

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030121\
 Data File : VN066089.D
 Acq On : 1 Mar 2021 20:15
 Operator : JC/MD
 Sample : M1488-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41701

Quant Time: Mar 01 21:47:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

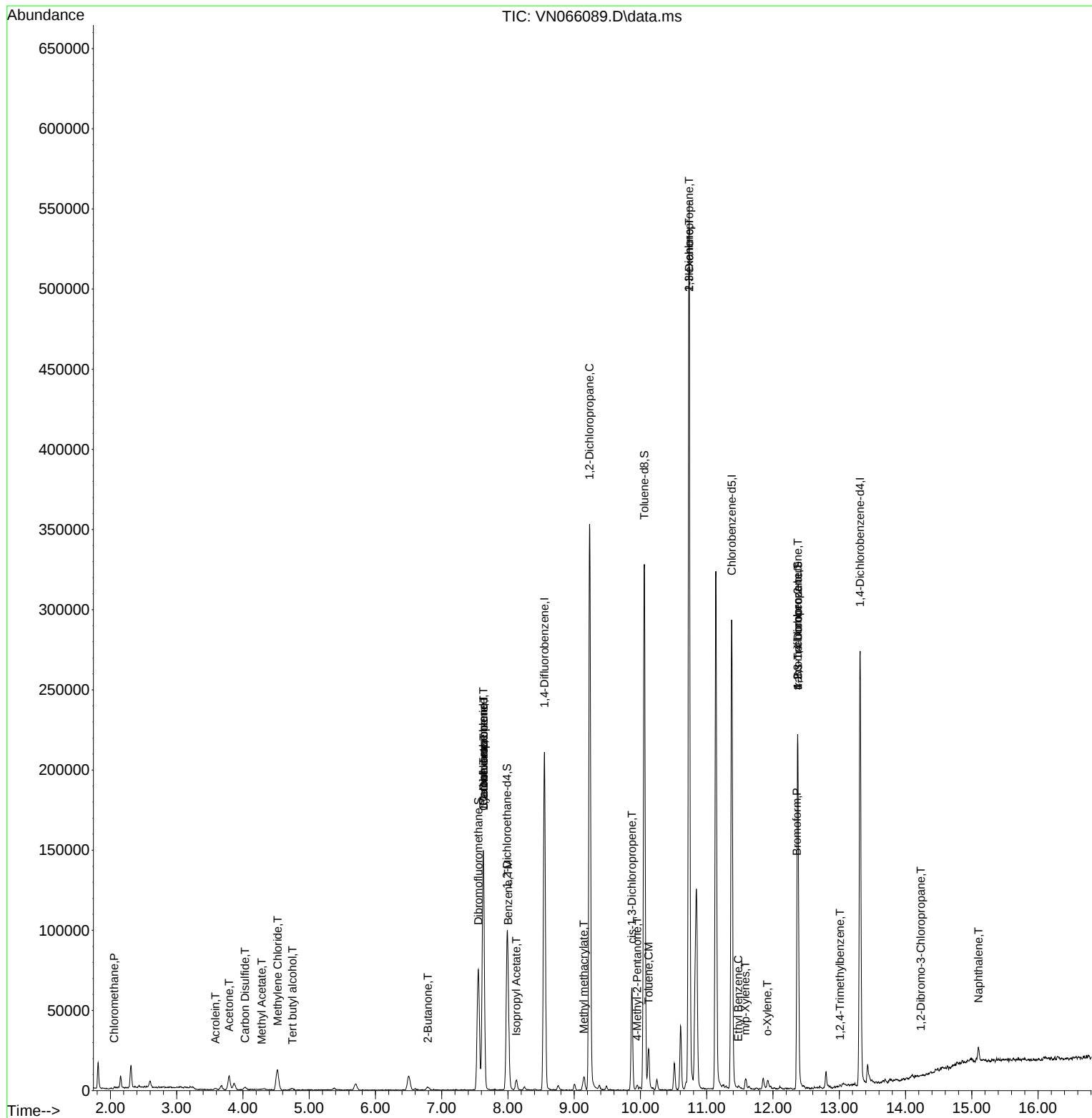
Internal Standards						
1) Pentafluorobenzene	7.627	168	118634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	192590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	175651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	78543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	81277	48.99	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.98%		
35) Dibromofluoromethane	7.553	113	59384	49.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.64%		
50) Toluene-d8	10.058	98	238370	48.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.44%		
62) 4-Bromofluorobenzene	12.373	95	87471	47.62	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.24%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	670	0.34	ug/l	93
11) Tert butyl alcohol	4.750	59	1914	8.30	ug/l #	73
13) Acrolein	3.586	56	1101	5.22	ug/l #	51
16) Acetone	3.791	43	14964	27.28	ug/l	98
17) Carbon Disulfide	4.033	76	2103	0.55	ug/l #	74
18) Methyl Acetate	4.283	43	312	0.23	ug/l #	51
20) Methylene Chloride	4.525	84	10248	6.66	ug/l	97
25) 2-Butanone	6.791	43	3048	3.71	ug/l	92
31) Cyclohexane	7.631	56	2450	0.99	ug/l #	21
36) 1,1-Dichloropropene	7.631	75	9273	4.88	ug/l #	48
38) Carbon Tetrachloride	7.627	117	11910	6.75	ug/l #	16
40) Benzene	8.003	78	22770	3.91	ug/l	95
43) Isopropyl Acetate	8.126	43	7375	2.70	ug/l #	91
45) 1,2-Dichloropropane	9.232	63	303	0.20	ug/l #	44
48) Methyl methacrylate	9.142	41	2520	1.82	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	2369	1.42	ug/l	97
52) Toluene	10.122	92	10968	3.07	ug/l	94
54) cis-1,3-Dichloropropene	9.872	75	12336	5.38	ug/l #	60
57) 1,3-Dichloropropane	10.733	76	5970	2.53	ug/l #	43
59) 2-Hexanone	10.733	43	82331	69.50	ug/l #	50
67) Ethyl Benzene	11.476	91	1565	0.24	ug/l	99
68) m/p-Xylenes	11.582	106	1267	0.51	ug/l #	1
69) o-Xylene	11.917	106	1130	0.47	ug/l	71
71) Bromoform	12.360	173	92	2.59	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	45243	23.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	45243	76.42	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	1583	0.29	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.232	75	63	1.01	ug/l #	1
95) Naphthalene	15.100	128	7548	4.61	ug/l	98

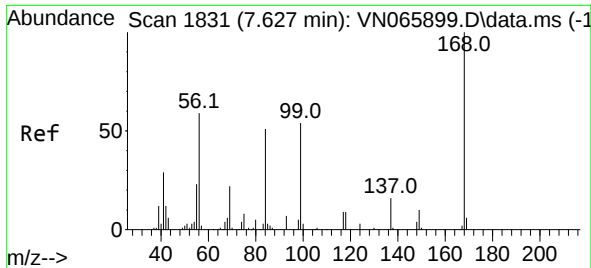
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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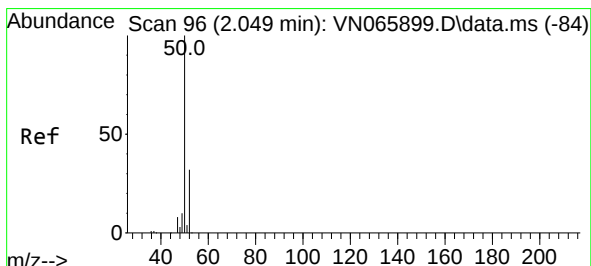
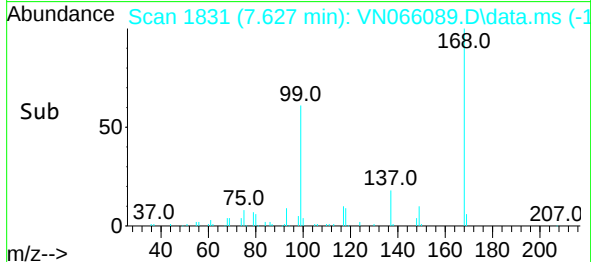
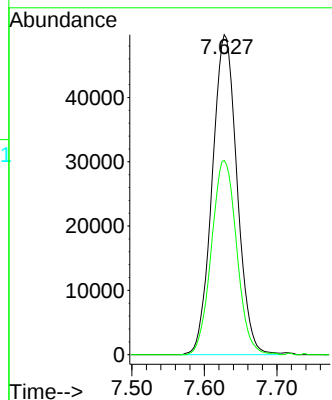
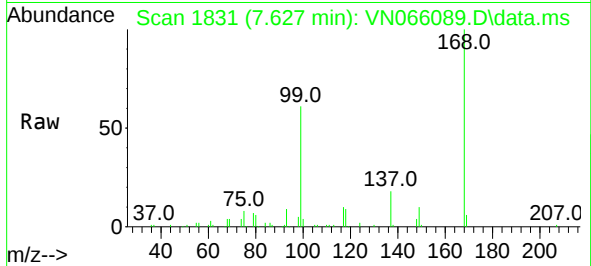




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

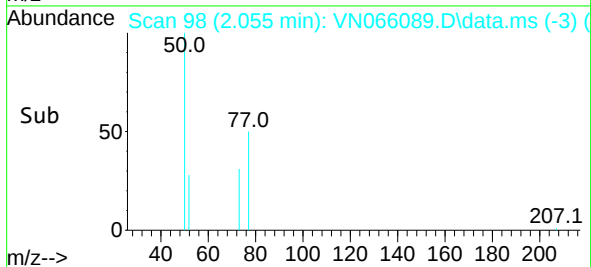
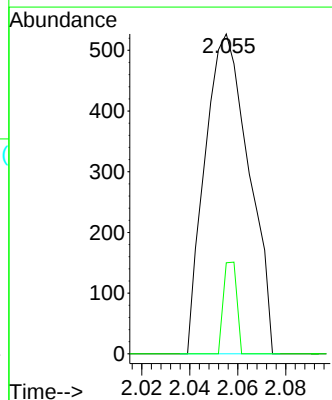
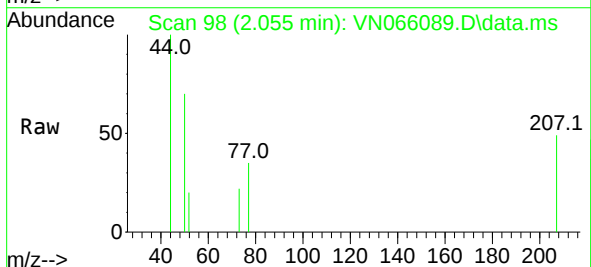
Instrument :
MSVOA_N
ClientSampled :
41701

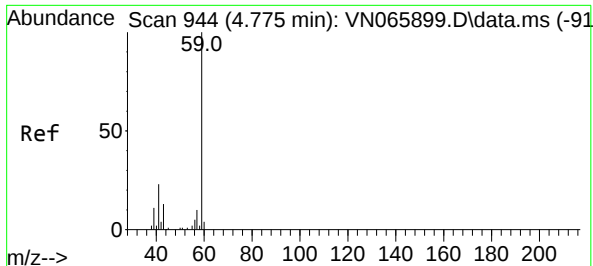
Tgt Ion:168 Resp: 118634
Ion Ratio Lower Upper
168 100
99 60.7 42.6 63.8



