

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021121\
 Data File : VN065821.D
 Acq On : 11 Feb 2021 18:08
 Operator : JC/MD
 Sample : M1388-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 01:30:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

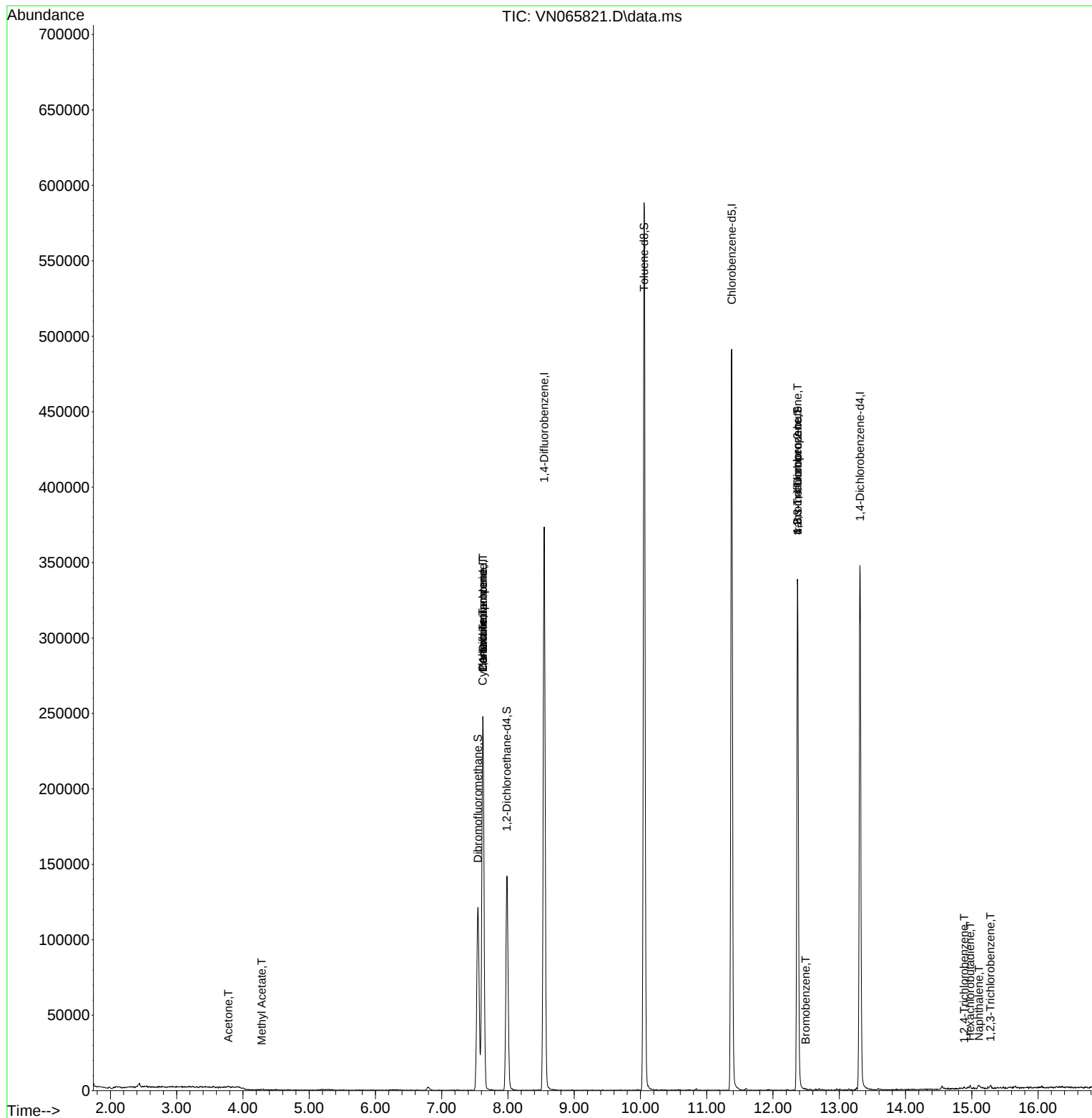
Internal Standards						
1) Pentafluorobenzene	7.621	168	208859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	357515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	306990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	104395	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	119564	43.51	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.02%		
35) Dibromofluoromethane	7.547	113	100874	47.61	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.22%		
50) Toluene-d8	10.055	98	442265	53.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.22%		
62) 4-Bromofluorobenzene	12.370	95	138977	46.34	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.68%		
Target Compounds						Qvalue
16) Acetone	3.779	43	1656	1.55	ug/l #	41
18) Methyl Acetate	4.283	43	621	0.21	ug/l #	51
31) Cyclohexane	7.618	56	3840	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.621	75	15647	4.35	ug/l #	48
38) Carbon Tetrachloride	7.621	117	19527	6.59	ug/l #	16
76) 1,2,3-Trichloropropane	12.370	75	61828	22.65	ug/l #	100
77) Bromobenzene	12.495	156	433	0.22	ug/l #	21
81) trans-1,4-Dichloro-2-b...	12.370	75	61828	58.01	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.884	180	537	3.60	ug/l #	81
94) Hexachlorobutadiene	14.978	225	466	0.75	ug/l #	44
95) Naphthalene	15.109	128	2680	3.82	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.283	180	1000	3.30	ug/l #	48

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

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QLast Update : Mon Jan 25 13:47:28 2021
Response via : Initial Calibration

