

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054221.D
 Acq On : 13 Mar 2019 19:11
 Operator : JC/SP
 Sample : K1842-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:20:15 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	7.67	168	1448884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2362663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2472236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1306462	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	765079	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	7.59	113	731489	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	10.09	98	2939851	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.40	95	1199067	60.89	ug/l	0.00
Spiked Amount			Recovery	=	121.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.65	56	242	0.242	ug/l #	14
14) Allyl chloride	4.39	41	9485	0.491	ug/l #	23
15) Acrylonitrile	5.03	53	2134	0.492	ug/l #	24
16) Acetone	3.82	43	39710	9.013	ug/l	95
18) Methyl Acetate	4.38	43	7684	0.862	ug/l #	49
25) 2-Butanone	6.85	43	1834	0.355	ug/l #	88
30) Chloroform	7.32	83	6563	0.254	ug/l #	17
31) Cyclohexane	7.65	56	116394	3.898	ug/l #	82
36) 1,1-Dichloropropene	7.66	75	83301	3.829	ug/l #	49
38) Carbon Tetrachloride	7.66	117	116570	5.109	ug/l #	16
39) Methylcyclohexane	9.08	83	140542	5.250	ug/l	97
40) Benzene	8.04	78	54614	0.877	ug/l	96
43) Isopropyl Acetate	8.15	43	8433	0.384	ug/l #	60
47) Bromodichloromethane	9.39	83	5860	0.280	ug/l #	36
48) Methyl methacrylate	9.22	41	4901	0.440	ug/l #	11
51) 4-Methyl-2-Pentanone	9.99	43	3629	0.312	ug/l #	83
52) Toluene	10.16	92	581320	14.725	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	262	1.996	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	25326	1.757	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.61	63	4577	17.400	ug/l #	44
67) Ethyl Benzene	11.51	91	16340391	181.592	ug/l	97
68) m/p-Xylenes	11.63	106	10292021	292.636	ug/l #	1
69) o-Xylene	11.95	106	6933750	202.239	ug/l	99
70) Styrene	11.95	104	347869	6.470	ug/l #	1
71) Bromoform	12.40	173	7034	2.797	ug/l #	1
73) Isopropylbenzene	12.25	105	2033569	19.455	ug/l	100
76) 1,2,3-Trichloropropane	12.69	75	47876	2.492	ug/l #	100
78) n-propylbenzene	12.59	91	2496782	22.014	ug/l	99
79) 2-Chlorotoluene	12.69	91	725438	10.638	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	7944305	91.374	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.25	75	21595	3.842	ug/l #	67
82) 4-Chlorotoluene	12.73	91	799426	11.740	ug/l #	39
83) tert-Butylbenzene	13.04	119	2966950	37.075	ug/l #	70
84) 1,2,4-Trimethylbenzene	12.89	105	4504262	52.808	ug/l	77

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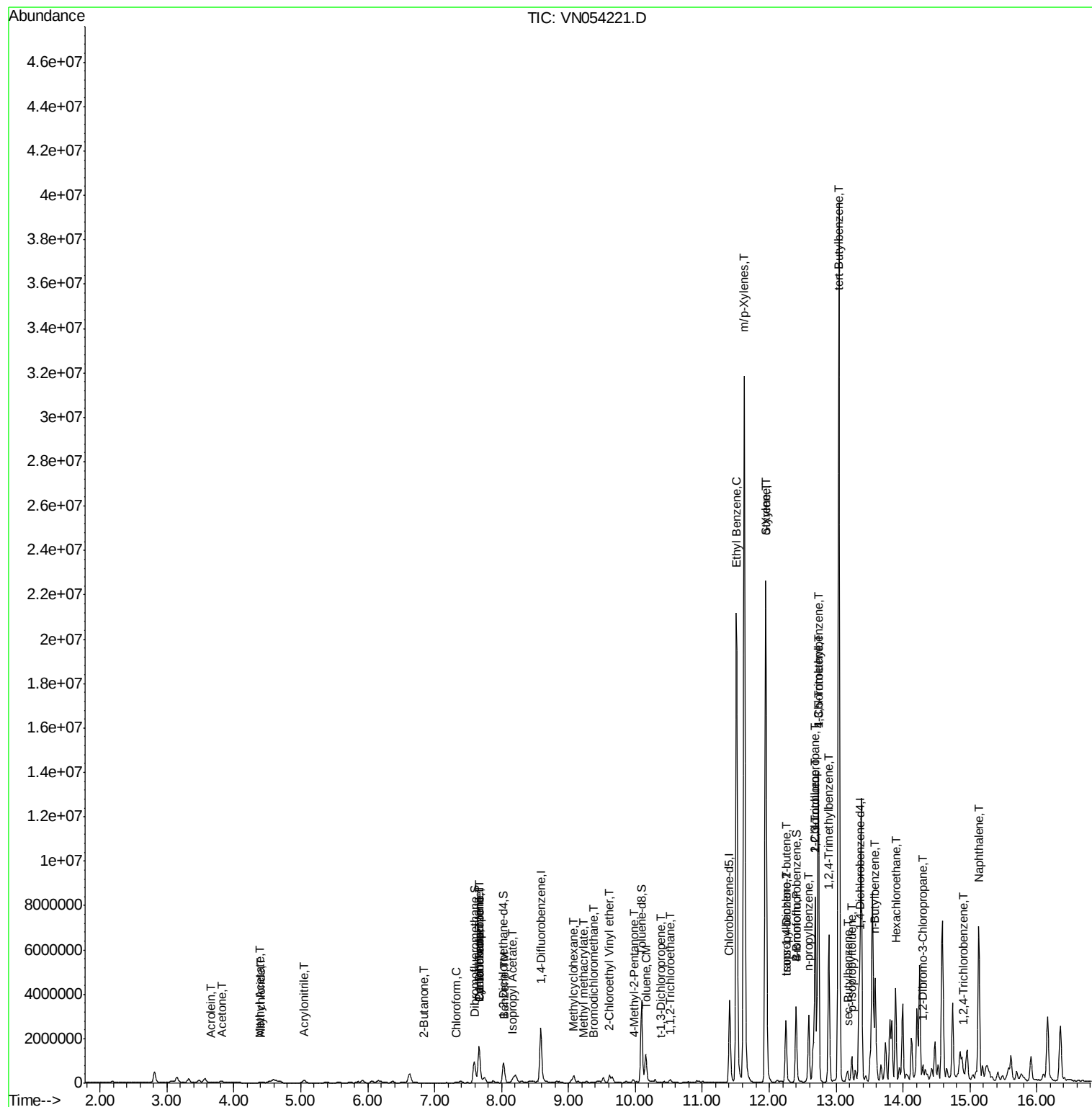
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	337859	3.255	ug/l	79
86) p-Isopropyltoluene	13.23	119	653806	7.181	ug/l	97
89) n-Butylbenzene	13.58	91	186123	2.690	ug/l #	1
90) Hexachloroethane	13.89	117	202214	13.413	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.30	75	2377	0.690	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2295	2.596	ug/l #	1
95) Naphthalene	15.13	128	6257349	105.092	ug/l	100