#3
Chloromethane
Concen: 0.34 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 50 Resp: 670
Ion Ratio Lower Upper
50 100
52 28.5 25.8 38.8

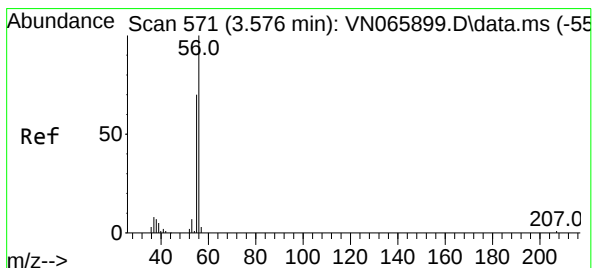
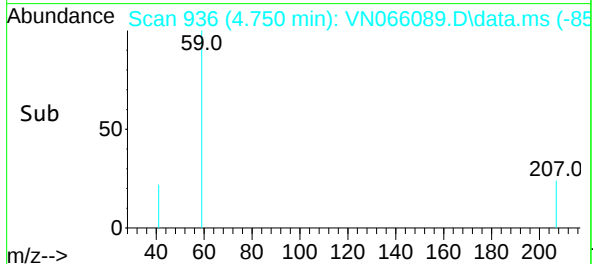
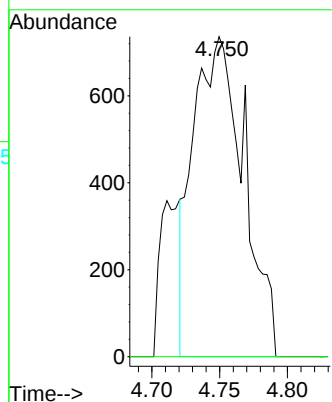
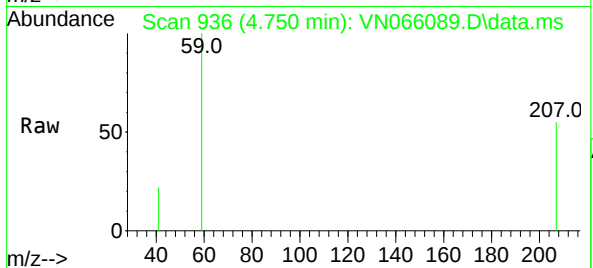




#11
Tert butyl alcohol
Concen: 8.30 ug/l
RT: 4.750 min Scan# 936
Delta R.T. -0.025 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

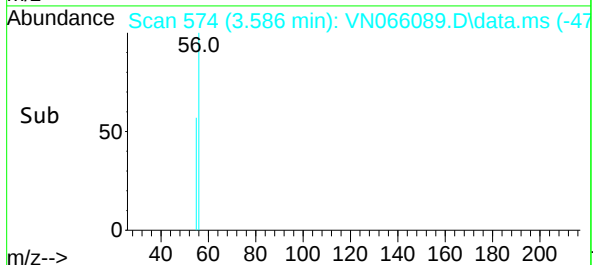
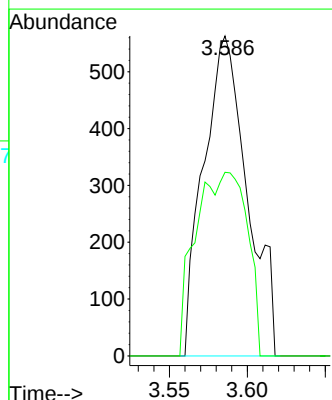
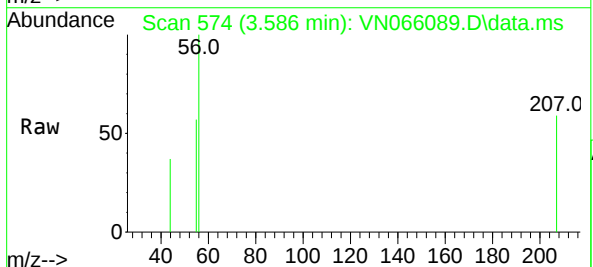
Instrument :
MSVOA_N
ClientSampleId :
41701

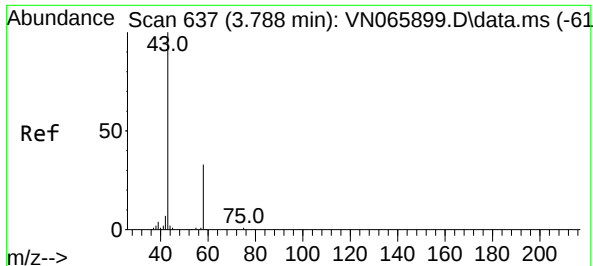
Tgt Ion: 59 Resp: 1914
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 5.22 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 56 Resp: 1101
Ion Ratio Lower Upper
56 100
55 29.9 56.0 84.0#

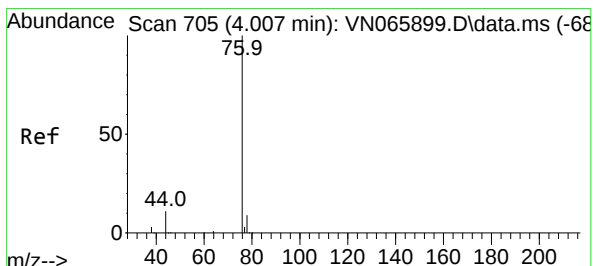
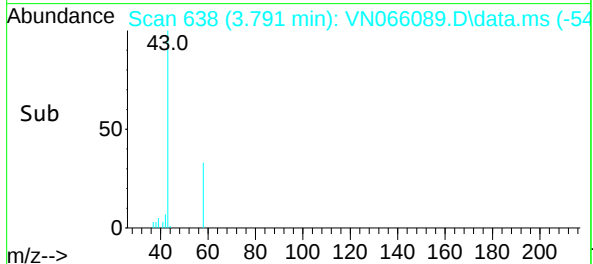
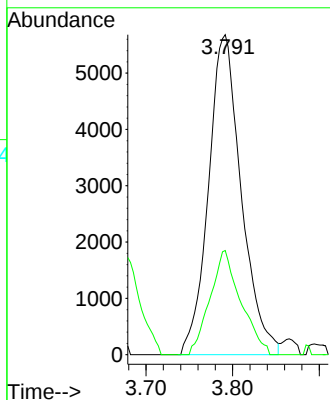
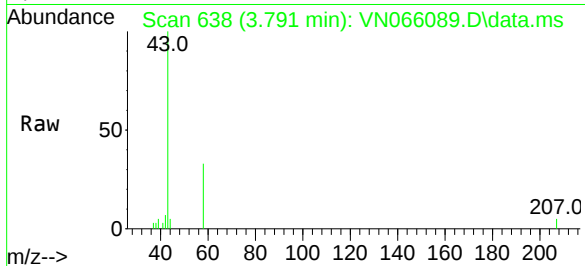




#16
Acetone
Concen: 27.28 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

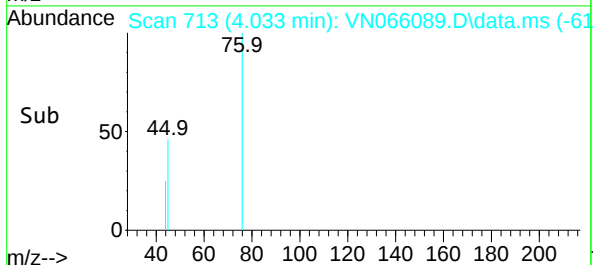
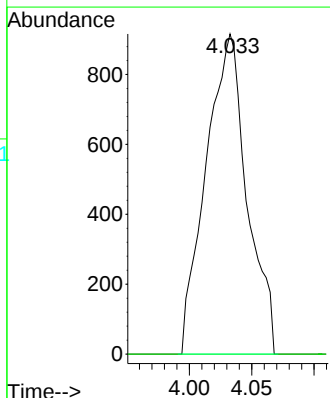
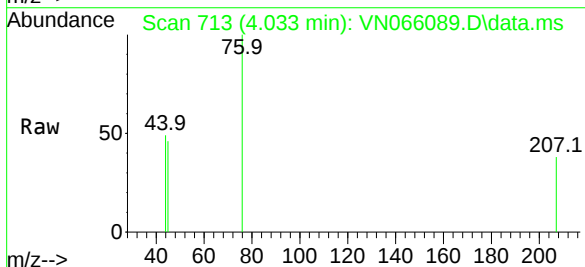
Instrument :
MSVOA_N
ClientSampled :
41701

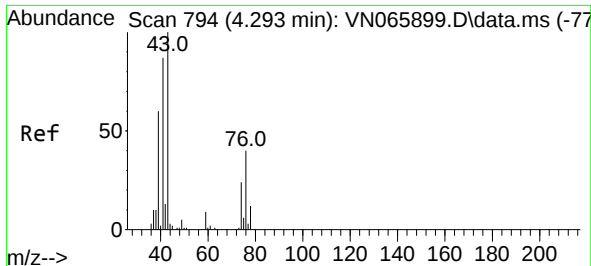
Tgt Ion: 43 Resp: 14964
Ion Ratio Lower Upper
43 100
58 32.6 27.0 40.6



#17
Carbon Disulfide
Concen: 0.55 ug/l
RT: 4.033 min Scan# 713
Delta R.T. 0.026 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 76 Resp: 2103
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

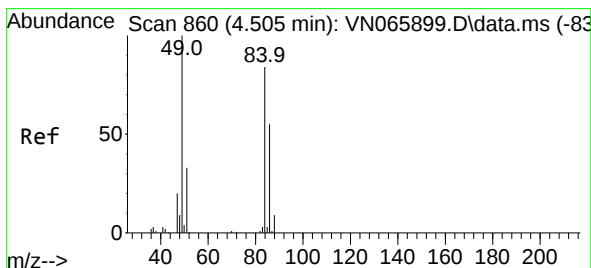
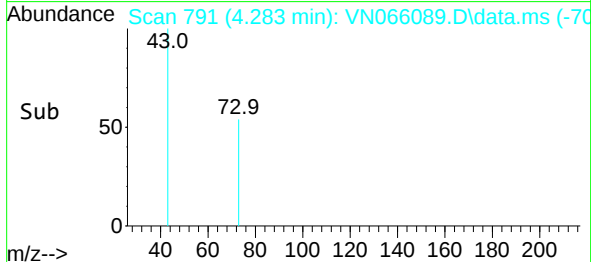
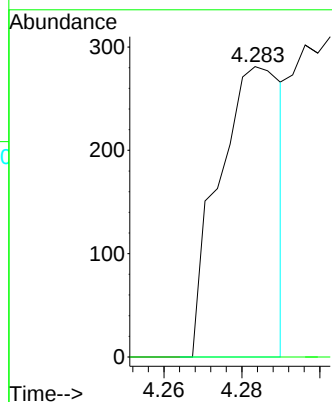
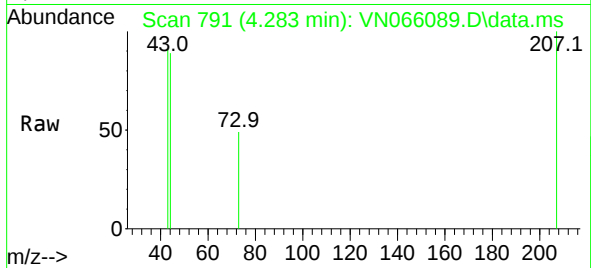




