

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066659.D
 Acq On : 19 Apr 2021 13:55
 Operator : JC/MD
 Sample : M2075-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 04:55:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

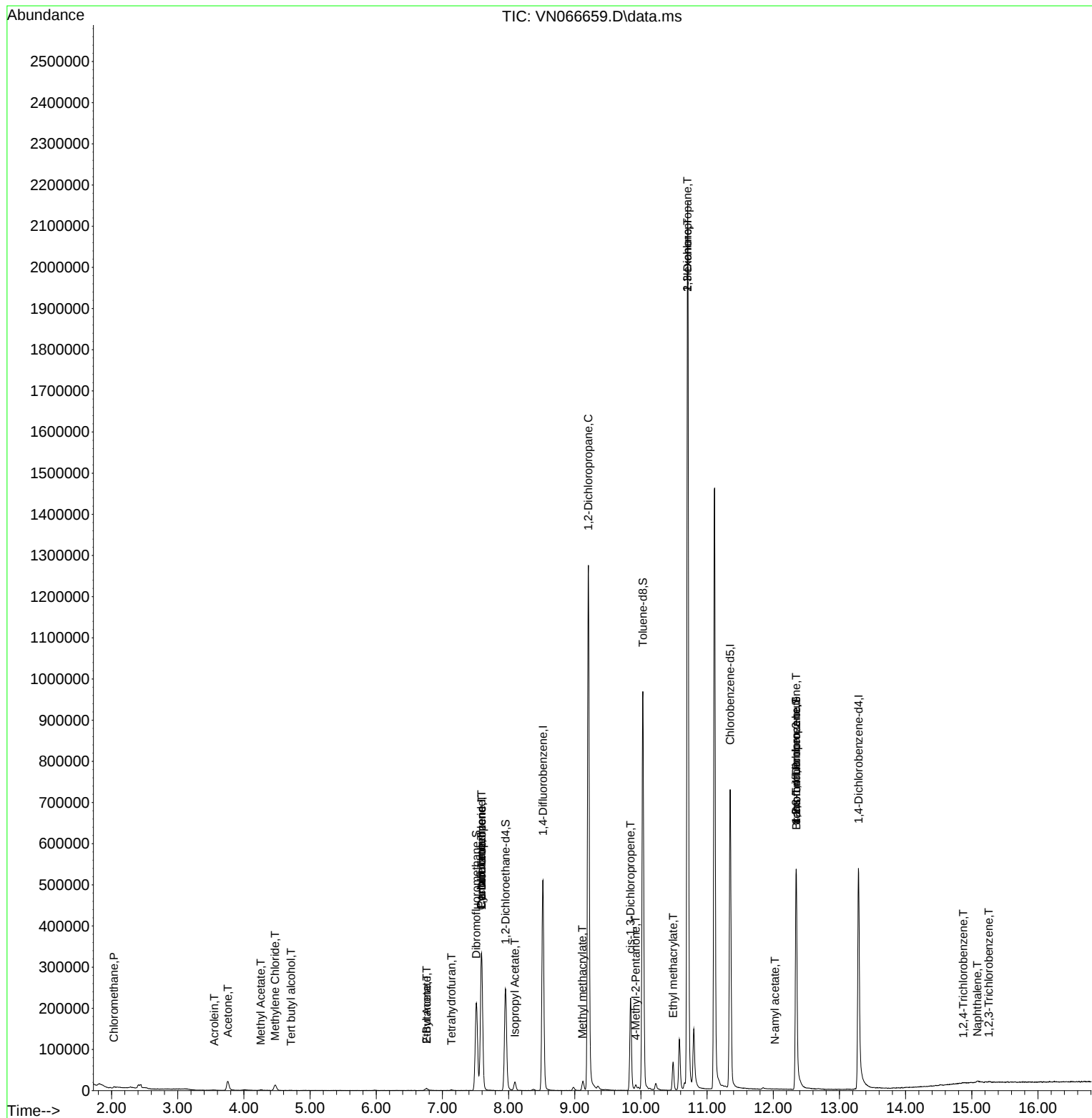
Internal Standards						
1) Pentafluorobenzene	7.591	168	291741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	463428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	437211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	186121	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	212728	48.33	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.66%		
35) Dibromofluoromethane	7.513	113	169559	52.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.52%		
50) Toluene-d8	10.029	98	671769	53.33	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.66%		
62) 4-Bromofluorobenzene	12.346	95	215390	48.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.26%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1564	0.30	ug/l	91
11) Tert butyl alcohol	4.711	59	189	0.27	ug/l #	73
13) Acrolein	3.552	56	882	2.34	ug/l #	70
16) Acetone	3.759	43	38091	16.27	ug/l	100
18) Methyl Acetate	4.252	43	1924	0.41	ug/l #	76
20) Methylene Chloride	4.472	84	9734	2.34	ug/l	95
25) 2-Butanone	6.760	43	10172	3.92	ug/l	90
29) Tetrahydrofuran	7.138	42	757	0.43	ug/l #	60
31) Cyclohexane	7.588	56	5861	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	21387	4.58	ug/l #	48
37) Ethyl Acetate	6.760	43	10172	1.92	ug/l #	68
38) Carbon Tetrachloride	7.591	117	25973	5.94	ug/l #	18
43) Isopropyl Acetate	8.095	43	25214	2.85	ug/l #	87
45) 1,2-Dichloropropane	9.203	63	1547	0.37	ug/l #	44
48) Methyl methacrylate	9.114	41	6002	1.51	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	9723	1.87	ug/l	89
54) cis-1,3-Dichloropropene	9.844	75	40941	6.71	ug/l #	62
56) Ethyl methacrylate	10.488	69	366	0.96	ug/l #	1
57) 1,3-Dichloropropane	10.705	76	22487	3.68	ug/l #	43
59) 2-Hexanone	10.705	43	330218	92.16	ug/l #	49
71) Bromoform	12.349	173	1481	0.57	ug/l #	1
74) N-amyl acetate	12.024	43	82	9.74	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	106898	24.56	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	106898	75.88	ug/l #	12
88) 1,4-Dichlorobenzene	13.306	146	541	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.870	180	725	0.21	ug/l #	48
95) Naphthalene	15.085	128	5946	0.63	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.256	180	1244	0.35	ug/l #	54

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 20 04:55:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

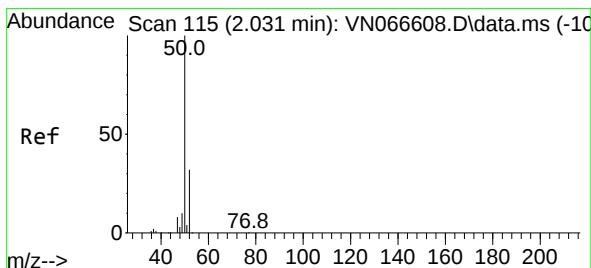
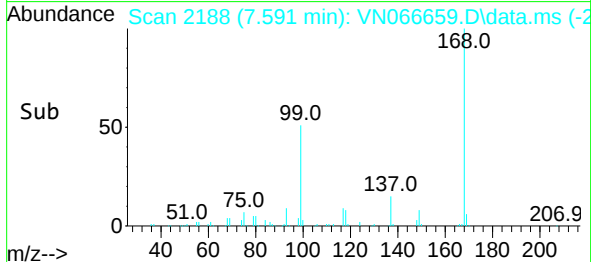
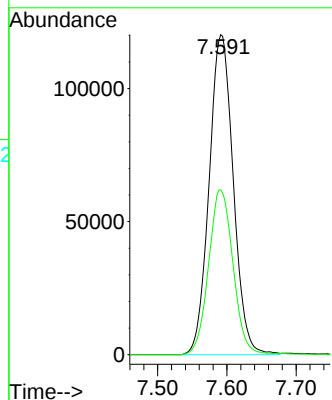
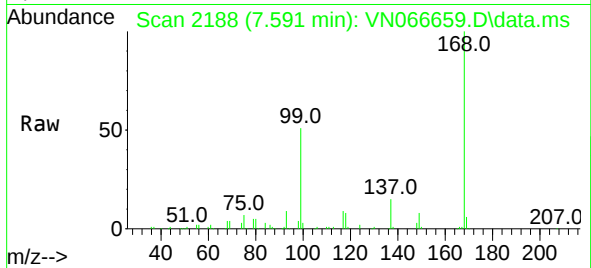




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

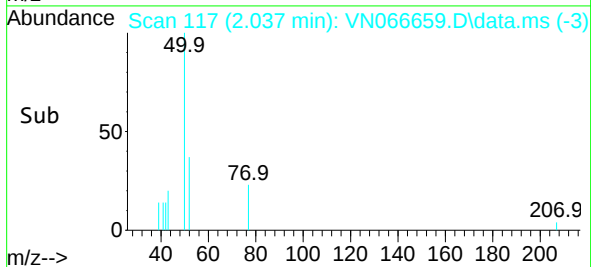
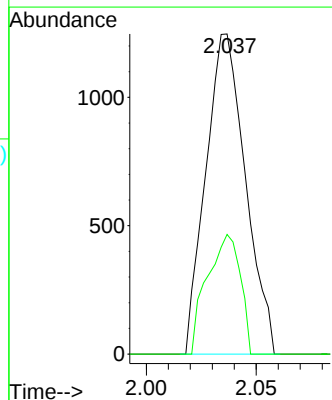
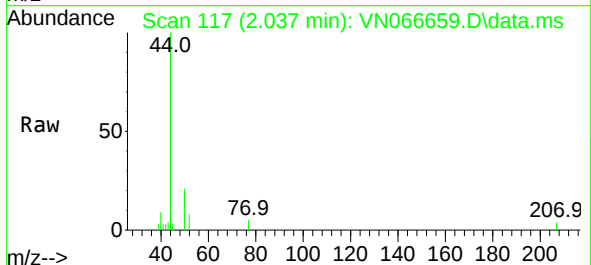
Instrument :
MSVOA_N
ClientSampled :

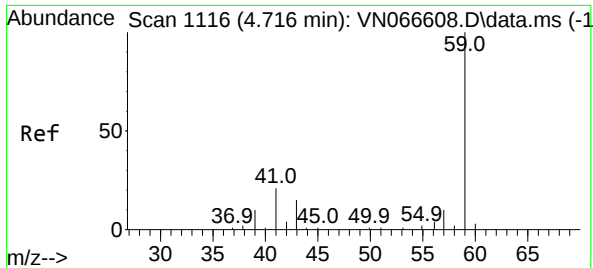
Tgt Ion:168 Resp: 291741
Ion Ratio Lower Upper
168 100
99 51.5 42.6 63.8



#3
Chloromethane
Concen: 0.30 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 50 Resp: 1564
Ion Ratio Lower Upper
50 100
52 37.4 25.8 38.8



