

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030921\
 Data File : VN066155.D
 Acq On : 9 Mar 2021 15:04
 Operator : JC/MD
 Sample : VN0309WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 02:55:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 09 14:48:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	196297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	342448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	298431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	114987	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	185118	49.98	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.96%
35) Dibromofluoromethane	7.507	113	118445	50.70	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.40%
50) Toluene-d8	10.028	98	453162	49.30	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.60%
62) 4-Bromofluorobenzene	12.345	95	148345	43.35	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.70%

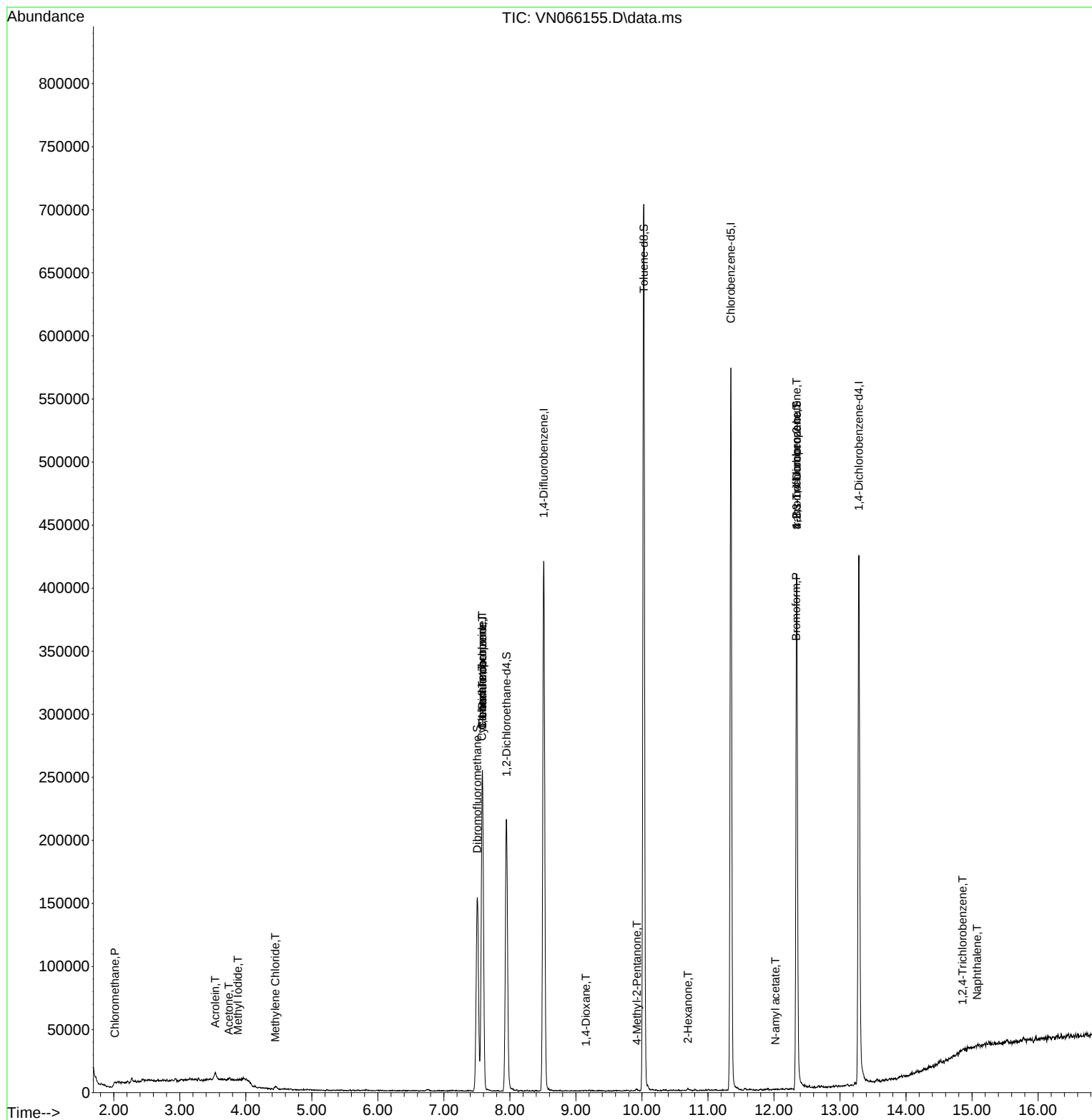
Target Compounds						Qvalue
3) Chloromethane	2.017	50	1665	0.38	ug/l #	87
10) Methyl Iodide	3.881	142	130	2.74	ug/l #	43
13) Acrolein	3.540	56	5672	0.69	ug/l	91
16) Acetone	3.741	43	1536	0.82	ug/l #	71
20) Methylene Chloride	4.449	84	764	0.28	ug/l #	87
31) Cyclohexane	7.579	56	4970	0.93	ug/l #	21
36) 1,1-Dichloropropene	7.582	75	17498	4.49	ug/l #	44
38) Carbon Tetrachloride	7.582	117	19644	5.79	ug/l #	17
49) 1,4-Dioxane	9.153	88	26	0.60	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	1708	0.29	ug/l #	57
59) 2-Hexanone	10.698	43	1194	0.29	ug/l #	59
71) Bromoform	12.337	173	418	0.24	ug/l #	29
74) N-amyl acetate	12.023	43	107	2.99	ug/l #	42
76) 1,2,3-Trichloropropane	12.345	75	79537	23.08	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	79537	72.06	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.858	180	366	2.35	ug/l #	66
95) Naphthalene	15.078	128	1962	0.28	ug/l #	71

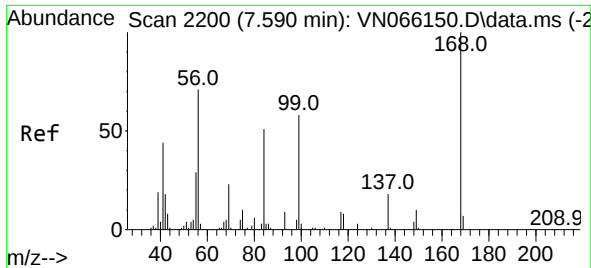
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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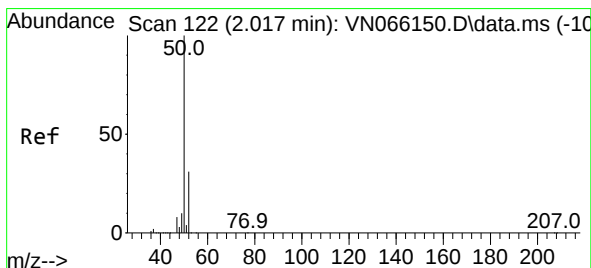
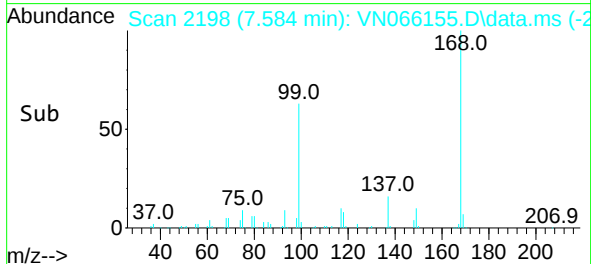
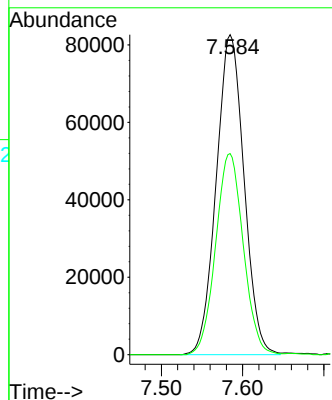
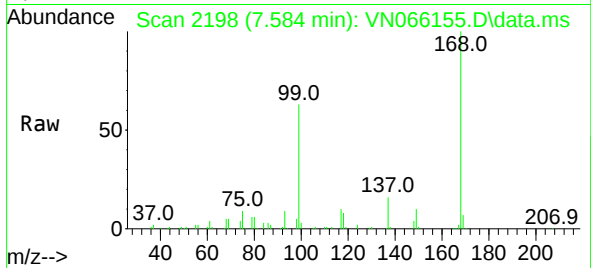




