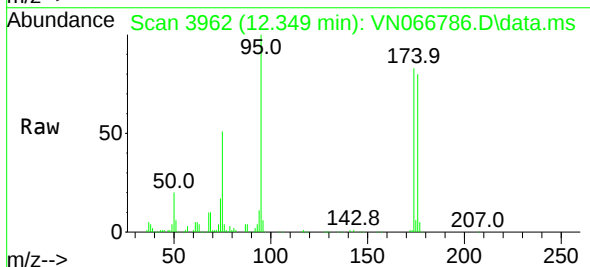
RT: 12.349 min Scan# 3962

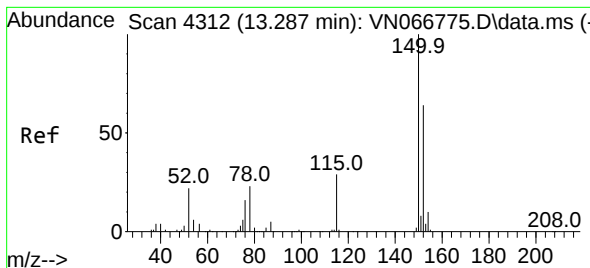
Delta R.T. 0.276 min

Lab File: VN066786.D

Acq: 27 Apr 2021 17:14

Tgt Ion:173	Resp:	1337
Ion Ratio	Lower	Upper
173	100	
175	772.1	23.8 71.2#
254	0.0	0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.288 min Scan# 4312

Delta R.T. 0.000 min

Lab File: VN066786.D

Acq: 27 Apr 2021 17:14

Tgt Ion:152 Resp: 208479

Ion Ratio Lower Upper

152 100

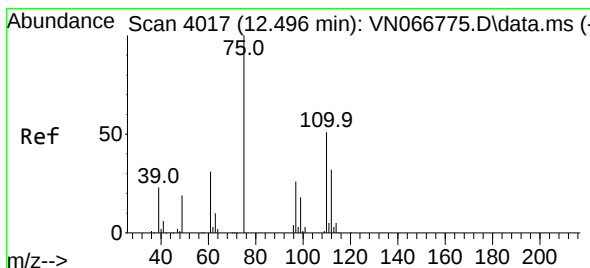
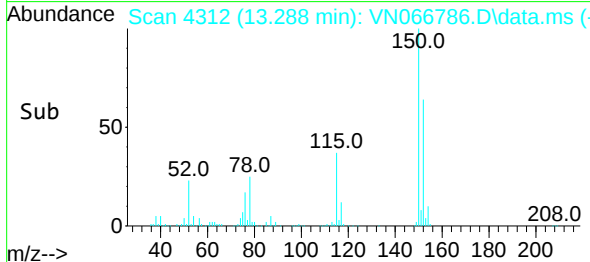
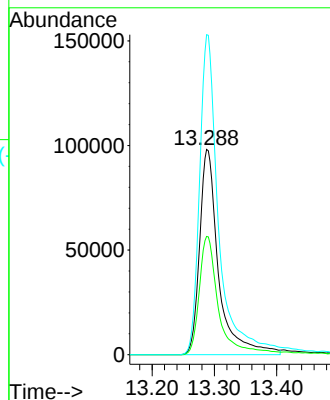
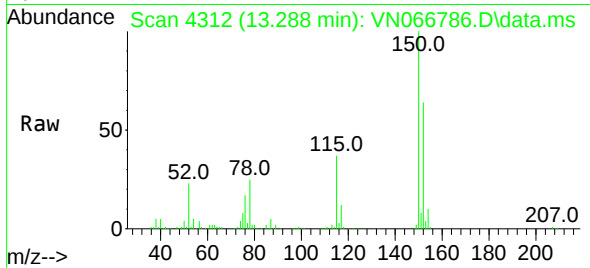
115 58.3 28.5 85.6

150 160.1 0.0 347.6

Instrument :

MSVOA_N

ClientSampled :



