

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021821\
 Data File : VN065940.D
 Acq On : 18 Feb 2021 15:00
 Operator : JC/MD
 Sample : M1425-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 19 00:16:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

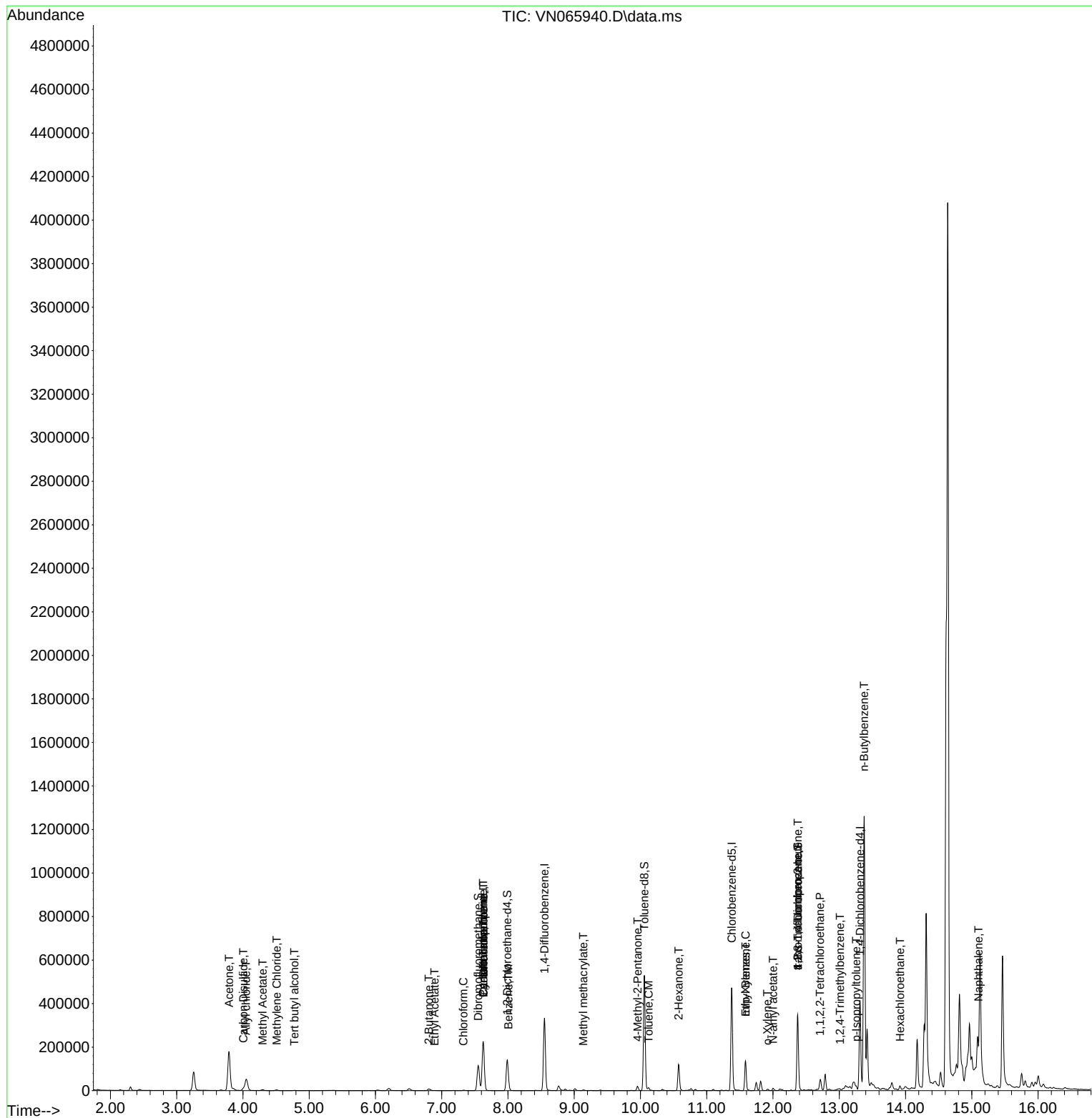
Internal Standards						
1) Pentafluorobenzene	7.627	168	182281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	304552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	285210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	118708	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	120990	47.46	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.92%		
35) Dibromofluoromethane	7.550	113	93357	49.53	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.06%		
50) Toluene-d8	10.058	98	381663	49.33	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.66%		
62) 4-Bromofluorobenzene	12.373	95	134177	46.20	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.40%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.775	59	2412	6.81	ug/l #	73
14) Allyl chloride	4.045	41	7810	2.23	ug/l #	65
16) Acetone	3.788	43	289725	362.54	ug/l	99
17) Carbon Disulfide	4.007	76	20286	3.48	ug/l	98
18) Methyl Acetate	4.299	43	8309	3.94	ug/l #	86
20) Methylene Chloride	4.508	84	2598	1.10	ug/l	92
25) 2-Butanone	6.804	43	14795	11.73	ug/l	99
30) Chloroform	7.328	83	2770	0.69	ug/l	98
31) Cyclohexane	7.627	56	3347	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	14657	4.88	ug/l #	48
37) Ethyl Acetate	6.891	43	801	0.30	ug/l #	68
38) Carbon Tetrachloride	7.624	117	17769	6.37	ug/l #	17
40) Benzene	8.007	78	3256	0.35	ug/l	95
48) Methyl methacrylate	9.135	41	1194	0.55	ug/l #	26
51) 4-Methyl-2-Pentanone	9.955	43	14969	5.69	ug/l	93
52) Toluene	10.122	92	4997	0.88	ug/l	94
59) 2-Hexanone	10.576	43	80097	42.76	ug/l	74
67) Ethyl Benzene	11.585	91	83372	7.72	ug/l #	69
68) m/p-Xylenes	11.585	106	39841	9.89	ug/l	95
69) o-Xylene	11.913	106	809	0.21	ug/l	96
74) N-amyl acetate	12.000	43	9165	2.73	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.711	83	678	0.24	ug/l #	90
76) 1,2,3-Trichloropropane	12.373	75	65863	23.10	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	65863	73.61	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	2910	0.35	ug/l	94
86) p-Isopropyltoluene	13.257	119	9336	1.16	ug/l	97
89) n-Butylbenzene	13.376	91	16837	2.49	ug/l	72
90) Hexachloroethane	13.916	117	812	0.60	ug/l #	12
95) Naphthalene	15.100	128	1345	3.24	ug/l #	62

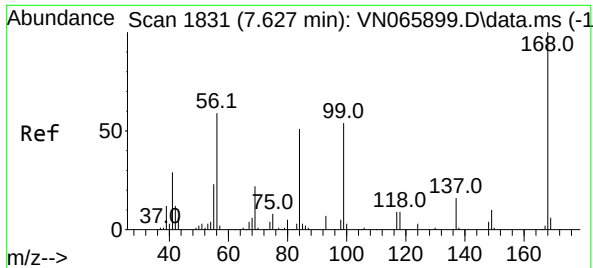
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021821\
Data File : VN065940.D
Acq On : 18 Feb 2021 15:00
Operator : JC/MD
Sample : M1425-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 19 00:16:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 17 15:48:13 2021
Response via : Initial Calibration

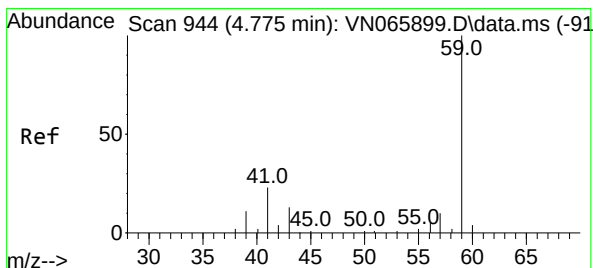
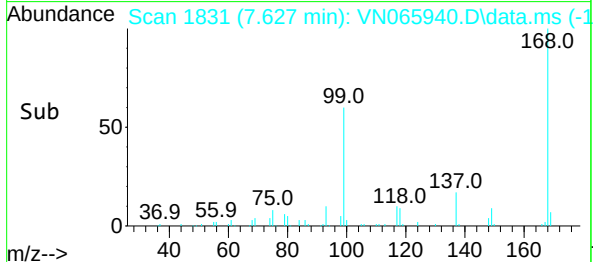
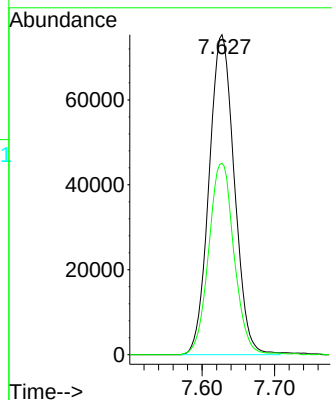
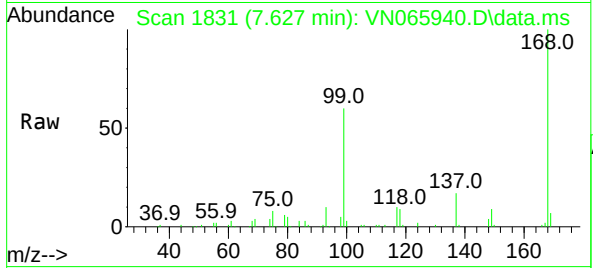




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

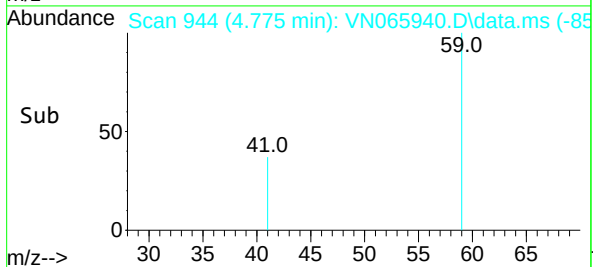
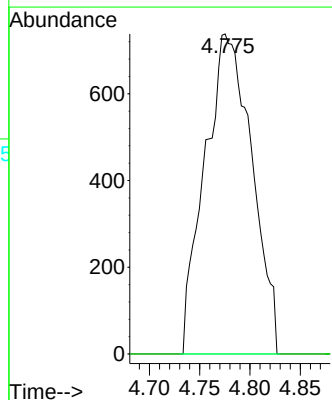
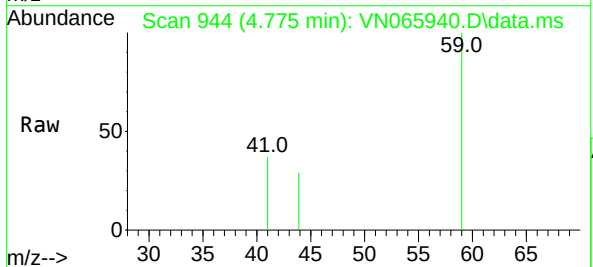
Instrument :
MSVOA_N
ClientSampleId :

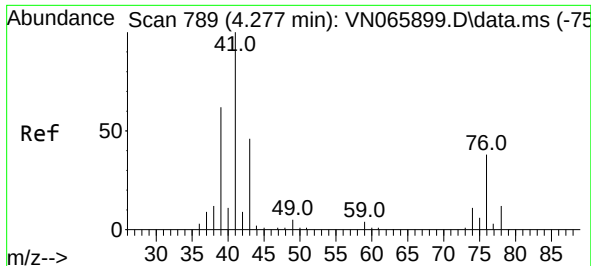
Tgt Ion:168 Resp: 182281
Ion Ratio Lower Upper
168 100
99 59.9 42.6 63.8



