

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030221\
 Data File : VN066106.D
 Acq On : 2 Mar 2021 18:15
 Operator : JC/MD
 Sample : M1507-08 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 03:54:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 02 14:05:08 2021
 Response via : Initial Calibration

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

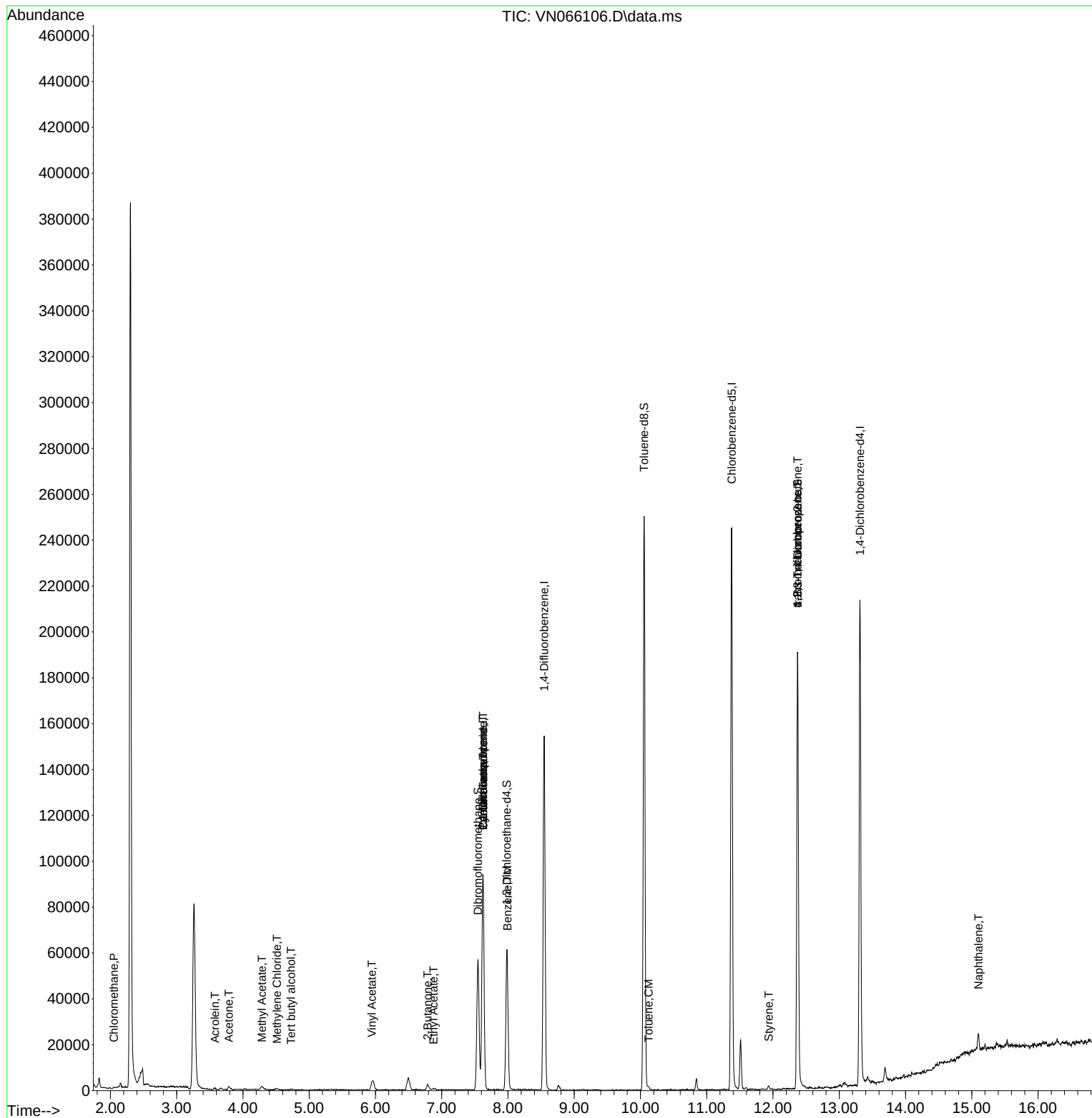
Internal Standards						
1) Pentafluorobenzene	7.624	168	74548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	141105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	149406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	60896	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	55841	49.22	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.44%		
35) Dibromofluoromethane	7.547	113	43064	48.19	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.38%		
50) Toluene-d8	10.055	98	178321	51.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.48%		
62) 4-Bromofluorobenzene	12.370	95	76100	56.77	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.54%		
Target Compounds						Qvalue
3) Chloromethane	2.052	50	713	0.83	ug/l #	42
11) Tert butyl alcohol	4.727	59	199	1.27	ug/l #	73
13) Acrolein	3.576	56	542	7.84	ug/l	90
16) Acetone	3.785	43	2092	6.17	ug/l	92
18) Methyl Acetate	4.287	43	2649	3.66	ug/l #	67
20) Methylene Chloride	4.515	84	393	0.44	ug/l #	37
23) Vinyl Acetate	5.946	43	741	0.37	ug/l #	71
25) 2-Butanone	6.788	43	4381	9.74	ug/l	99
31) Cyclohexane	7.624	56	1440	1.06	ug/l #	4
36) 1,1-Dichloropropene	7.621	75	5634	4.25	ug/l #	47
37) Ethyl Acetate	6.878	43	582	0.56	ug/l #	68
38) Carbon Tetrachloride	7.624	117	7860	5.15	ug/l #	16
40) Benzene	7.994	78	1153	0.29	ug/l #	80
52) Toluene	10.122	92	563	0.22	ug/l	88
70) Styrene	11.936	104	1037	0.31	ug/l #	83
76) 1,2,3-Trichloropropane	12.370	75	39338	29.26	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.370	75	39338	86.08	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.232	75	129	Below Cal	#	1
95) Naphthalene	15.100	128	7211	2.12	ug/l	97

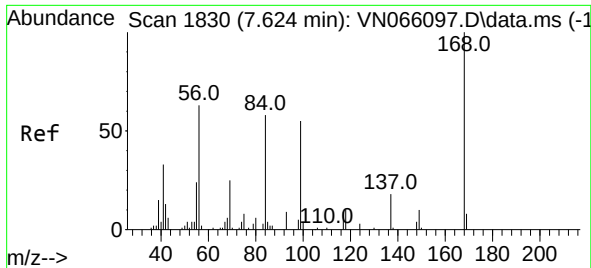
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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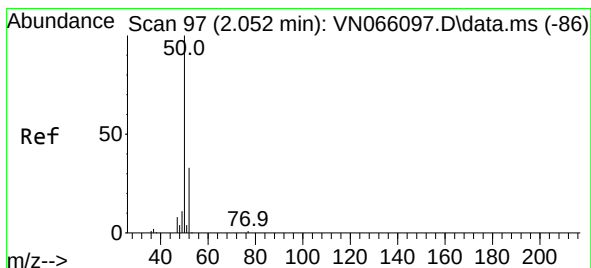
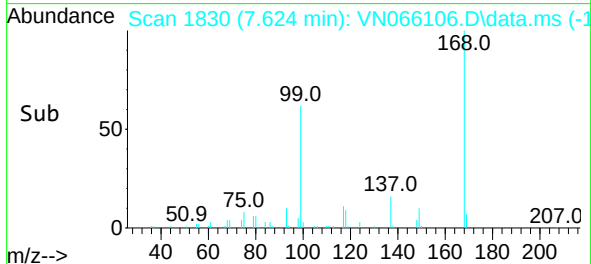
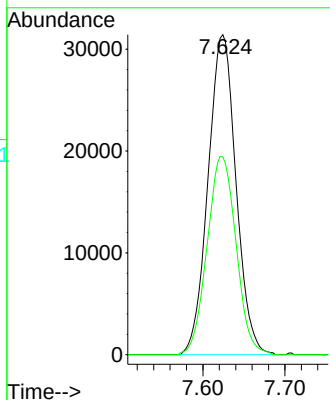
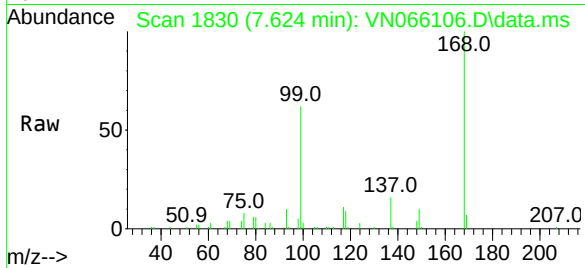