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.283 min Scan# 791
Delta R.T. -0.010 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

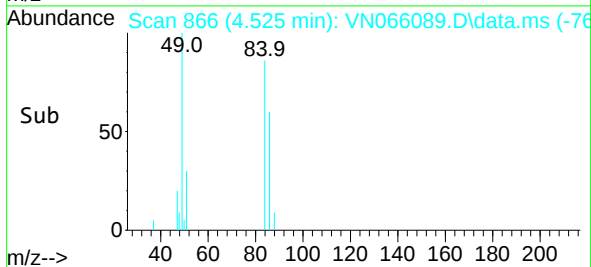
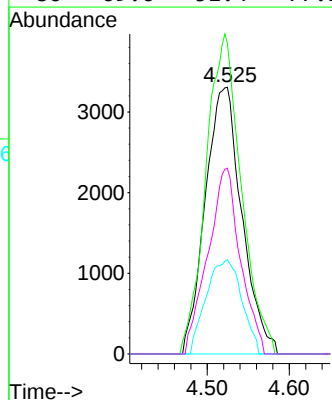
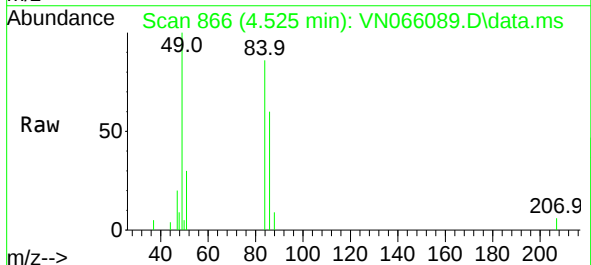
Instrument :
MSVOA_N
ClientSampled :
41701

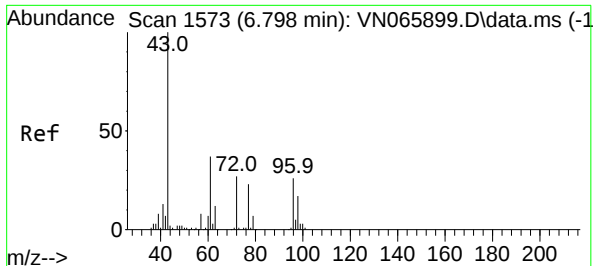
Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#20
Methylene Chloride
Concen: 6.66 ug/l
RT: 4.525 min Scan# 866
Delta R.T. 0.020 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 84 Resp: 10248
Ion Ratio Lower Upper
84 100
49 116.4 94.6 141.8
51 35.3 29.9 44.9
86 69.6 51.4 77.2

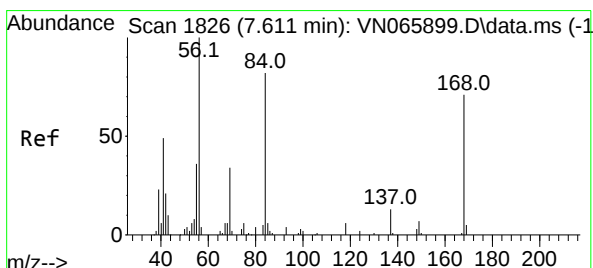
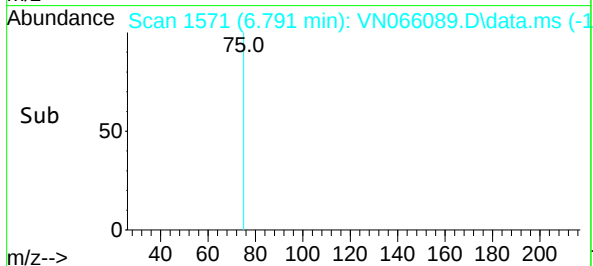
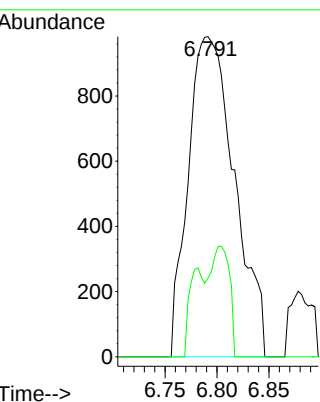
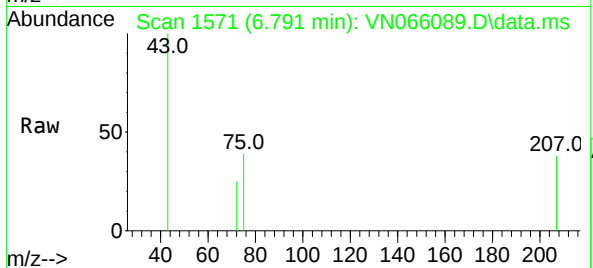




#25
2-Butanone
Concen: 3.71 ug/l
RT: 6.791 min Scan# 1571
Delta R.T. -0.007 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

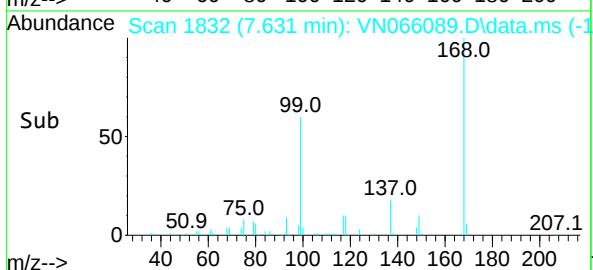
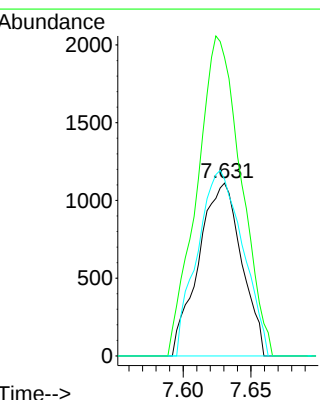
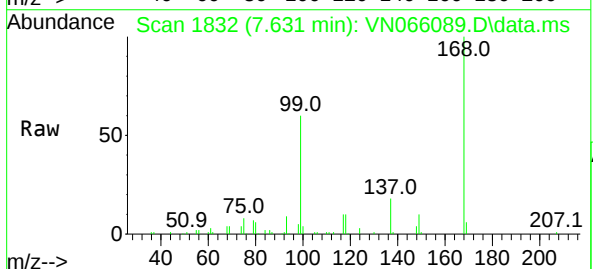
Instrument :
MSVOA_N
ClientSampled :
41701

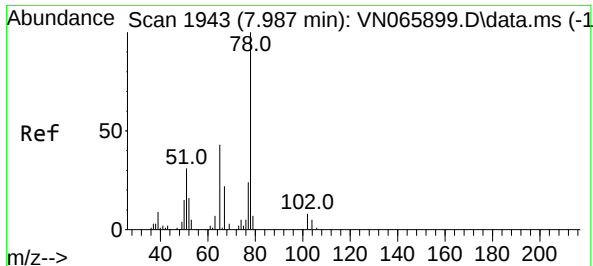
Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
72 24.6 23.1 34.7



#31
Cyclohexane
Concen: 0.99 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.020 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 56 Resp: 2450
Ion Ratio Lower Upper
56 100
69 172.8 26.6 39.8#
84 102.3 70.4 105.6

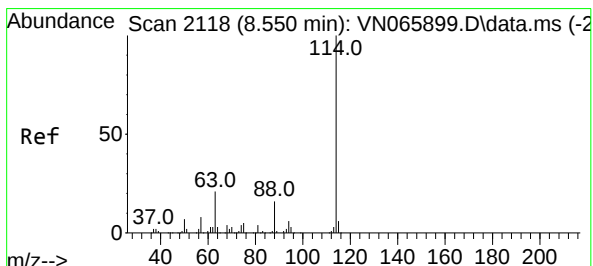
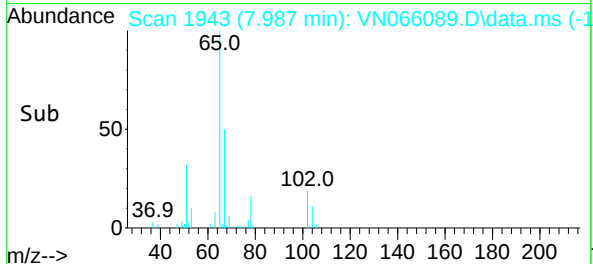
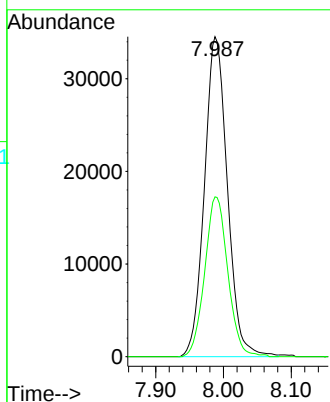
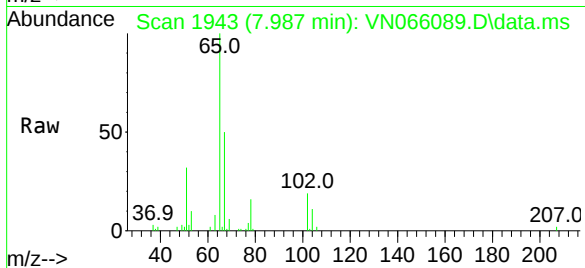




#33
1,2-Dichloroethane-d4
Concen: 48.99 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

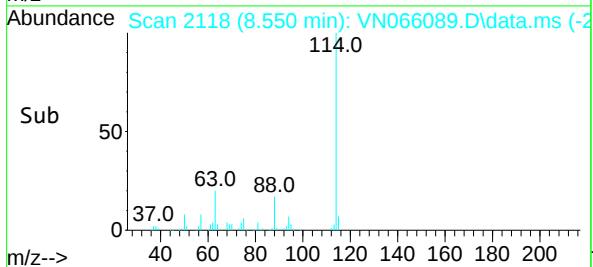
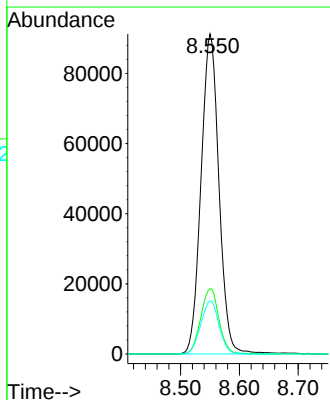
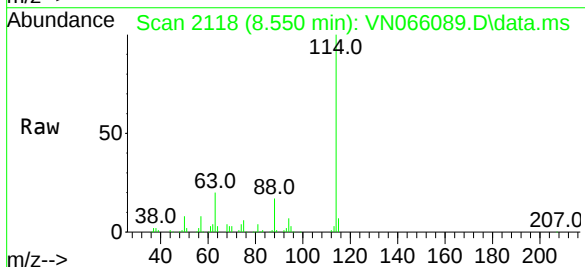
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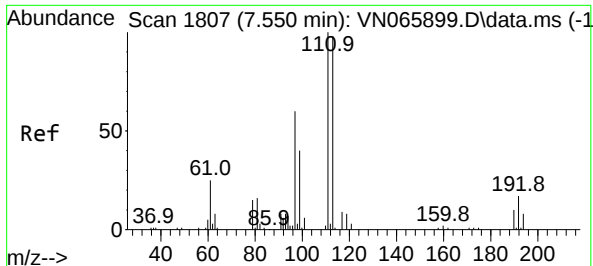
Tgt Ion: 65 Resp: 81277
Ion Ratio Lower Upper
65 100
67 50.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 114 Resp: 192590
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.6
88 16.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.82 ug/l

