

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066964.D
 Acq On : 5 May 2021 3:33
 Operator : JC/MD
 Sample : M2256-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:49:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

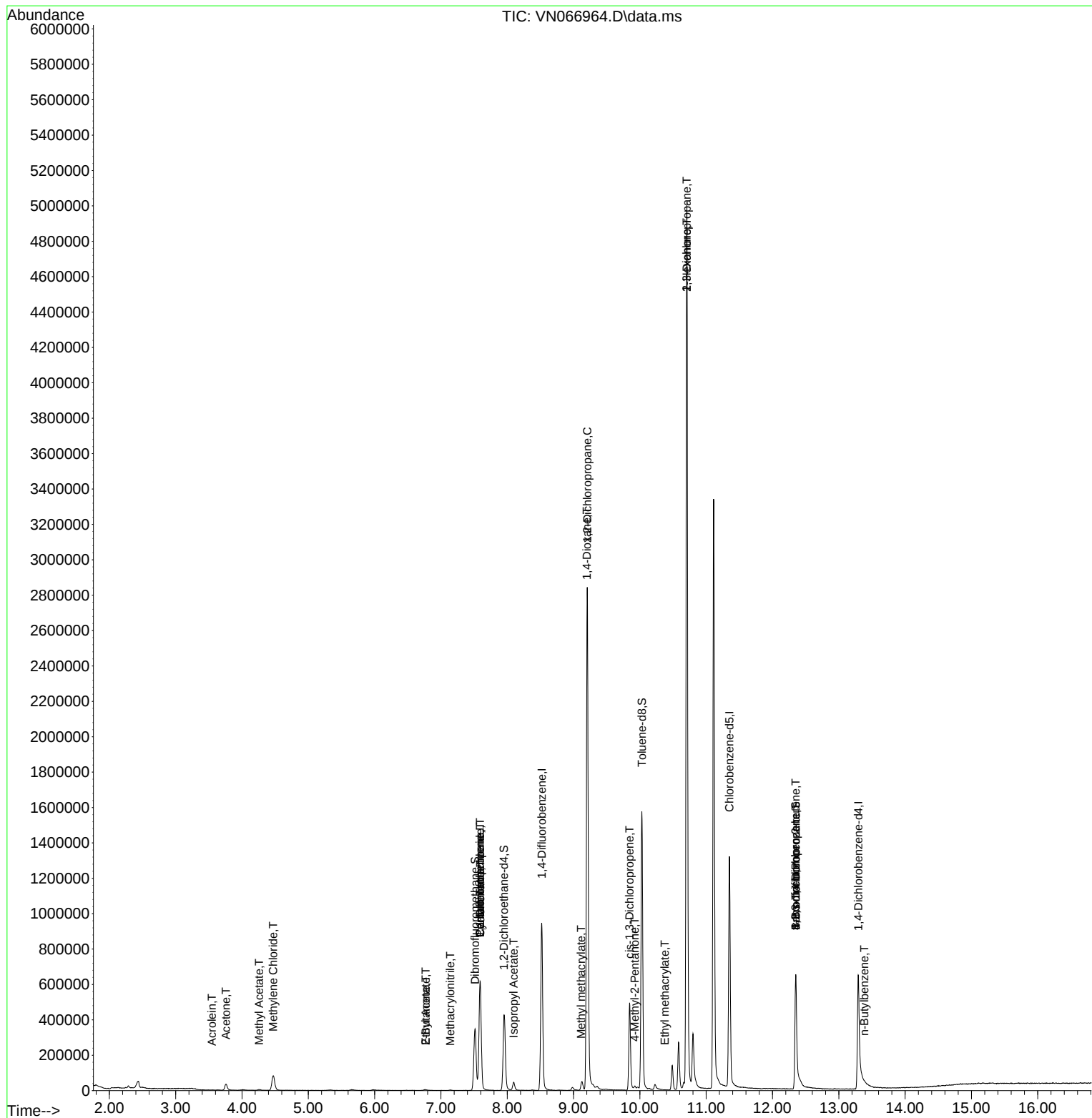
Internal Standards						
1) Pentafluorobenzene	7.590	168	471075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	795894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	743326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	239747	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	388624	52.41	ug/l	0.00
Spiked Amount 50.000	Range 61	- 141	Recovery	=	104.82%	
35) Dibromofluoromethane	7.515	113	273817	50.66	ug/l	0.00
Spiked Amount 50.000	Range 69	- 133	Recovery	=	101.32%	
50) Toluene-d8	10.030	98	1070539	52.01	ug/l	0.00
Spiked Amount 50.000	Range 65	- 126	Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.350	95	302039	43.34	ug/l	0.00
Spiked Amount 50.000	Range 58	- 135	Recovery	=	86.68%	
Target Compounds						
						Qvalue
13) Acrolein	3.545	56	1047	1.20	ug/l #	29
16) Acetone	3.757	43	59900	22.96	ug/l	93
18) Methyl Acetate	4.259	43	8533	1.14	ug/l #	55
20) Methylene Chloride	4.470	84	61538	9.30	ug/l	97
25) 2-Butanone	6.769	43	9398	2.44	ug/l #	82
31) Cyclohexane	7.592	56	10950	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.590	75	42464	5.12	ug/l #	48
37) Ethyl Acetate	6.769	43	9398	1.11	ug/l #	68
38) Carbon Tetrachloride	7.590	117	48989	5.67	ug/l #	17
41) Methacrylonitrile	7.142	41	1094	0.30	ug/l #	100
43) Isopropyl Acetate	8.096	43	53967	3.93	ug/l #	91
45) 1,2-Dichloropropane	9.207	63	3520	0.48	ug/l #	44
48) Methyl methacrylate	9.116	41	11786	1.94	ug/l #	10
49) 1,4-Dioxane	9.201	88	217	2.25	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	13158	1.66	ug/l	93
54) cis-1,3-Dichloropropene	9.845	75	87759	8.04	ug/l #	65
56) Ethyl methacrylate	10.376	69	148	5.20	ug/l #	1
57) 1,3-Dichloropropane	10.709	76	50512	4.70	ug/l #	43
59) 2-Hexanone	10.709	43	734861	140.83	ug/l #	50
71) Bromoform	12.350	173	1628	0.37	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	159833	27.99	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	159833	83.55	ug/l #	12
89) n-Butylbenzene	13.383	91	26	5.24	ug/l #	34

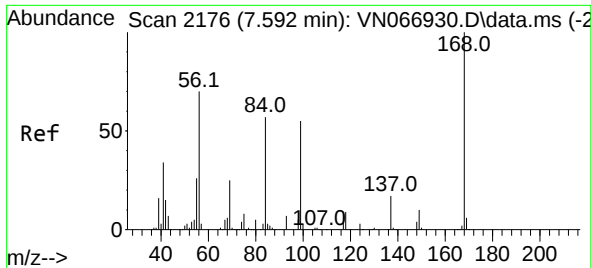
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

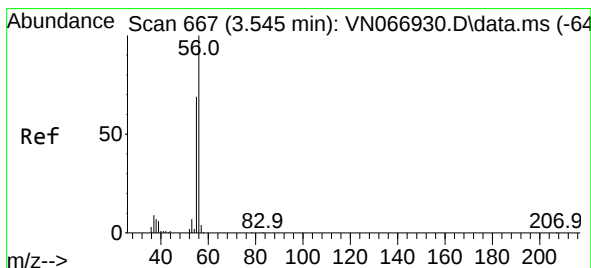
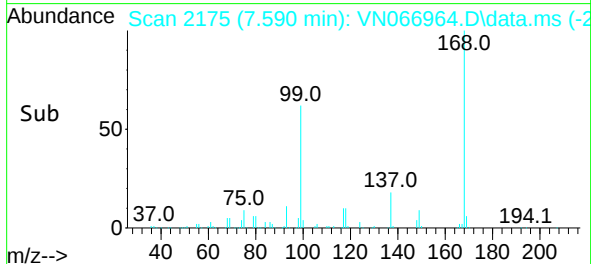
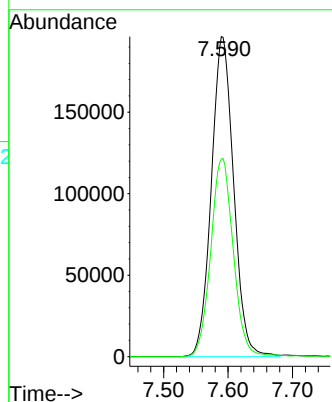
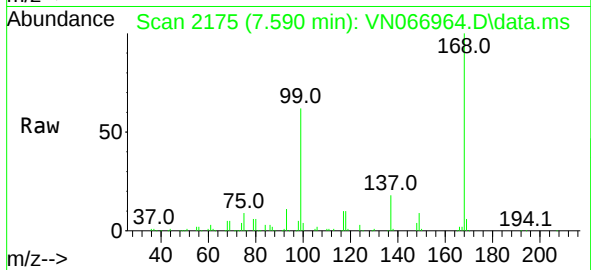




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.002 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