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

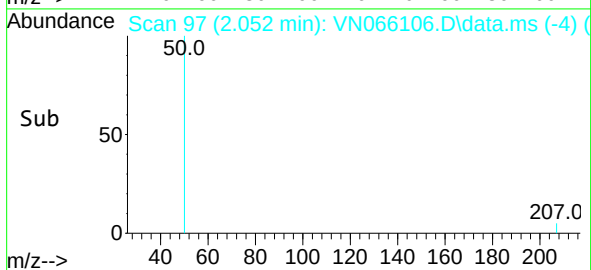
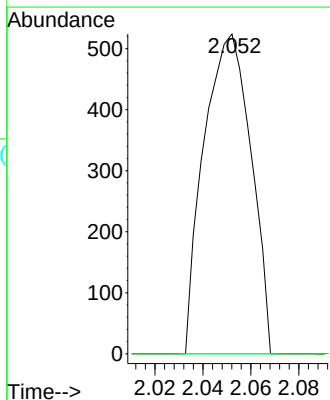
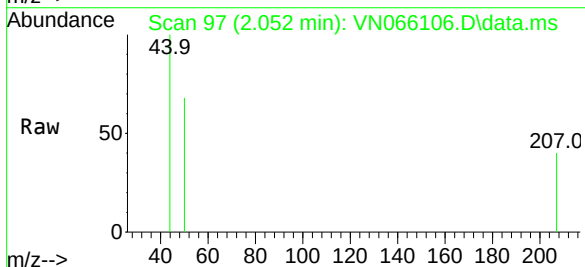
Instrument :
MSVOA_N
ClientSampleId :

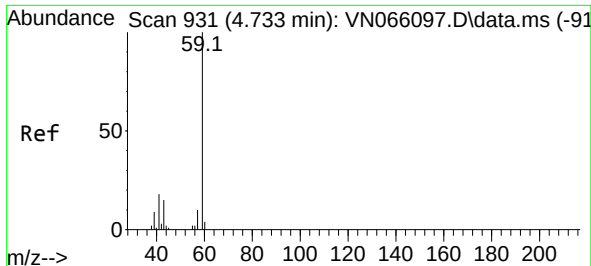
Tgt Ion:168 Resp: 74548
Ion Ratio Lower Upper
168 100
99 61.8 42.6 63.8



#3
Chloromethane
Concen: 0.83 ug/l
RT: 2.052 min Scan# 97
Delta R.T. 0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion: 50 Resp: 713
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

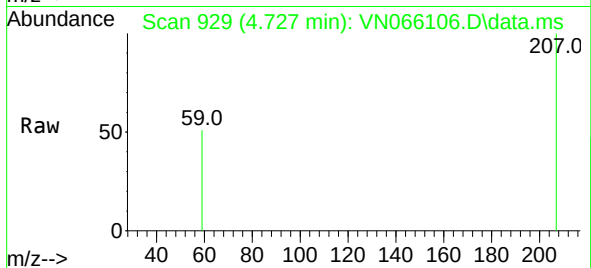




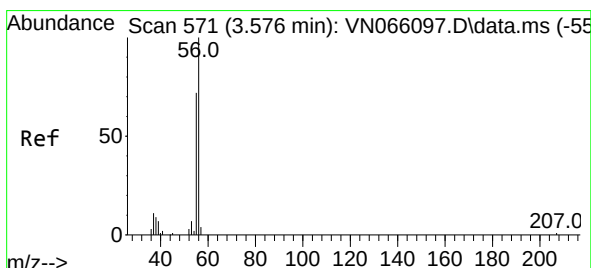
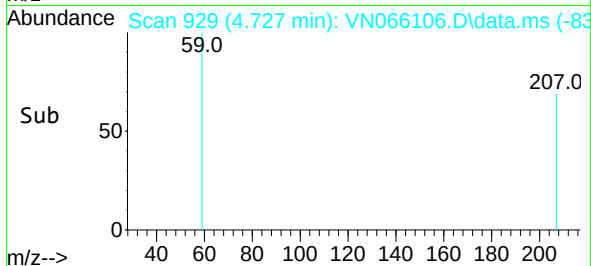
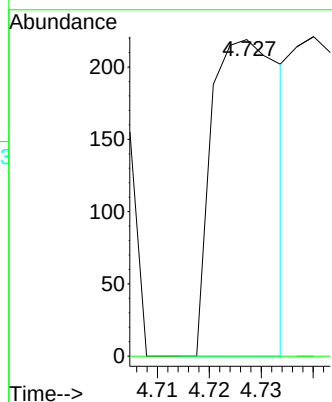
#11

Tert butyl alcohol
Concen: 1.27 ug/l
RT: 4.727 min Scan# 929
Delta R.T. -0.006 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Instrument :
MSVOA_N
ClientSampled :



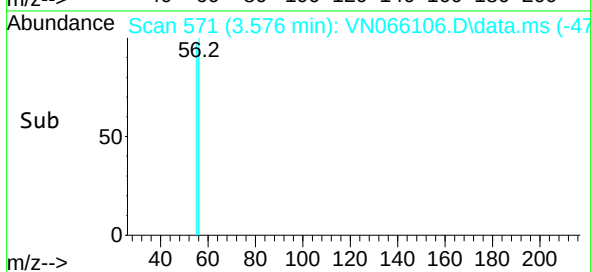
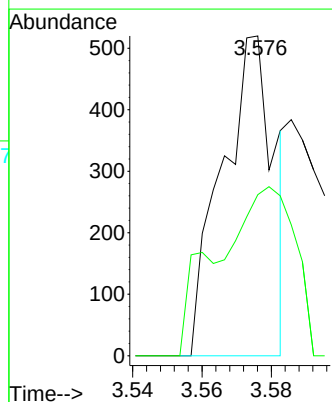
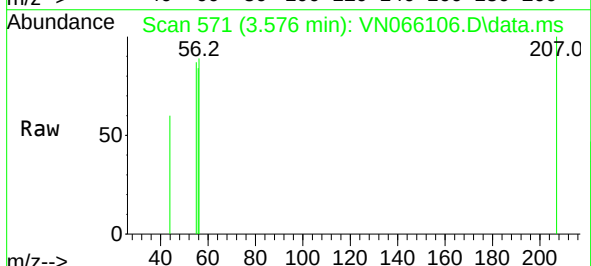
Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

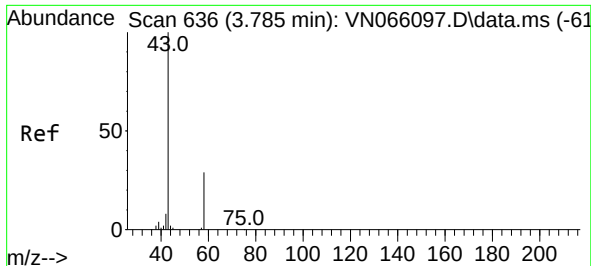


#13

Acrolein
Concen: 7.84 ug/l
RT: 3.576 min Scan# 571
Delta R.T. 0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion: 56 Resp: 542
Ion Ratio Lower Upper
56 100
55 61.6 56.0 84.0

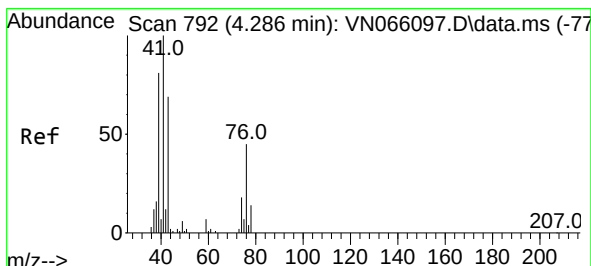
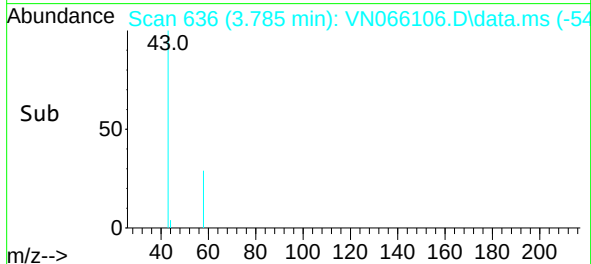
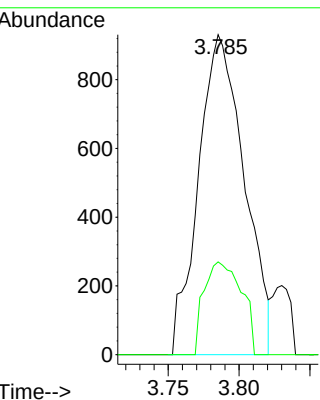
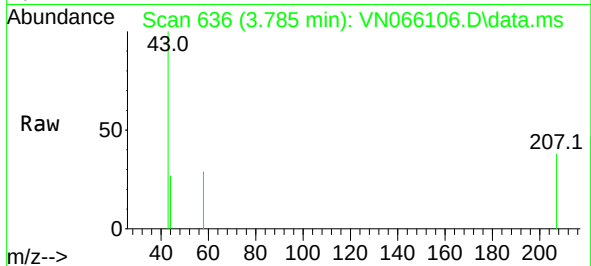




