

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066945.D
 Acq On : 4 May 2021 19:05
 Operator : JC/MD
 Sample : PB136139ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 05:27:17 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)

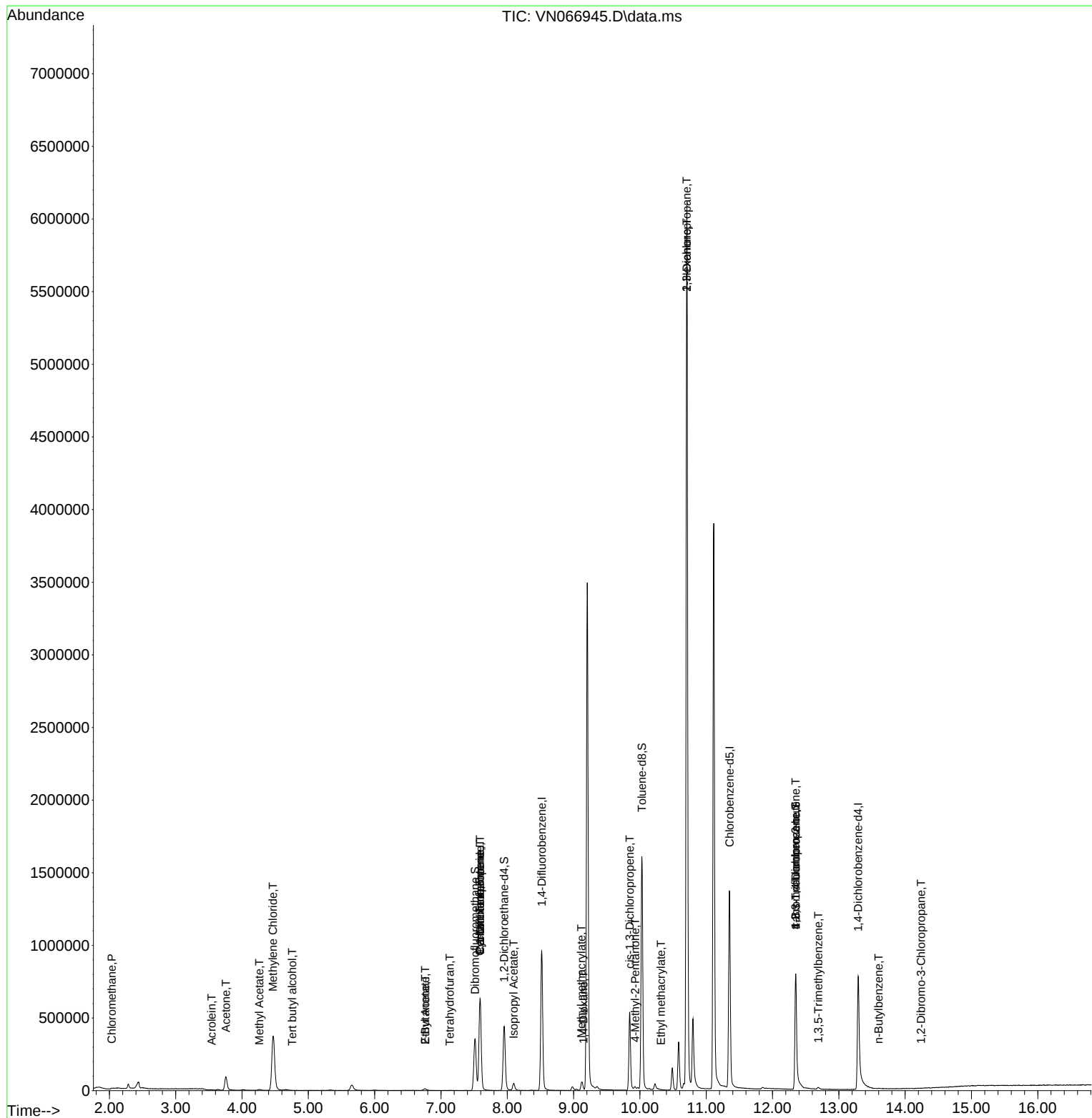
Internal Standards						
1) Pentafluorobenzene	7.589	168	491619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	822299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.352	117	789103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	275530	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	392570	50.73	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.46%			
35) Dibromofluoromethane	7.514	113	279250	50.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.02%			
50) Toluene-d8	10.030	98	1105994	52.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.02%			
62) 4-Bromofluorobenzene	12.350	95	351533	48.82	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.64%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2654	0.28	ug/l	97
11) Tert butyl alcohol	4.757	59	254	0.23	ug/l #	73
13) Acrolein	3.542	56	1937	2.13	ug/l #	46
16) Acetone	3.757	43	152009	55.84	ug/l	99
18) Methyl Acetate	4.261	43	10954	1.41	ug/l #	68
20) Methylene Chloride	4.467	84	280182	40.58	ug/l	93
25) 2-Butanone	6.763	43	12845	3.20	ug/l #	84
29) Tetrahydrofuran	7.133	42	824	0.31	ug/l #	61
31) Cyclohexane	7.587	56	12005	1.10	ug/l #	19
36) 1,1-Dichloropropene	7.589	75	42502	4.96	ug/l #	49
37) Ethyl Acetate	6.763	43	12845	1.47	ug/l #	68
38) Carbon Tetrachloride	7.589	117	52519	5.88	ug/l #	16
43) Isopropyl Acetate	8.096	43	61694	4.35	ug/l #	89
48) Methyl methacrylate	9.118	41	14671	2.34	ug/l #	10
49) 1,4-Dioxane	9.150	88	52	0.52	ug/l #	1
51) 4-Methyl-2-Pentanone	9.931	43	16319	1.99	ug/l #	82
54) cis-1,3-Dichloropropene	9.847	75	98009	8.69	ug/l #	62
56) Ethyl methacrylate	10.317	69	332	5.22	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	61525	5.54	ug/l #	43
59) 2-Hexanone	10.708	43	887407	159.81	ug/l #	50
76) 1,2,3-Trichloropropane	12.350	75	180281	27.47	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.690	105	8078	0.43	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.350	75	180281	82.11	ug/l #	12
89) n-Butylbenzene	13.600	91	260	5.26	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.241	75	458	0.35	ug/l #	1

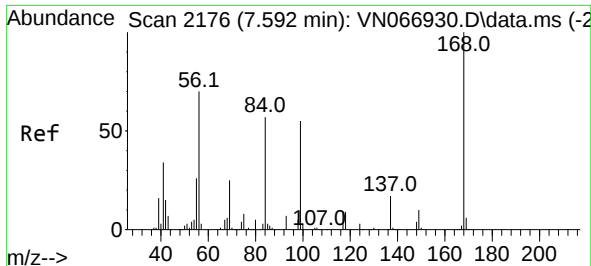
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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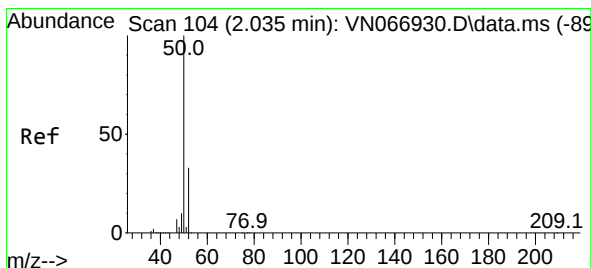
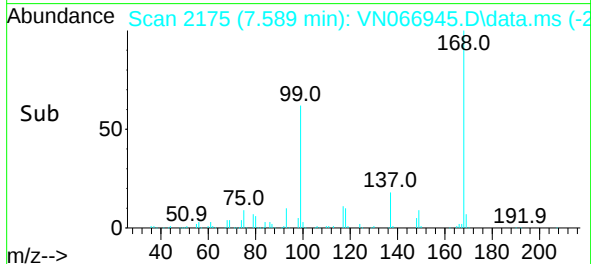
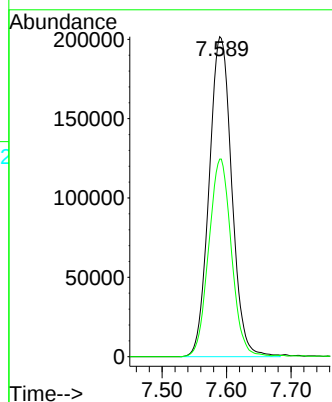
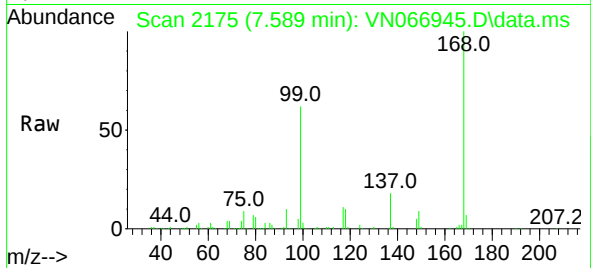




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.003 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

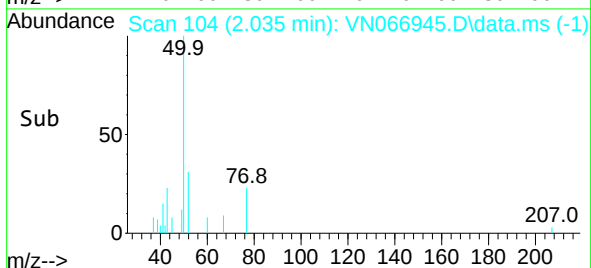
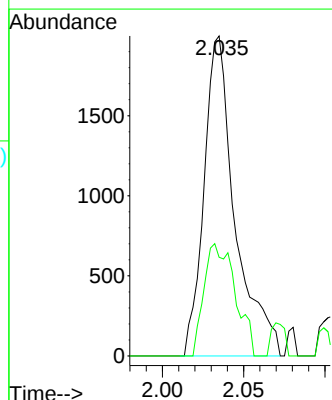
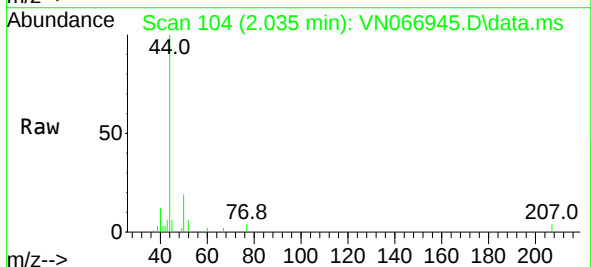
Instrument :
MSVOA_N
ClientSampled :

