

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066941.D
 Acq On : 4 May 2021 17:28
 Operator : JC/MD
 Sample : PB136139ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

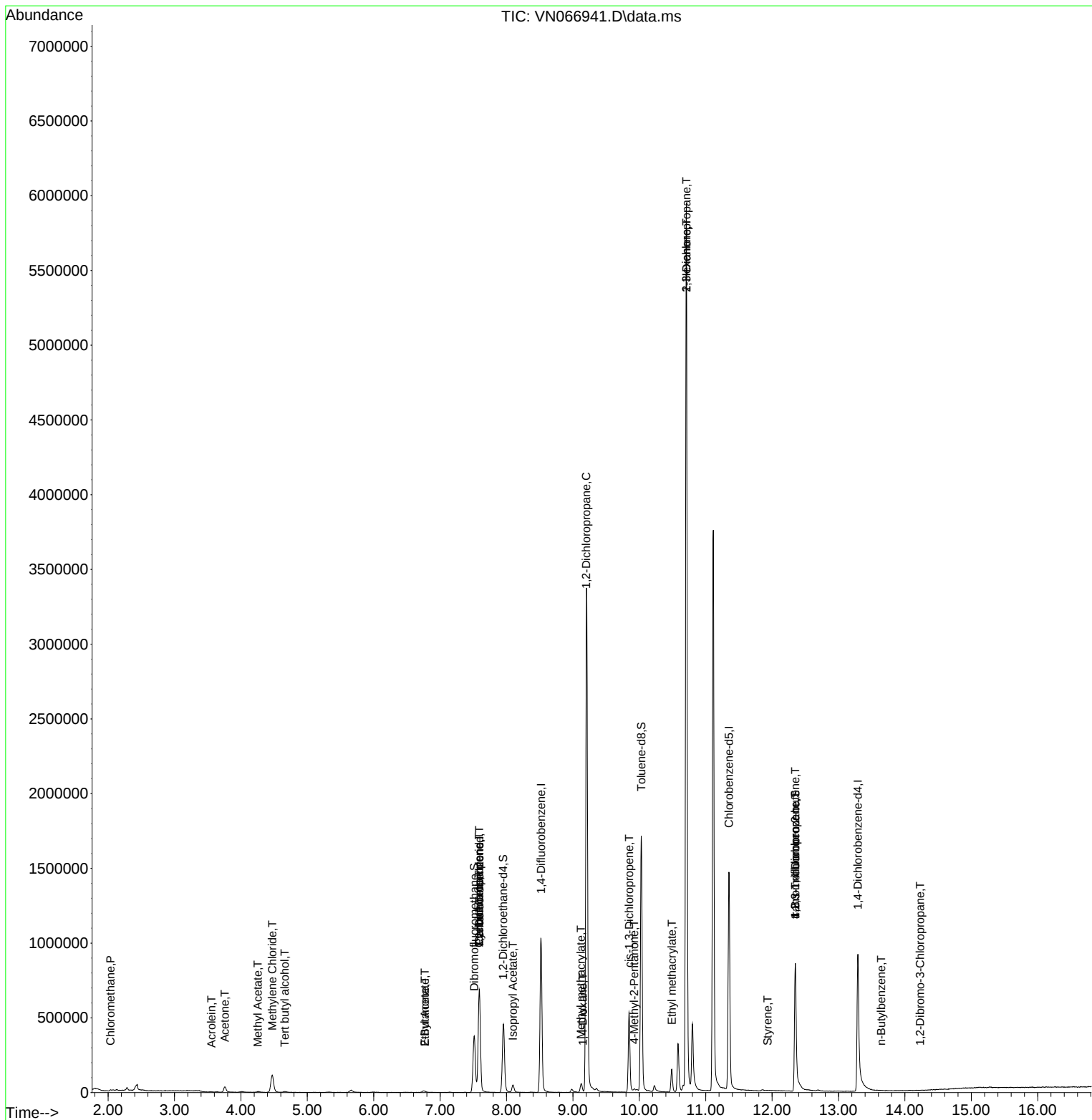
Quant Time: May 05 05:25:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 13:11:03 2021
 Response via : Initial Calibration

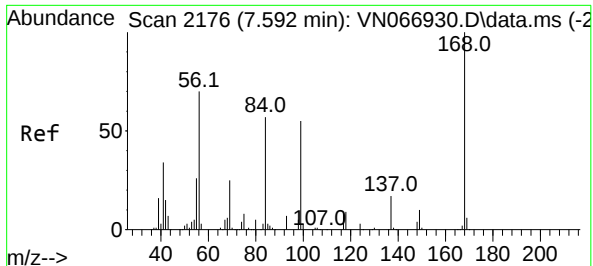
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.592	168	531099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	890648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	849688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	309860	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	412962	49.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.80%		
35) Dibromofluoromethane	7.514	113	294038	48.62	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.24%		
50) Toluene-d8	10.030	98	1180844	51.27	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.54%		
62) 4-Bromofluorobenzene	12.350	95	380683	48.81	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.62%		
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2476	0.24	ug/l	93
11) Tert butyl alcohol	4.661	59	3138	2.66	ug/l #	73
13) Acrolein	3.556	56	536	0.55	ug/l #	21
16) Acetone	3.757	43	59662	20.29	ug/l	97
18) Methyl Acetate	4.253	43	2854	0.34	ug/l #	84
20) Methylene Chloride	4.473	84	84894	11.38	ug/l #	90
25) 2-Butanone	6.769	43	7776	1.79	ug/l #	86
31) Cyclohexane	7.587	56	12909	1.10	ug/l #	18
36) 1,1-Dichloropropene	7.587	75	45835	4.94	ug/l #	48
37) Ethyl Acetate	6.769	43	7776	0.82	ug/l #	68
38) Carbon Tetrachloride	7.589	117	54124	5.60	ug/l #	17
43) Isopropyl Acetate	8.096	43	60923	3.97	ug/l #	89
45) 1,2-Dichloropropane	9.201	63	4434	0.55	ug/l #	44
48) Methyl methacrylate	9.124	41	14443	2.12	ug/l #	10
49) 1,4-Dioxane	9.150	88	28	0.26	ug/l #	26
51) 4-Methyl-2-Pentanone	9.923	43	14508	1.64	ug/l	95
54) cis-1,3-Dichloropropene	9.845	75	98899	8.10	ug/l #	63
56) Ethyl methacrylate	10.489	69	1041	5.28	ug/l #	1
57) 1,3-Dichloropropane	10.709	76	60667	5.04	ug/l #	43
59) 2-Hexanone	10.709	43	857996	145.70	ug/l #	51
70) Styrene	11.932	104	101	4.72	ug/l #	25
76) 1,2,3-Trichloropropane	12.350	75	199579	27.04	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	199579	80.91	ug/l #	12
89) n-Butylbenzene	13.643	91	132	5.25	ug/l	79
92) 1,2-Dibromo-3-Chloropr...	14.227	75	446	0.30	ug/l #	1

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

Quant Time: May 05 05:25:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Tue May 04 13:11:03 2021
Response via : Initial Calibration

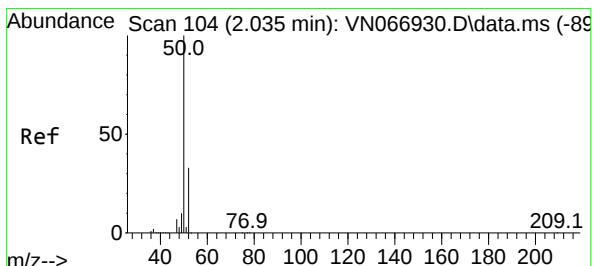
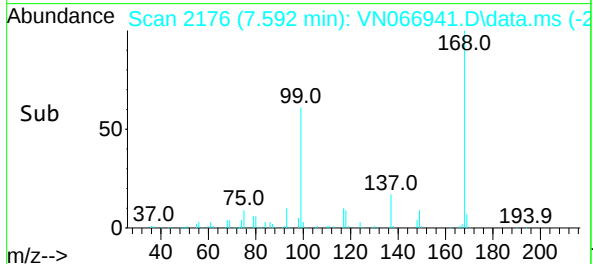
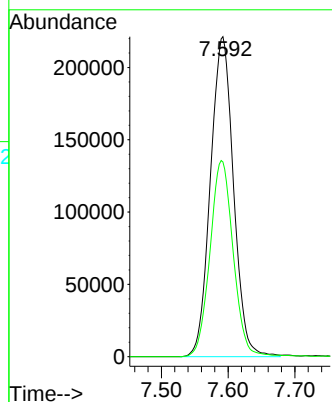
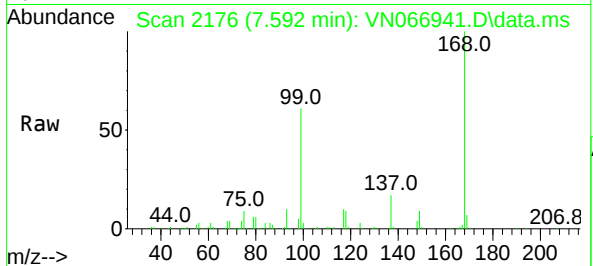




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

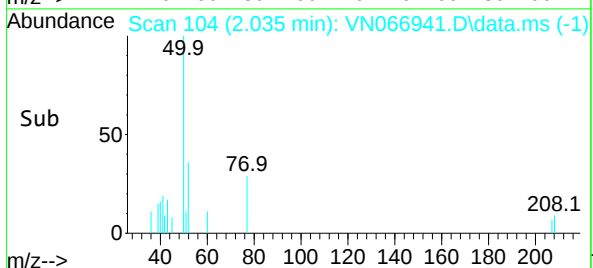
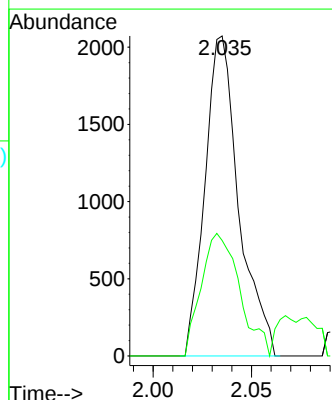
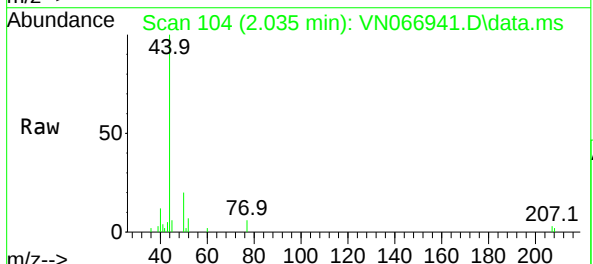
Instrument :
MSVOA_N
ClientSampleId :