#16
Acetone
Concen: 6.17 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

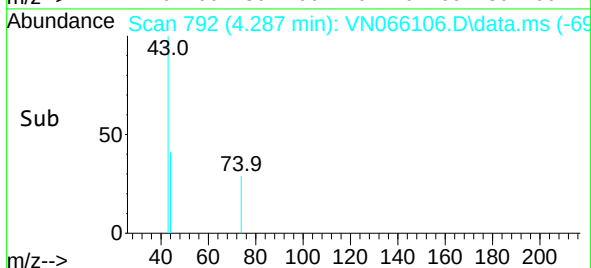
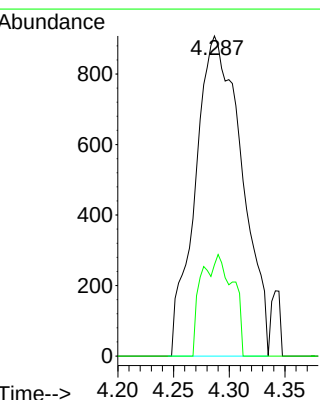
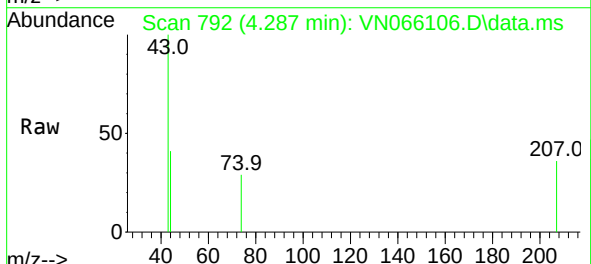
Instrument :
MSVOA_N
ClientSampled :

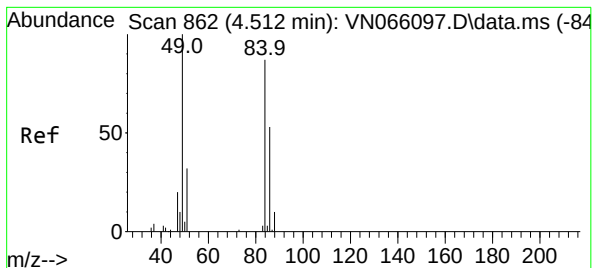
Tgt Ion: 43 Resp: 2092
Ion Ratio Lower Upper
43 100
58 29.0 27.0 40.6



#18
Methyl Acetate
Concen: 3.66 ug/l
RT: 4.287 min Scan# 792
Delta R.T. 0.001 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion: 43 Resp: 2649
Ion Ratio Lower Upper
43 100
74 8.2 19.5 29.3#





#20

Methylene Chloride

Concen: 0.44 ug/l

RT: 4.515 min Scan# 863

Delta R.T. 0.003 min

Lab File: VN066106.D

Acq: 2 Mar 2021 18:15

Tgt Ion: 84 Resp: 393

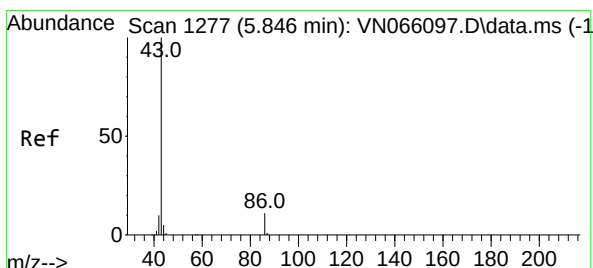
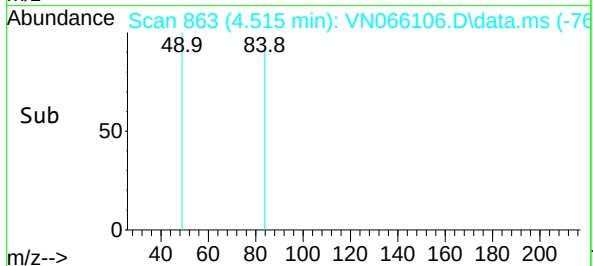
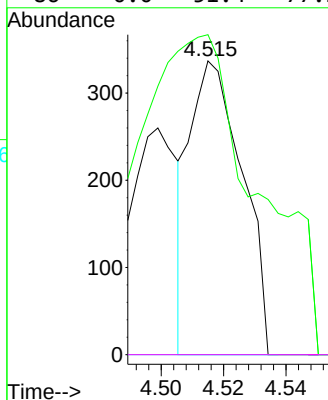
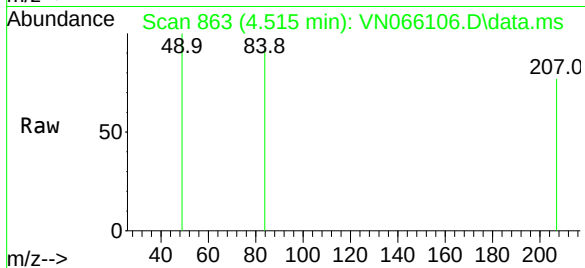
Ion Ratio Lower Upper

84 100

49 60.8 94.6 141.8#

51 0.0 29.9 44.9#

86 0.0 51.4 77.2#



#23

Vinyl Acetate

Concen: 0.37 ug/l

RT: 5.946 min Scan# 1308

Delta R.T. 0.100 min

Lab File: VN066106.D

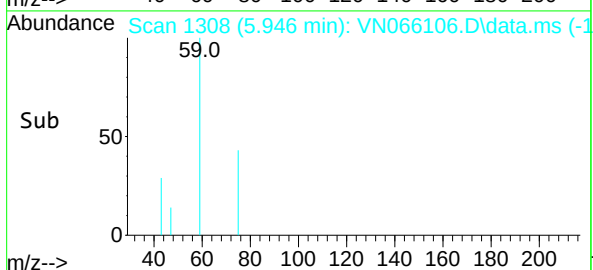
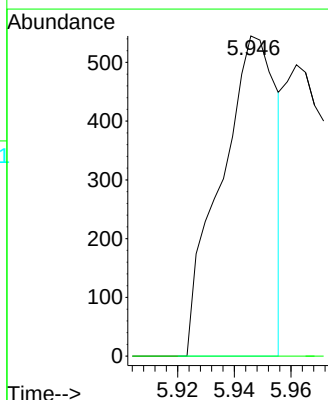
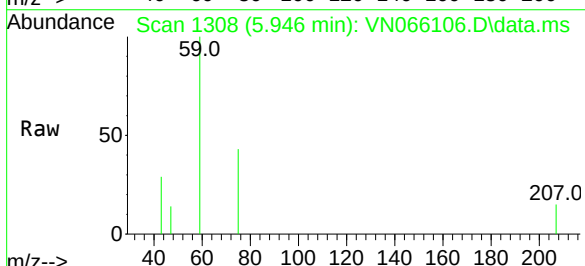
Acq: 2 Mar 2021 18:15

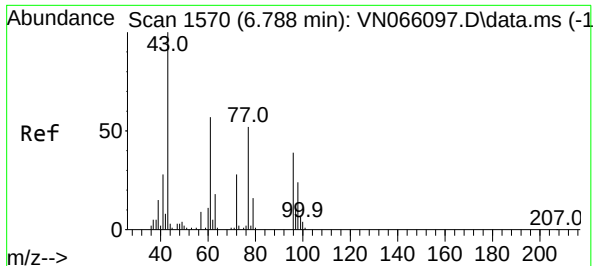
Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

