

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121120\
 Data File : VN065083.D
 Acq On : 11 Dec 2020 20:50
 Operator : JC/MD
 Sample : L5038-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:24:11 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 12 04:18:15 2020
 Response via : Initial Calibration

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

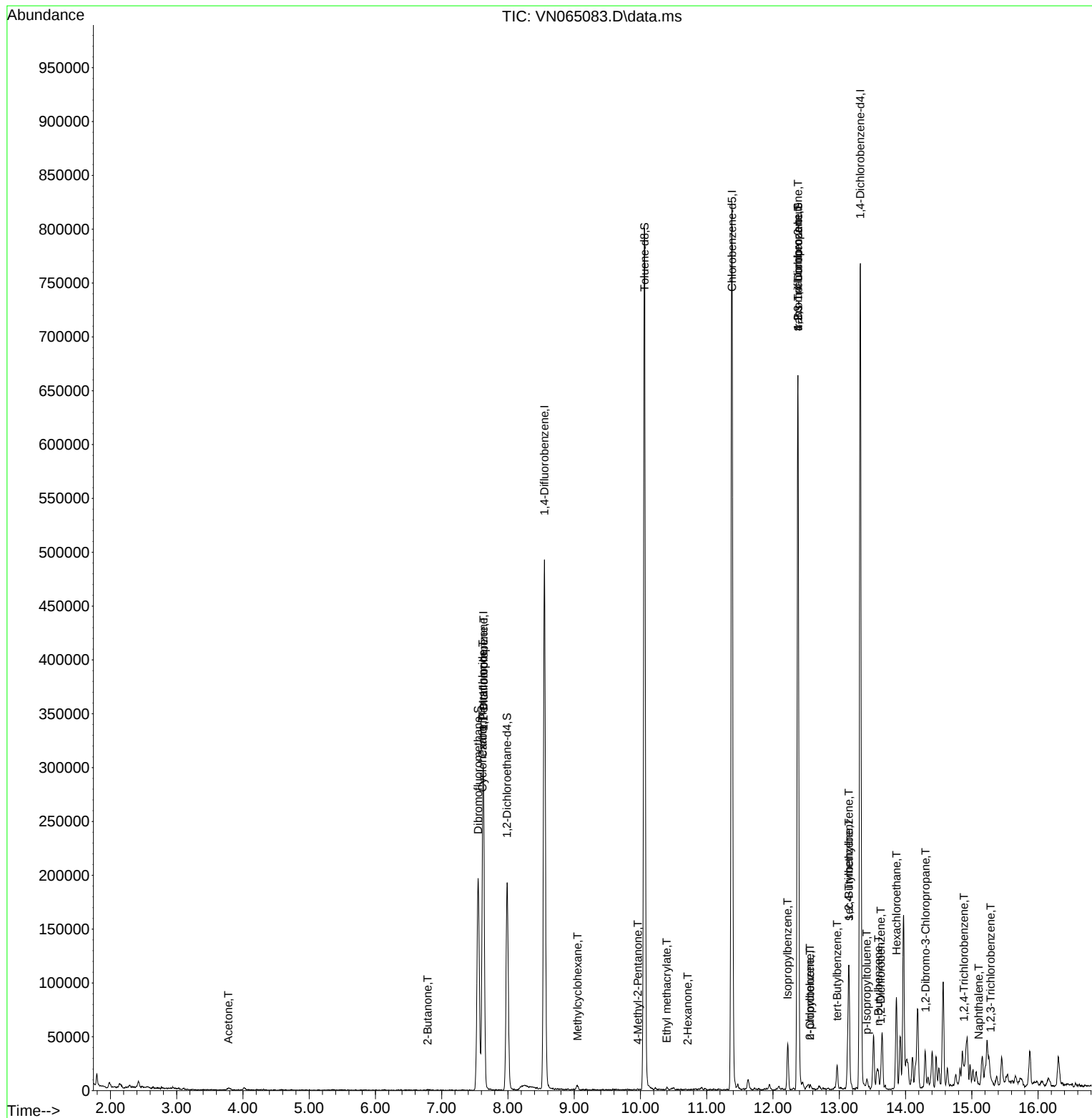
Internal Standards						
1) Pentafluorobenzene	7.627	168	252527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	441613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	474143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	215236	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	169384	57.70	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 115.40%			
35) Dibromofluoromethane	7.550	113	147181	49.25	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.50%			
50) Toluene-d8	10.061	98	558808	51.52	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.04%			
62) 4-Bromofluorobenzene	12.376	95	218421	57.35	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 114.70%			
Target Compounds						
					Qvalue	
16) Acetone	3.778	43	2208	11.83	ug/l	94
20) Methylene Chloride	4.483	84	199	Below Cal	#	8
25) 2-Butanone	6.788	43	375	0.26	ug/l #	49
31) Cyclohexane	7.614	56	6094	1.61	ug/l #	53
36) 1,1-Dichloropropene	7.630	75	19137	4.75	ug/l #	50
38) Carbon Tetrachloride	7.617	117	11369	2.50	ug/l #	17
39) Methylcyclohexane	9.048	83	1567	0.37	ug/l #	69
51) 4-Methyl-2-Pentanone	9.958	43	862	0.24	ug/l #	35
56) Ethyl methacrylate	10.396	69	257	2.57	ug/l #	1
59) 2-Hexanone	10.714	43	72	8.61	ug/l #	23
73) Isopropylbenzene	12.222	105	25683	1.85	ug/l	97
76) 1,2,3-Trichloropropane	12.376	75	108886	27.35	ug/l #	100
78) n-propylbenzene	12.559	91	3442	0.22	ug/l	96
79) 2-Chlorotoluene	12.559	91	3442	0.35	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.376	75	108886	78.93	ug/l #	15
83) tert-Butylbenzene	12.968	119	9301	0.97	ug/l	90
84) 1,2,4-Trimethylbenzene	13.145	105	69003	5.92	ug/l #	30
85) sec-Butylbenzene	13.145	105	69003	5.58	ug/l	83
86) p-Isopropyltoluene	13.415	119	4679	0.41	ug/l	88
89) n-Butylbenzene	13.588	91	10668	1.14	ug/l	90
90) Hexachloroethane	13.865	117	4977	2.23	ug/l #	9
91) 1,2-Dichlorobenzene	13.627	146	3146	0.47	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.302	75	208	0.25	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.881	180	66	4.14	ug/l #	1
95) Naphthalene	15.106	128	595	4.80	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.286	180	315	4.66	ug/l #	12

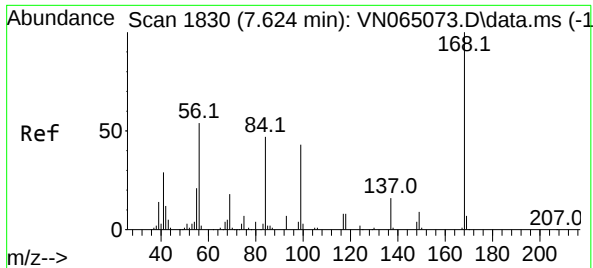
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Dec 12 04:18:15 2020
Response via : Initial Calibration

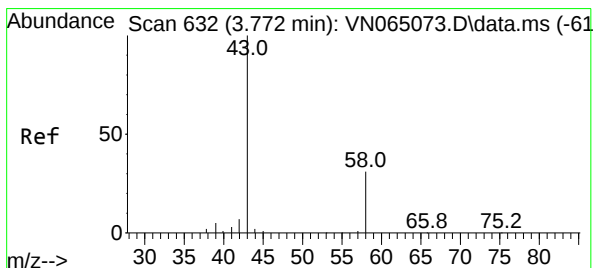
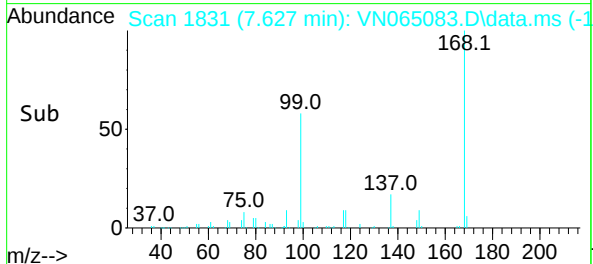
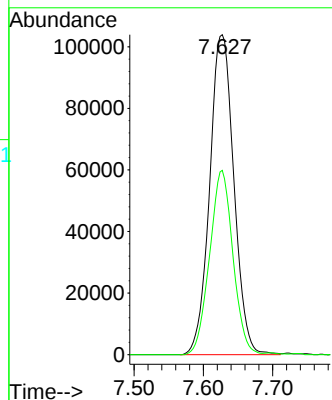
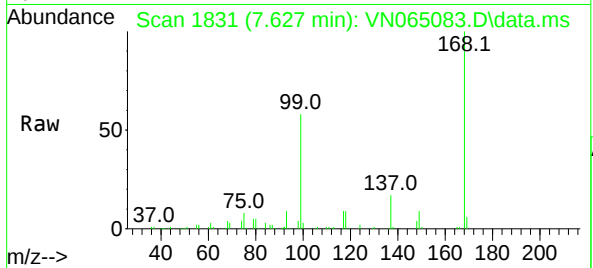




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.003 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

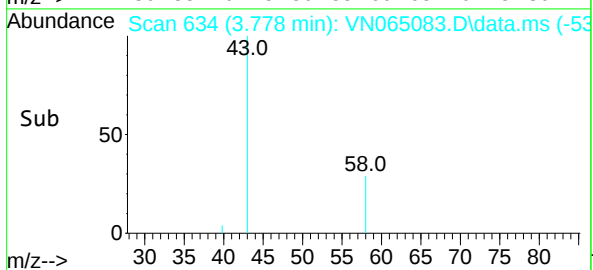
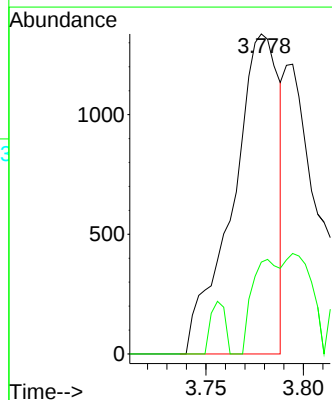
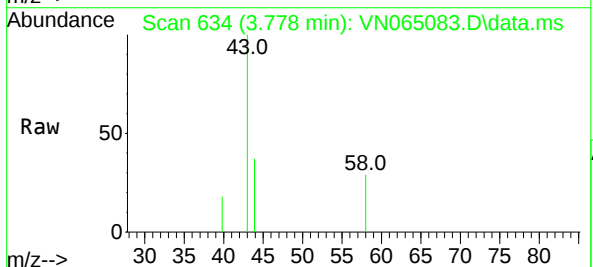
Instrument :
MSVOA_N
ClientSampled :

