

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054391.D
 Acq On : 18 Mar 2019 13:59
 Operator : JC/SP
 Sample : K1905-01
 Misc : 6.48g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:11:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1850908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2605660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2189240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	861788	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	852280	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	
35) Dibromofluoromethane	7.59	113	758683	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	
50) Toluene-d8	10.09	98	3044538	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	904525	41.65	ug/l	0.00
Spiked Amount			Recovery	=	83.30%	

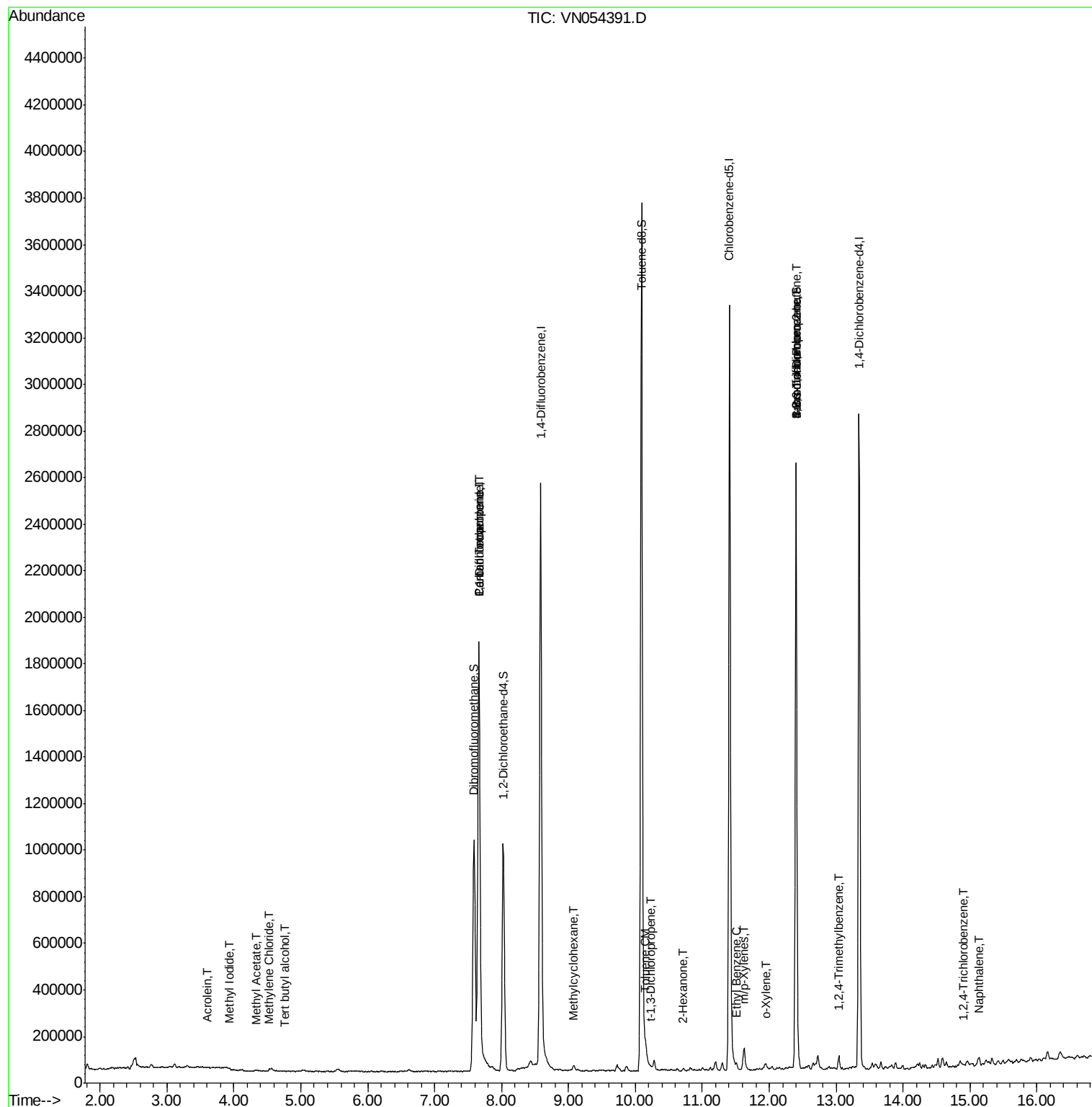
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	324	1.508	ug/l #	45
11) Tert butyl alcohol	4.76	59	293	0.217	ug/l #	70
13) Acrolein	3.60	56	265	0.208	ug/l #	14
18) Methyl Acetate	4.33	43	10041	0.882	ug/l #	69
20) Methylene Chloride	4.54	84	5510	0.298	ug/l	98
31) Cyclohexane	7.66	56	29132	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	108382	4.517	ug/l #	48
38) Carbon Tetrachloride	7.66	117	149482	5.940	ug/l #	16
39) Methylcyclohexane	9.08	83	10994	0.372	ug/l	91
52) Toluene	10.15	92	16228	0.373	ug/l	100
53) t-1,3-Dichloropropene	10.24	75	1099	2.026	ug/l #	42
59) 2-Hexanone	10.72	43	5326	0.625	ug/l #	25
67) Ethyl Benzene	11.51	91	17085	0.214	ug/l	94
68) m/p-Xylenes	11.62	106	23797	0.764	ug/l	98
69) o-Xylene	11.95	106	6732	0.222	ug/l	93
71) Bromoform	12.40	173	5529	2.746	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	427983	33.771	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	427983	115.445	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	38278	0.680	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	1527	2.596	ug/l #	84
95) Naphthalene	15.13	128	27211	4.140	ug/l	96

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054391.D

Acq: 18 Mar 2019 13:59

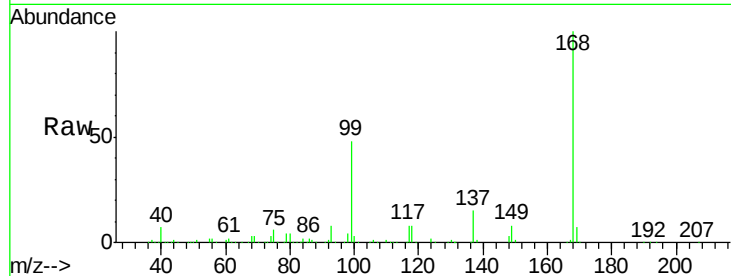
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1850908

Ion Ratio Lower Upper

168 100

99 47.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

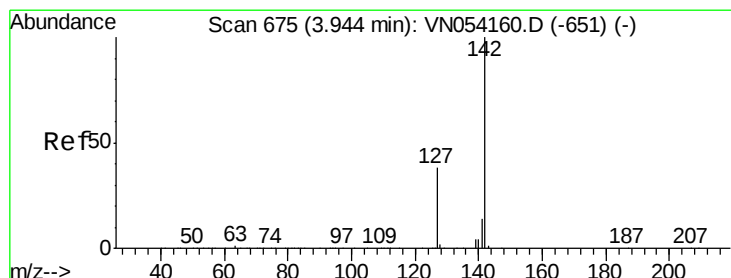
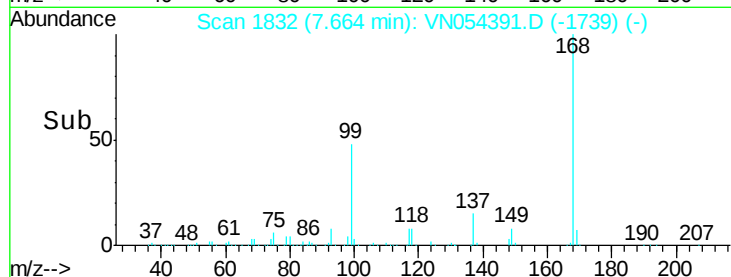
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.508 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054391.D

Acq: 18 Mar 2019 13:59

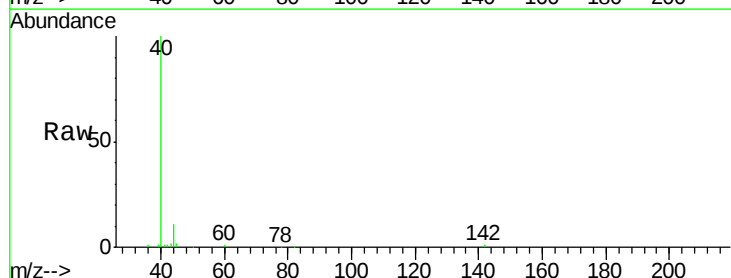
Tgt Ion:142 Resp: 324

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

400

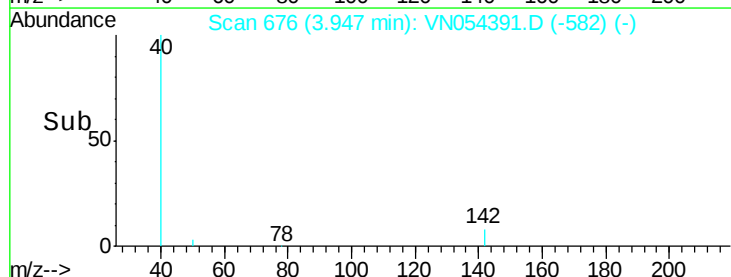
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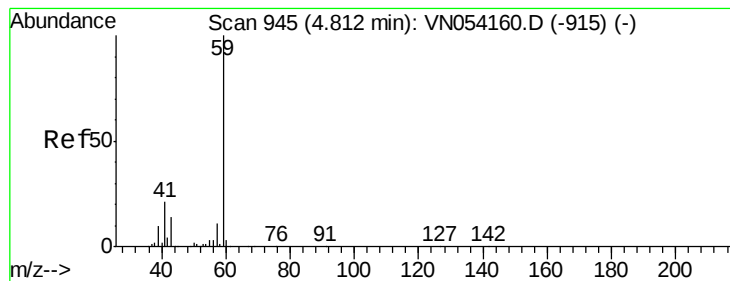
200