43 100

86 0.0 8.6 13.0#

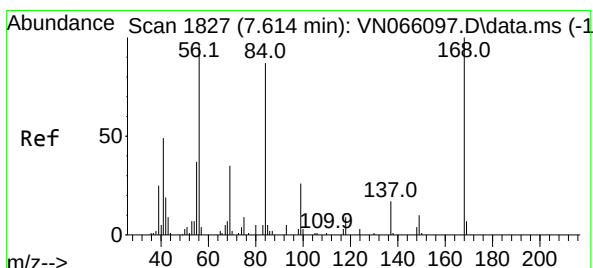
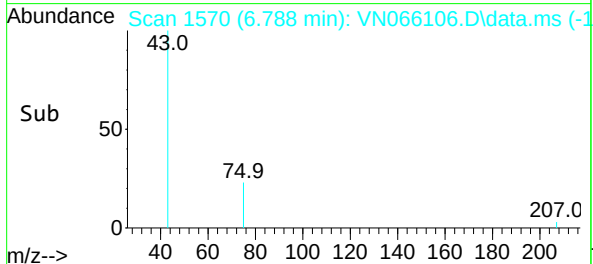
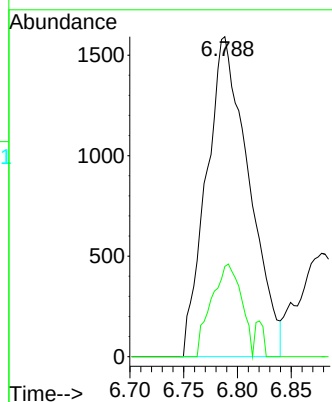
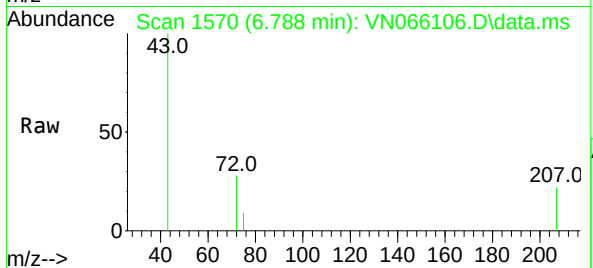




#25
2-Butanone
Concen: 9.74 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

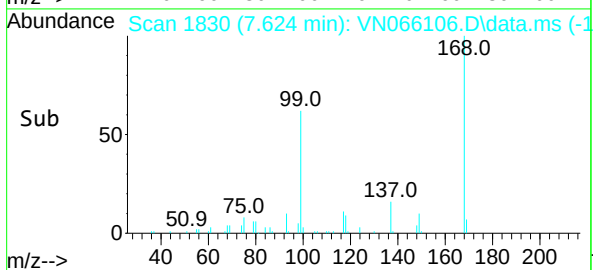
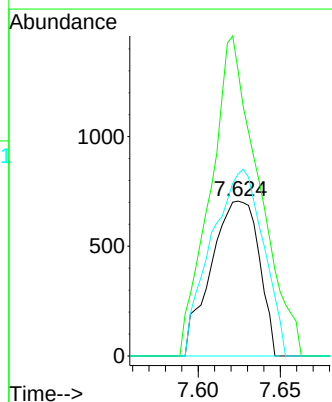
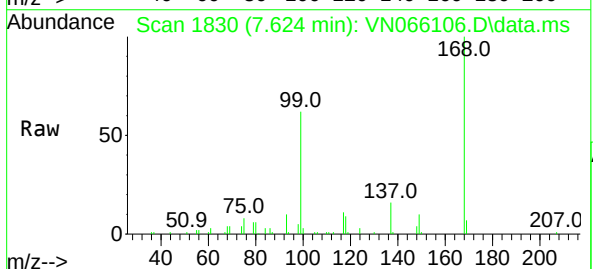
Instrument :
MSVOA_N
ClientSampled :

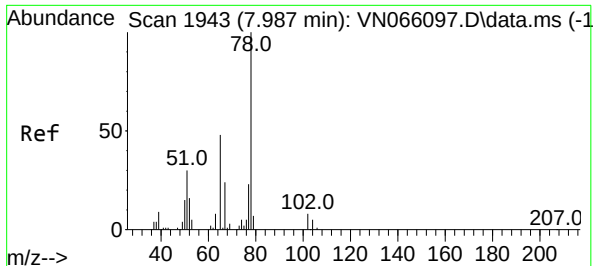
Tgt Ion: 43 Resp: 4381
Ion Ratio Lower Upper
43 100
72 28.2 23.1 34.7



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.010 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion: 56 Resp: 1440
Ion Ratio Lower Upper
56 100
69 184.7 26.6 39.8#
84 117.4 70.4 105.6#

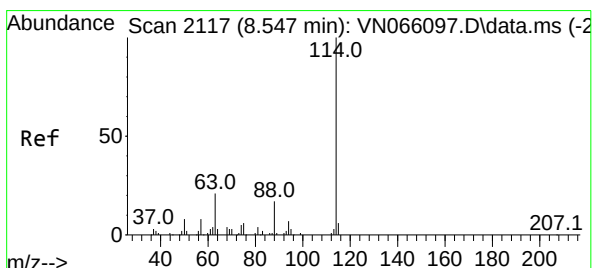
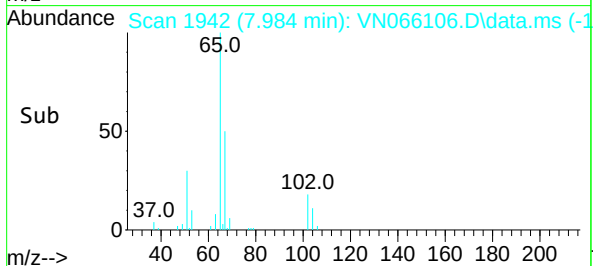
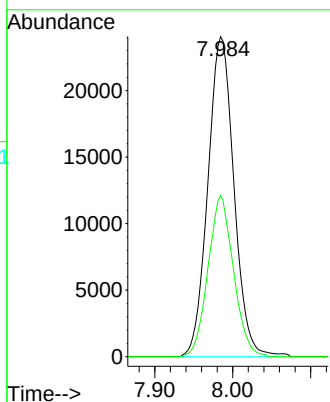
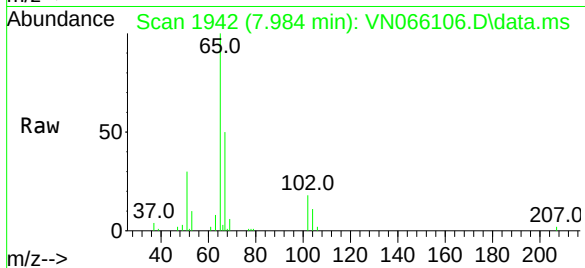




#33
1,2-Dichloroethane-d4
Concen: 49.22 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

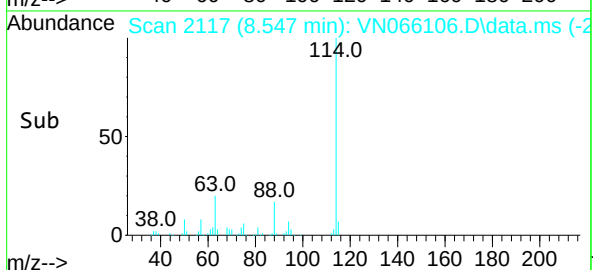
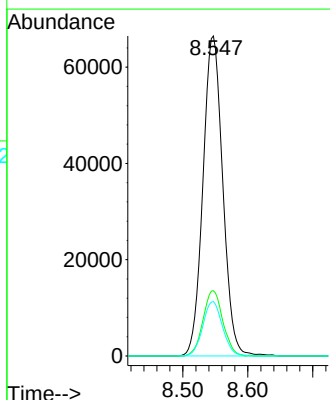
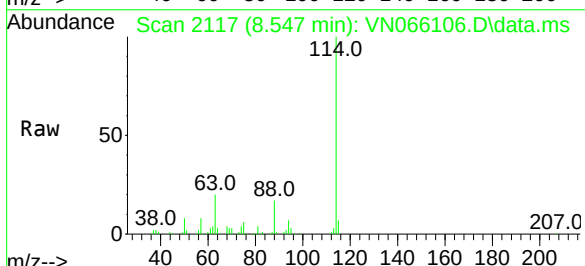
Instrument :
MSVOA_N
ClientSampled :