#11
Tert butyl alcohol
Concen: 6.81 ug/l
RT: 4.775 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 59 Resp: 2412
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

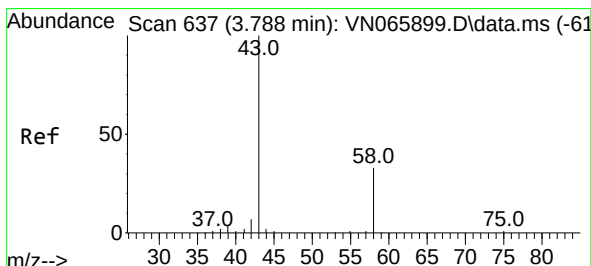
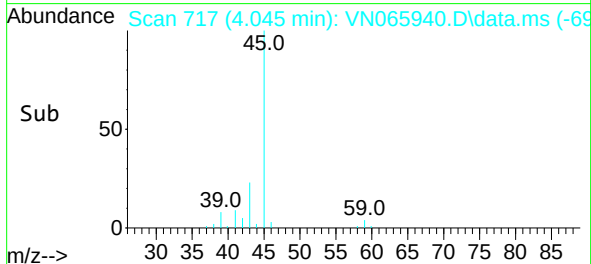
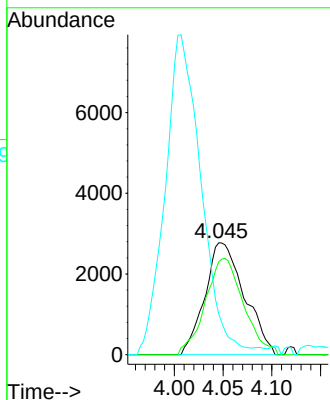
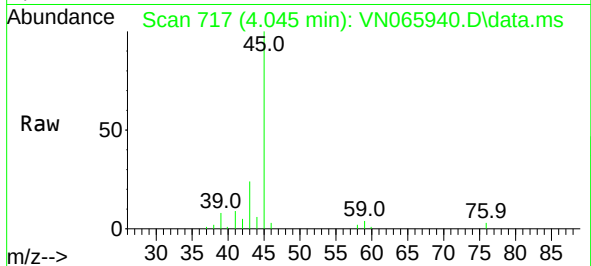




#14
Allyl chloride
Concen: 2.23 ug/l
RT: 4.045 min Scan# 717
Delta R.T. -0.232 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

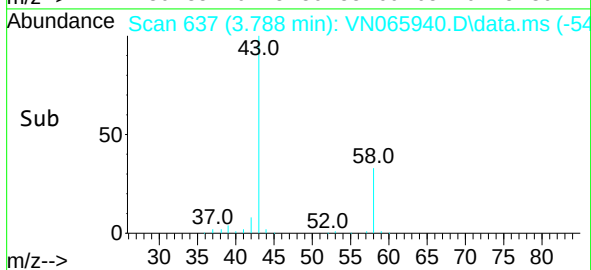
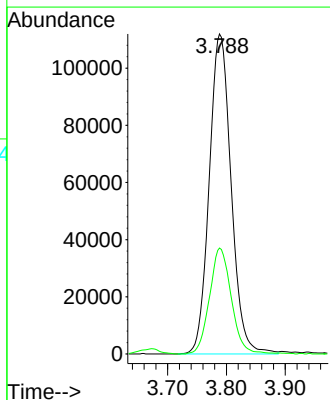
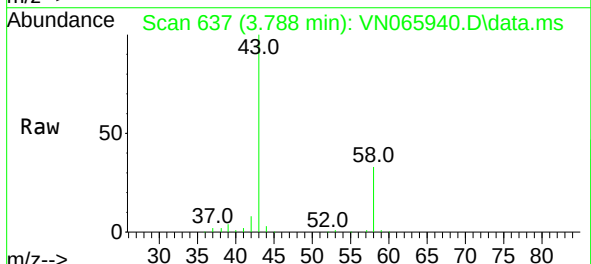
Instrument :
MSVOA_N
ClientSampled :

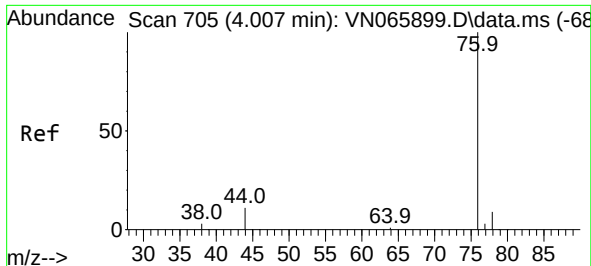
Tgt Ion: 41 Resp: 7810
Ion Ratio Lower Upper
41 100
39 83.0 53.0 79.4#
76 0.0 28.9 43.3#



#16
Acetone
Concen: 362.54 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

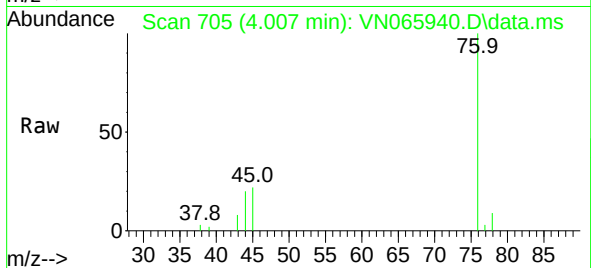
Tgt Ion: 43 Resp: 289725
Ion Ratio Lower Upper
43 100
58 33.1 27.0 40.6



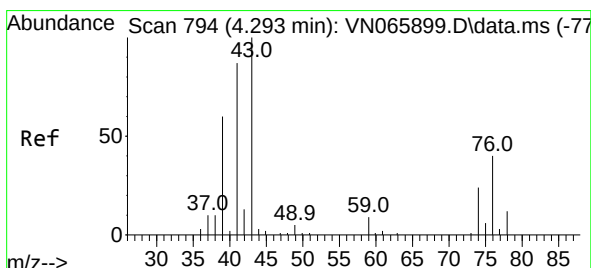
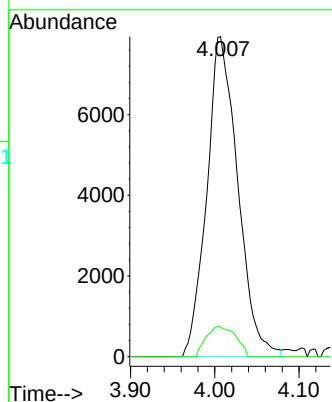
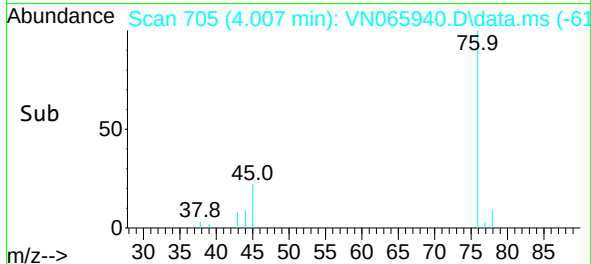


#17
Carbon Disulfide
Concen: 3.48 ug/l
RT: 4.007 min Scan# 705
Delta R.T. -0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

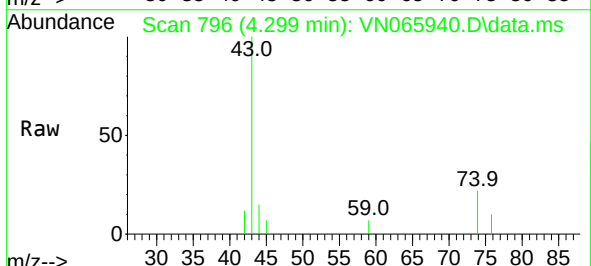
Instrument :
MSVOA_N
ClientSampled :



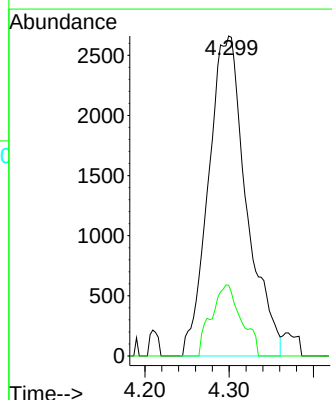
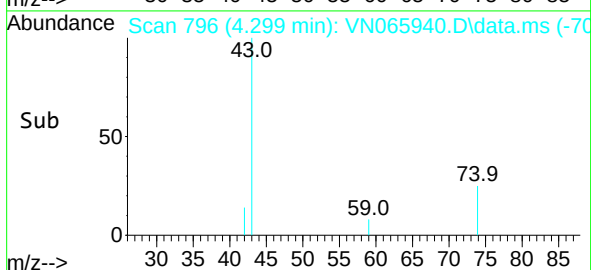
Tgt Ion: 76 Resp: 20286
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6

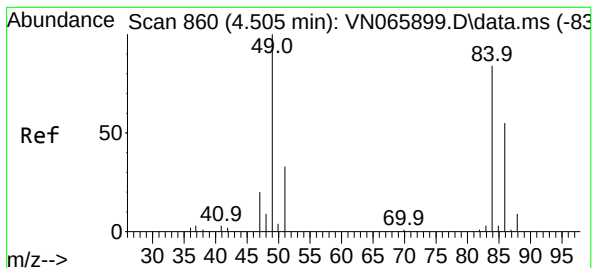


#18
Methyl Acetate
Concen: 3.94 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.006 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00



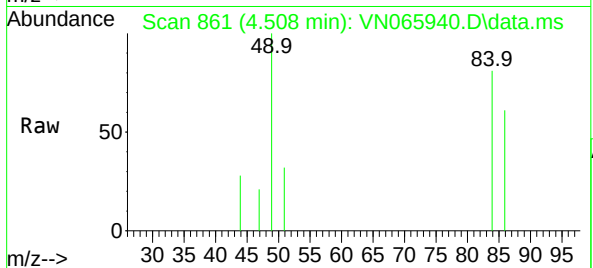
Tgt Ion: 43 Resp: 8309
Ion Ratio Lower Upper
43 100
74 17.5 19.5 29.3#





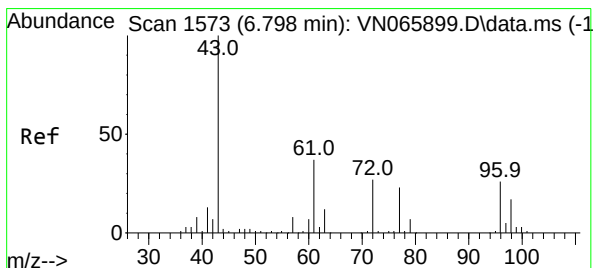
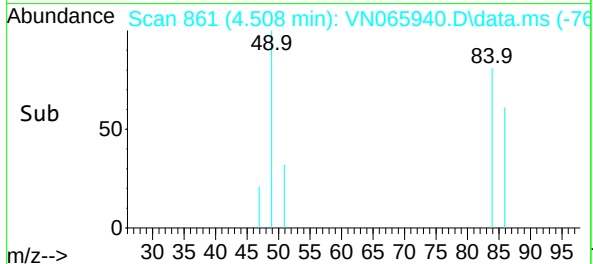
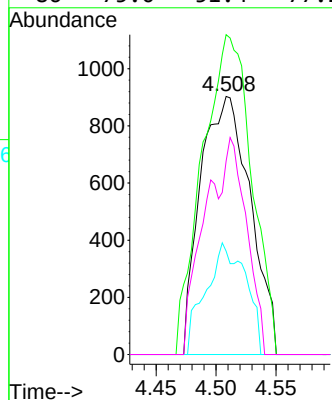
#20
Methylene Chloride
Concen: 1.10 ug/l
RT: 4.508 min Scan# 861
Delta R.T. 0.003 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Instrument :
MSVOA_N
ClientSampled :