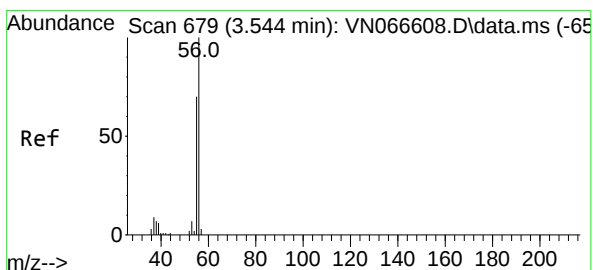
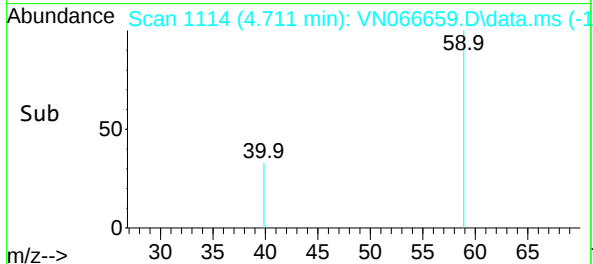
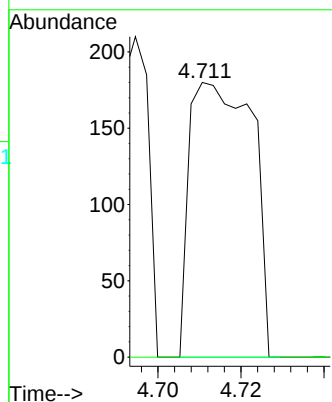
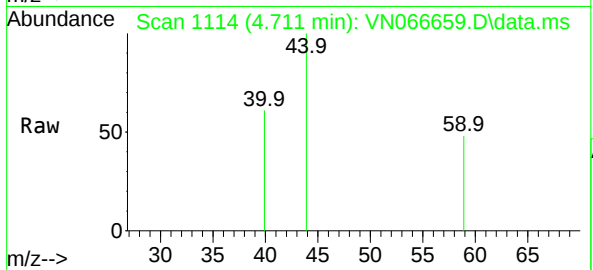


#11

Tert butyl alcohol
Concen: 0.27 ug/l
RT: 4.711 min Scan# 1114
Delta R.T. -0.005 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Instrument :
MSVOA_N
ClientSampled :

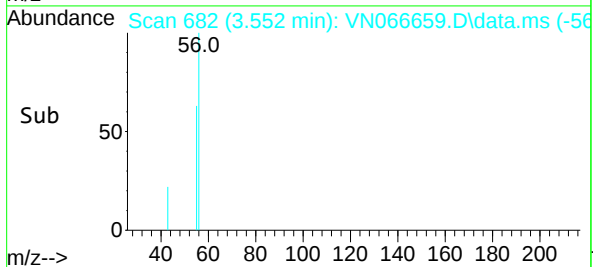
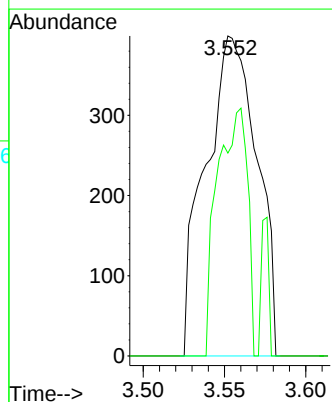
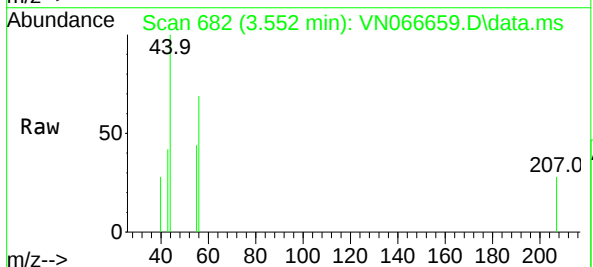
Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

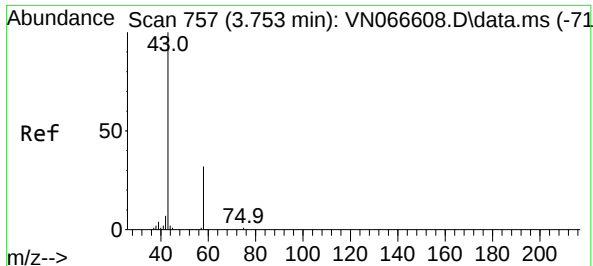


#13

Acrolein
Concen: 2.34 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.008 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 56 Resp: 882
Ion Ratio Lower Upper
56 100
55 45.0 56.0 84.0#

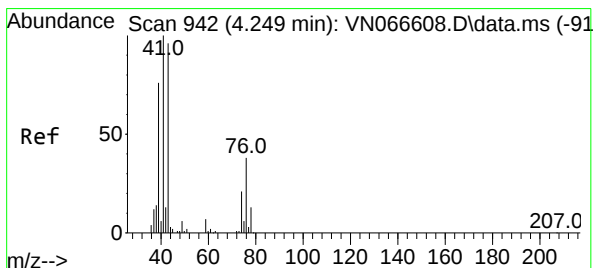
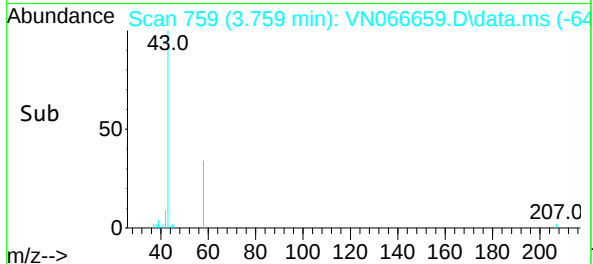
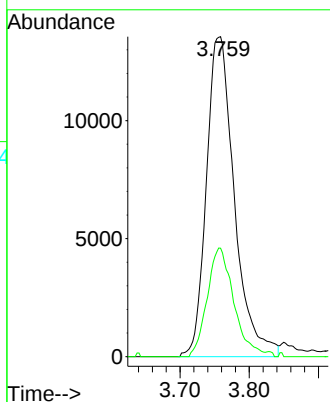
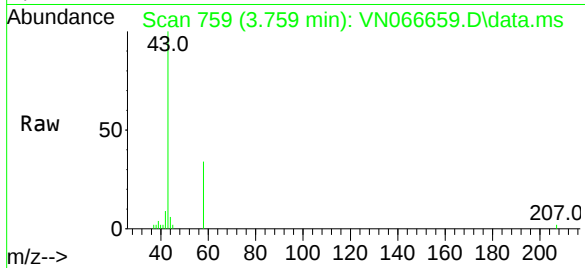




#16
Acetone
Concen: 16.27 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

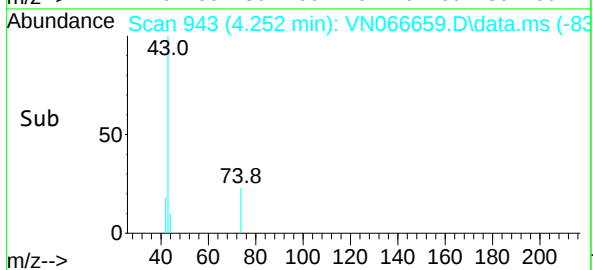
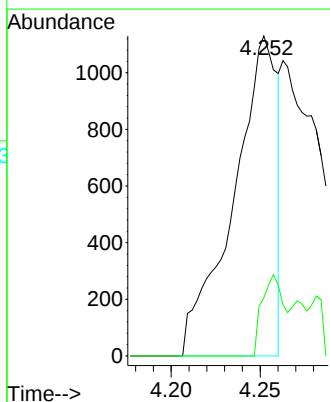
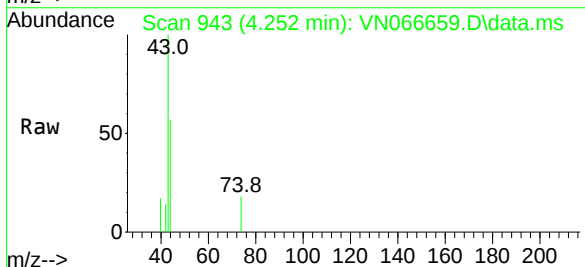
Instrument :
MSVOA_N
ClientSampled :

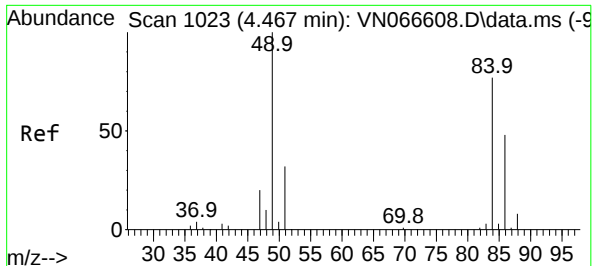
Tgt Ion: 43 Resp: 38091
Ion Ratio Lower Upper
43 100
58 33.9 27.0 40.6



#18
Methyl Acetate
Concen: 0.41 ug/l
RT: 4.252 min Scan# 943
Delta R.T. 0.003 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

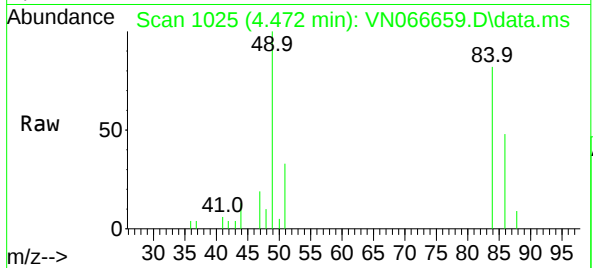
Tgt Ion: 43 Resp: 1924
Ion Ratio Lower Upper
43 100
74 12.6 19.5 29.3#



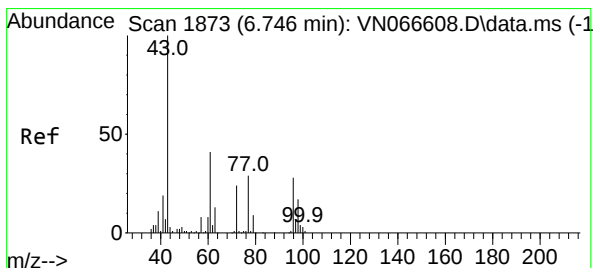
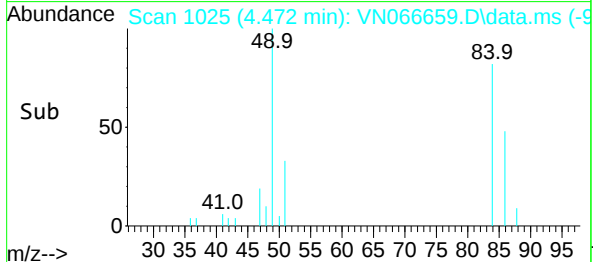
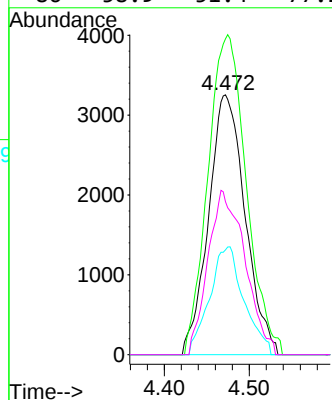