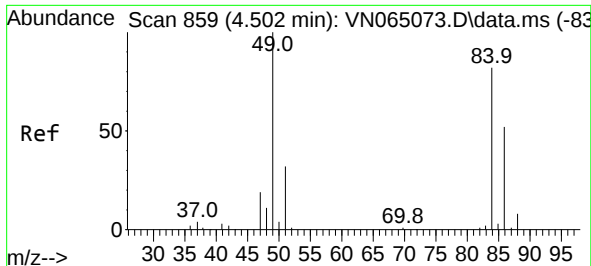
Tgt Ion:168 Resp: 252527
Ion Ratio Lower Upper
168 100
99 57.6 43.0 64.4



#16
Acetone
Concen: 11.83 ug/l
RT: 3.778 min Scan# 634
Delta R.T. 0.006 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
58 28.7 25.7 38.5





#20

Methylene Chloride

Concen: Below Cal

RT: 4.483 min Scan# 853

Delta R.T. -0.019 min

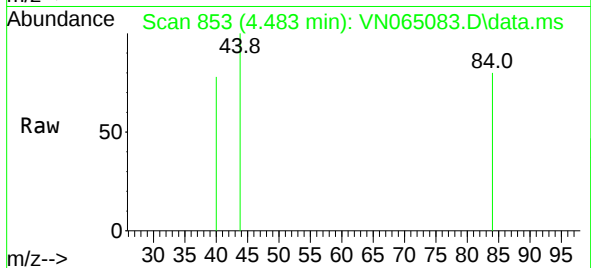
Lab File: VN065083.D

Acq: 11 Dec 2020 20:50

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 199

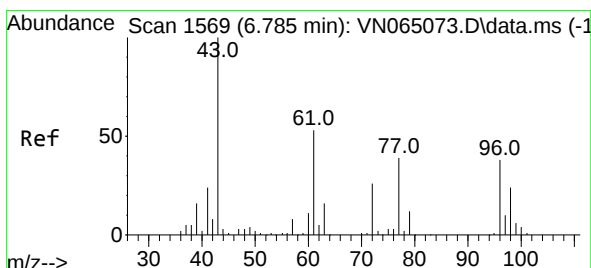
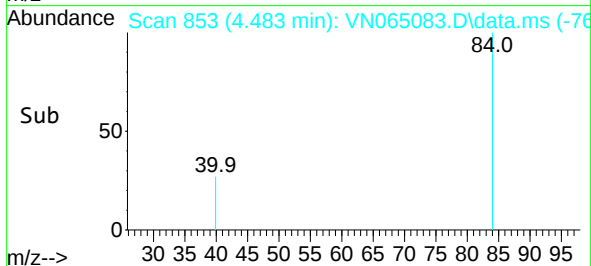
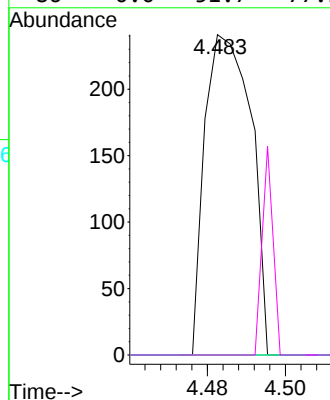
Ion Ratio Lower Upper

84 100

49 0.0 93.4 140.0#

51 0.0 28.2 42.4#

86 0.0 51.7 77.5#



#25

2-Butanone

Concen: 0.26 ug/l

RT: 6.788 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VN065083.D

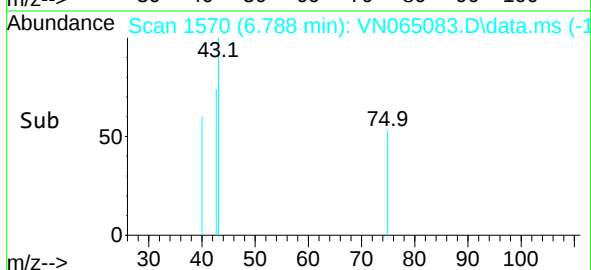
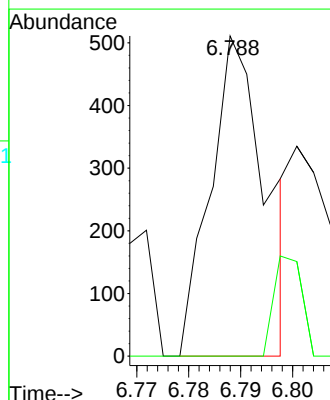
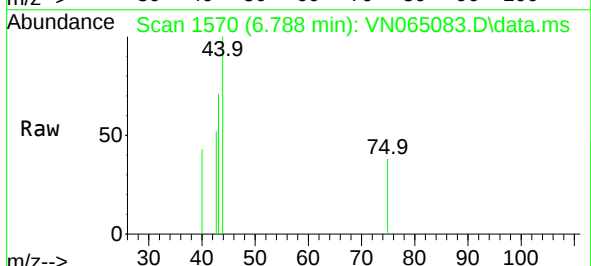
Acq: 11 Dec 2020 20:50

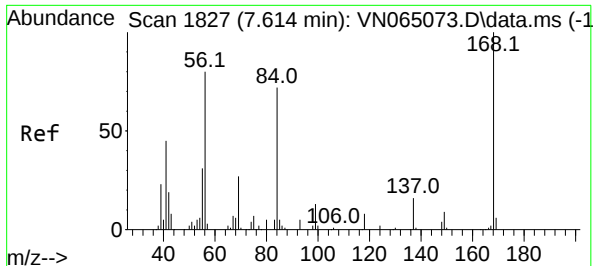
Tgt Ion: 43 Resp: 375

Ion Ratio Lower Upper

43 100

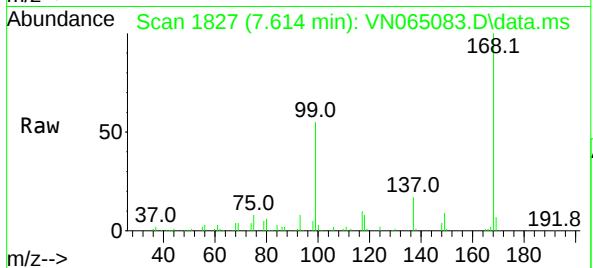
72 0.0 21.0 31.6#



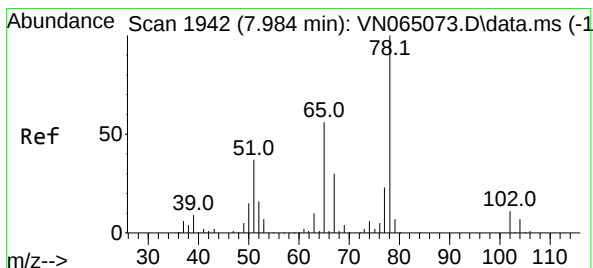
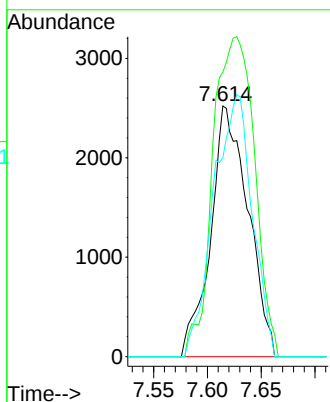
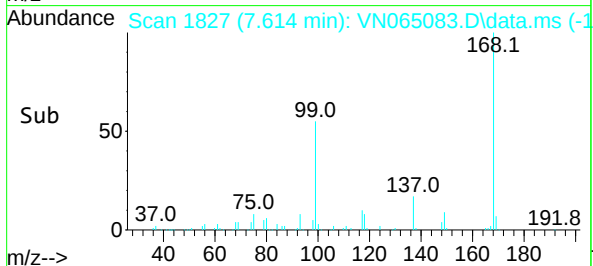


#31
Cyclohexane
Concen: 1.61 ug/l
RT: 7.614 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

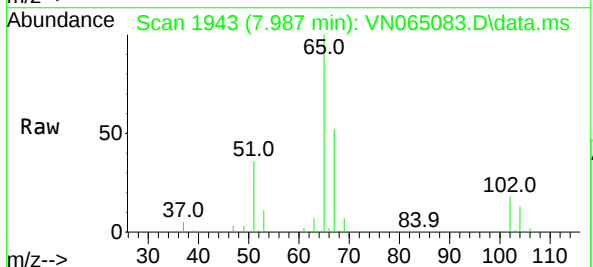
Instrument :
MSVOA_N
ClientSampled :



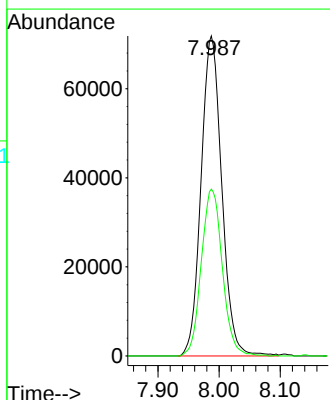
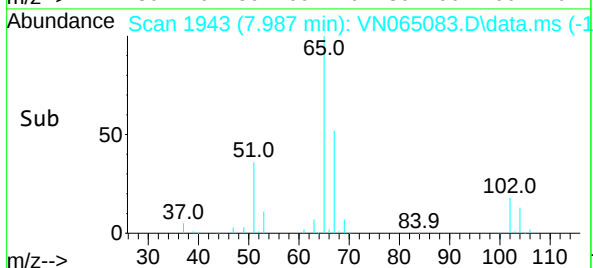
Tgt Ion: 56 Resp: 6094
Ion Ratio Lower Upper
56 100
69 113.6 27.5 41.3#
84 79.3 73.9 110.9

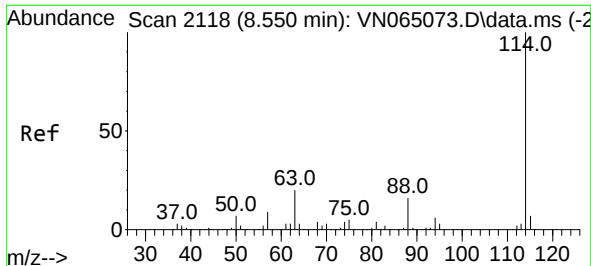


#33
1,2-Dichloroethane-d4
Concen: 57.70 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.003 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50