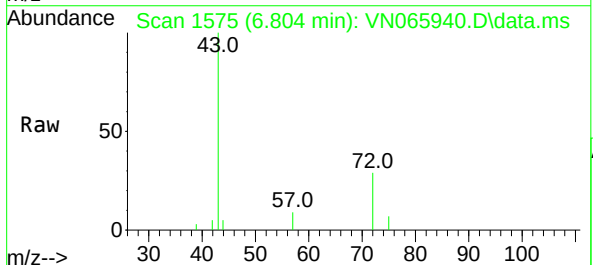


Tgt Ion: 84 Resp: 2598

Ion	Ratio	Lower	Upper
84	100		
49	123.9	94.6	141.8
51	40.1	29.9	44.9
86	75.0	51.4	77.2

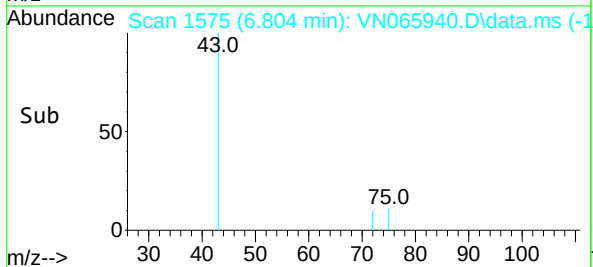
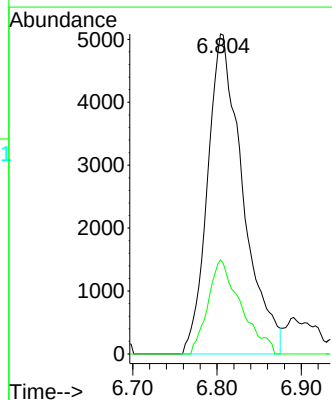


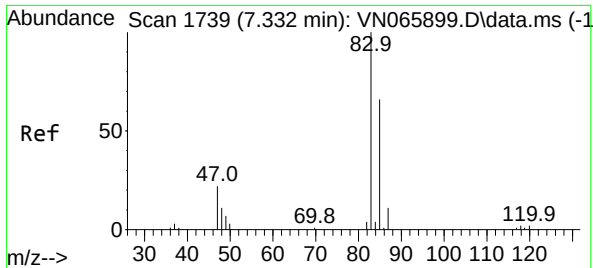
#25
2-Butanone
Concen: 11.73 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00



Tgt Ion: 43 Resp: 14795

Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.1	34.7

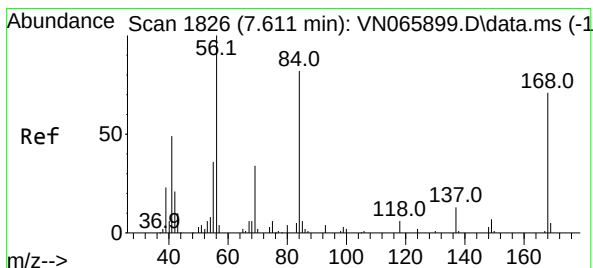
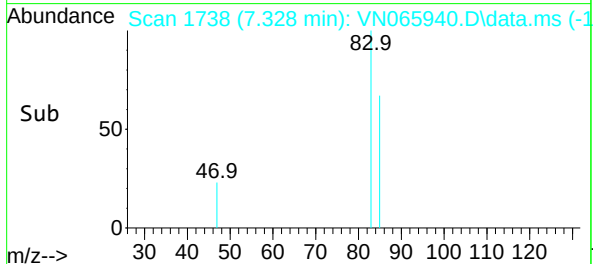
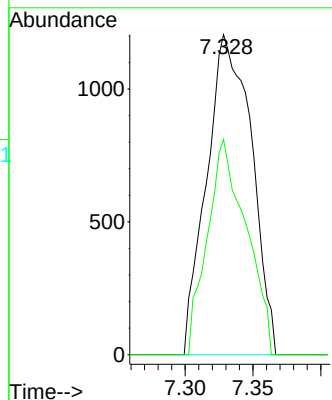
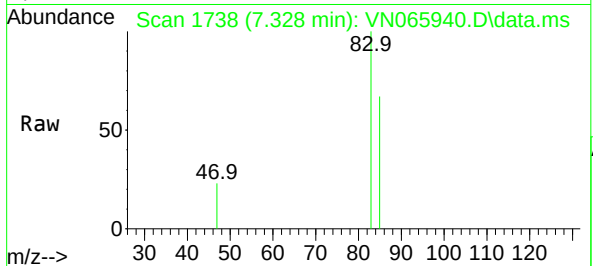




#30
Chloroform
Concen: 0.69 ug/l
RT: 7.328 min Scan# 1738
Delta R.T. -0.004 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

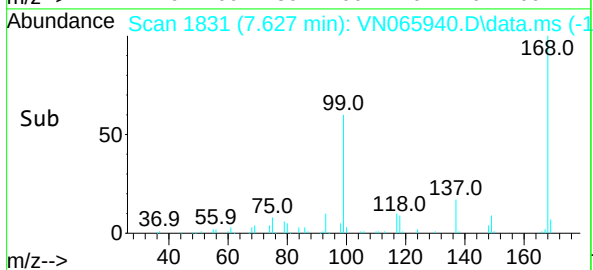
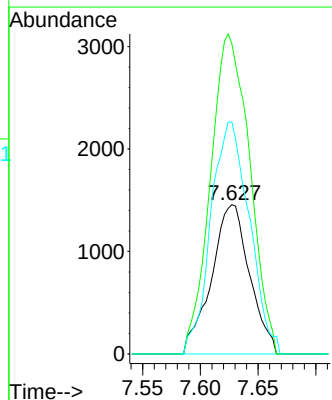
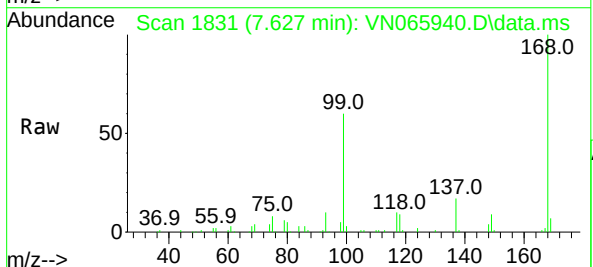
Instrument :
MSVOA_N
ClientSampled :

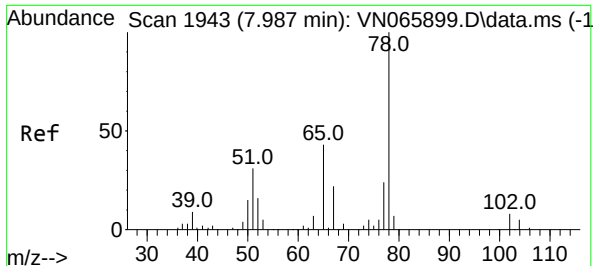
Tgt Ion: 83 Resp: 2770
Ion Ratio Lower Upper
83 100
85 67.3 52.6 78.8



#31
Cyclohexane
Concen: 0.88 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 56 Resp: 3347
Ion Ratio Lower Upper
56 100
69 207.7 26.6 39.8#
84 155.3 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 47.46 ug/l

RT: 7.991 min Scan# 1944

Delta R.T. 0.004 min

Lab File: VN065940.D

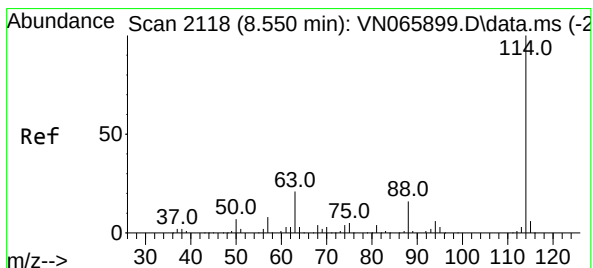
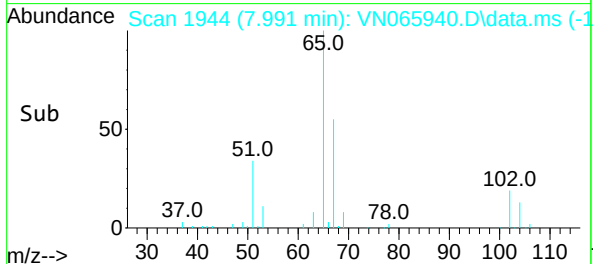
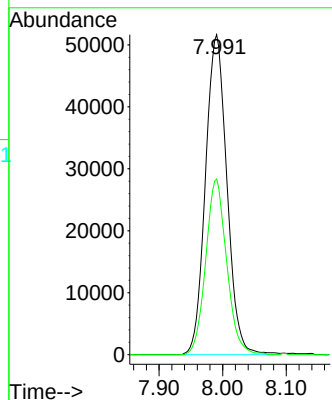
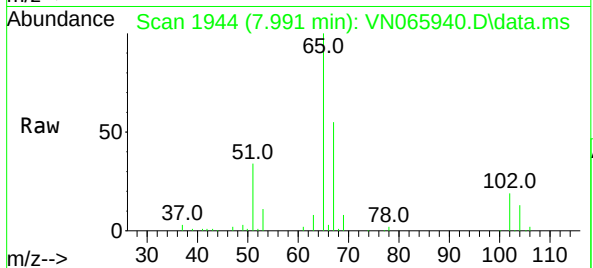
Acq: 18 Feb 2021 15:00

Tgt Ion: 65 Resp: 120990

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. 0.000 min

Lab File: VN065940.D

Acq: 18 Feb 2021 15:00

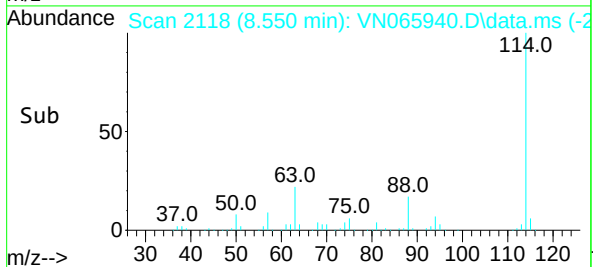
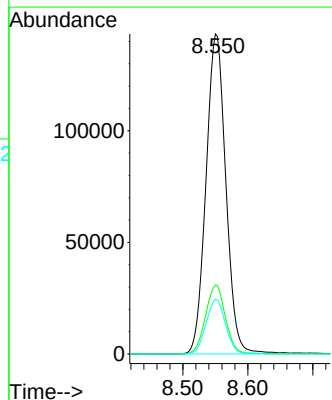
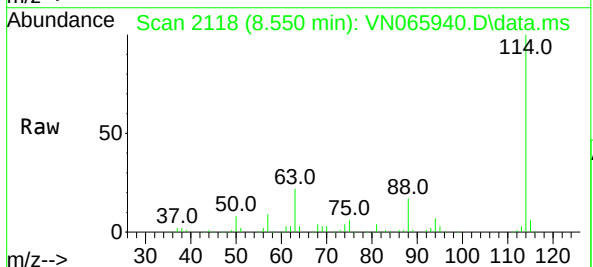
Tgt Ion: 114 Resp: 304552