#76

1,2,3-Trichloropropane

Concen: 25.42 ug/l

RT: 12.346 min Scan# 3961

Delta R.T. -0.150 min

Lab File: VN066786.D

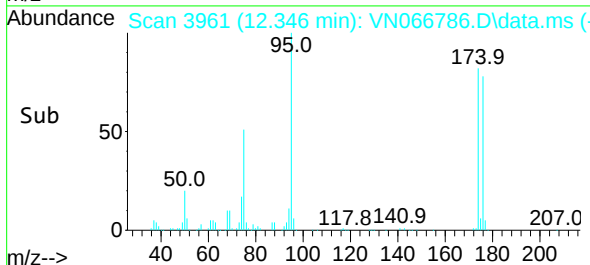
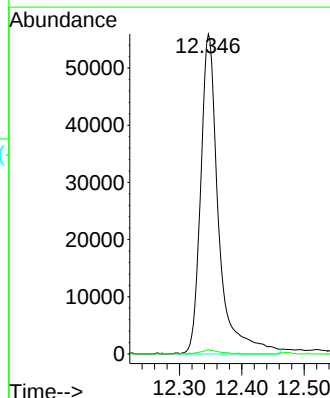
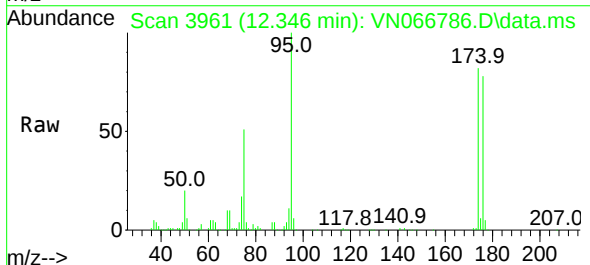
Acq: 27 Apr 2021 17:14

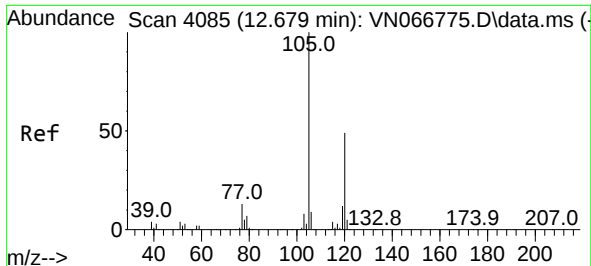
Tgt Ion: 75 Resp: 111714

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

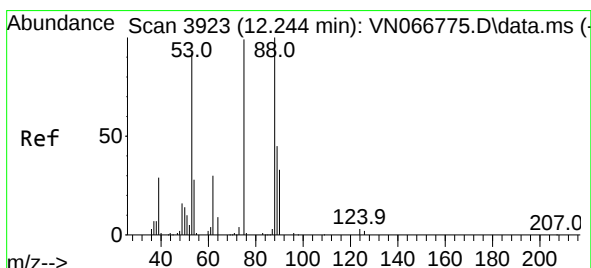
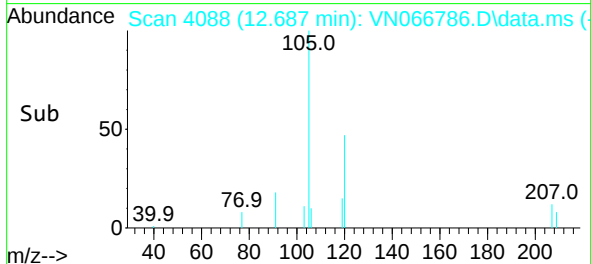
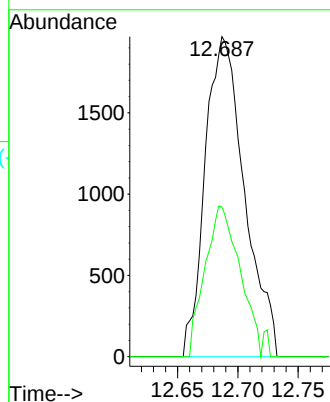
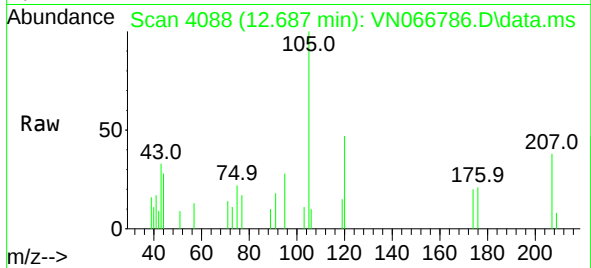




#80
 1,3,5-Trimethylbenzene
 Concen: 0.35 ug/l
 RT: 12.687 min Scan# 4088
 Delta R.T. 0.008 min
 Lab File: VN066786.D
 Acq: 27 Apr 2021 17:14