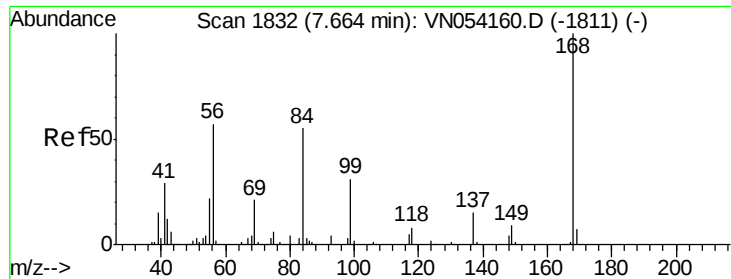
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

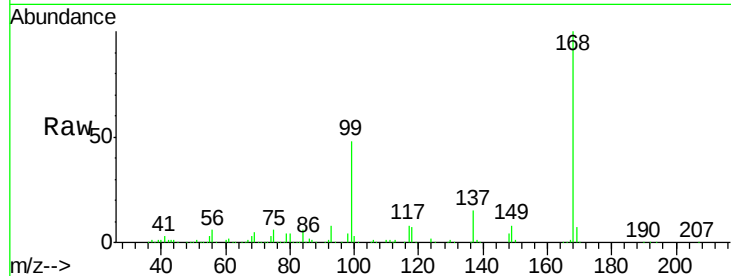
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1448884

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): VNO

7.67

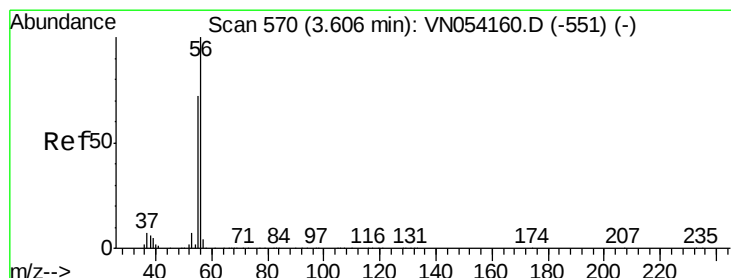
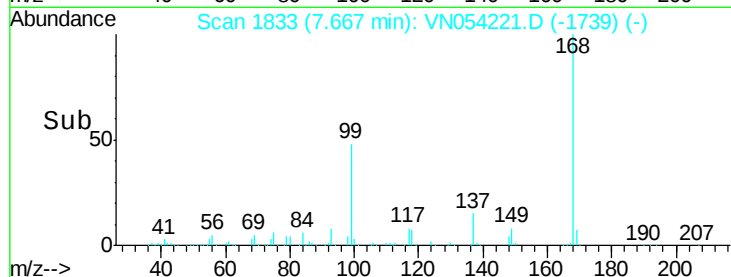
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 0.242 ug/l