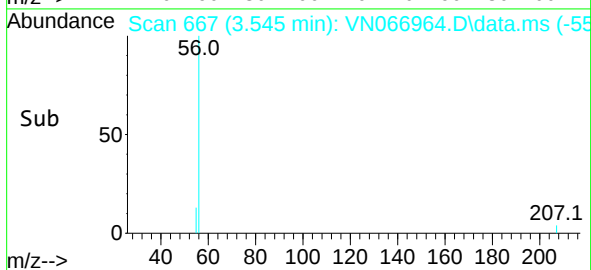
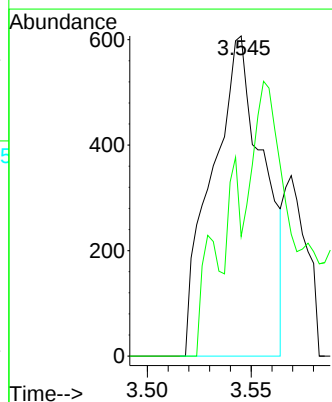
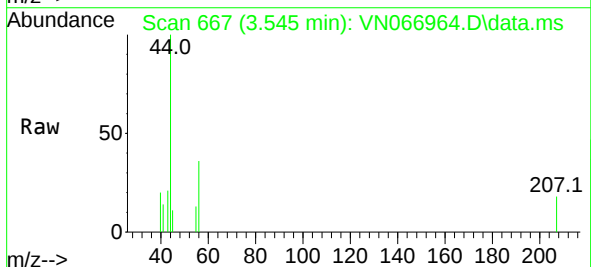
Instrument :
MSVOA_N
ClientSampleId :

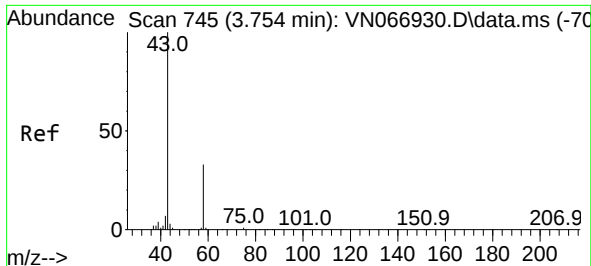
Tgt Ion:168 Resp: 471075
Ion Ratio Lower Upper
168 100
99 61.8 42.6 63.8



#13
Acrolein
Concen: 1.20 ug/l
RT: 3.545 min Scan# 667
Delta R.T. 0.000 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

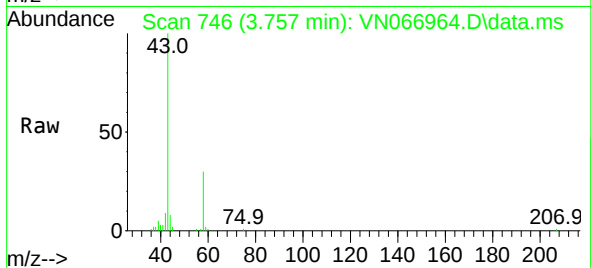
Tgt Ion: 56 Resp: 1047
Ion Ratio Lower Upper
56 100
55 11.7 56.0 84.0#



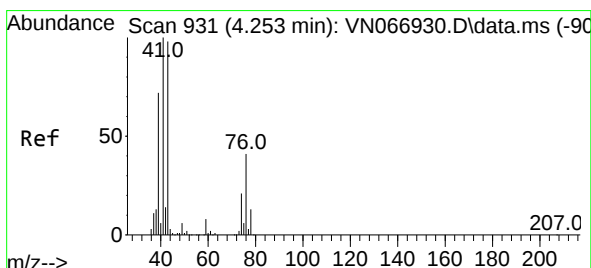
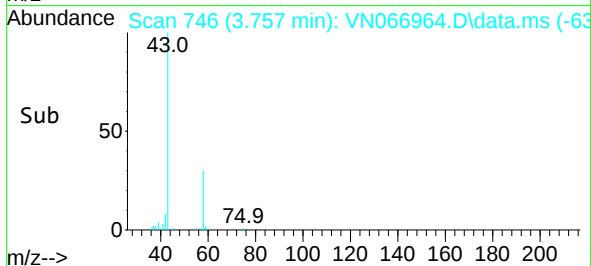
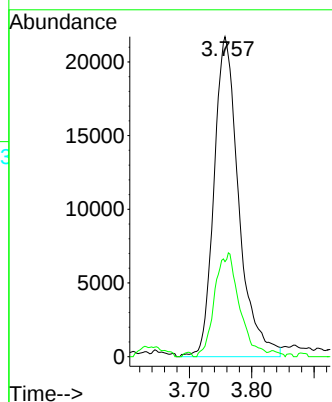


#16
Acetone
Concen: 22.96 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Instrument :
MSVOA_N
ClientSampled :

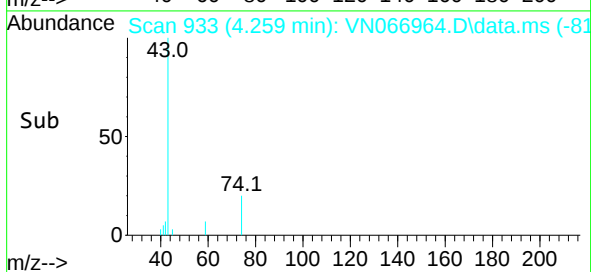
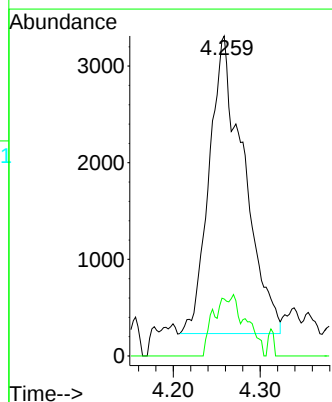
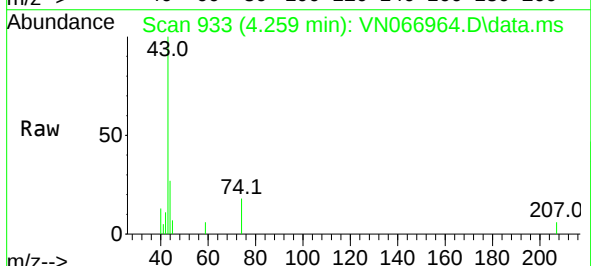


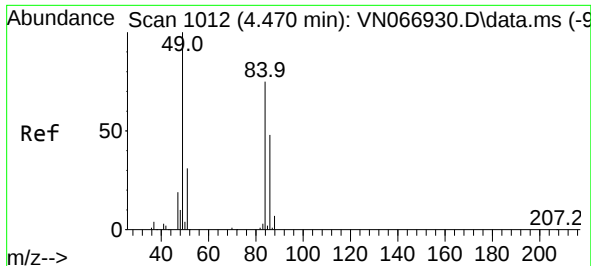
Tgt Ion: 43 Resp: 59900
Ion Ratio Lower Upper
43 100
58 29.7 27.0 40.6



#18
Methyl Acetate
Concen: 1.14 ug/l
RT: 4.259 min Scan# 933
Delta R.T. 0.006 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

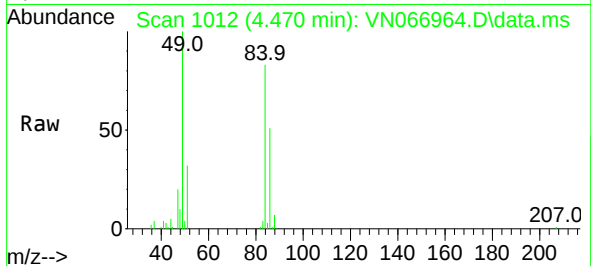
Tgt Ion: 43 Resp: 8533
Ion Ratio Lower Upper
43 100
74 2.0 19.5 29.3#



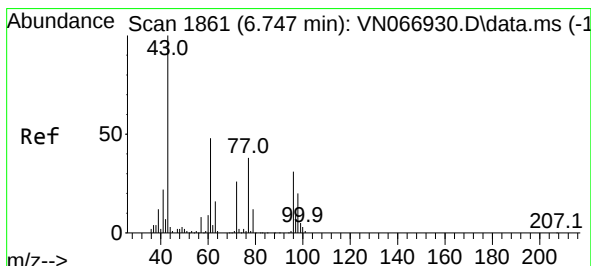
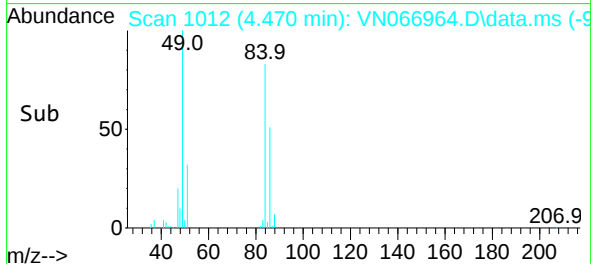
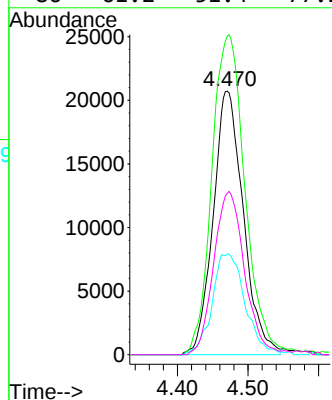


#20
Methylene Chloride
Concen: 9.30 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Instrument :
MSVOA_N
ClientSampled :

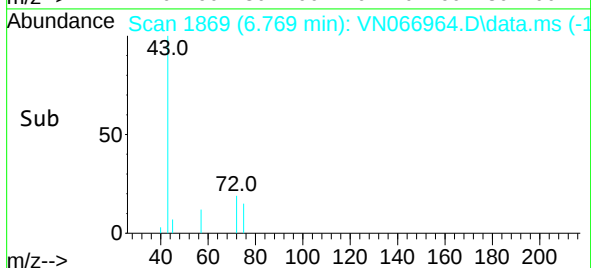
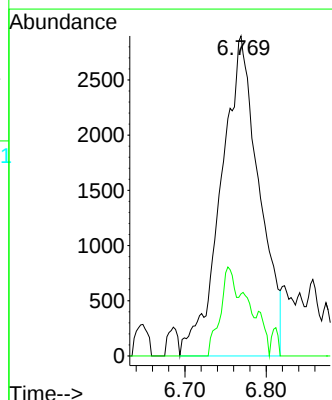
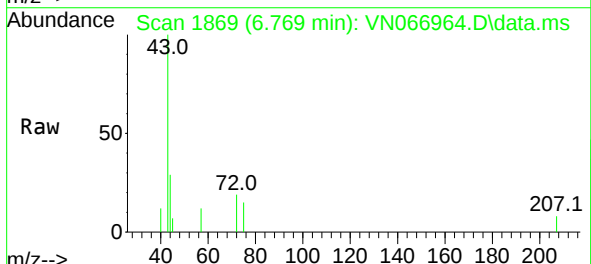