100

0

Time-->



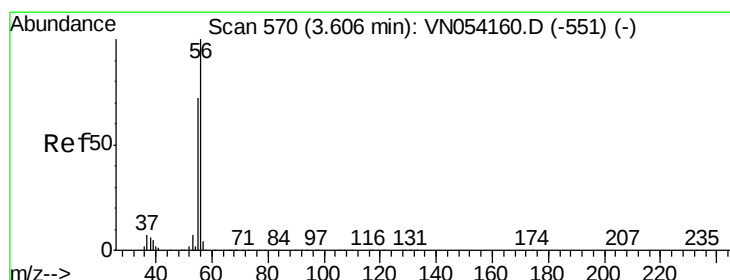
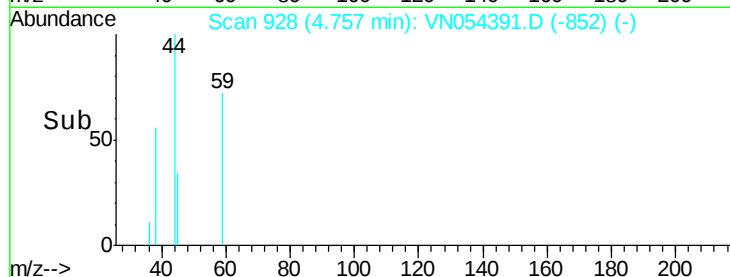
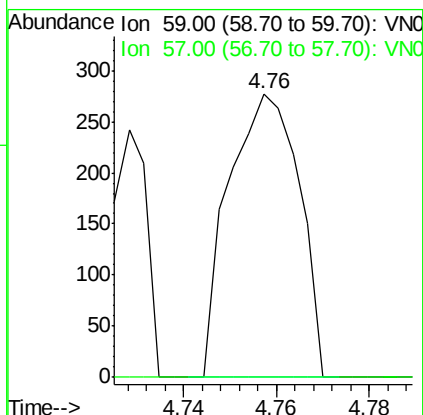
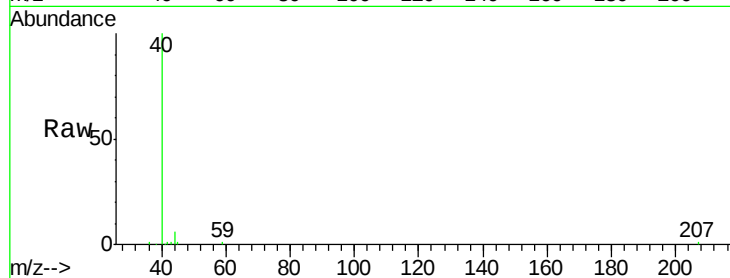


#11

Tert butyl alcohol
 Concen: 0.217 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.05 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

Instrument :
 MSVOA_N
 ClientSampled :

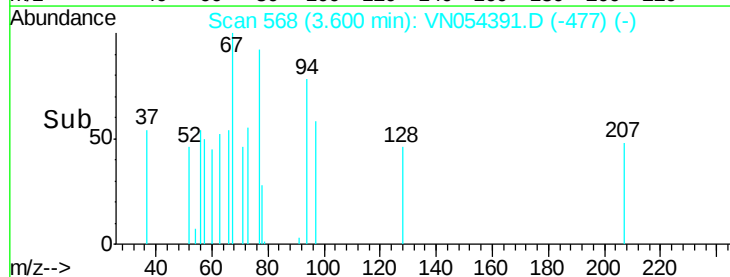
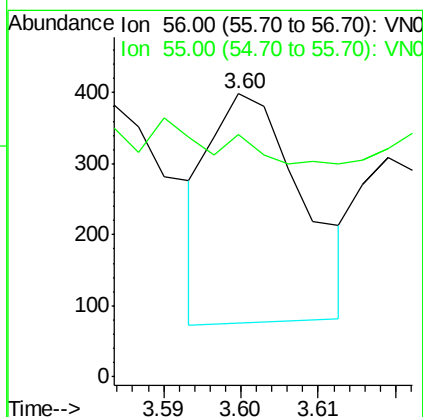
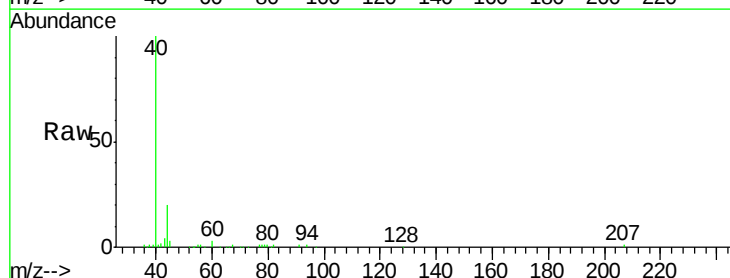
Tot Ion: 59 Resp: 293
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

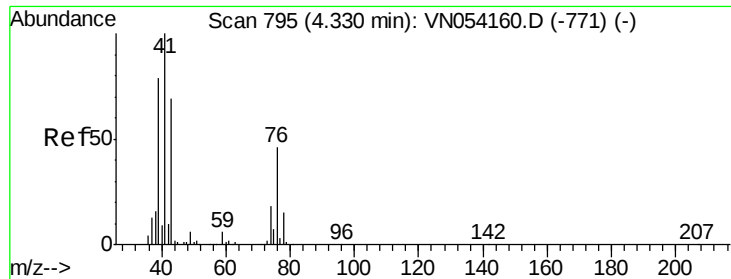


#13

Acrolein
 Concen: 0.208 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

Tgt Ion: 56 Resp: 265
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#

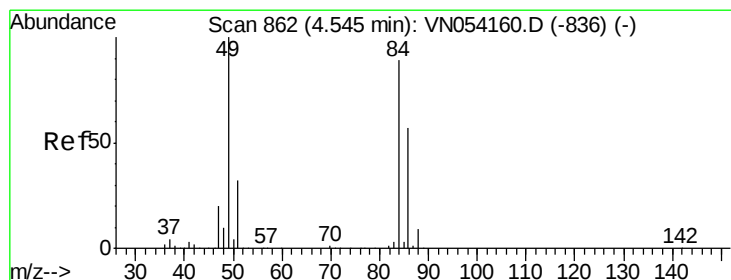
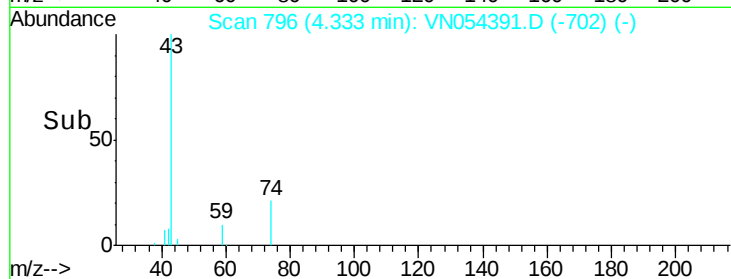
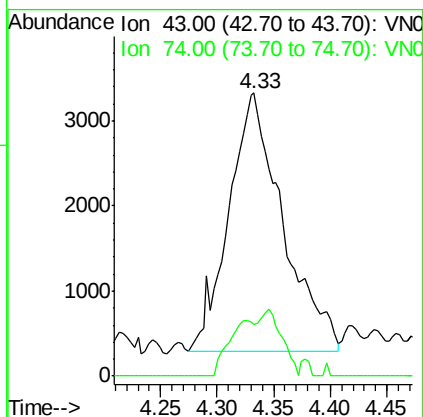
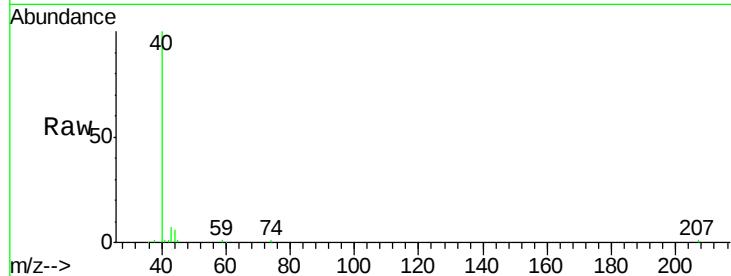




#18
Methyl Acetate
Concen: 0.882 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

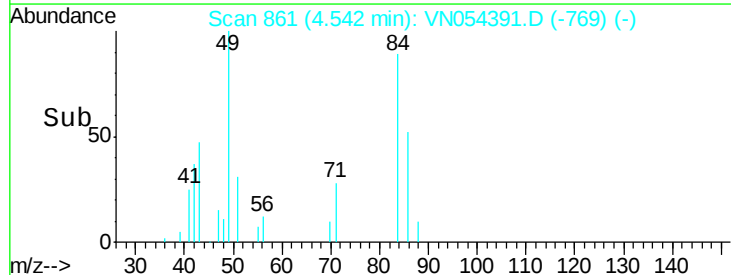
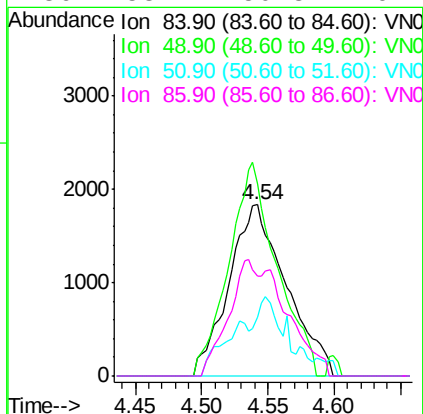
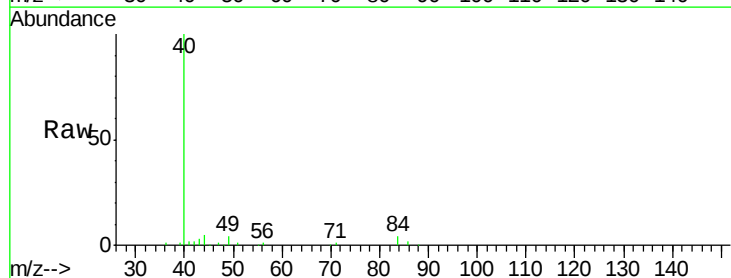
Instrument :
MSVOA_N
ClientSampled :

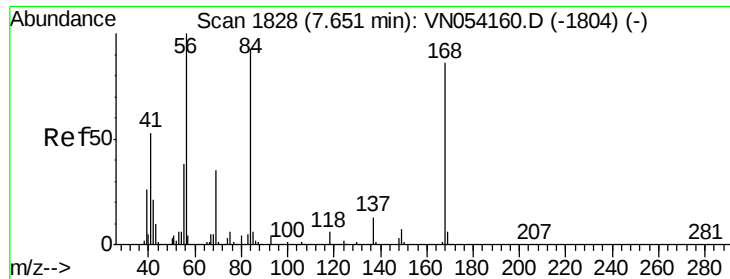
Tot Ion: 43 Resp: 10041
Ion Ratio Lower Upper
43 100
74 10.3 20.8 31.2#