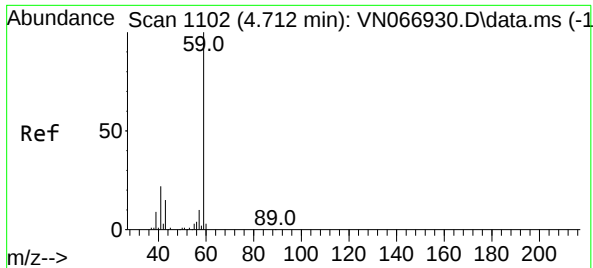
Tgt Ion:168 Resp: 531099
Ion Ratio Lower Upper
168 100
99 60.8 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Tgt Ion: 50 Resp: 2476
Ion Ratio Lower Upper
50 100
52 36.1 25.8 38.8

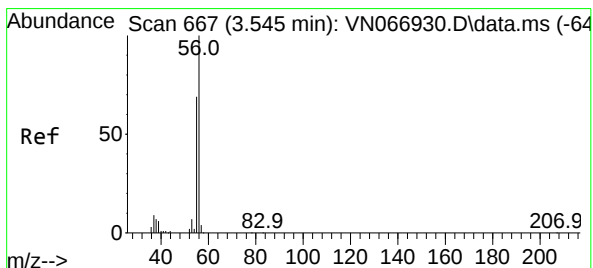
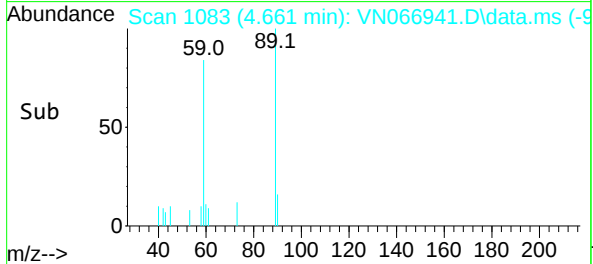
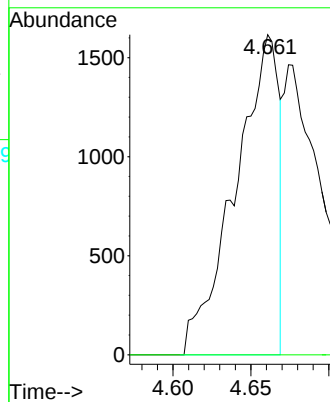
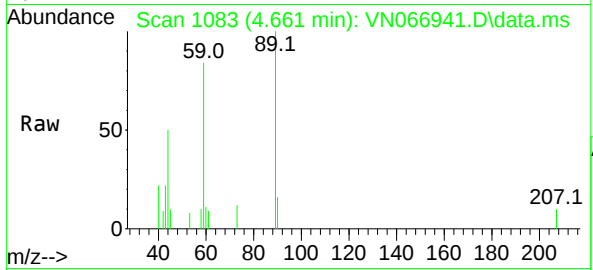




#11
Tert butyl alcohol
Concen: 2.66 ug/l
RT: 4.661 min Scan# 1083
Delta R.T. -0.051 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

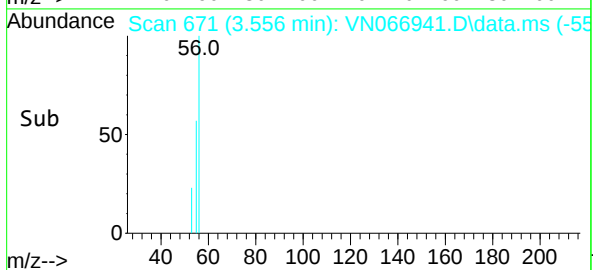
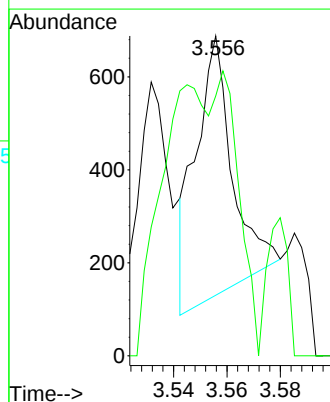
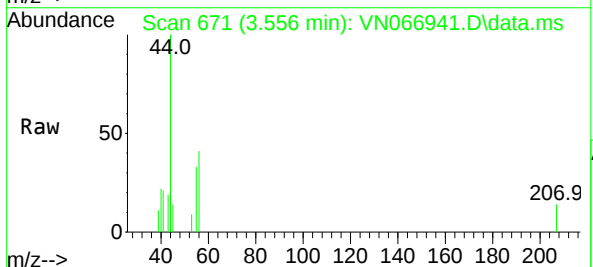
Instrument :
MSVOA_N
ClientSampled :

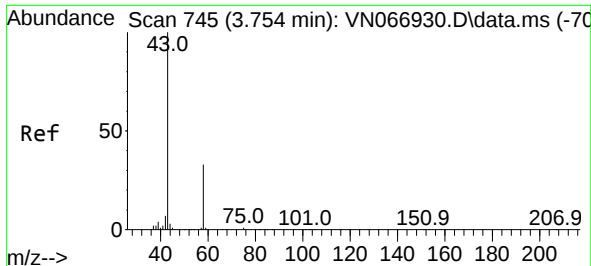
Tgt Ion: 59 Resp: 3138
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 0.55 ug/l
RT: 3.556 min Scan# 671
Delta R.T. 0.011 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

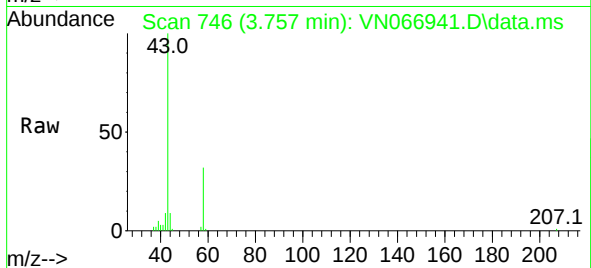
Tgt Ion: 56 Resp: 536
Ion Ratio Lower Upper
56 100
55 135.1 56.0 84.0#



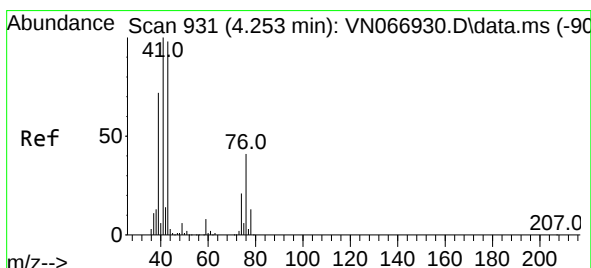
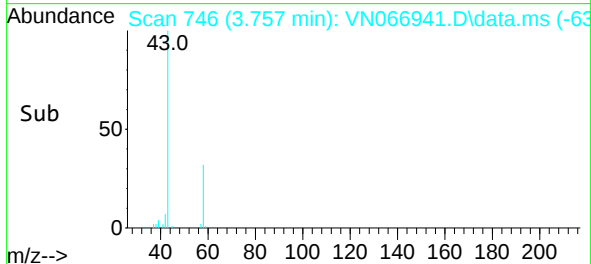
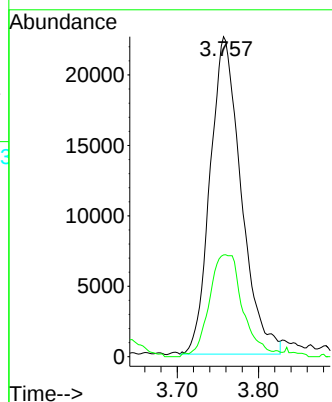


#16
Acetone
Concen: 20.29 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Instrument :
MSVOA_N
ClientSampled :

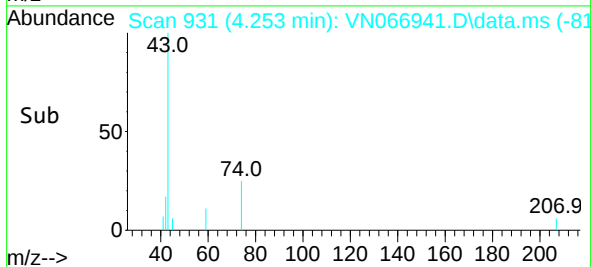
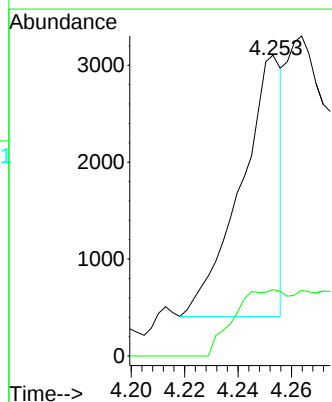
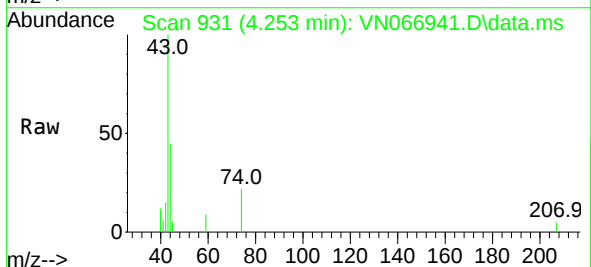


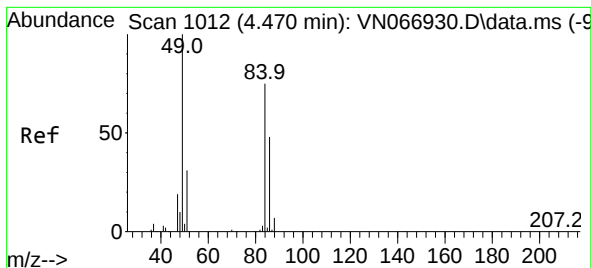
Tgt Ion: 43 Resp: 59662
Ion Ratio Lower Upper
43 100
58 32.1 27.0 40.6