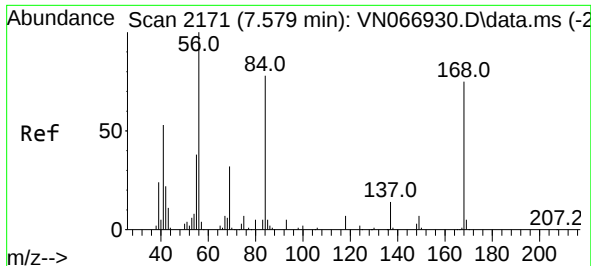
Tgt Ion:	84	Resp:	61538
Ion	Ratio	Lower	Upper
84	100		
49	120.8	94.6	141.8
51	38.1	29.9	44.9
86	61.2	51.4	77.2



#25
2-Butanone
Concen: 2.44 ug/l
RT: 6.769 min Scan# 1869
Delta R.T. 0.022 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

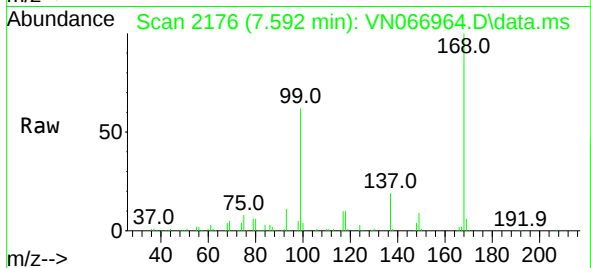
Tgt Ion:	43	Resp:	9398
Ion	Ratio	Lower	Upper
43	100		
72	19.4	23.1	34.7#



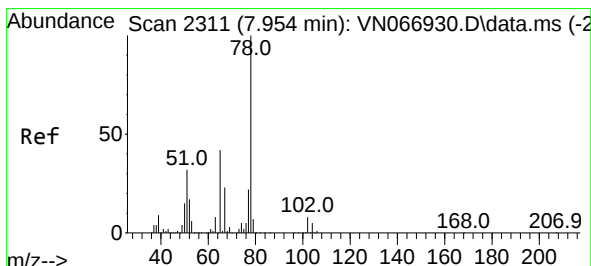
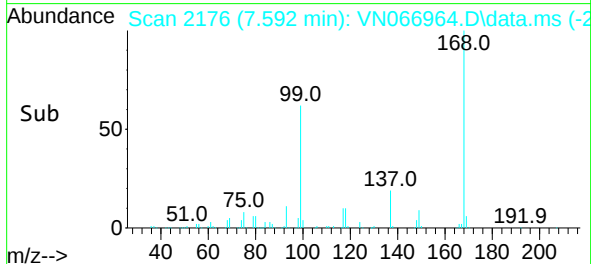
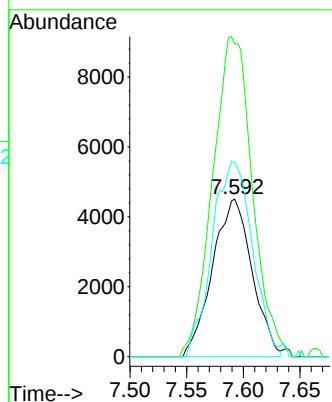


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Instrument :
MSVOA_N
ClientSampled :

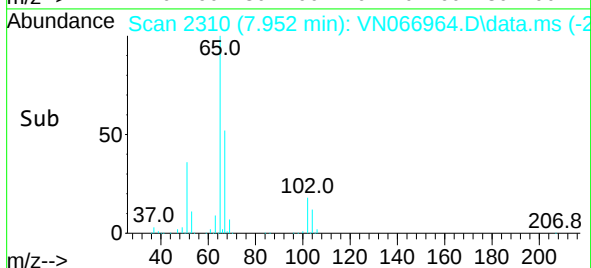
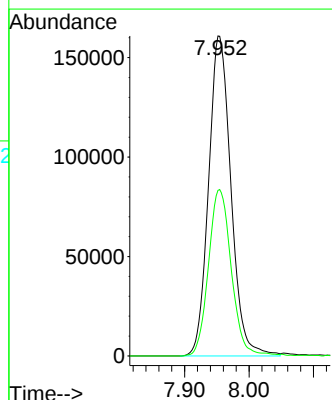
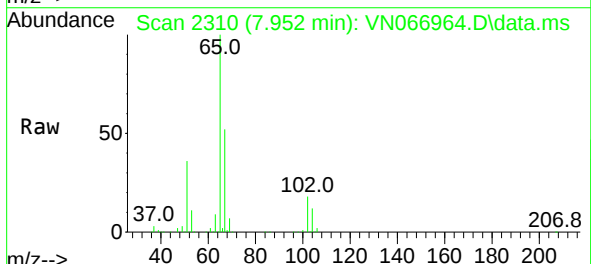


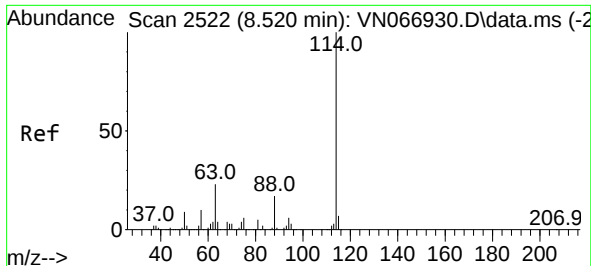
Tgt Ion: 56 Resp: 10950
Ion Ratio Lower Upper
56 100
69 198.4 26.6 39.8#
84 123.2 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 52.41 ug/l
RT: 7.952 min Scan# 2310
Delta R.T. -0.002 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

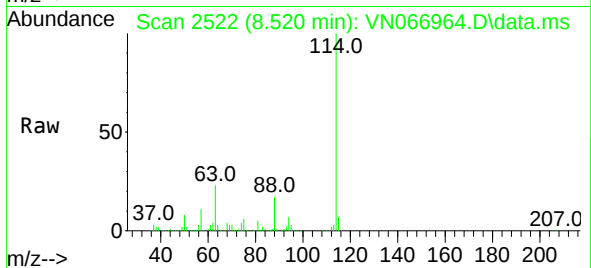
Tgt Ion: 65 Resp: 388624
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2



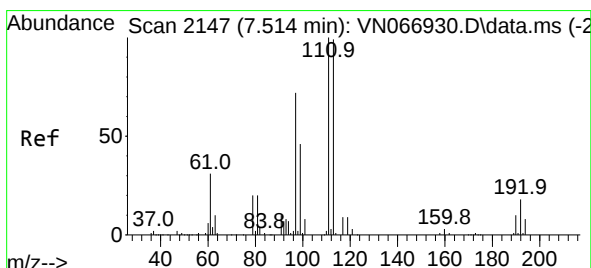
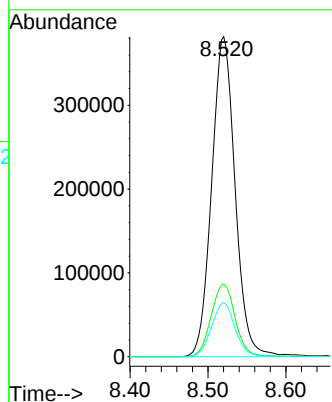
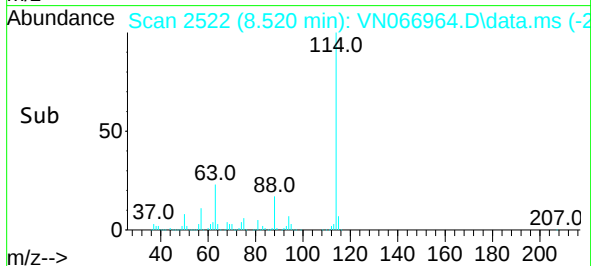


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

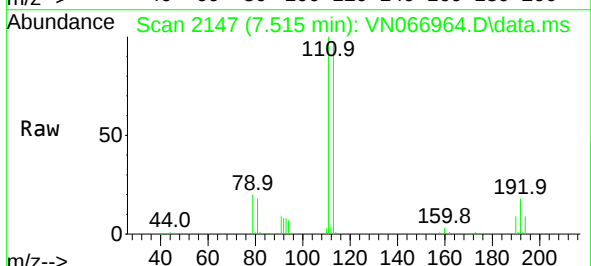
Instrument :
MSVOA_N
ClientSampled :



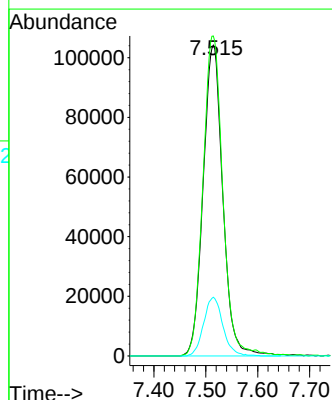
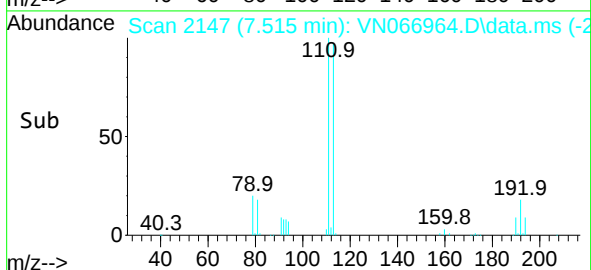
Tgt Ion:114 Resp: 795894
Ion Ratio Lower Upper
114 100
63 22.7 0.0 38.6
88 16.8 0.0 30.6