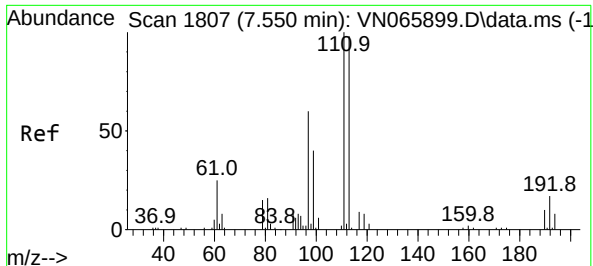
Ion Ratio Lower Upper

114 100

63 21.6 0.0 38.6

88 17.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.53 ug/l

RT: 7.550 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN065940.D

Acq: 18 Feb 2021 15:00

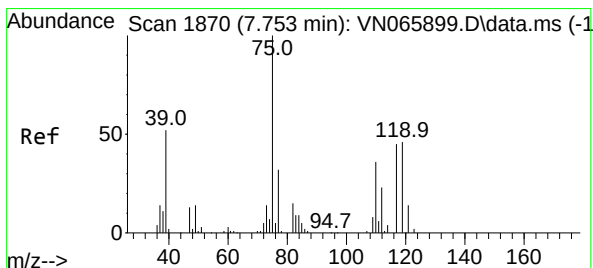
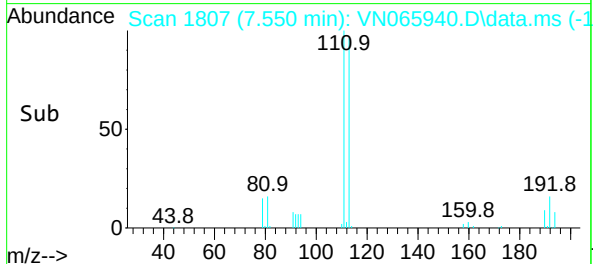
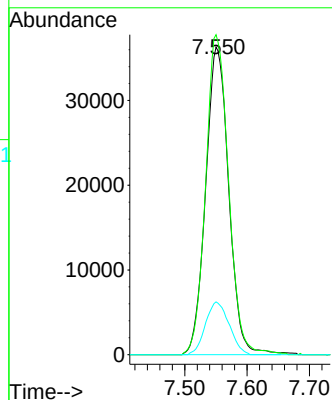
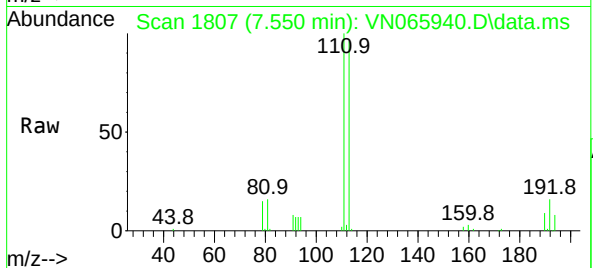
Tgt Ion:113 Resp: 93357

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 17.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN065940.D

Acq: 18 Feb 2021 15:00

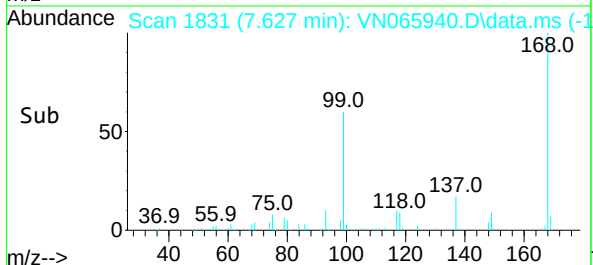
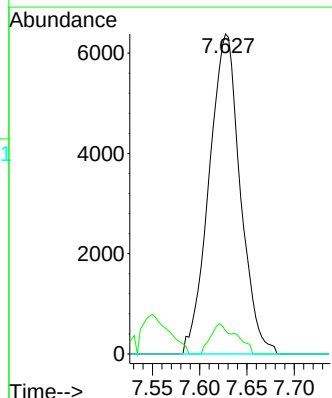
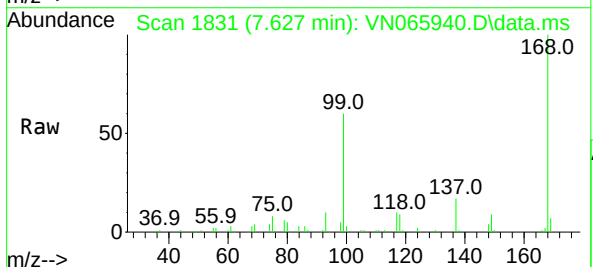
Tgt Ion: 75 Resp: 14657

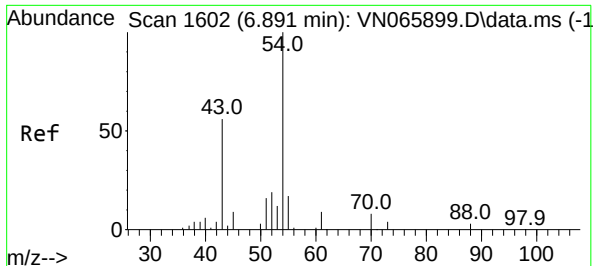
Ion Ratio Lower Upper

75 100

110 7.7 18.2 54.6#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.30 ug/l

RT: 6.891 min Scan# 1602

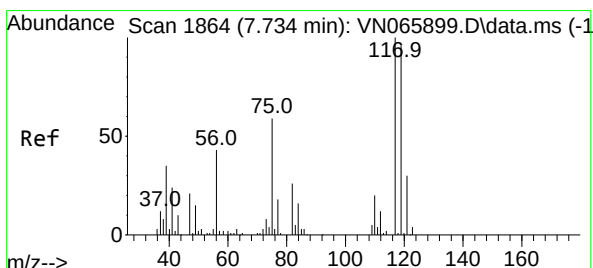
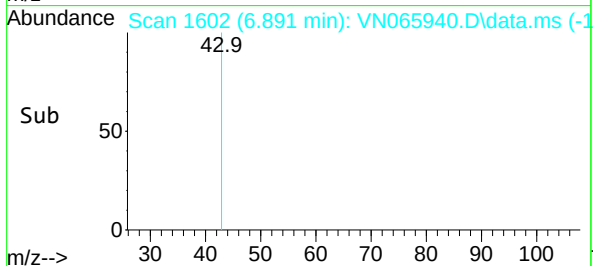
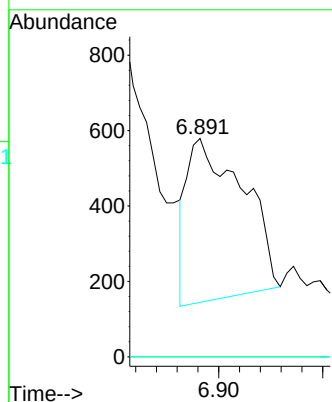
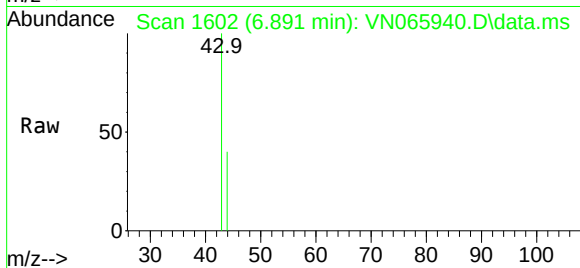
Delta R.T. -0.000 min

Lab File: VN065940.D

Acq: 18 Feb 2021 15:00

Tgt Ion:	43	Resp:	801
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.37 ug/l

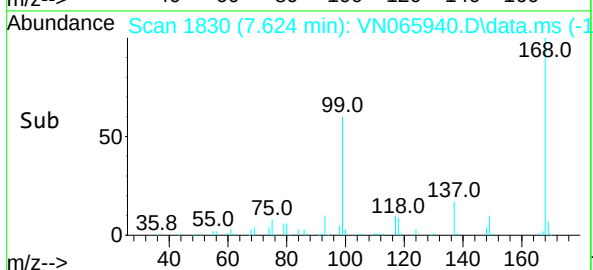
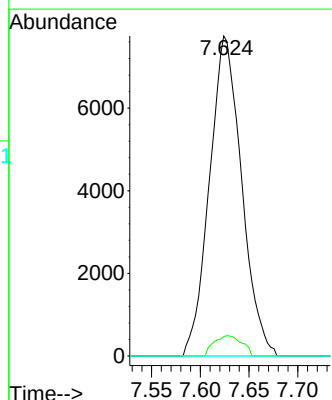
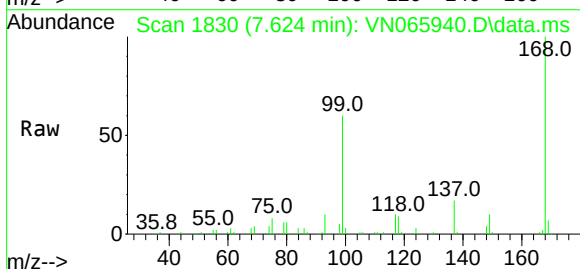
RT: 7.624 min Scan# 1830

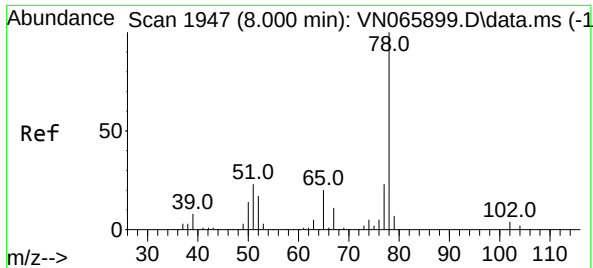
Delta R.T. -0.110 min

Lab File: VN065940.D

Acq: 18 Feb 2021 15:00

Tgt Ion:	117	Resp:	17769
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.0	114.0#
121	0.0	24.5	36.7#

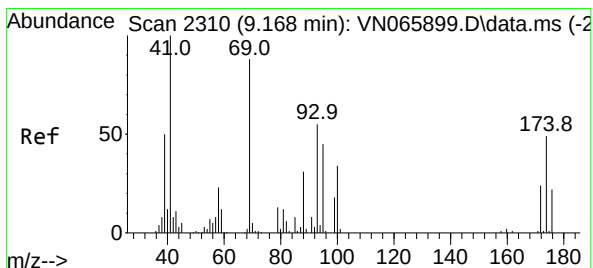
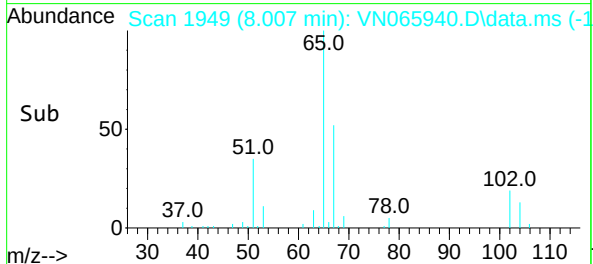
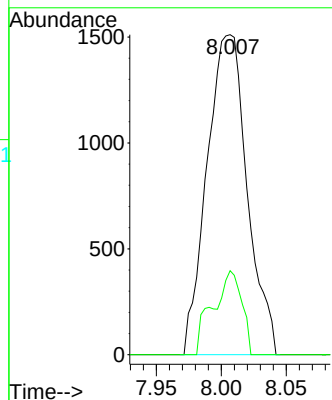
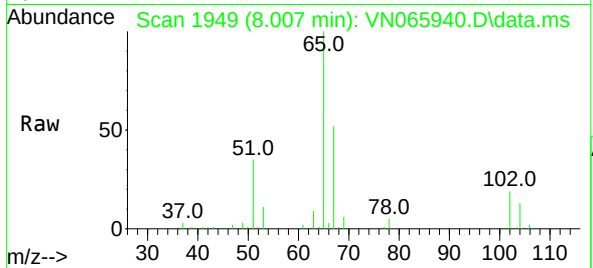