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.006 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

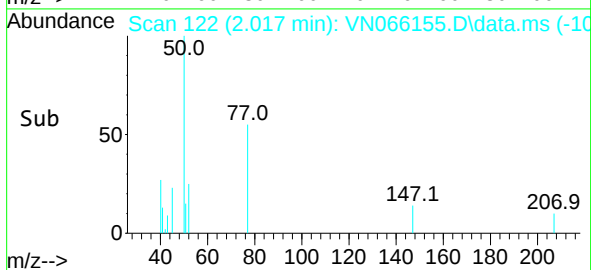
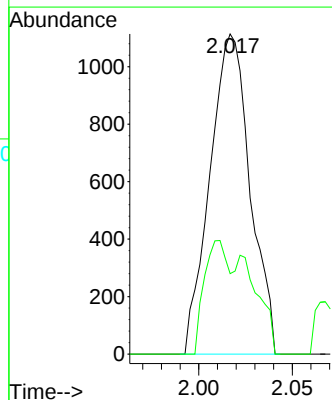
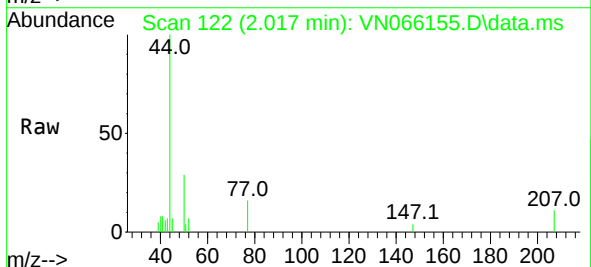
Instrument :
MSVOA_N
ClientSampled :

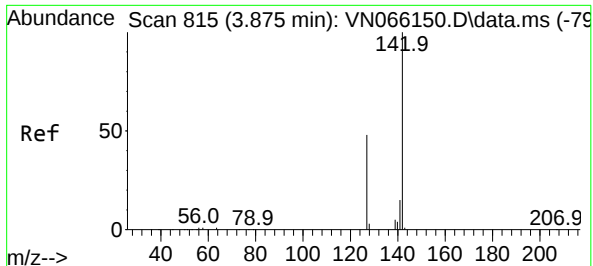
Tgt Ion:168 Resp: 196297
Ion Ratio Lower Upper
168 100
99 62.9 42.6 63.8



#3
Chloromethane
Concen: 0.38 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Tgt Ion: 50 Resp: 1665
Ion Ratio Lower Upper
50 100
52 25.1 25.8 38.8#





#10

Methyl Iodide

Concen: 2.74 ug/l

RT: 3.881 min Scan# 817

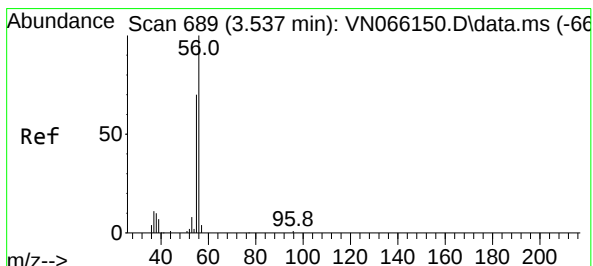
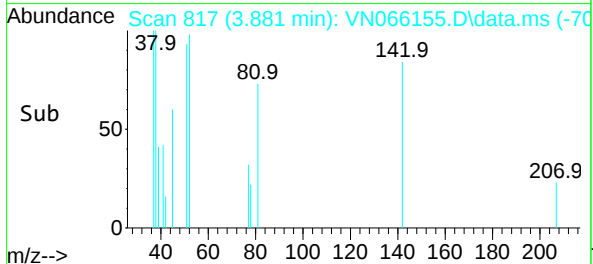
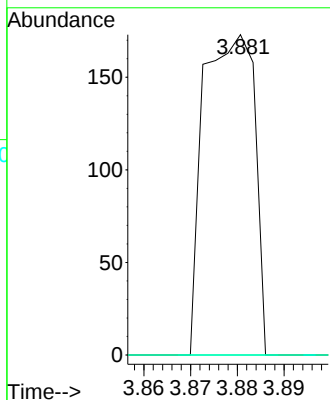
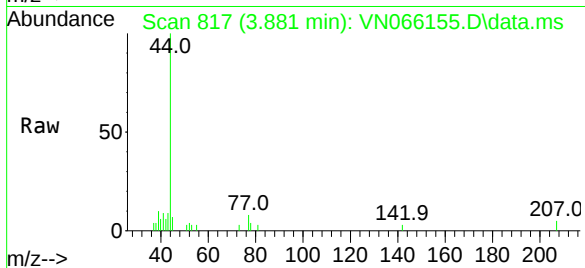
Delta R.T. 0.006 min

Lab File: VN066155.D

Acq: 9 Mar 2021 15:04

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:142 Resp: 130
Ion Ratio Lower Upper
142 100
127 0.0 31.7 47.5#
141 0.0 10.9 16.3#



#13

Acrolein

Concen: 0.69 ug/l

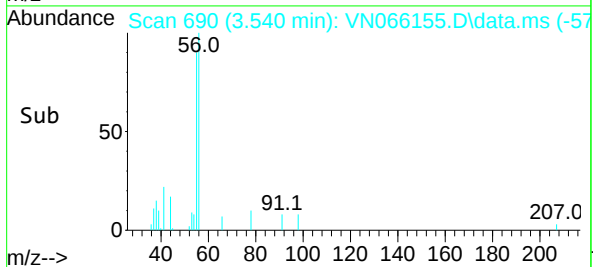
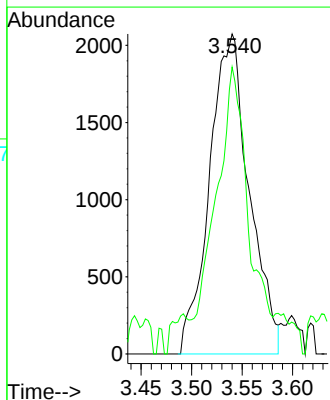
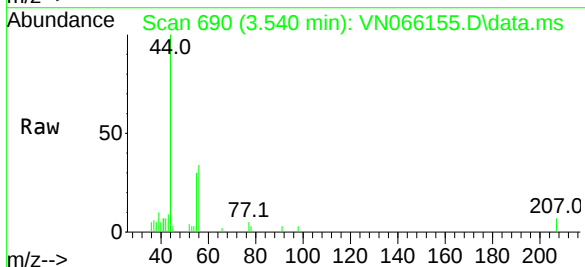
RT: 3.540 min Scan# 690