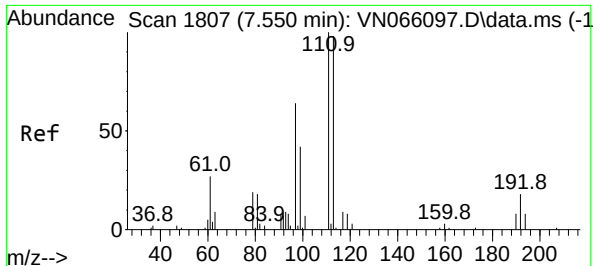
Tgt Ion: 65 Resp: 55841
Ion Ratio Lower Upper
65 100
67 49.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion: 114 Resp: 141105
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.6
88 17.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.19 ug/l

RT: 7.547 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VN066106.D

Acq: 2 Mar 2021 18:15

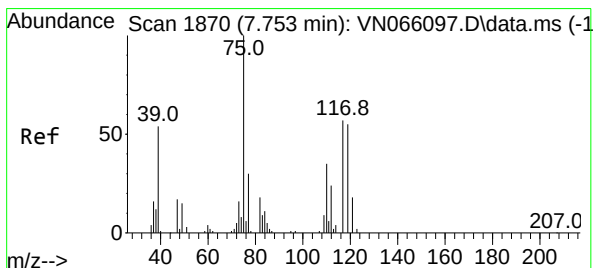
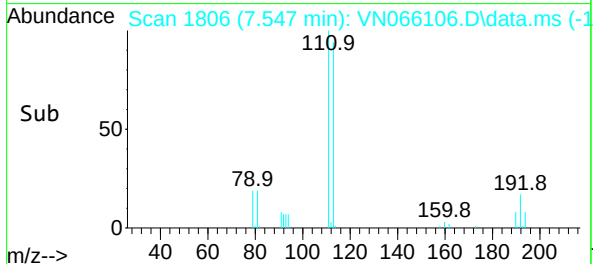
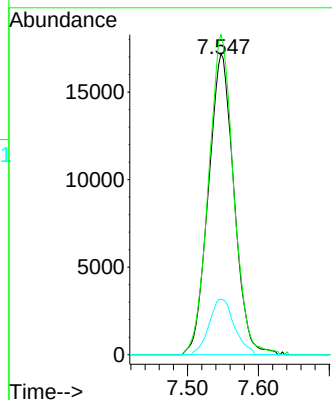
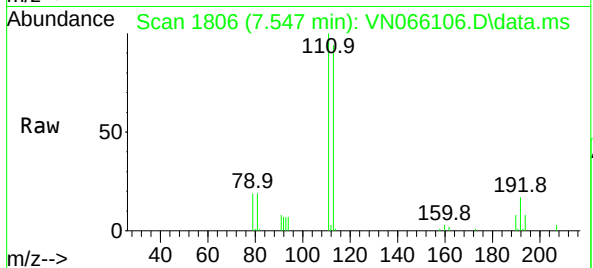
Tgt Ion:113 Resp: 43064

Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.2

192 18.2 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.25 ug/l

RT: 7.621 min Scan# 1829

Delta R.T. -0.132 min

Lab File: VN066106.D

Acq: 2 Mar 2021 18:15

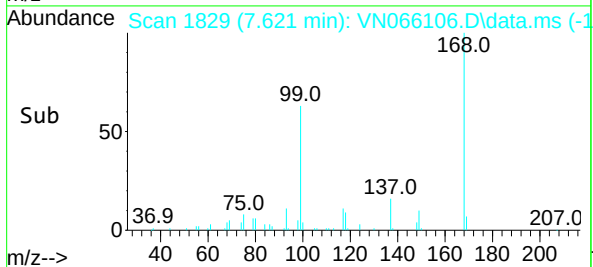
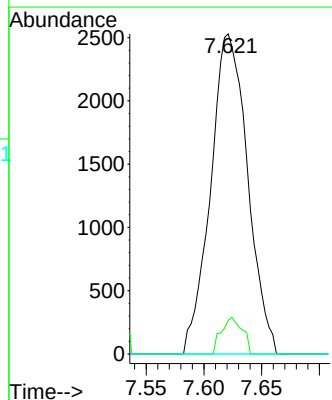
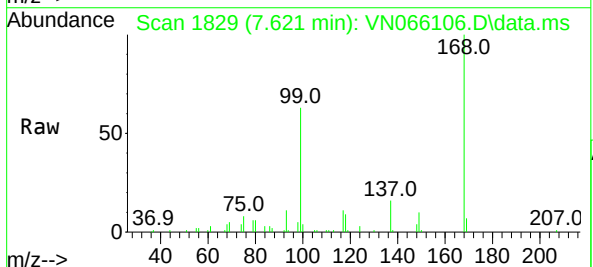
Tgt Ion: 75 Resp: 5634

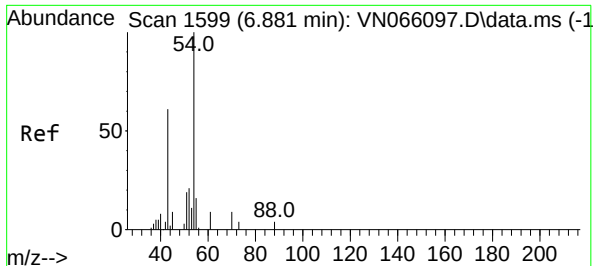
Ion Ratio Lower Upper

75 100

110 6.5 18.2 54.6#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.56 ug/l

RT: 6.878 min Scan# 1598

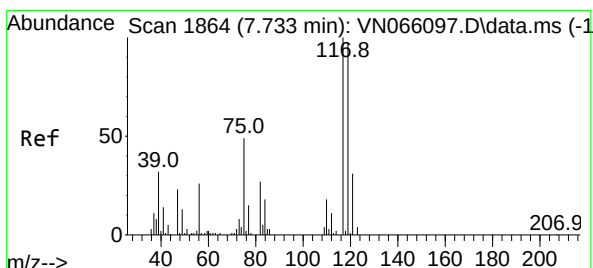
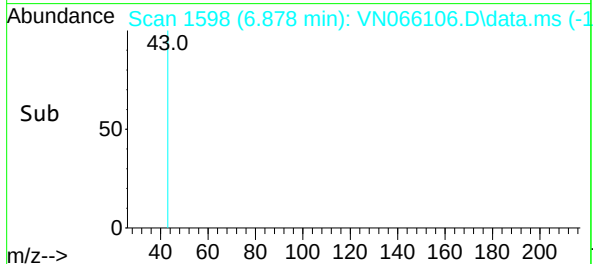
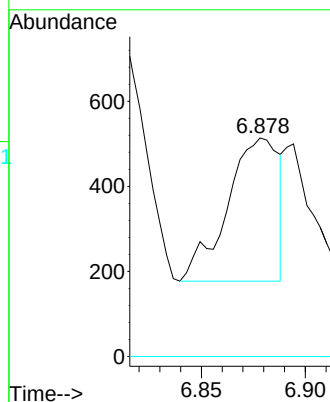
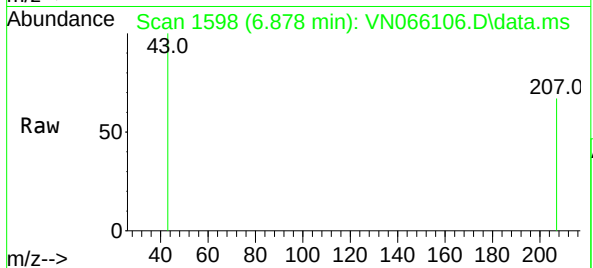
Delta R.T. -0.003 min

Lab File: VN066106.D

Acq: 2 Mar 2021 18:15

Tgt Ion:	43	Resp:	582
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.15 ug/l

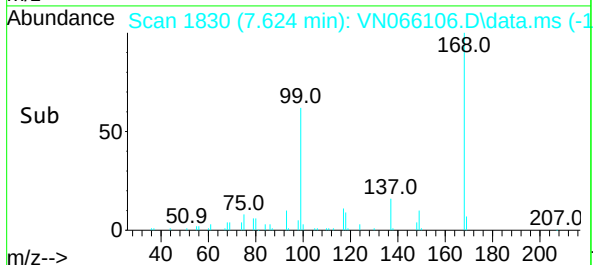
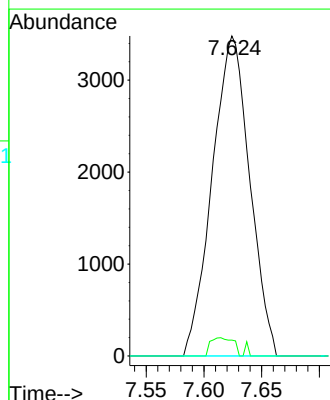
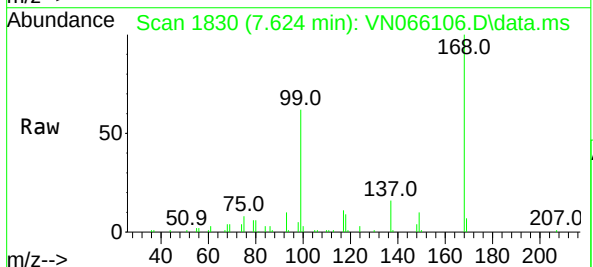
RT: 7.624 min Scan# 1830