RT: 7.553 min Scan# 1808

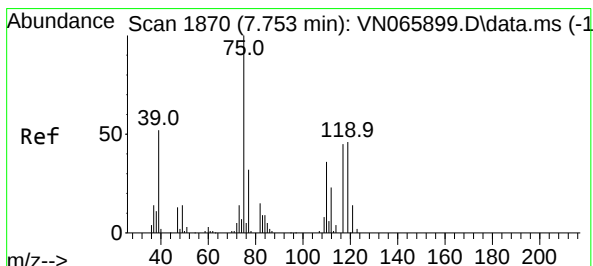
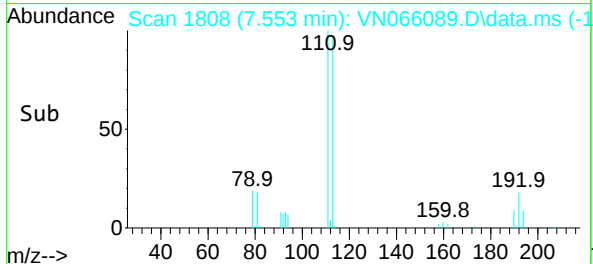
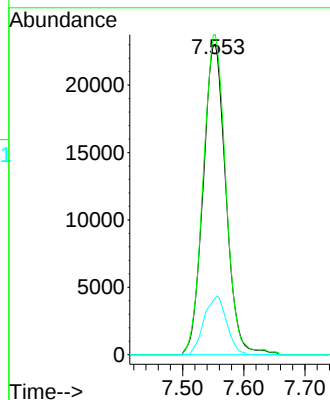
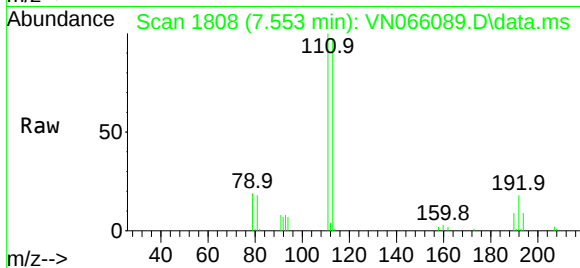
Delta R.T. 0.003 min

Lab File: VN066089.D

Acq: 1 Mar 2021 20:15

Tgt Ion:	113	Resp:	59384
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	18.7	15.4	23.0

Instrument :
MSVOA_N
ClientSampled :
41701



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

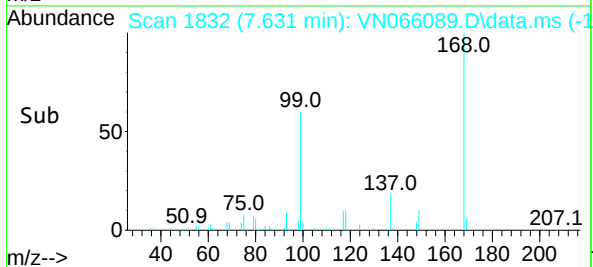
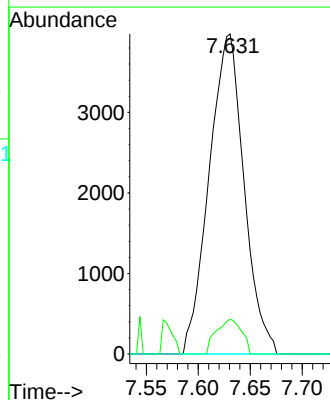
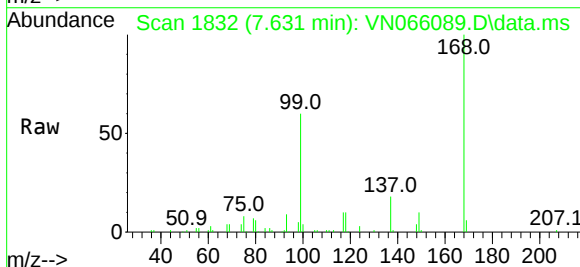
RT: 7.631 min Scan# 1832

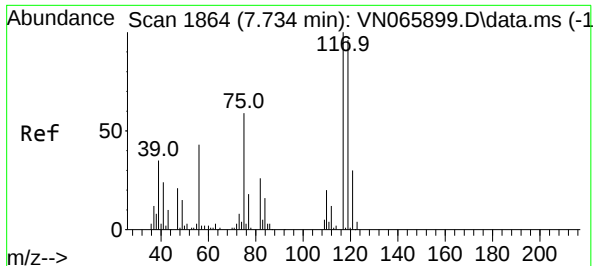
Delta R.T. -0.122 min

Lab File: VN066089.D

Acq: 1 Mar 2021 20:15

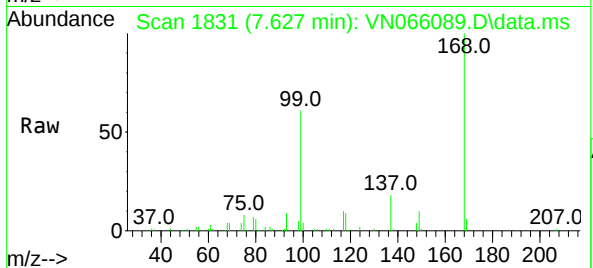
Tgt Ion:	75	Resp:	9273
Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.2	54.6#
77	0.0	24.9	37.3#



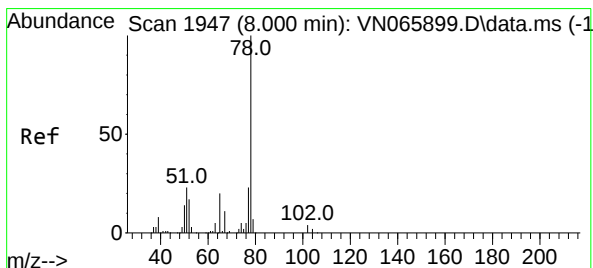
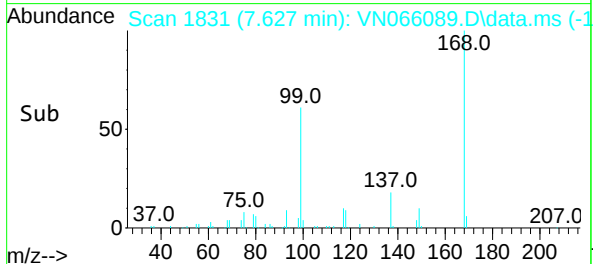
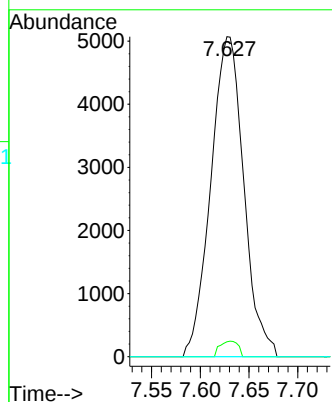


#38
Carbon Tetrachloride
Concen: 6.75 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Instrument :
MSVOA_N
ClientSampleId :
41701

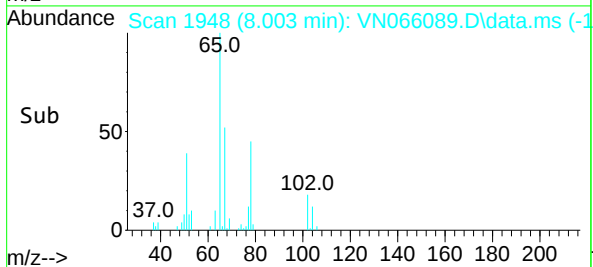
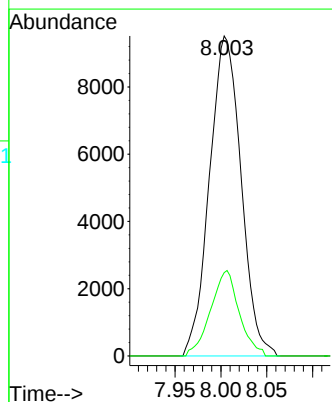
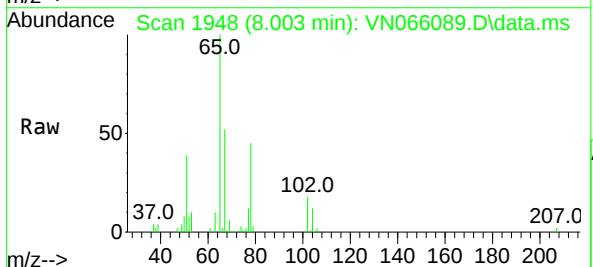


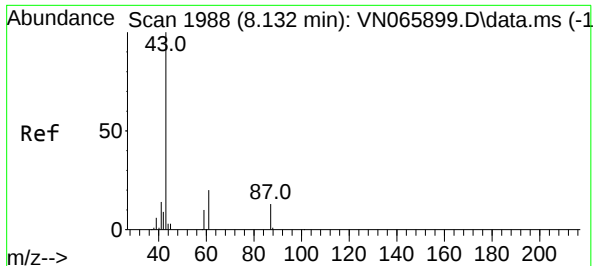
Tgt Ion:117 Resp: 11910
Ion Ratio Lower Upper
117 100
119 4.6 76.0 114.0#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 3.91 ug/l
RT: 8.003 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 78 Resp: 22770
Ion Ratio Lower Upper
78 100
77 26.0 19.0 28.4



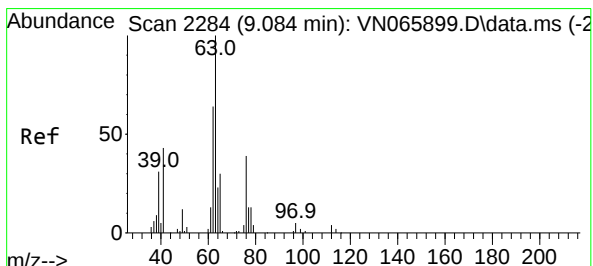
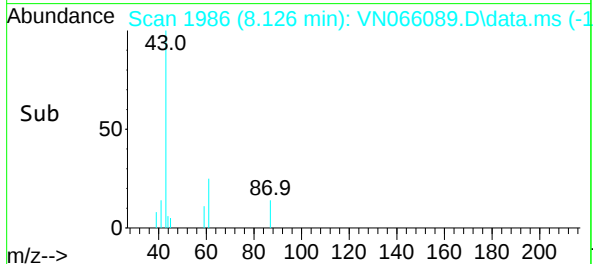
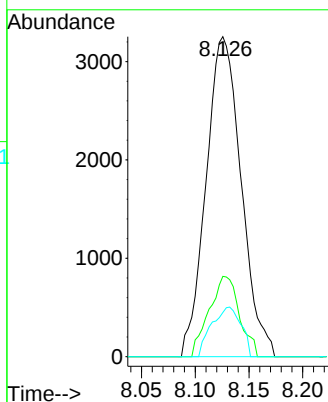
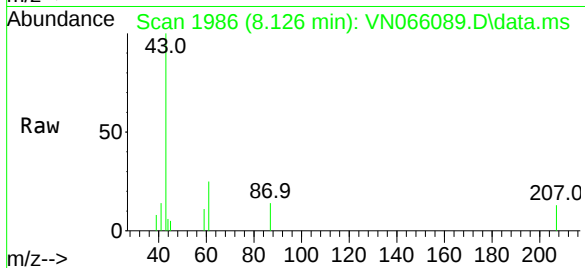