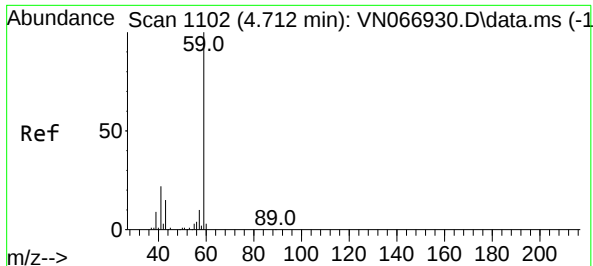
Tgt Ion:168 Resp: 491619
Ion Ratio Lower Upper
168 100
99 61.8 42.6 63.8



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.035 min Scan# 104
Delta R.T. -0.000 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion: 50 Resp: 2654
Ion Ratio Lower Upper
50 100
52 30.8 25.8 38.8



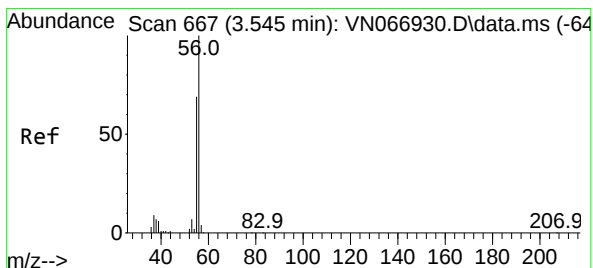
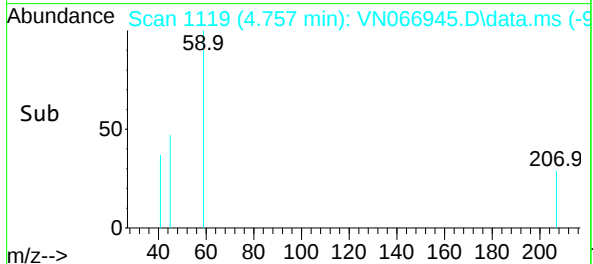
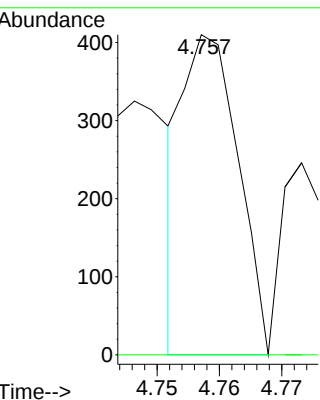
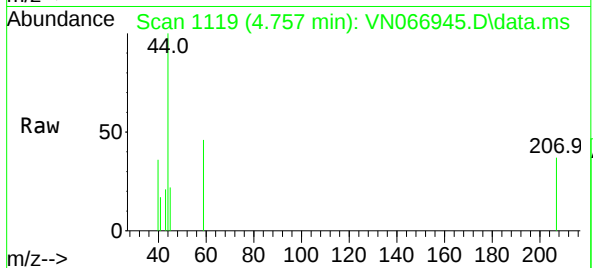


#11

Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.757 min Scan# 1119
Delta R.T. 0.045 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Instrument :
MSVOA_N
ClientSampled :

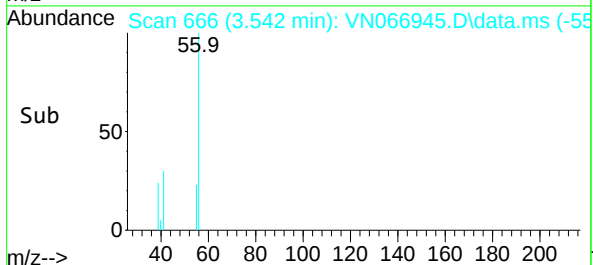
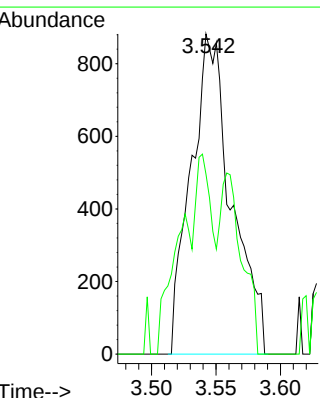
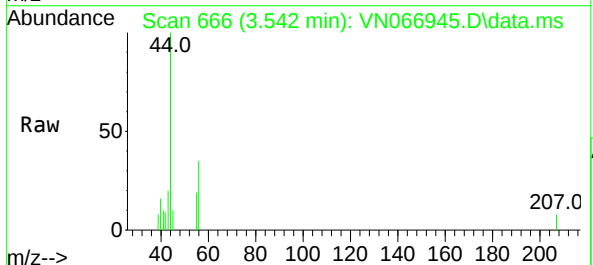
Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

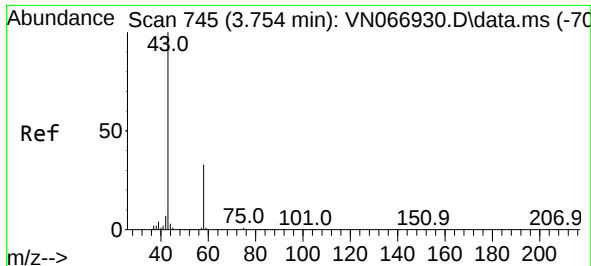


#13

Acrolein
Concen: 2.13 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.003 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion: 56 Resp: 1937
Ion Ratio Lower Upper
56 100
55 25.5 56.0 84.0#

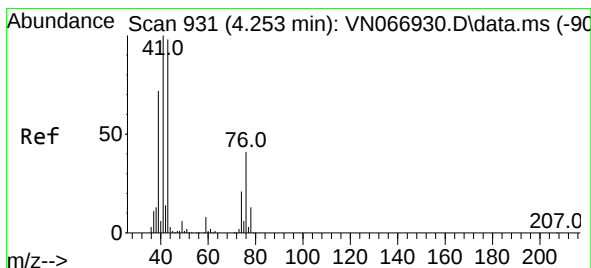
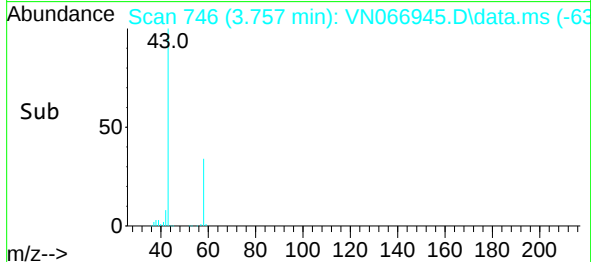
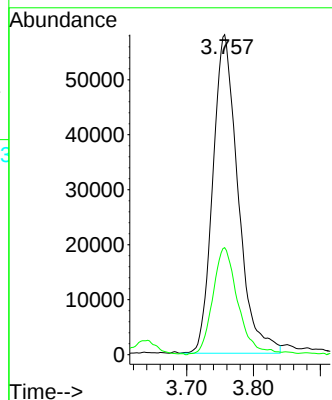
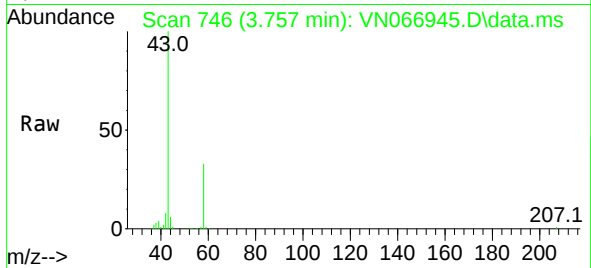




#16
Acetone
Concen: 55.84 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

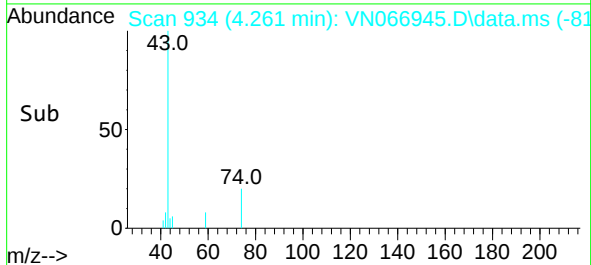
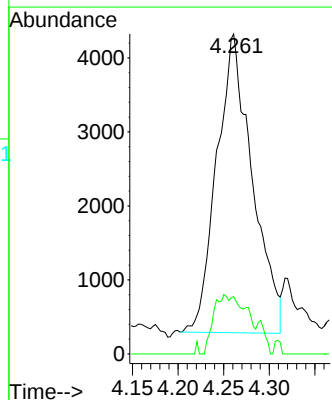
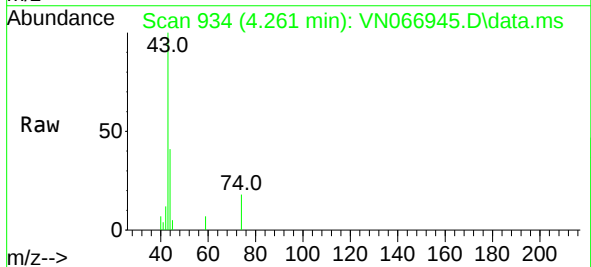
Instrument :
MSVOA_N
ClientSampled :