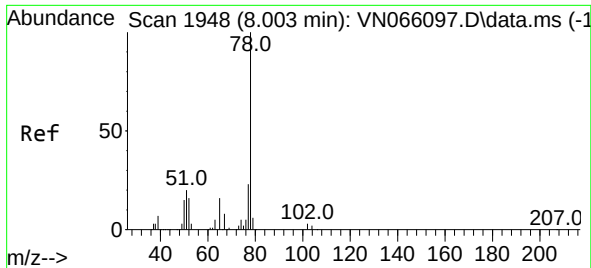
Delta R.T. -0.109 min

Lab File: VN066106.D

Acq: 2 Mar 2021 18:15

Tgt Ion:	117	Resp:	7860
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.0	114.0#
121	0.0	24.5	36.7#

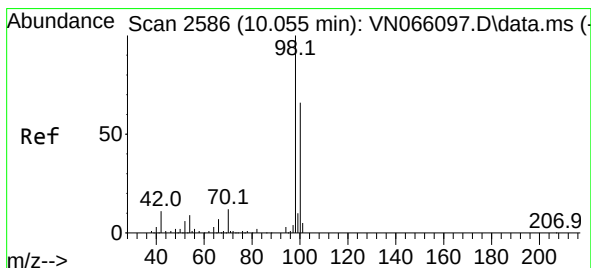
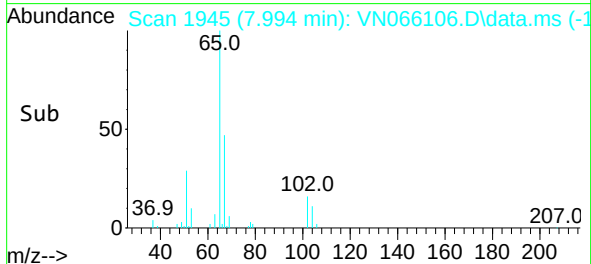
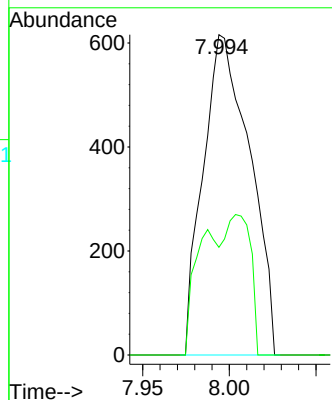
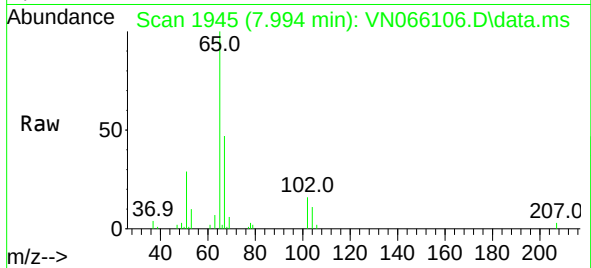




#40
Benzene
Concen: 0.29 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. -0.009 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

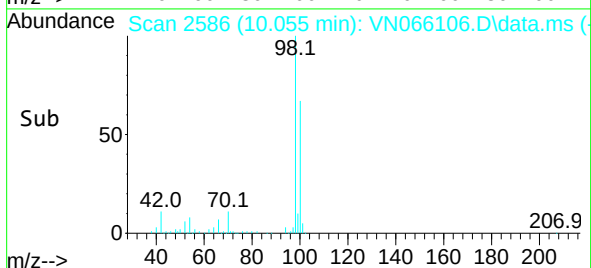
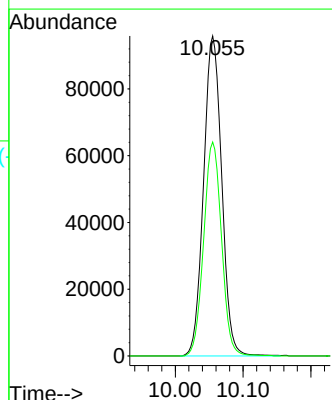
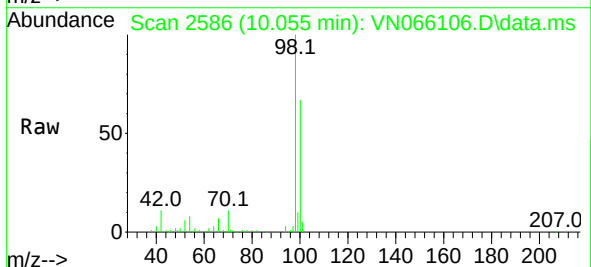
Instrument :
MSVOA_N
ClientSampled :

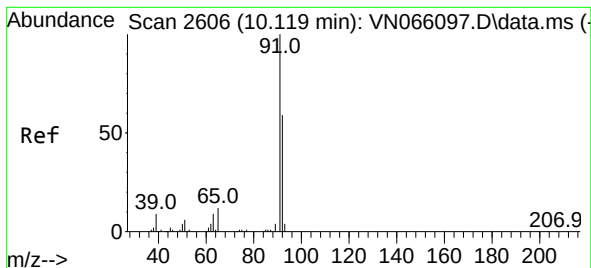
Tgt Ion: 78 Resp: 1153
Ion Ratio Lower Upper
78 100
77 33.6 19.0 28.4#



#50
Toluene-d8
Concen: 51.24 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion: 98 Resp: 178321
Ion Ratio Lower Upper
98 100
100 65.7 50.5 75.7

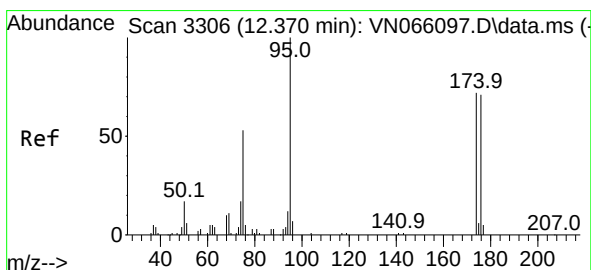
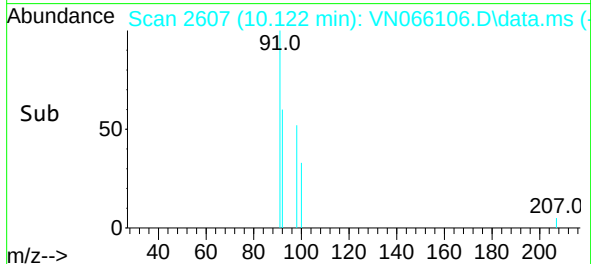
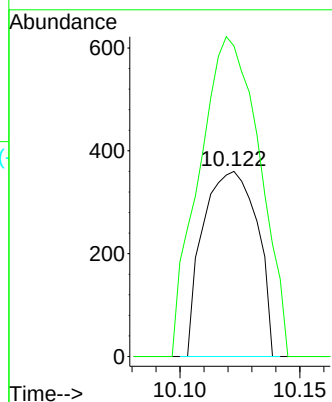
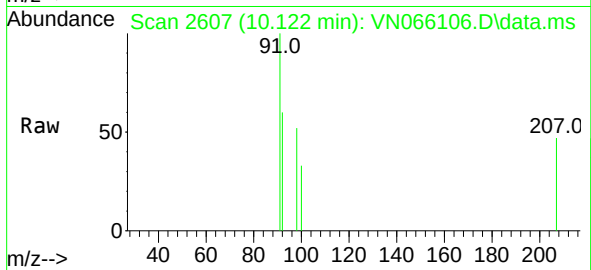