Tgt Ion: 65 Resp: 169384
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2

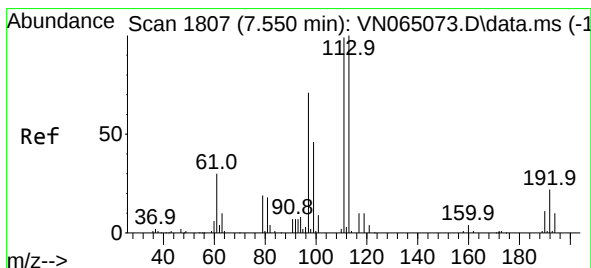
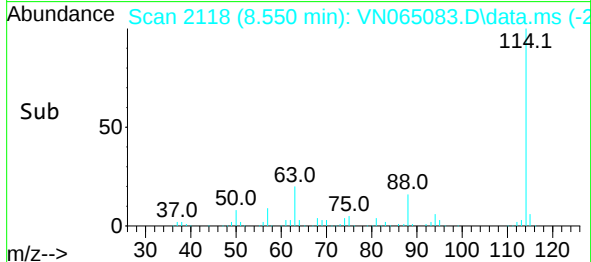
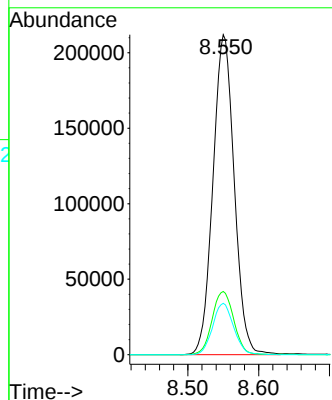
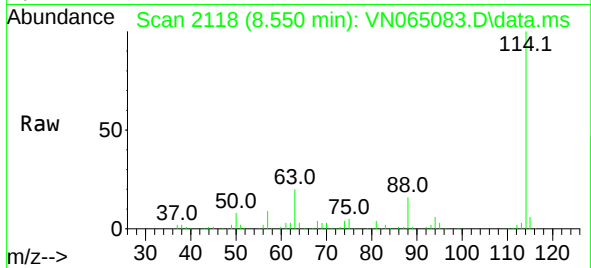




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

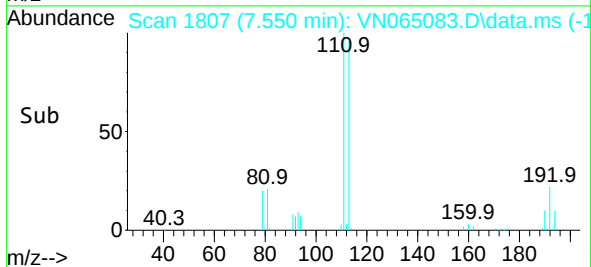
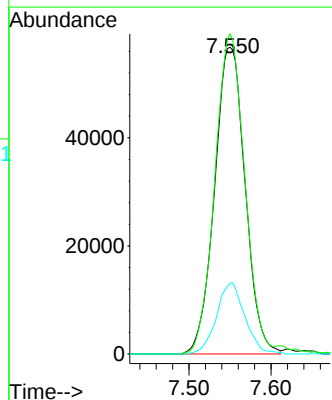
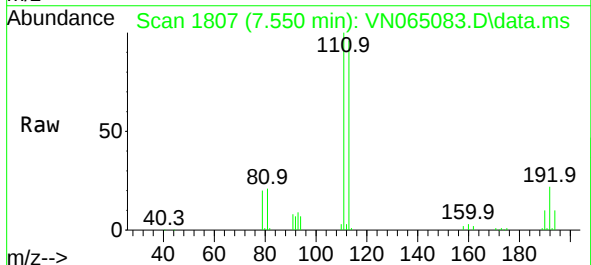
Instrument :
MSVOA_N
ClientSampleId :

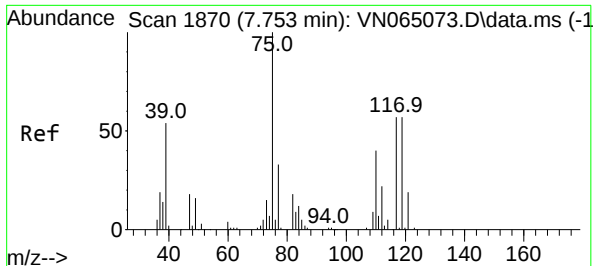
Tgt Ion:114 Resp: 441613
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.6
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.25 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

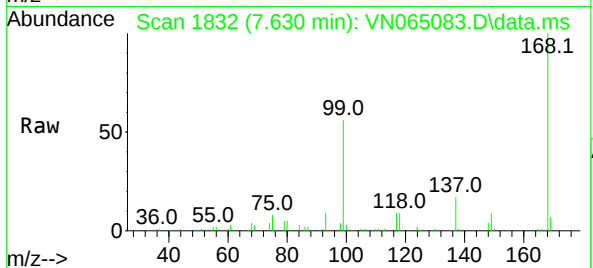
Tgt Ion:113 Resp: 147181
Ion Ratio Lower Upper
113 100
111 101.8 81.6 122.4
192 21.6 16.2 24.2



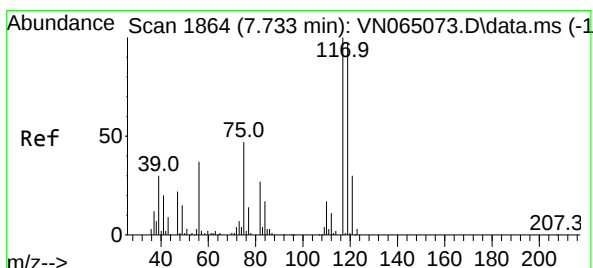
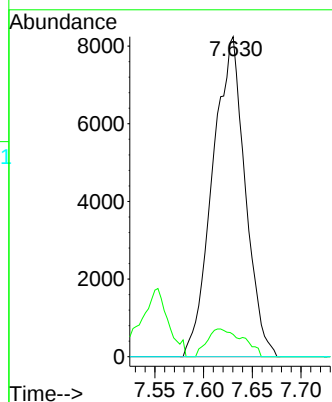
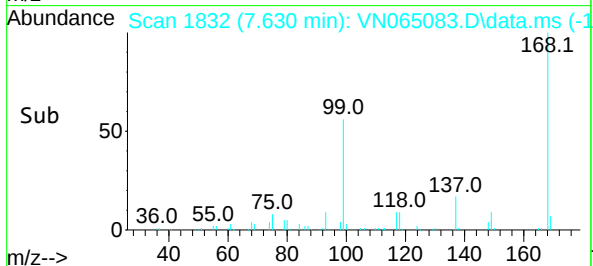


#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

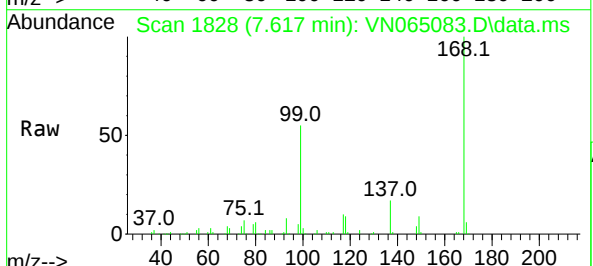
Instrument :
MSVOA_N
ClientSampleId :



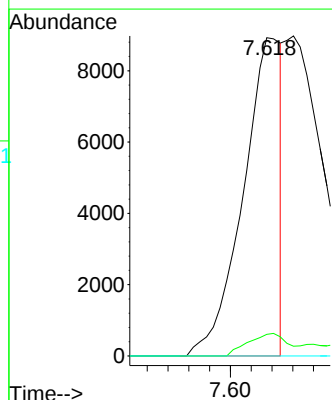
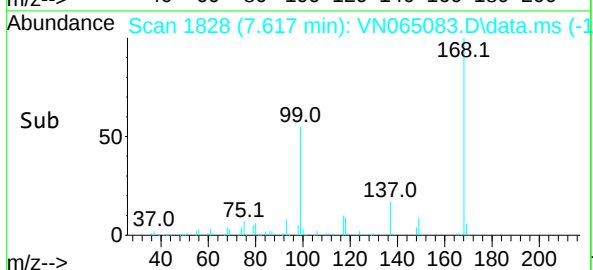
Tgt Ion: 75 Resp: 19137
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 25.0 37.4#

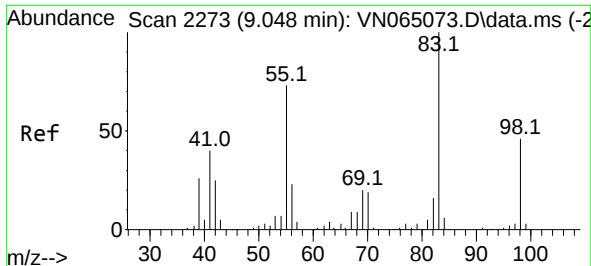


#38
Carbon Tetrachloride
Concen: 2.50 ug/l
RT: 7.617 min Scan# 1828
Delta R.T. -0.115 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50



Tgt Ion: 117 Resp: 11369
Ion Ratio Lower Upper
117 100
119 6.8 76.7 115.1#
121 0.0 25.4 38.2#





#39

Methylcyclohexane

Concen: 0.37 ug/l

RT: 9.048 min Scan# 2273

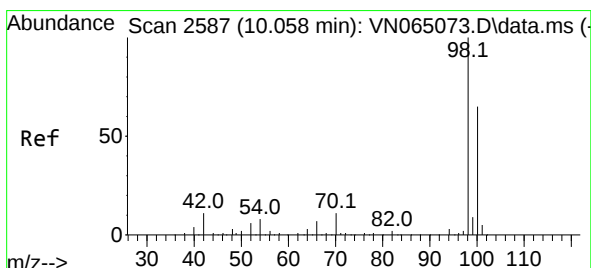
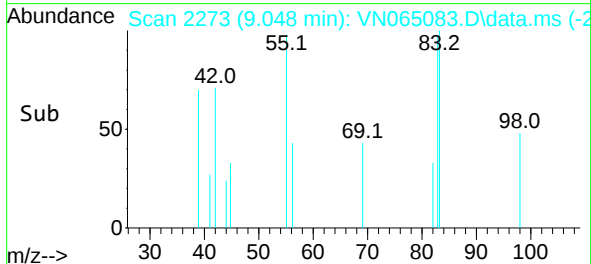
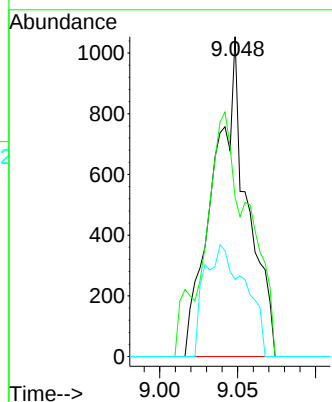
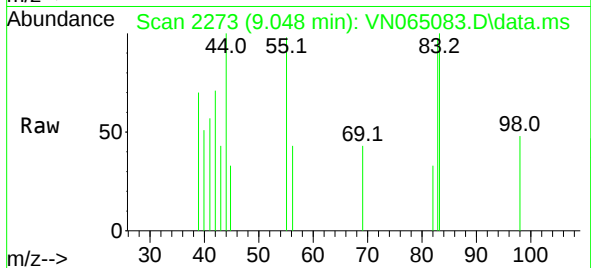
Delta R.T. 0.000 min