#20
Methylene Chloride
Concen: 2.34 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.005 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :

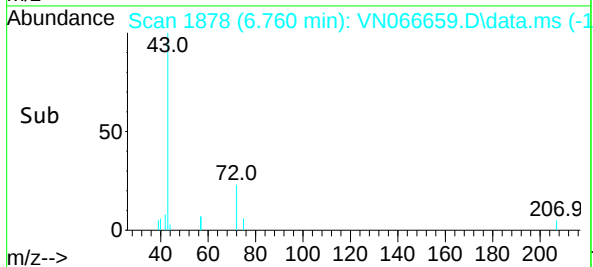
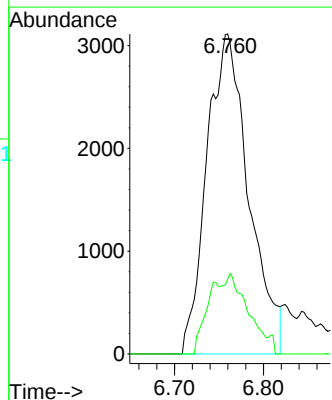
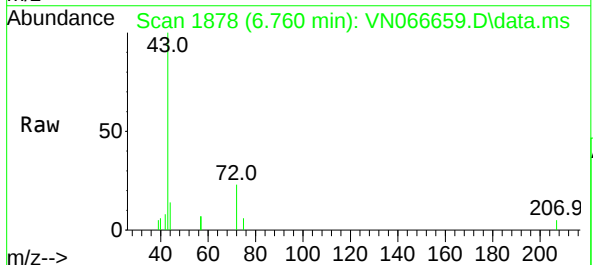


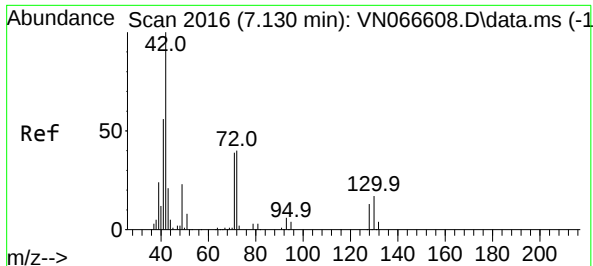
Tgt Ion:	84	Resp:	9734
Ion	Ratio	Lower	Upper
84	100		
49	121.6	94.6	141.8
51	40.4	29.9	44.9
86	58.9	51.4	77.2



#25
2-Butanone
Concen: 3.92 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion:	43	Resp:	10172
Ion	Ratio	Lower	Upper
43	100		
72	23.4	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 7.138 min Scan# 2019

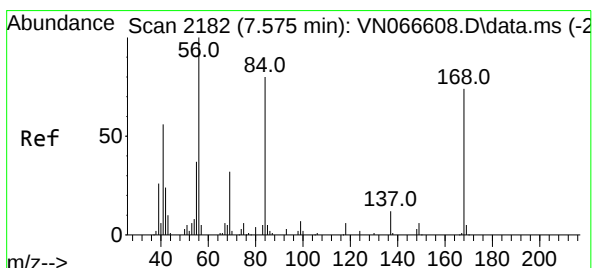
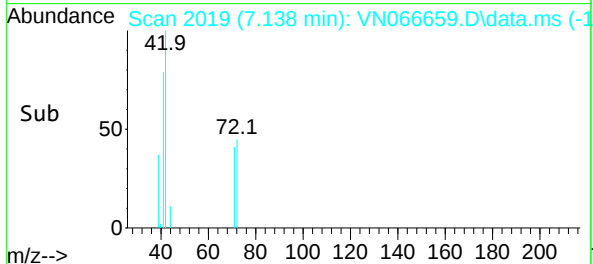
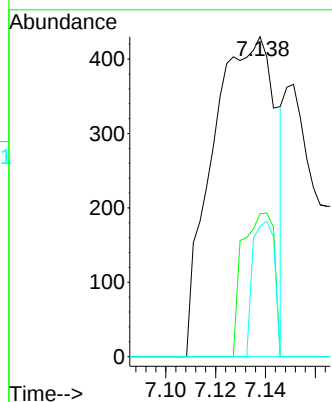
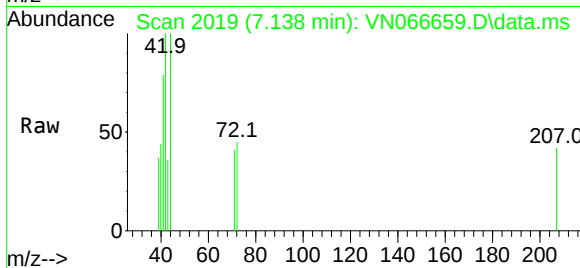
Delta R.T. 0.008 min

Lab File: VN066659.D

Acq: 19 Apr 2021 13:55

Tgt Ion:	42	Resp:	757
Ion Ratio	Lower	Upper	
42	100		
72	22.3	36.6	55.0#
71	14.4	34.3	51.5#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.93 ug/l

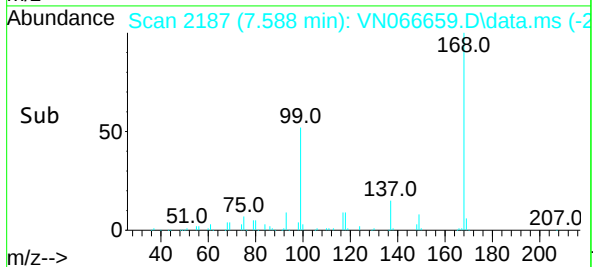
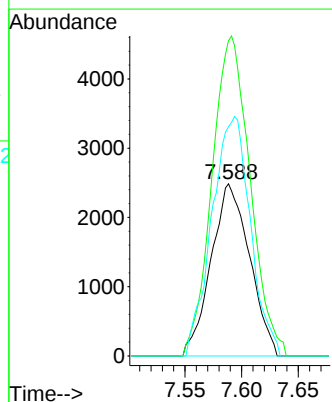
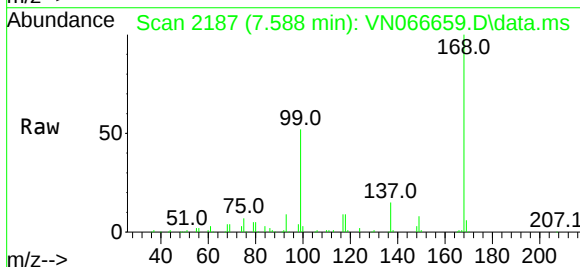
RT: 7.588 min Scan# 2187

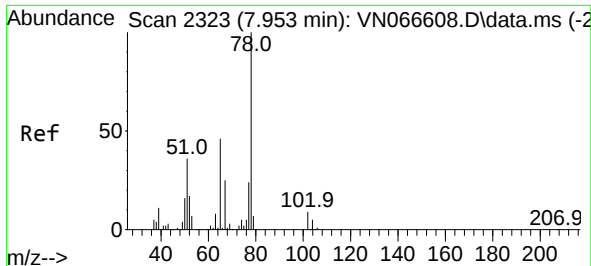
Delta R.T. 0.013 min

Lab File: VN066659.D

Acq: 19 Apr 2021 13:55

Tgt Ion:	56	Resp:	5861
Ion Ratio	Lower	Upper	
56	100		
69	183.1	26.6	39.8#
84	133.1	70.4	105.6#

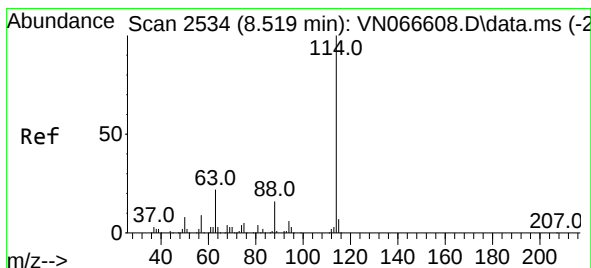
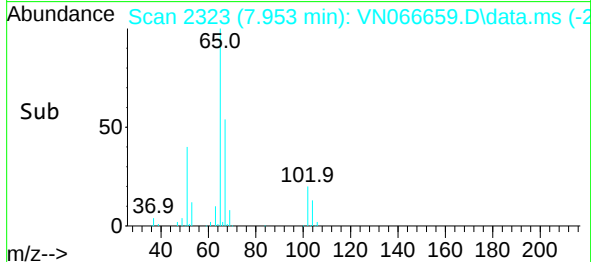
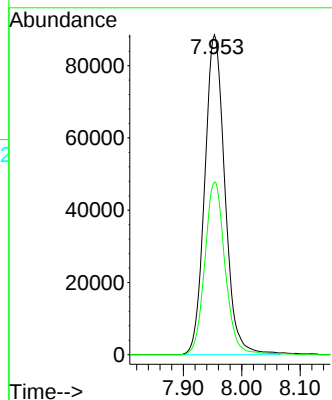
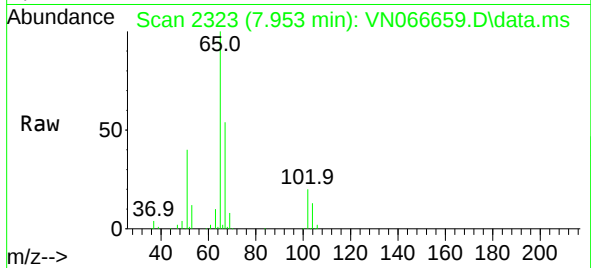




#33
 1,2-Dichloroethane-d4
 Concen: 48.33 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066659.D
 Acq: 19 Apr 2021 13:55

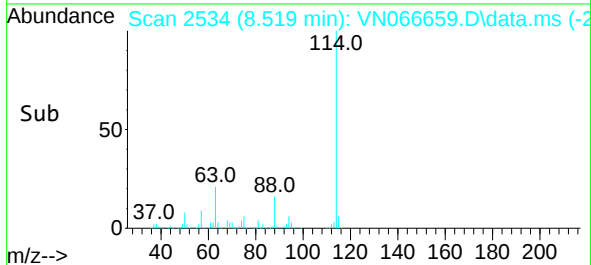
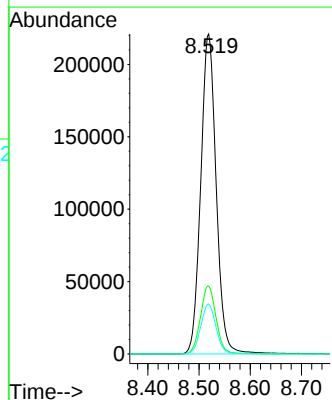
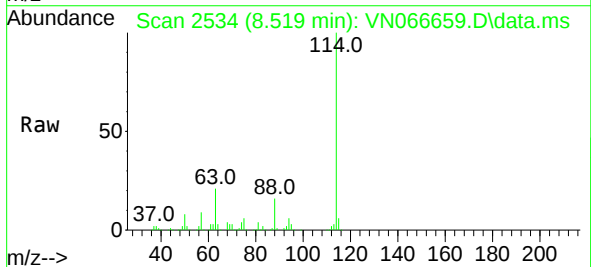
Instrument :
 MSVOA_N
 ClientSampled :