#43

Isopropyl Acetate
Concen: 2.70 ug/l
RT: 8.126 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Instrument :
MSVOA_N
ClientSampleId :
41701

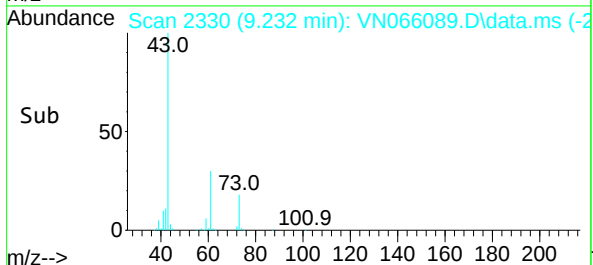
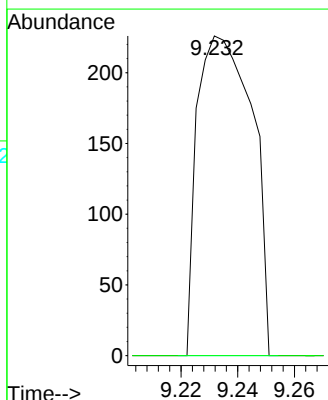
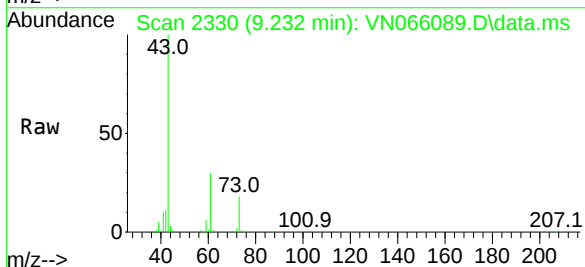
Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.7	22.5	33.7#
87	12.9	11.1	16.7

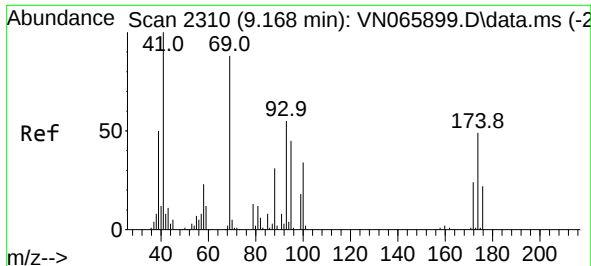


#45

1,2-Dichloropropane
Concen: 0.20 ug/l
RT: 9.232 min Scan# 2330
Delta R.T. 0.148 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

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

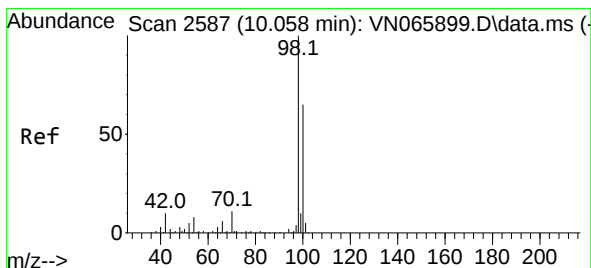
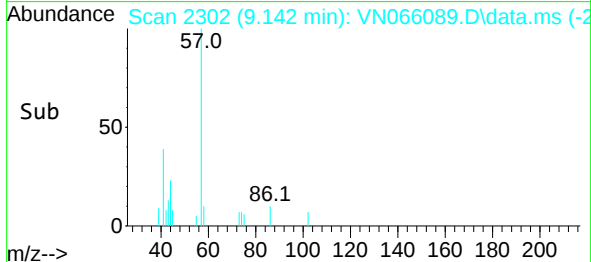
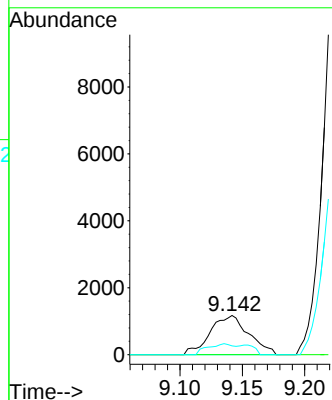
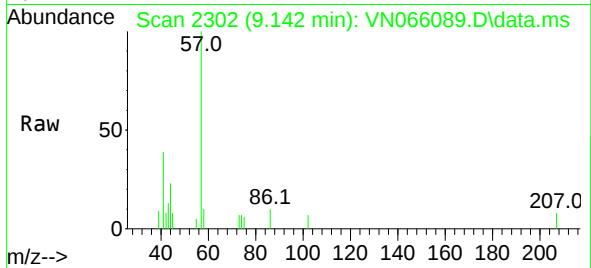




#48
Methyl methacrylate
Concen: 1.82 ug/l
RT: 9.142 min Scan# 2302
Delta R.T. -0.026 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

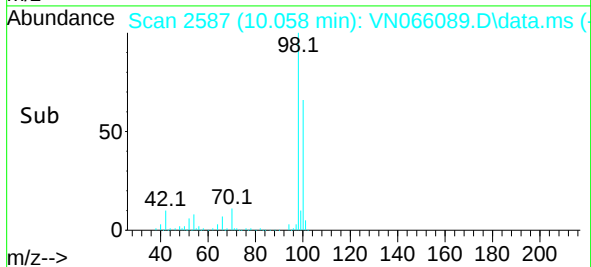
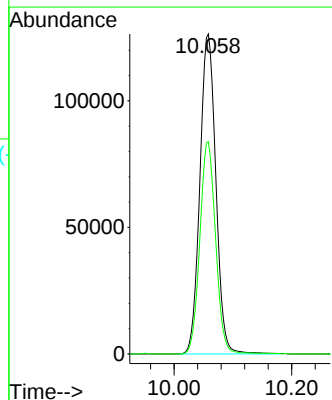
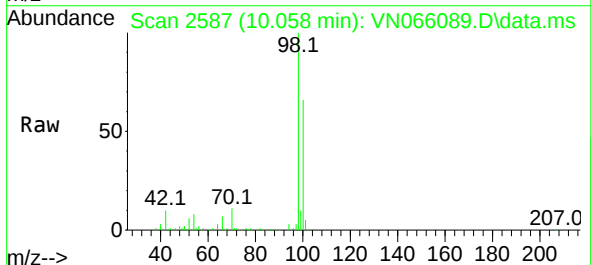
Instrument :
MSVOA_N
ClientSampled :
41701

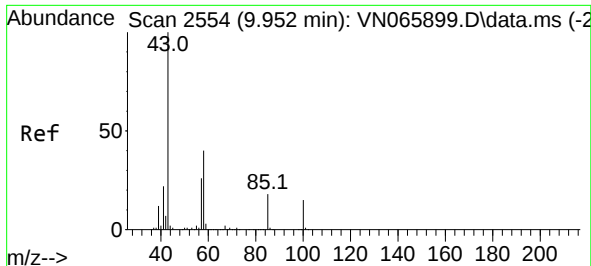
Tgt Ion: 41 Resp: 2520
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 48.72 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 98 Resp: 238370
Ion Ratio Lower Upper
98 100
100 65.5 50.5 75.7

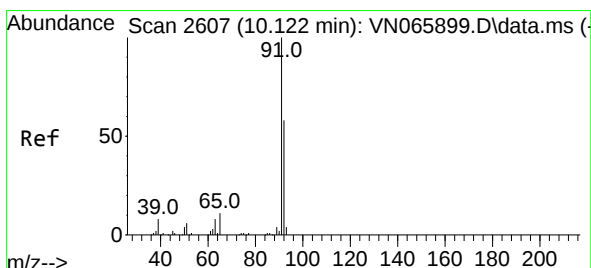
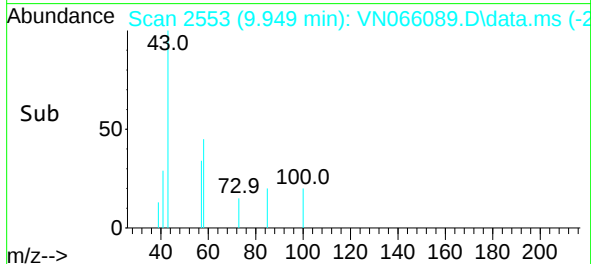
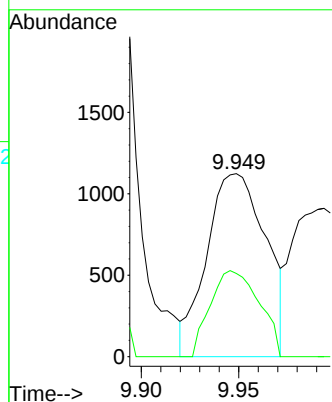
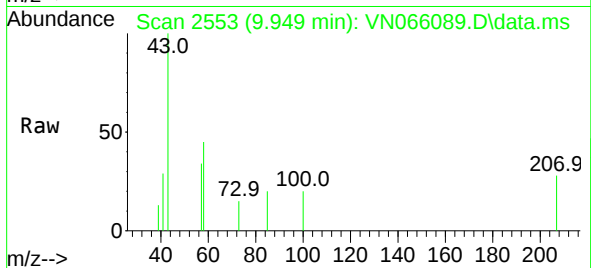




#51
4-Methyl-2-Pentanone
Concen: 1.42 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

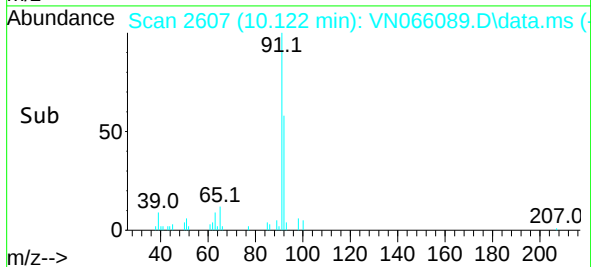
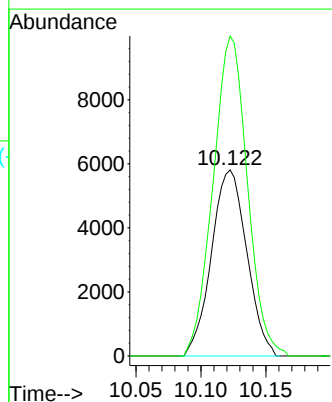
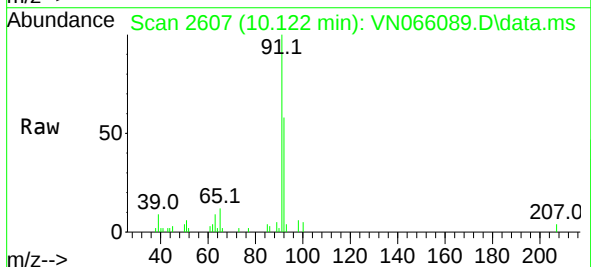
Instrument :
MSVOA_N
ClientSampleId :
41701