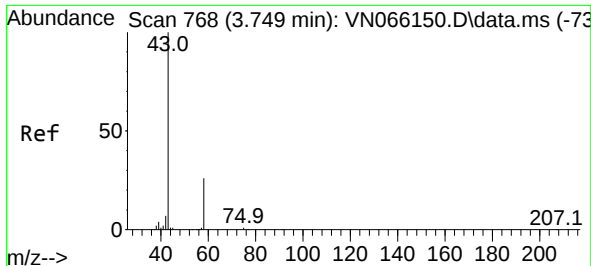
Delta R.T. 0.003 min

Lab File: VN066155.D

Acq: 9 Mar 2021 15:04

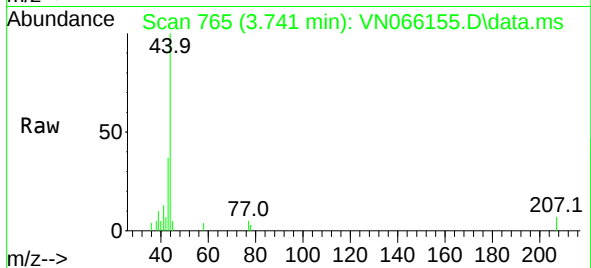
Tgt Ion: 56 Resp: 5672
Ion Ratio Lower Upper
56 100
55 62.6 56.0 84.0



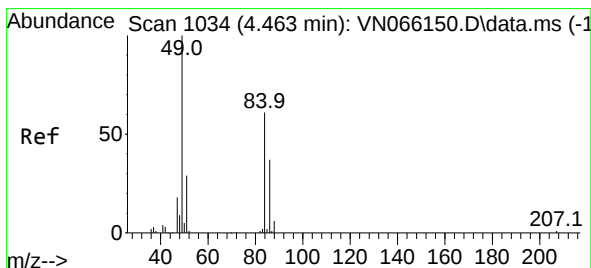
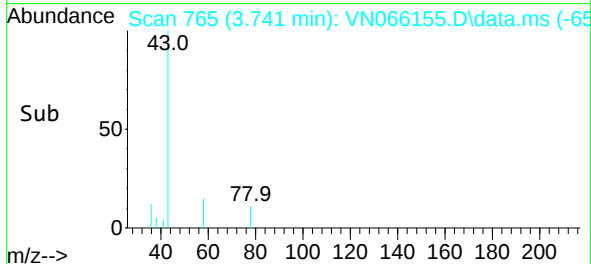
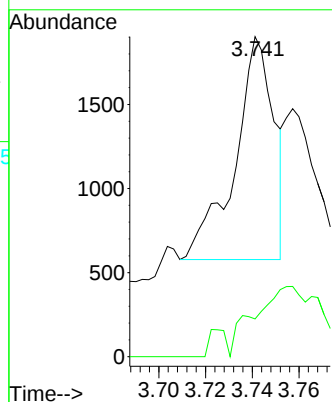


#16
Acetone
Concen: 0.82 ug/l
RT: 3.741 min Scan# 765
Delta R.T. -0.008 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

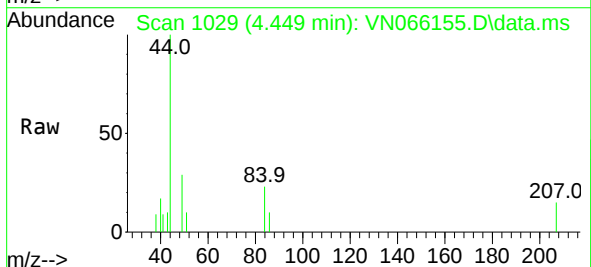
Instrument :
MSVOA_N
ClientSampleId :



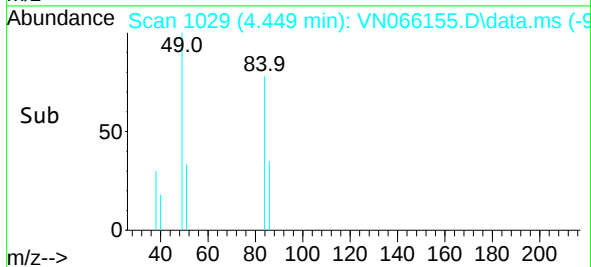
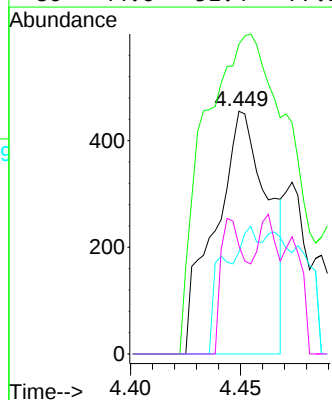
Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
58 17.0 27.0 40.6#

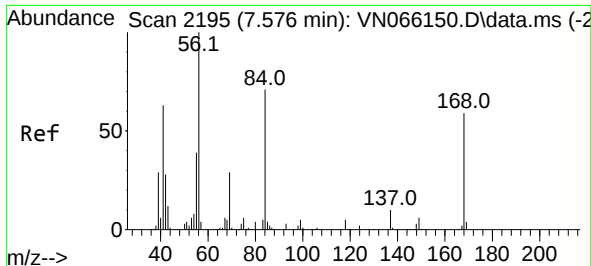


#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 4.449 min Scan# 1029
Delta R.T. -0.014 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04



Tgt Ion: 84 Resp: 764
Ion Ratio Lower Upper
84 100
49 127.7 94.6 141.8
51 42.0 29.9 44.9
86 44.6 51.4 77.2#

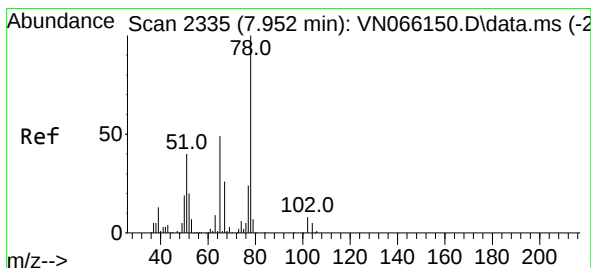
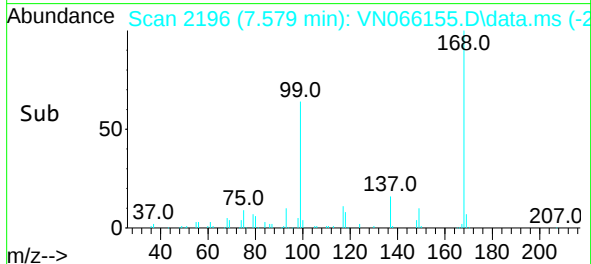
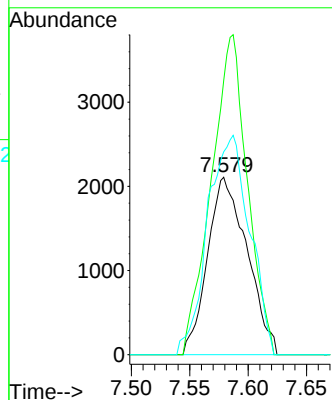
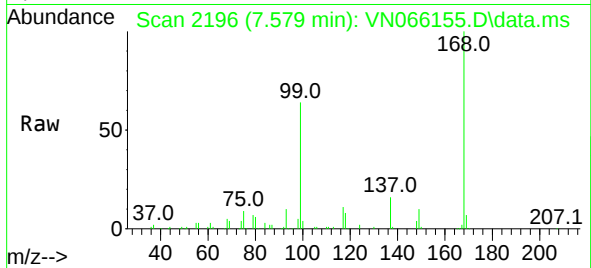




#31
Cyclohexane
Concen: 0.93 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