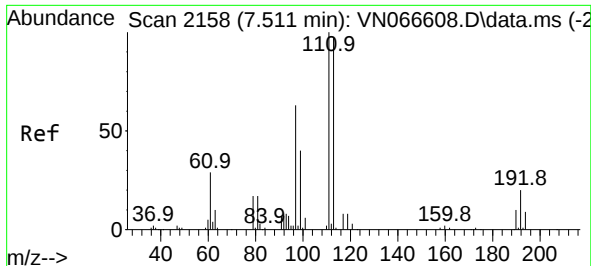
Tgt Ion: 65 Resp: 212728
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.000 min
 Lab File: VN066659.D
 Acq: 19 Apr 2021 13:55

Tgt Ion: 114 Resp: 463428
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 38.6
 88 15.6 0.0 30.6

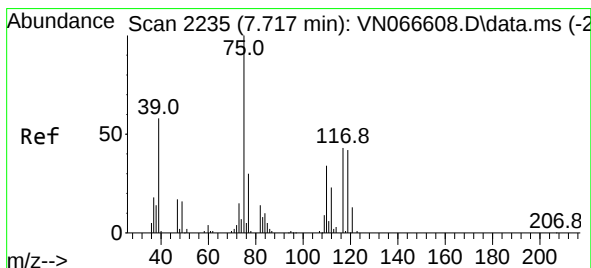
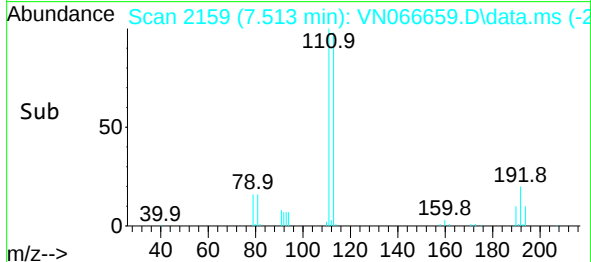
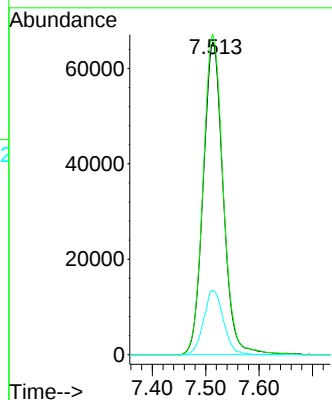
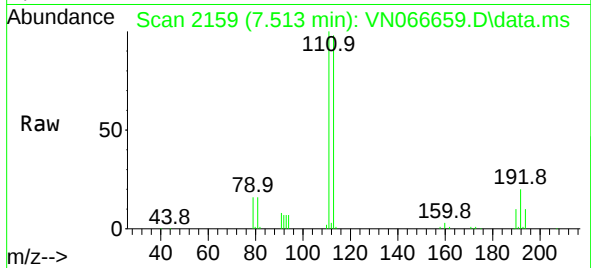




#35
Dibromofluoromethane
Concen: 52.76 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

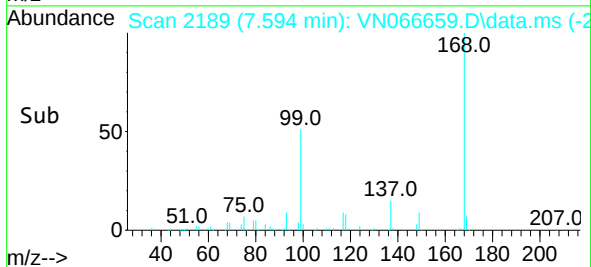
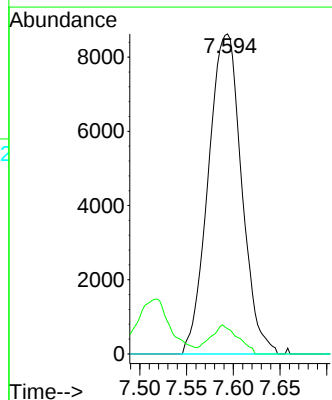
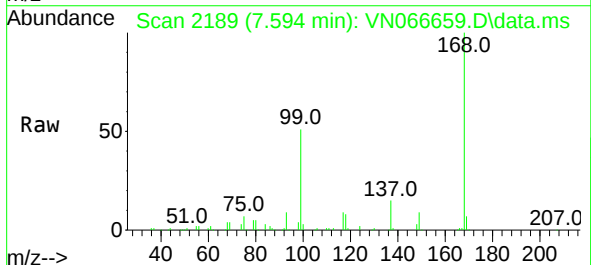
Instrument :
MSVOA_N
ClientSampled :

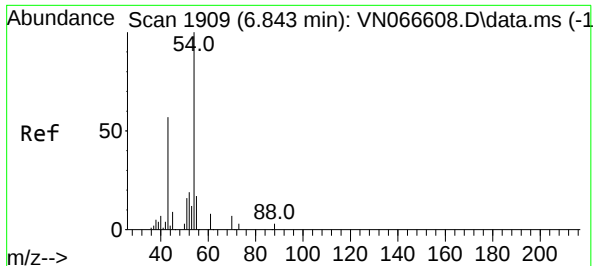
Tgt Ion:	113	Resp:	169559
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.2	123.2
192	20.5	15.4	23.0



#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion:	75	Resp:	21387
Ion Ratio	Lower	Upper	
75	100		
110	7.5	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.92 ug/l

RT: 6.760 min Scan# 1878

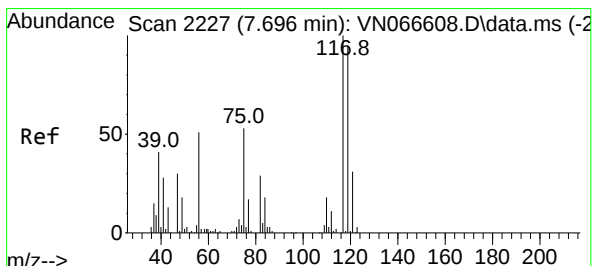
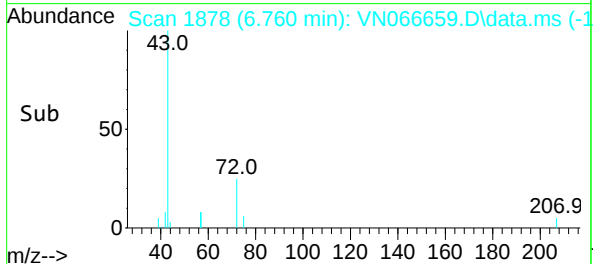
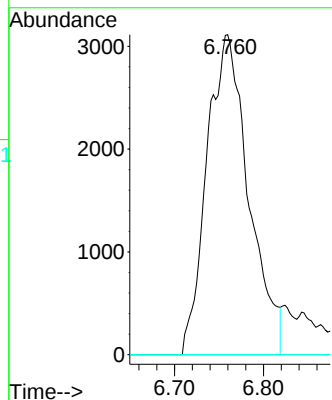
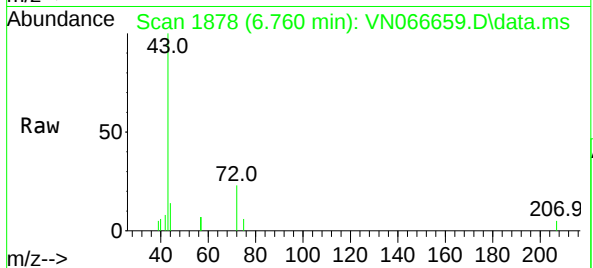
Delta R.T. -0.083 min

Lab File: VN066659.D

Acq: 19 Apr 2021 13:55

Tgt Ion:	43	Resp:	10172
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.94 ug/l

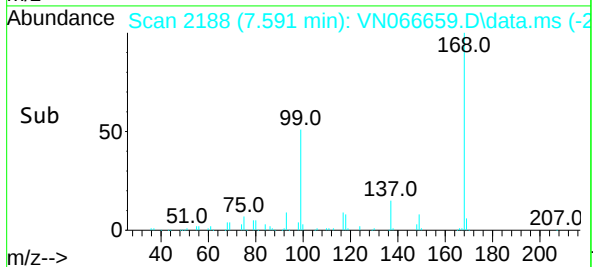
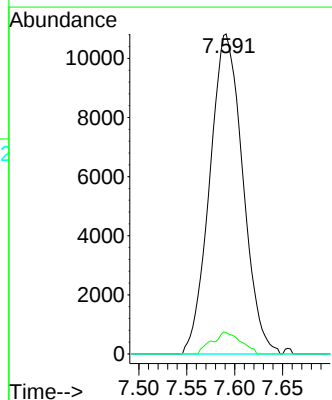
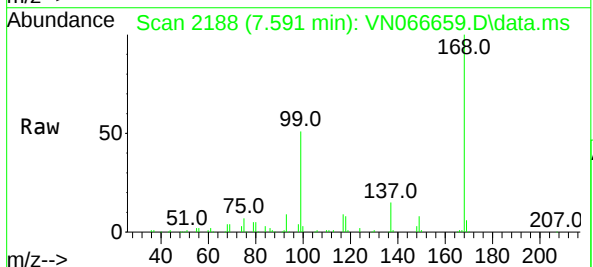
RT: 7.591 min Scan# 2188

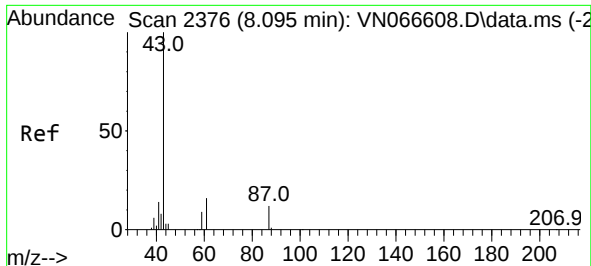
Delta R.T. -0.105 min

Lab File: VN066659.D

Acq: 19 Apr 2021 13:55

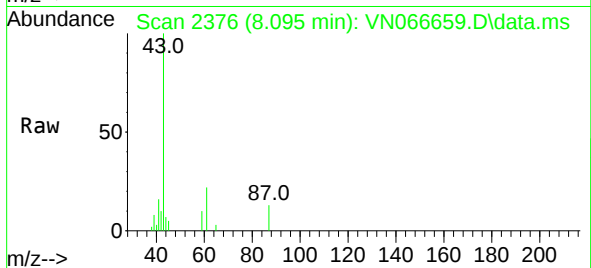
Tgt Ion:	117	Resp:	25973
Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.0	114.0#
121	0.0	24.5	36.7#