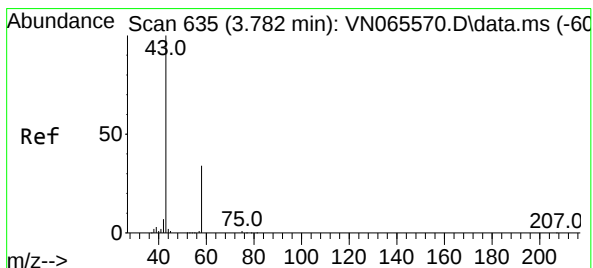
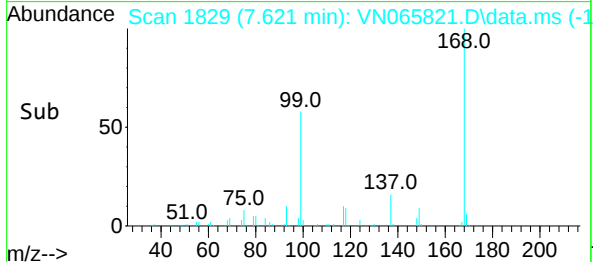
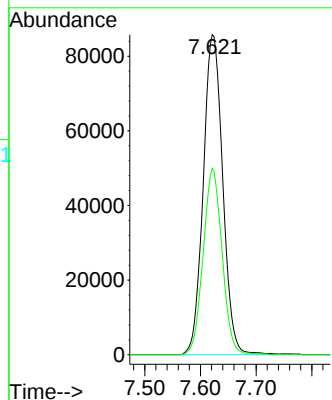
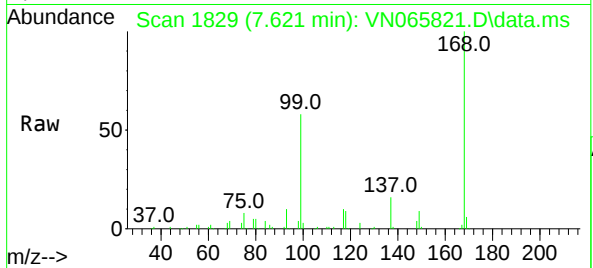




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.003 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

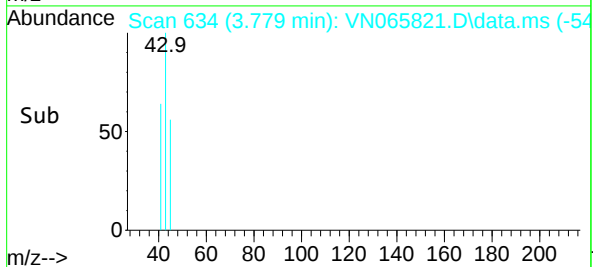
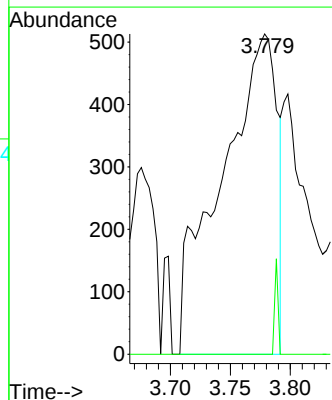
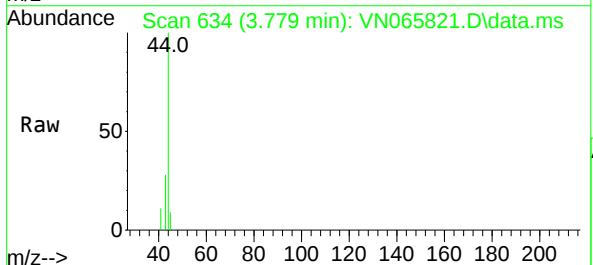
Instrument :
MSVOA_N
ClientSampled :

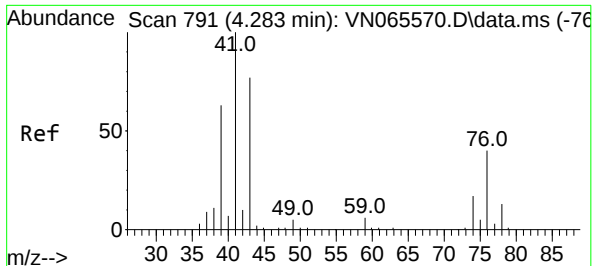
Tgt Ion:168 Resp: 208859
Ion Ratio Lower Upper
168 100
99 58.2 42.6 63.8



#16
Acetone
Concen: 1.55 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#





#18

Methyl Acetate

Concen: 0.21 ug/l

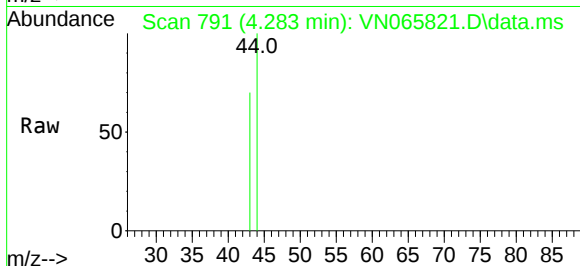
RT: 4.283 min Scan# 791

Delta R.T. 0.000 min

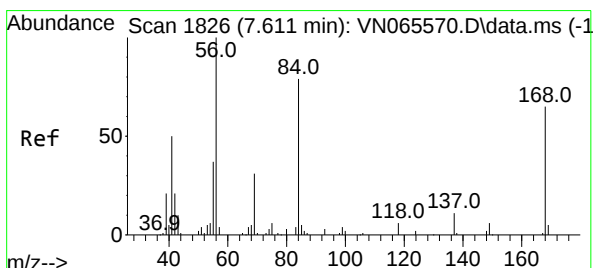
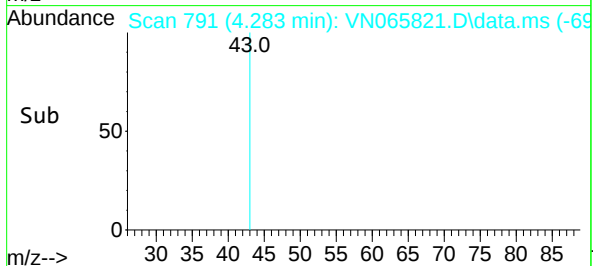
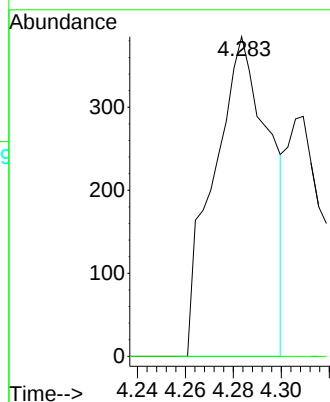
Lab File: VN065821.D