#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Tgt Ion: 84 Resp: 5510
Ion Ratio Lower Upper
84 100
49 112.4 89.7 134.5
51 34.4 28.2 42.4
86 58.2 50.8 76.2

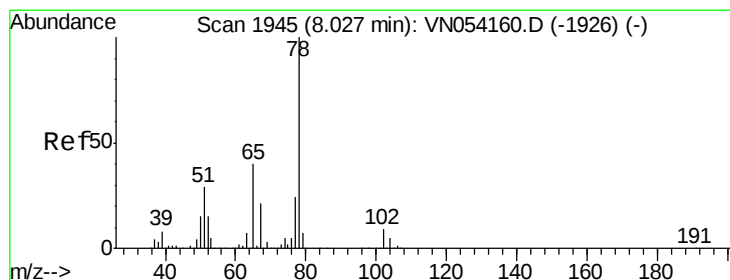
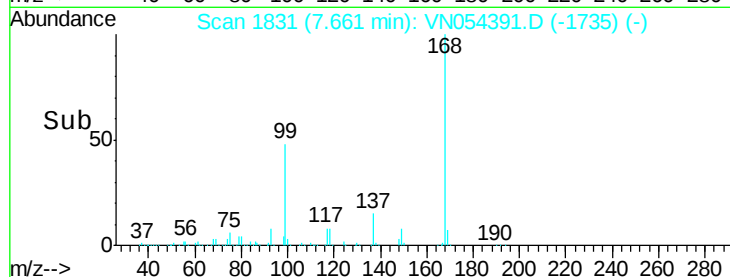
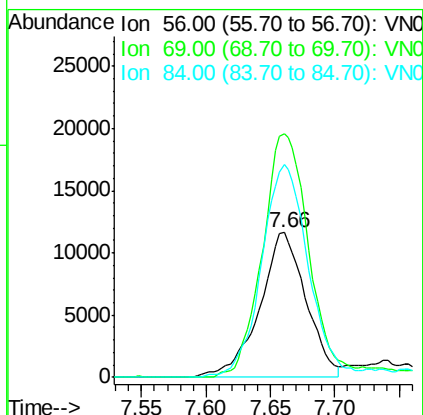
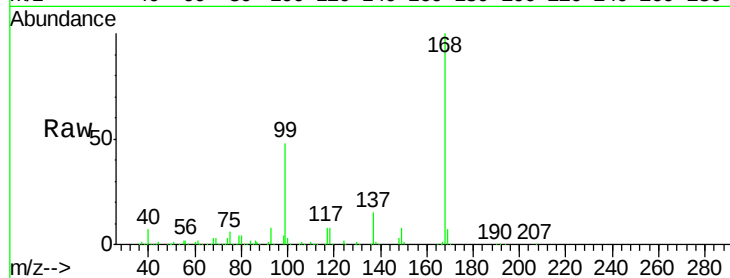




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

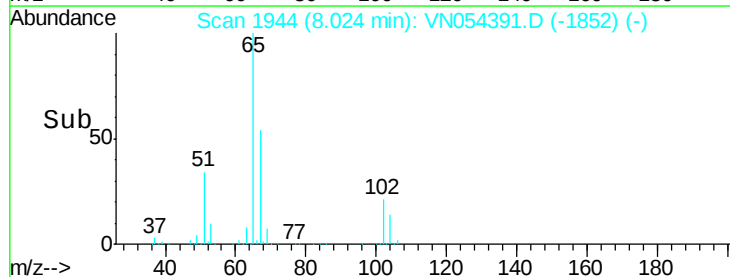
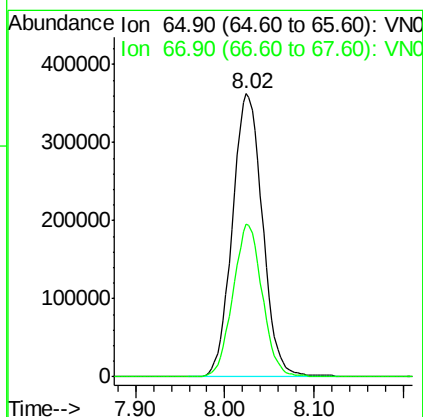
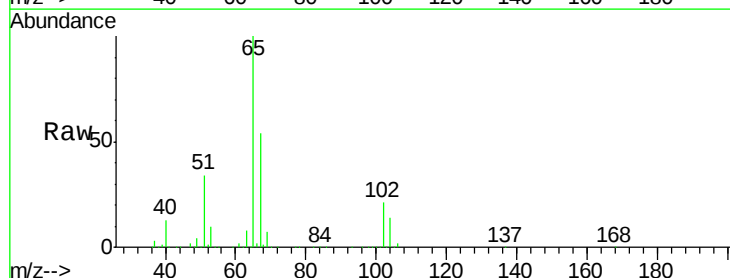
Instrument :
MSVOA_N
ClientSampleId :

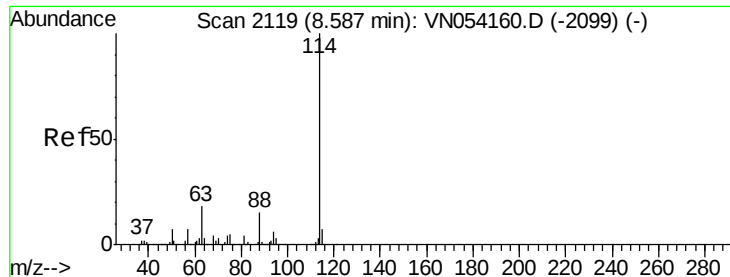
Tot Ion: 56 Resp: 29132
Ion Ratio Lower Upper
56 100
69 168.6 27.8 41.6#
84 147.3 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 43.358 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Tgt Ion: 65 Resp: 852280
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

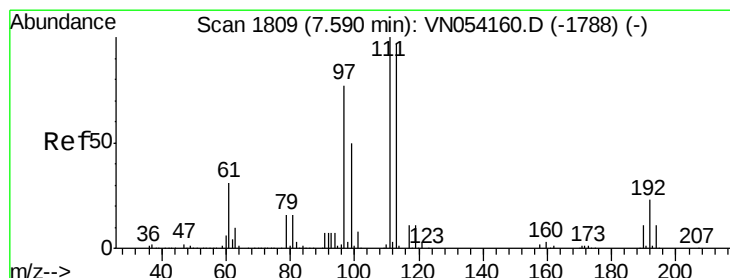
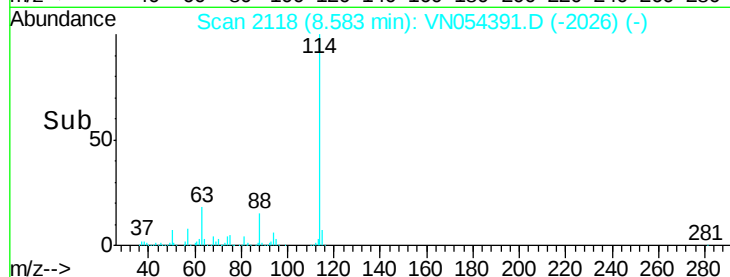
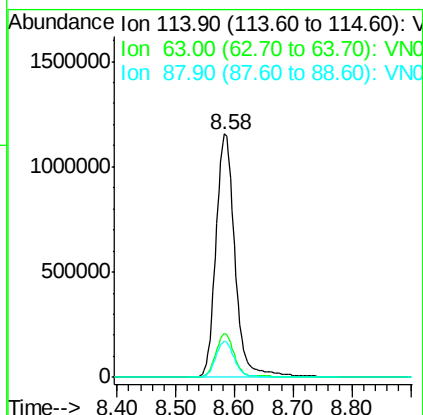
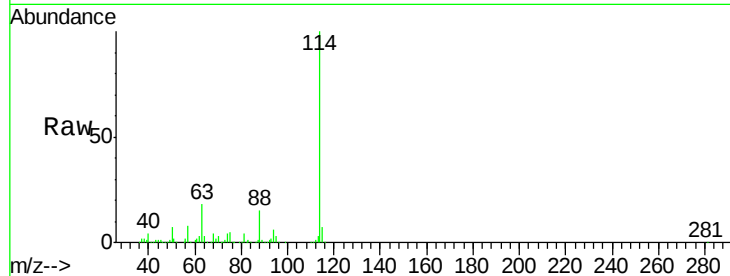




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

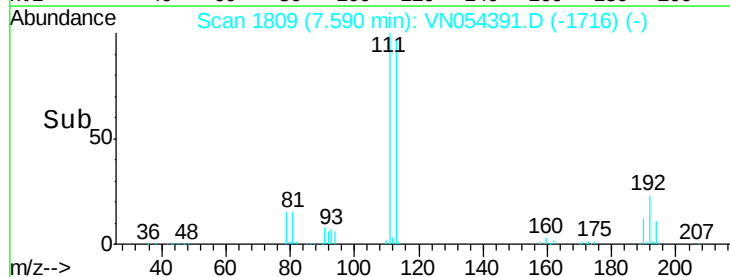
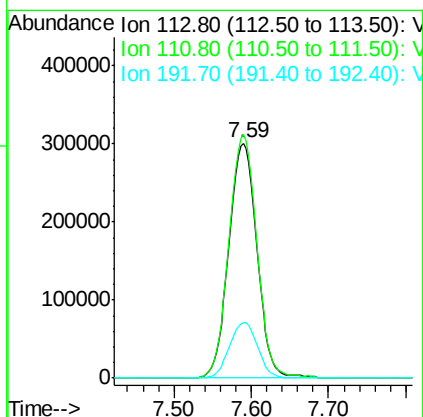
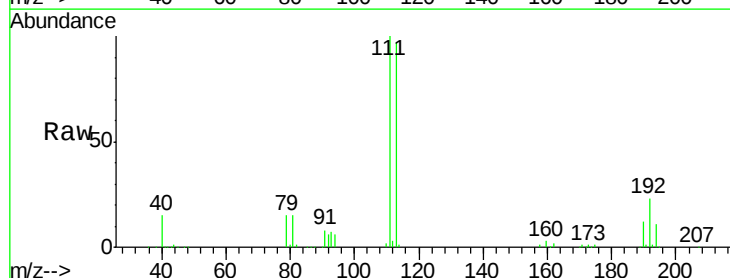
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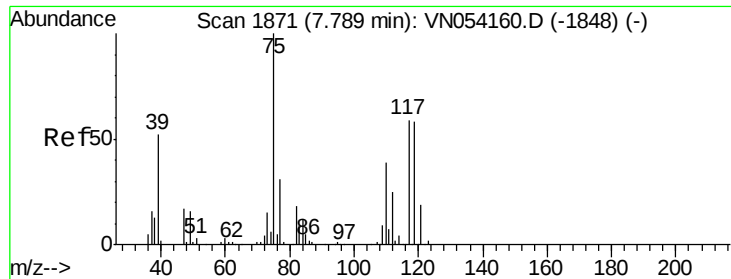
Tot Ion:114 Resp: 2605660
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.8 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 45.145 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