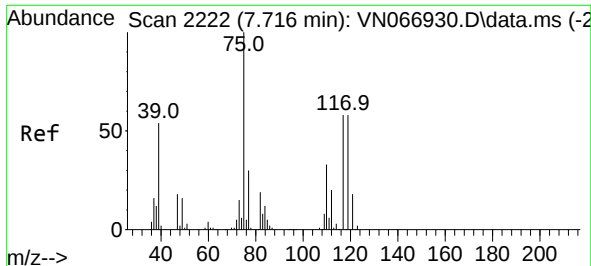


#35
Dibromofluoromethane
Concen: 50.66 ug/l
RT: 7.515 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33



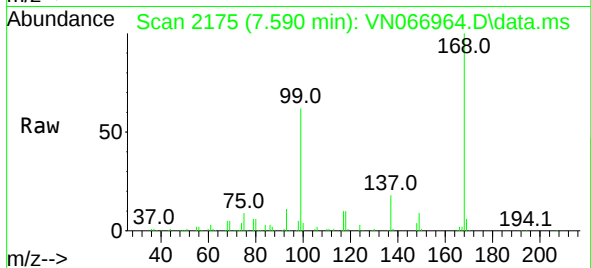
Tgt Ion:113 Resp: 273817
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.6 15.4 23.0



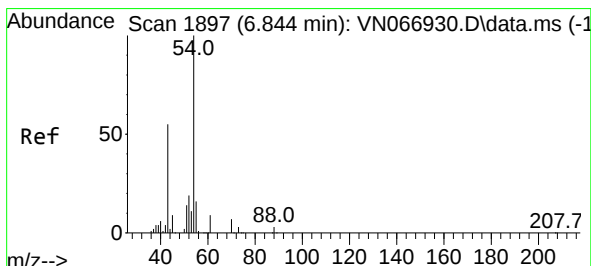
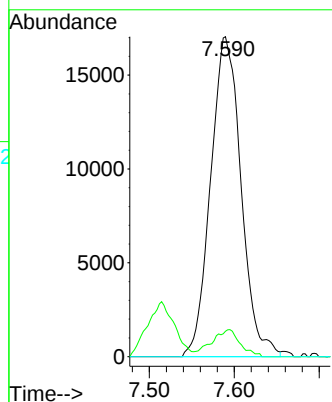
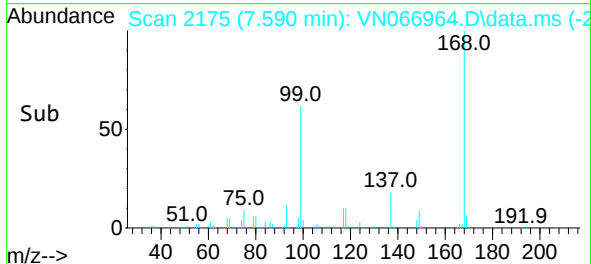


#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.126 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

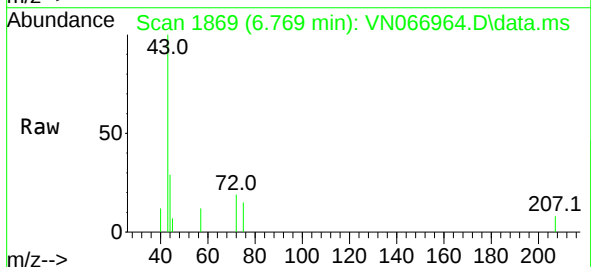
Instrument :
MSVOA_N
ClientSampled :



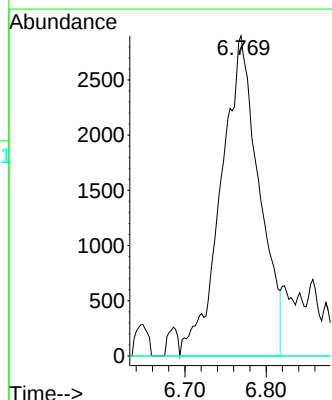
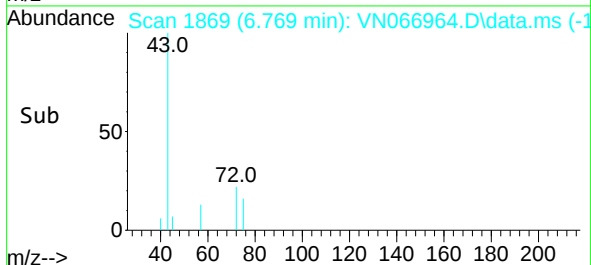
Tgt Ion: 75 Resp: 42464
Ion Ratio Lower Upper
75 100
110 8.0 18.2 54.6#
77 0.0 24.9 37.3#

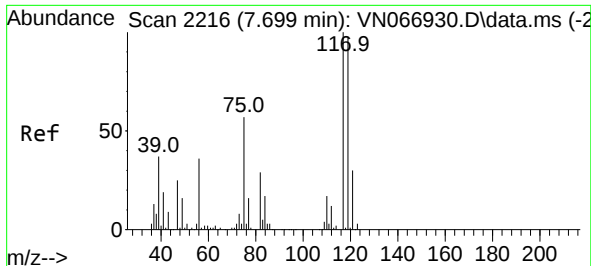


#37
Ethyl Acetate
Concen: 1.11 ug/l
RT: 6.769 min Scan# 1869
Delta R.T. -0.075 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33



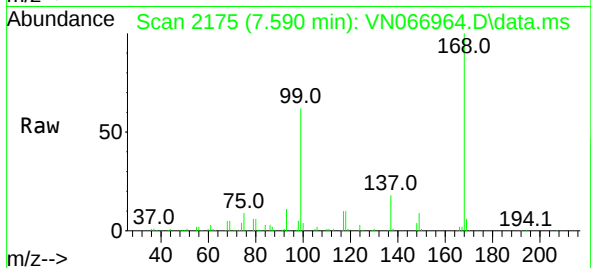
Tgt Ion: 43 Resp: 9398
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



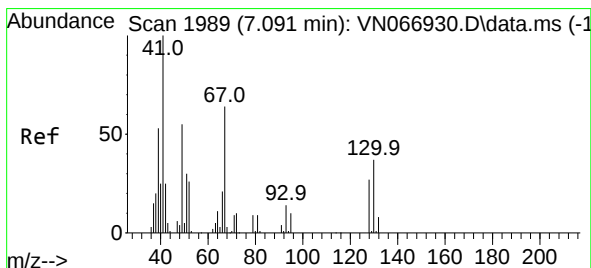
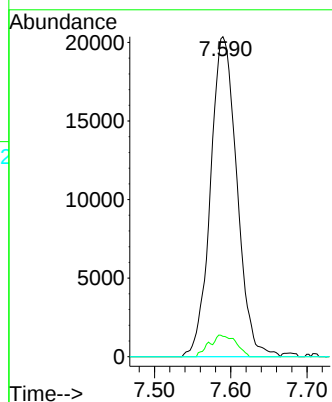
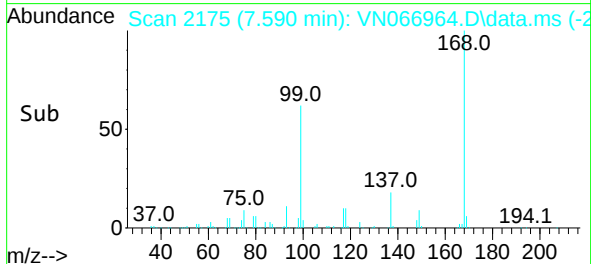


#38
Carbon Tetrachloride
Concen: 5.67 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.109 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

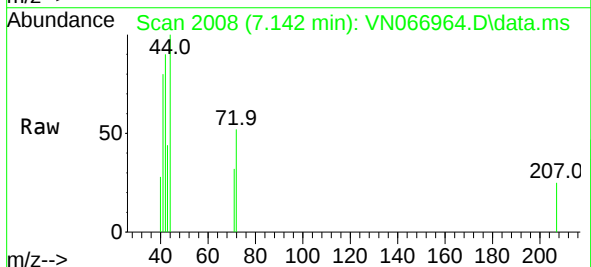
Instrument :
MSVOA_N
ClientSampleId :



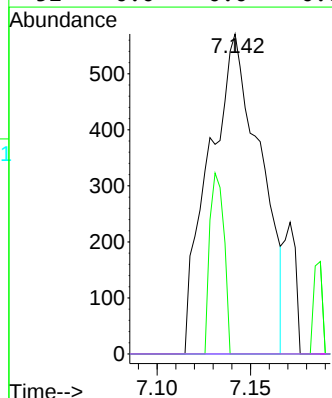
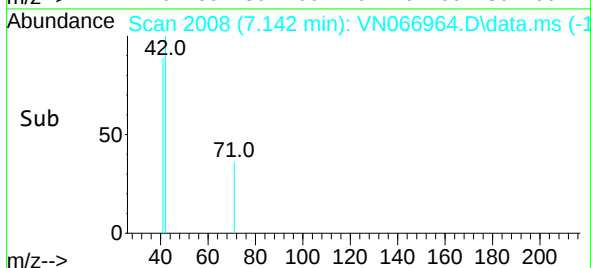
Tgt Ion: 117 Resp: 48989
Ion Ratio Lower Upper
117 100
119 6.3 76.0 114.0#
121 0.0 24.5 36.7#