Acq: 11 Feb 2021 18:08

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#31

Cyclohexane

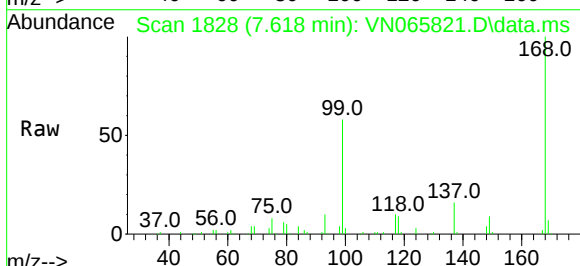
Concen: 0.74 ug/l

RT: 7.618 min Scan# 1828

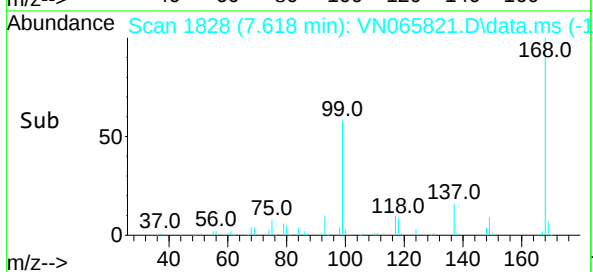
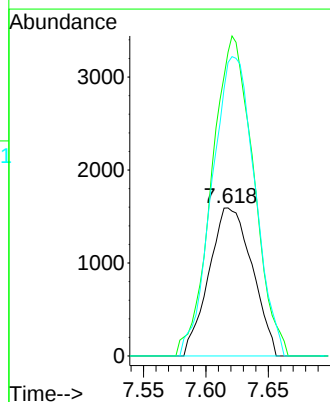
Delta R.T. 0.007 min

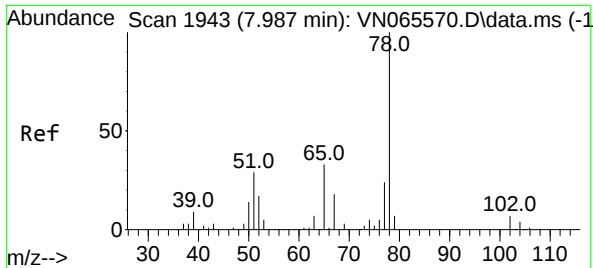
Lab File: VN065821.D

Acq: 11 Feb 2021 18:08



Tgt Ion: 56 Resp: 3840
Ion Ratio Lower Upper
56 100
69 194.5 26.6 39.8#
84 198.2 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 43.51 ug/l

RT: 7.984 min Scan# 1942

Delta R.T. -0.003 min

Lab File: VN065821.D

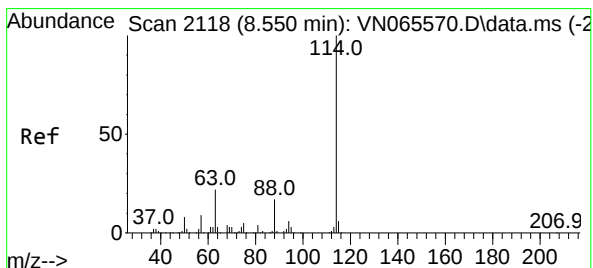
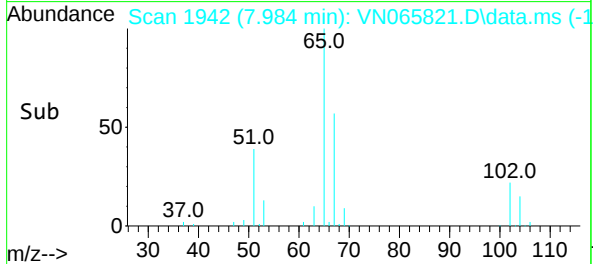
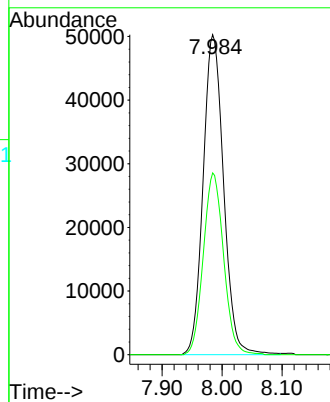
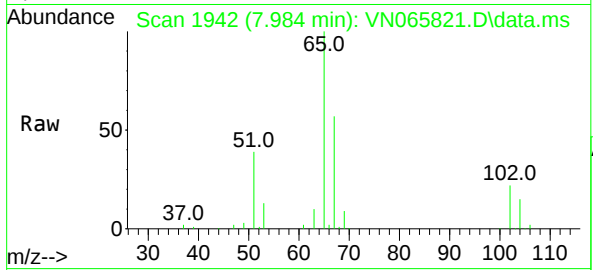
Acq: 11 Feb 2021 18:08

Tgt Ion: 65 Resp: 119564

Ion Ratio Lower Upper

65 100

67 56.2 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.547 min Scan# 2117

Delta R.T. -0.003 min

Lab File: VN065821.D

Acq: 11 Feb 2021 18:08

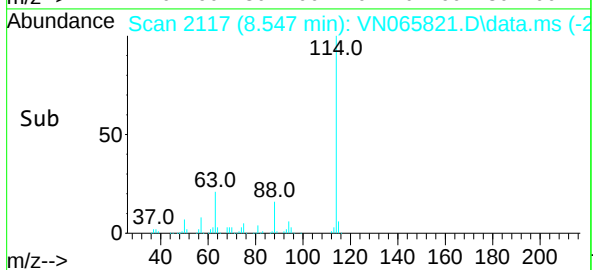
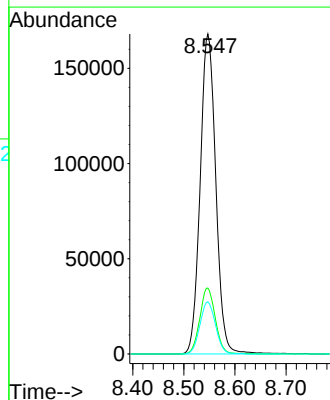
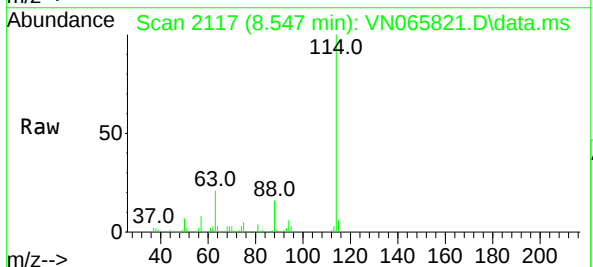
Tgt Ion: 114 Resp: 357515