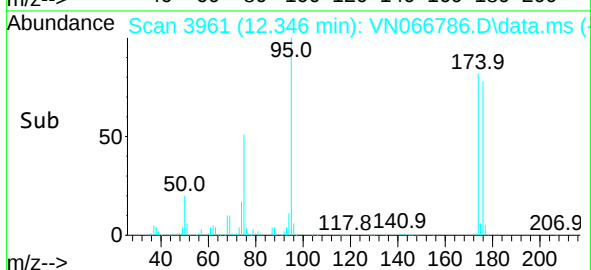
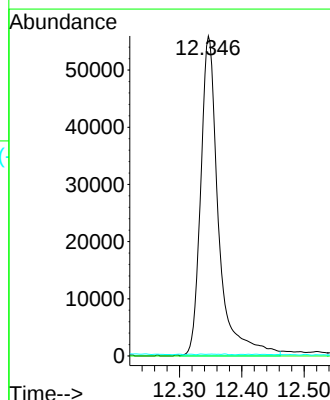
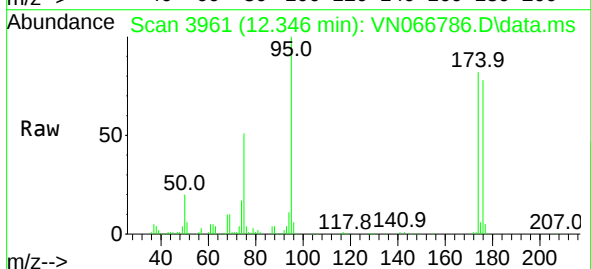
Instrument :
 MSVOA_N
 ClientSampled :

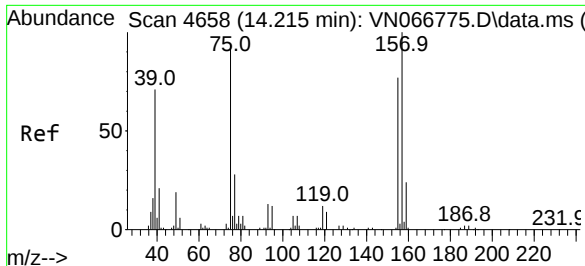
Tgt Ion:105 Resp: 4464
 Ion Ratio Lower Upper
 105 100
 120 41.8 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.03 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066786.D
 Acq: 27 Apr 2021 17:14

Tgt Ion: 75 Resp: 111714
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 35.8 53.8#

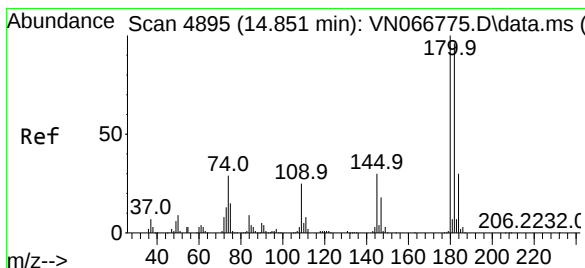
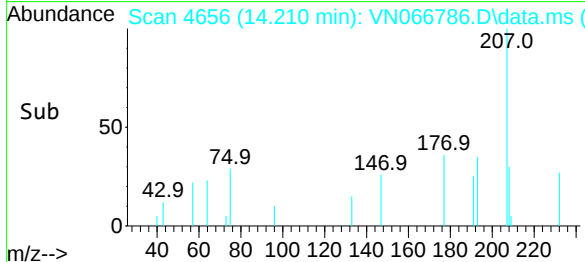
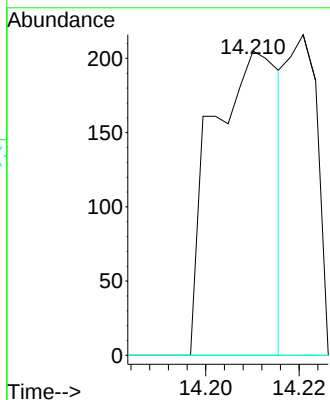
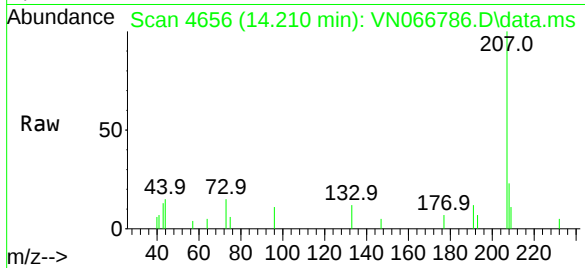




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.22 ug/l
 RT: 14.210 min Scan# 4656
 Delta R.T. -0.005 min
 Lab File: VN066786.D
 Acq: 27 Apr 2021 17:14