#18
Methyl Acetate
Concen: 0.34 ug/l
RT: 4.253 min Scan# 931
Delta R.T. 0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
74 32.6 19.5 29.3#





#20

Methylene Chloride

Concen: 11.38 ug/l

RT: 4.473 min Scan# 1013

Delta R.T. 0.003 min

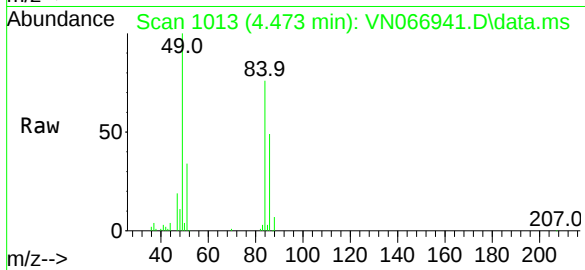
Lab File: VN066941.D

Acq: 4 May 2021 17:28

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 84894

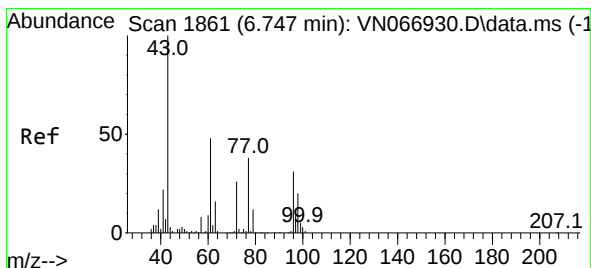
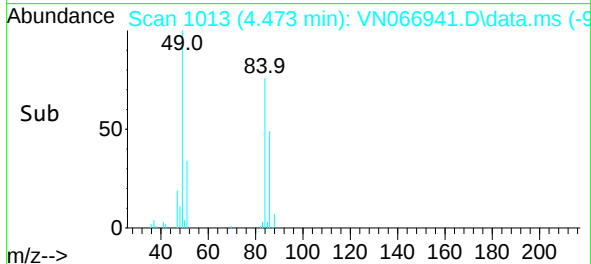
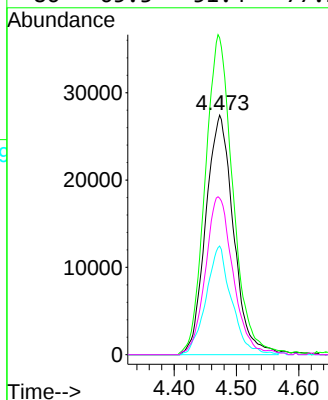
Ion Ratio Lower Upper

84 100

49 132.3 94.6 141.8

51 45.4 29.9 44.9#

86 65.3 51.4 77.2



#25

2-Butanone

Concen: 1.79 ug/l

RT: 6.769 min Scan# 1869

Delta R.T. 0.022 min

Lab File: VN066941.D

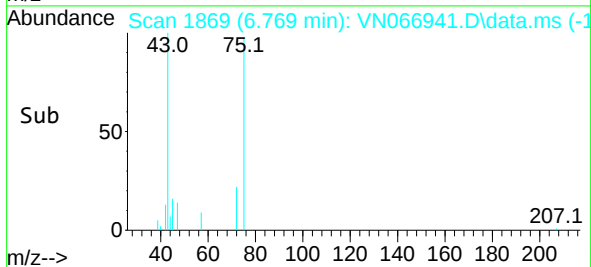
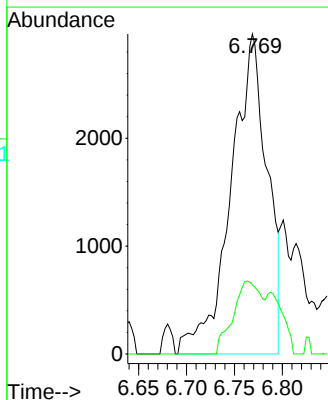
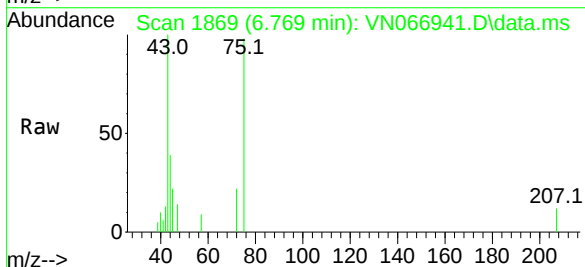
Acq: 4 May 2021 17:28

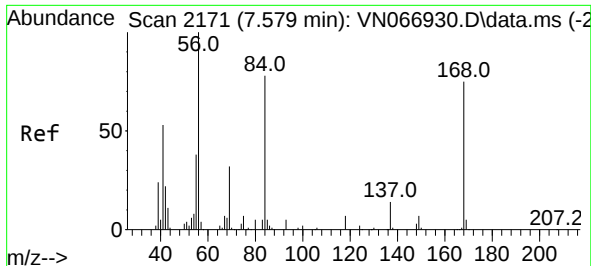
Tgt Ion: 43 Resp: 7776

Ion Ratio Lower Upper

43 100

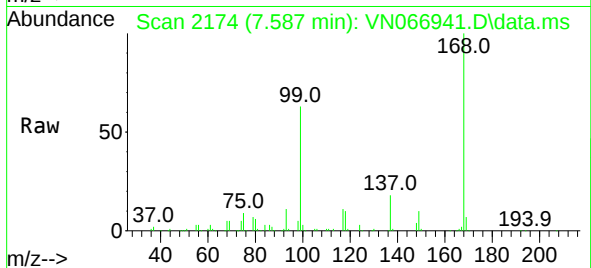
72 21.7 23.1 34.7#



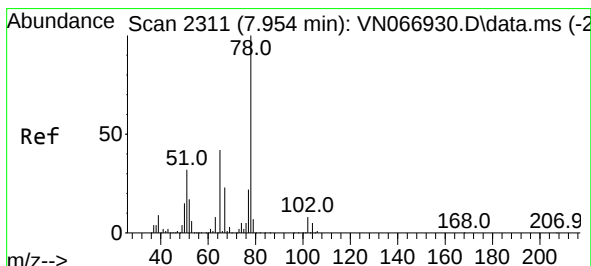
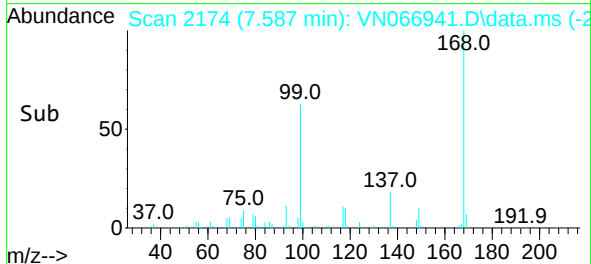
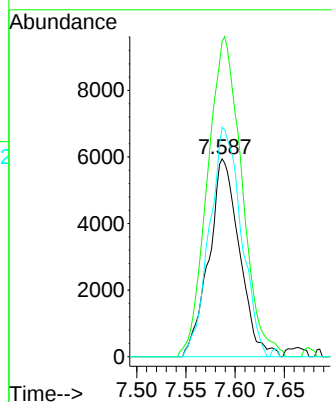


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Instrument :
MSVOA_N
ClientSampleId :

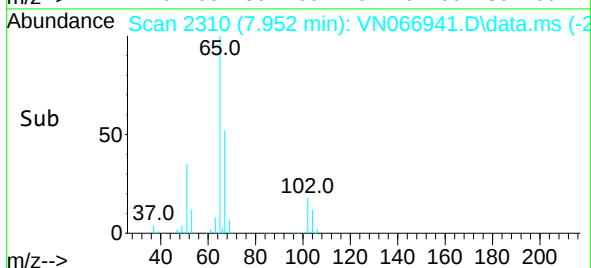
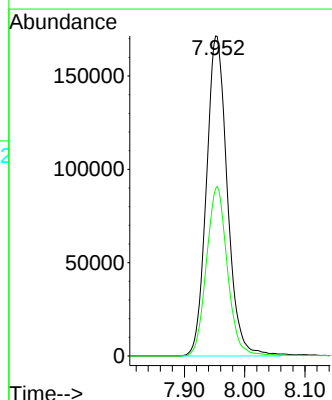
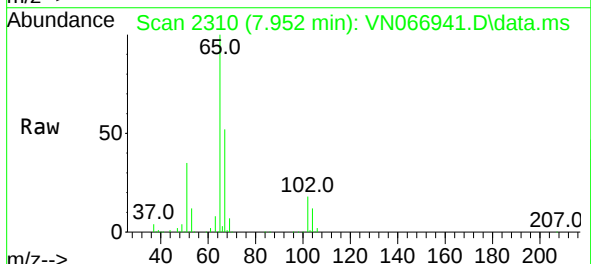


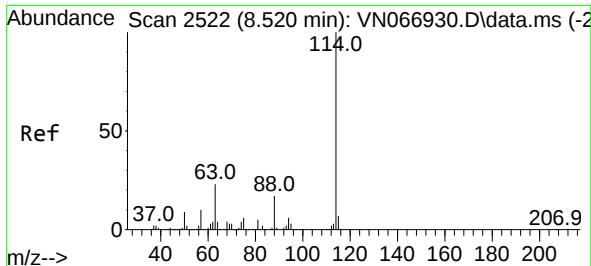
Tgt Ion: 56 Resp: 12909
Ion Ratio Lower Upper
56 100
69 156.9 26.6 39.8#
84 115.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.40 ug/l
RT: 7.952 min Scan# 2310
Delta R.T. -0.002 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

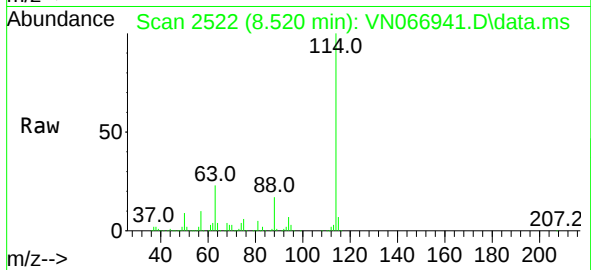
Tgt Ion: 65 Resp: 412962
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