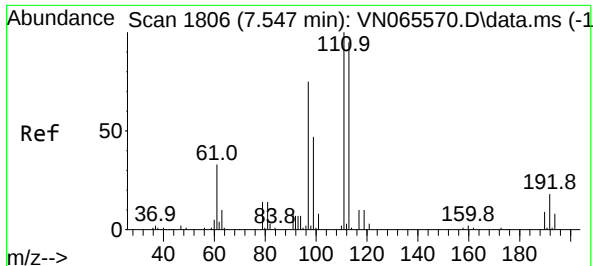
Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.6

88 16.3 0.0 30.6

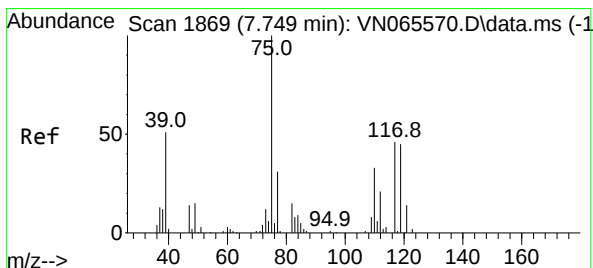
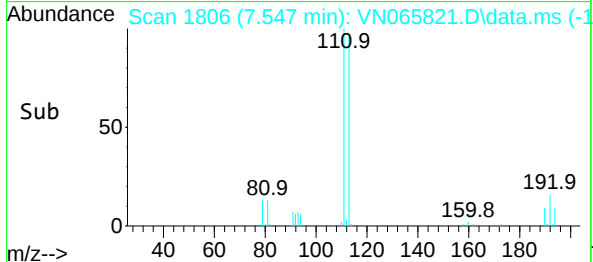
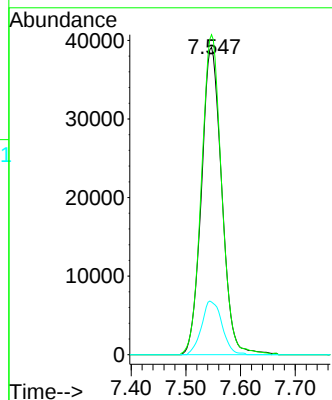
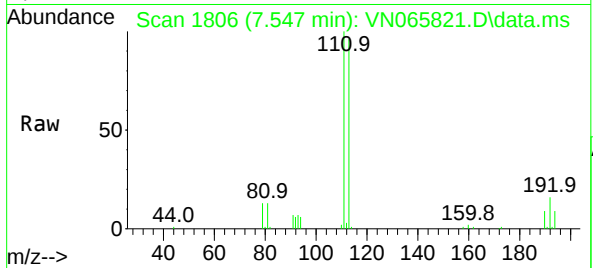




#35
Dibromofluoromethane
Concen: 47.61 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

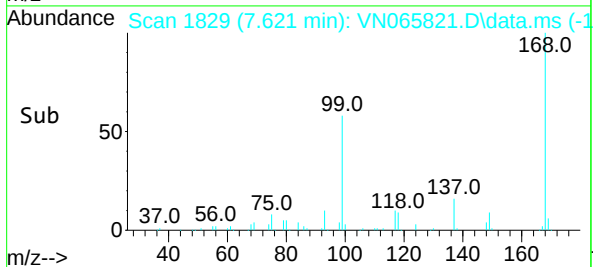
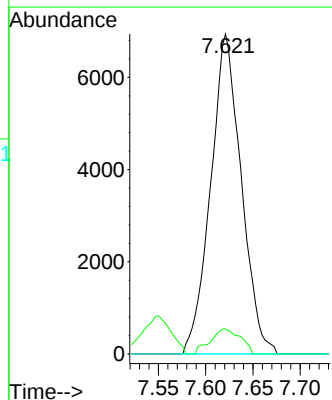
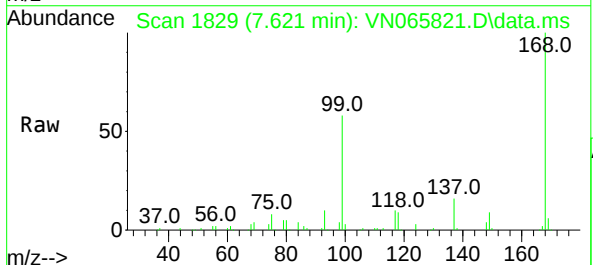
Instrument :
MSVOA_N
ClientSampled :

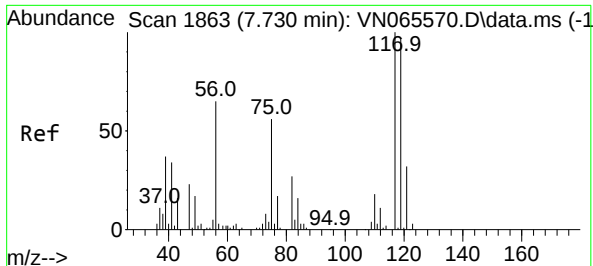
Tgt Ion:113 Resp: 100874
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 17.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.128 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

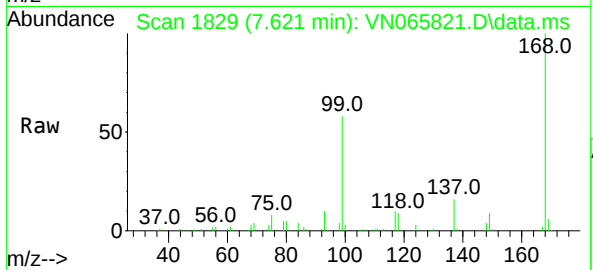
Tgt Ion: 75 Resp: 15647
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#