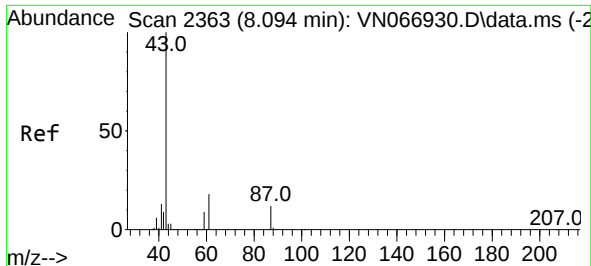


#41
Methacrylonitrile
Concen: 0.30 ug/l
RT: 7.142 min Scan# 2008
Delta R.T. 0.051 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33



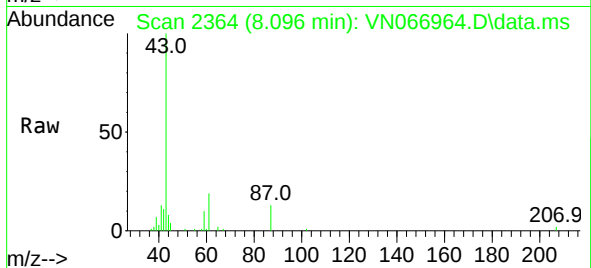
Tgt Ion: 41 Resp: 1094
Ion Ratio Lower Upper
41 100
39 15.5 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



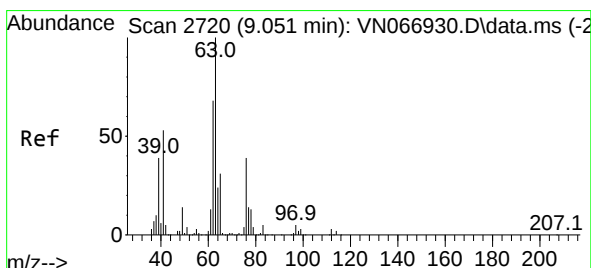
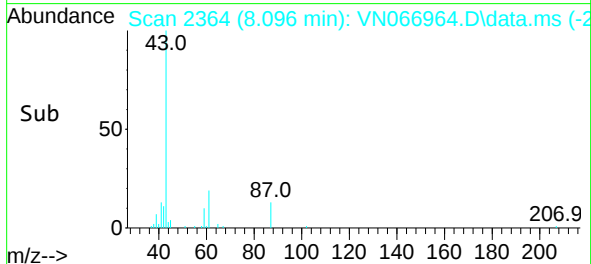
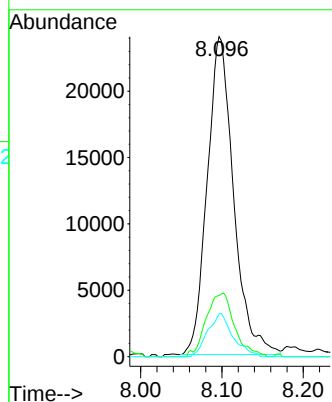


#43
Isopropyl Acetate
Concen: 3.93 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Instrument :
MSVOA_N
ClientSampled :

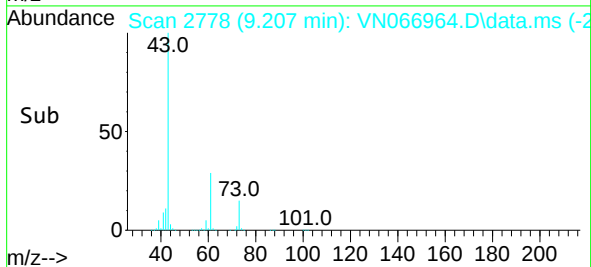
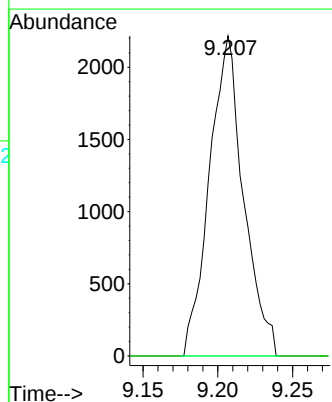
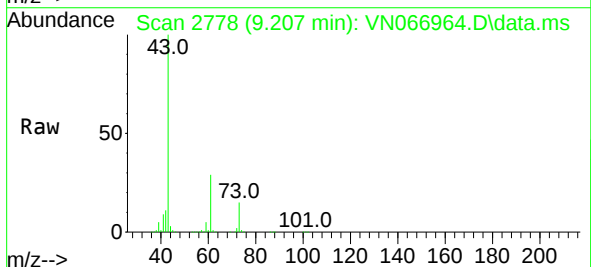


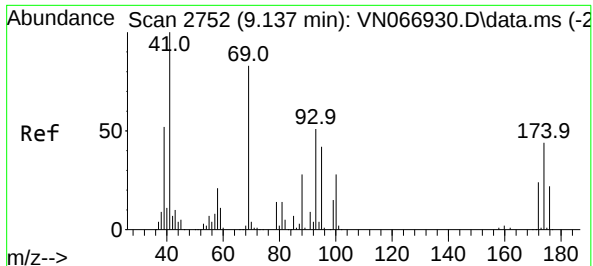
Tgt Ion: 43 Resp: 53967
Ion Ratio Lower Upper
43 100
61 21.4 22.5 33.7#
87 12.9 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.48 ug/l
RT: 9.207 min Scan# 2778
Delta R.T. 0.156 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Tgt Ion: 63 Resp: 3520
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.94 ug/l

RT: 9.116 min Scan# 2744

Delta R.T. -0.021 min

Lab File: VN066964.D

Acq: 5 May 2021 3:33

Tgt Ion: 41 Resp: 11786

Ion Ratio Lower Upper

41 100

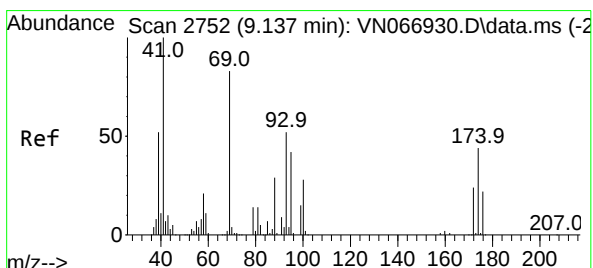
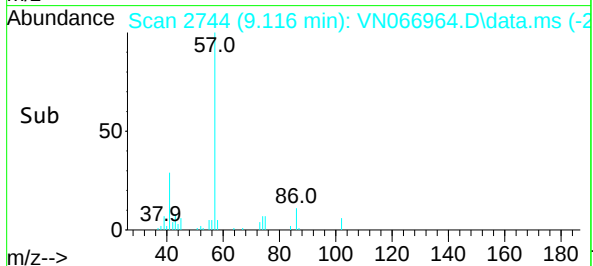
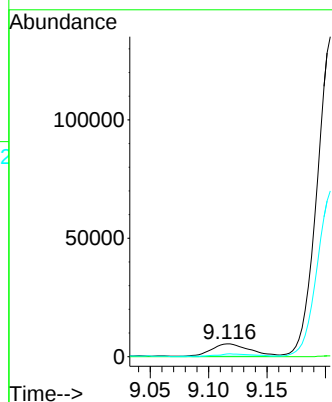
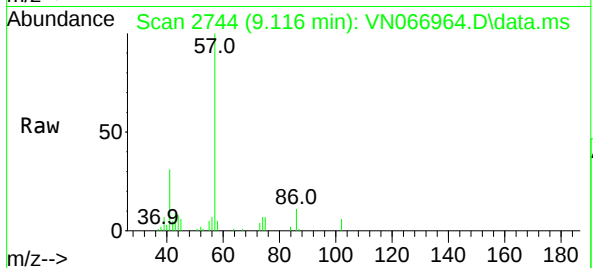
69 0.0 75.9 113.9#

39 0.0 46.6 69.8#

Instrument :

MSVOA_N

ClientSampled :



#49

1,4-Dioxane

Concen: 2.25 ug/l

RT: 9.201 min Scan# 2776

Delta R.T. 0.064 min

Lab File: VN066964.D

Acq: 5 May 2021 3:33

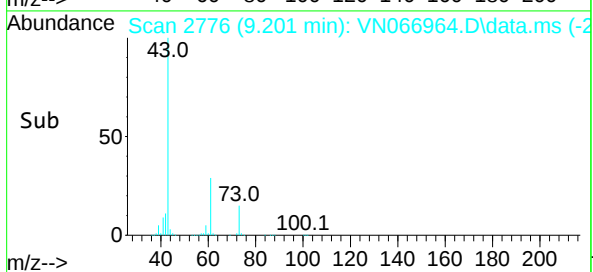
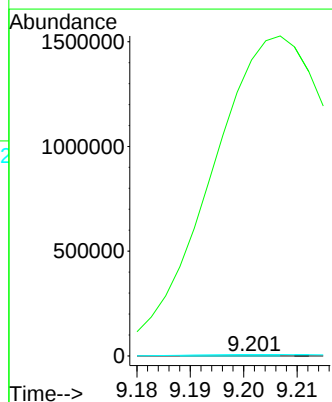
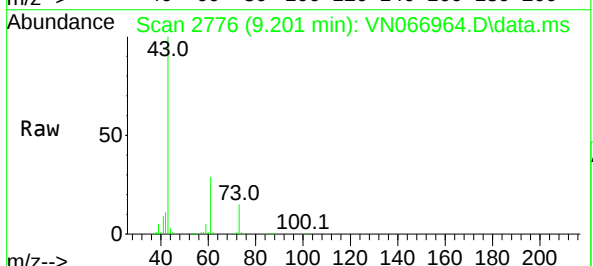
Tgt Ion: 88 Resp: 217