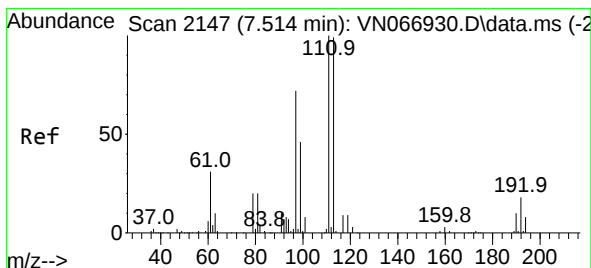
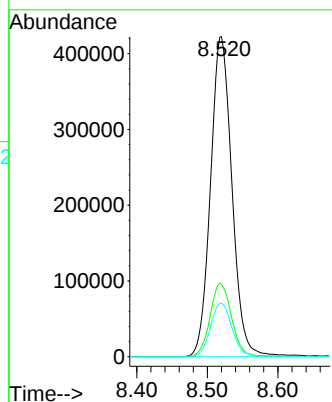
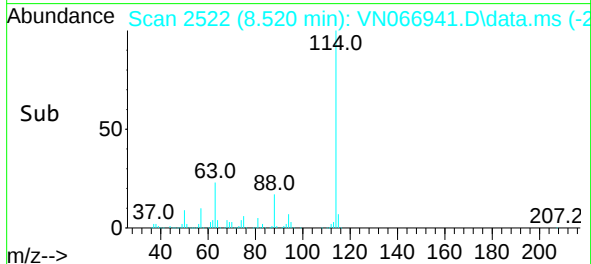


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

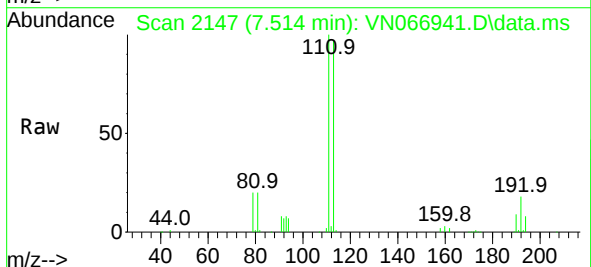
Instrument :
MSVOA_N
ClientSampleId :



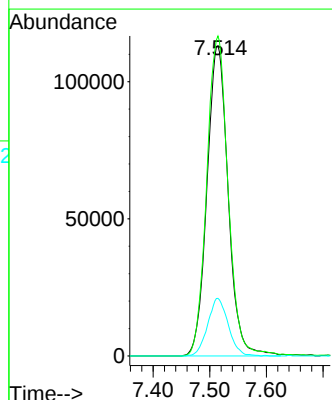
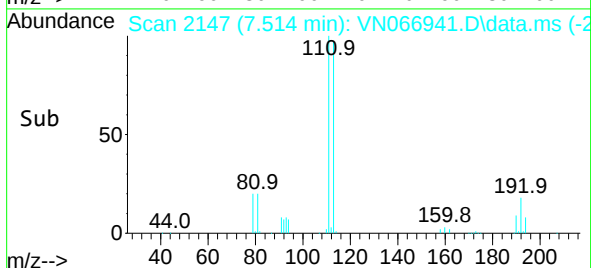
Tgt Ion:114 Resp: 890648
Ion Ratio Lower Upper
114 100
63 22.7 0.0 38.6
88 16.7 0.0 30.6

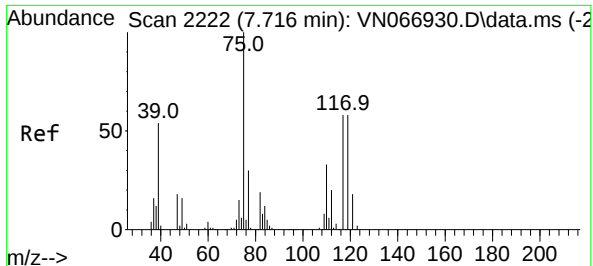


#35
Dibromofluoromethane
Concen: 48.62 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28



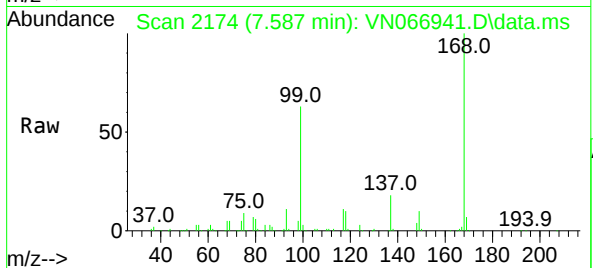
Tgt Ion:113 Resp: 294038
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.0 15.4 23.0



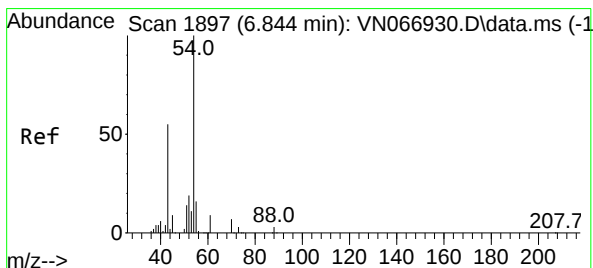
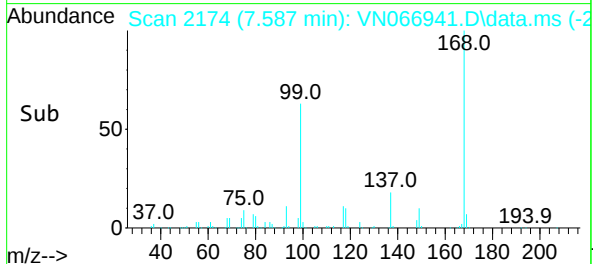
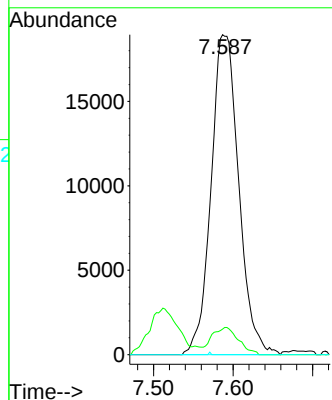


#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.129 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Instrument :
MSVOA_N
ClientSampleId :

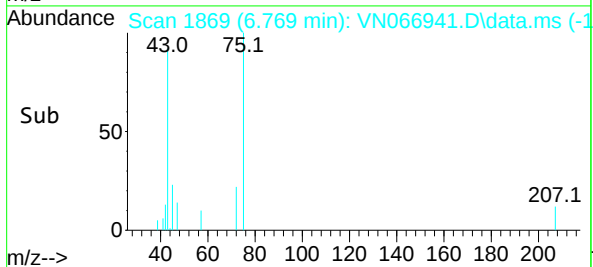
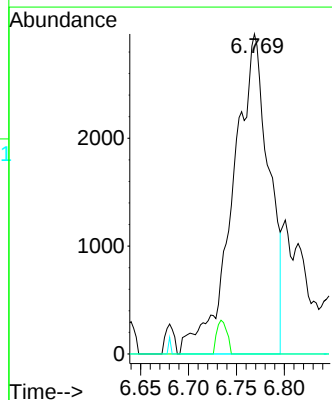
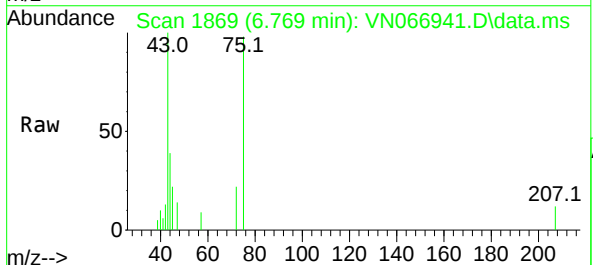


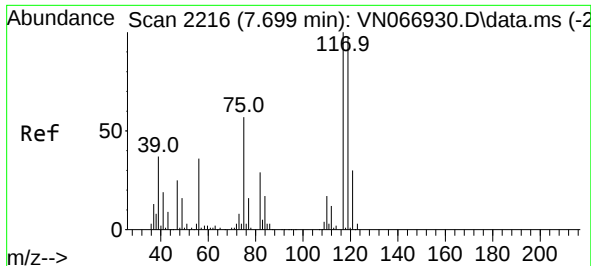
Tgt Ion: 75 Resp: 45835
Ion Ratio Lower Upper
75 100
110 8.2 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.82 ug/l
RT: 6.769 min Scan# 1869
Delta R.T. -0.075 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

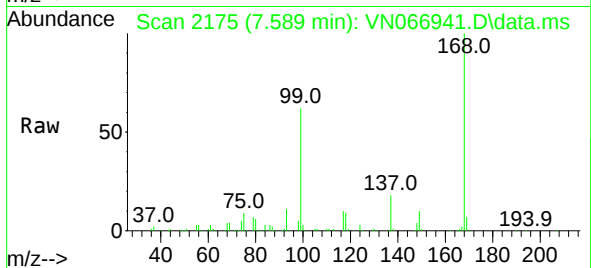
Tgt Ion: 43 Resp: 7776
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



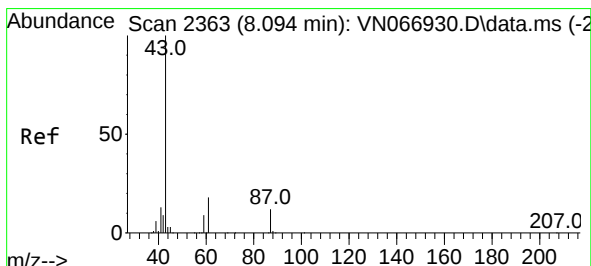
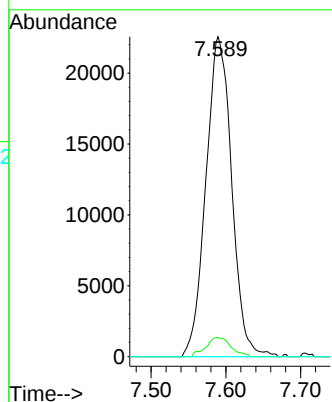
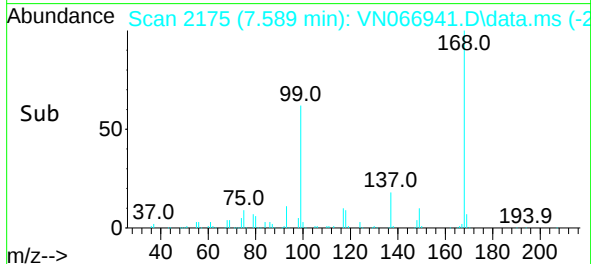