Lab File: VN065083.D

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Tgt Ion:	83	Resp:	1567
Ion	Ratio	Lower	Upper
83	100		
55	49.7	60.2	90.2#
98	24.2	37.4	56.2#

Instrument :
MSVOA_N
ClientSampled :



#50

Toluene-d8

Concen: 51.52 ug/l

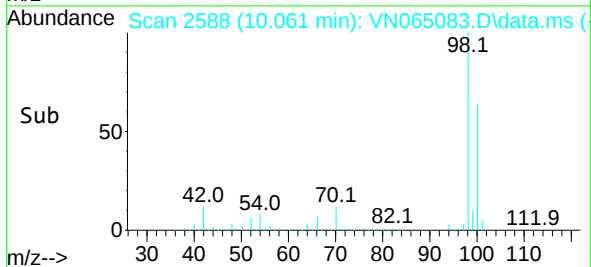
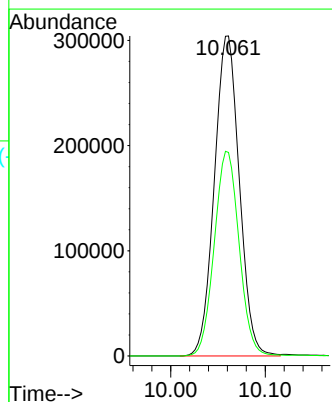
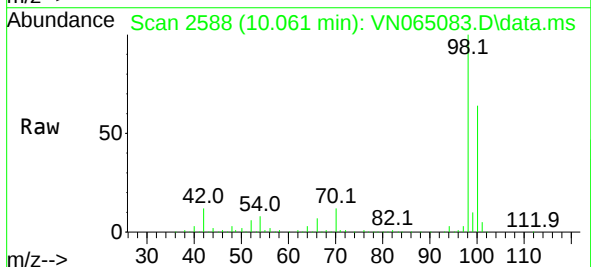
RT: 10.061 min Scan# 2588

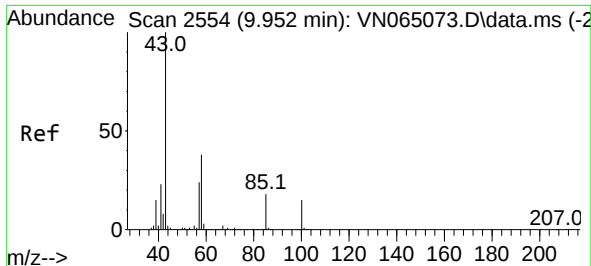
Delta R.T. 0.003 min

Lab File: VN065083.D

Acq: 11 Dec 2020 20:50

Tgt Ion:	98	Resp:	558808
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5

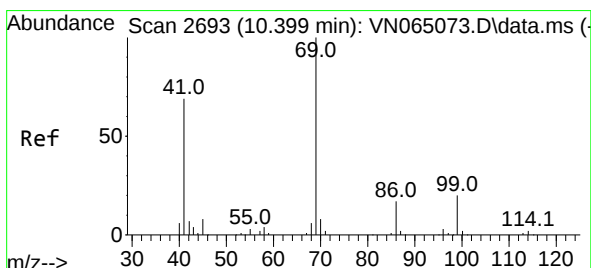
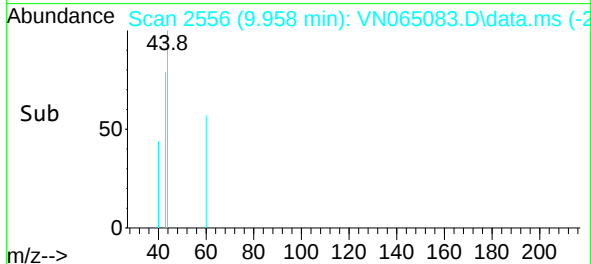
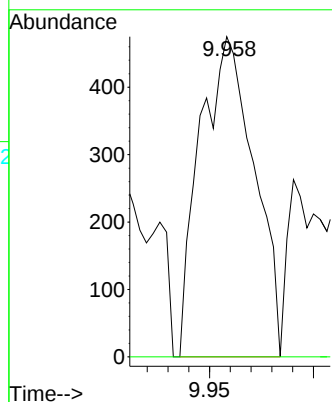
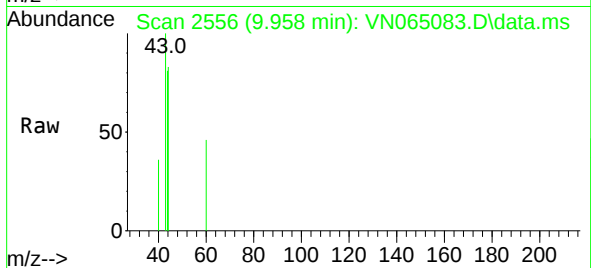




#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.006 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

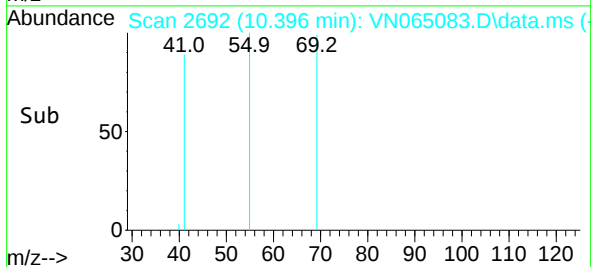
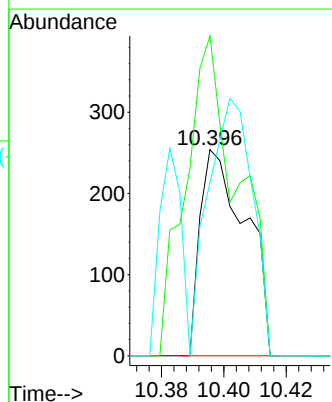
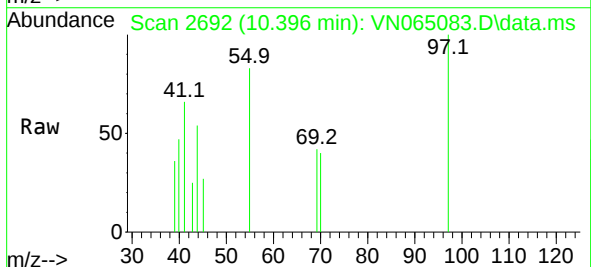
Instrument :
MSVOA_N
ClientSampled :

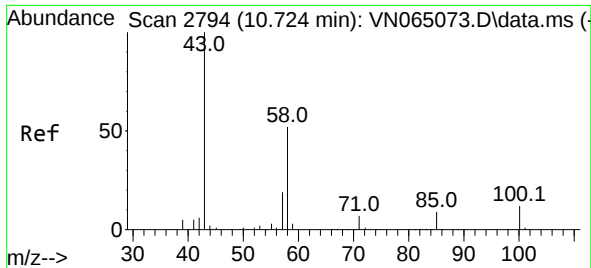
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 0.0 32.4 48.6#



#56
Ethyl methacrylate
Concen: 2.57 ug/l
RT: 10.396 min Scan# 2692
Delta R.T. -0.003 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion: 69 Resp: 257
Ion Ratio Lower Upper
69 100
41 178.2 49.4 74.0#
39 122.2 25.9 38.9#

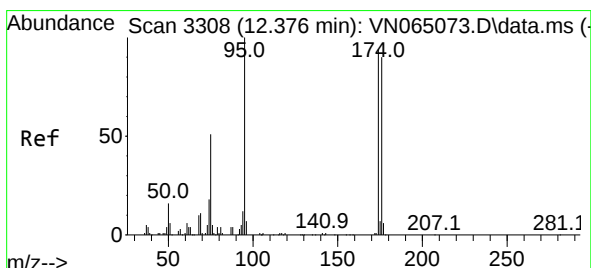
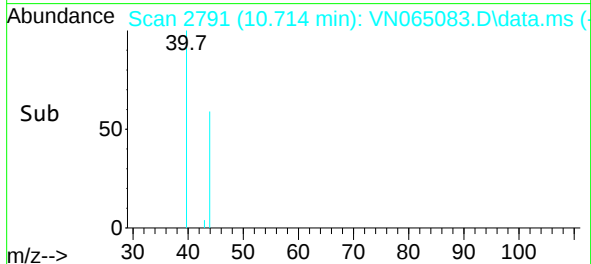
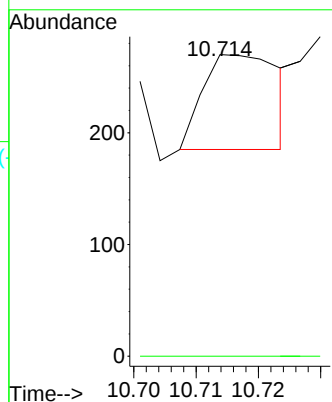
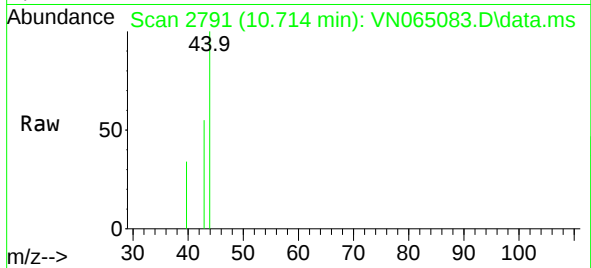




#59
2-Hexanone
Concen: 8.61 ug/l
RT: 10.714 min Scan# 2791
Delta R.T. -0.010 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