Tgt Ion:113 Resp: 758683
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 23.8 19.2 28.8

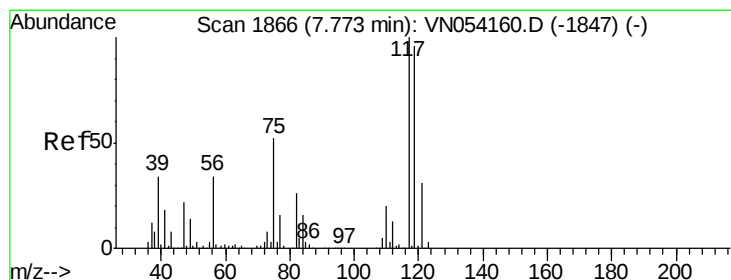
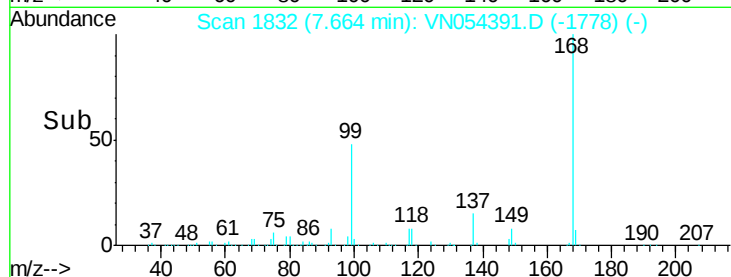
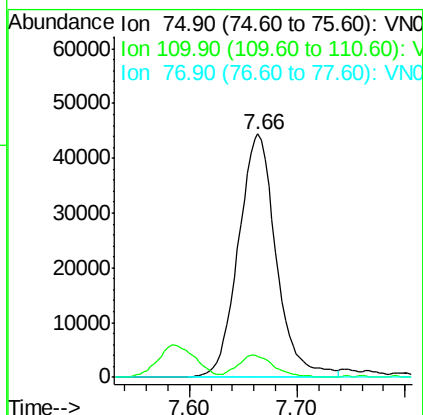
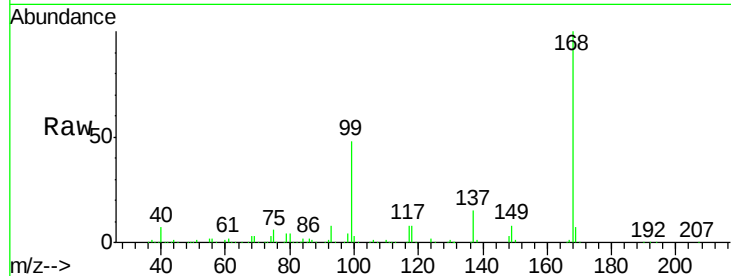




#36
 1,1-Dichloropropene
 Concen: 4.517 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

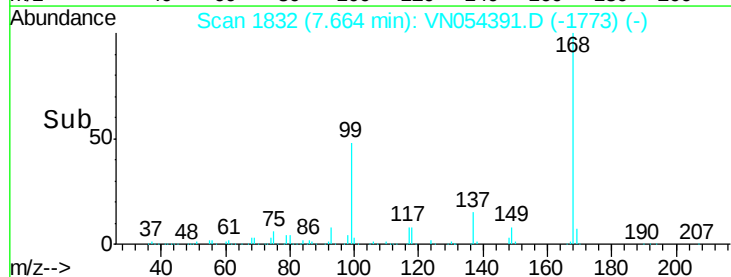
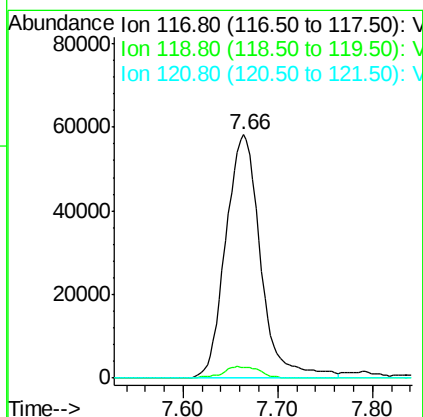
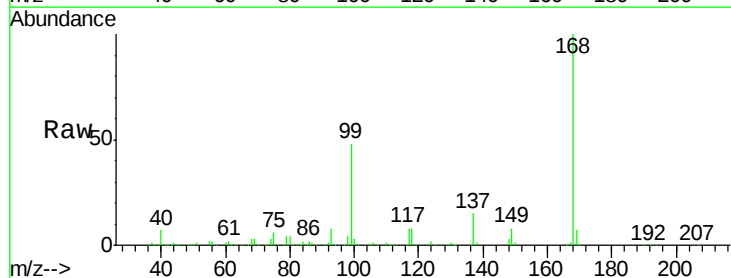
Instrument :
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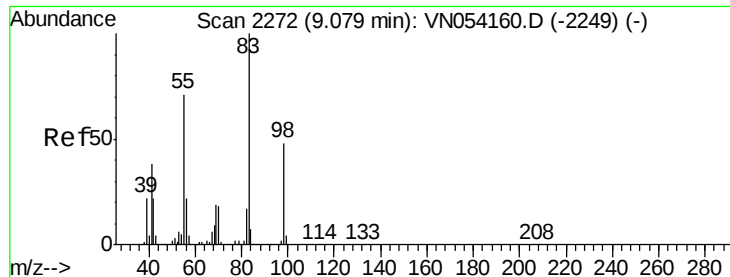
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.940 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.3	114.5#
121	0.0	24.6	36.8#

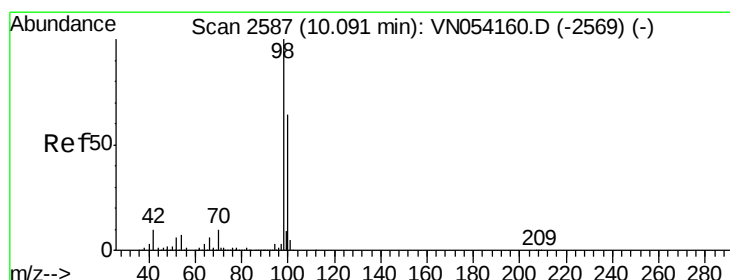
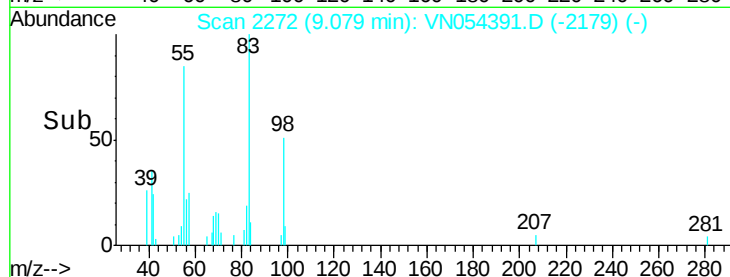
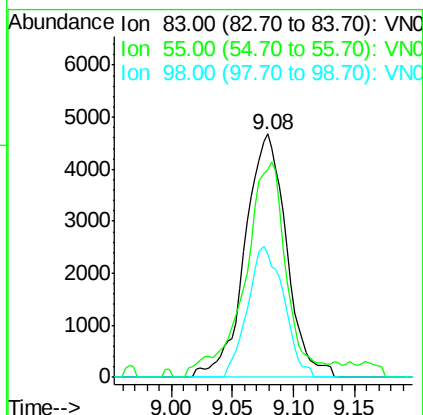
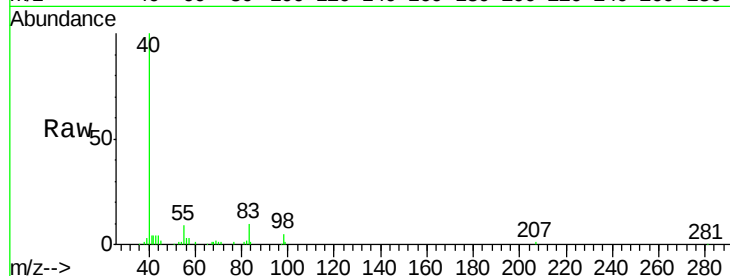




#39
Methvlcvclohexane
Concen: 0.372 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

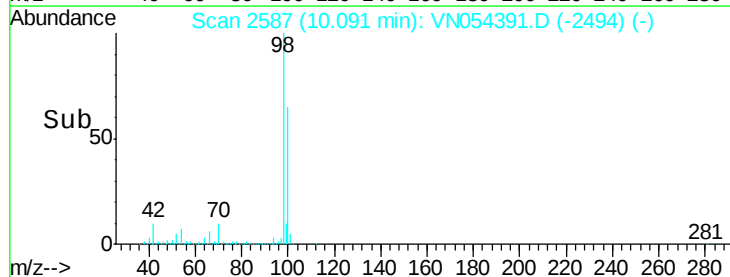
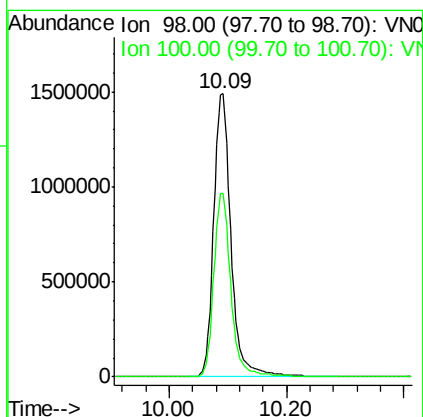
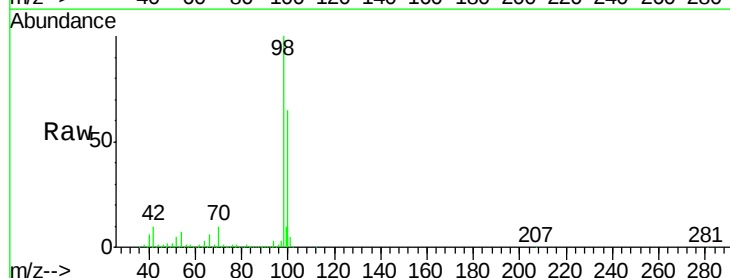
Instrument :
MSVOA_N
ClientSampled :