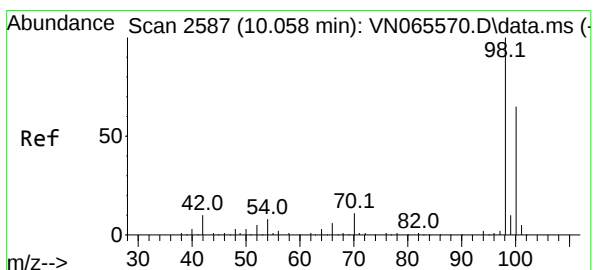
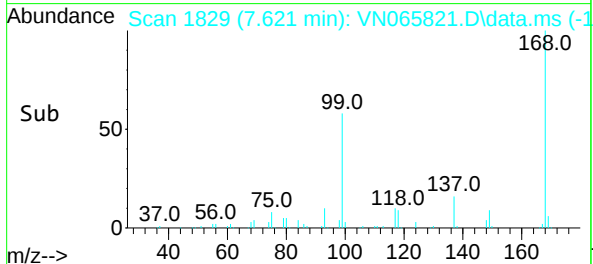
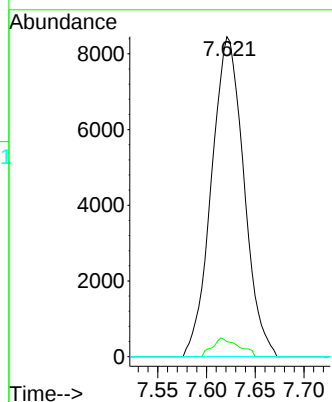


#38
Carbon Tetrachloride
Concen: 6.59 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Instrument :
MSVOA_N
ClientSampled :

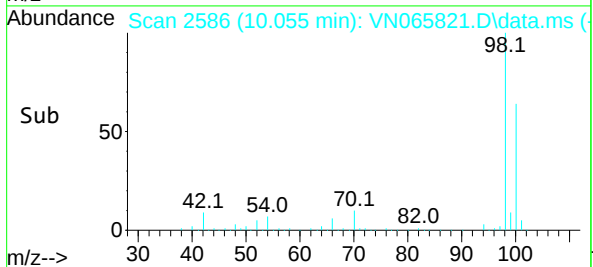
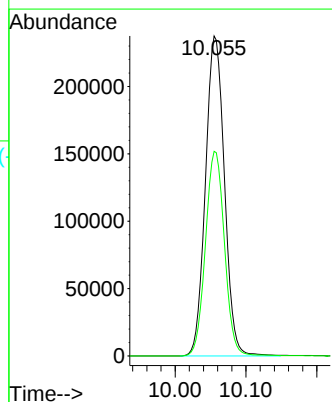
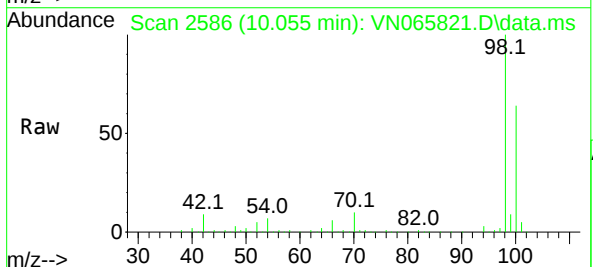


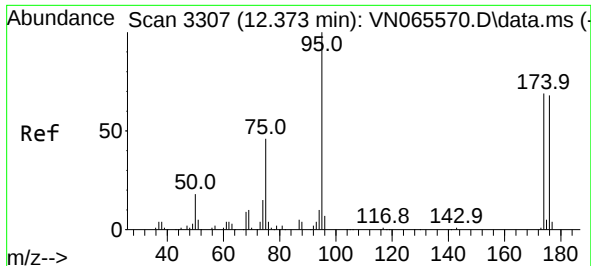
Tgt Ion:117 Resp: 19527
Ion Ratio Lower Upper
117 100
119 4.7 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.11 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Tgt Ion: 98 Resp: 442265
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7

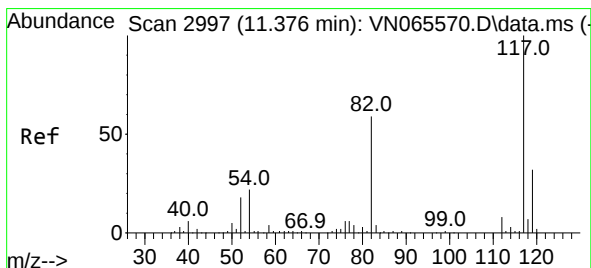
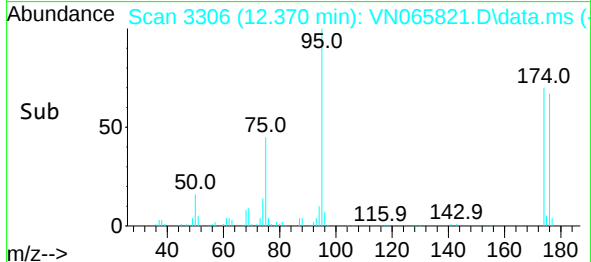
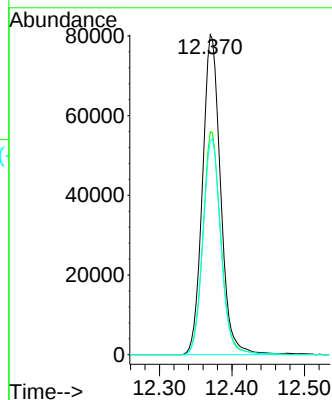
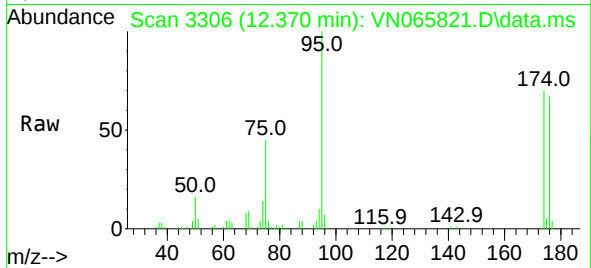




#62
4-Bromofluorobenzene
Concen: 46.34 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.003 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