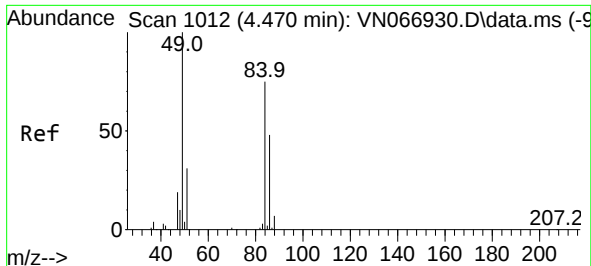
Tgt Ion: 43 Resp: 152009
Ion Ratio Lower Upper
43 100
58 33.3 27.0 40.6



#18
Methyl Acetate
Concen: 1.41 ug/l
RT: 4.261 min Scan# 934
Delta R.T. 0.008 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

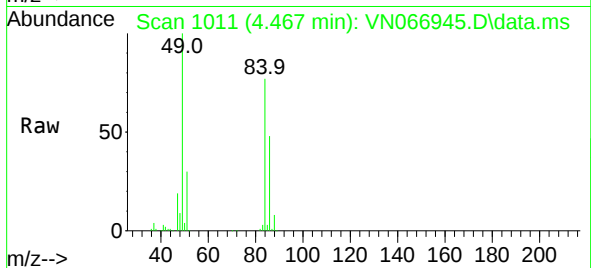
Tgt Ion: 43 Resp: 10954
Ion Ratio Lower Upper
43 100
74 8.6 19.5 29.3#



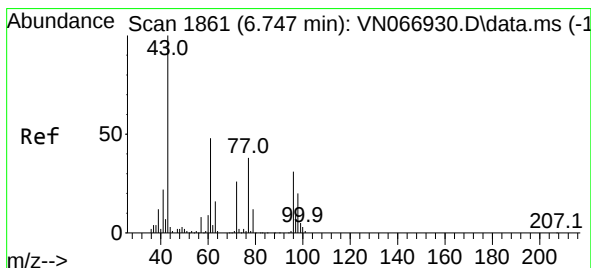
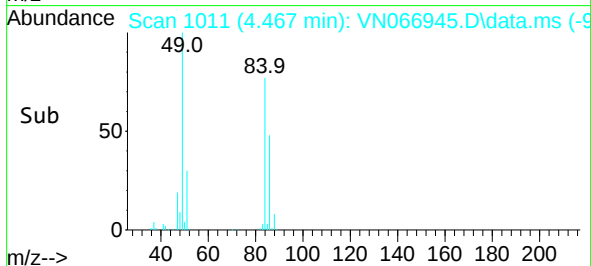
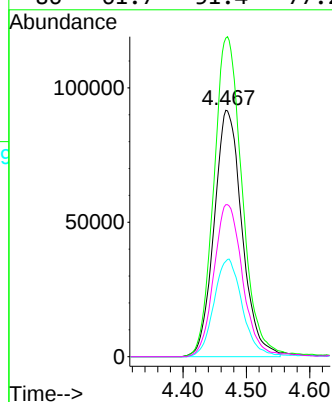


#20
Methylene Chloride
Concen: 40.58 ug/l
RT: 4.467 min Scan# 1011
Delta R.T. -0.003 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Instrument :
MSVOA_N
ClientSampleId :

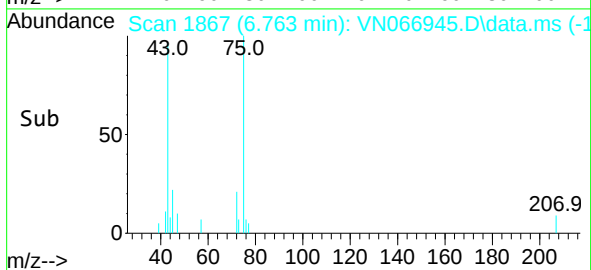
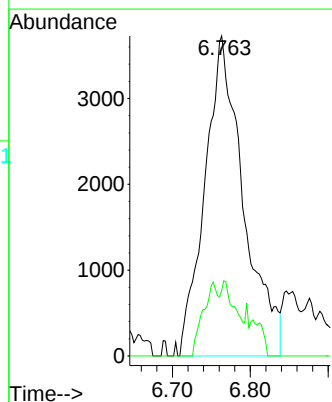
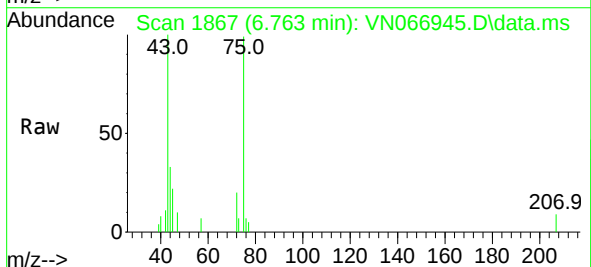


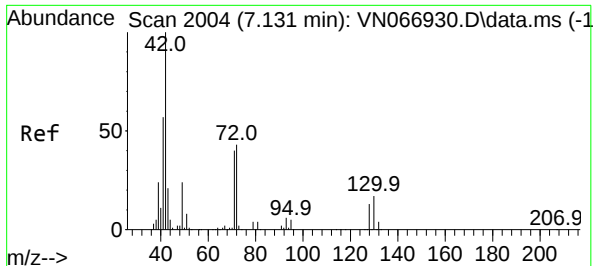
Tgt Ion:	84	Resp:	280182
Ion	Ratio	Lower	Upper
84	100		
49	129.3	94.6	141.8
51	38.7	29.9	44.9
86	61.7	51.4	77.2



#25
2-Butanone
Concen: 3.20 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.016 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion:	43	Resp:	12845
Ion	Ratio	Lower	Upper
43	100		
72	20.3	23.1	34.7#

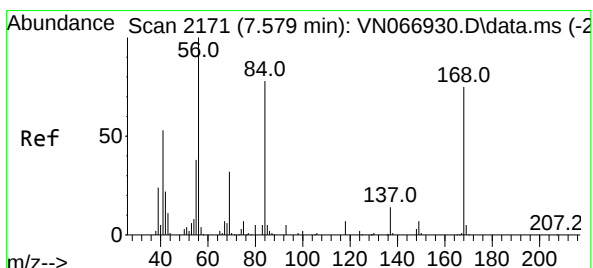
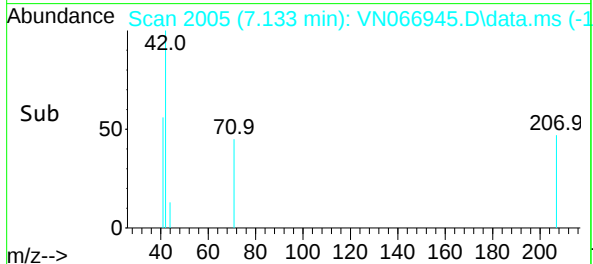
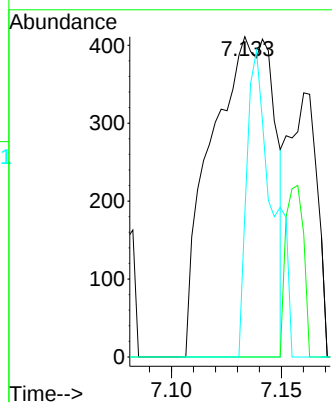
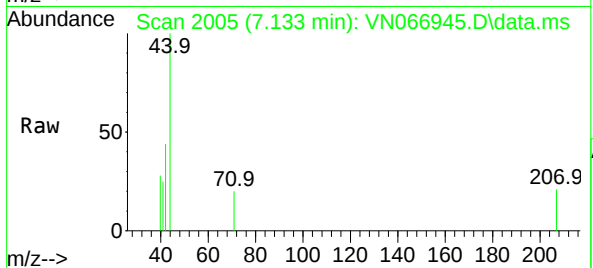




#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 7.133 min Scan# 2005
Delta R.T. 0.002 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

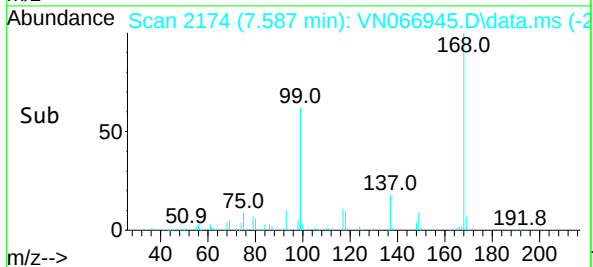
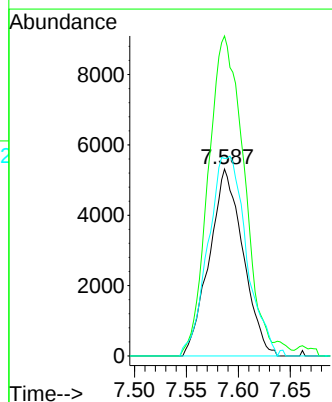
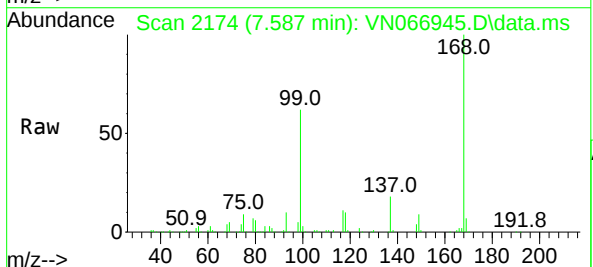
Instrument :
MSVOA_N
ClientSampled :