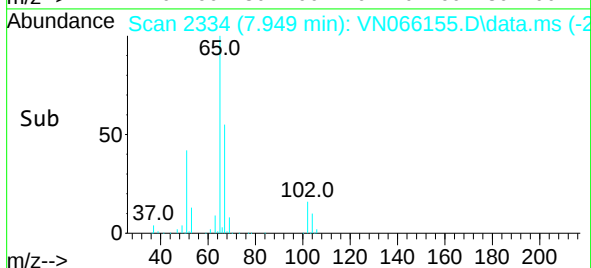
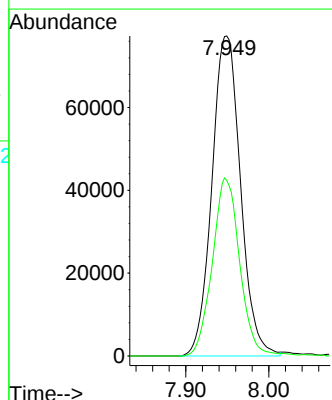
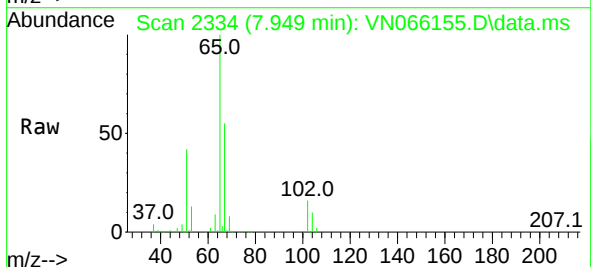
Instrument :
MSVOA_N
ClientSampleId :

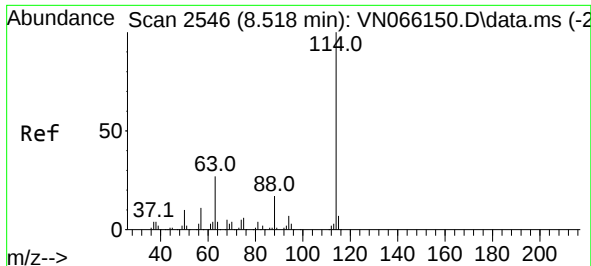
Tgt Ion: 56 Resp: 4970
Ion Ratio Lower Upper
56 100
69 154.5 26.6 39.8#
84 114.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.98 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. -0.003 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Tgt Ion: 65 Resp: 185118
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2

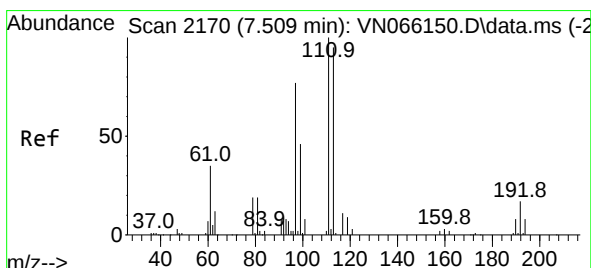
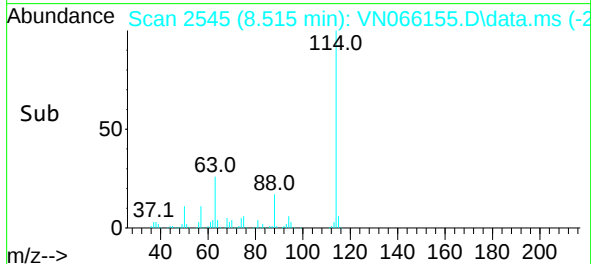
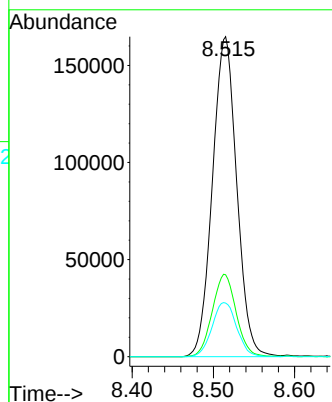
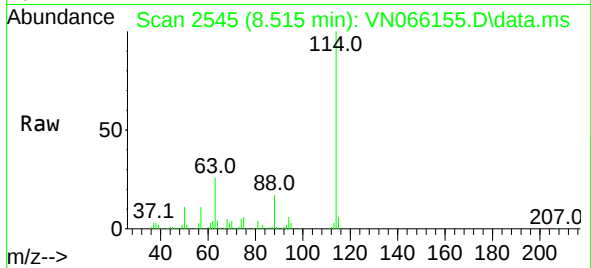




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. -0.003 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

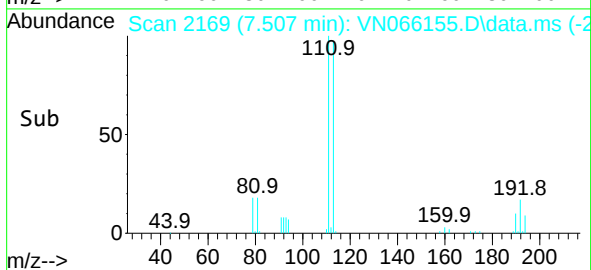
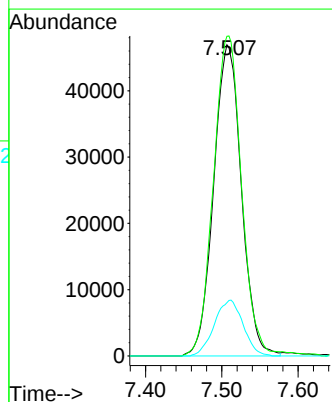
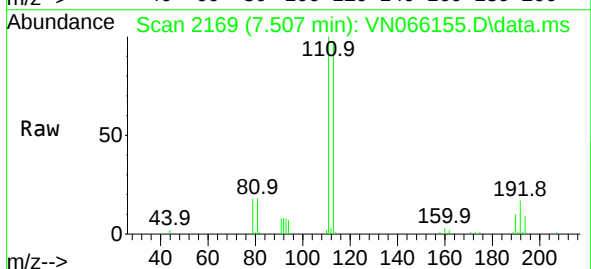
Instrument :
MSVOA_N
ClientSampleId :

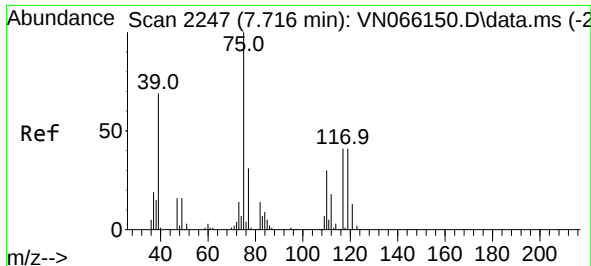
Tgt Ion:114 Resp: 342448
Ion Ratio Lower Upper
114 100
63 25.6 0.0 38.6
88 16.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.70 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Tgt Ion:113 Resp: 118445
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.2
192 18.7 15.4 23.0



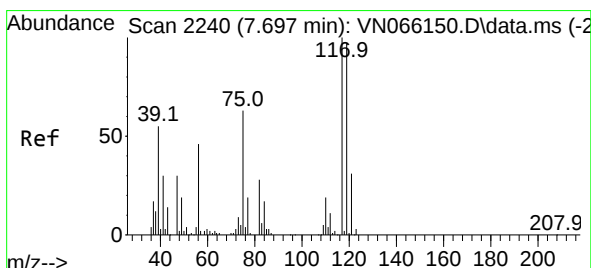
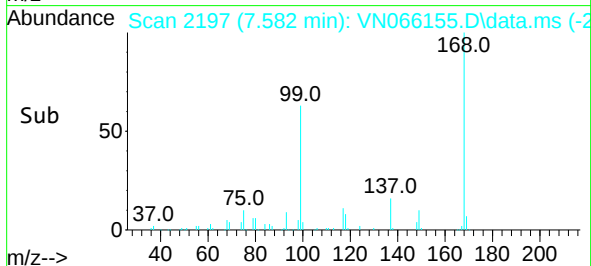
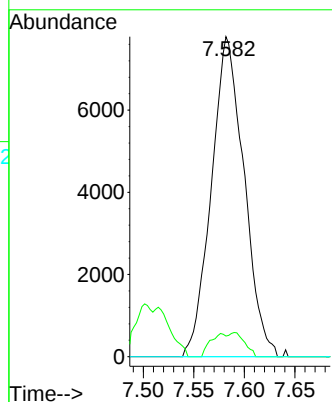
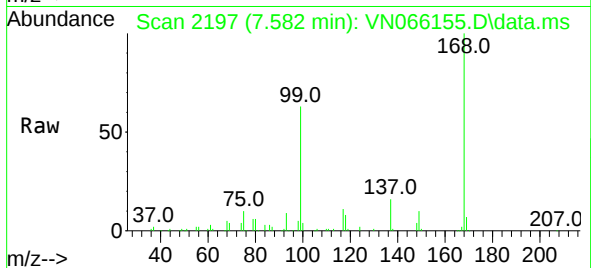