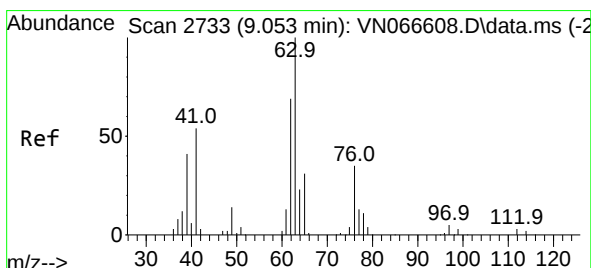
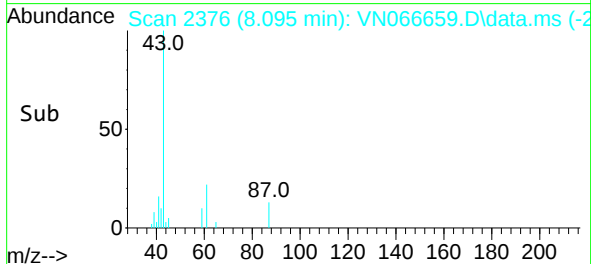
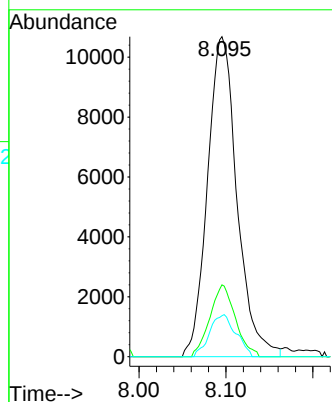


#43
Isopropyl Acetate
Concen: 2.85 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Instrument :
MSVOA_N
ClientSampled :

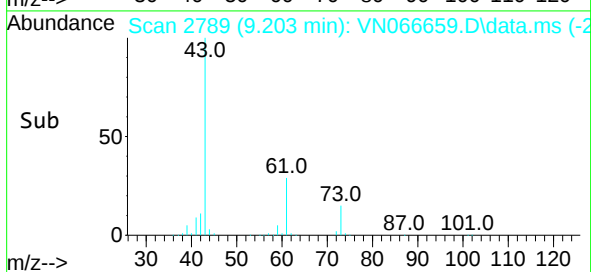
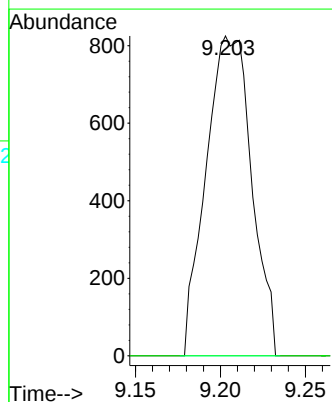
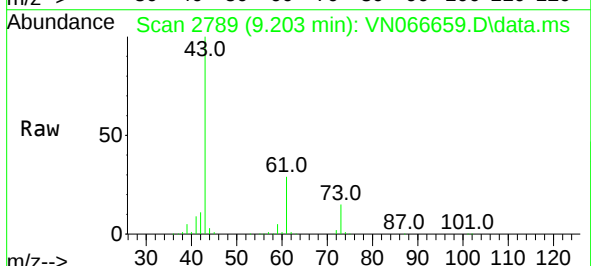


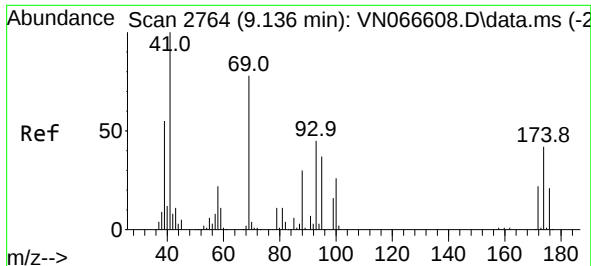
Tgt Ion: 43 Resp: 25214
Ion Ratio Lower Upper
43 100
61 19.4 22.5 33.7#
87 11.7 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.37 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 63 Resp: 1547
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

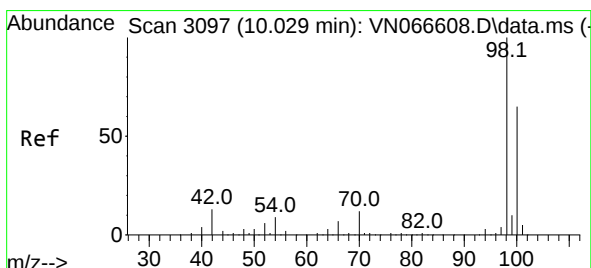
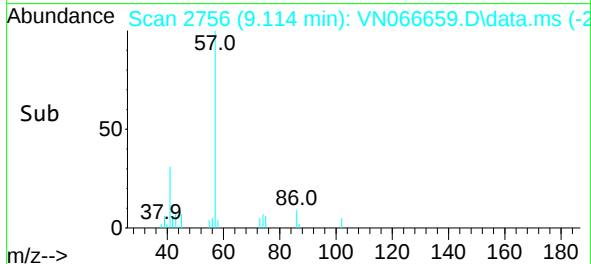
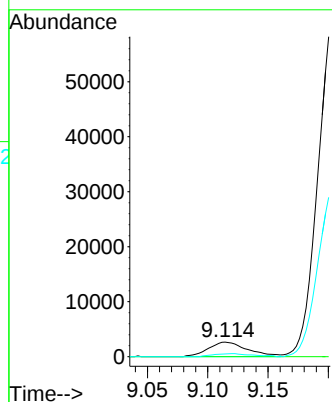
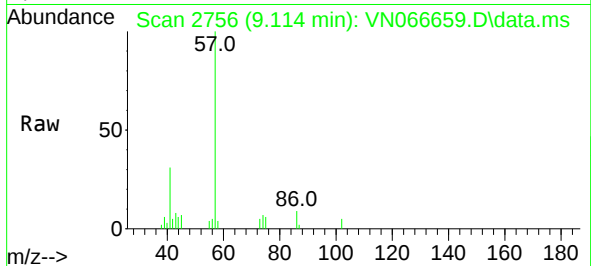




#48
Methyl methacrylate
Concen: 1.51 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

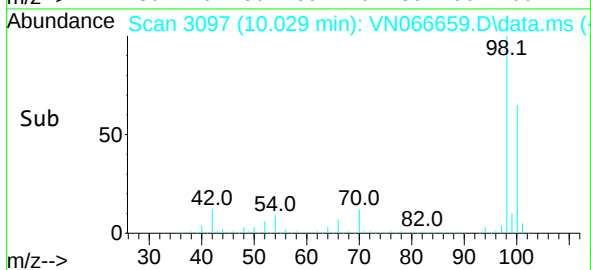
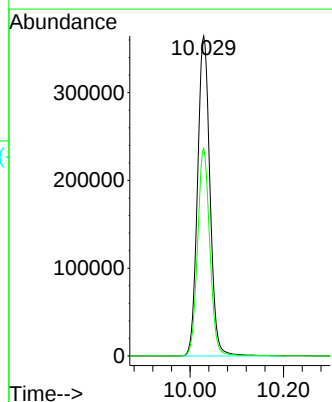
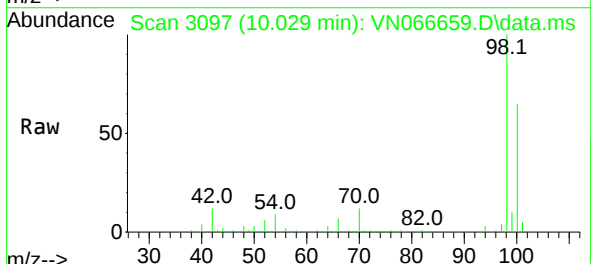
Instrument :
MSVOA_N
ClientSampled :

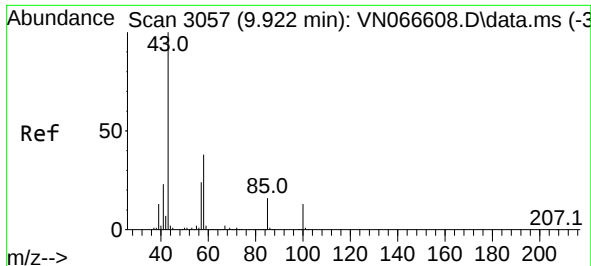
Tgt Ion: 41 Resp: 6002
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.33 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 98 Resp: 671769
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7

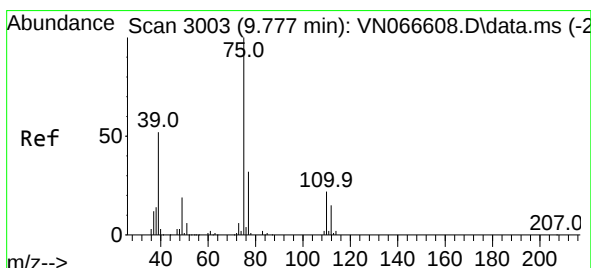
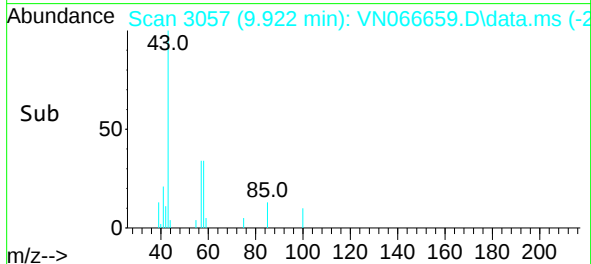
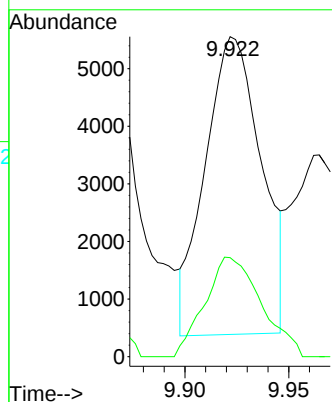
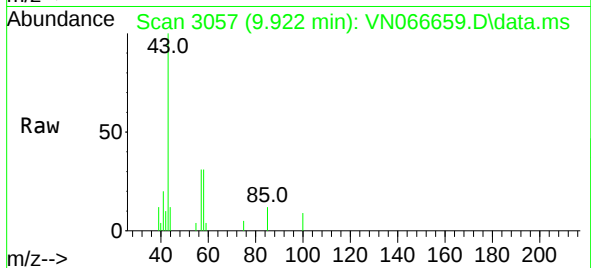