#40
Benzene
Concen: 0.35 ug/l
RT: 8.007 min Scan# 1949
Delta R.T. 0.007 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

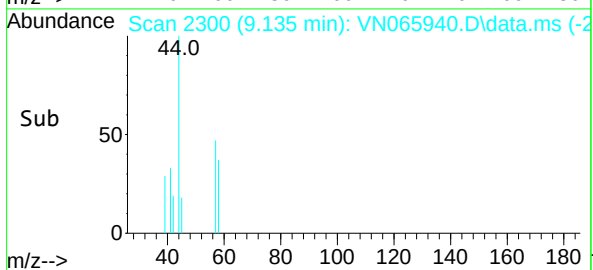
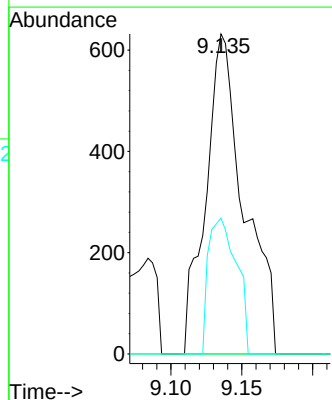
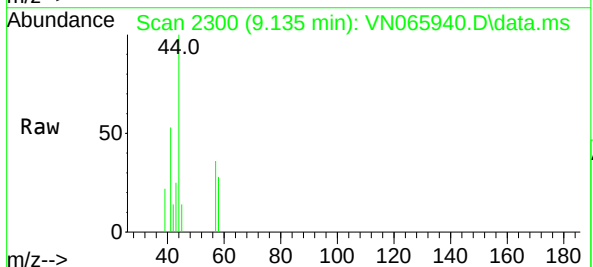
Instrument :
MSVOA_N
ClientSampled :

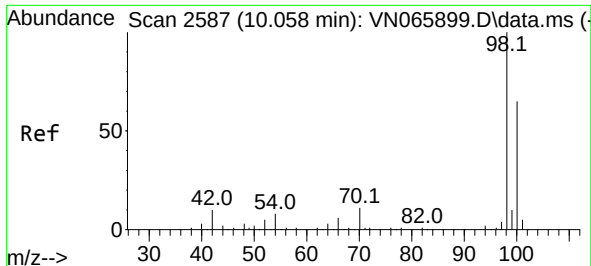
Tgt Ion: 78 Resp: 3256
Ion Ratio Lower Upper
78 100
77 26.3 19.0 28.4



#48
Methyl methacrylate
Concen: 0.55 ug/l
RT: 9.135 min Scan# 2300
Delta R.T. -0.033 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 41 Resp: 1194
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 31.1 46.6 69.8#

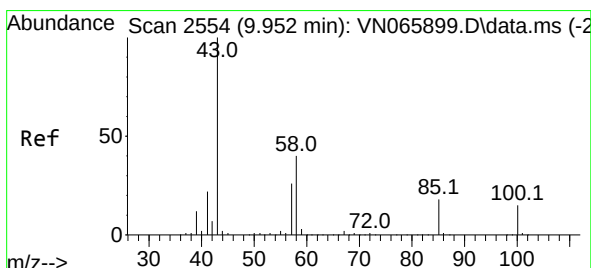
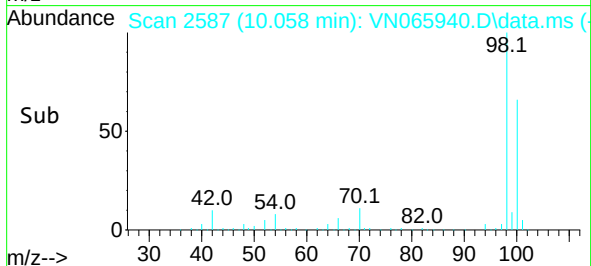
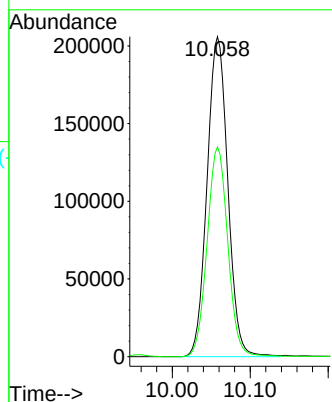
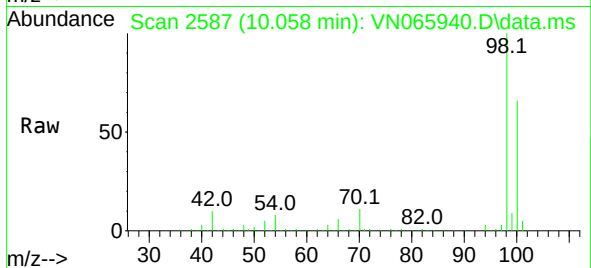




#50
Toluene-d8
Concen: 49.33 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

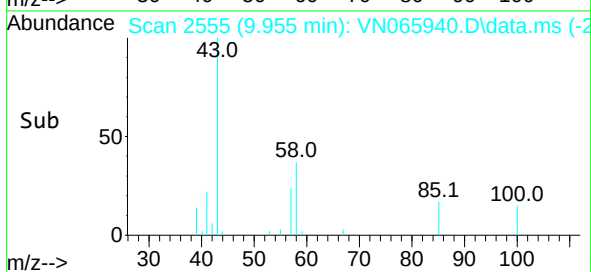
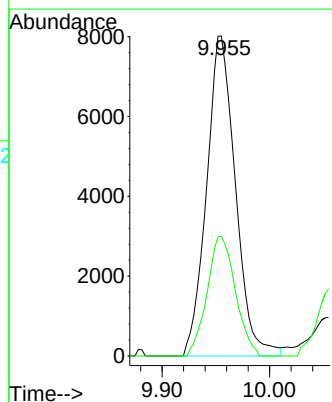
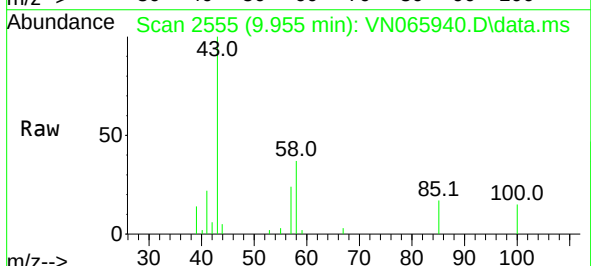
Tgt Ion: 98 Resp: 381663
Ion Ratio Lower Upper
98 100
100 65.3 50.5 75.7

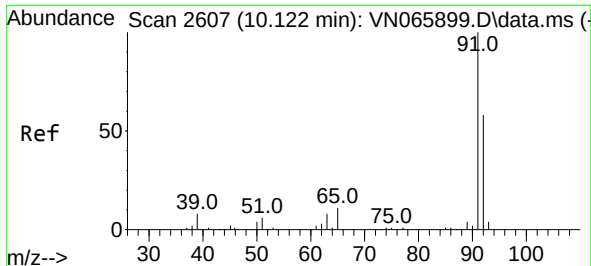
Instrument :
MSVOA_N
ClientSampled :



#51
4-Methyl-2-Pentanone
Concen: 5.69 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 43 Resp: 14969
Ion Ratio Lower Upper
43 100
58 36.5 32.5 48.7

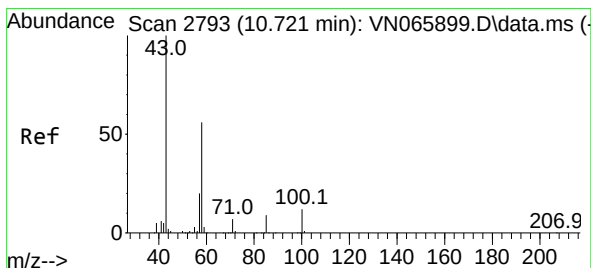
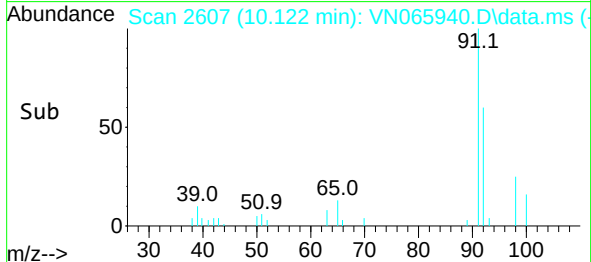
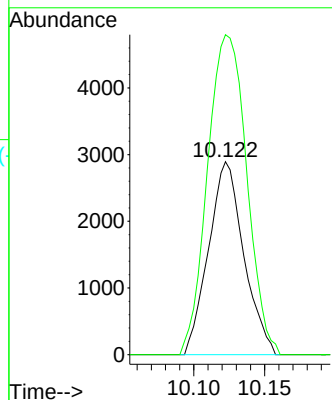
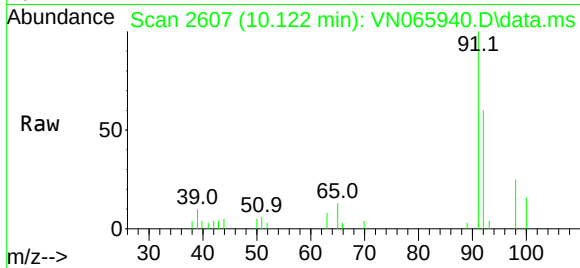




#52
Toluene
Concen: 0.88 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

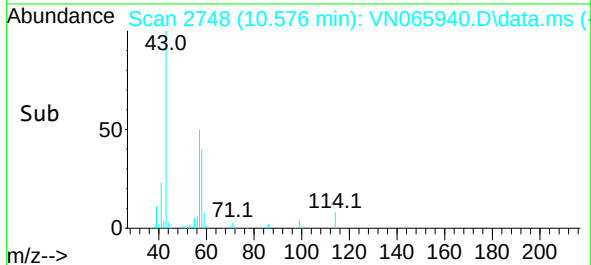
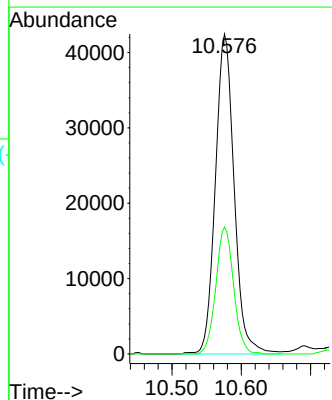
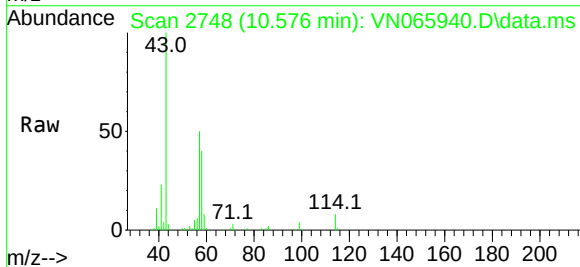
Instrument :
MSVOA_N
ClientSampled :