#36

1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.134 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Instrument :
MSVOA_N
ClientSampleId :

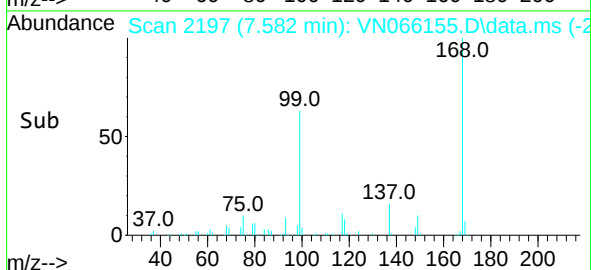
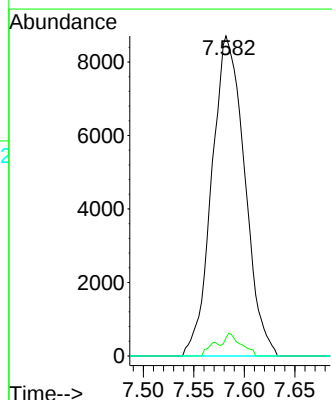
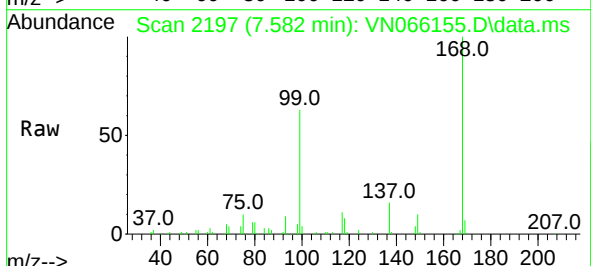
Tgt Ion: 75 Resp: 17498
Ion Ratio Lower Upper
75 100
110 3.5 18.2 54.6#
77 0.0 24.9 37.3#

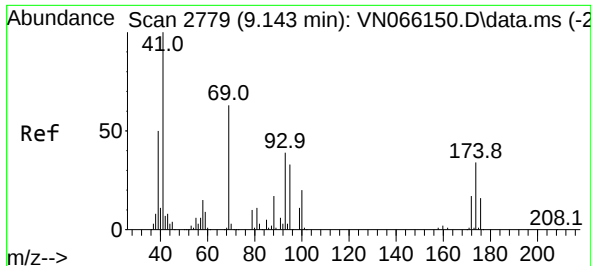


#38

Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.115 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

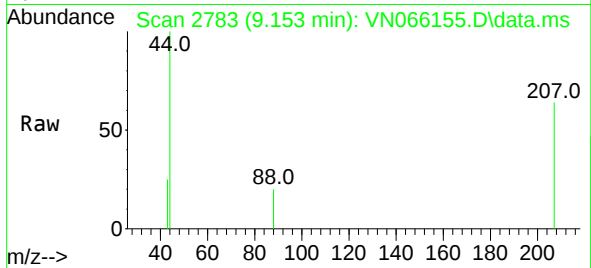
Tgt Ion: 117 Resp: 19644
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#





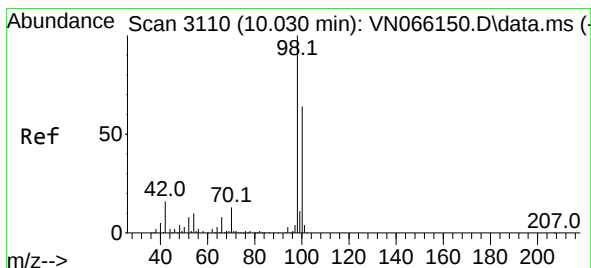
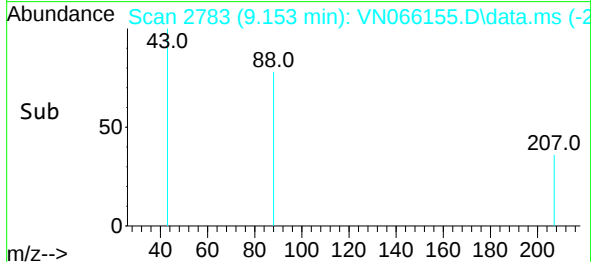
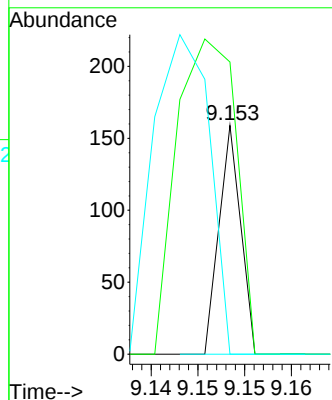
#49
1,4-Dioxane
Concen: 0.60 ug/l
RT: 9.153 min Scan# 2783
Delta R.T. 0.010 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 88 Resp: 26

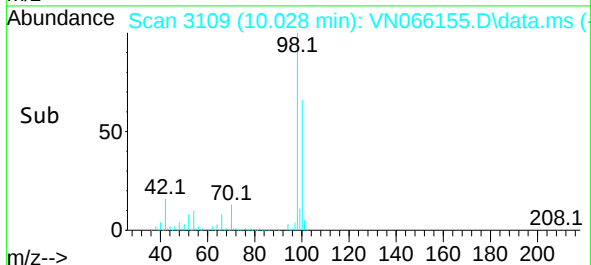
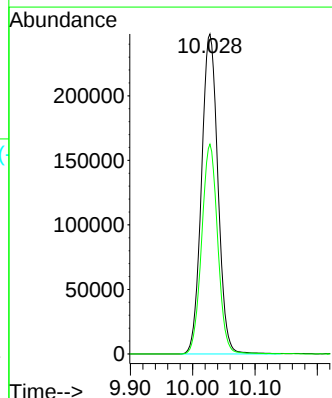
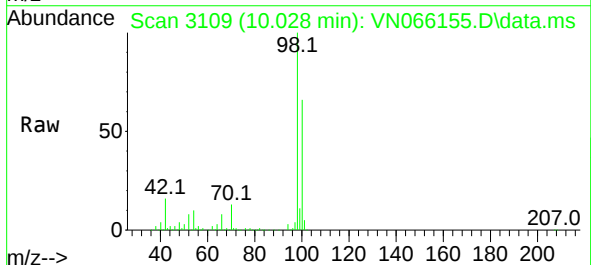
Ion	Ratio	Lower	Upper
88	100		
43	369.2	24.7	37.1#
58	357.7	52.6	78.8#

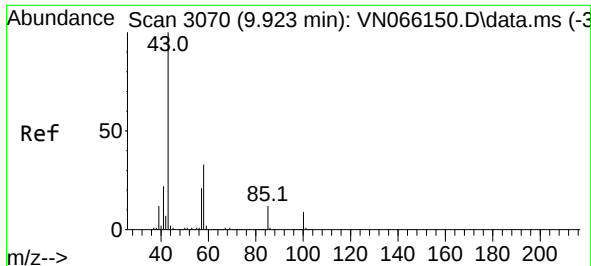


#50
Toluene-d8
Concen: 49.30 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Tgt Ion: 98 Resp: 453162