#51
4-Methyl-2-Pentanone
Concen: 1.87 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

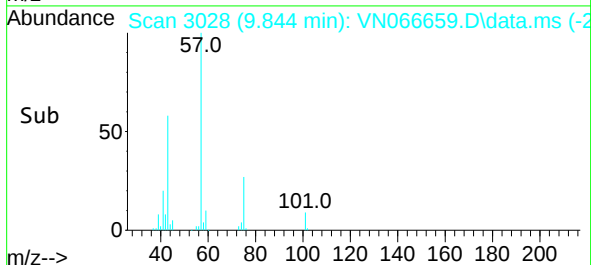
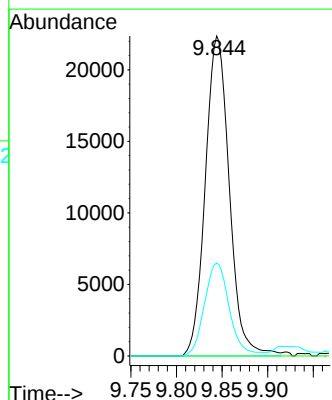
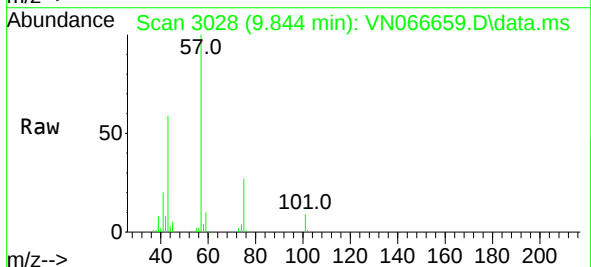
Instrument :
MSVOA_N
ClientSampleId :

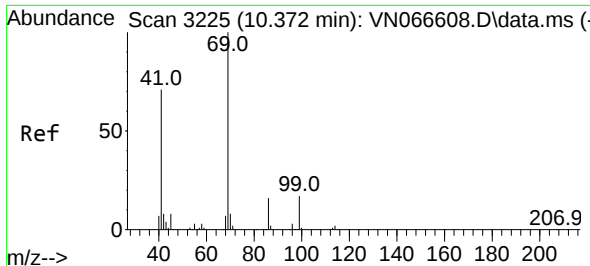
Tgt Ion: 43 Resp: 9723
Ion Ratio Lower Upper
43 100
58 33.5 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 6.71 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

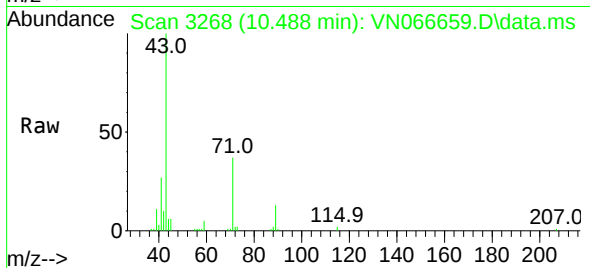
Tgt Ion: 75 Resp: 40941
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 29.1 36.2 54.4#



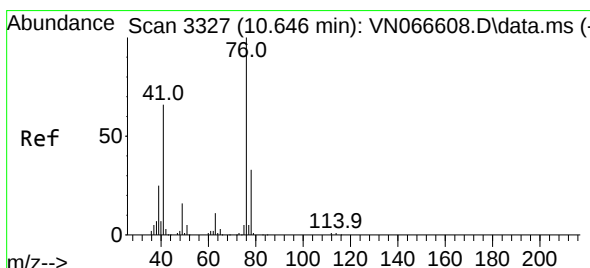
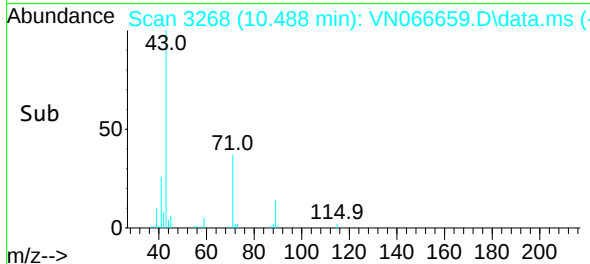
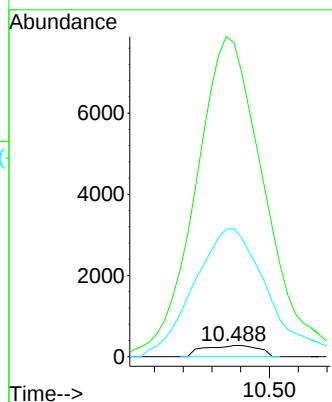


#56
Ethyl methacrylate
Concen: 0.96 ug/l
RT: 10.488 min Scan# 3268
Delta R.T. 0.116 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Instrument :
MSVOA_N
ClientSampled :

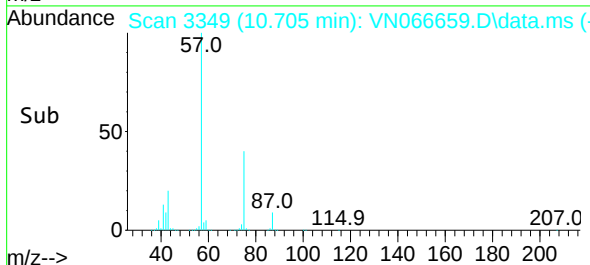
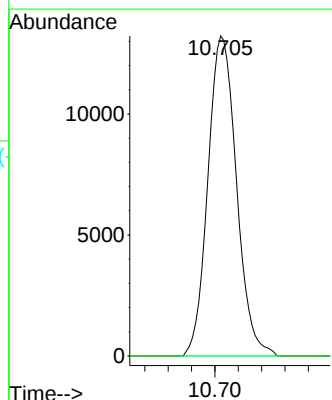
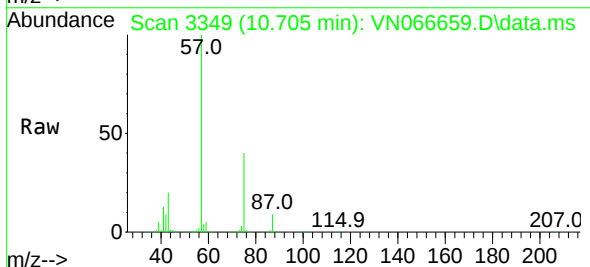


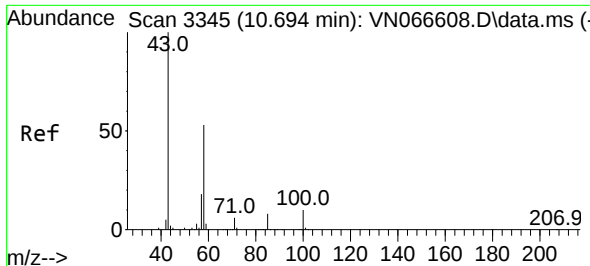
Tgt Ion: 69 Resp: 366
Ion Ratio Lower Upper
69 100
41 3573.5 49.6 74.4#
39 1545.9 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 3.68 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 76 Resp: 22487
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

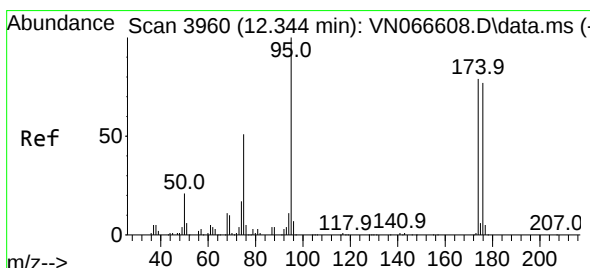
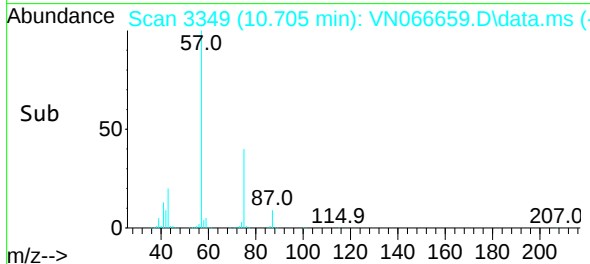
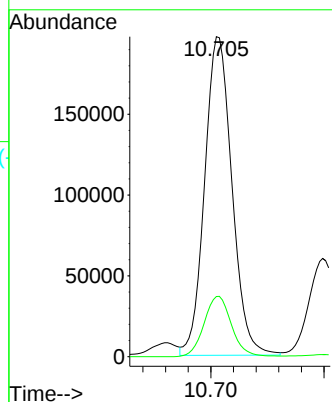
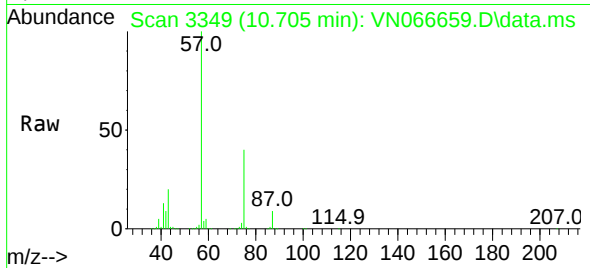




#59
2-Hexanone
Concen: 92.16 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

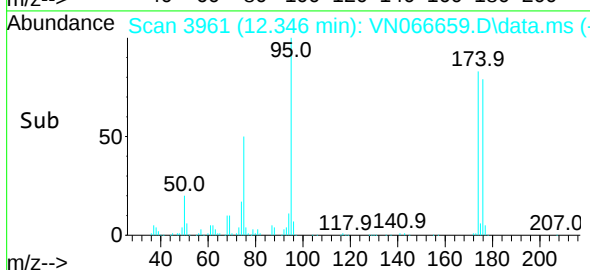
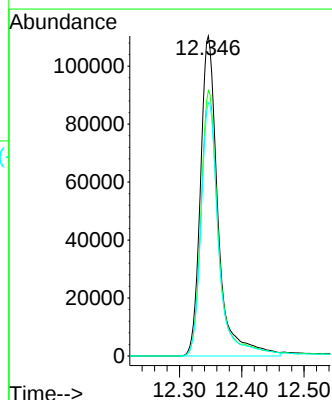
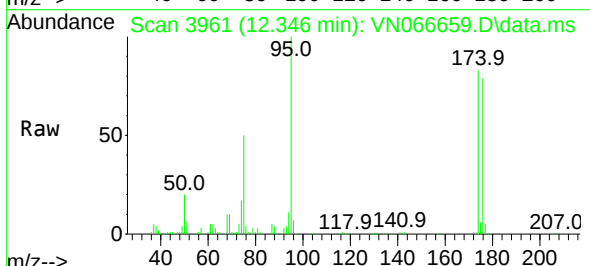
Instrument :
MSVOA_N
ClientSampled :