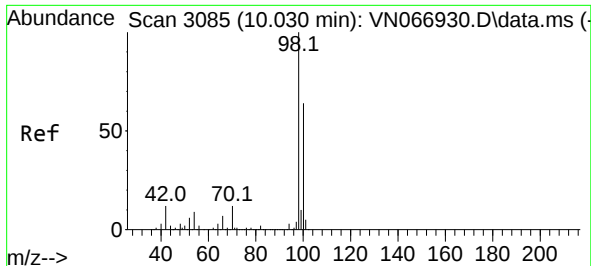
Ion Ratio Lower Upper

88 100

43 1338778.3 24.7 37.1#

58 6546.5 52.6 78.8#

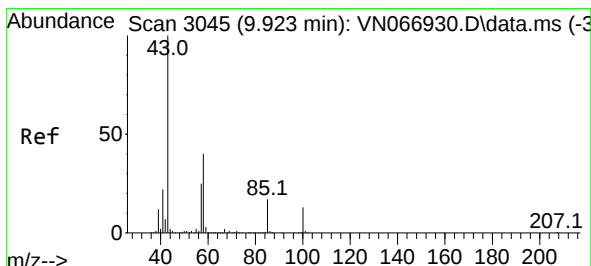
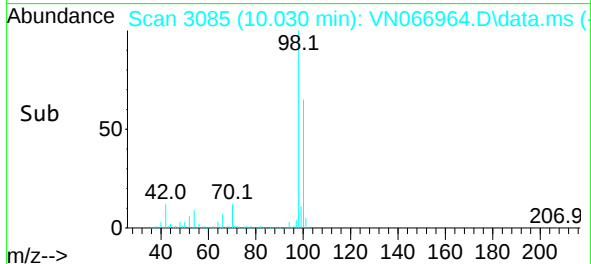
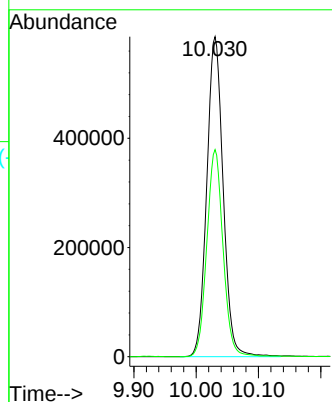
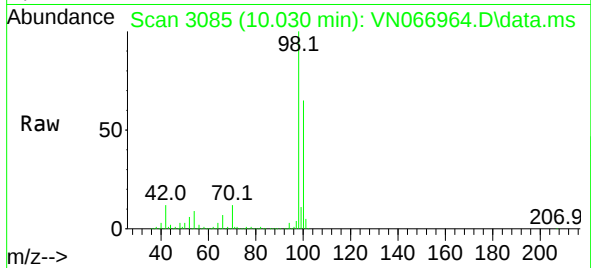




#50
Toluene-d8
Concen: 52.01 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

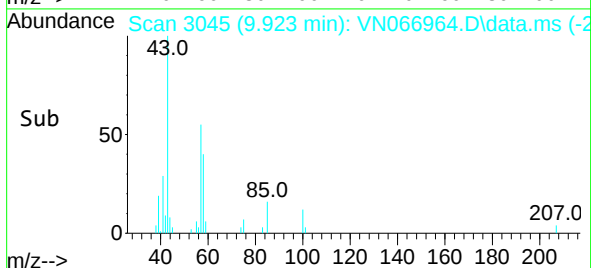
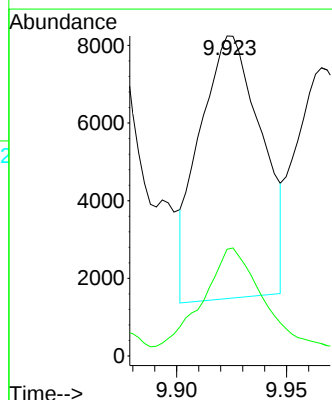
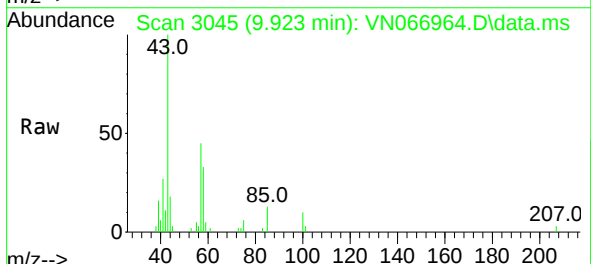
Instrument :
MSVOA_N
ClientSampled :

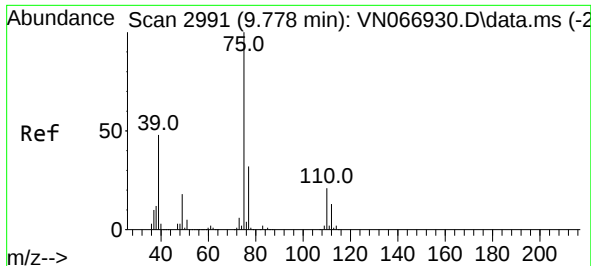
Tgt Ion: 98 Resp: 1070539
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.66 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Tgt Ion: 43 Resp: 13158
Ion Ratio Lower Upper
43 100
58 45.0 32.5 48.7

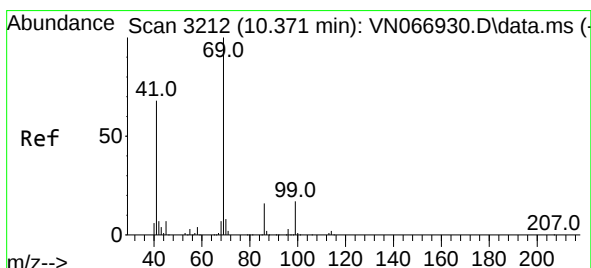
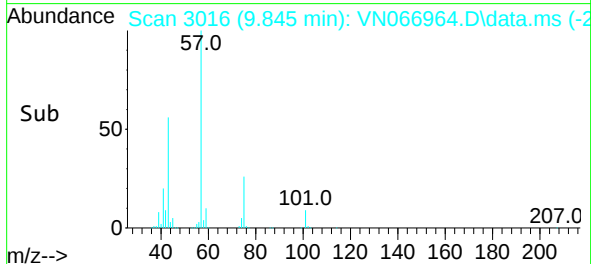
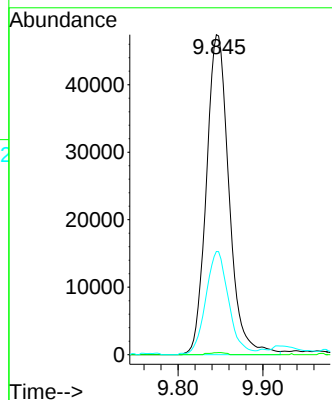
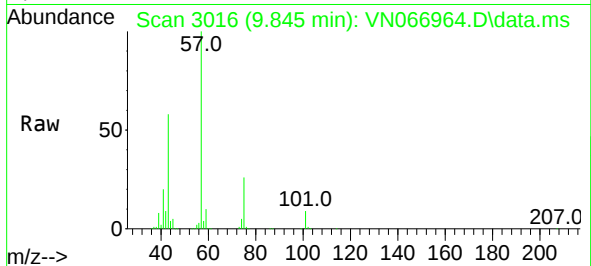




#54
cis-1,3-Dichloropropene
Concen: 8.04 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

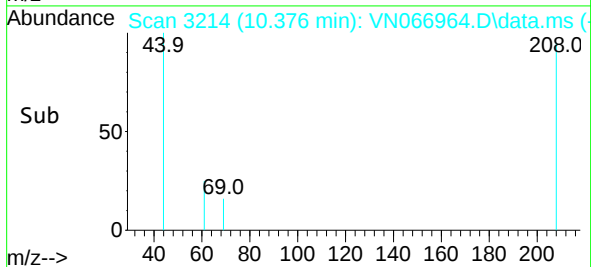
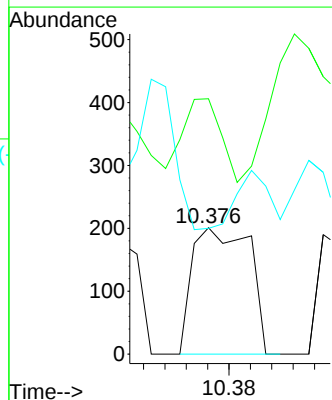
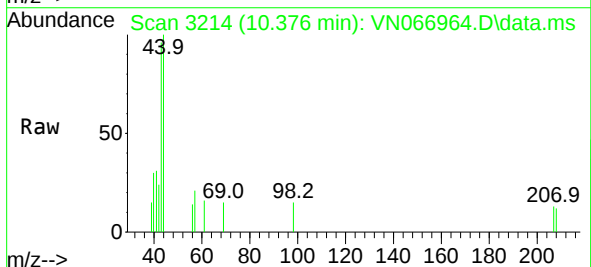
Instrument :
MSVOA_N
ClientSampleId :