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.5	75.7

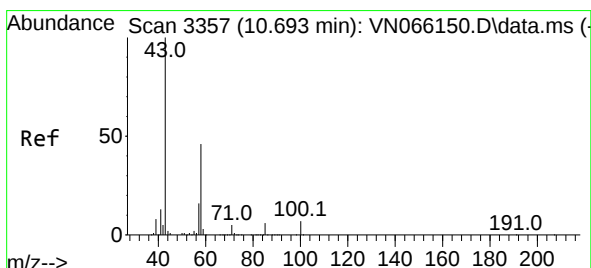
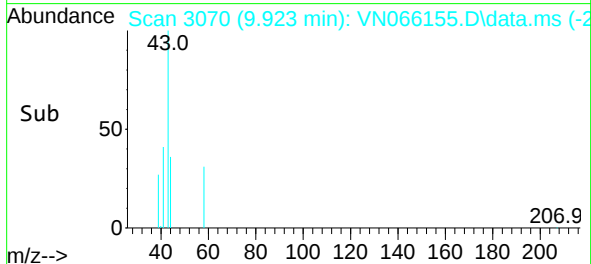
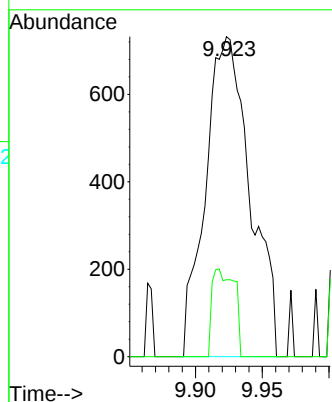
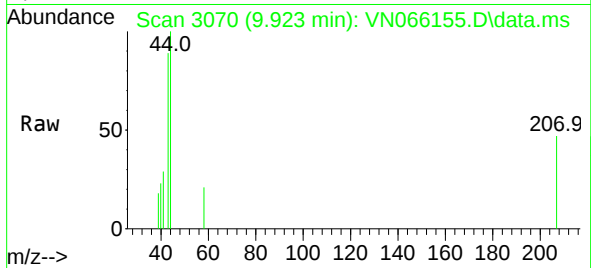




#51
4-Methyl-2-Pentanone
Concen: 0.29 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

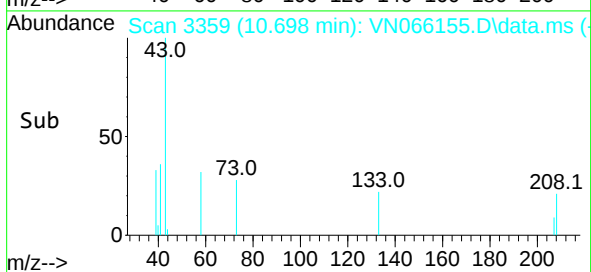
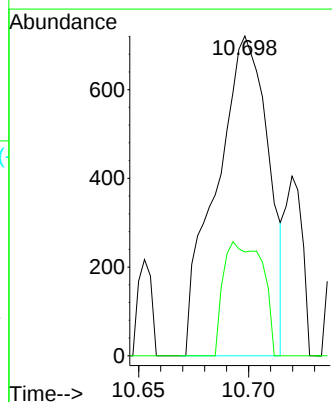
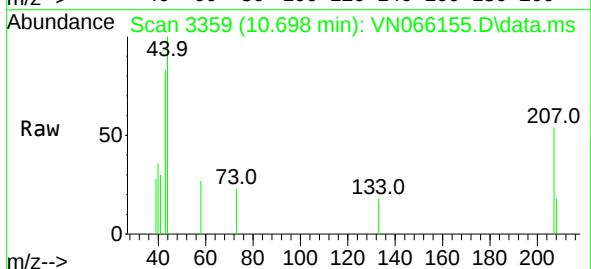
Instrument :
MSVOA_N
ClientSampleId :

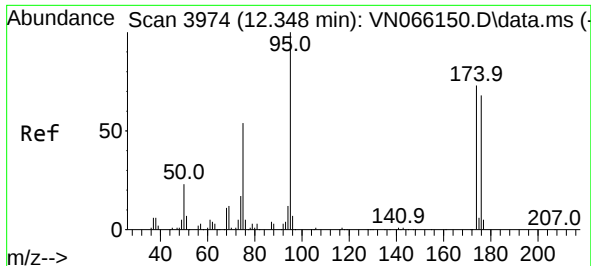
Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
58 13.6 32.5 48.7#



#59
2-Hexanone
Concen: 0.29 ug/l
RT: 10.698 min Scan# 3359
Delta R.T. 0.005 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

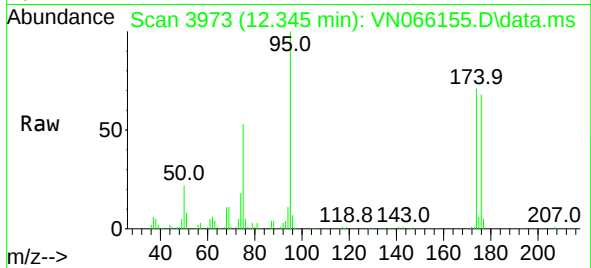
Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
58 26.3 28.1 84.3#



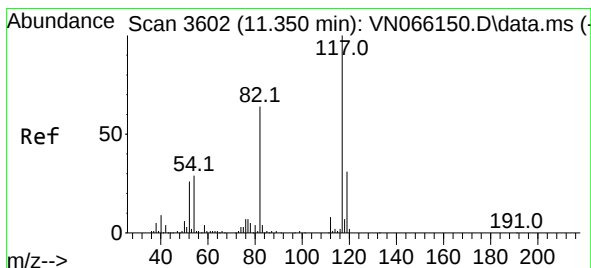
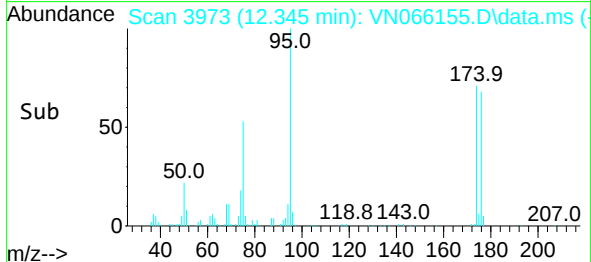
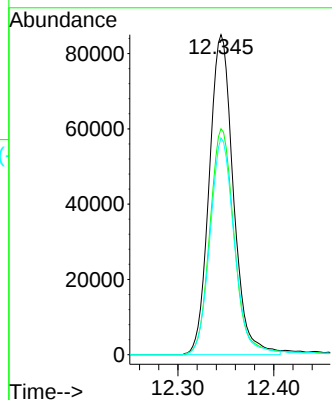


#62
4-Bromofluorobenzene
Concen: 43.35 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.003 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Instrument :
MSVOA_N
ClientSampleId :

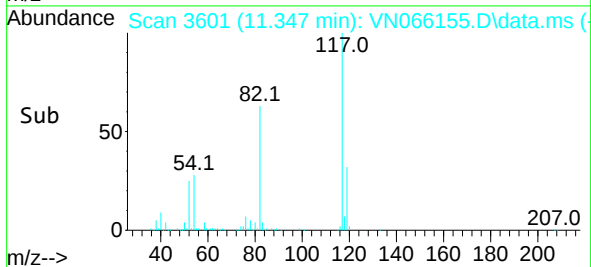
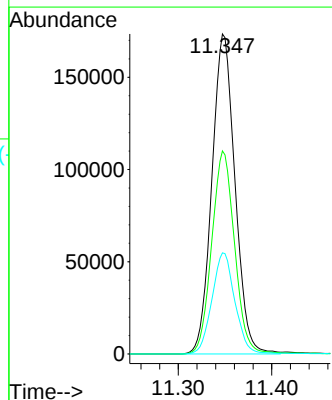
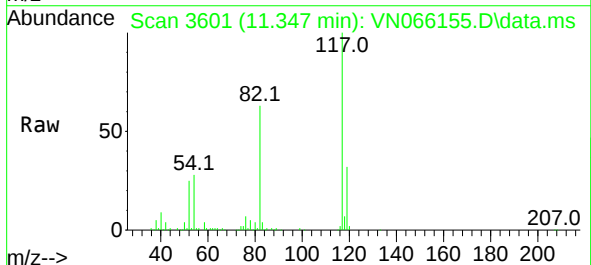