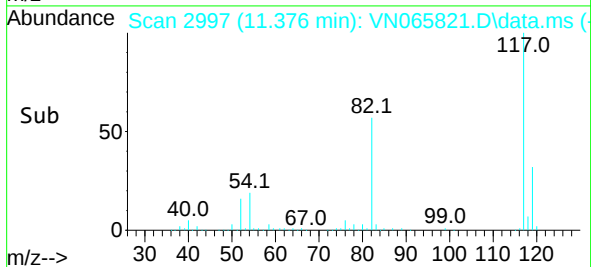
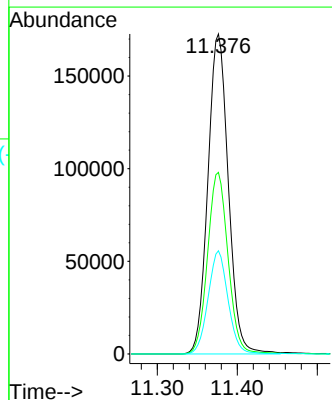
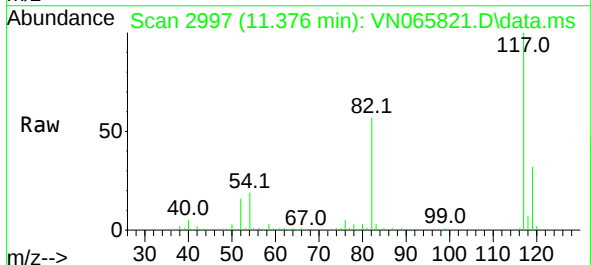
Instrument :
MSVOA_N
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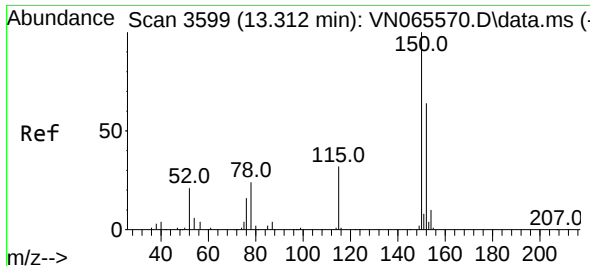
Tgt Ion: 95 Resp: 138977
Ion Ratio Lower Upper
95 100
174 69.2 0.0 169.0
176 66.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Tgt Ion: 117 Resp: 306990
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 32.3 26.1 39.1

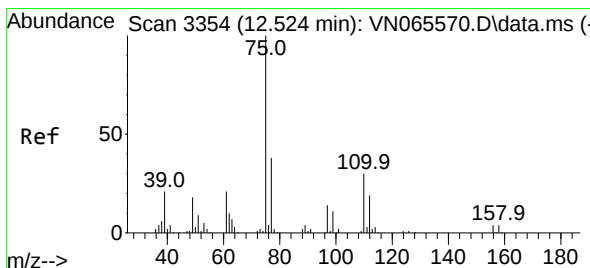
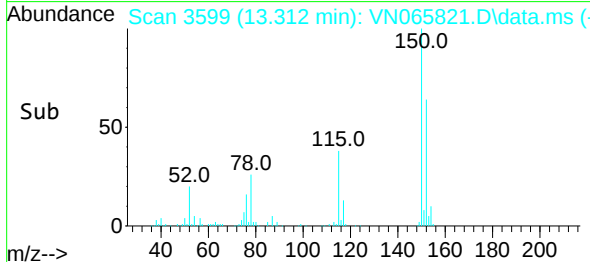
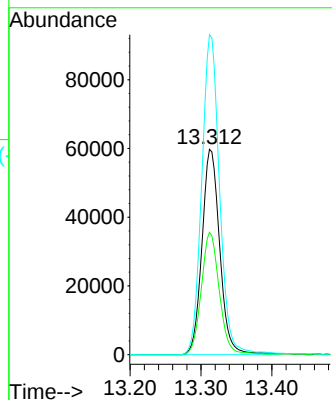
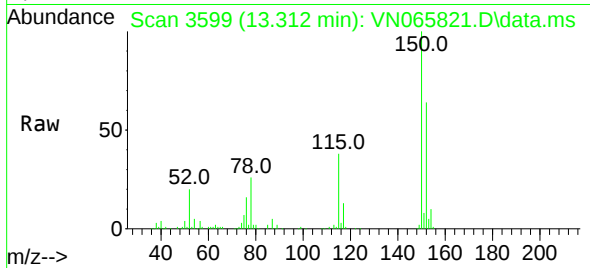




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

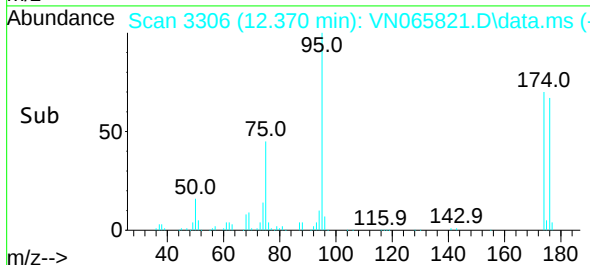
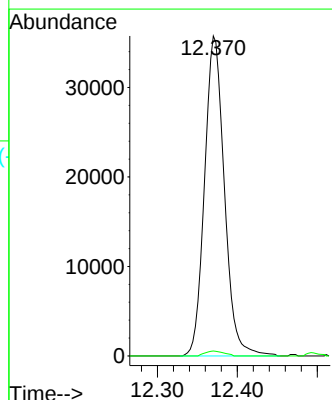
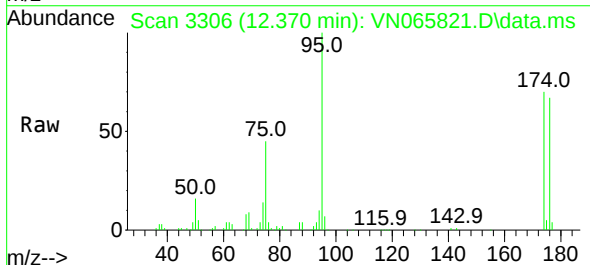
Instrument :
MSVOA_N
ClientSampled :

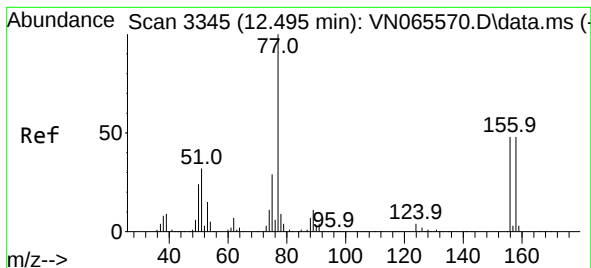
Tgt Ion:152 Resp: 104395
Ion Ratio Lower Upper
152 100
115 60.1 28.5 85.6
150 156.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 22.65 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.154 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Tgt Ion: 75 Resp: 61828
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#77