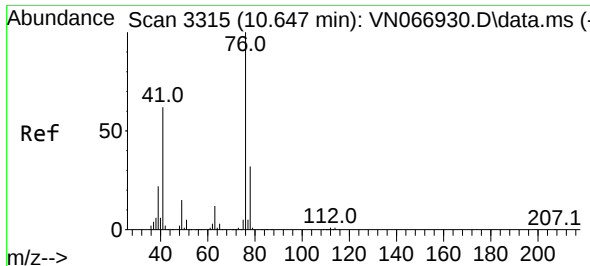
Tgt Ion: 75 Resp: 87759
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 31.8 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.376 min Scan# 3214
Delta R.T. 0.005 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Tgt Ion: 69 Resp: 148
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 314.2 28.0 42.0#

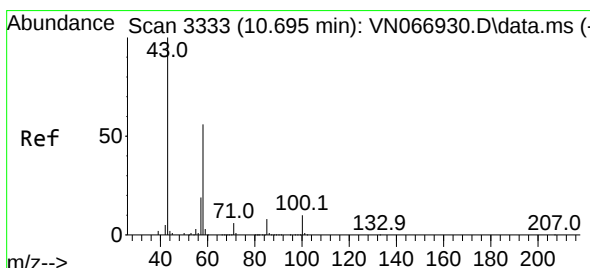
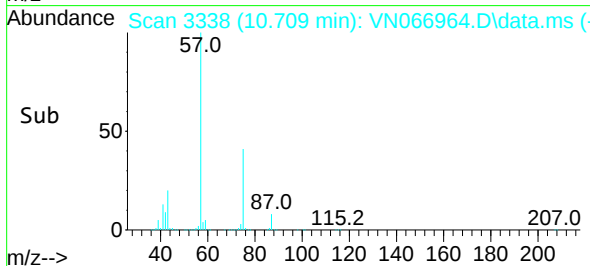
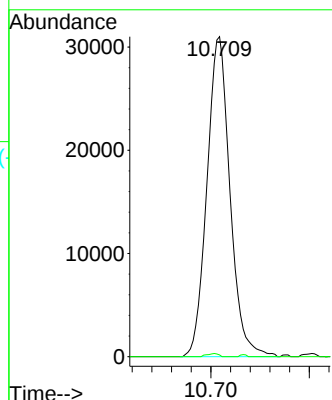
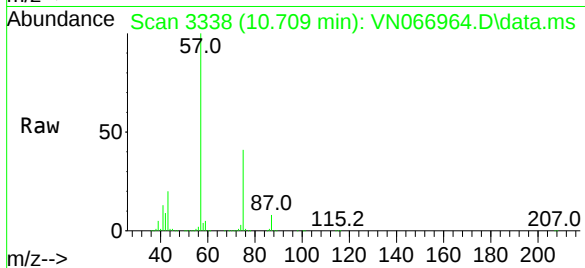




#57
1,3-Dichloropropane
Concen: 4.70 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

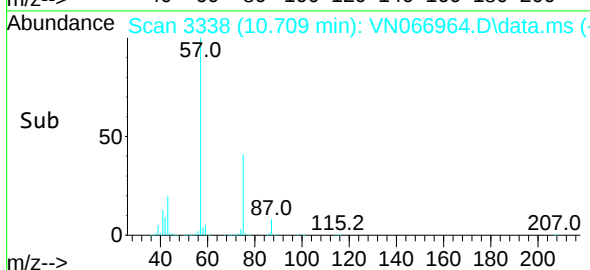
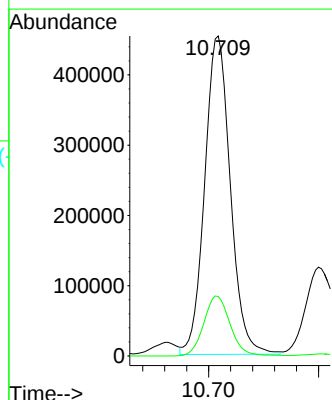
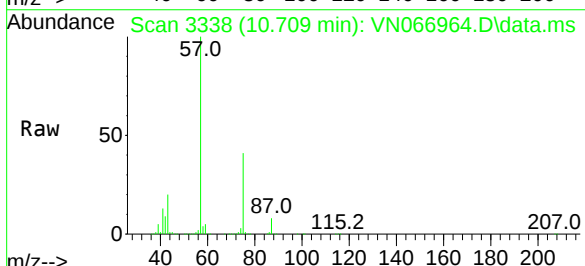
Instrument :
MSVOA_N
ClientSampled :

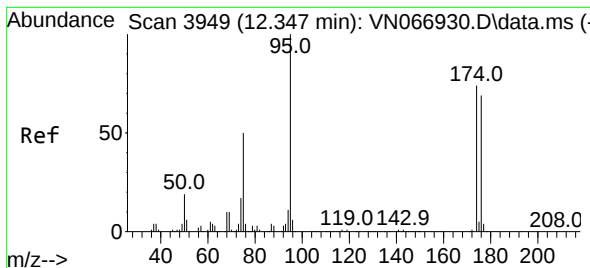
Tgt Ion: 76 Resp: 50512
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 140.83 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Tgt Ion: 43 Resp: 734861
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#

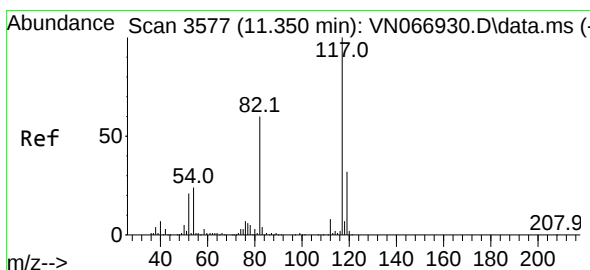
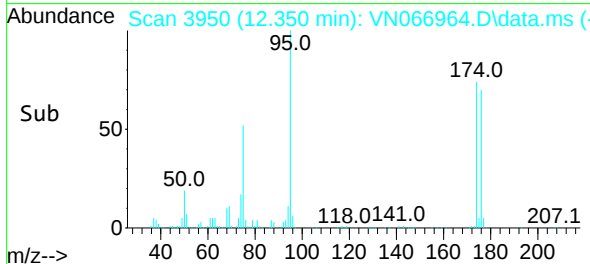
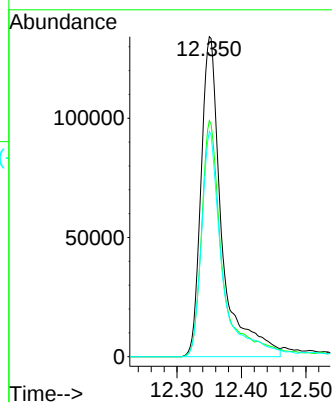
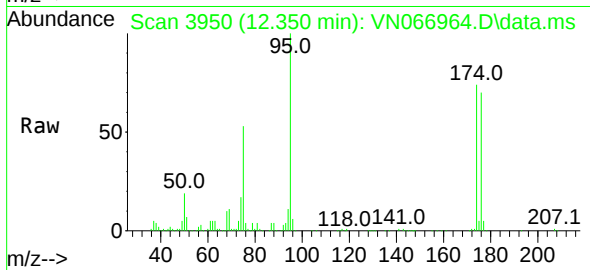




#62
4-Bromofluorobenzene
Concen: 43.34 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

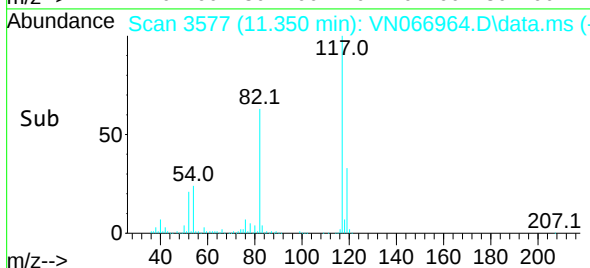
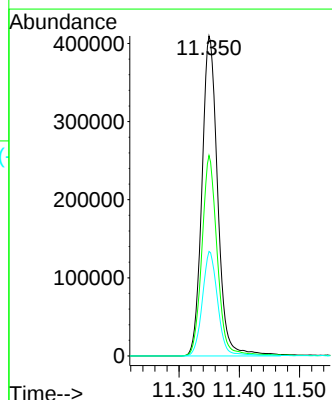
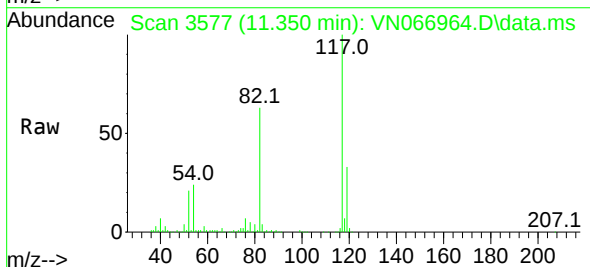
Instrument :
MSVOA_N
ClientSampleId :

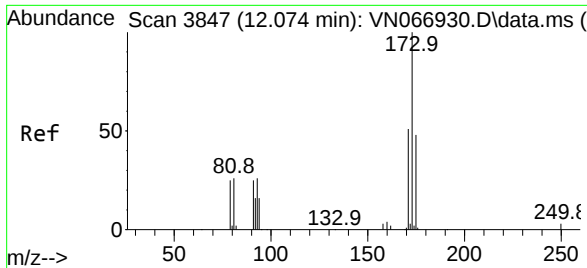
Tgt Ion: 95 Resp: 302039
Ion Ratio Lower Upper
95 100
174 69.5 0.0 169.0
176 70.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Tgt Ion: 117 Resp: 743326
Ion Ratio Lower Upper
117 100
82 62.7 43.7 65.5
119 32.6 26.1 39.1