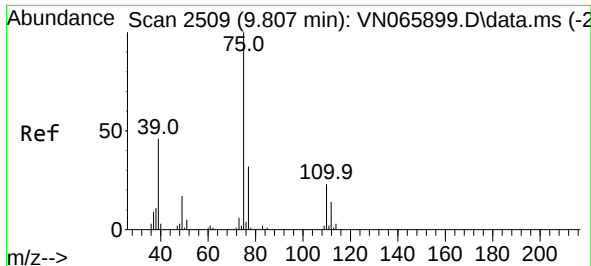
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
58 39.0 32.5 48.7



#52
Toluene
Concen: 3.07 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

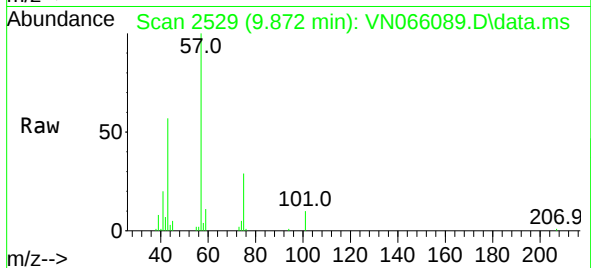
Tgt Ion: 92 Resp: 10968
Ion Ratio Lower Upper
92 100
91 166.9 140.7 211.1



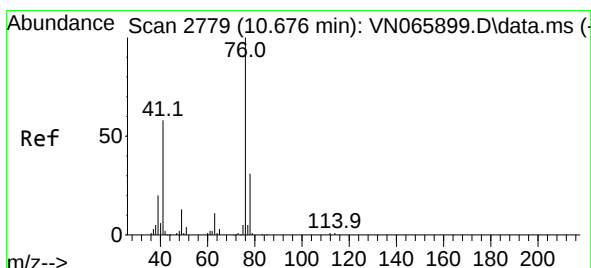
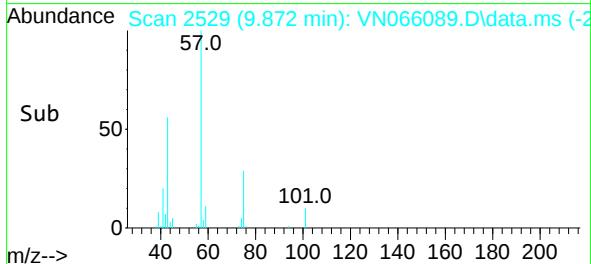
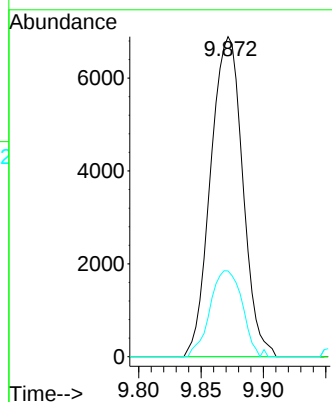


#54
 cis-1,3-Dichloropropene
 Concen: 5.38 ug/l
 RT: 9.872 min Scan# 2529
 Delta R.T. 0.065 min
 Lab File: VN066089.D
 Acq: 1 Mar 2021 20:15

Instrument :
 MSVOA_N
 ClientSampled :
 41701

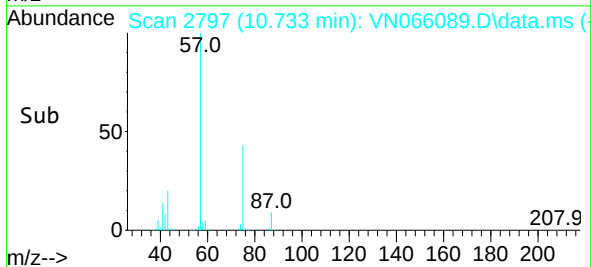
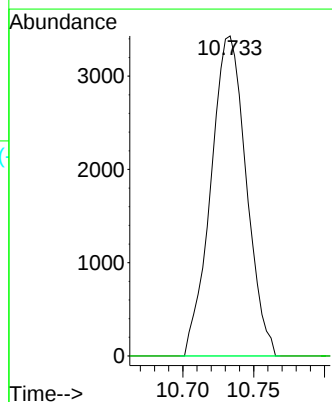
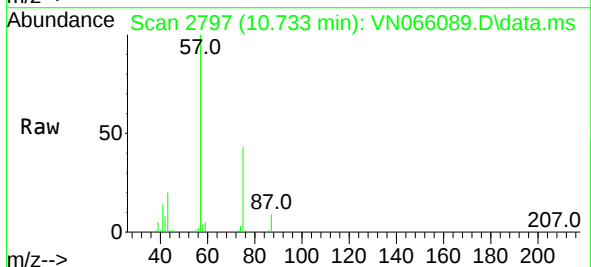


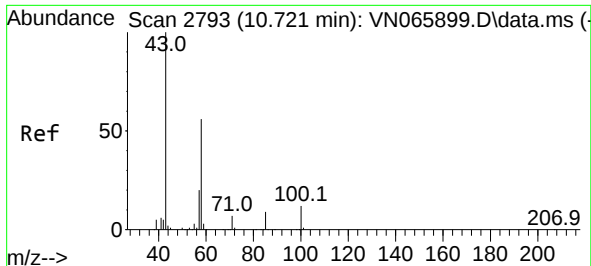
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.9	37.3#
39	26.8	36.2	54.4#



#57
 1,3-Dichloropropane
 Concen: 2.53 ug/l
 RT: 10.733 min Scan# 2797
 Delta R.T. 0.057 min
 Lab File: VN066089.D
 Acq: 1 Mar 2021 20:15

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

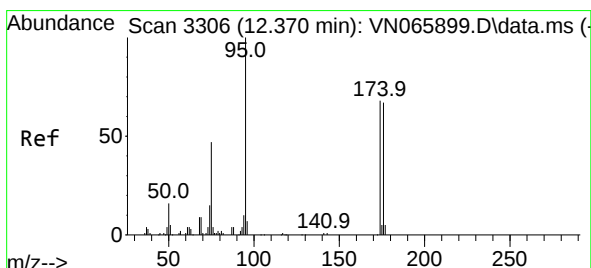
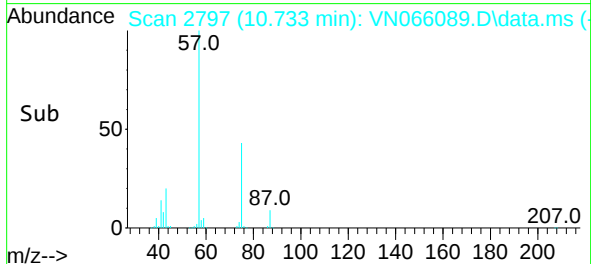
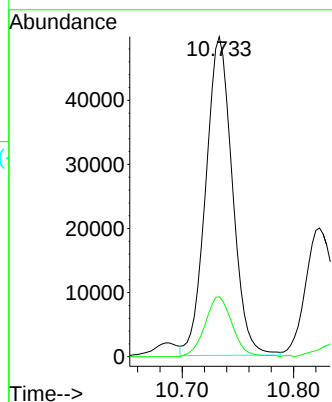
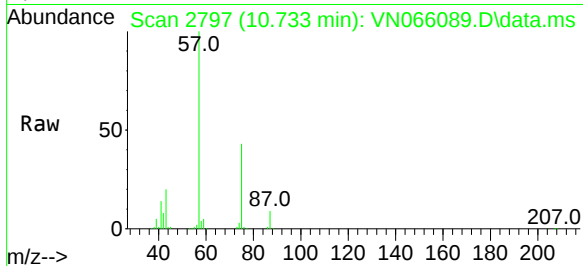




#59
2-Hexanone
Concen: 69.50 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

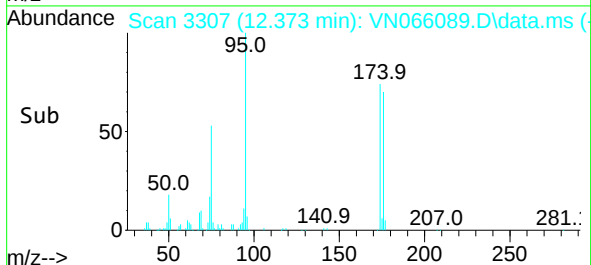
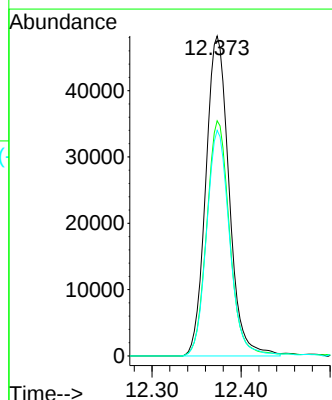
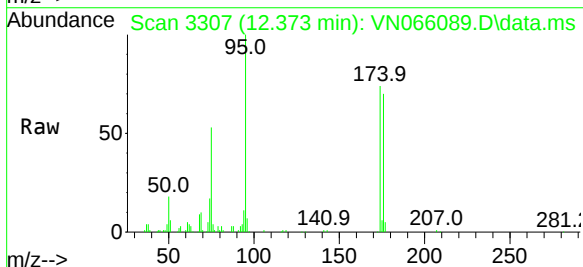
Instrument :
MSVOA_N
ClientSampled :
41701

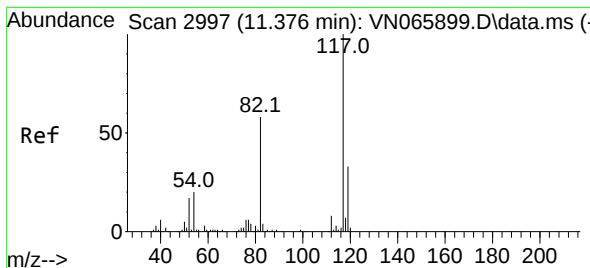
Tgt Ion: 43 Resp: 82331
Ion Ratio Lower Upper
43 100
58 19.3 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.62 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 95 Resp: 87471
Ion Ratio Lower Upper
95 100
174 72.4 0.0 169.0
176 69.8 0.0 162.4

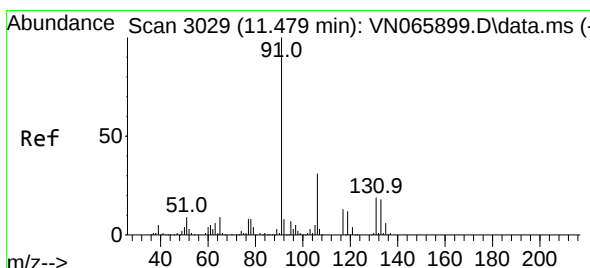
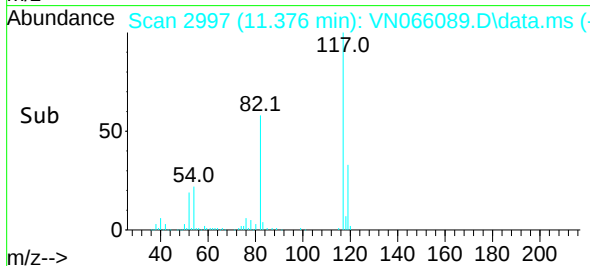
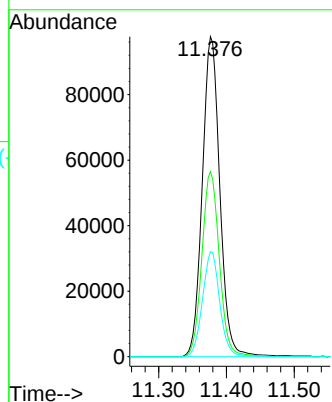
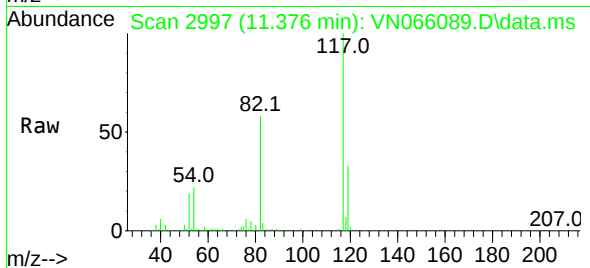