#38
Carbon Tetrachloride
Concen: 5.60 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.110 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

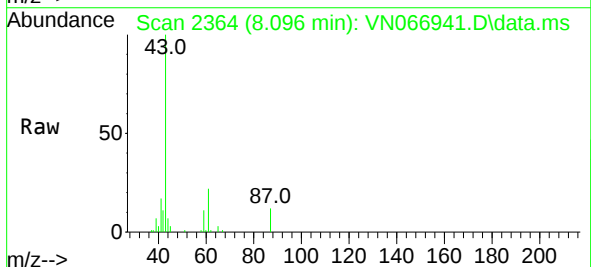
Instrument :
MSVOA_N
ClientSampled :



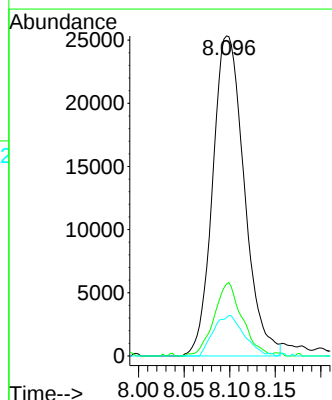
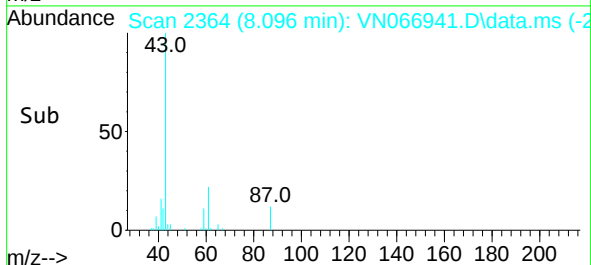
Tgt Ion:117 Resp: 54124
Ion Ratio Lower Upper
117 100
119 6.0 76.0 114.0#
121 0.0 24.5 36.7#

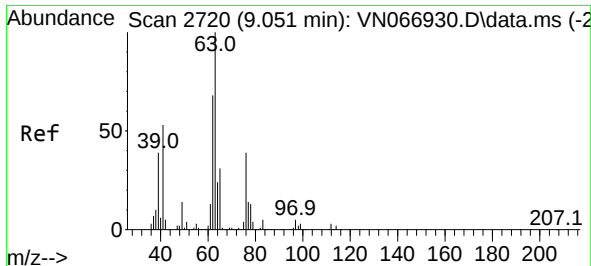


#43
Isopropyl Acetate
Concen: 3.97 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28



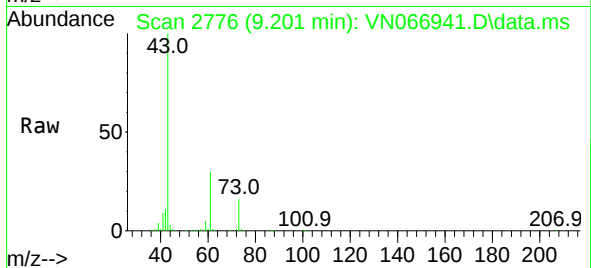
Tgt Ion: 43 Resp: 60923
Ion Ratio Lower Upper
43 100
61 20.4 22.5 33.7#
87 12.3 11.1 16.7



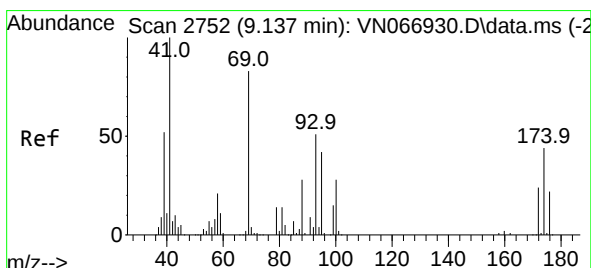
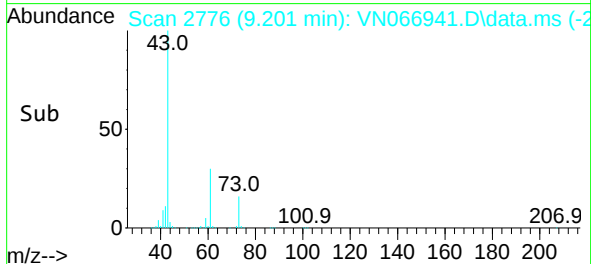
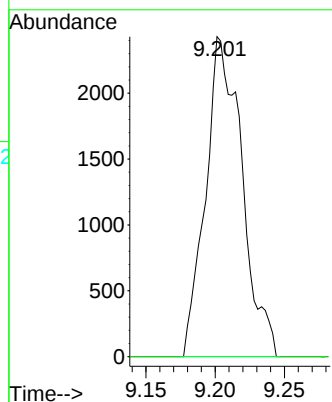


#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 9.201 min Scan# 2776
Delta R.T. 0.150 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Instrument :
MSVOA_N
ClientSampled :

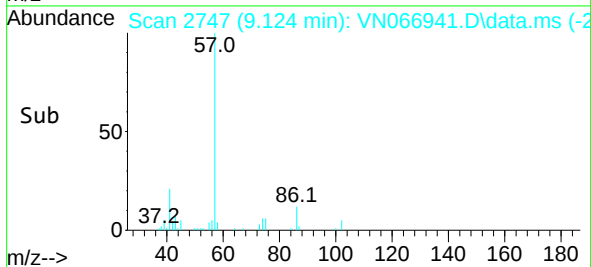
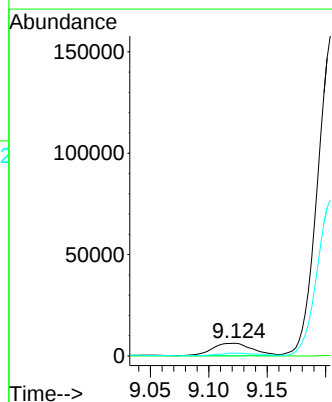
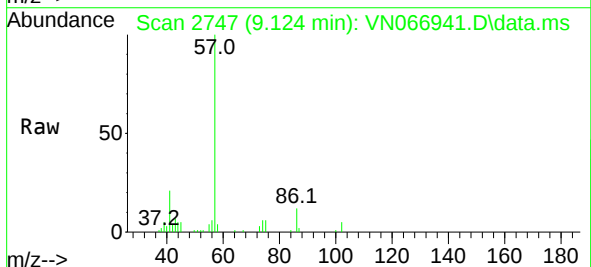


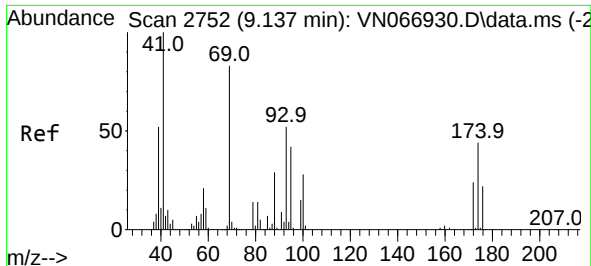
Tgt Ion: 63 Resp: 4434
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.12 ug/l
RT: 9.124 min Scan# 2747
Delta R.T. -0.013 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

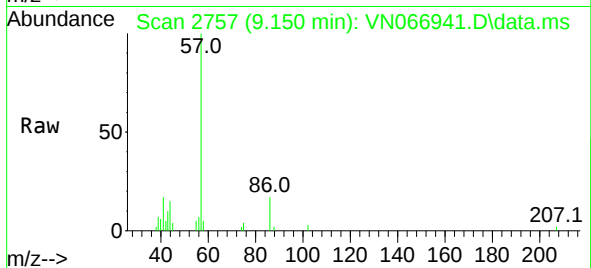
Tgt Ion: 41 Resp: 14443
Ion Ratio Lower Upper
41 100
69 0.3 75.9 113.9#
39 0.0 46.6 69.8#



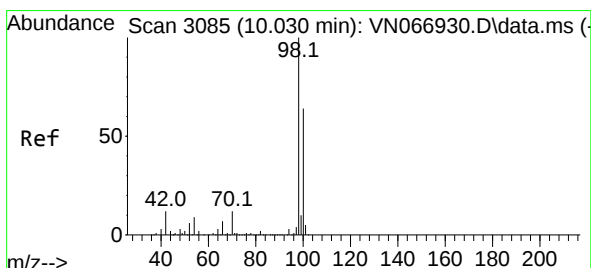
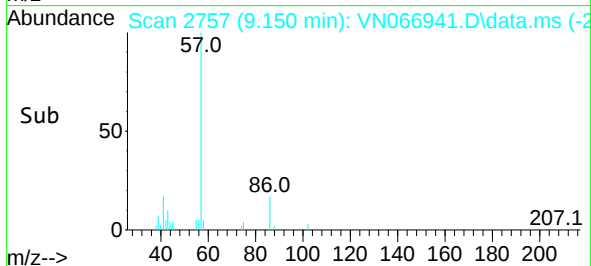
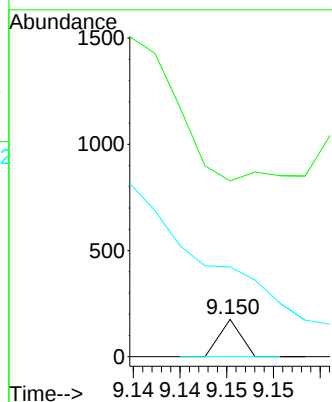


#49
1,4-Dioxane
Concen: 0.26 ug/l
RT: 9.150 min Scan# 2757
Delta R.T. 0.013 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Instrument :
MSVOA_N
ClientSampled :