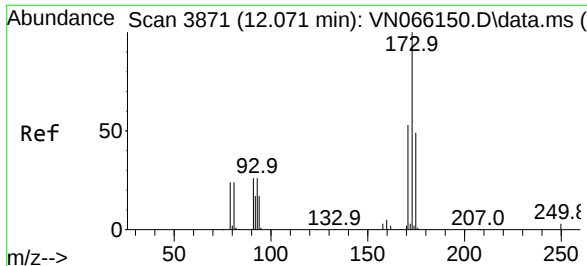
Tgt Ion: 95 Resp: 148345
Ion Ratio Lower Upper
95 100
174 72.2 0.0 169.0
176 68.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Tgt Ion: 117 Resp: 298431
Ion Ratio Lower Upper
117 100
82 63.5 43.7 65.5
119 31.6 26.1 39.1

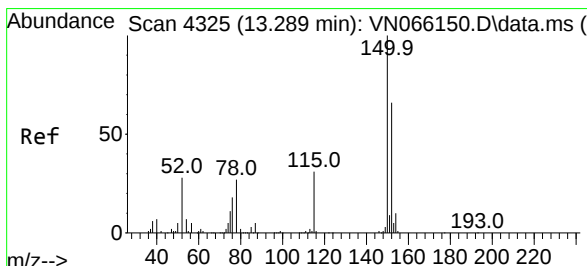
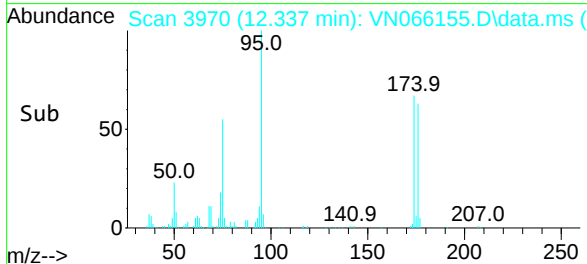
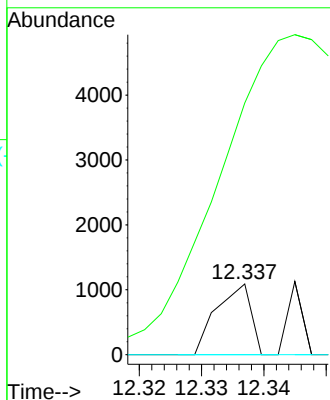
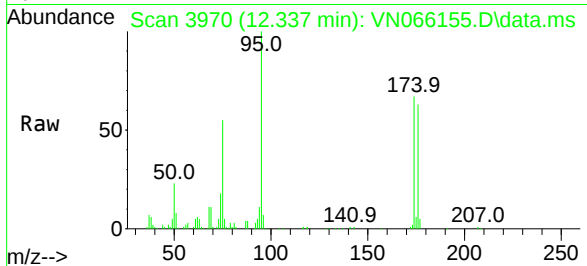




#71
Bromoform
Concen: 0.24 ug/l
RT: 12.337 min Scan# 3970
Delta R.T. 0.266 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

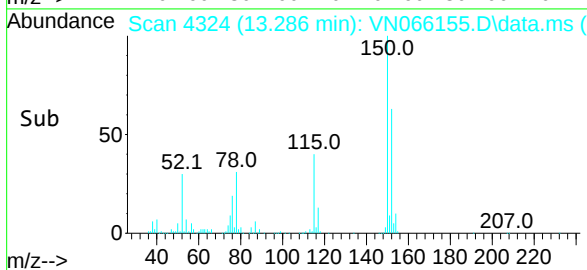
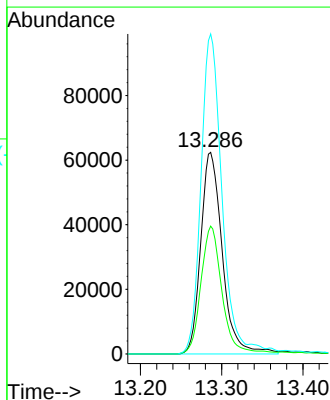
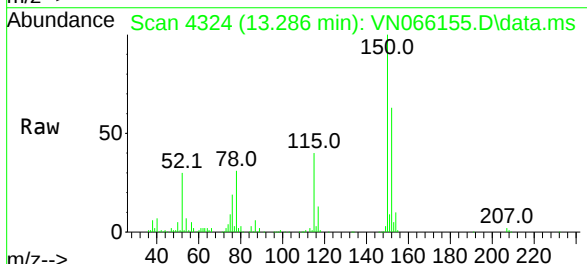
Instrument :
MSVOA_N
ClientSampleId :

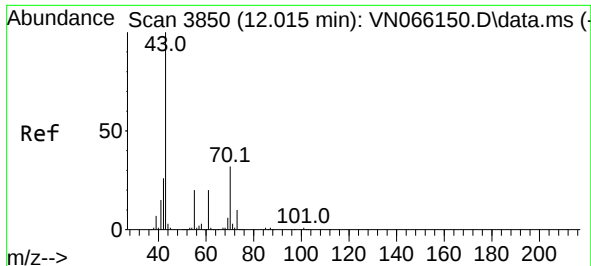
Tgt Ion:173 Resp: 418
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. -0.003 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

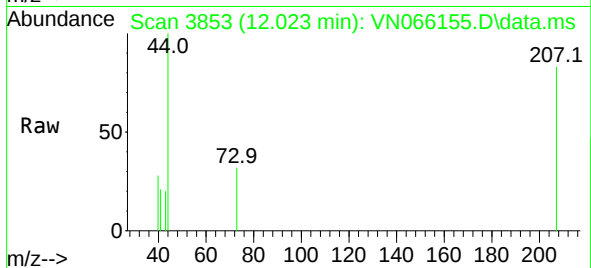
Tgt Ion:152 Resp: 114987
Ion Ratio Lower Upper
152 100
115 62.0 28.5 85.6
150 151.5 0.0 347.6



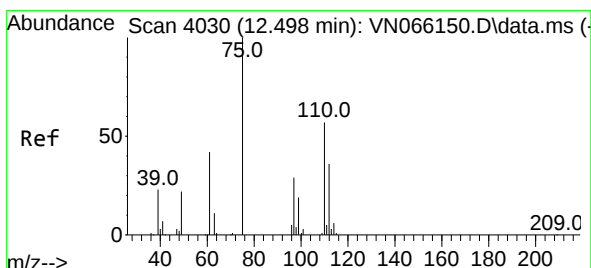
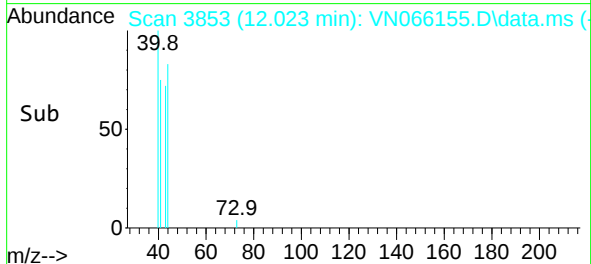
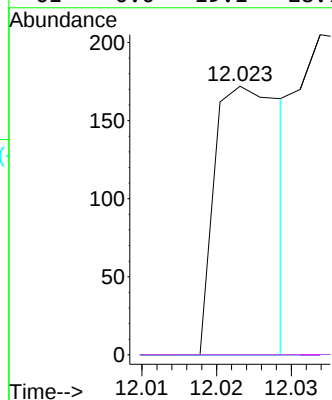