#52
Toluene
Concen: 0.22 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

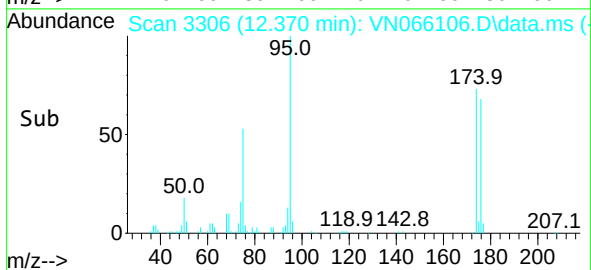
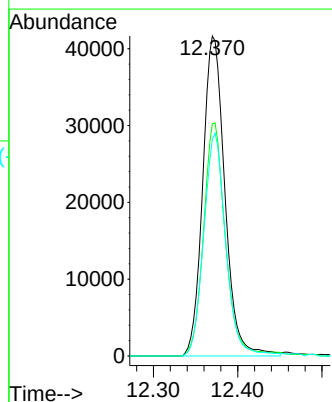
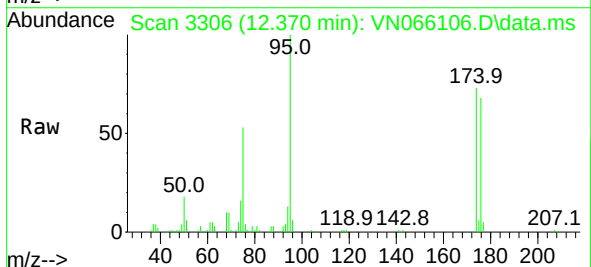
Instrument :
MSVOA_N
ClientSampled :

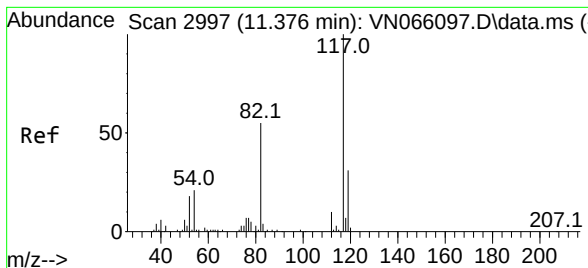
Tgt Ion: 92 Resp: 563
Ion Ratio Lower Upper
92 100
91 193.3 140.7 211.1



#62
4-Bromofluorobenzene
Concen: 56.77 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion: 95 Resp: 76100
Ion Ratio Lower Upper
95 100
174 71.3 0.0 169.0
176 69.5 0.0 162.4

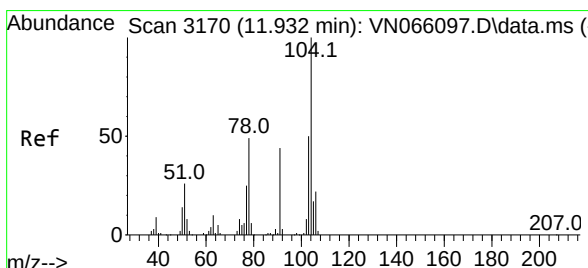
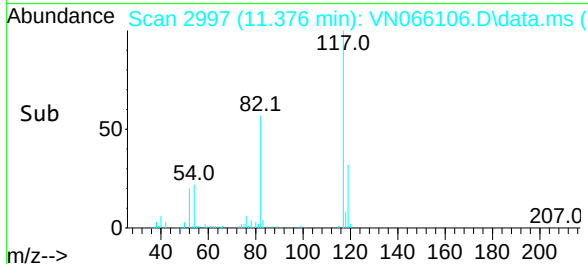
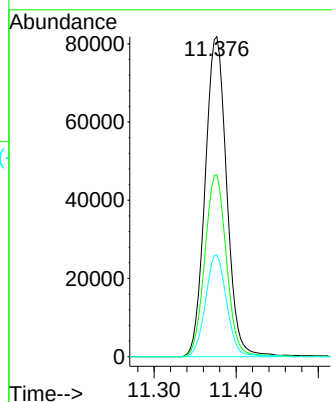
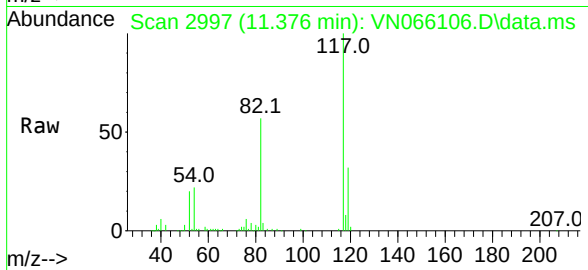




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

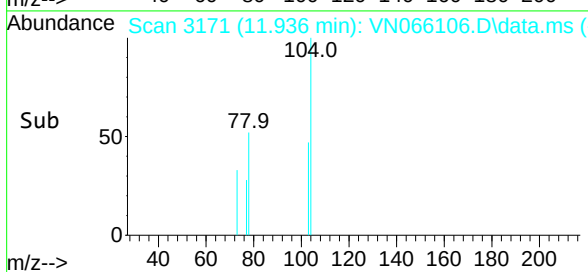
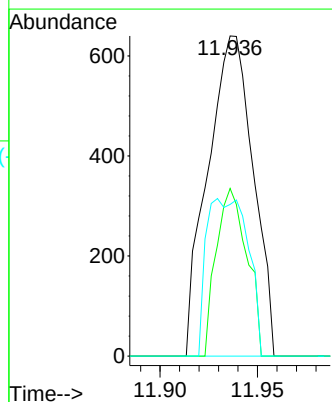
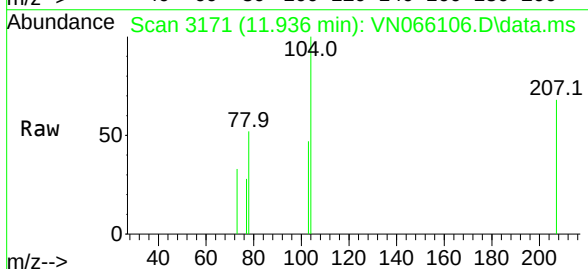
Instrument :
MSVOA_N
ClientSampleId :

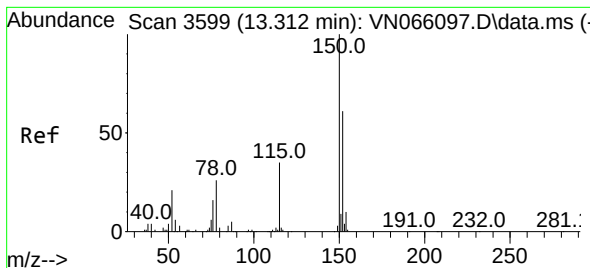
Tgt Ion:117 Resp: 149406
Ion Ratio Lower Upper
117 100
82 56.8 43.7 65.5
119 31.8 26.1 39.1



#70
Styrene
Concen: 0.31 ug/l
RT: 11.936 min Scan# 3171
Delta R.T. 0.004 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Tgt Ion:104 Resp: 1037
Ion Ratio Lower Upper
104 100
78 35.4 39.0 58.4#
103 45.2 44.5 66.7

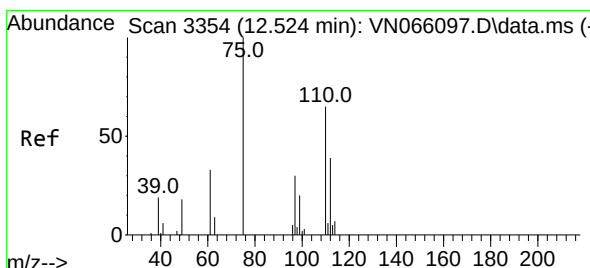
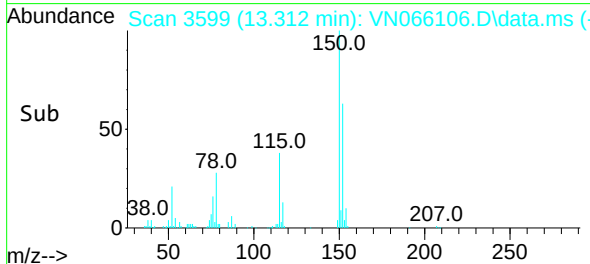
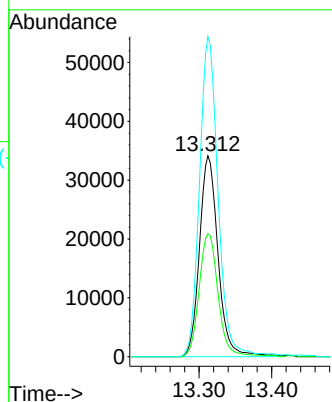
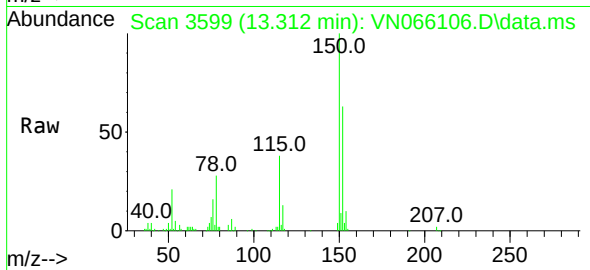