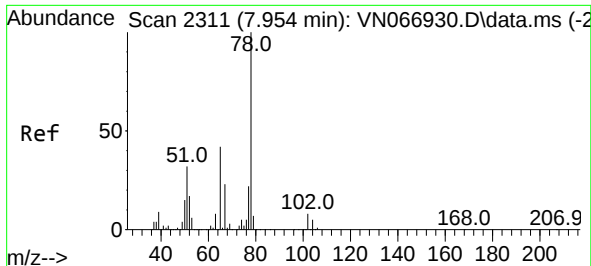
Tgt Ion: 42 Resp: 824
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 38.7 34.3 51.5



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion: 56 Resp: 12005
Ion Ratio Lower Upper
56 100
69 171.2 26.6 39.8#
84 105.7 70.4 105.6#

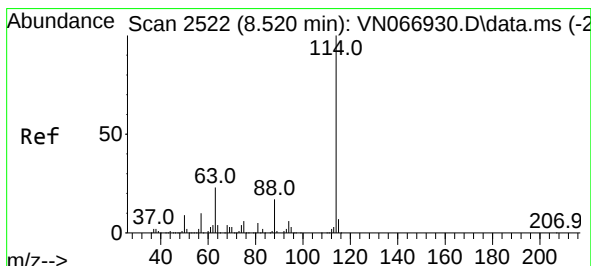
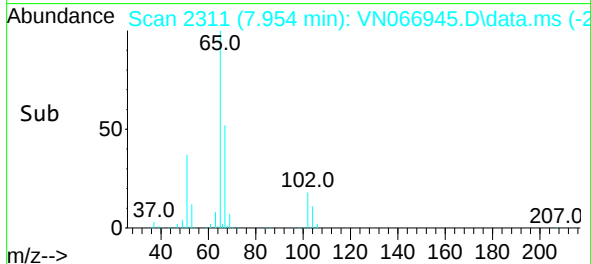
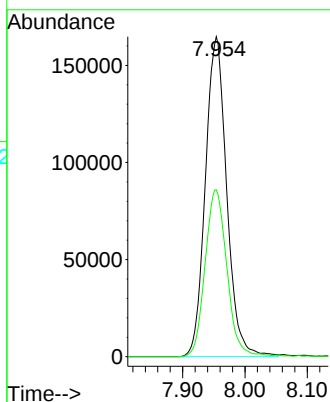
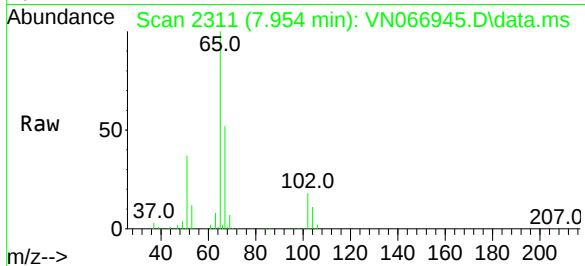




#33
 1,2-Dichloroethane-d4
 Concen: 50.73 ug/l
 RT: 7.954 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: VN066945.D
 Acq: 4 May 2021 19:05

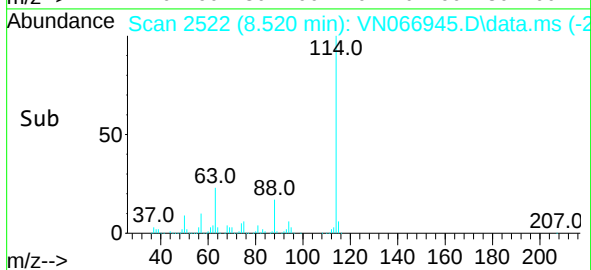
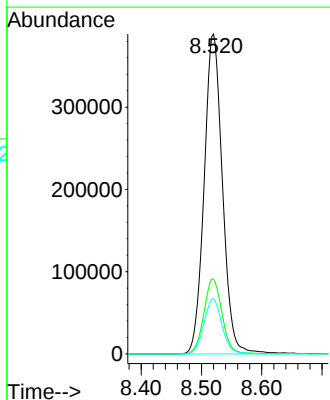
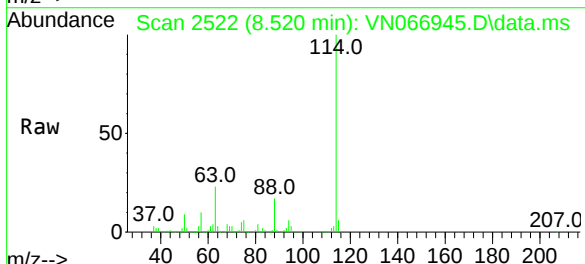
Instrument :
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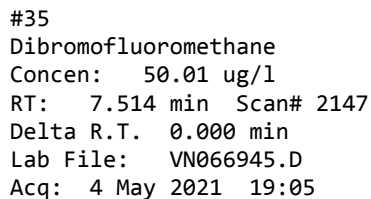
Tgt Ion: 65 Resp: 392570
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



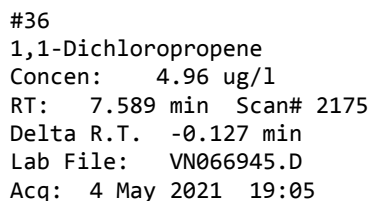
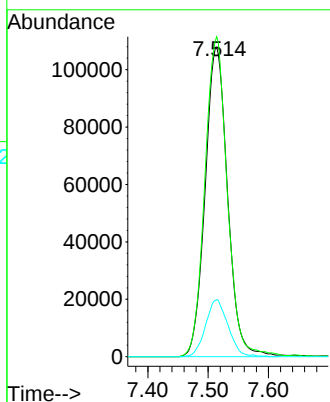
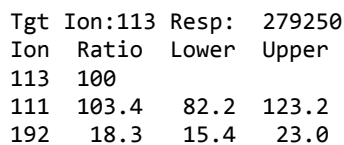
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. -0.000 min
 Lab File: VN066945.D
 Acq: 4 May 2021 19:05

Tgt Ion: 114 Resp: 822299
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 38.6
 88 17.3 0.0 30.6

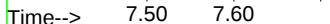
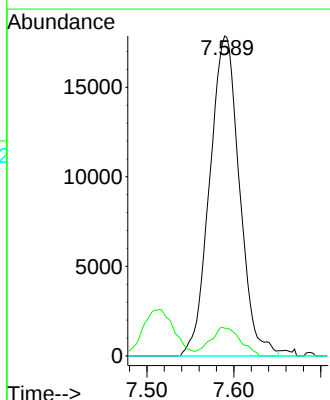


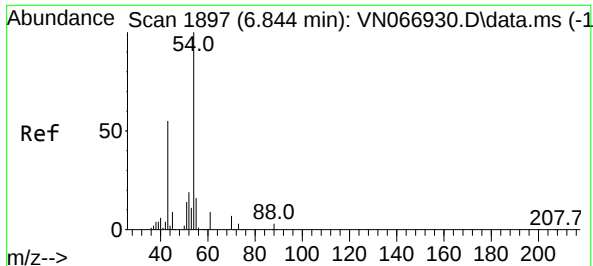


Instrument :
MSVOA_N
ClientSampleId :



Tgt	Ion: 75	Resp:	42502
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.47 ug/l

RT: 6.763 min Scan# 1867

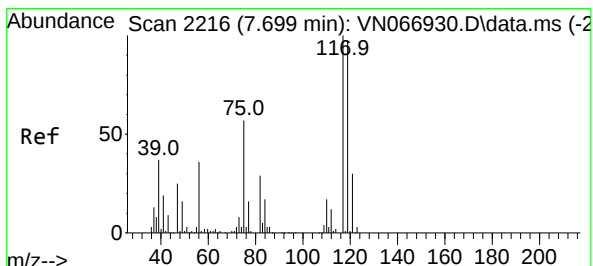
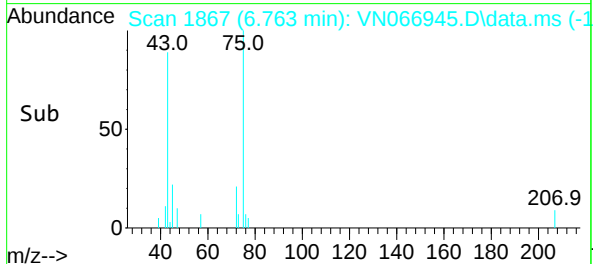
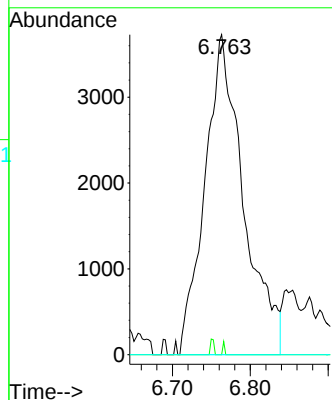
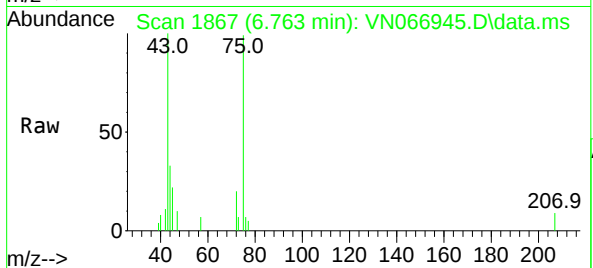
Delta R.T. -0.081 min

Lab File: VN066945.D

Acq: 4 May 2021 19:05

Tgt Ion:	43	Resp:	12845
Ion	Ratio	Lower	Upper
43	100		
61	0.2	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.88 ug/l