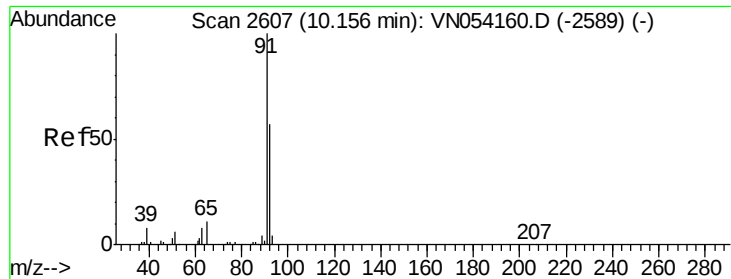
Tot Ion: 83 Resp: 10994
Ion Ratio Lower Upper
83 100
55 81.3 56.6 84.8
98 50.8 38.4 57.6



#50
Toluene-d8
Concen: 49.054 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Tgt Ion: 98 Resp: 3044538
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8





#52

Toluene

Concen: 0.373 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054391.D

Acq: 18 Mar 2019 13:59

Instrument :

MSVOA_N

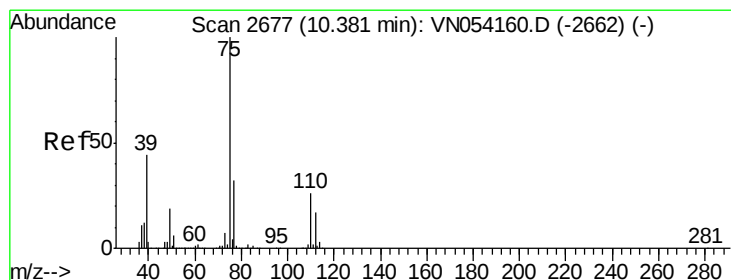
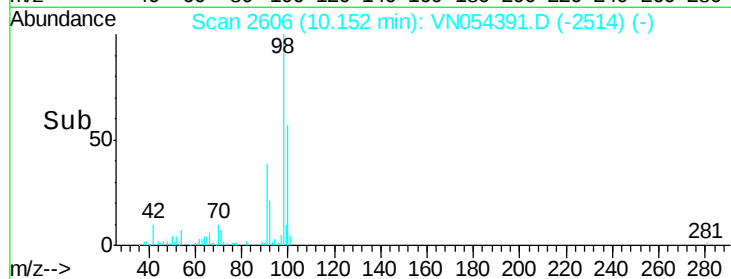
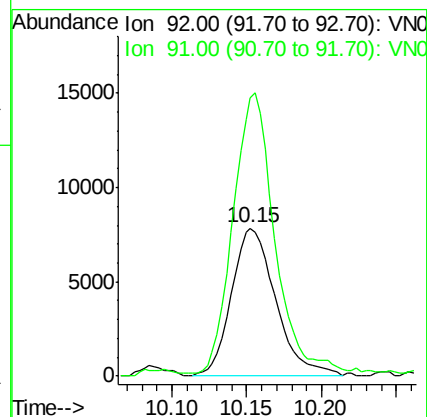
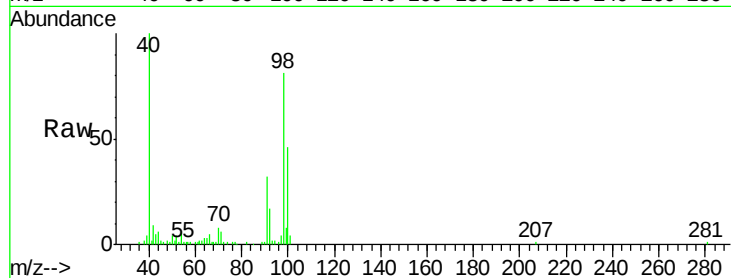
ClientSampled :

Tot Ion: 92 Resp: 16228

Ion Ratio Lower Upper

92 100

91 176.2 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.026 ug/l

RT: 10.24 min Scan# 2634

Delta R.T. -0.14 min

Lab File: VN054391.D

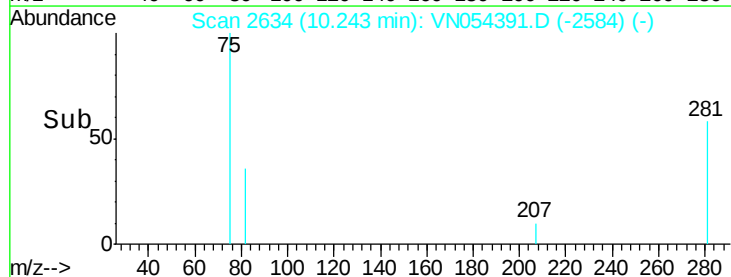
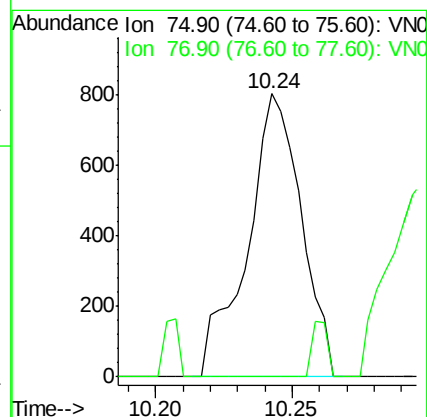
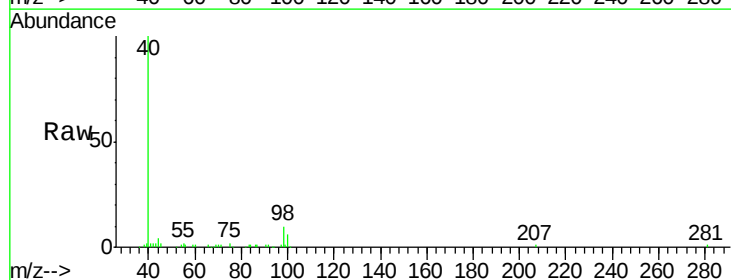
Acq: 18 Mar 2019 13:59

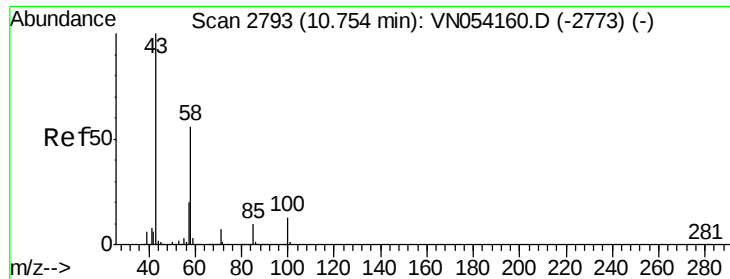
Tgt Ion: 75 Resp: 1099

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

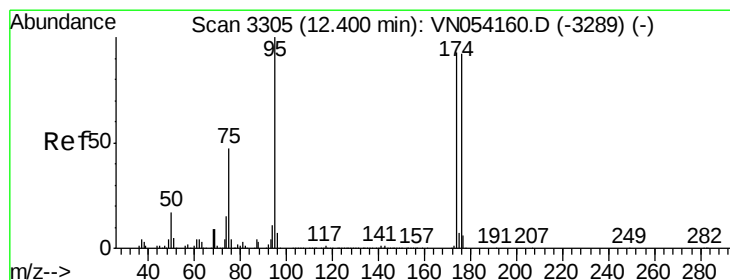
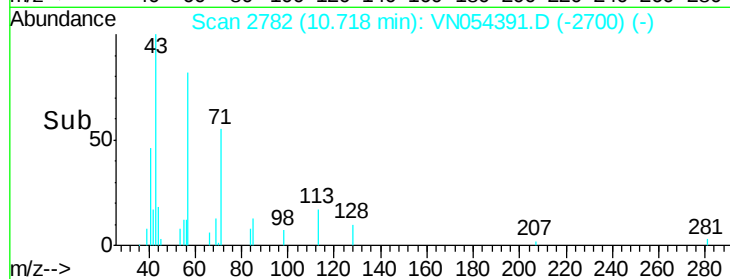
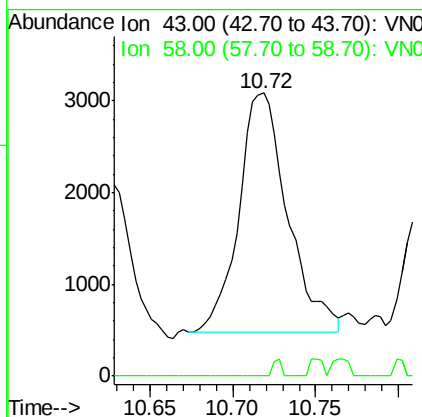
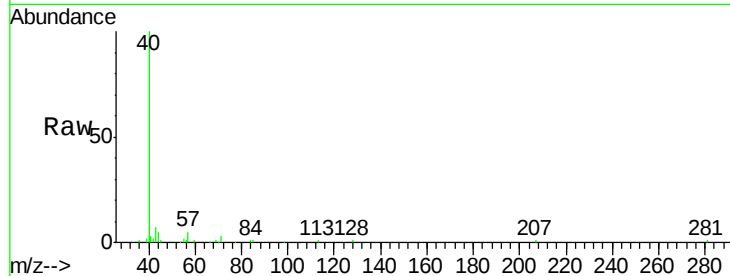




#59
2-Hexanone
Concen: 0.625 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.04 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