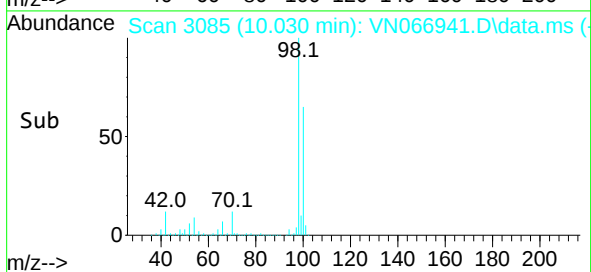
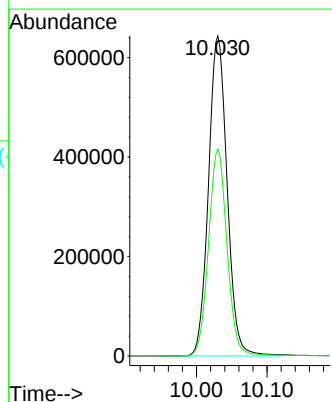
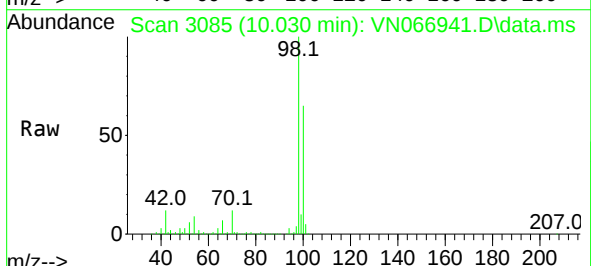


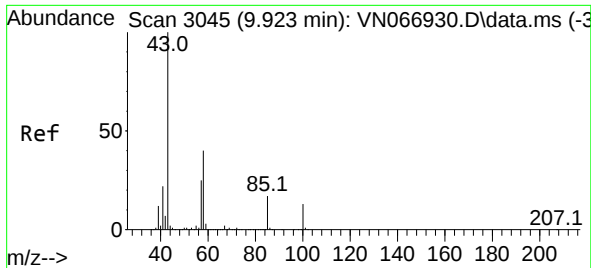
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 51.27 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Tgt Ion: 98 Resp: 1180844
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7

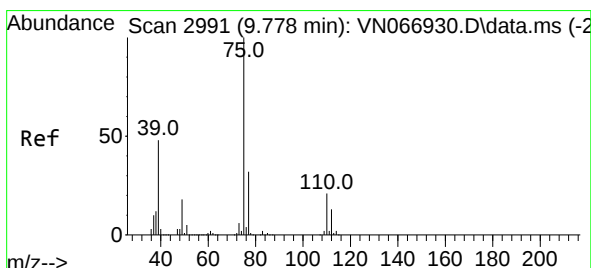
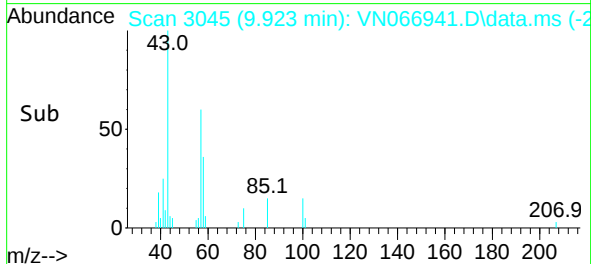
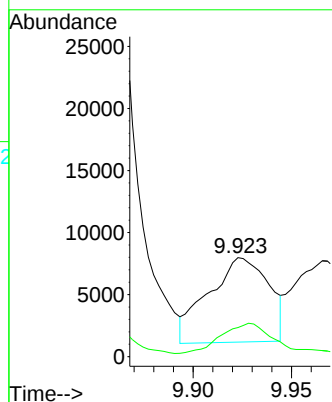
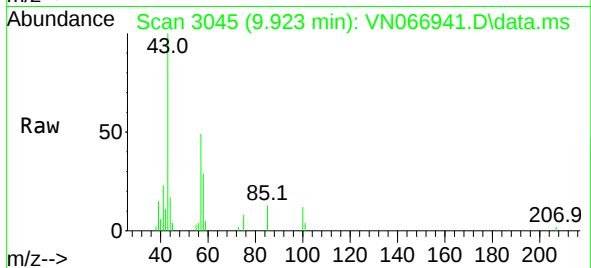




#51
4-Methyl-2-Pentanone
Concen: 1.64 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

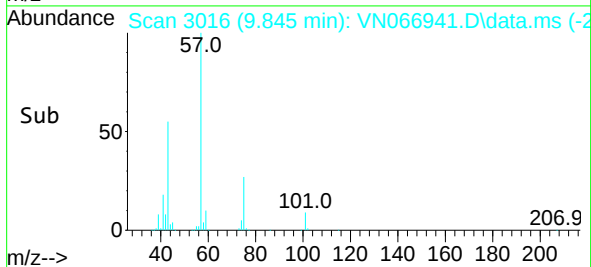
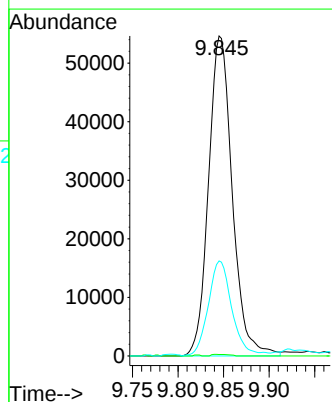
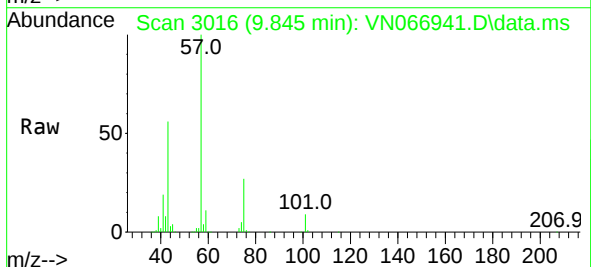
Instrument :
MSVOA_N
ClientSampleId :

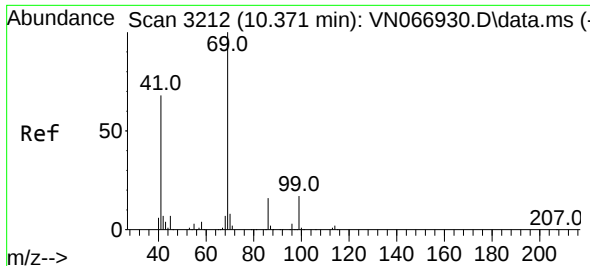
Tgt Ion: 43 Resp: 14508
Ion Ratio Lower Upper
43 100
58 37.5 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.10 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

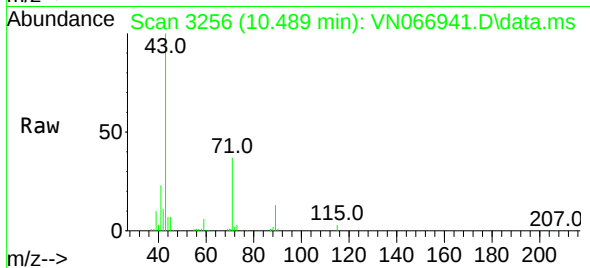
Tgt Ion: 75 Resp: 98899
Ion Ratio Lower Upper
75 100
77 0.5 24.9 37.3#
39 29.4 36.2 54.4#



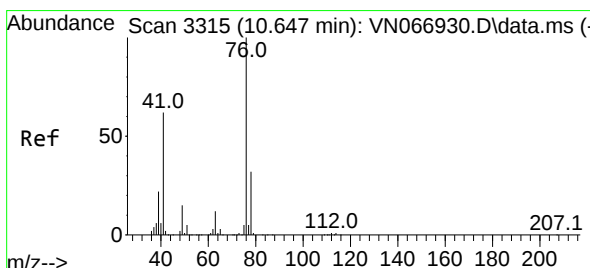
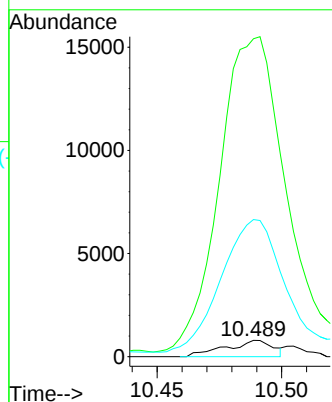
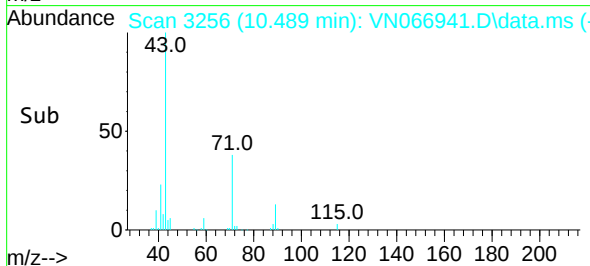


#56
Ethyl methacrylate
Concen: 5.28 ug/l
RT: 10.489 min Scan# 3256
Delta R.T. 0.118 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

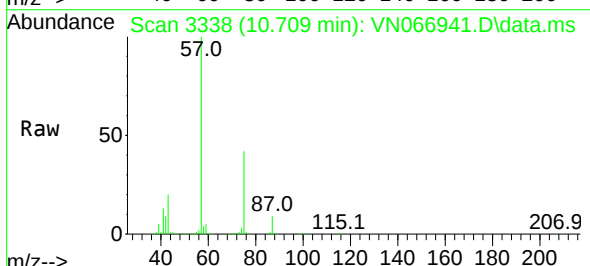
Instrument :
MSVOA_N
ClientSampled :