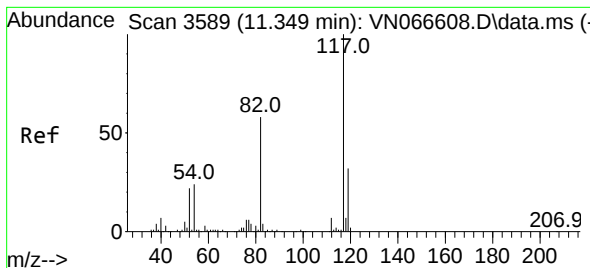
Tgt Ion: 43 Resp: 330218
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.63 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 95 Resp: 215390
Ion Ratio Lower Upper
95 100
174 84.2 0.0 169.0
176 80.1 0.0 162.4

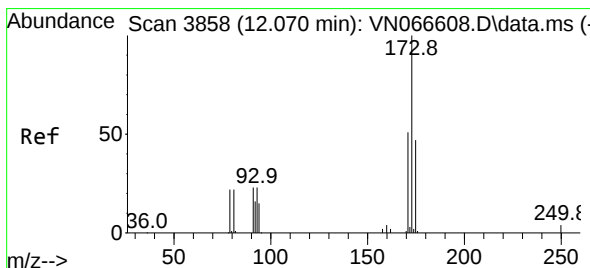
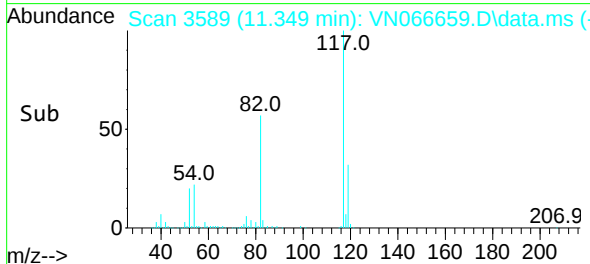
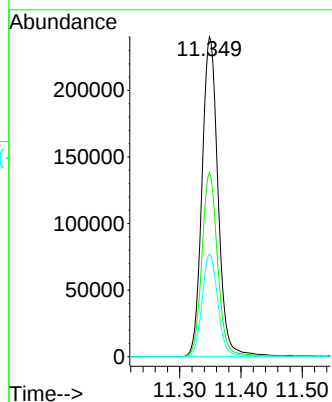
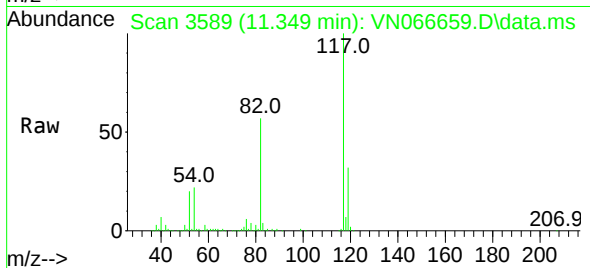




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

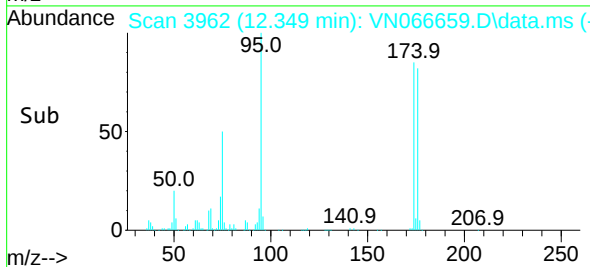
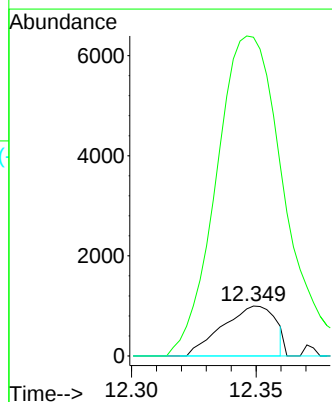
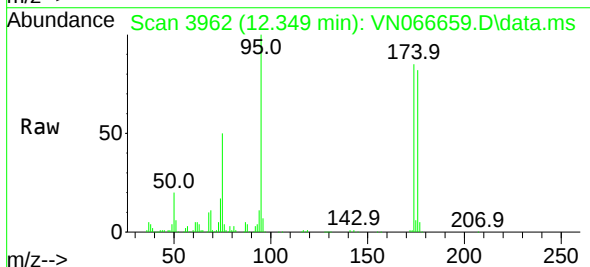
Instrument :
MSVOA_N
ClientSampleId :

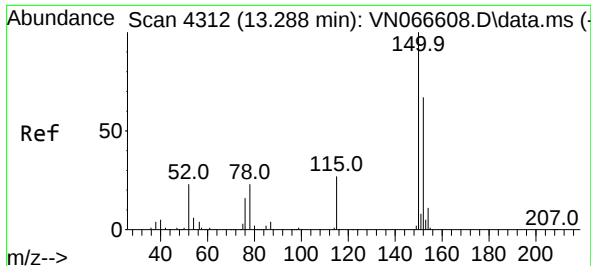
Tgt Ion:117 Resp: 437211
Ion Ratio Lower Upper
117 100
82 57.5 43.7 65.5
119 32.1 26.1 39.1



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.279 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion:173 Resp: 1481
Ion Ratio Lower Upper
173 100
175 691.4 23.8 71.2#
254 0.0 0.0 0.0

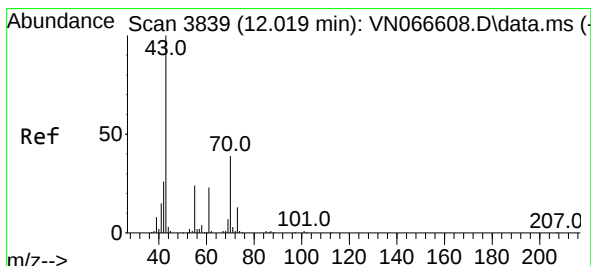
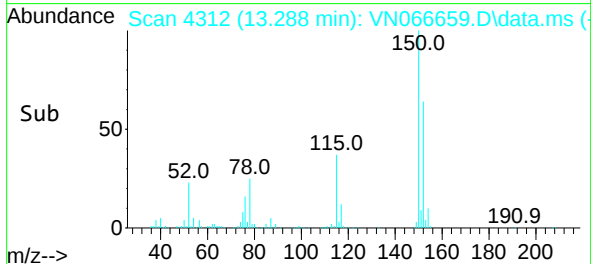
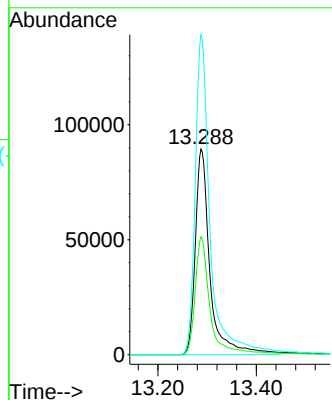
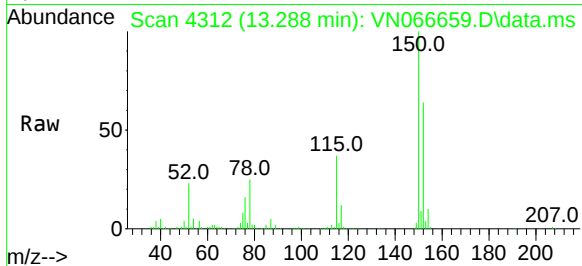




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

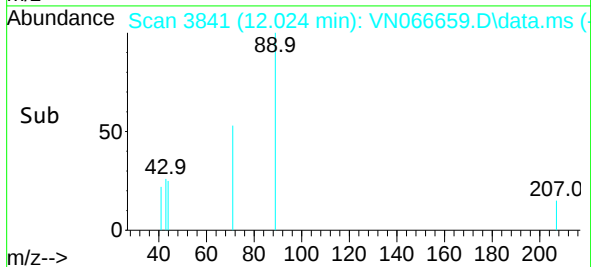
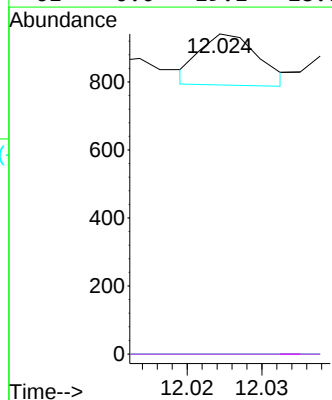
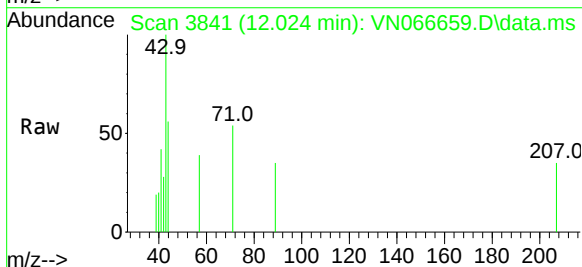
Instrument :
MSVOA_N
ClientSampled :

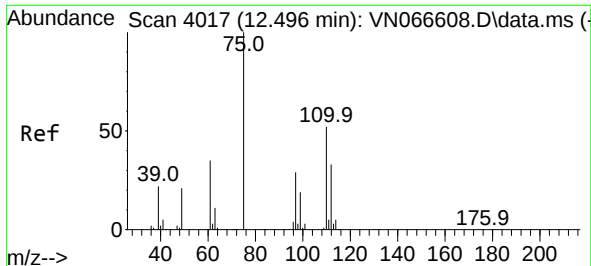
Tgt Ion:152 Resp: 186121
Ion Ratio Lower Upper
152 100
115 56.6 28.5 85.6
150 157.9 0.0 347.6



#74
N-ethyl acetate
Concen: 9.74 ug/l
RT: 12.024 min Scan# 3841
Delta R.T. 0.005 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#