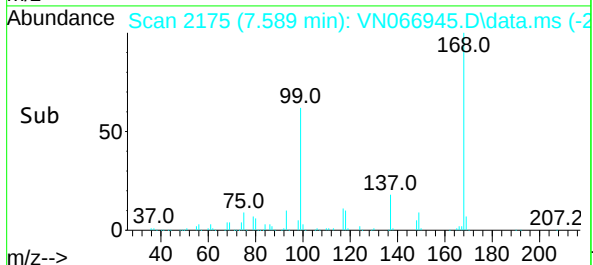
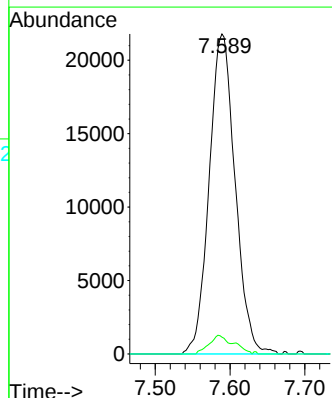
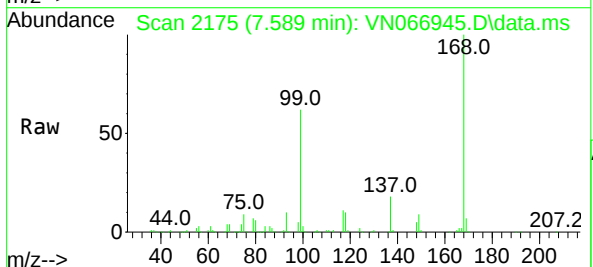
RT: 7.589 min Scan# 2175

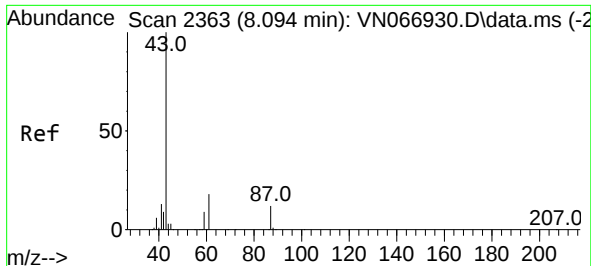
Delta R.T. -0.110 min

Lab File: VN066945.D

Acq: 4 May 2021 19:05

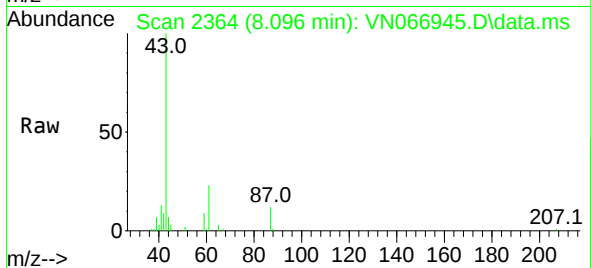
Tgt Ion:	117	Resp:	52519
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.0	114.0#
121	0.0	24.5	36.7#



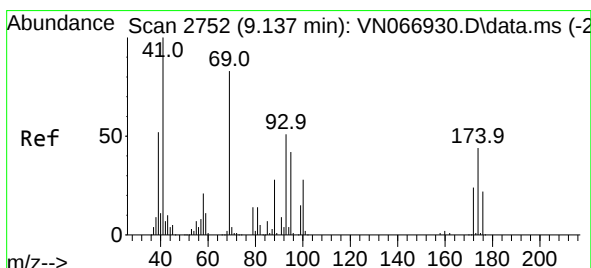
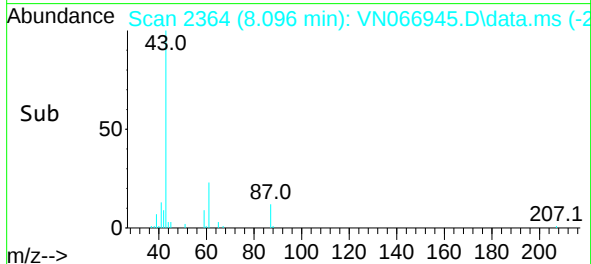
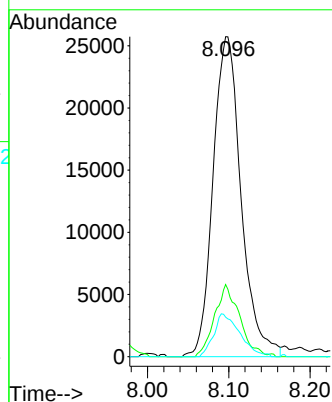


#43
Isopropyl Acetate
Concen: 4.35 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Instrument :
MSVOA_N
ClientSampled :

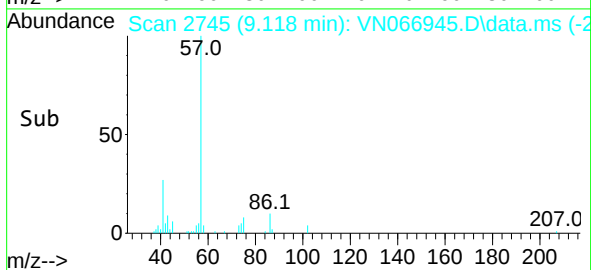
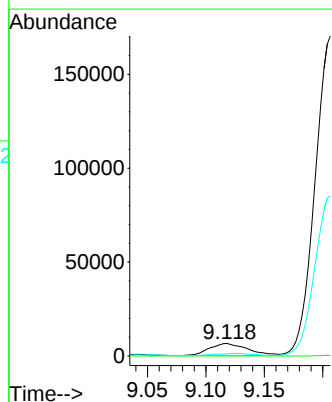
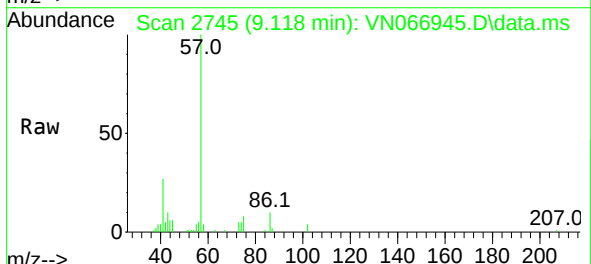


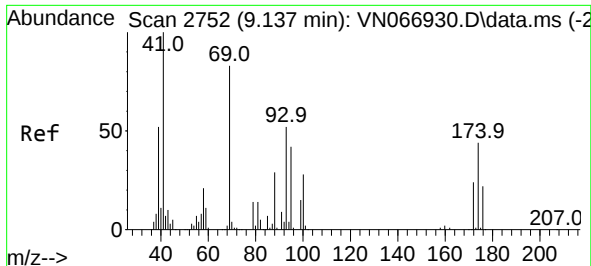
Tgt Ion: 43 Resp: 61694
Ion Ratio Lower Upper
43 100
61 20.1 22.5 33.7#
87 12.5 11.1 16.7



#48
Methyl methacrylate
Concen: 2.34 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

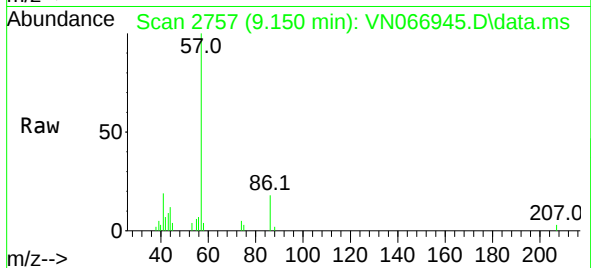
Tgt Ion: 41 Resp: 14671
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



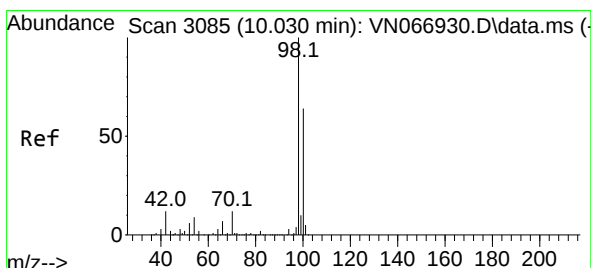
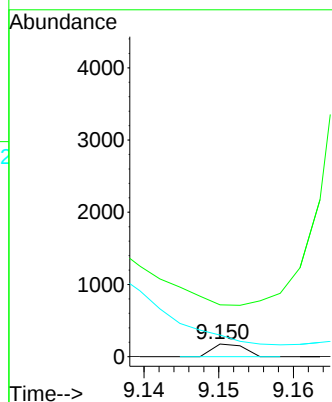
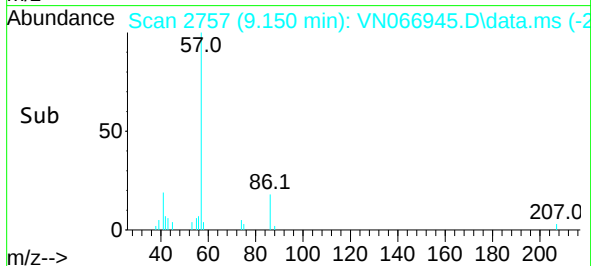


#49
1,4-Dioxane
Concen: 0.52 ug/l
RT: 9.150 min Scan# 2757
Delta R.T. 0.013 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

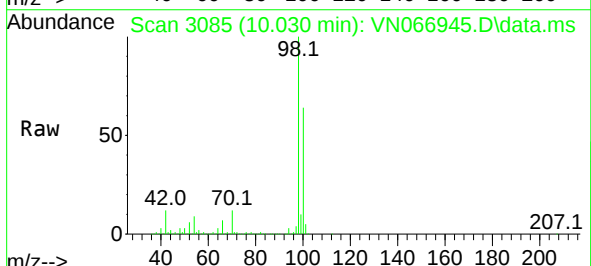
Instrument :
MSVOA_N
ClientSampled :