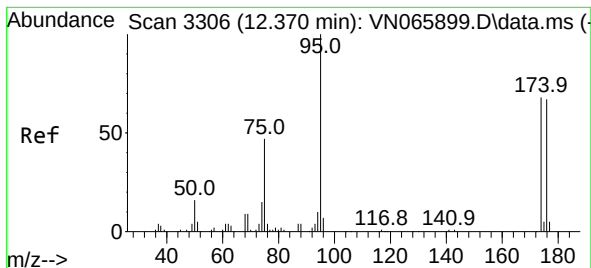
Tgt Ion: 92 Resp: 4997
Ion Ratio Lower Upper
92 100
91 184.7 140.7 211.1



#59
2-Hexanone
Concen: 42.76 ug/l
RT: 10.576 min Scan# 2748
Delta R.T. -0.145 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 43 Resp: 80097
Ion Ratio Lower Upper
43 100
58 37.5 28.1 84.3

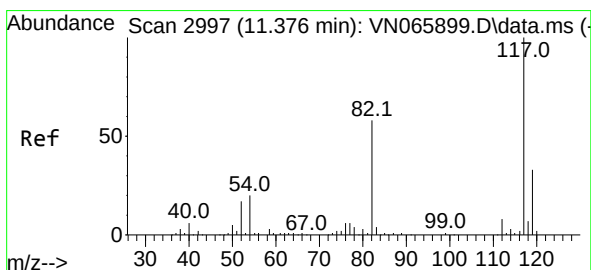
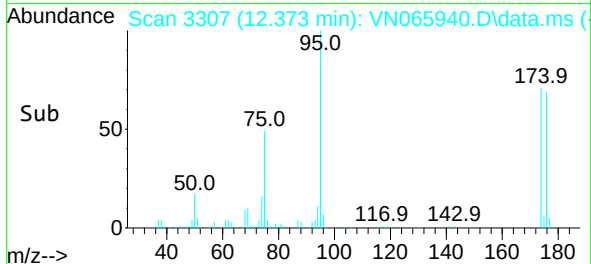
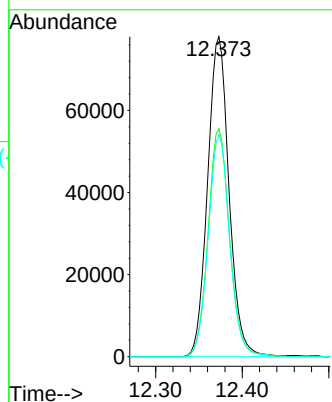
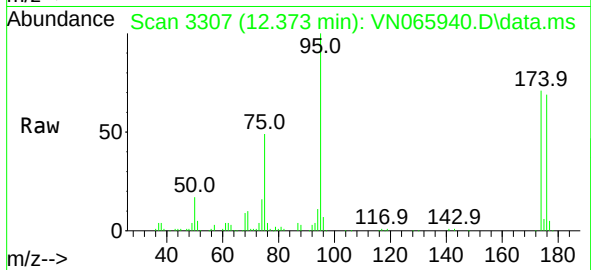




#62
4-Bromofluorobenzene
Concen: 46.20 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

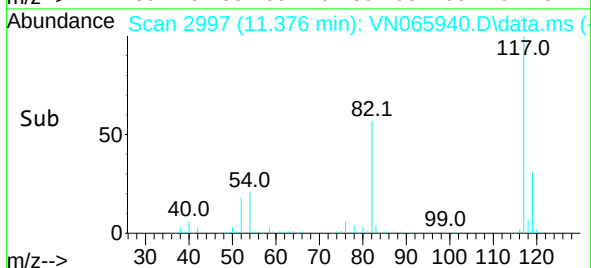
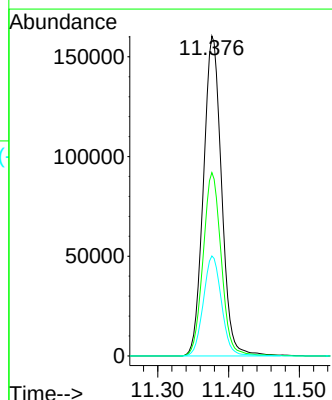
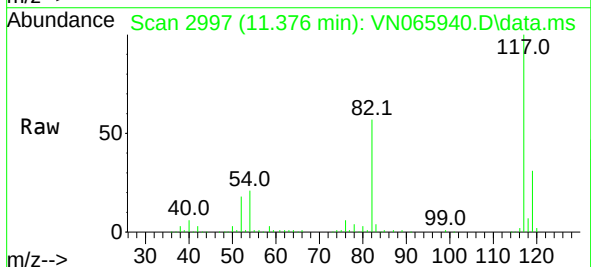
Instrument :
MSVOA_N
ClientSampleId :

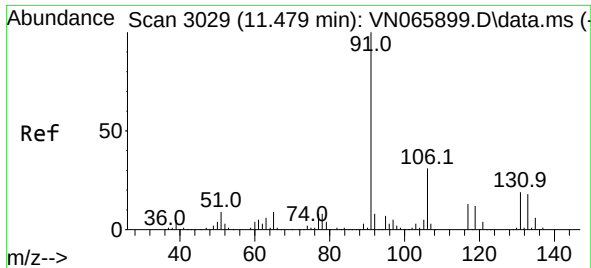
Tgt Ion: 95 Resp: 134177
Ion Ratio Lower Upper
95 100
174 71.5 0.0 169.0
176 69.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 117 Resp: 285210
Ion Ratio Lower Upper
117 100
82 57.3 43.7 65.5
119 31.3 26.1 39.1

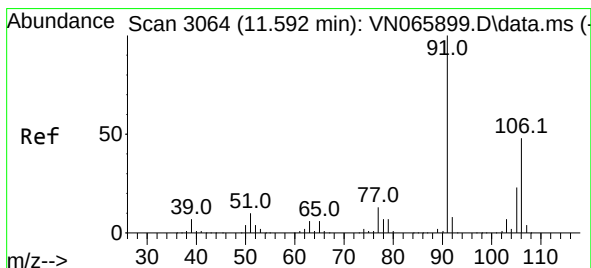
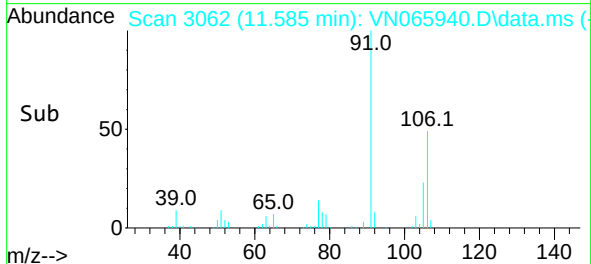
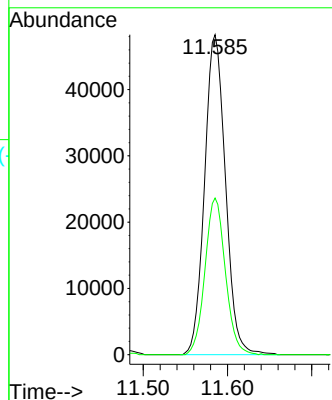
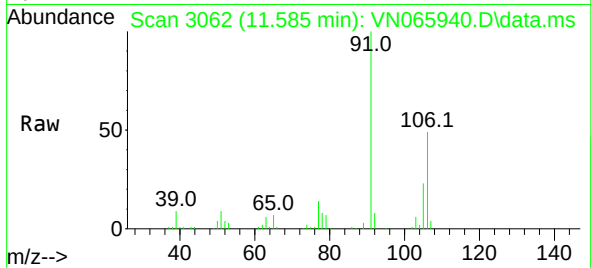




#67
Ethyl Benzene
Concen: 7.72 ug/l
RT: 11.585 min Scan# 3062
Delta R.T. 0.106 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

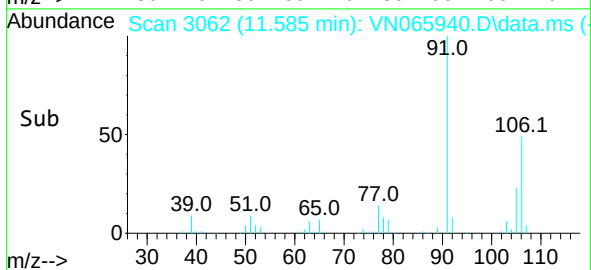
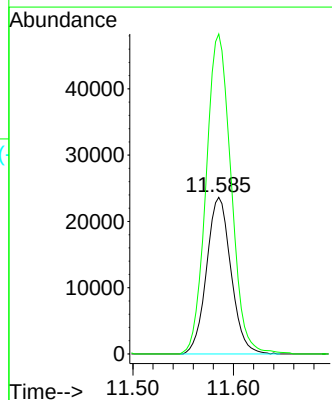
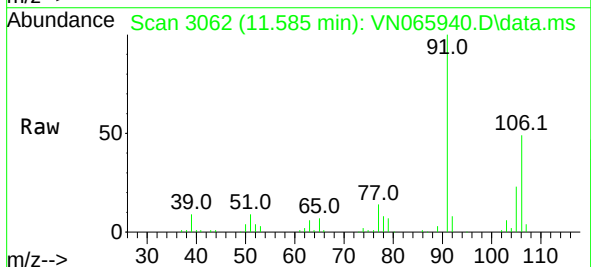
Instrument :
MSVOA_N
ClientSampled :

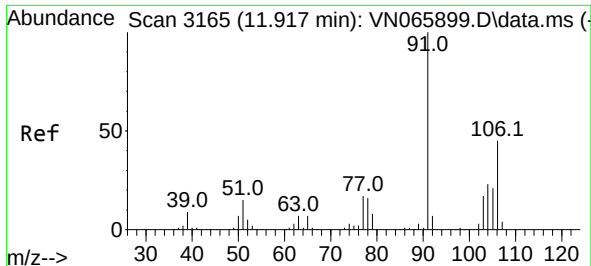
Tgt Ion: 91 Resp: 83372
Ion Ratio Lower Upper
91 100
106 49.0 25.5 38.3#



#68
m/p-Xylenes
Concen: 9.89 ug/l
RT: 11.585 min Scan# 3062
Delta R.T. -0.007 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion:106 Resp: 39841
Ion Ratio Lower Upper
106 100
91 209.3 161.4 242.0