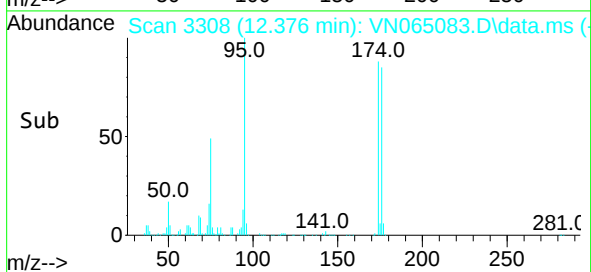
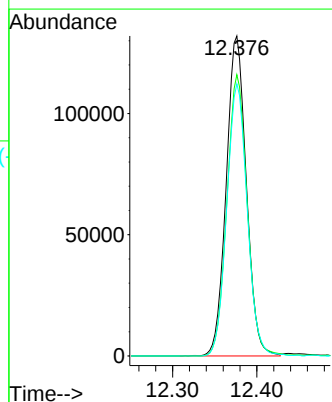
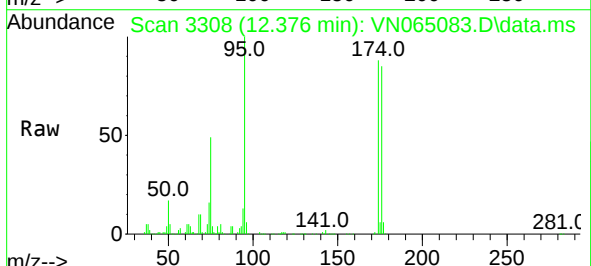
Instrument :
MSVOA_N
ClientSampled :

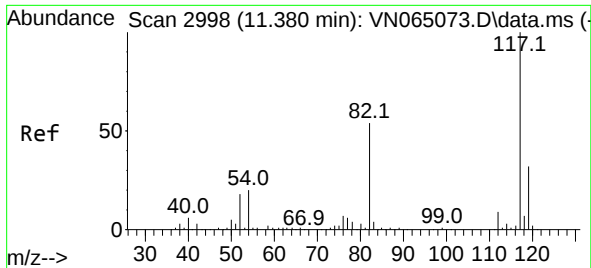
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 57.35 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion: 95 Resp: 218421
Ion Ratio Lower Upper
95 100
174 88.8 0.0 160.4
176 86.0 0.0 158.4

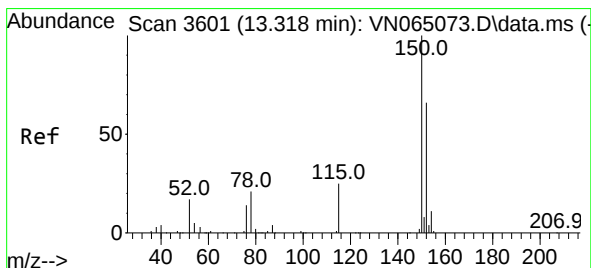
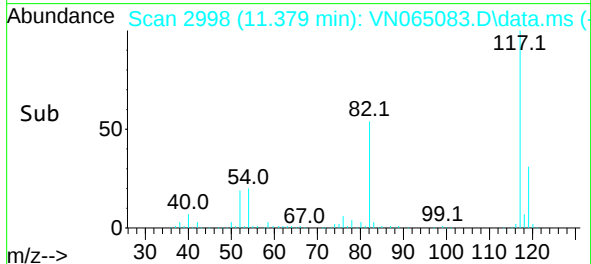
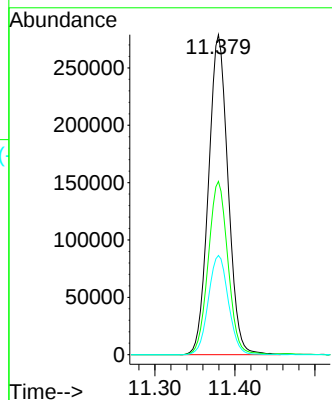
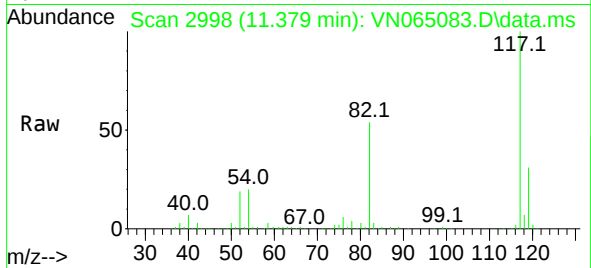




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

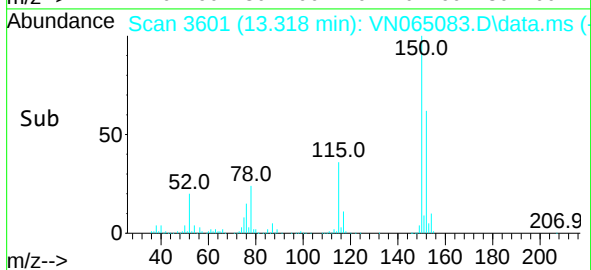
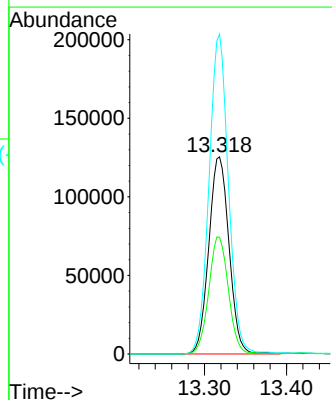
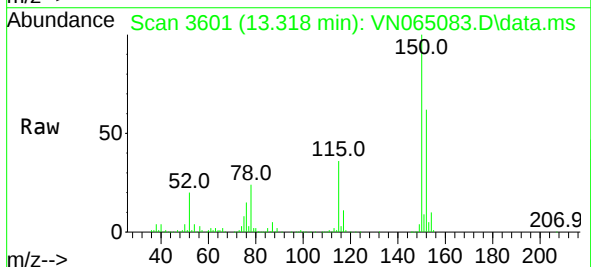
Instrument :
MSVOA_N
ClientSampled :

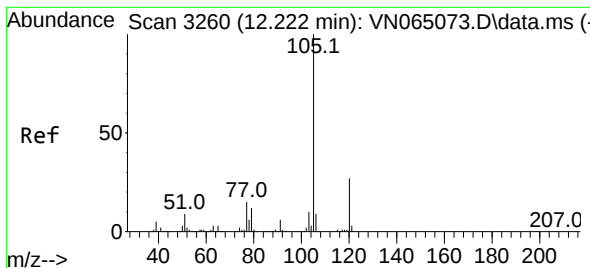
Tgt Ion:117 Resp: 474143
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 31.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion:152 Resp: 215236
Ion Ratio Lower Upper
152 100
115 57.8 29.7 89.1
150 155.2 0.0 350.6





#73

Isopropylbenzene

Concen: 1.85 ug/l

RT: 12.222 min Scan# 3260

Delta R.T. -0.000 min

Lab File: VN065083.D

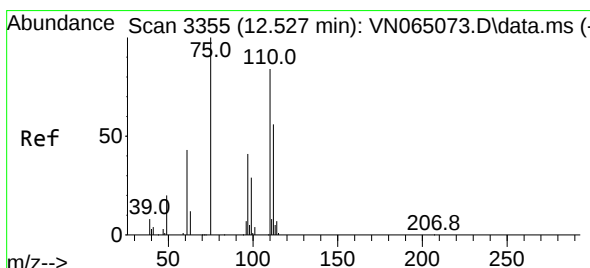
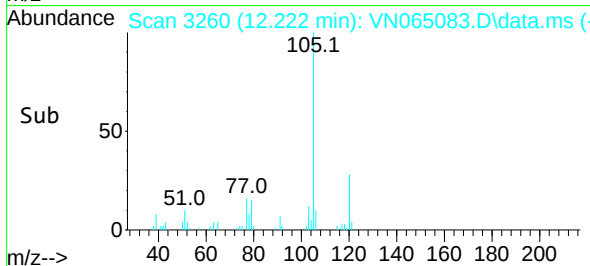
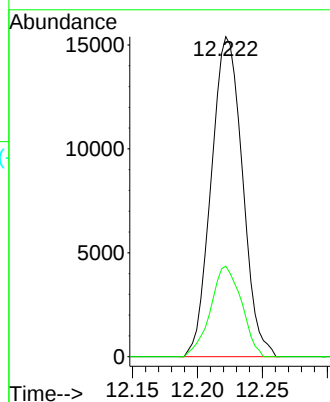
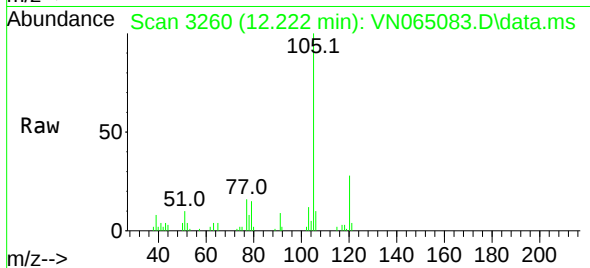
Acq: 11 Dec 2020 20:50

Tgt Ion:105 Resp: 25683

Ion Ratio Lower Upper

105 100

120 28.1 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 27.35 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. -0.151 min

Lab File: VN065083.D

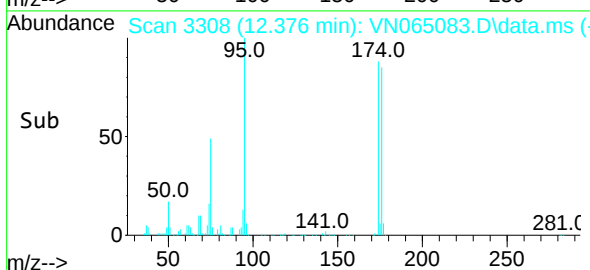
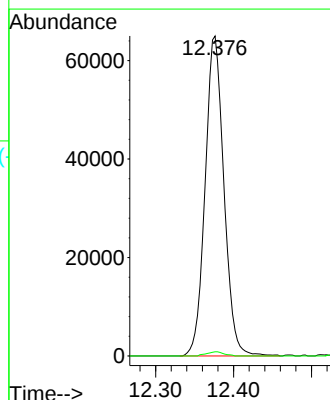
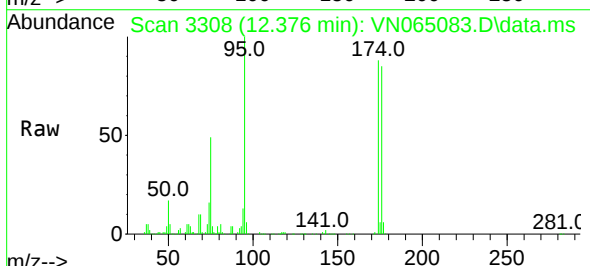
Acq: 11 Dec 2020 20:50