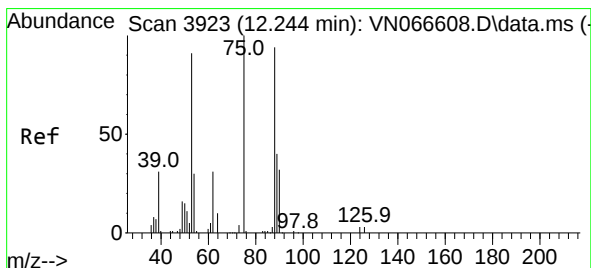
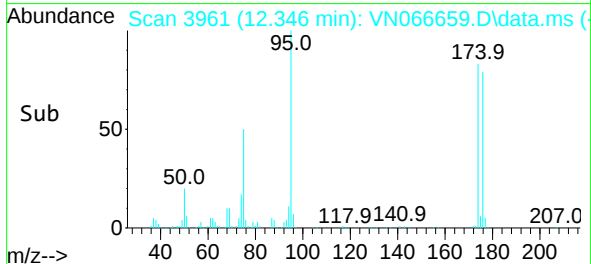
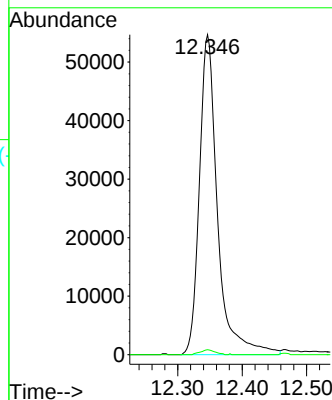
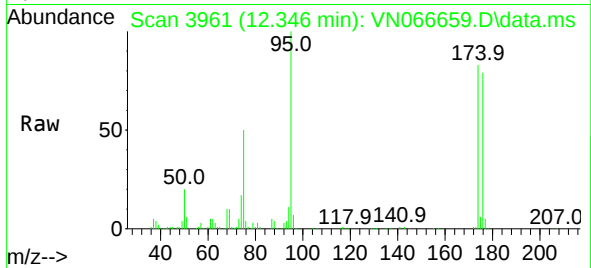




#76
1,2,3-Trichloropropane
Concen: 24.56 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

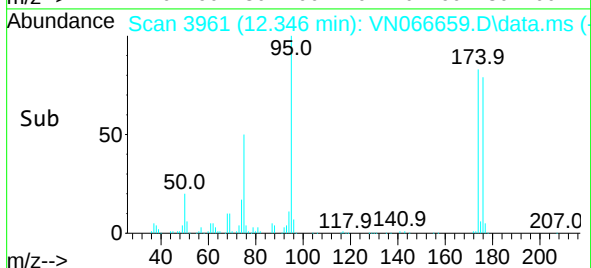
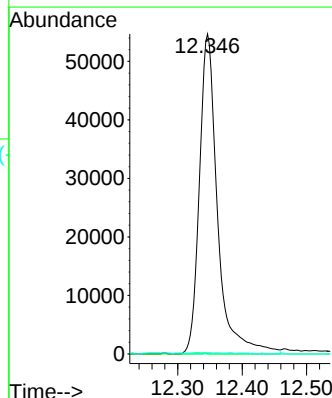
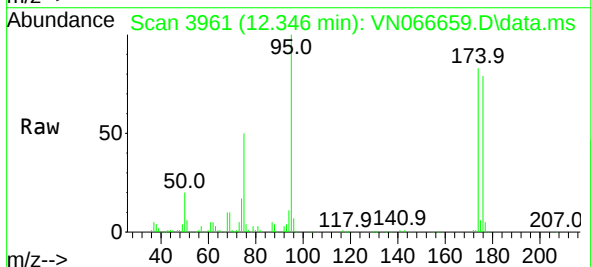
Instrument :
MSVOA_N
ClientSampleId :

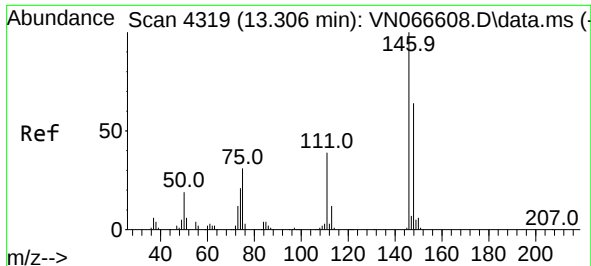
Tgt Ion: 75 Resp: 106898
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.88 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion: 75 Resp: 106898
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

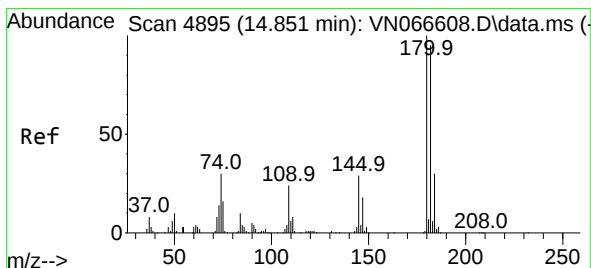
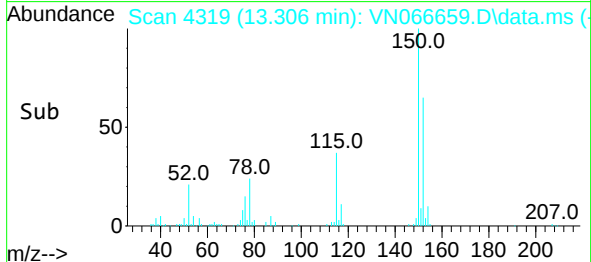
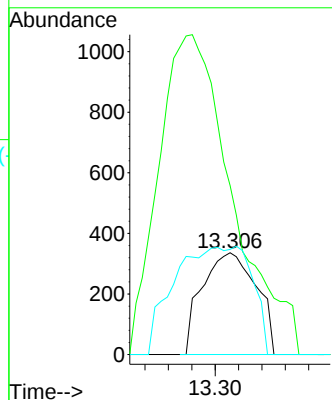
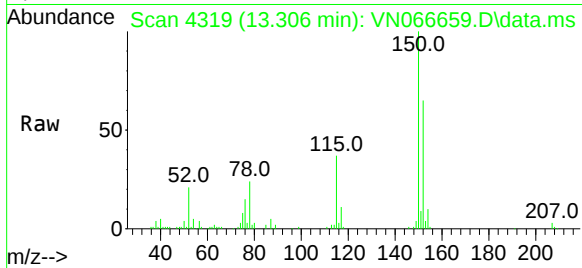




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.306 min Scan# 4319
Delta R.T. 0.000 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

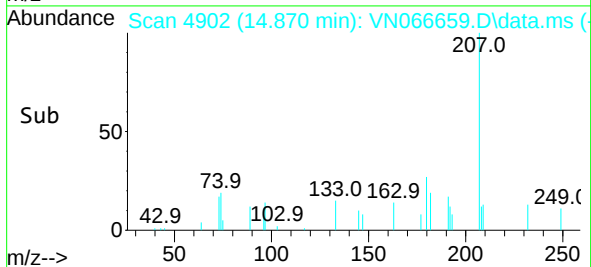
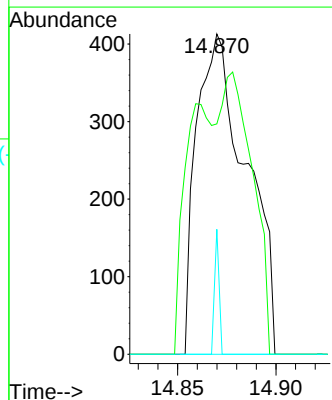
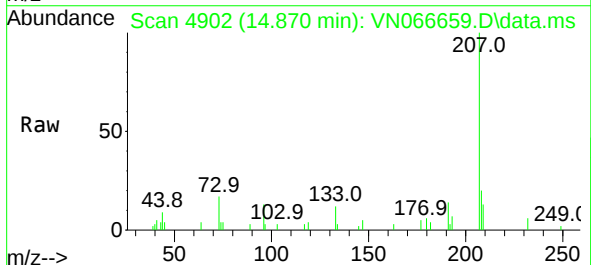
Instrument :
MSVOA_N
ClientSampleId :

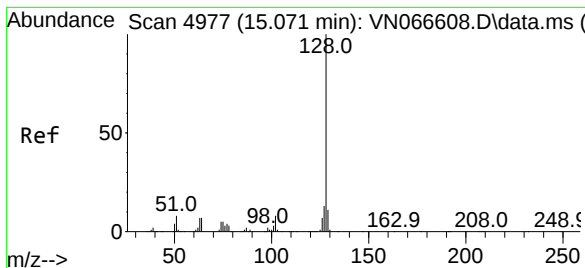
Tgt Ion:146 Resp: 541
Ion Ratio Lower Upper
146 100
111 427.2 19.0 57.0#
148 100.9 31.8 95.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.21 ug/l
RT: 14.870 min Scan# 4902
Delta R.T. 0.019 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion:180 Resp: 725
Ion Ratio Lower Upper
180 100
182 43.3 47.3 142.0#
145 3.6 15.6 46.8#

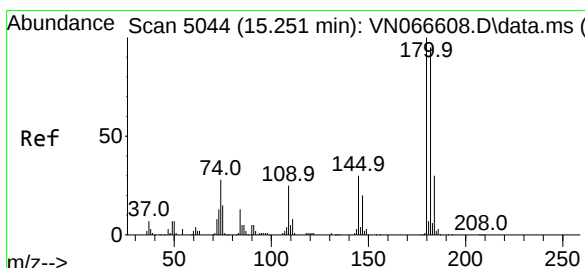
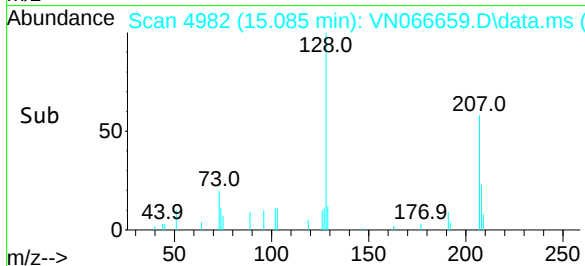
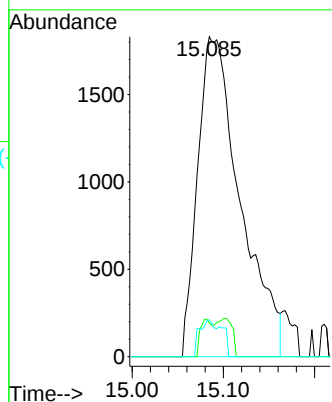
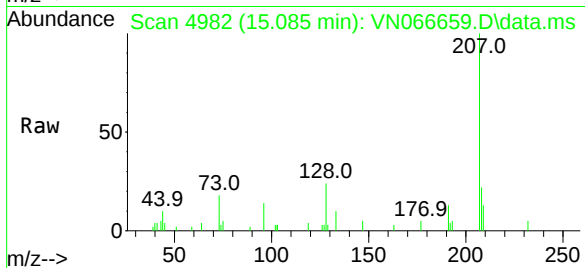




#95
Naphthalene
Concen: 0.63 ug/l
RT: 15.085 min Scan# 4982
Delta R.T. 0.014 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 5946
Ion Ratio Lower Upper
128 100
127 3.1 10.2 15.2#
129 4.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.35 ug/l
RT: 15.256 min Scan# 5046
Delta R.T. 0.005 min
Lab File: VN066659.D
Acq: 19 Apr 2021 13:55

Tgt Ion:180 Resp: 1244
Ion Ratio Lower Upper
180 100
182 44.6 47.4 142.3#
145 16.7 16.5 49.5