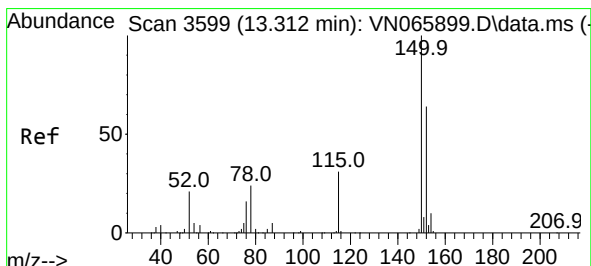
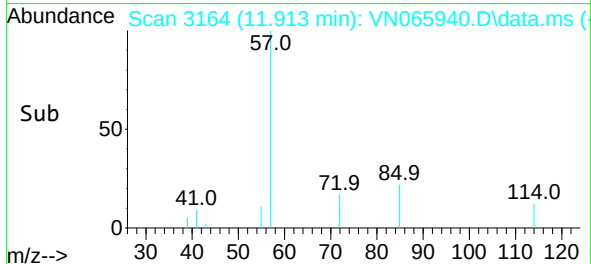
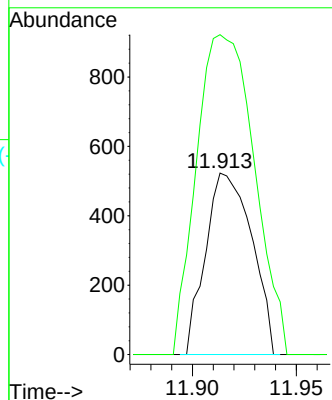
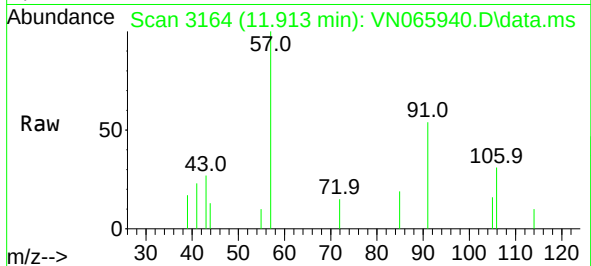




#69
o-Xylene
Concen: 0.21 ug/l
RT: 11.913 min Scan# 3164
Delta R.T. -0.004 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

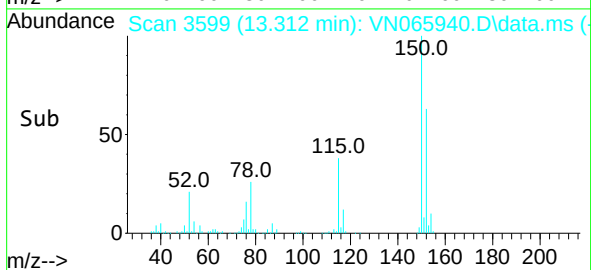
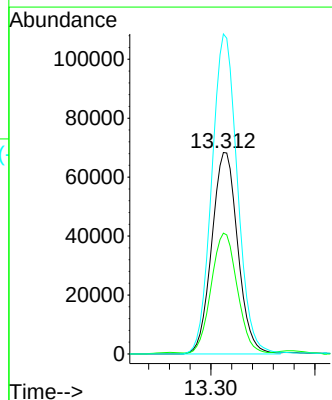
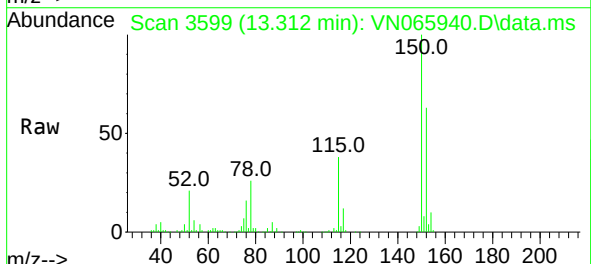
Instrument :
MSVOA_N
ClientSampled :

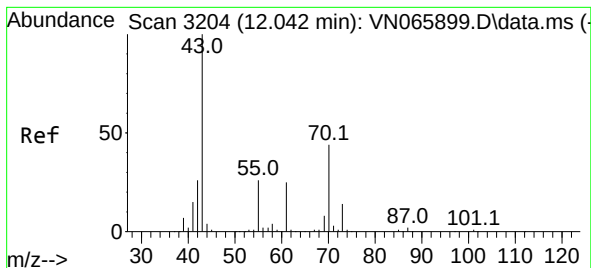
Tgt Ion:106 Resp: 809
Ion Ratio Lower Upper
106 100
91 220.6 106.8 320.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion:152 Resp: 118708
Ion Ratio Lower Upper
152 100
115 59.6 28.5 85.6
150 157.1 0.0 347.6

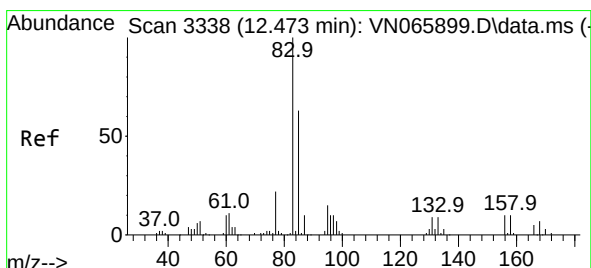
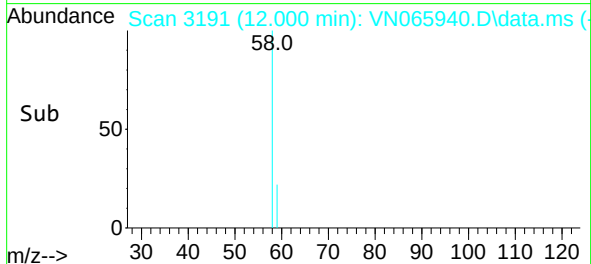
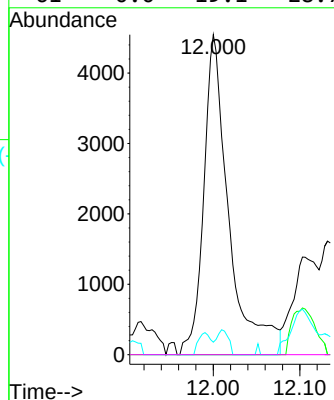
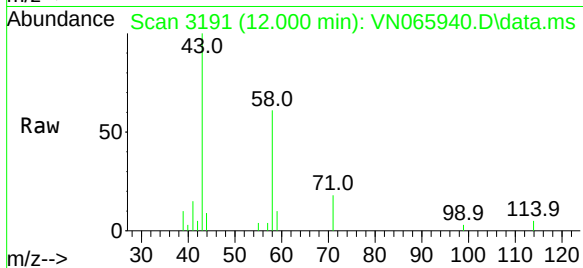




#74
N-amy1 acetate
Concen: 2.73 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.042 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

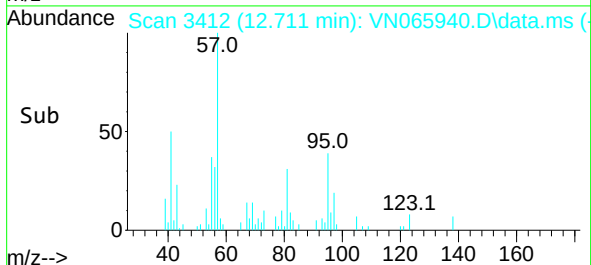
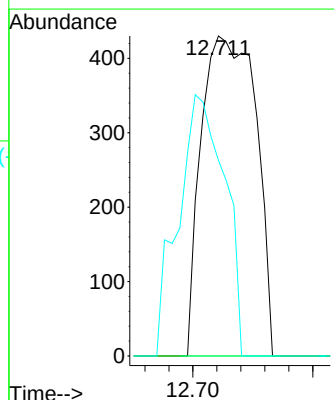
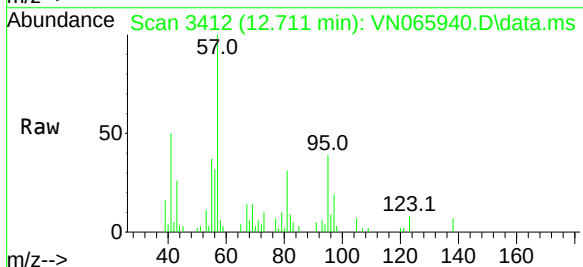
Instrument :
MSVOA_N
ClientSampleId :

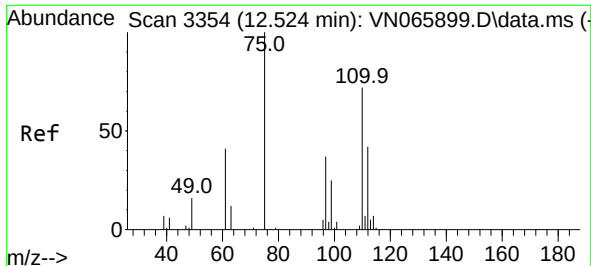
Tgt Ion: 43 Resp: 9165
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 3.5 20.7 31.1#
61 0.0 19.1 28.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.24 ug/l
RT: 12.711 min Scan# 3412
Delta R.T. 0.238 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 83 Resp: 678
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8#
85 69.5 32.0 96.0

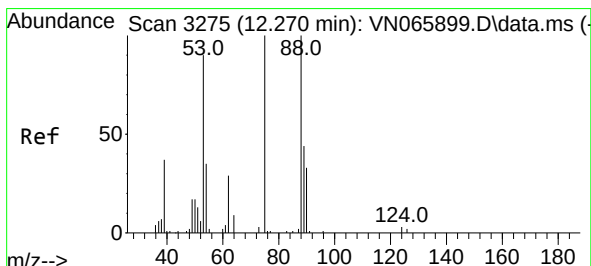
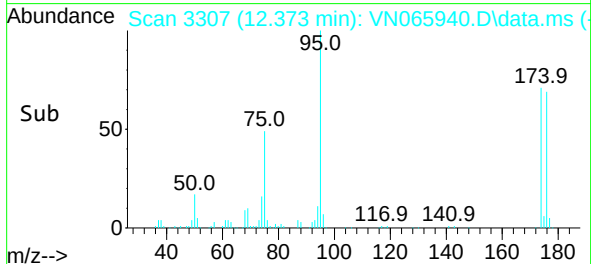
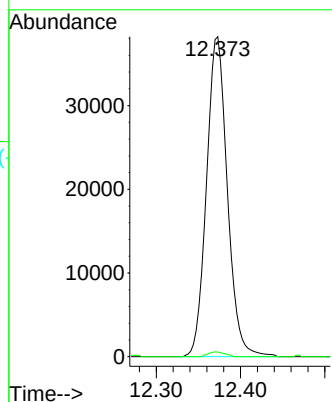
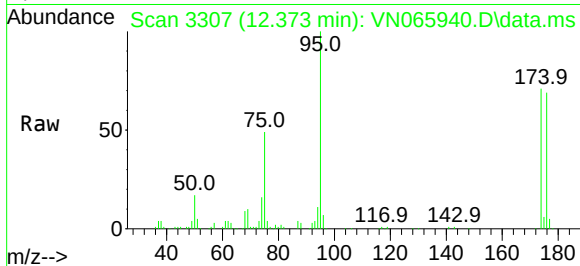




#76
1,2,3-Trichloropropane
Concen: 23.10 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

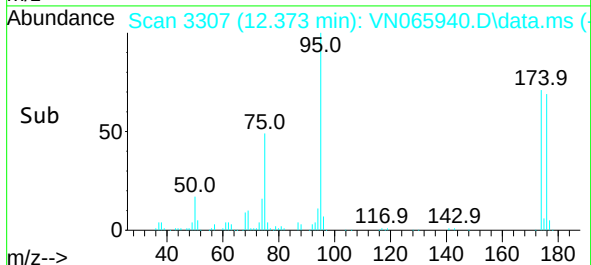
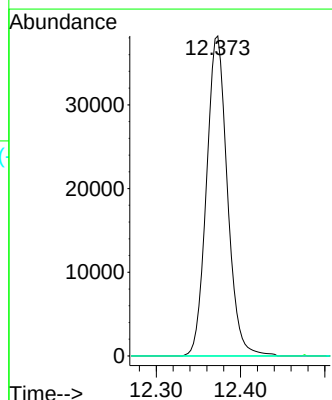
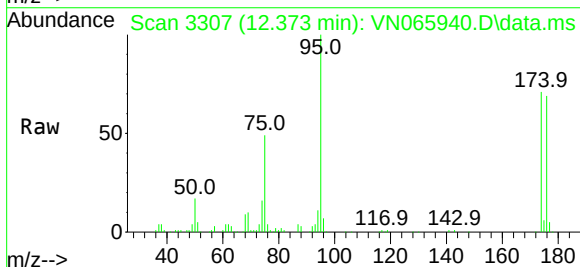
Instrument :
MSVOA_N
ClientSampled :