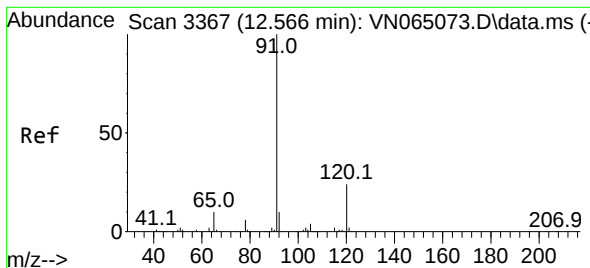
Tgt Ion: 75 Resp: 108886

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 12.559 min Scan# 3365

Delta R.T. -0.007 min

Lab File: VN065083.D

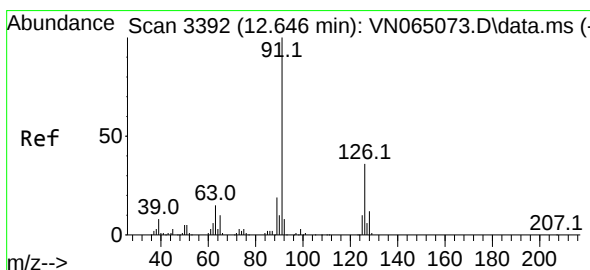
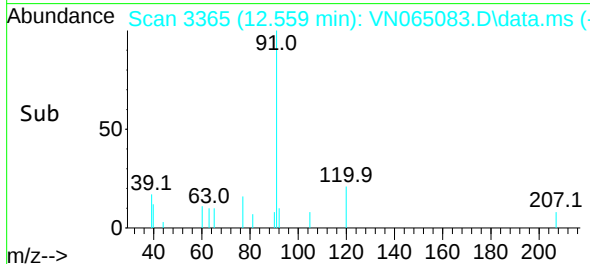
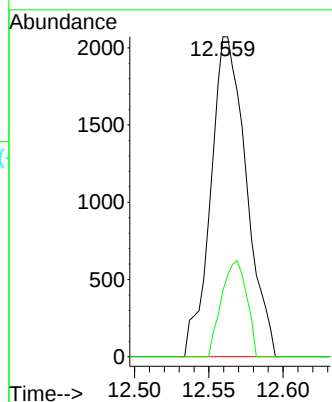
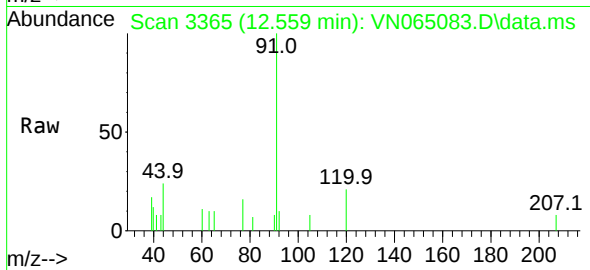
Acq: 11 Dec 2020 20:50

Tgt Ion: 91 Resp: 3442

Ion Ratio Lower Upper

91 100

120 21.2 11.6 34.7



#79

2-Chlorotoluene

Concen: 0.35 ug/l

RT: 12.559 min Scan# 3365

Delta R.T. -0.087 min

Lab File: VN065083.D

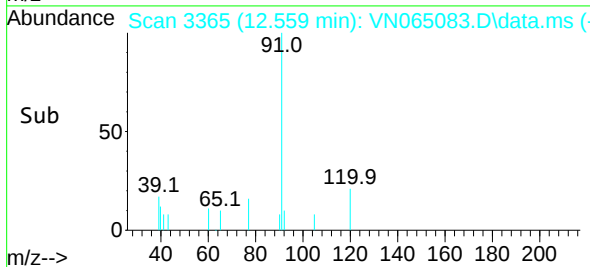
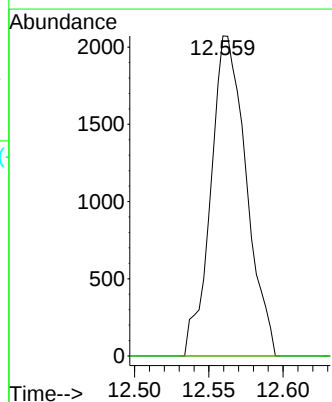
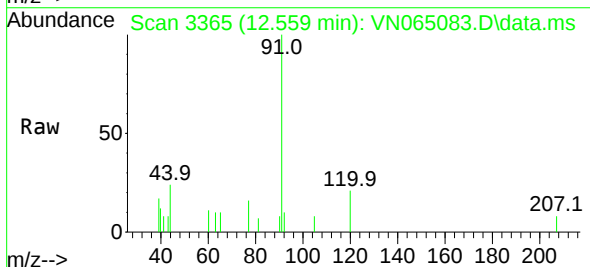
Acq: 11 Dec 2020 20:50

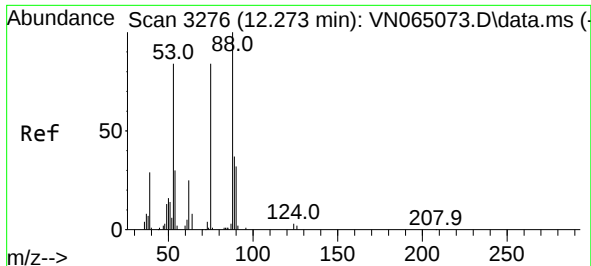
Tgt Ion: 91 Resp: 3442

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#

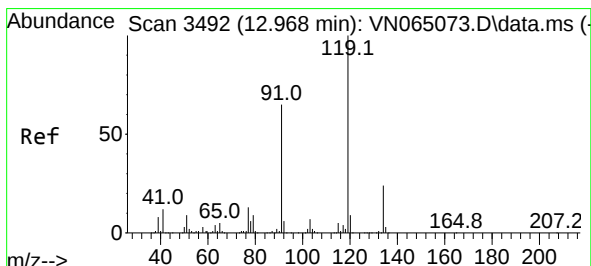
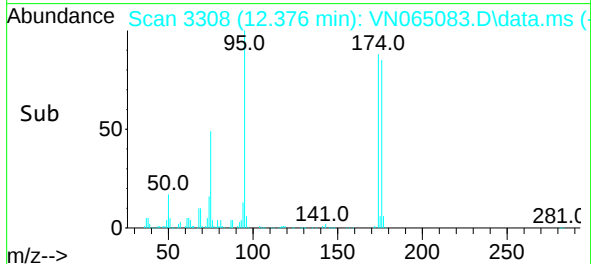
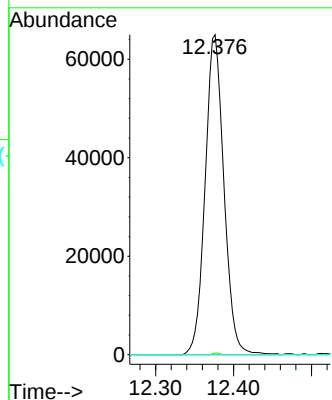
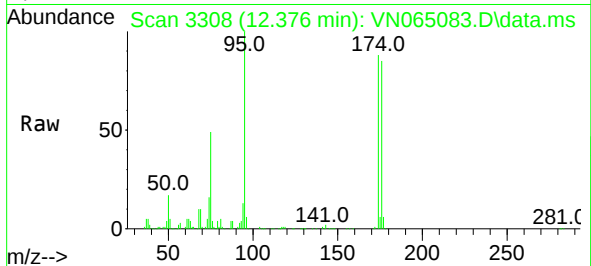




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.93 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065083.D
 Acq: 11 Dec 2020 20:50

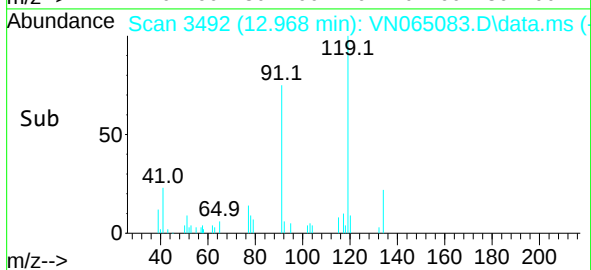
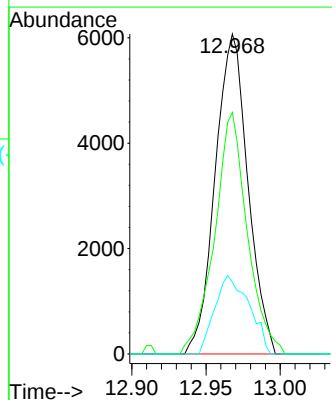
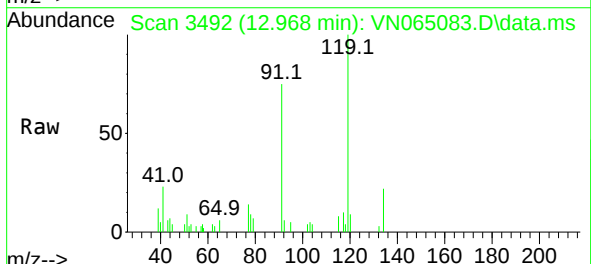
Instrument :
 MSVOA_N
 ClientSampleId :

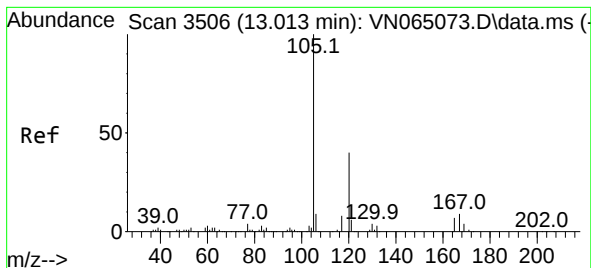
Tgt Ion: 75 Resp: 108886
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.0 100.4#
 89 0.0 39.6 59.4#



#83
 tert-Butylbenzene
 Concen: 0.97 ug/l
 RT: 12.968 min Scan# 3492
 Delta R.T. -0.000 min
 Lab File: VN065083.D
 Acq: 11 Dec 2020 20:50

Tgt Ion: 119 Resp: 9301
 Ion Ratio Lower Upper
 119 100
 91 75.2 32.3 96.8
 134 25.7 12.6 37.6