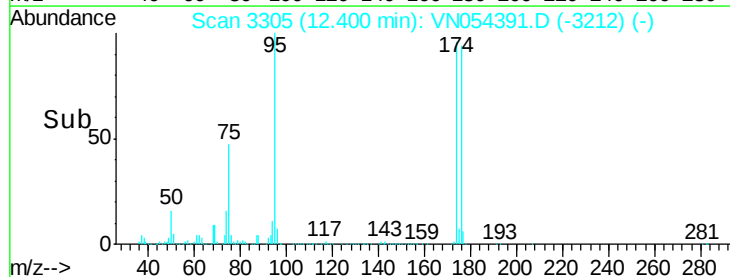
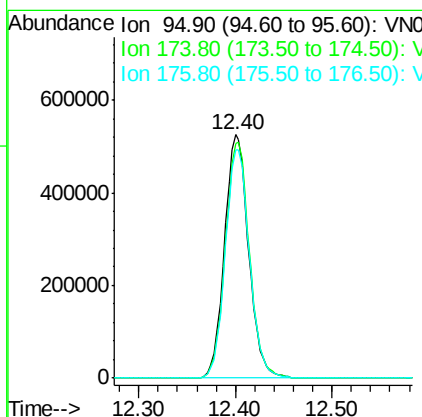
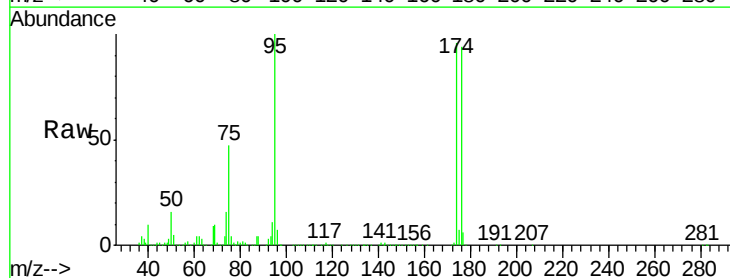
Instrument :
MSVOA_N
ClientSampleId :

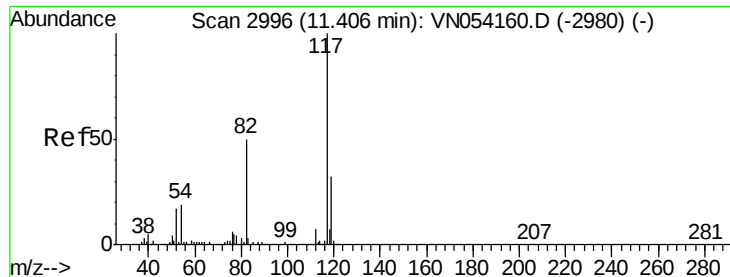
Tot Ion: 43 Resp: 5326
Ion Ratio Lower Upper
43 100
58 1.2 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 41.651 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Tgt Ion: 95 Resp: 904525
Ion Ratio Lower Upper
95 100
174 97.7 0.0 191.0
176 94.6 0.0 187.4

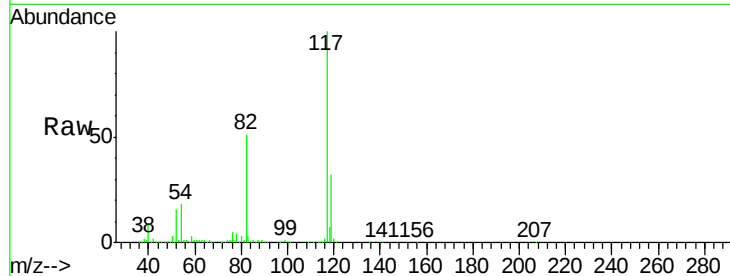




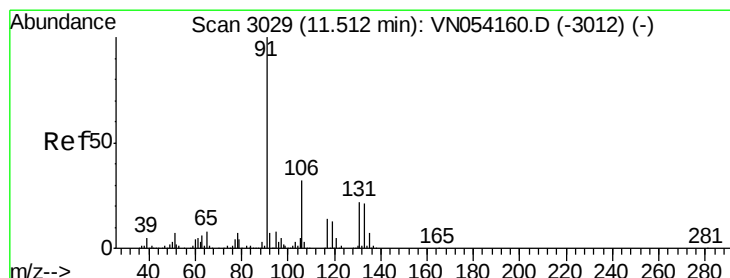
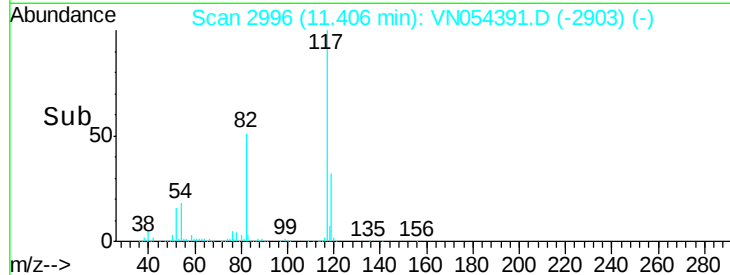
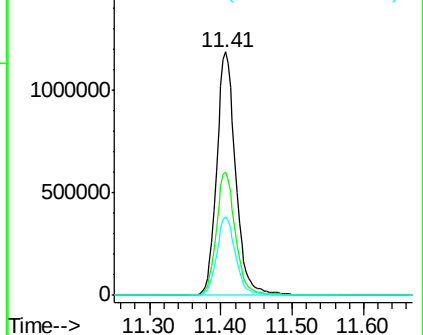
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 2189240
Ion Ratio Lower Upper
117 100
82 50.5 40.0 60.0
119 32.3 25.8 38.6

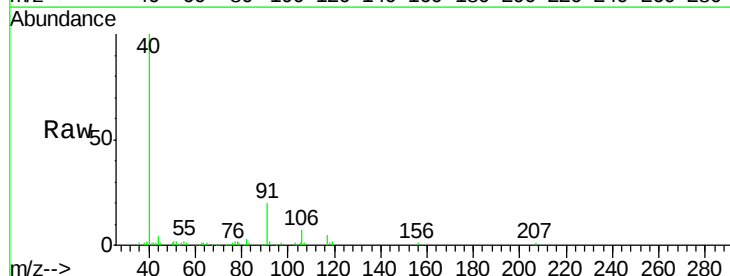


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

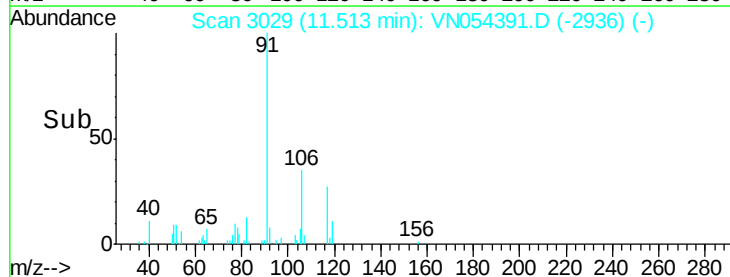
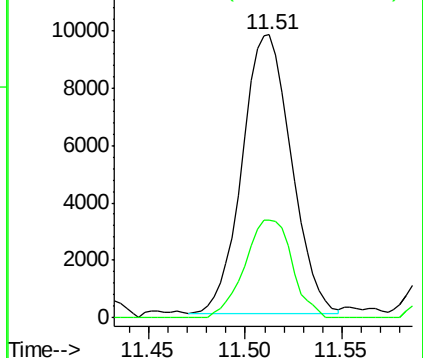


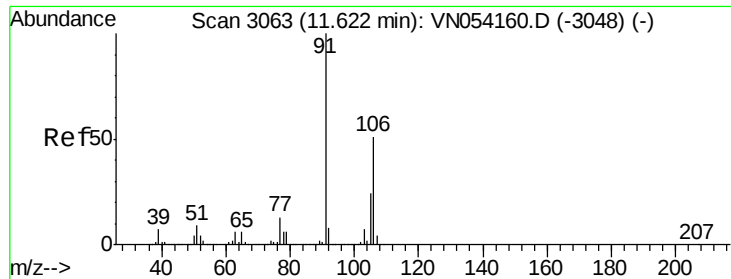
#67
Ethyl Benzene
Concen: 0.214 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Tgt Ion: 91 Resp: 17085
Ion Ratio Lower Upper
91 100
106 35.4 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

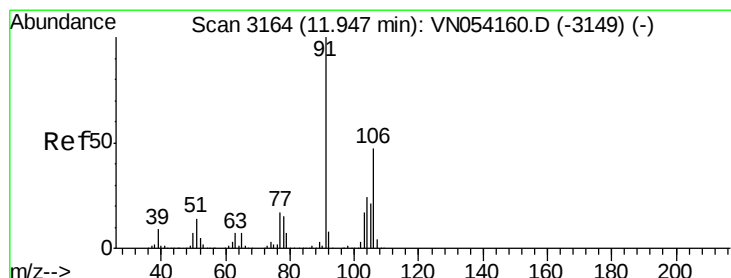
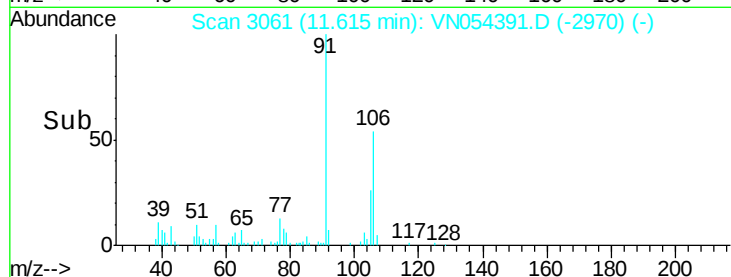
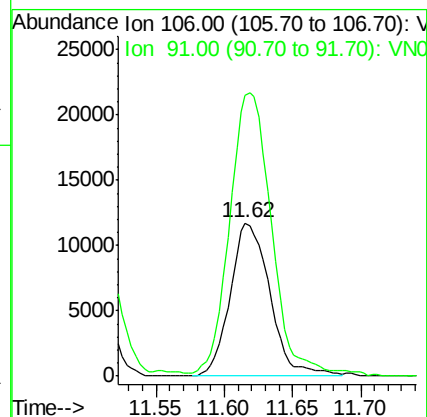
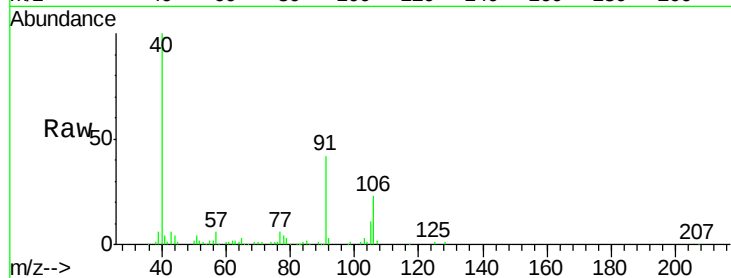