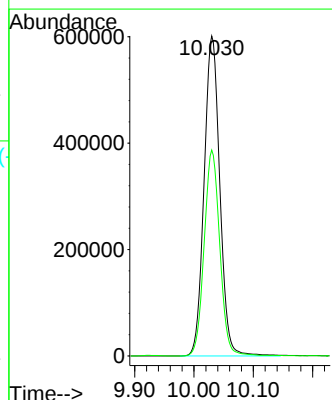
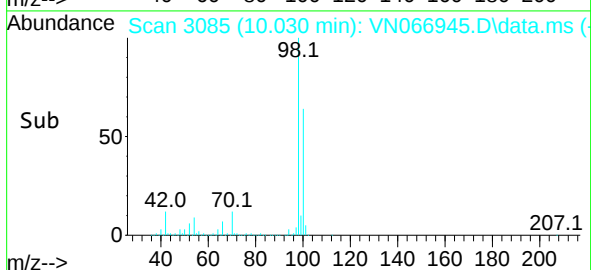
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 2013.5 52.6 78.8#

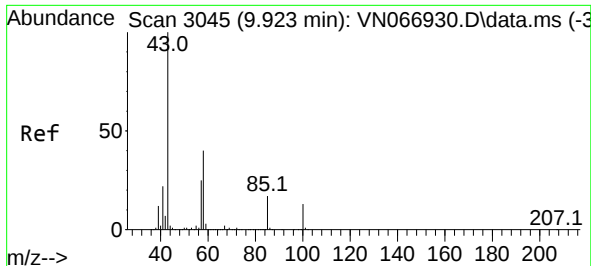


#50
Toluene-d8
Concen: 52.01 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05



Tgt Ion: 98 Resp: 1105994
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

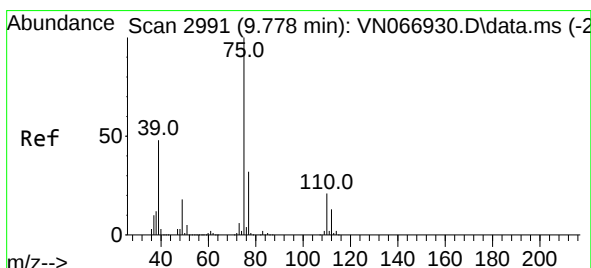
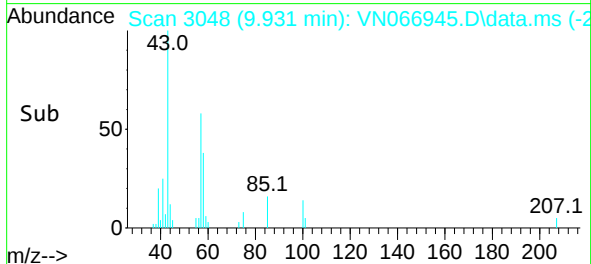
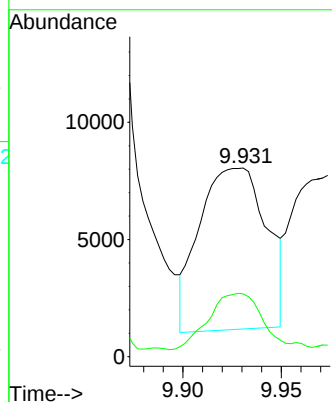
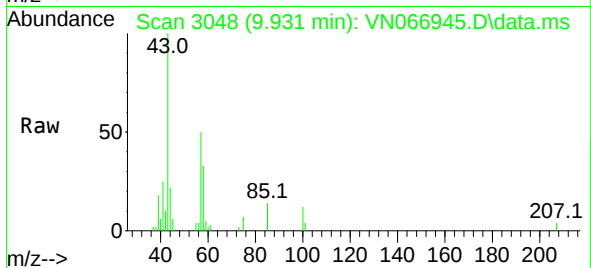




#51
4-Methyl-2-Pentanone
Concen: 1.99 ug/l
RT: 9.931 min Scan# 3048
Delta R.T. 0.008 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

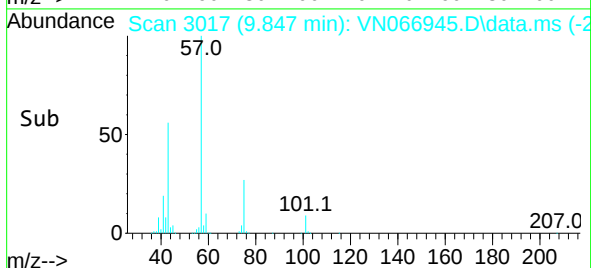
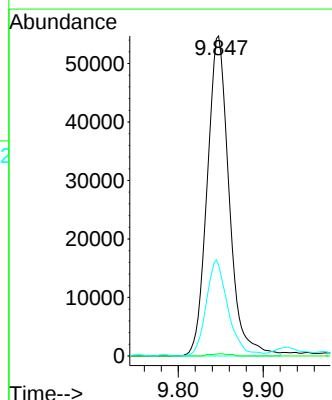
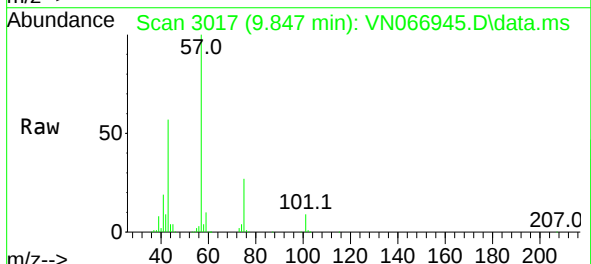
Instrument :
MSVOA_N
ClientSampled :

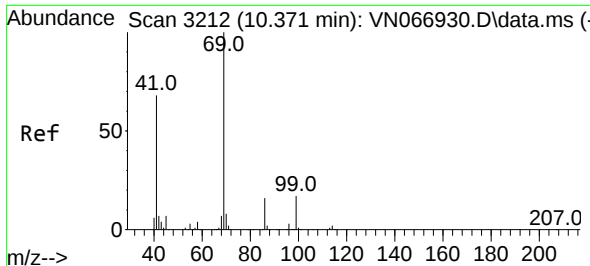
Tgt Ion: 43 Resp: 16319
Ion Ratio Lower Upper
43 100
58 29.6 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.69 ug/l
RT: 9.847 min Scan# 3017
Delta R.T. 0.069 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion: 75 Resp: 98009
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 28.5 36.2 54.4#

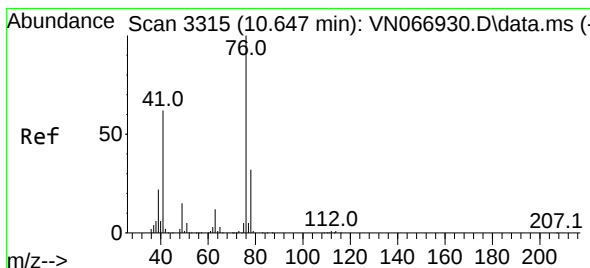
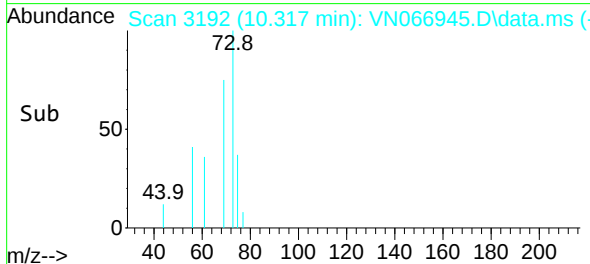
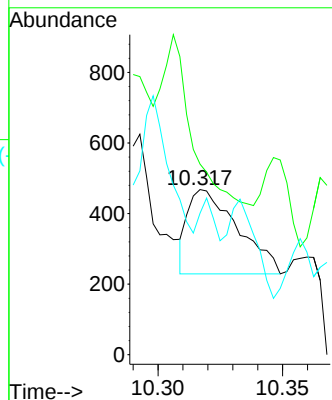
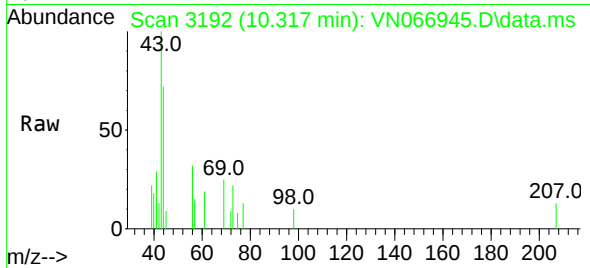




#56
Ethyl methacrylate
Concen: 5.22 ug/l
RT: 10.317 min Scan# 3192
Delta R.T. -0.054 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

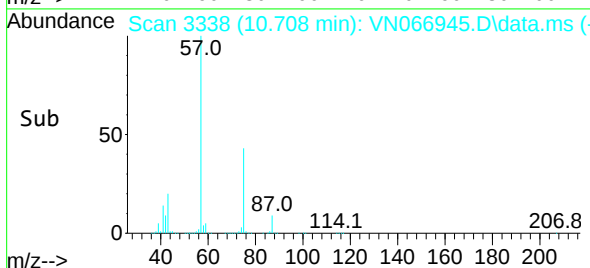
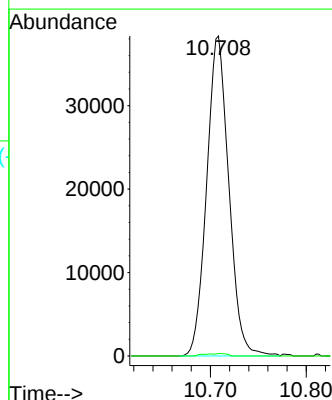
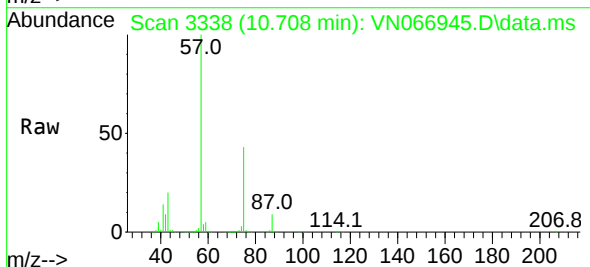
Instrument :
MSVOA_N
ClientSampleId :