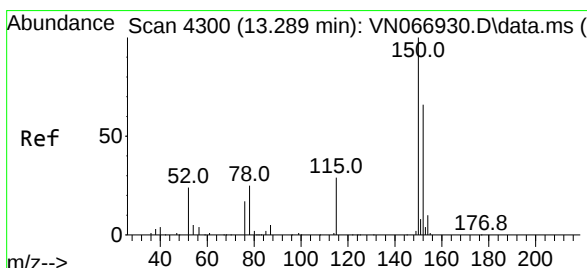
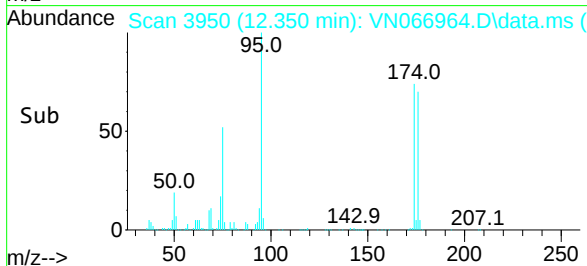
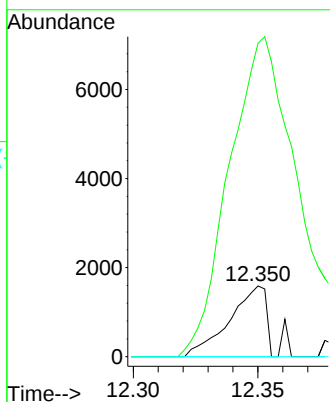
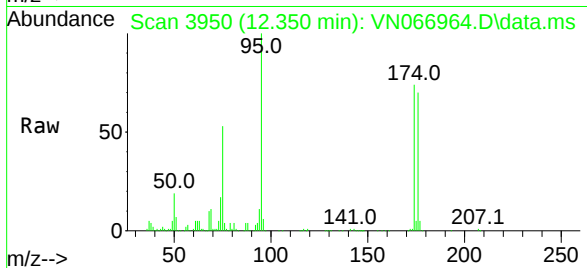




#71
Bromoform
Concen: 0.37 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

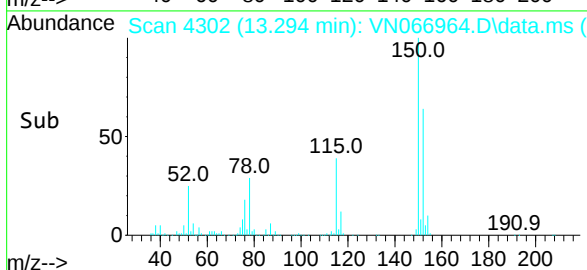
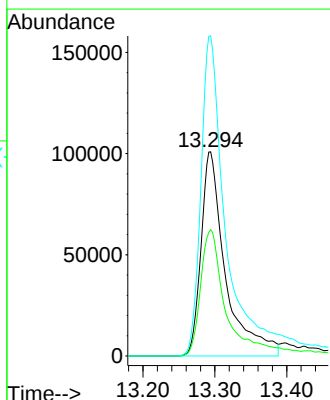
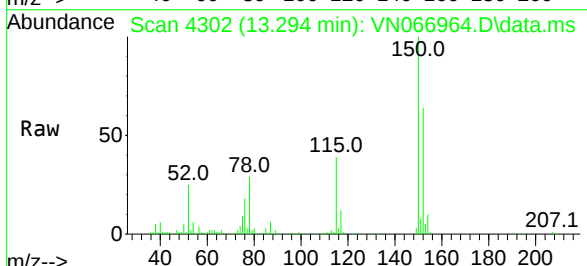
Instrument :
MSVOA_N
ClientSampled :

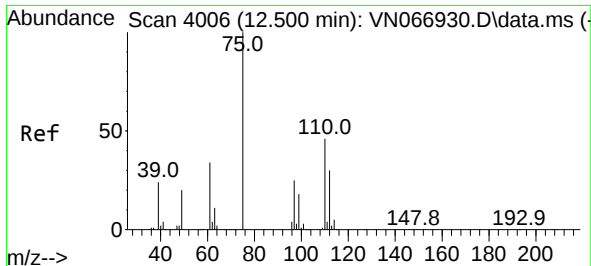
Tgt Ion:173 Resp: 1628
Ion Ratio Lower Upper
173 100
175 682.7 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

Tgt Ion:152 Resp: 239747
Ion Ratio Lower Upper
152 100
115 65.3 28.5 85.6
150 166.2 0.0 347.6

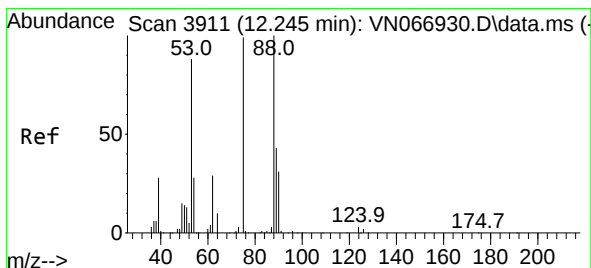
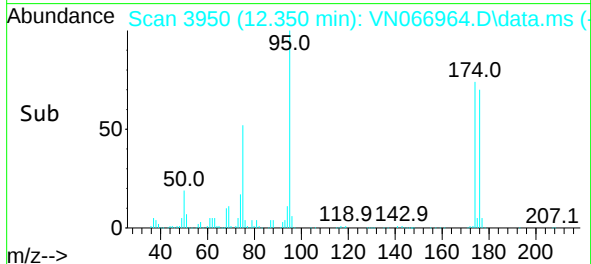
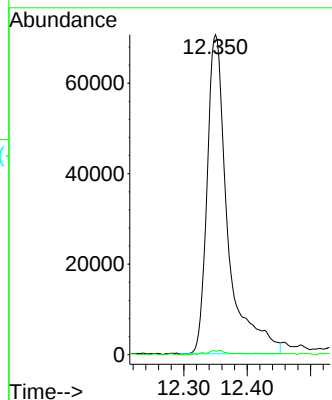
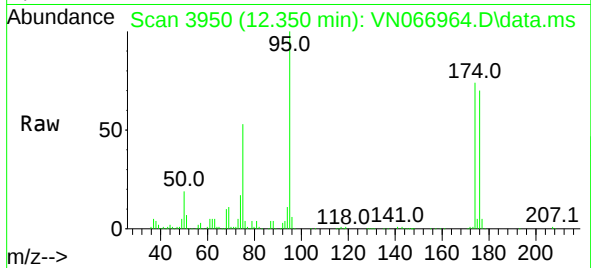




#76
1,2,3-Trichloropropane
Concen: 27.99 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

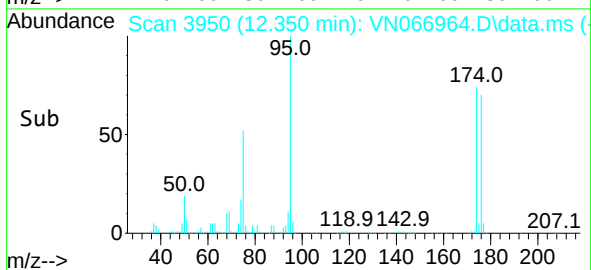
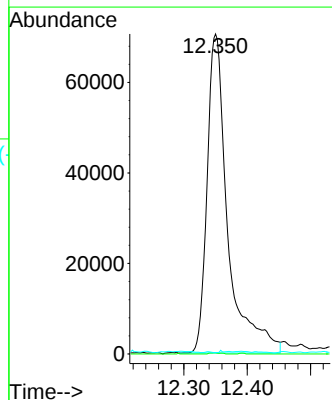
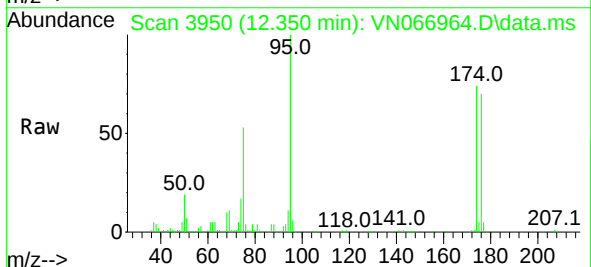
Instrument :
MSVOA_N
ClientSampled :

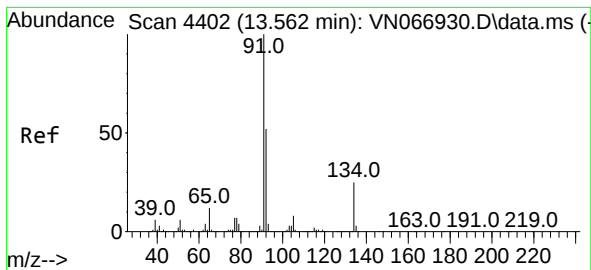
Tgt Ion: 75 Resp: 159833
Ion Ratio Lower Upper
75 100
77 0.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.55 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066964.D
Acq: 5 May 2021 3:33

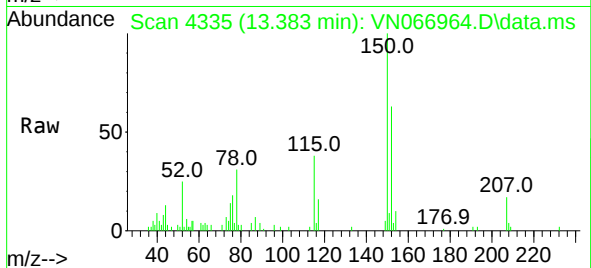
Tgt Ion: 75 Resp: 159833
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.1 35.8 53.8#





#89
 n-Butylbenzene
 Concen: 5.24 ug/l
 RT: 13.383 min Scan# 4335
 Delta R.T. -0.179 min
 Lab File: VN066964.D
 Acq: 5 May 2021 3:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	91	Resp:	26
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.1	78.3#
134	0.0	13.0	38.9#