#68
m/p-Xylenes
Concen: 0.764 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

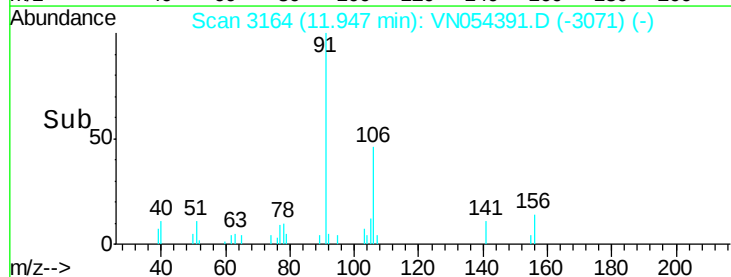
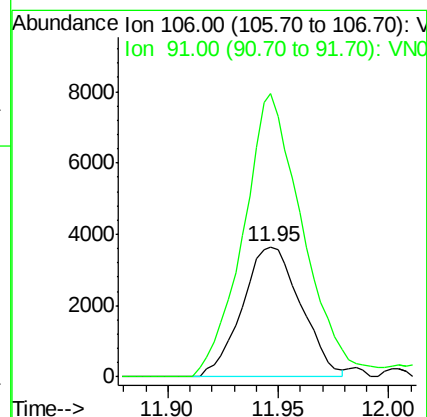
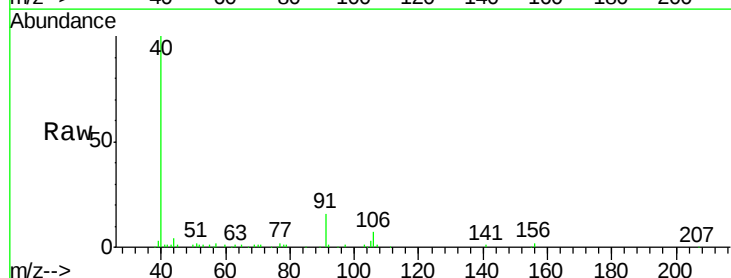
Instrument :
MSVOA_N
ClientSampleId :

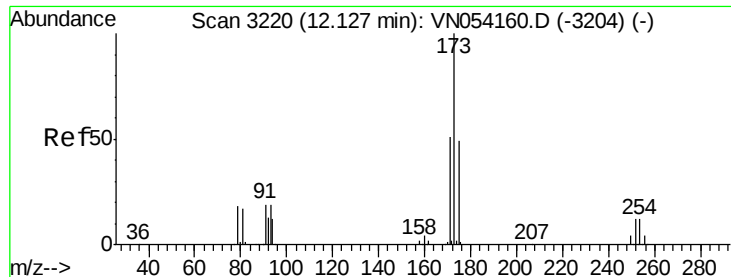
Tot Ion:106 Resp: 23797
Ion Ratio Lower Upper
106 100
91 196.1 159.4 239.2



#69
o-Xylene
Concen: 0.222 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Tgt Ion:106 Resp: 6732
Ion Ratio Lower Upper
106 100
91 222.3 105.7 317.1





#71

Bromoform

Concen: 2.746 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054391.D

Acq: 18 Mar 2019 13:59

Instrument :

MSVOA_N

ClientSampled :

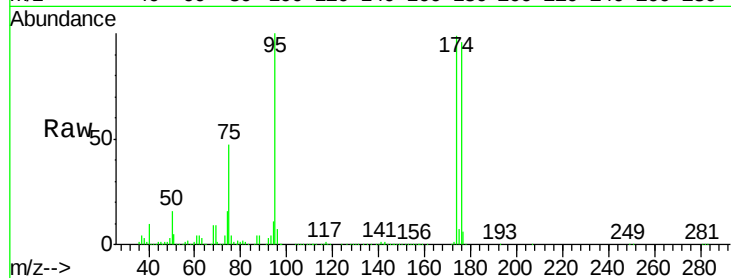
Tot Ion:173 Resp: 5529

Ion Ratio Lower Upper

173 100

175 990.8 24.4 73.2#

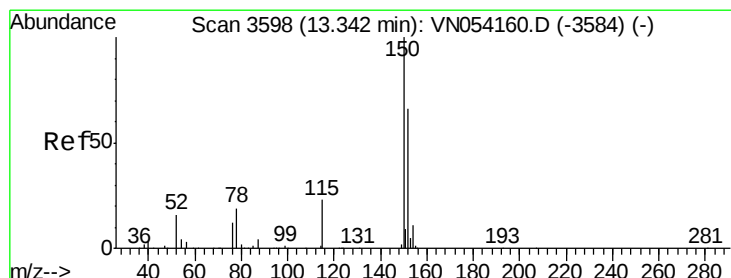
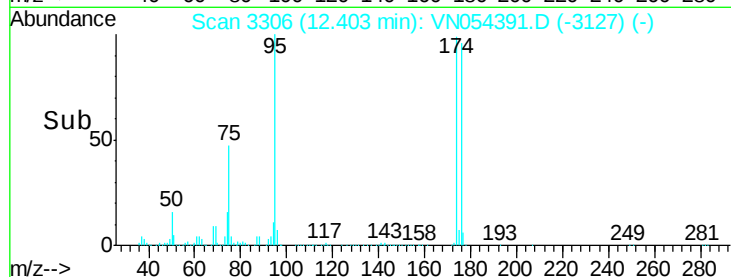
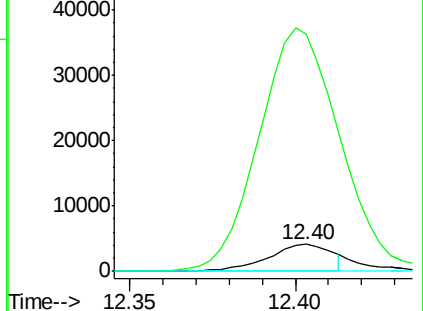
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054391.D

Acq: 18 Mar 2019 13:59

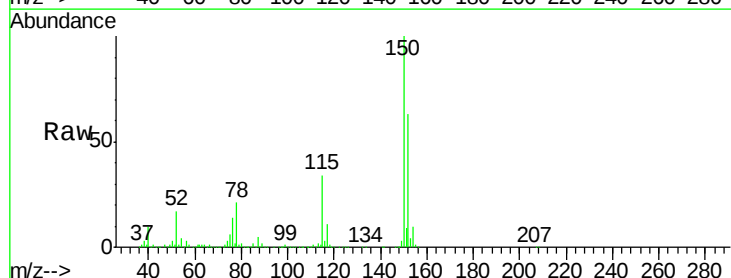
Tgt Ion:152 Resp: 861788

Ion Ratio Lower Upper

152 100

115 54.5 27.2 81.6

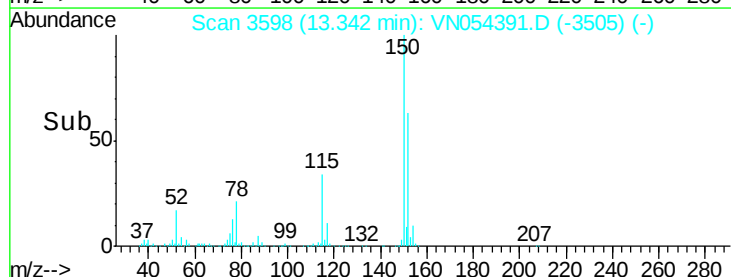
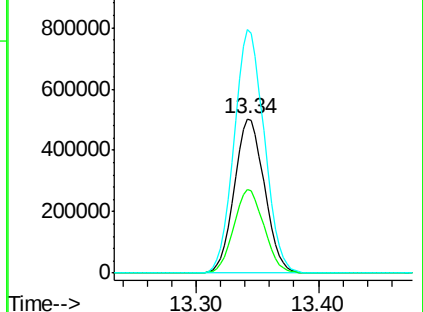
150 157.5 0.0 349.2

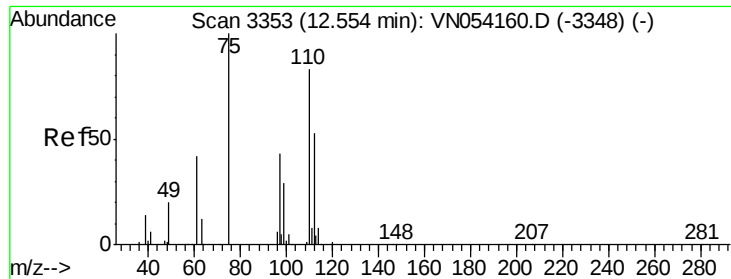


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

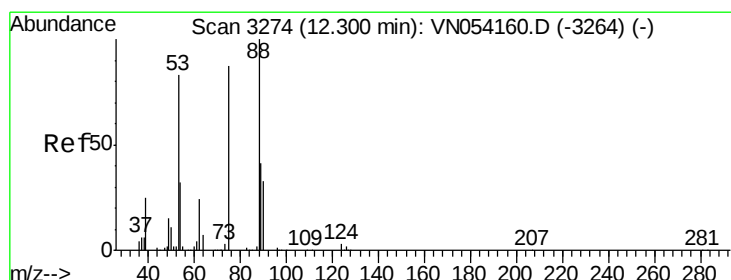
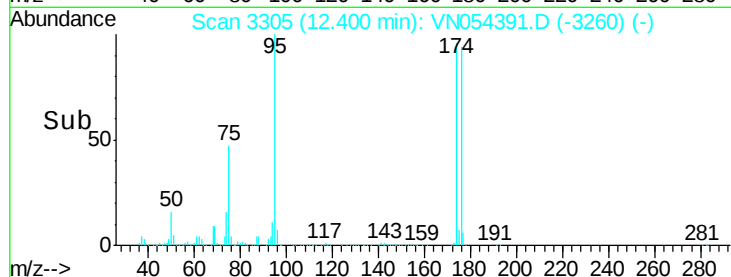
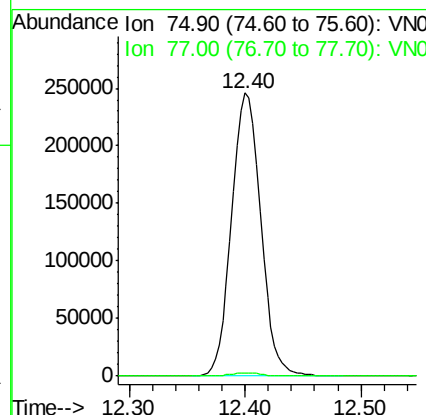
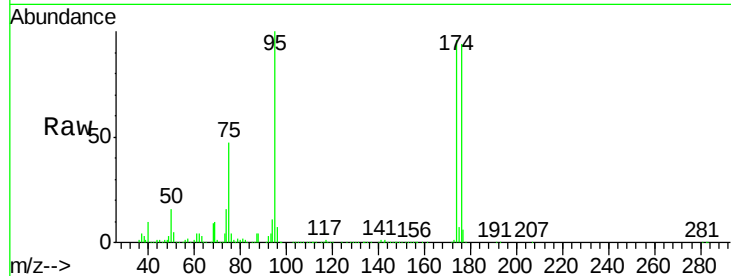