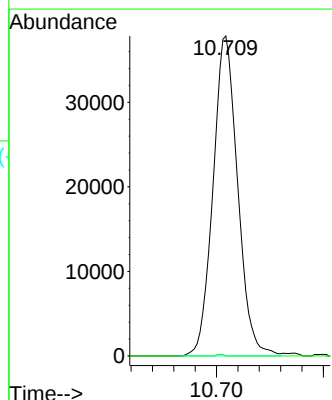
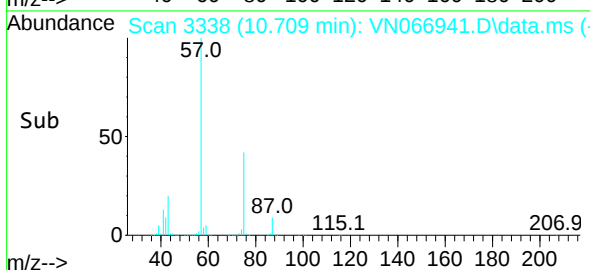
Tgt Ion: 69 Resp: 1041
Ion Ratio Lower Upper
69 100
41 2786.7 49.6 74.4#
39 1111.0 28.0 42.0#

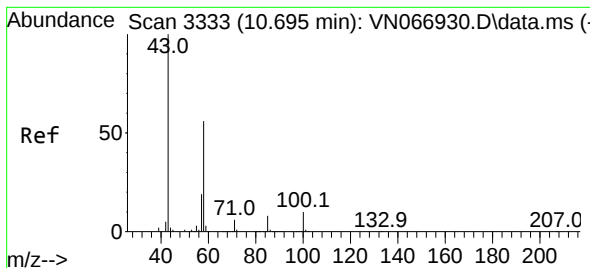


#57
1,3-Dichloropropane
Concen: 5.04 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28



Tgt Ion: 76 Resp: 60667
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

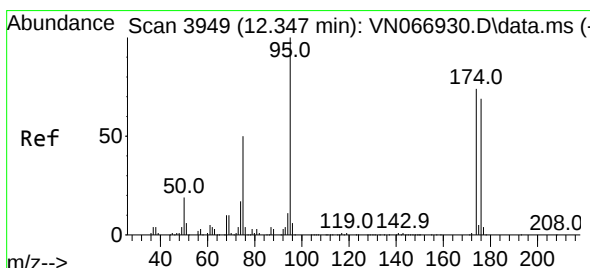
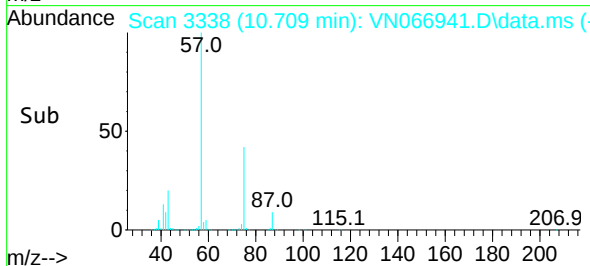
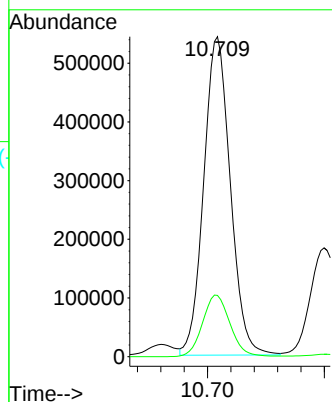
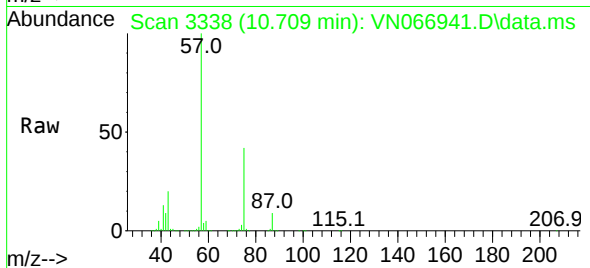




#59
2-Hexanone
Concen: 145.70 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

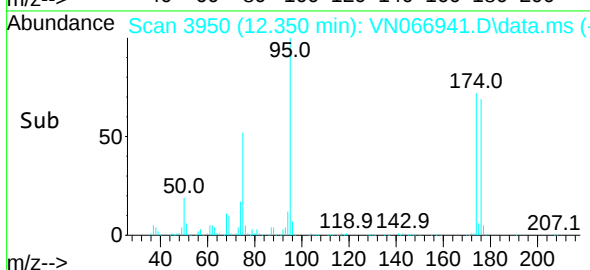
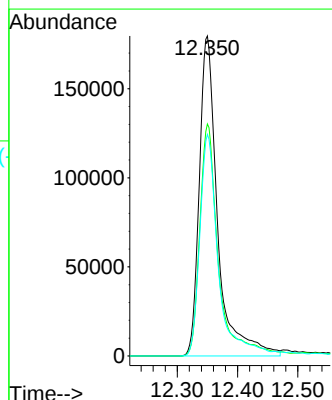
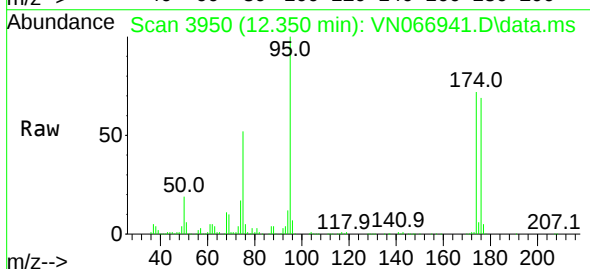
Instrument :
MSVOA_N
ClientSampleId :

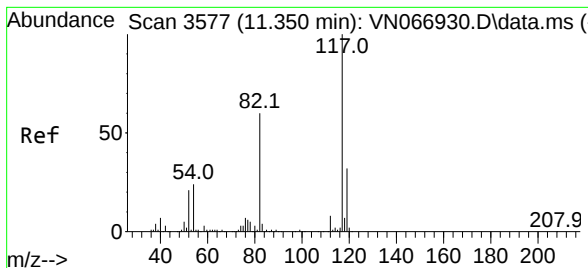
Tgt Ion: 43 Resp: 857996
Ion Ratio Lower Upper
43 100
58 20.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.81 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Tgt Ion: 95 Resp: 380683
Ion Ratio Lower Upper
95 100
174 73.1 0.0 169.0
176 69.5 0.0 162.4

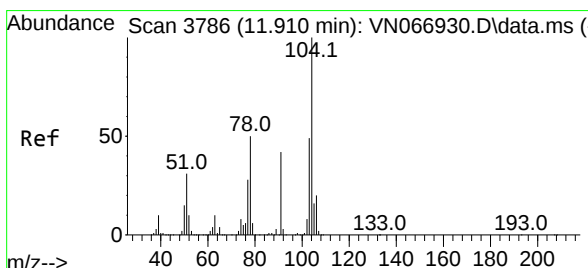
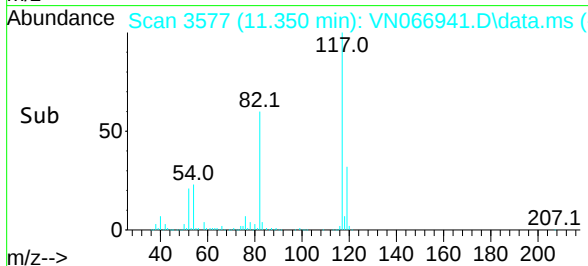
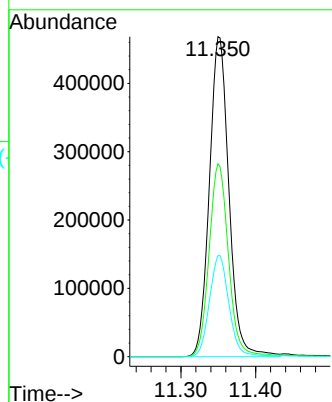
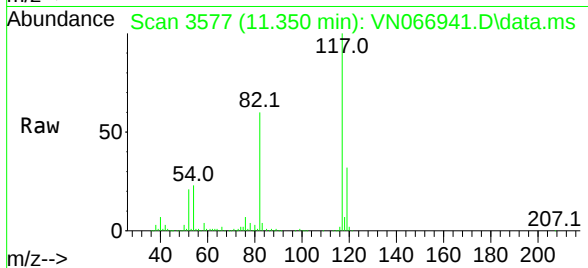




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

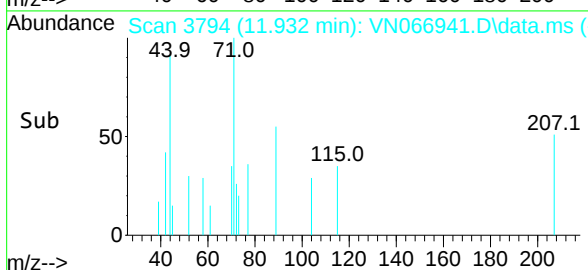
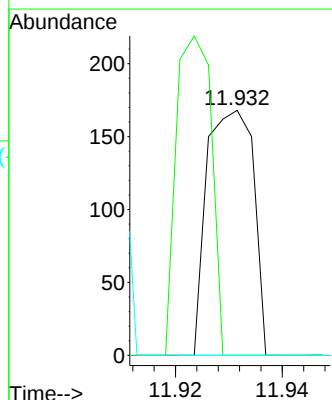
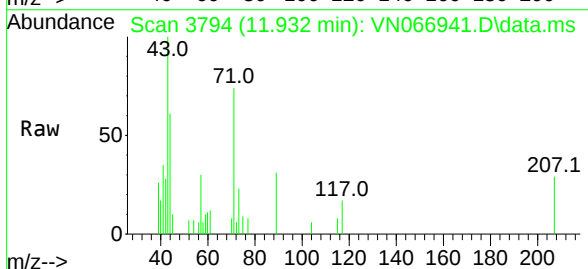
Instrument :
MSVOA_N
ClientSampled :

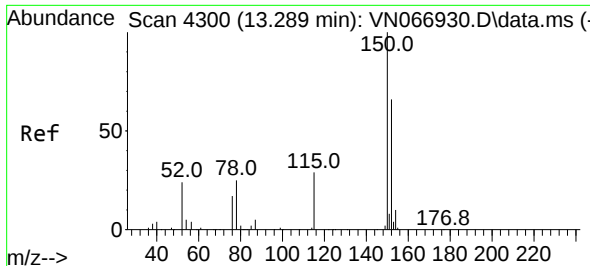
Tgt Ion:117 Resp: 849688
Ion Ratio Lower Upper
117 100
82 60.3 43.7 65.5
119 31.6 26.1 39.1