Bromobenzene

Concen: 0.22 ug/l

RT: 12.495 min Scan# 3345

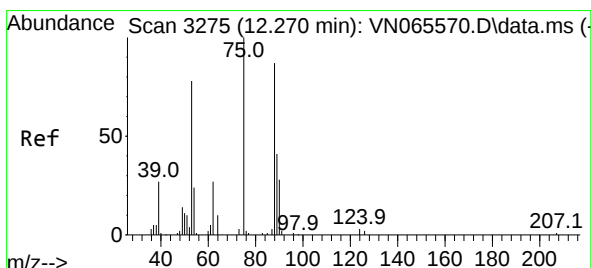
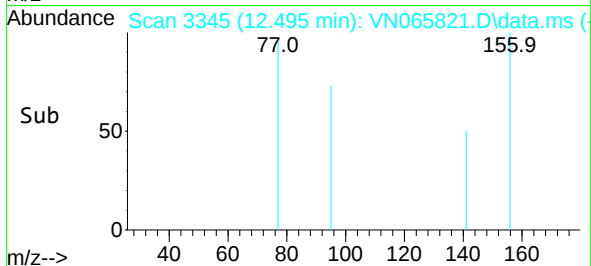
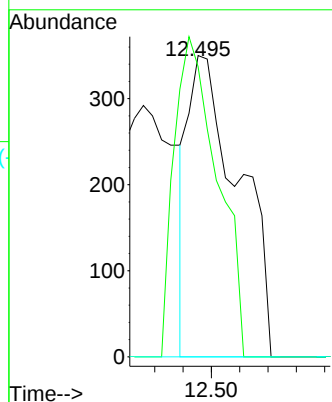
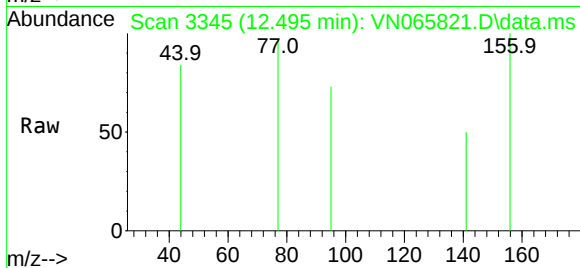
Delta R.T. 0.000 min

Lab File: VN065821.D

Acq: 11 Feb 2021 18:08

Tgt Ion:	156	Resp:	433
Ion Ratio	Lower	Upper	
156	100		
77	90.8	96.3	288.8#
158	0.0	49.0	147.0#

Instrument :
MSVOA_N
ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 58.01 ug/l

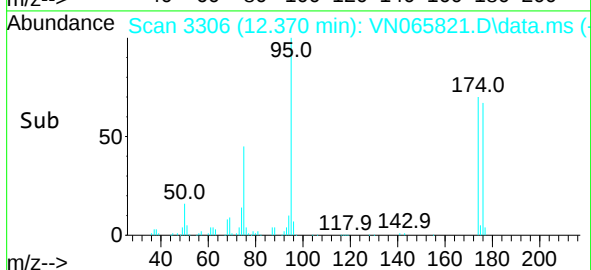
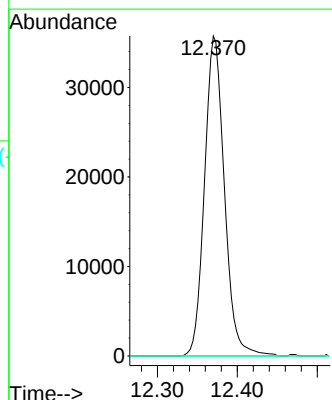
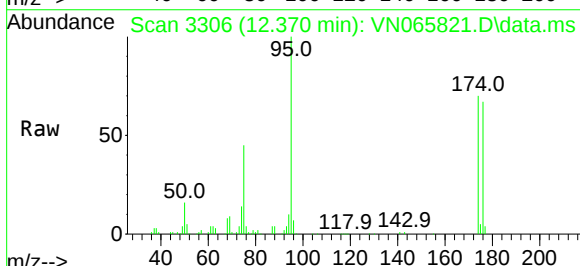
RT: 12.370 min Scan# 3306

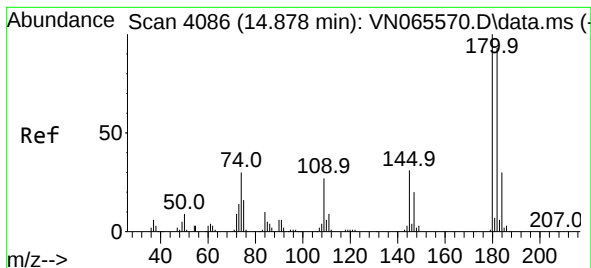
Delta R.T. 0.100 min

Lab File: VN065821.D

Acq: 11 Feb 2021 18:08

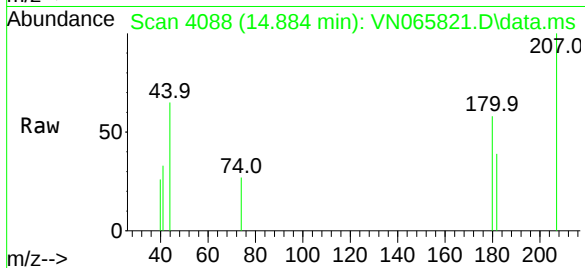
Tgt Ion:	75	Resp:	61828
Ion Ratio	Lower	Upper	
75	100		
53	0.0	74.6	111.8#
89	0.0	35.8	53.8#