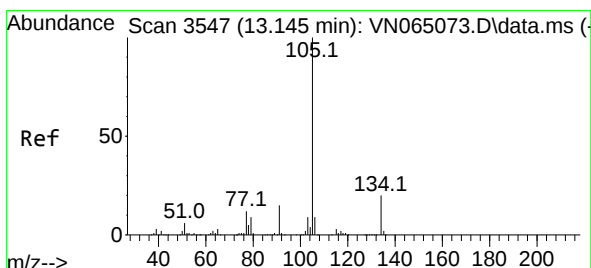
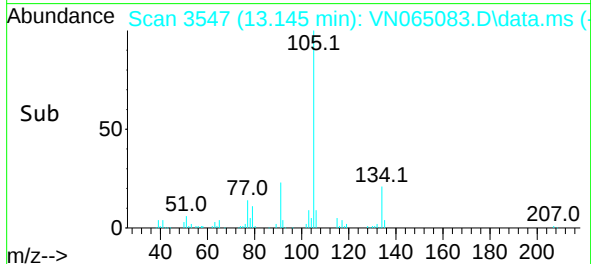
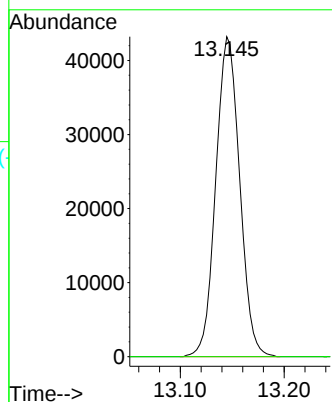
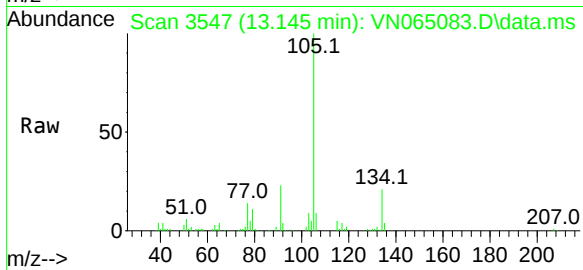




#84
1,2,4-Trimethylbenzene
Concen: 5.92 ug/l
RT: 13.145 min Scan# 3547
Delta R.T. 0.132 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

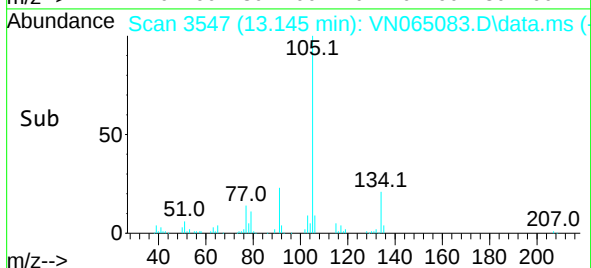
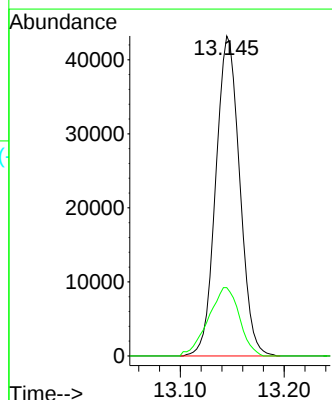
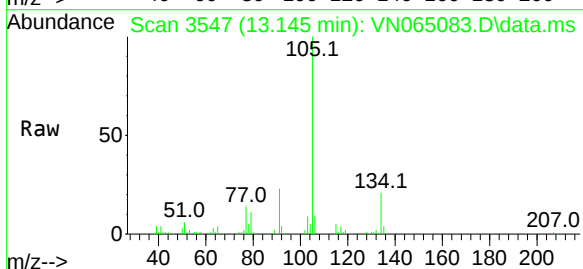
Instrument :
MSVOA_N
ClientSampled :

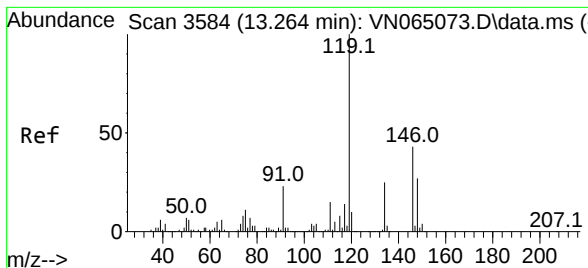
Tgt Ion:105 Resp: 69003
Ion Ratio Lower Upper
105 100
120 0.0 23.1 69.2#



#85
sec-Butylbenzene
Concen: 5.58 ug/l
RT: 13.145 min Scan# 3547
Delta R.T. -0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion:105 Resp: 69003
Ion Ratio Lower Upper
105 100
134 27.8 10.1 30.1

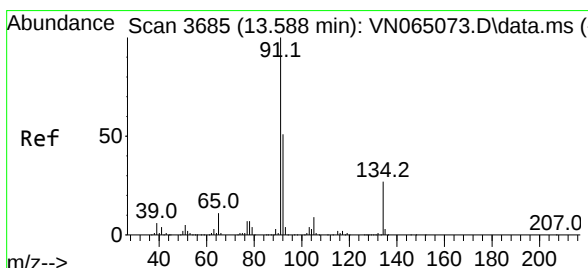
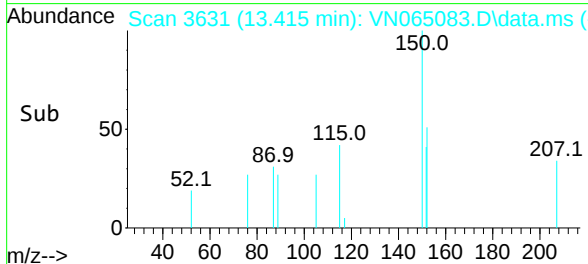
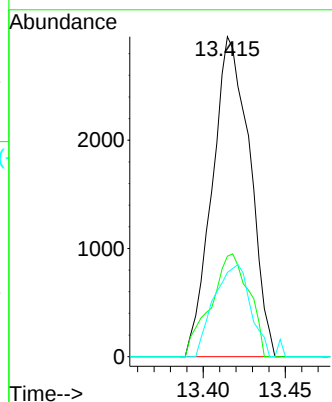
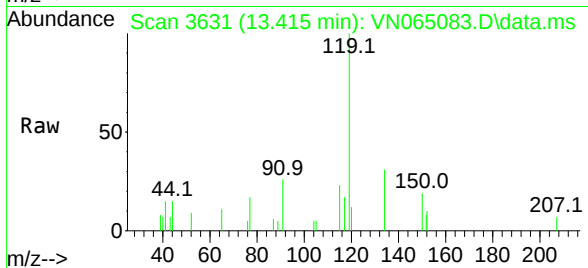




#86
p-Isopropyltoluene
Concen: 0.41 ug/l
RT: 13.415 min Scan# 3631
Delta R.T. 0.151 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

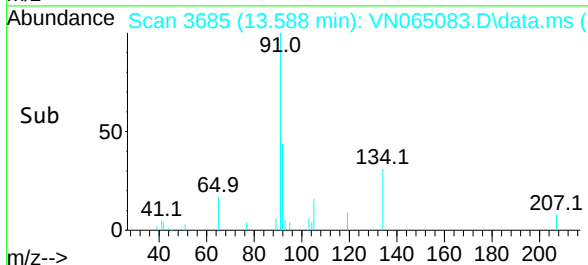
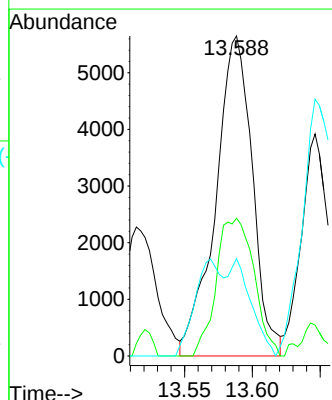
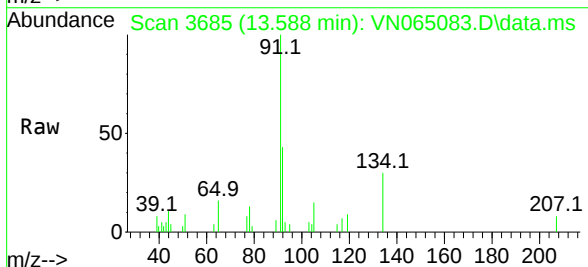
Instrument :
MSVOA_N
ClientSampled :

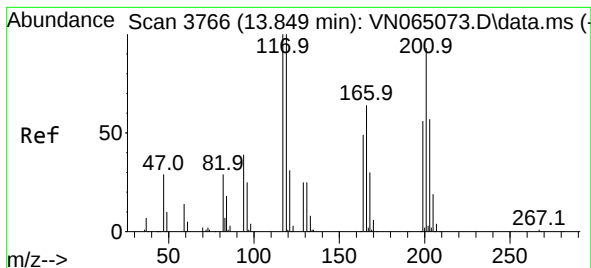
Tgt Ion:119 Resp: 4679
Ion Ratio Lower Upper
119 100
134 32.8 13.1 39.1
91 28.0 11.5 34.5



#89
n-Butylbenzene
Concen: 1.14 ug/l
RT: 13.588 min Scan# 3685
Delta R.T. 0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion: 91 Resp: 10668
Ion Ratio Lower Upper
91 100
92 44.0 26.0 78.0
134 22.3 12.9 38.6

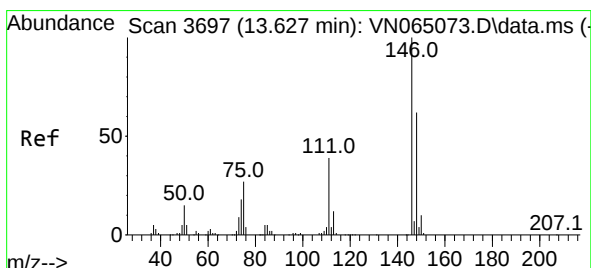
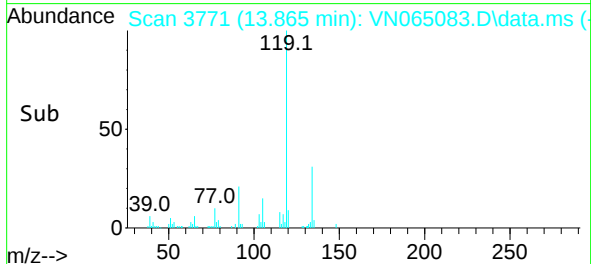
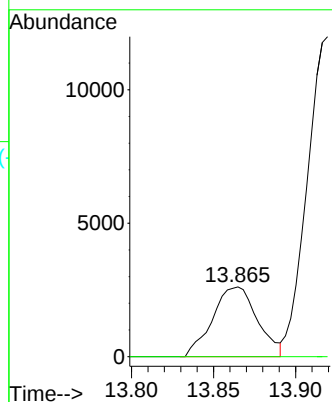
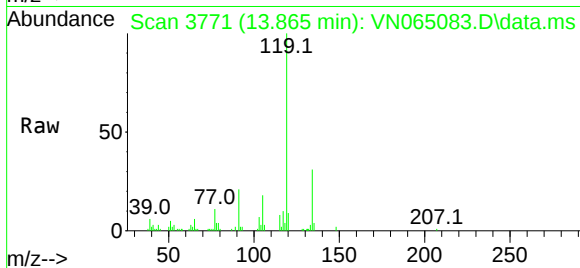