#74
N-amy1 acetate
Concen: 2.99 ug/l
RT: 12.023 min Scan# 3853
Delta R.T. 0.008 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Instrument :
MSVOA_N
ClientSampled :

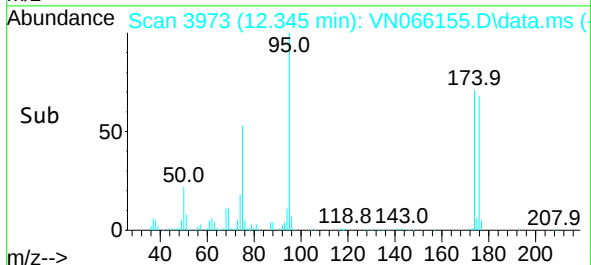
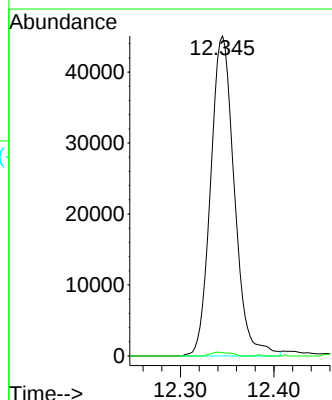
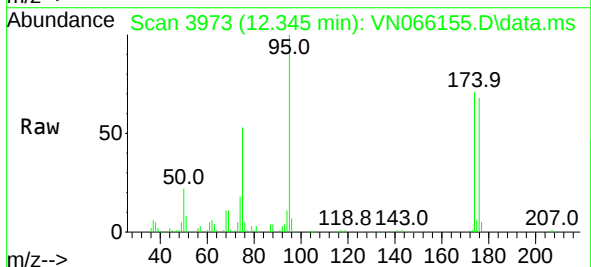


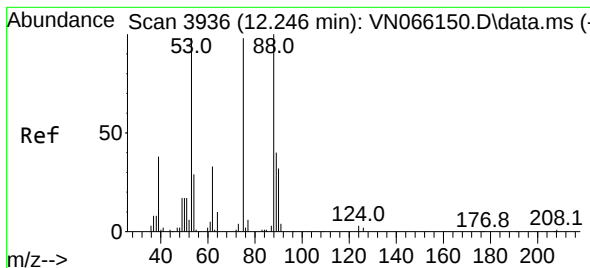
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 23.08 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

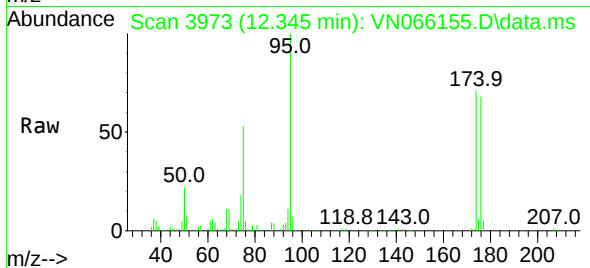
Tgt Ion: 75 Resp: 79537
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



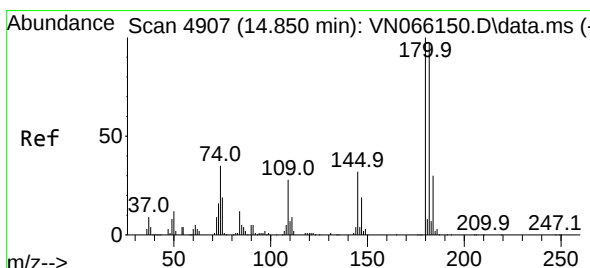
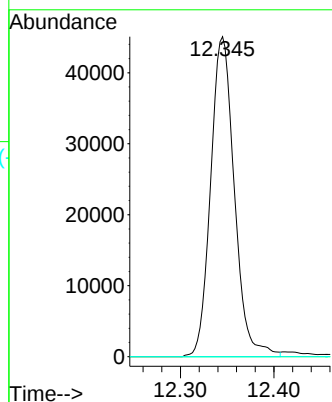
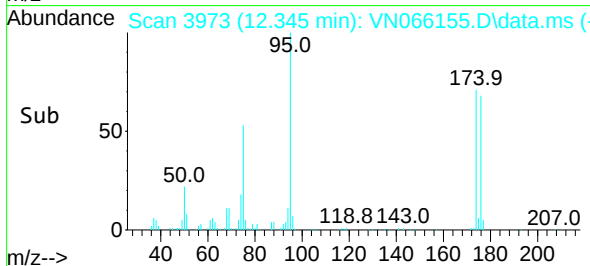


#81
trans-1,4-Dichloro-2-butene
Concen: 72.06 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

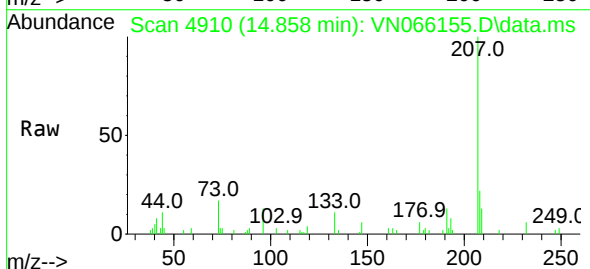
Instrument :
MSVOA_N
ClientSampleId :



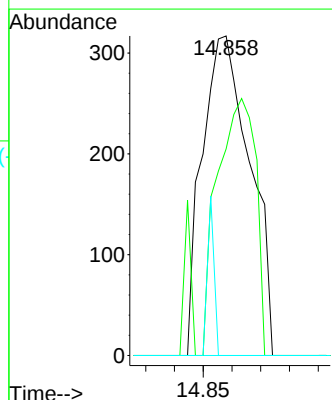
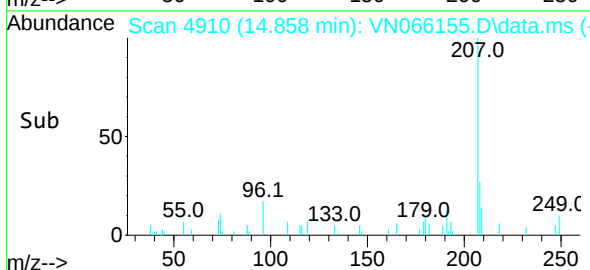
Tgt Ion: 75 Resp: 79537
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

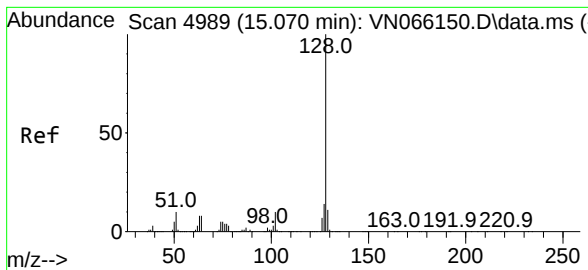


#93
1,2,4-Trichlorobenzene
Concen: 2.35 ug/l
RT: 14.858 min Scan# 4910
Delta R.T. 0.008 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04



Tgt Ion: 180 Resp: 366
Ion Ratio Lower Upper
180 100
182 64.5 47.3 142.0
145 6.8 15.6 46.8#





#95
Naphthalene
Concen: 0.28 ug/l
RT: 15.078 min Scan# 4992
Delta R.T. 0.008 min
Lab File: VN066155.D
Acq: 9 Mar 2021 15:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1962
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 1.3 8.6 13.0#