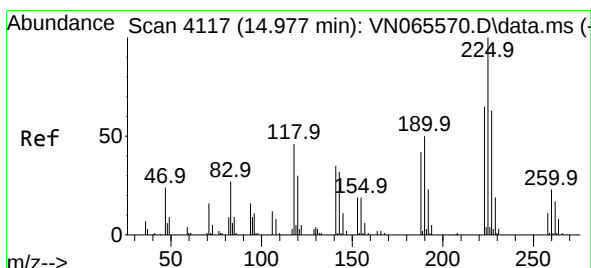
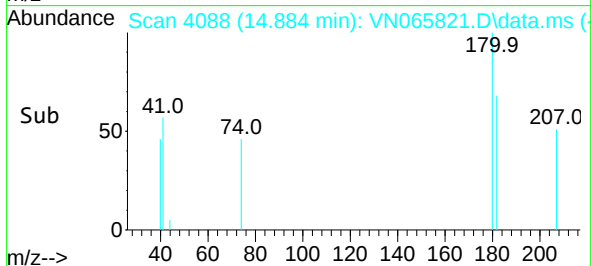
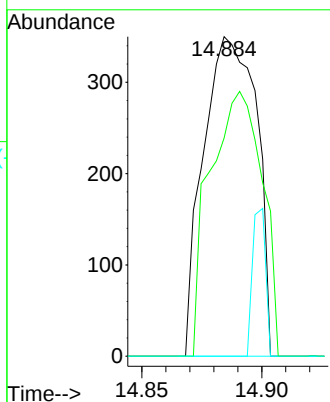


#93
1,2,4-Trichlorobenzene
Concen: 3.60 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.006 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Instrument :
MSVOA_N
ClientSampled :

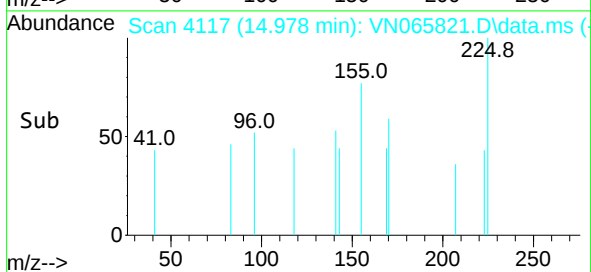
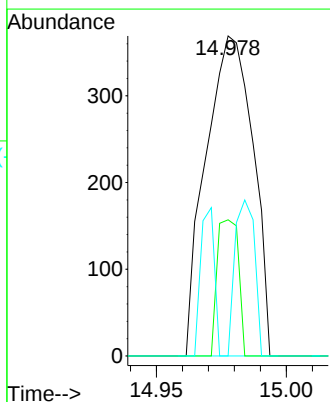
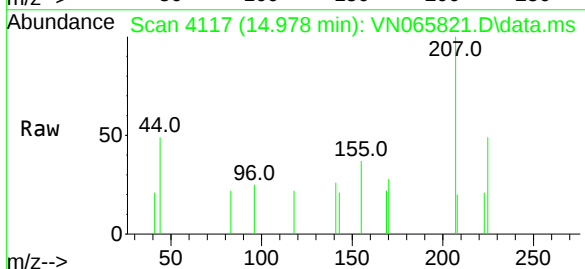


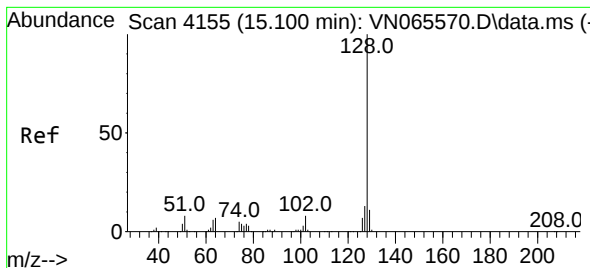
Tgt Ion:180 Resp: 537
Ion Ratio Lower Upper
180 100
182 81.6 47.3 142.0
145 11.4 15.6 46.8#



#94
Hexachlorobutadiene
Concen: 0.75 ug/l
RT: 14.978 min Scan# 4117
Delta R.T. 0.001 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Tgt Ion:225 Resp: 466
Ion Ratio Lower Upper
225 100
223 19.1 31.9 95.9#
227 20.4 31.6 95.0#

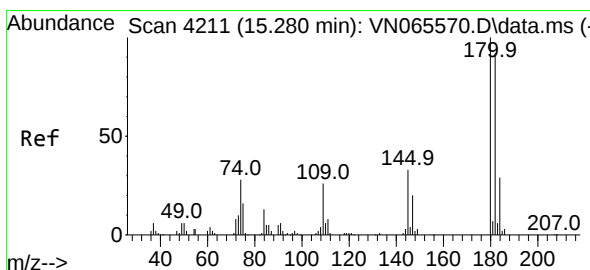
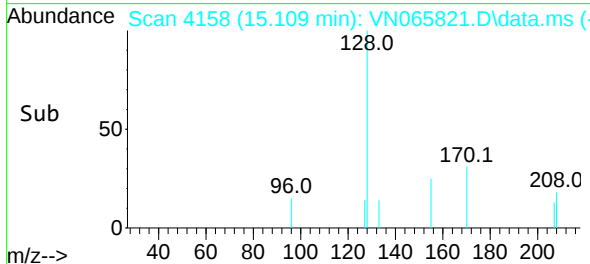
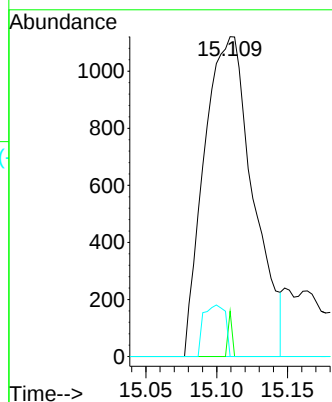
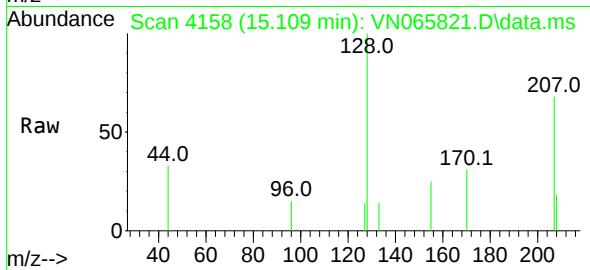




#95
Naphthalene
Concen: 3.82 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.009 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2680
Ion Ratio Lower Upper
128 100
127 1.2 10.2 15.2#
129 7.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.30 ug/l
RT: 15.283 min Scan# 4212
Delta R.T. 0.003 min
Lab File: VN065821.D
Acq: 11 Feb 2021 18:08

Tgt Ion:180 Resp: 1000
Ion Ratio Lower Upper
180 100
182 34.3 47.4 142.3#
145 46.3 16.5 49.5