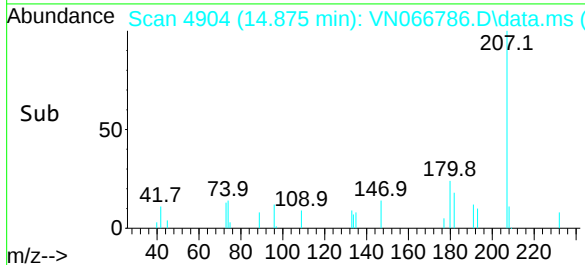
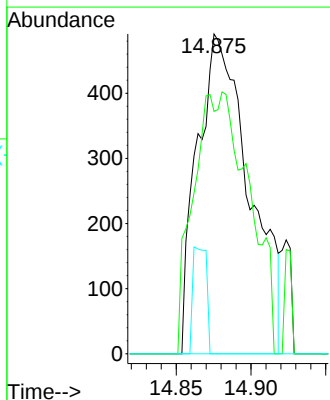
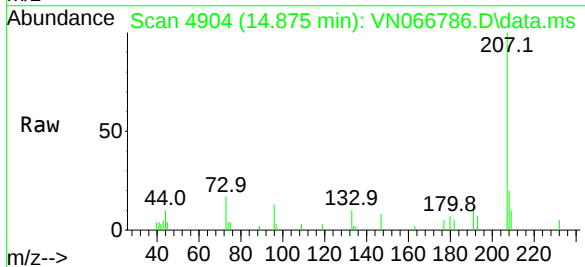
Instrument :
 MSVOA_N
 ClientSampled :

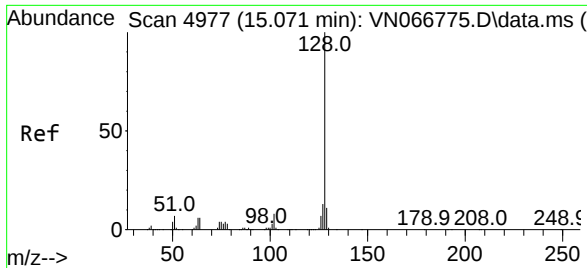
Tgt Ion: 75 Resp: 202
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.33 ug/l
 RT: 14.875 min Scan# 4904
 Delta R.T. 0.024 min
 Lab File: VN066786.D
 Acq: 27 Apr 2021 17:14

Tgt Ion: 180 Resp: 1191
 Ion Ratio Lower Upper
 180 100
 182 35.3 47.3 142.0#
 145 8.6 15.6 46.8#

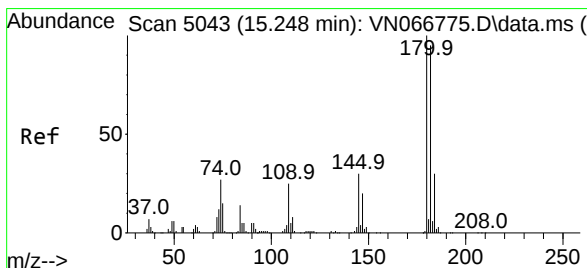
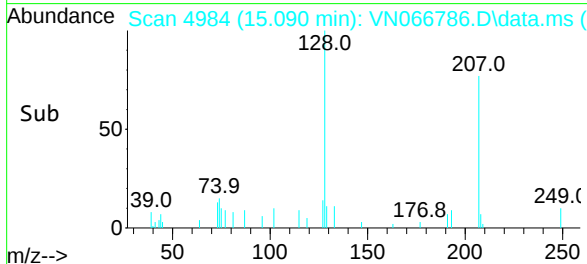
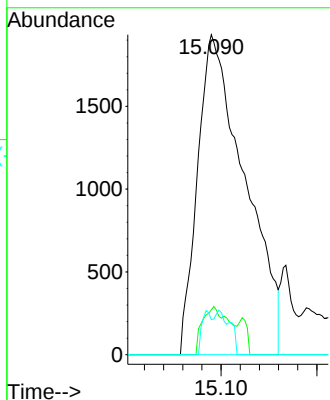
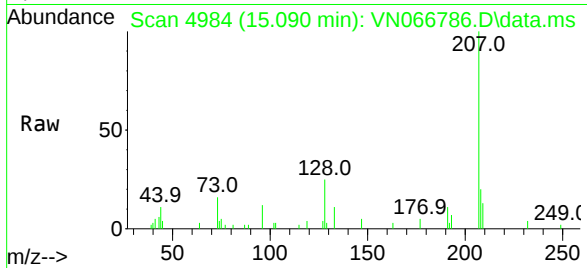




#95
Naphthalene
Concen: 0.71 ug/l
RT: 15.090 min Scan# 4984
Delta R.T. 0.019 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6610
Ion Ratio Lower Upper
128 100
127 8.6 10.2 15.2#
129 2.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.44 ug/l
RT: 15.259 min Scan# 5047
Delta R.T. 0.011 min
Lab File: VN066786.D
Acq: 27 Apr 2021 17:14

Tgt Ion:180 Resp: 1543
Ion Ratio Lower Upper
180 100
182 43.5 47.4 142.3#
145 18.3 16.5 49.5