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

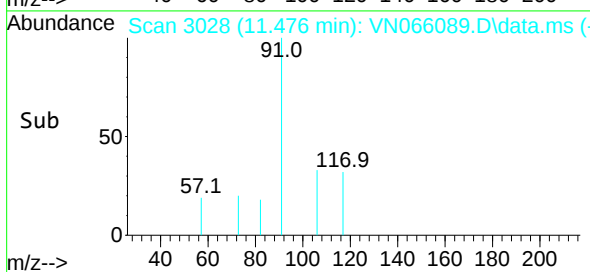
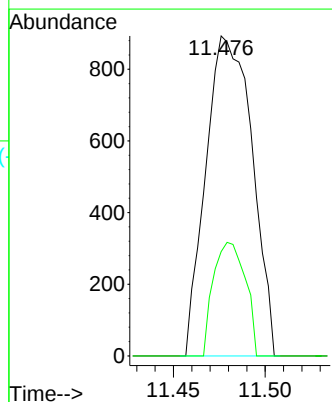
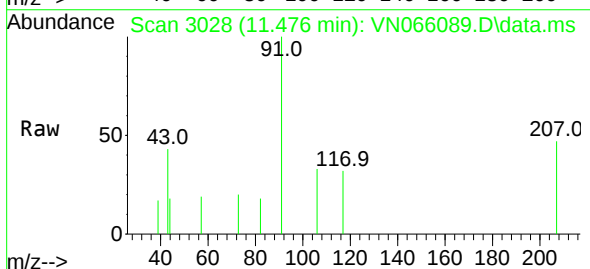
Instrument :
MSVOA_N
ClientSampled :
41701

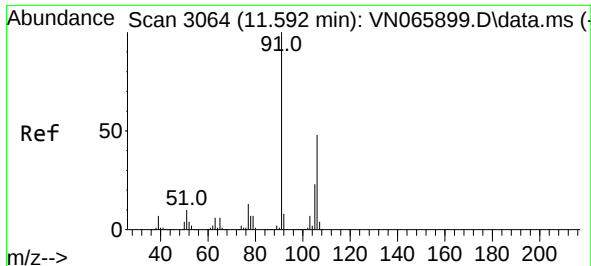
Tgt Ion:117 Resp: 175651
Ion Ratio Lower Upper
117 100
82 57.9 43.7 65.5
119 32.8 26.1 39.1



#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 11.476 min Scan# 3028
Delta R.T. -0.003 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 91 Resp: 1565
Ion Ratio Lower Upper
91 100
106 32.6 25.5 38.3

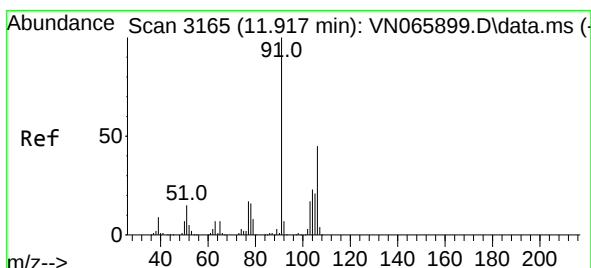
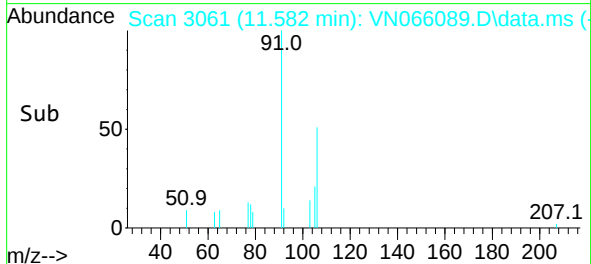
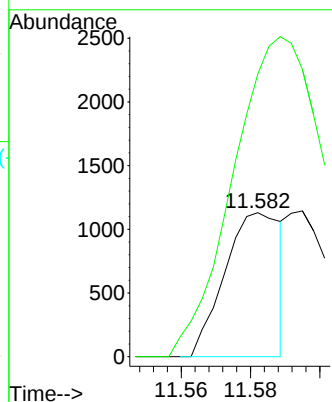
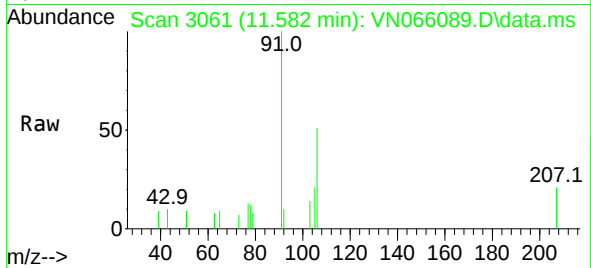




#68
m/p-Xylenes
Concen: 0.51 ug/l
RT: 11.582 min Scan# 3061
Delta R.T. -0.010 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

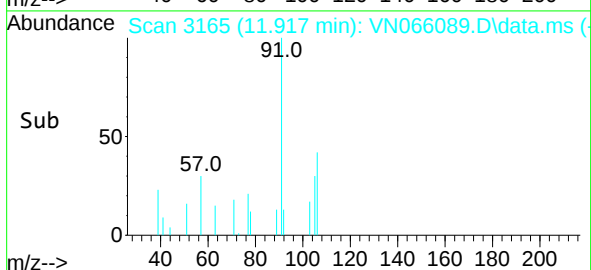
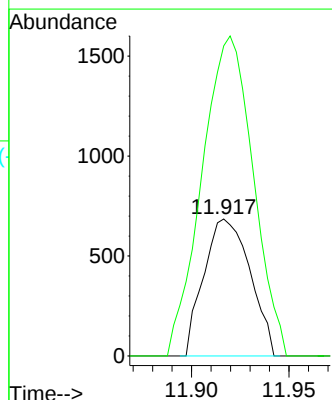
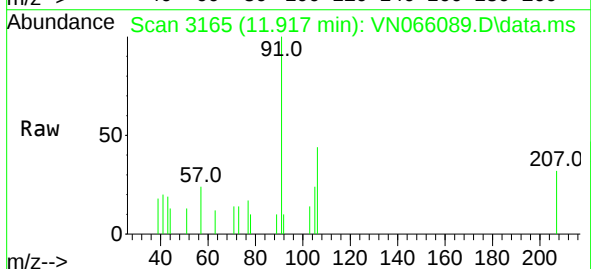
Instrument :
MSVOA_N
ClientSampled :
41701

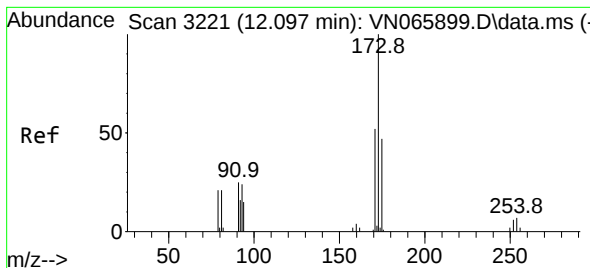
Tgt Ion:106 Resp: 1267
Ion Ratio Lower Upper
106 100
91 383.2 161.4 242.0#



#69
o-Xylene
Concen: 0.47 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion:106 Resp: 1130
Ion Ratio Lower Upper
106 100
91 258.7 106.8 320.4





#71

Bromoform

Concen: 2.59 ug/l

RT: 12.360 min Scan# 3303

Delta R.T. 0.263 min

Lab File: VN066089.D

Acq: 1 Mar 2021 20:15

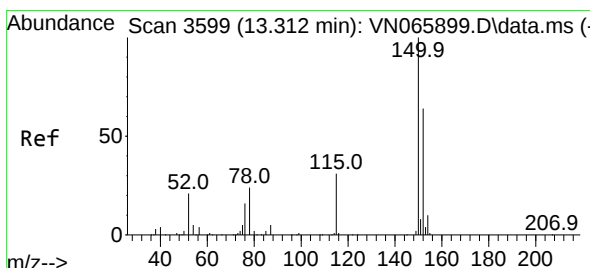
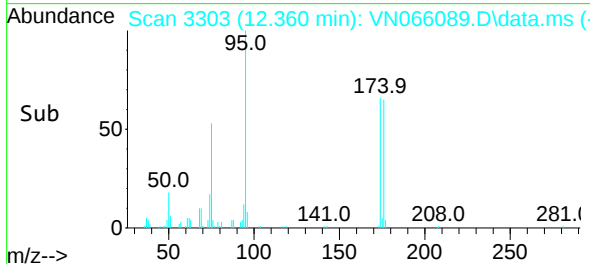
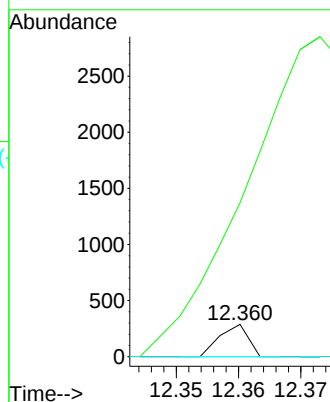
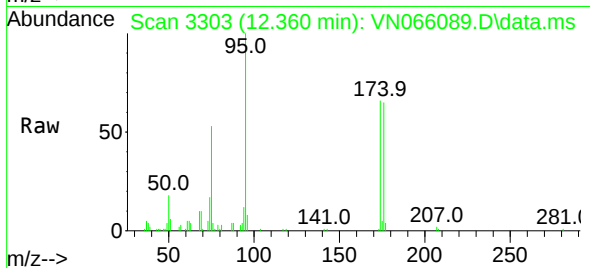
Tgt Ion:173 Resp: 92

Ion Ratio Lower Upper

173 100

175 4197.8 23.8 71.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.315 min Scan# 3600