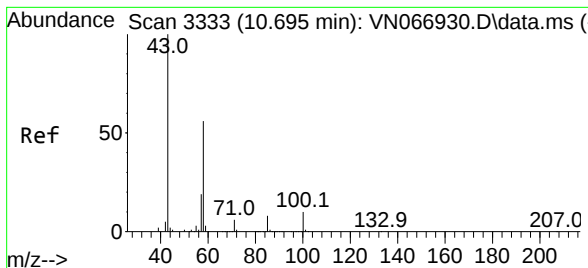
Tgt Ion: 69 Resp: 332
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 5.54 ug/l
RT: 10.708 min Scan# 3338
Delta R.T. 0.061 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion: 76 Resp: 61525
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

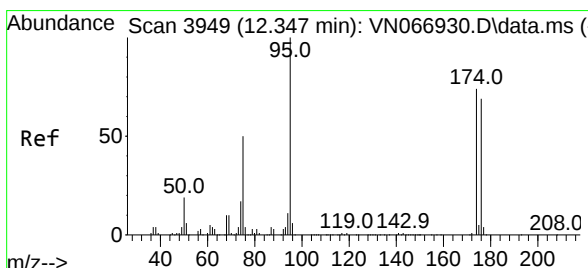
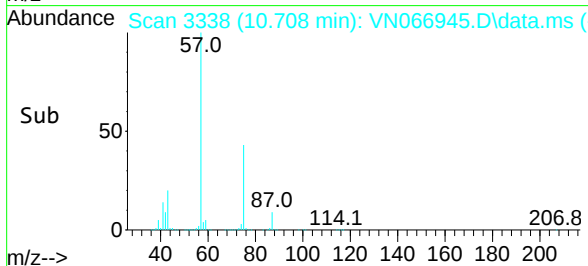
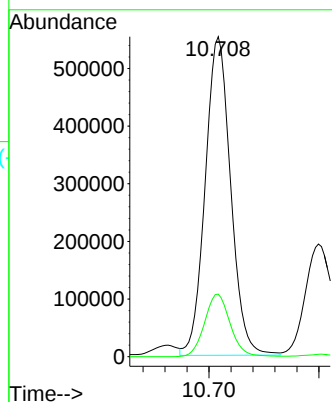
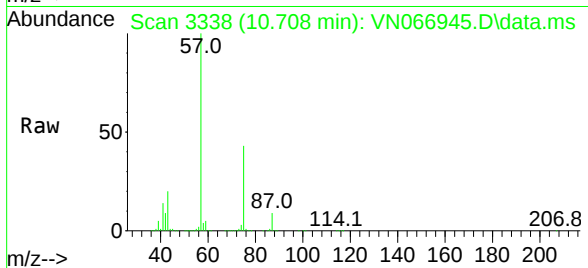




#59
2-Hexanone
Concen: 159.81 ug/l
RT: 10.708 min Scan# 3338
Delta R.T. 0.013 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

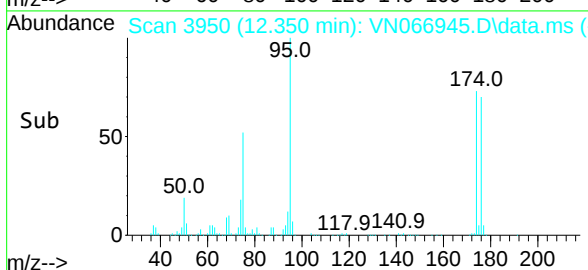
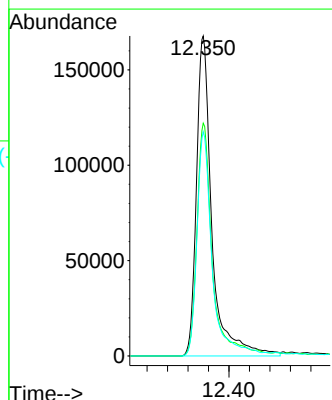
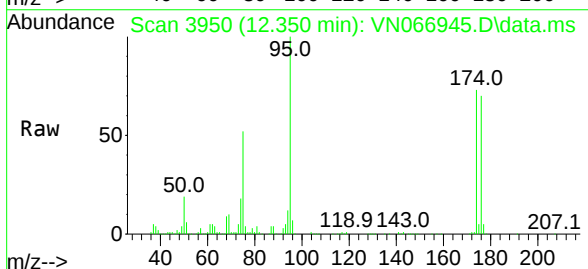
Instrument :
MSVOA_N
ClientSampled :

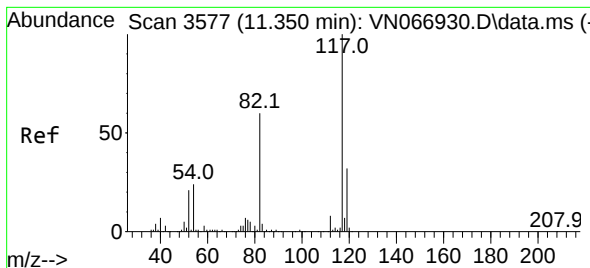
Tgt Ion: 43 Resp: 887407
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.82 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion: 95 Resp: 351533
Ion Ratio Lower Upper
95 100
174 71.4 0.0 169.0
176 68.8 0.0 162.4

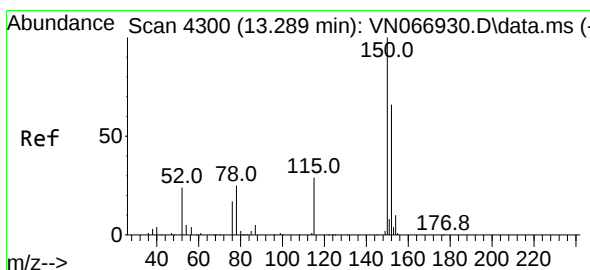
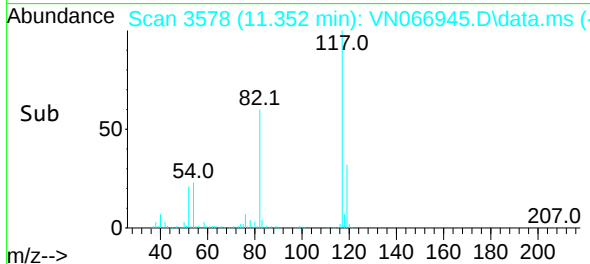
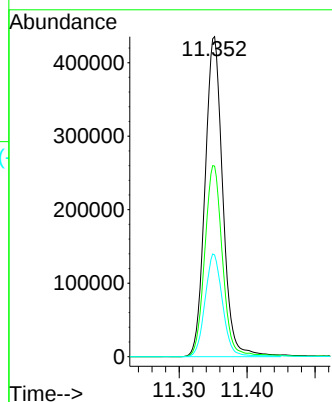
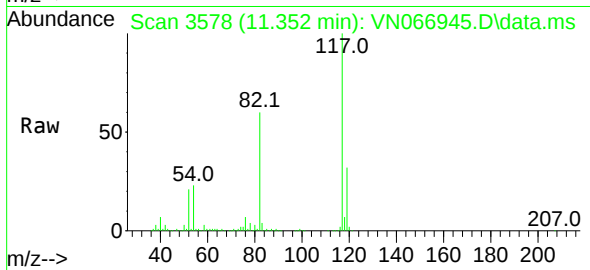




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.002 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

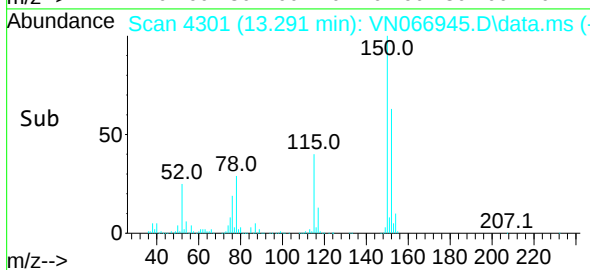
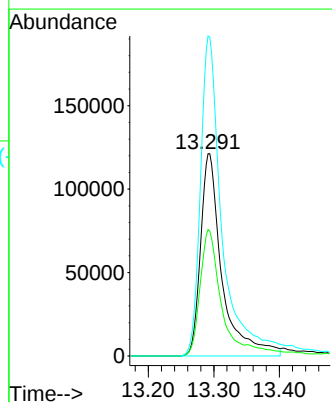
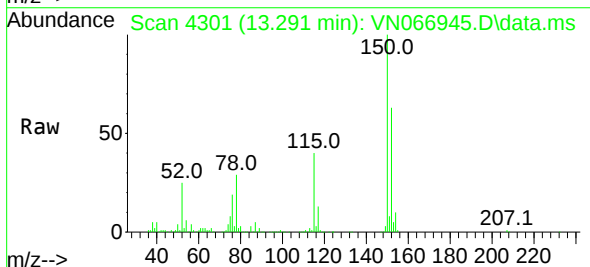
Instrument :
MSVOA_N
ClientSampleId :

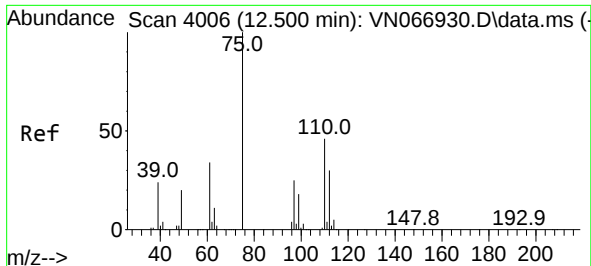
Tgt Ion:117 Resp: 789103
Ion Ratio Lower Upper
117 100
82 59.5 43.7 65.5
119 31.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion:152 Resp: 275530
Ion Ratio Lower Upper
152 100
115 58.1 28.5 85.6
150 160.2 0.0 347.6