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.312 min Scan# 3599
 Delta R.T. 0.000 min
 Lab File: VN066106.D
 Acq: 2 Mar 2021 18:15

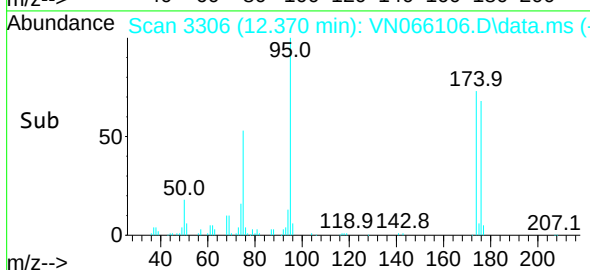
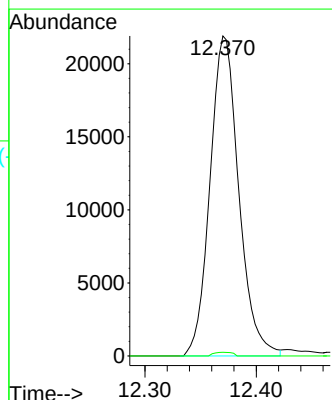
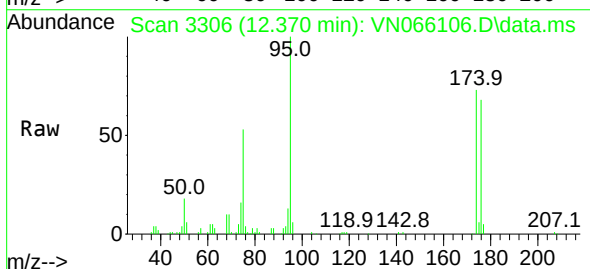
Instrument :
 MSVOA_N
 ClientSampled :

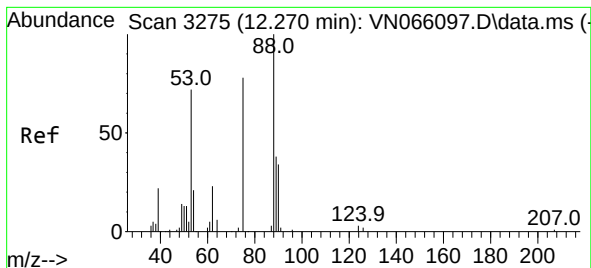
Tgt Ion:152 Resp: 60896
 Ion Ratio Lower Upper
 152 100
 115 62.3 28.5 85.6
 150 157.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 29.26 ug/l
 RT: 12.370 min Scan# 3306
 Delta R.T. -0.154 min
 Lab File: VN066106.D
 Acq: 2 Mar 2021 18:15

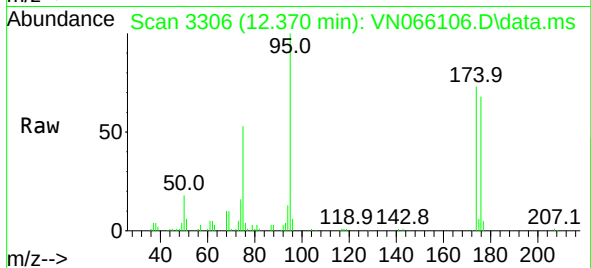
Tgt Ion: 75 Resp: 39338
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



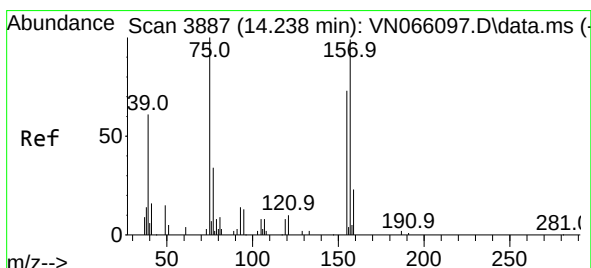
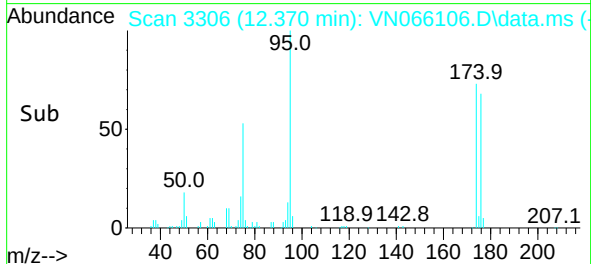
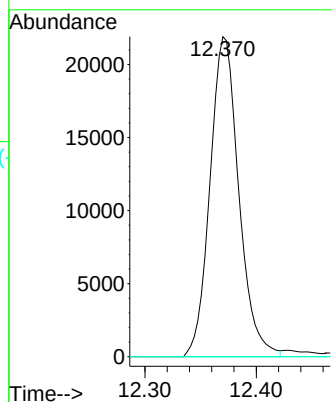


#81
trans-1,4-Dichloro-2-butene
Concen: 86.08 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.100 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :

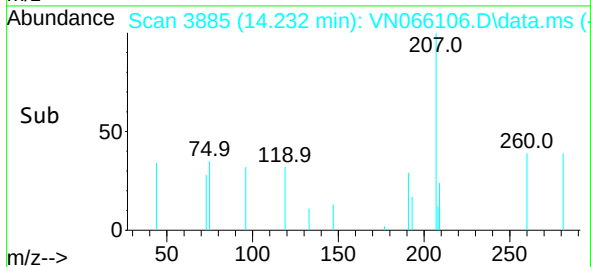
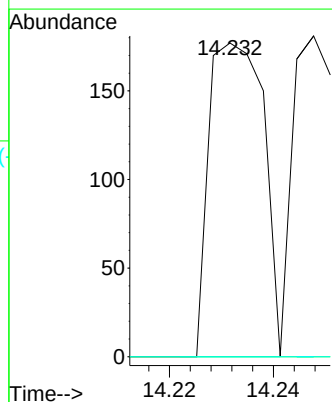
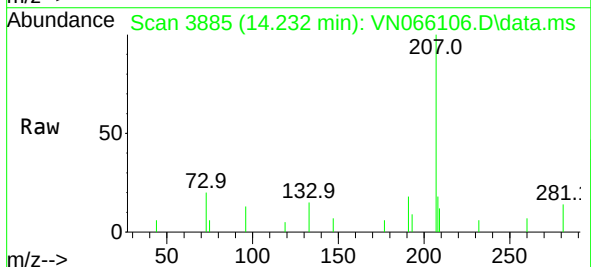


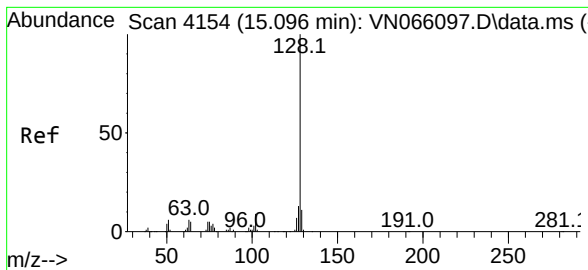
Tgt Ion: 75 Resp: 39338
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.232 min Scan# 3885
Delta R.T. -0.006 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

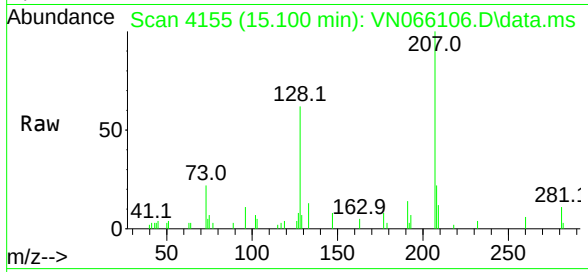
Tgt Ion: 75 Resp: 129
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 2.12 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.004 min
Lab File: VN066106.D
Acq: 2 Mar 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	7211
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.2	15.2
129	11.8	8.6	13.0