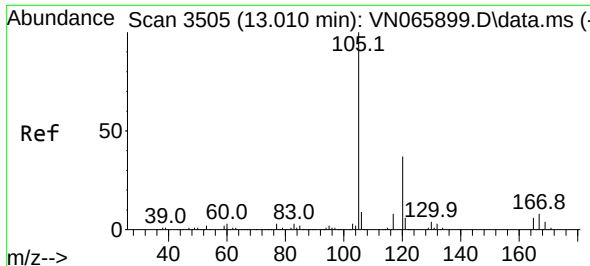
Tgt Ion: 75 Resp: 65863
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.61 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion: 75 Resp: 65863
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

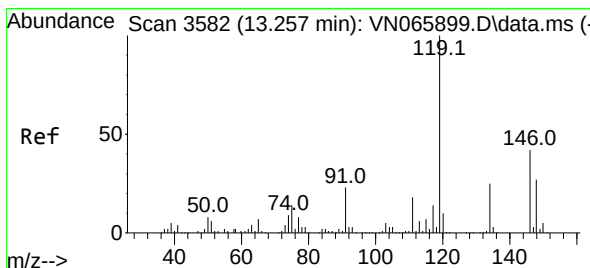
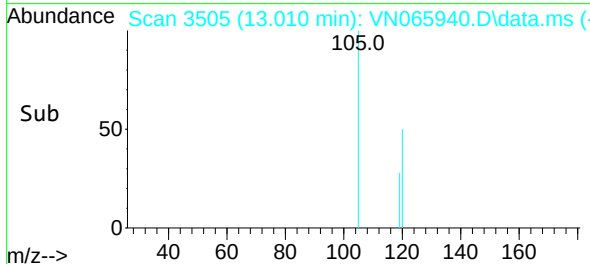
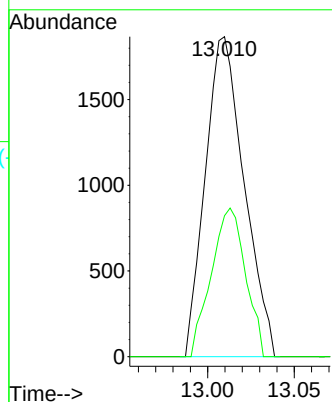
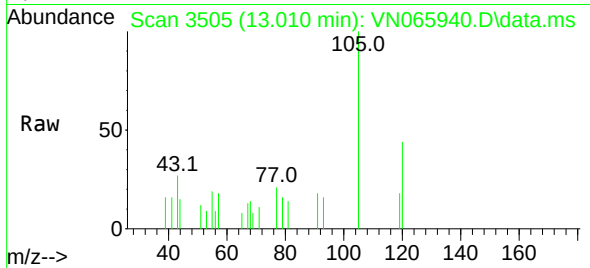




#84
1,2,4-Trimethylbenzene
Concen: 0.35 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

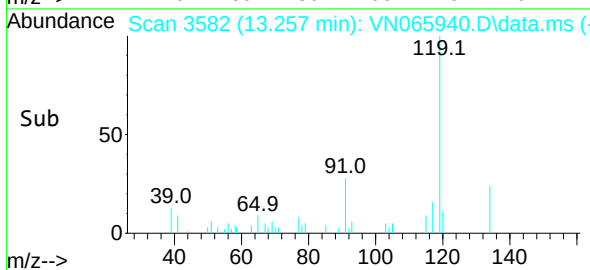
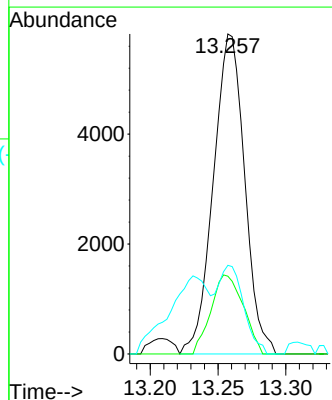
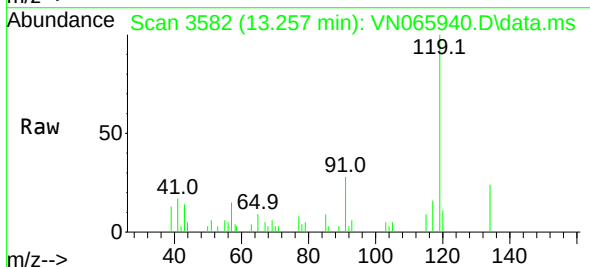
Instrument :
MSVOA_N
ClientSampled :

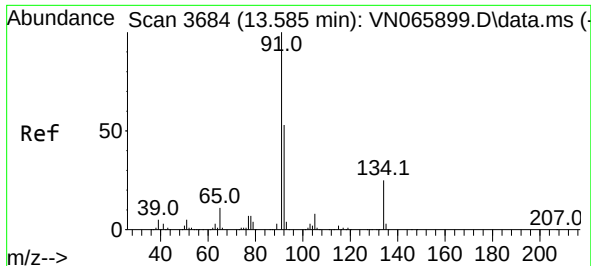
Tgt Ion:105 Resp: 2910
Ion Ratio Lower Upper
105 100
120 40.9 22.4 67.0



#86
p-Isopropyltoluene
Concen: 1.16 ug/l
RT: 13.257 min Scan# 3582
Delta R.T. 0.000 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Tgt Ion:119 Resp: 9336
Ion Ratio Lower Upper
119 100
134 25.6 13.3 39.8
91 21.4 11.8 35.3

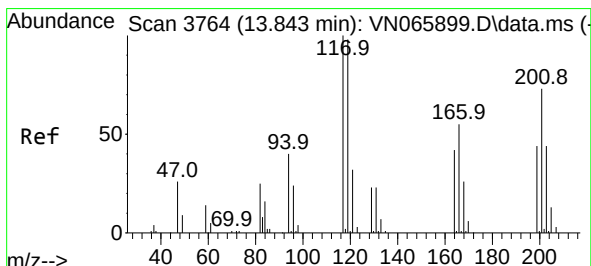
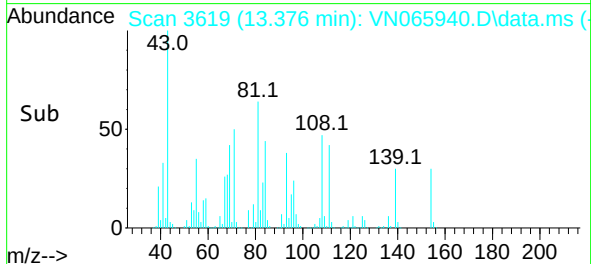
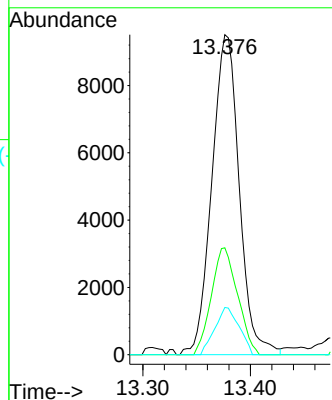
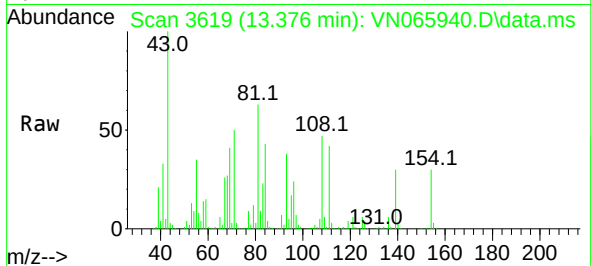




#89
n-Butylbenzene
Concen: 2.49 ug/l
RT: 13.376 min Scan# 3619
Delta R.T. -0.209 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

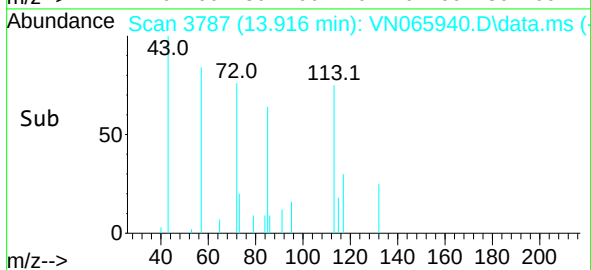
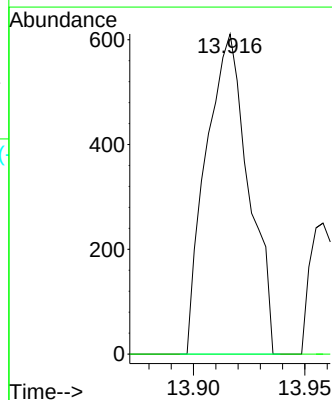
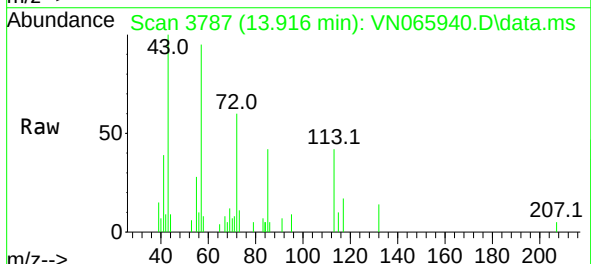
Instrument :
MSVOA_N
ClientSampleId :

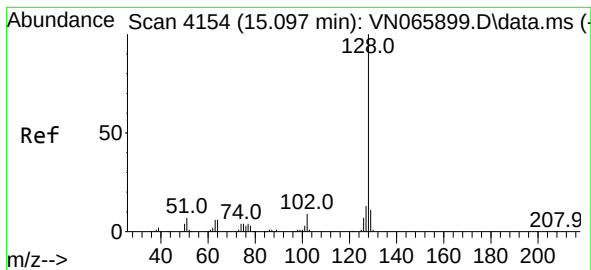
Tgt Ion: 91 Resp: 16837
Ion Ratio Lower Upper
91 100
92 31.9 26.1 78.3
134 13.0 13.0 38.9



#90
Hexachloroethane
Concen: 0.60 ug/l
RT: 13.916 min Scan# 3787
Delta R.T. 0.073 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

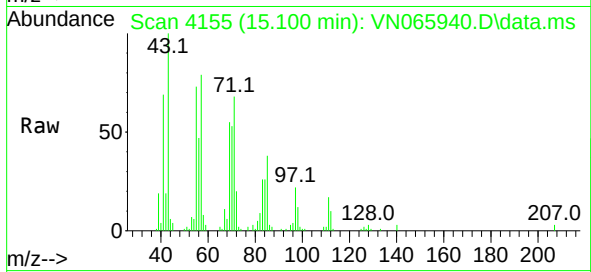
Tgt Ion: 117 Resp: 812
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#





#95
Naphthalene
Concen: 3.24 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN065940.D
Acq: 18 Feb 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1345
Ion Ratio Lower Upper
128 100
127 40.4 10.2 15.2#
129 10.7 8.6 13.0