#70
Styrene
Concen: 4.72 ug/l
RT: 11.932 min Scan# 3794
Delta R.T. 0.022 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Tgt Ion:104 Resp: 101
Ion Ratio Lower Upper
104 100
78 99.0 39.0 58.4#
103 0.0 44.5 66.7#

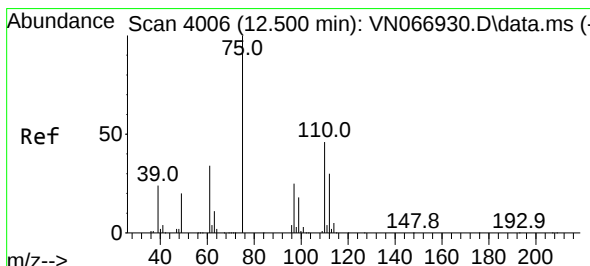
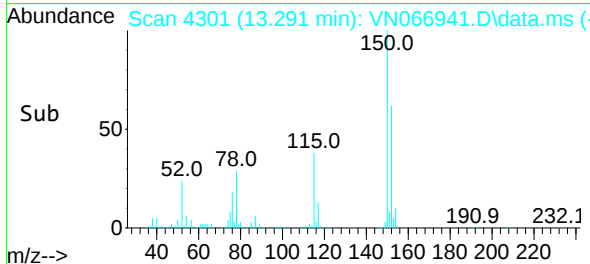
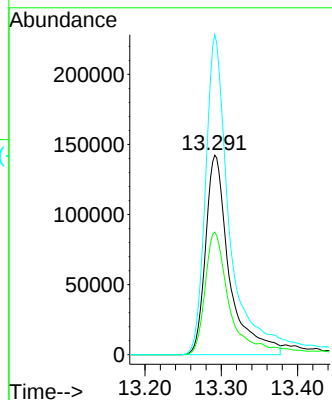
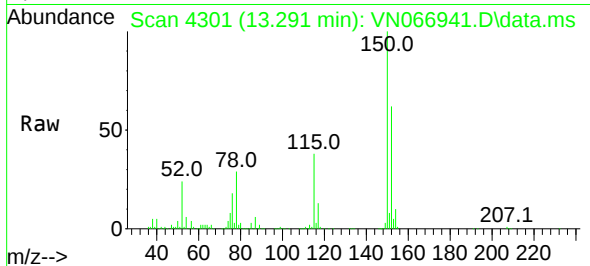




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

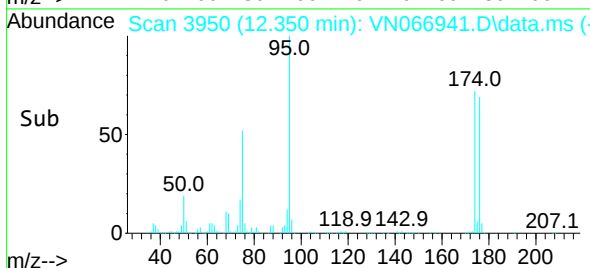
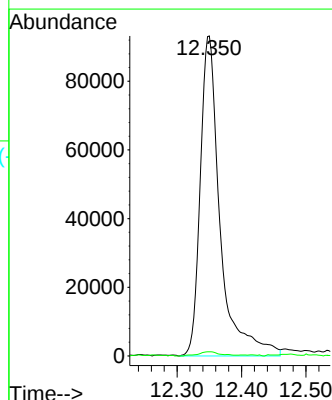
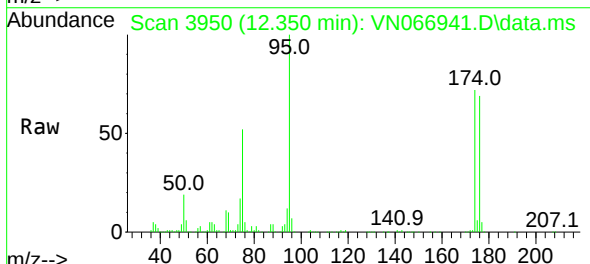
Instrument :
MSVOA_N
ClientSampleId :

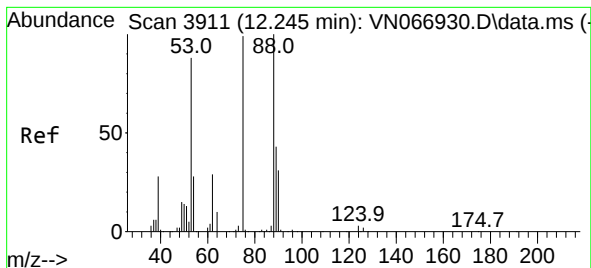
Tgt Ion:152 Resp: 309860
Ion Ratio Lower Upper
152 100
115 61.0 28.5 85.6
150 164.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 27.04 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

Tgt Ion: 75 Resp: 199579
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

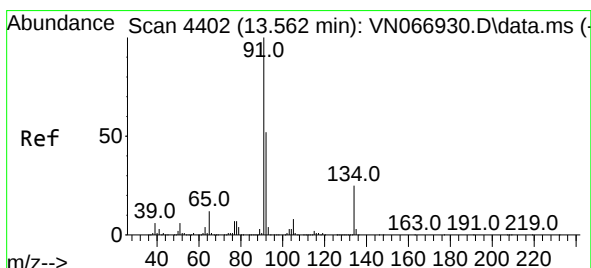
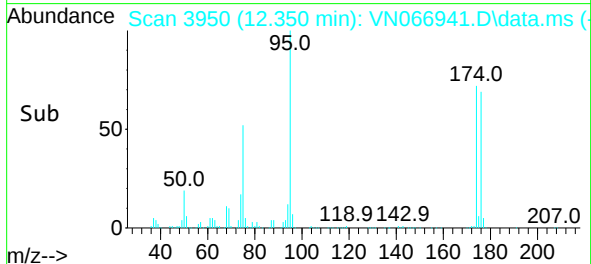
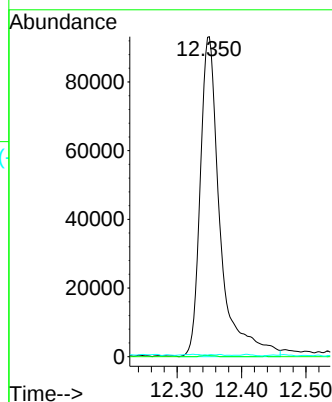
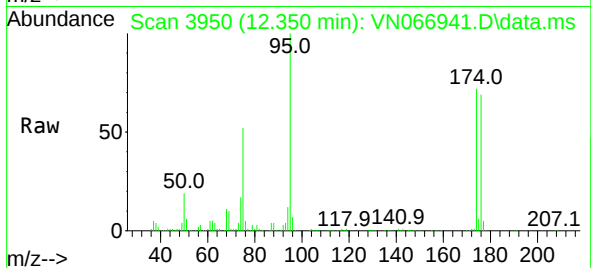




#81
trans-1,4-Dichloro-2-butene
Concen: 80.91 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

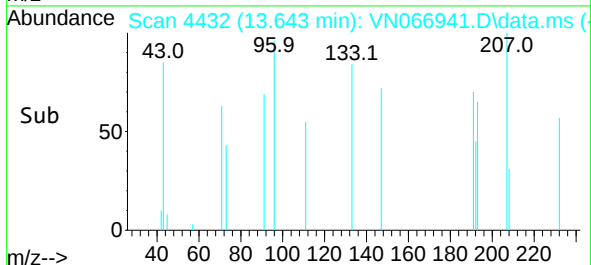
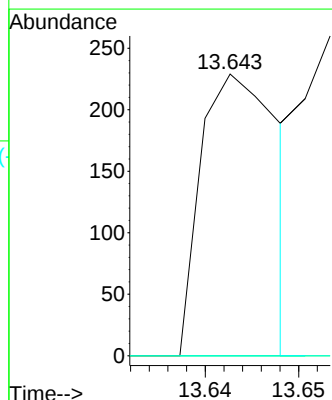
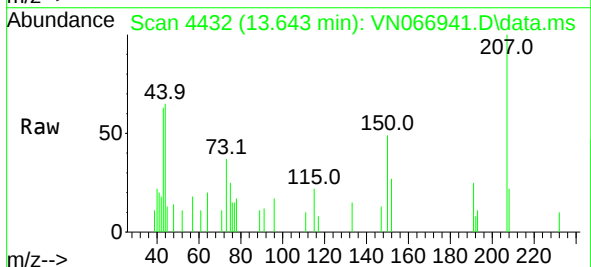
Instrument :
MSVOA_N
ClientSampleId :

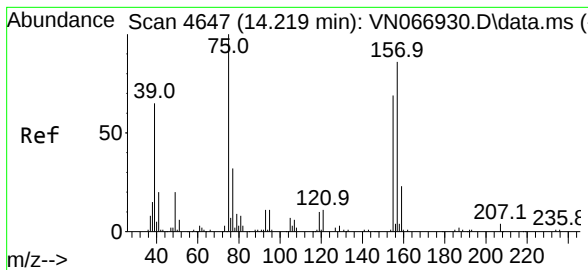
Tgt Ion: 75 Resp: 199579
Ion Ratio Lower Upper
75 100
53 0.3 74.6 111.8#
89 0.0 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.643 min Scan# 4432
Delta R.T. 0.081 min
Lab File: VN066941.D
Acq: 4 May 2021 17:28

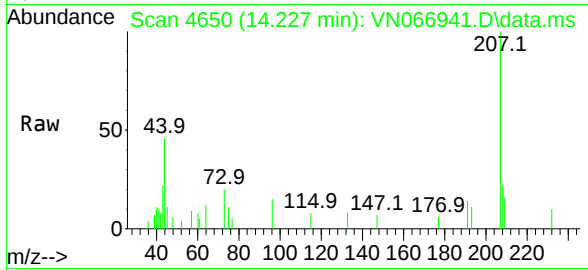
Tgt Ion: 91 Resp: 132
Ion Ratio Lower Upper
91 100
92 69.7 26.1 78.3
134 18.9 13.0 38.9





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.30 ug/l
 RT: 14.227 min Scan# 4650
 Delta R.T. 0.008 min
 Lab File: VN066941.D
 Acq: 4 May 2021 17:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 446

Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.1	132.4#
157	0.0	56.0	168.2#