#90
Hexachloroethane
Concen: 2.23 ug/l
RT: 13.865 min Scan# 3771
Delta R.T. 0.016 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

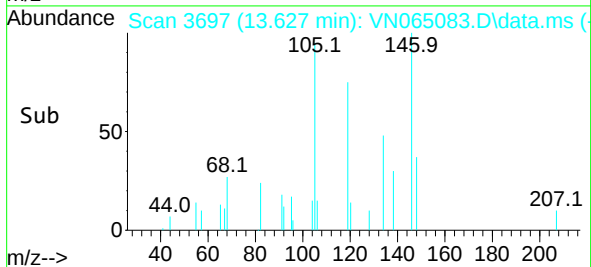
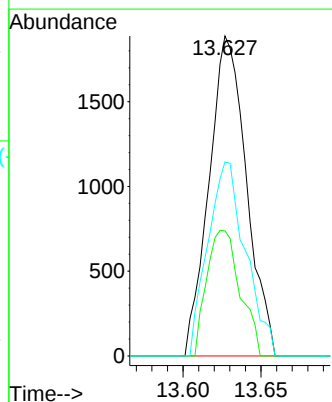
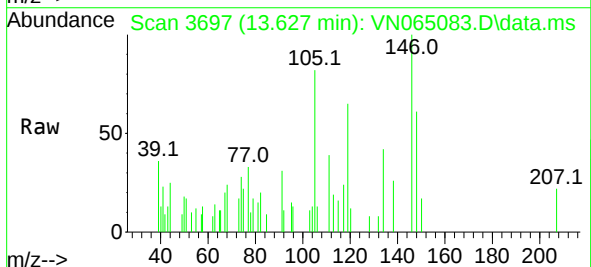
Instrument :
MSVOA_N
ClientSampled :

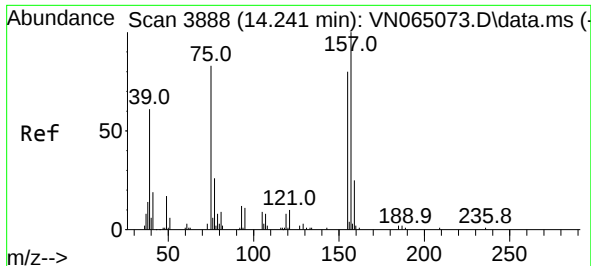
Tgt Ion:117 Resp: 4977
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#



#91
1,2-Dichlorobenzene
Concen: 0.47 ug/l
RT: 13.627 min Scan# 3697
Delta R.T. -0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion:146 Resp: 3146
Ion Ratio Lower Upper
146 100
111 35.0 21.1 63.1
148 61.1 32.0 96.2

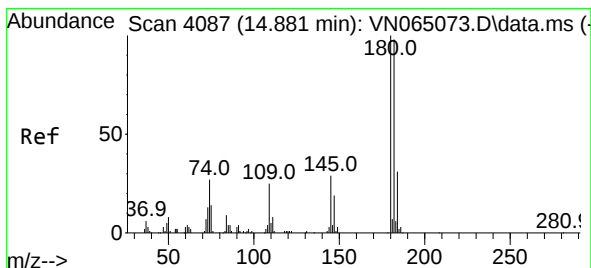
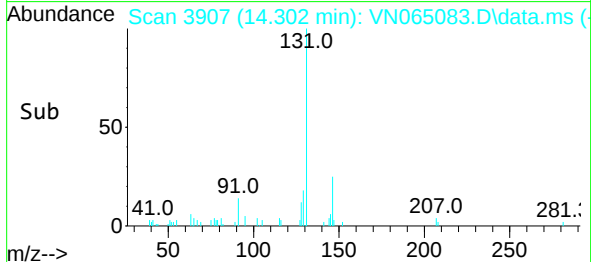
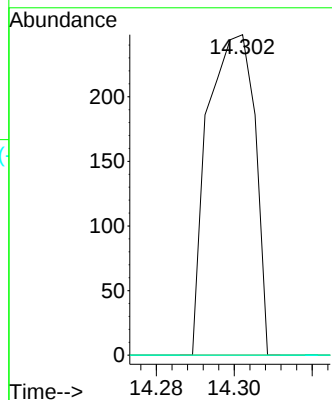
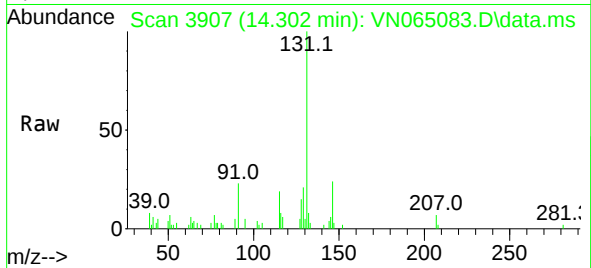




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.25 ug/l
RT: 14.302 min Scan# 3907
Delta R.T. 0.061 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

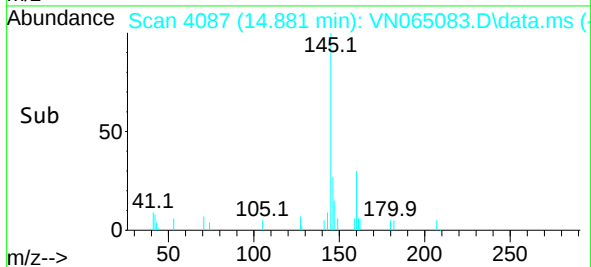
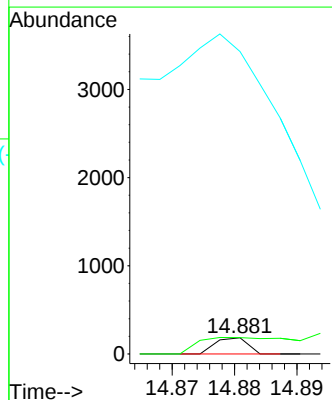
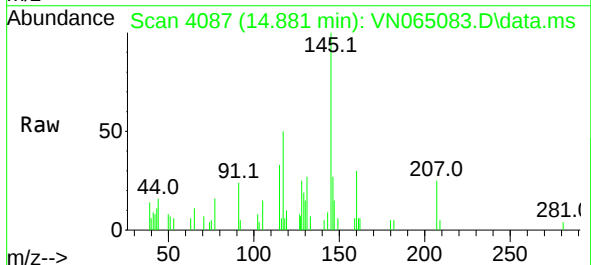
Instrument :
MSVOA_N
ClientSampleId :

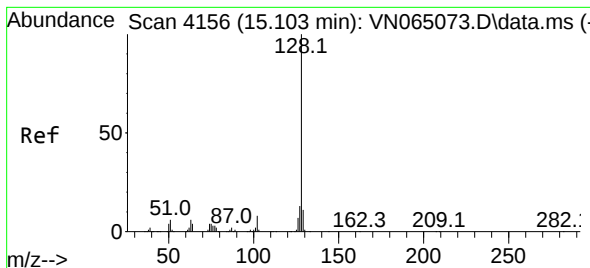
Tgt Ion: 75 Resp: 208
Ion Ratio Lower Upper
75 100
155 0.0 42.8 128.3#
157 0.0 56.4 169.1#



#93
1,2,4-Trichlorobenzene
Concen: 4.14 ug/l
RT: 14.881 min Scan# 4087
Delta R.T. -0.000 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion: 180 Resp: 66
Ion Ratio Lower Upper
180 100
182 204.5 47.6 142.9#
145 0.0 15.3 45.8#

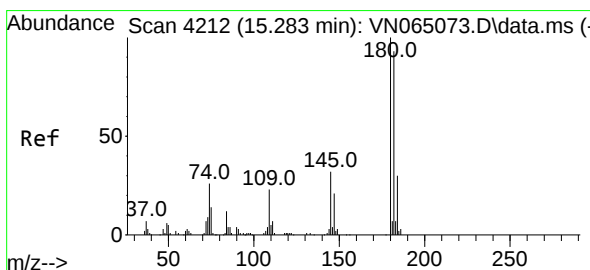
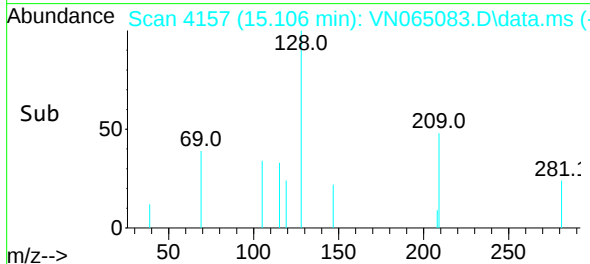
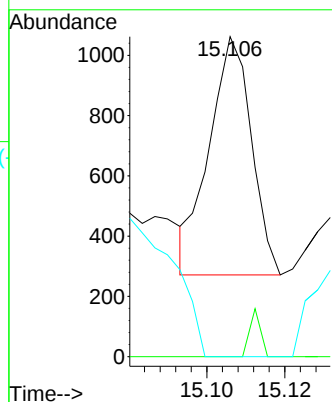
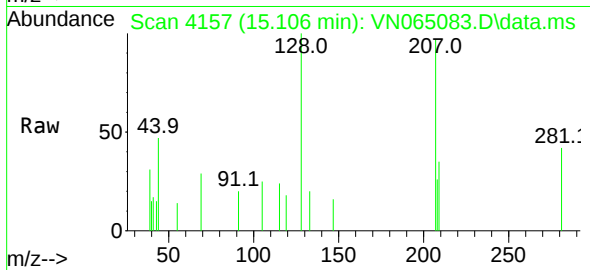




#95
Naphthalene
Concen: 4.80 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.003 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 595
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.66 ug/l
RT: 15.286 min Scan# 4213
Delta R.T. 0.003 min
Lab File: VN065083.D
Acq: 11 Dec 2020 20:50

Tgt Ion:180 Resp: 315
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 0.0 16.4 49.1#