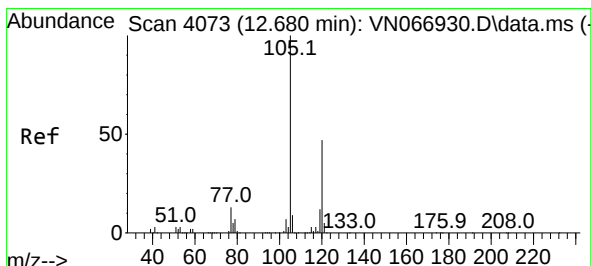
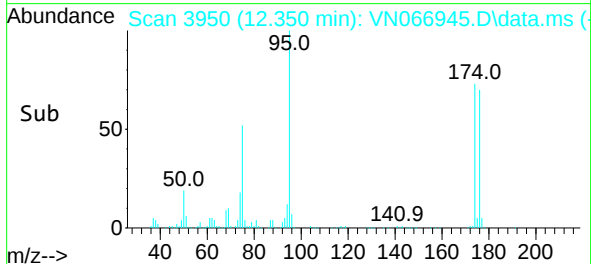
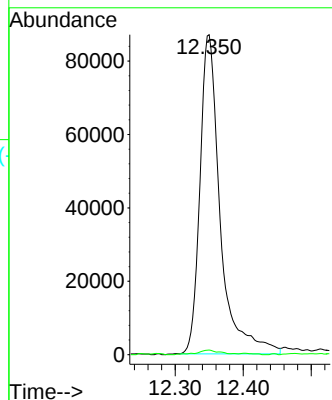
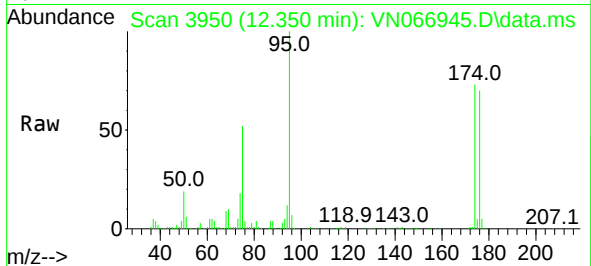




#76
1,2,3-Trichloropropane
Concen: 27.47 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

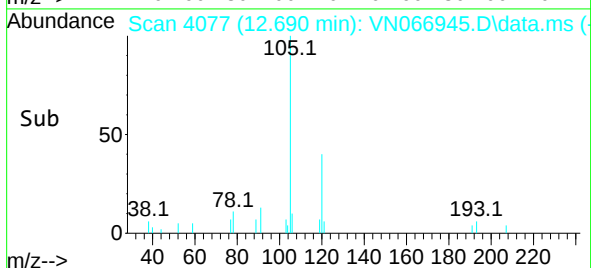
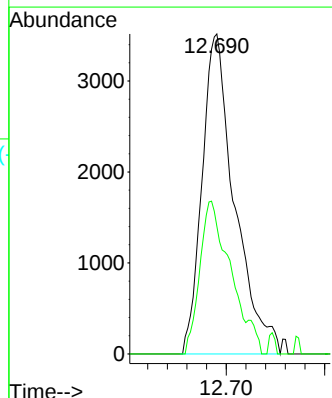
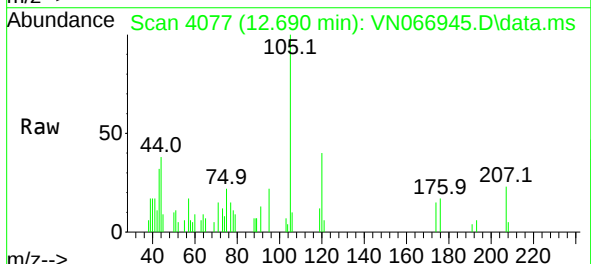
Instrument :
MSVOA_N
ClientSampleId :

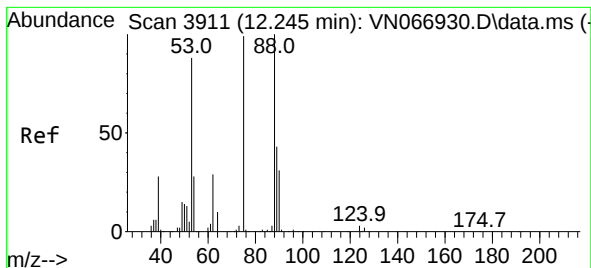
Tgt Ion: 75 Resp: 180281
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.43 ug/l
RT: 12.690 min Scan# 4077
Delta R.T. 0.010 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

Tgt Ion:105 Resp: 8078
Ion Ratio Lower Upper
105 100
120 45.6 24.3 72.8

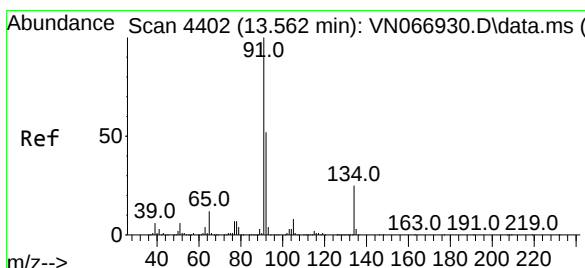
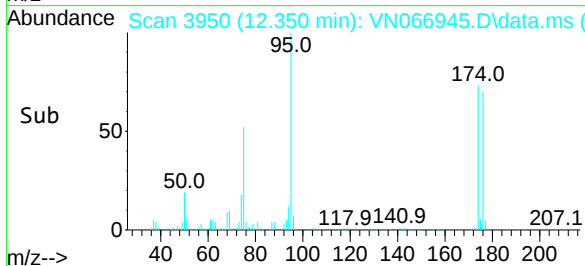
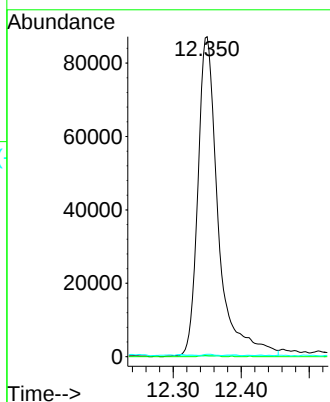
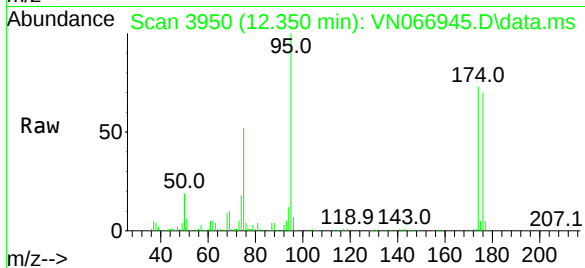




#81
trans-1,4-Dichloro-2-butene
Concen: 82.11 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

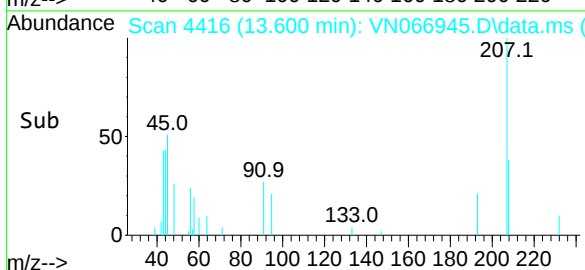
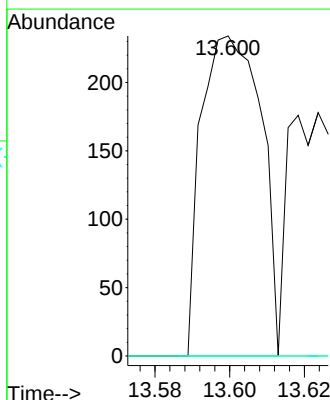
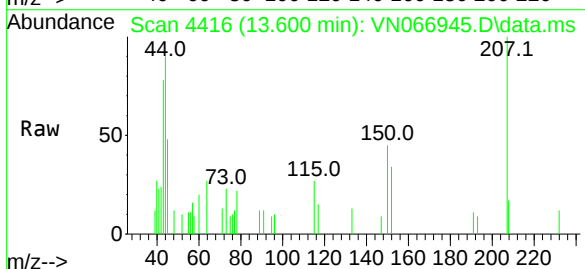
Instrument :
MSVOA_N
ClientSampleId :

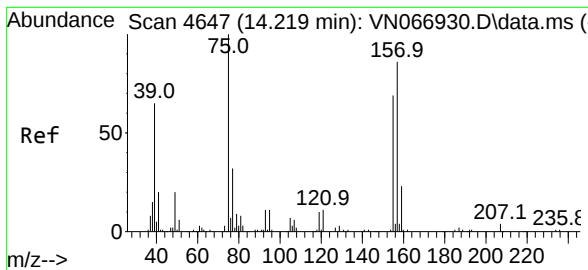
Tgt Ion: 75 Resp: 180281
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.2 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.26 ug/l
RT: 13.600 min Scan# 4416
Delta R.T. 0.038 min
Lab File: VN066945.D
Acq: 4 May 2021 19:05

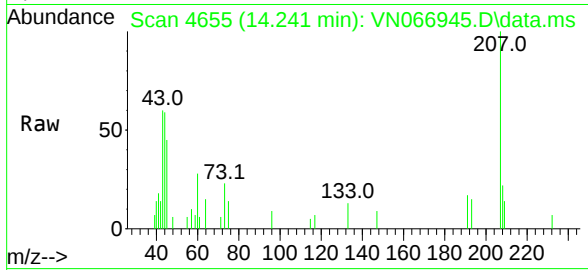
Tgt Ion: 91 Resp: 260
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.35 ug/l
 RT: 14.241 min Scan# 4655
 Delta R.T. 0.022 min
 Lab File: VN066945.D
 Acq: 4 May 2021 19:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 458
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#