#76
 1,2,3-Trichloropropane
 Concen: 33.771 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

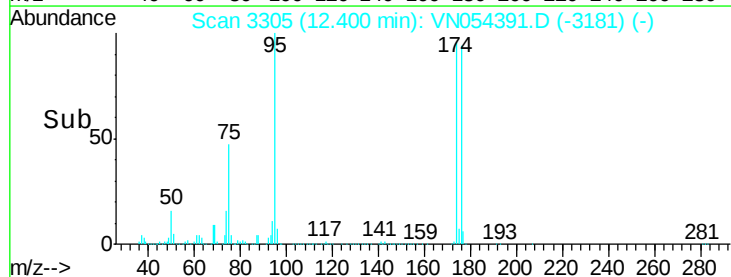
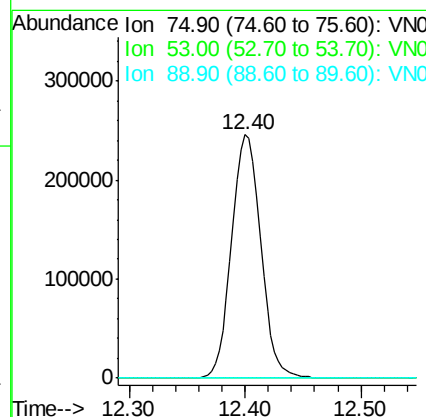
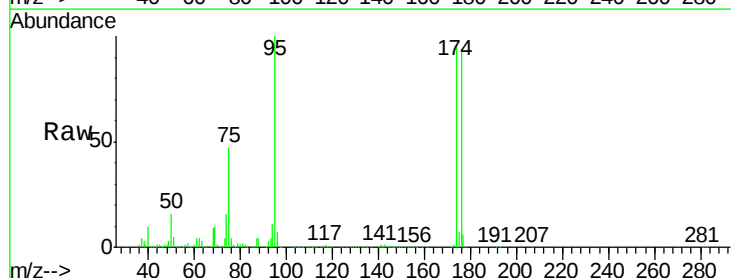
Instrument :
 MSVOA_N
 ClientSampled :

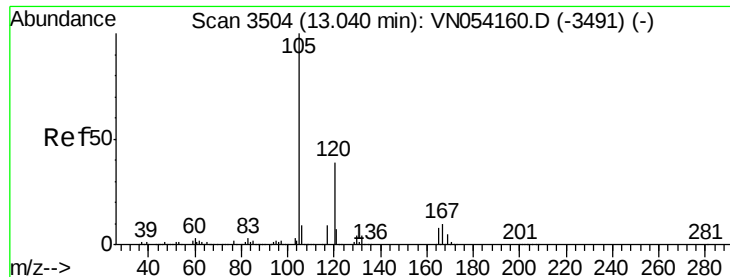
Tot Ion: 75 Resp: 427983
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.445 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054391.D
 Acq: 18 Mar 2019 13:59

Tgt Ion: 75 Resp: 427983
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.2 114.2#
 89 0.0 39.2 58.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.680 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054391.D

Acq: 18 Mar 2019 13:59

Instrument :

MSVOA_N

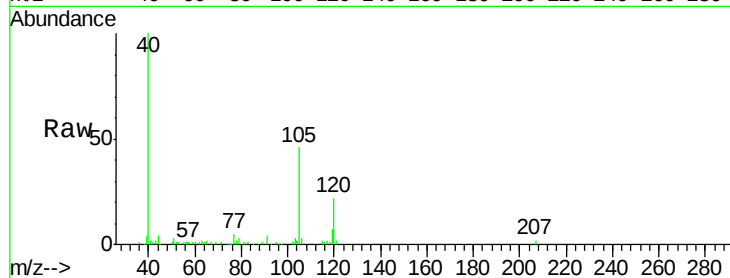
ClientSampled :

Tot Ion:105 Resp: 38278

Ion Ratio Lower Upper

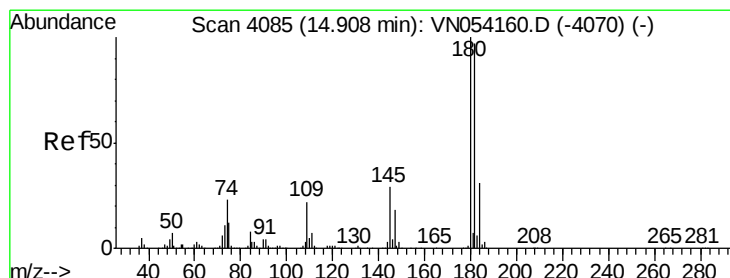
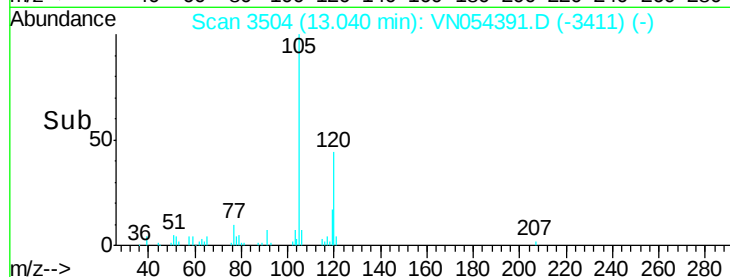
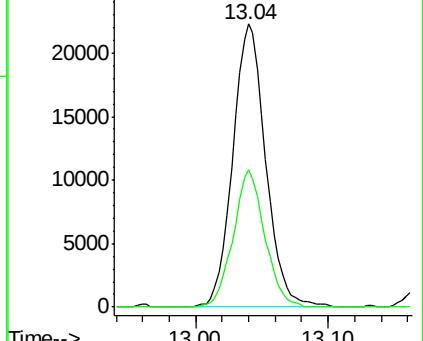
105 100

120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#93

1,2,4-Trichlorobenzene

Concen: 2.596 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054391.D

Acq: 18 Mar 2019 13:59

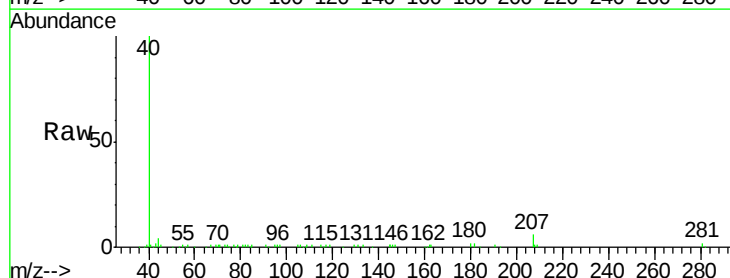
Tgt Ion:180 Resp: 1527

Ion Ratio Lower Upper

180 100

182 103.8 48.0 144.2

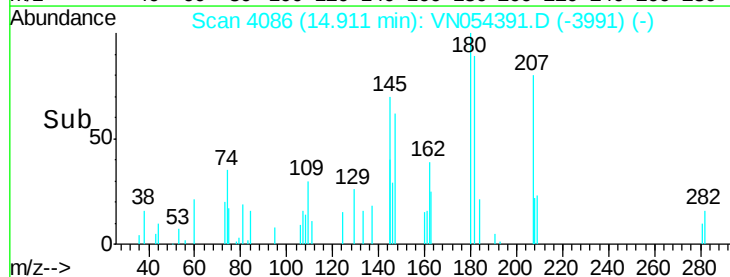
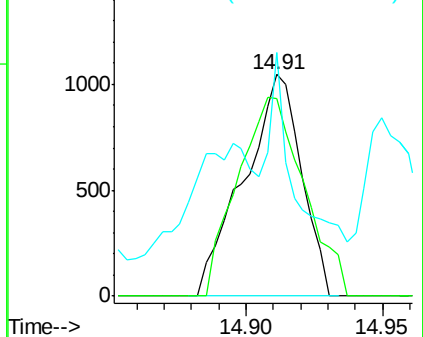
145 51.2 14.2 42.8#

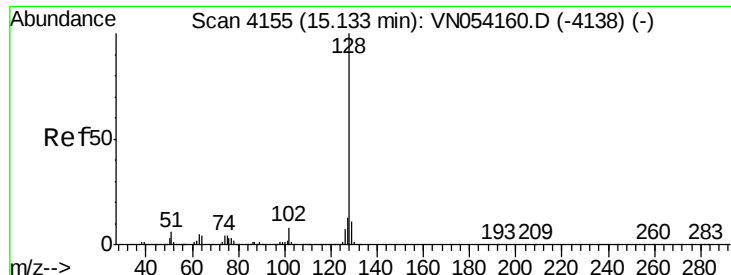


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

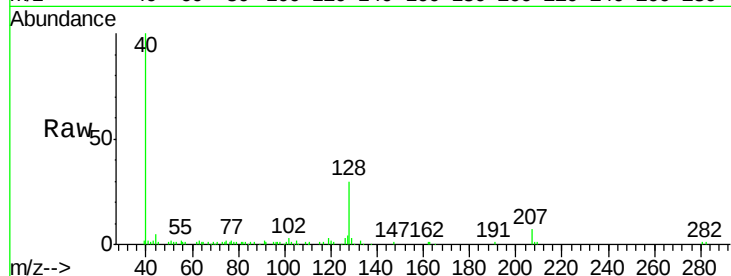




#95
Naphthalene
Concen: 4.140 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054391.D
Acq: 18 Mar 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.1	15.1
129	12.2	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