Delta R.T. 0.003 min

Lab File: VN066089.D

Acq: 1 Mar 2021 20:15

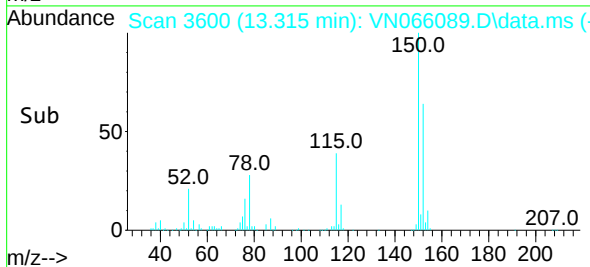
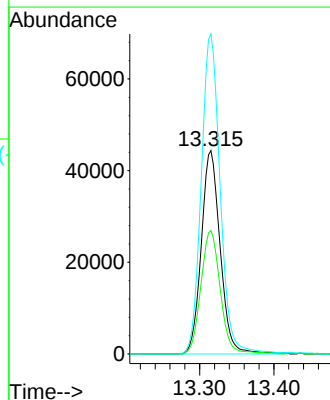
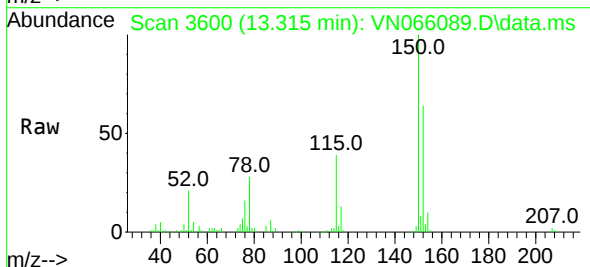
Tgt Ion:152 Resp: 78543

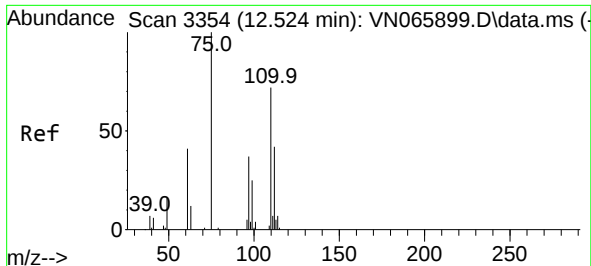
Ion Ratio Lower Upper

152 100

115 61.8 28.5 85.6

150 157.5 0.0 347.6

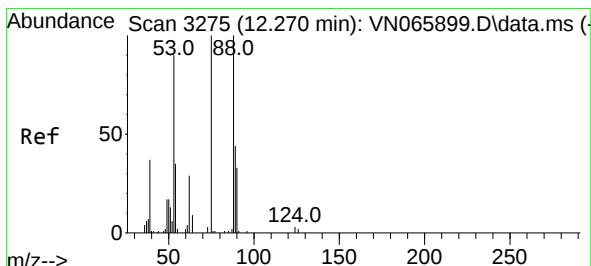
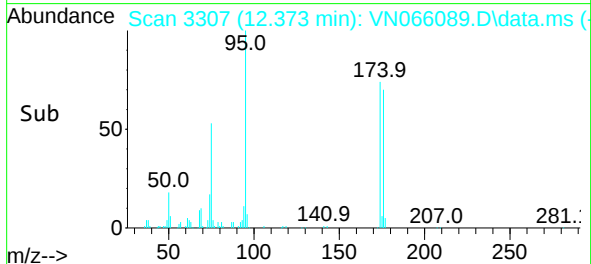
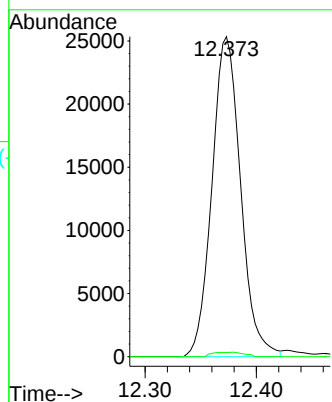
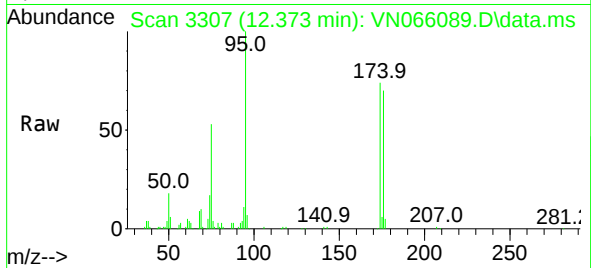




#76
1,2,3-Trichloropropane
Concen: 23.98 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

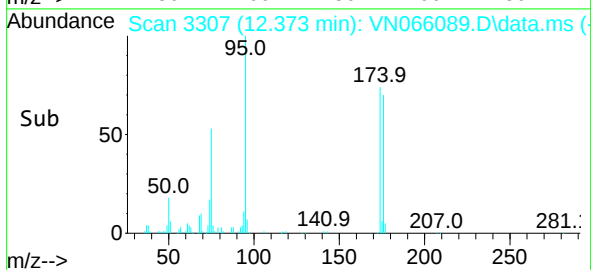
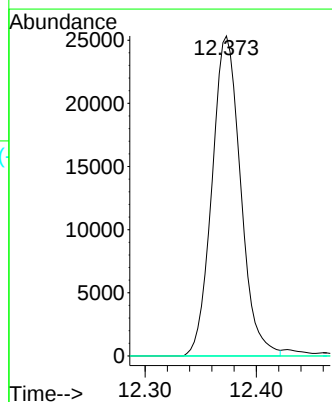
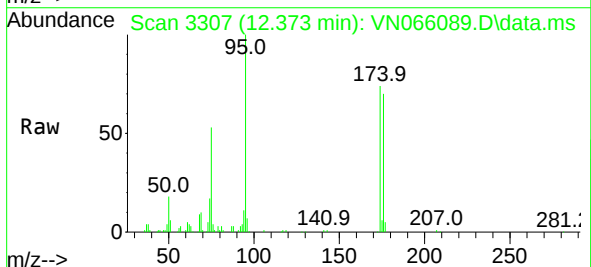
Instrument :
MSVOA_N
ClientSampled :
41701

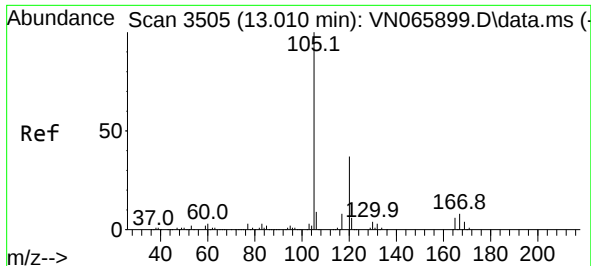
Tgt Ion: 75 Resp: 45243
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.42 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Tgt Ion: 75 Resp: 45243
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

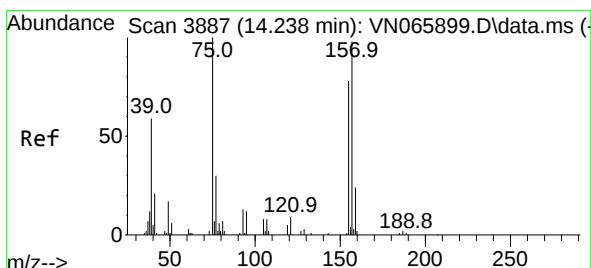
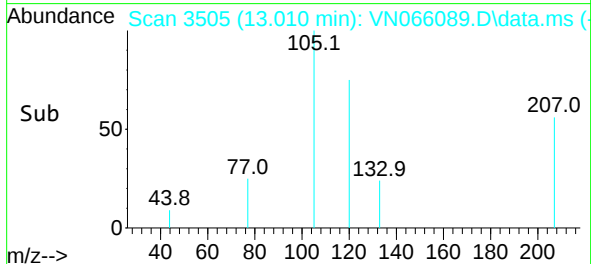
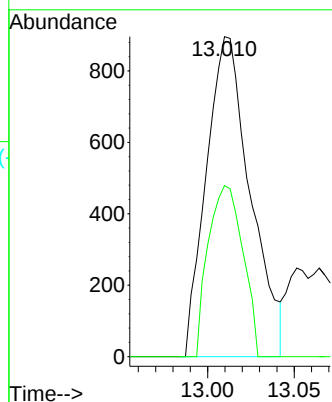
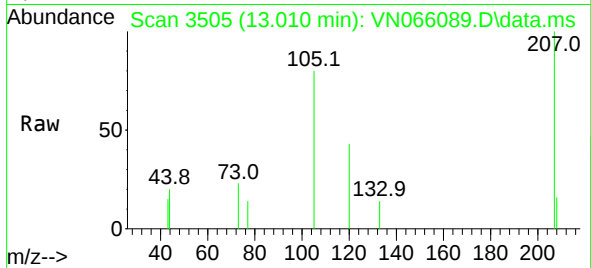




#84
1,2,4-Trimethylbenzene
Concen: 0.29 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

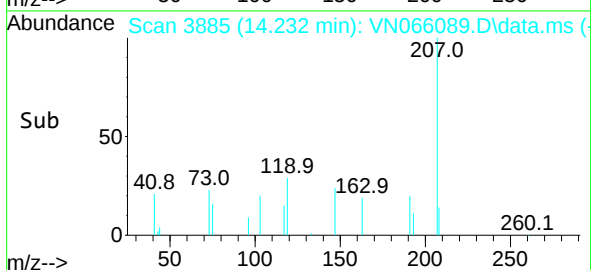
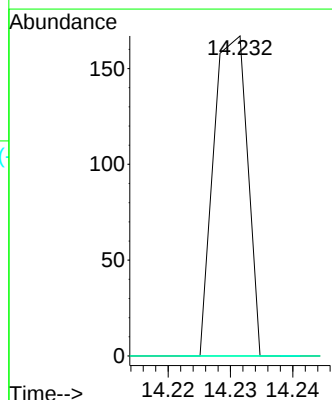
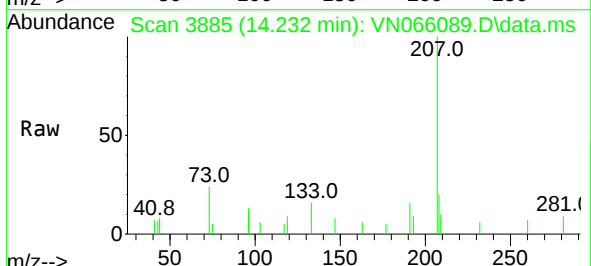
Instrument :
MSVOA_N
ClientSampled :
41701

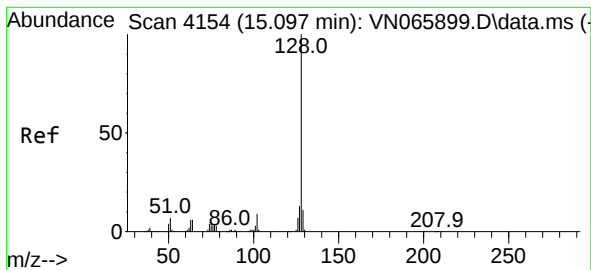
Tgt Ion:105 Resp: 1583
Ion Ratio Lower Upper
105 100
120 41.8 22.4 67.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.01 ug/l
RT: 14.232 min Scan# 3885
Delta R.T. -0.006 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

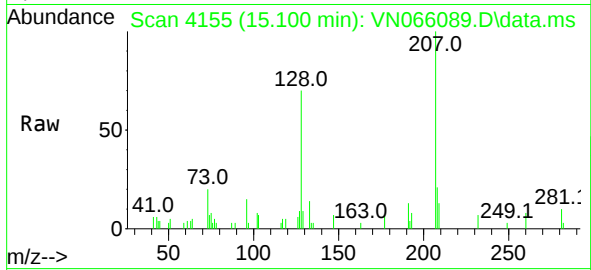
Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 4.61 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN066089.D
Acq: 1 Mar 2021 20:15

Instrument :
MSVOA_N
ClientSampleId :
41701



Tgt Ion:	128	Resp:	7548
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	12.5	8.6	13.0