RT: 3.65 min Scan# 583

Delta R.T. 0.04 min

Lab File: VN054221.D

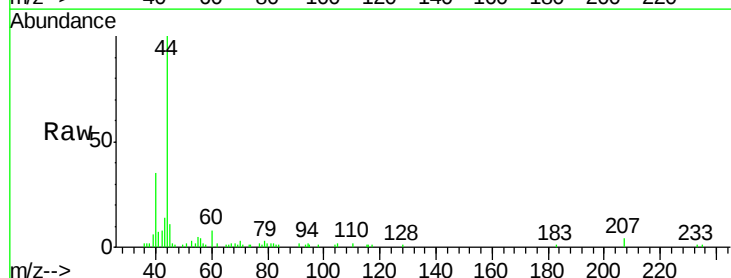
Acq: 13 Mar 2019 19:11

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.65

4000

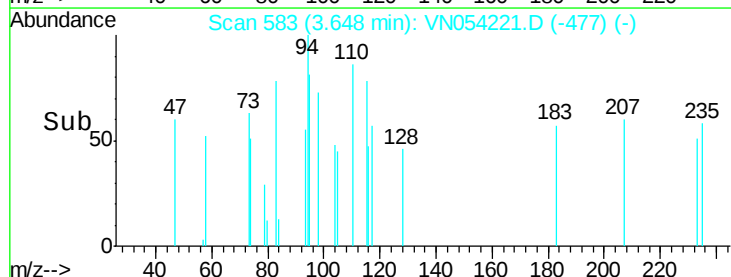
3000

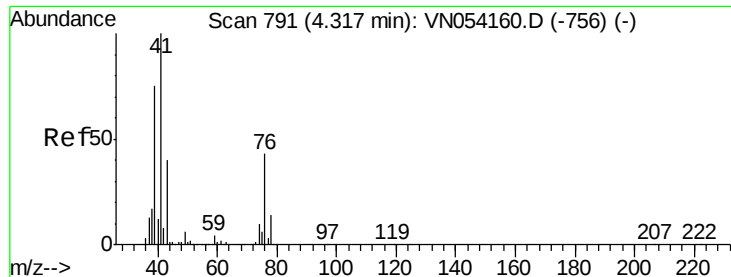
2000

1000

0

Time-->

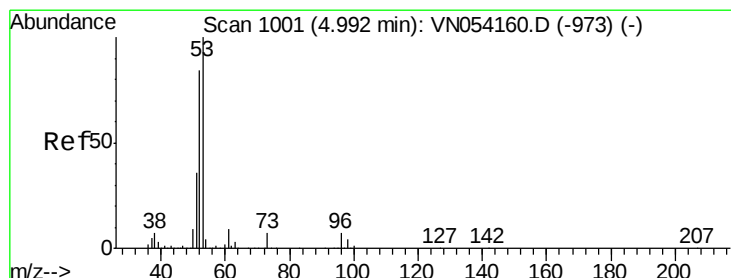
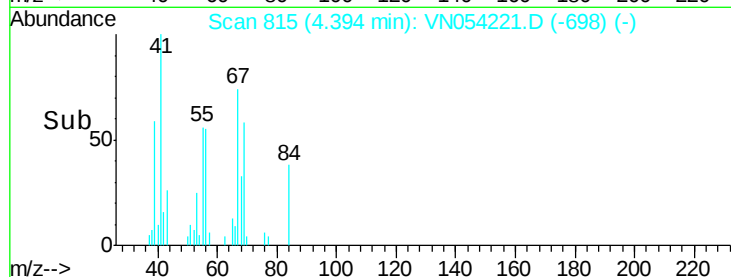
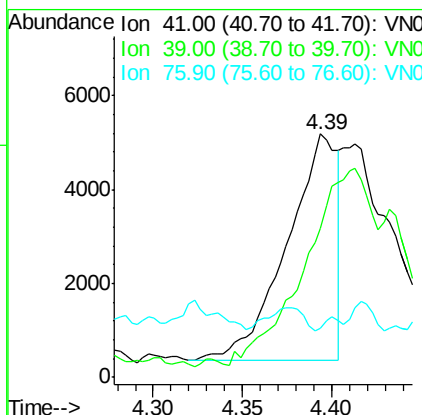
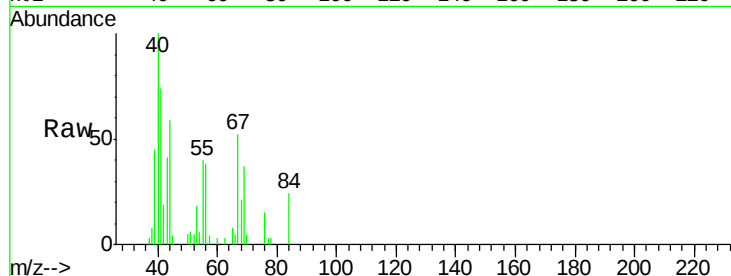




#14
Allvl chloride
Concen: 0.491 ug/l
RT: 4.39 min Scan# 815
Delta R.T. 0.08 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

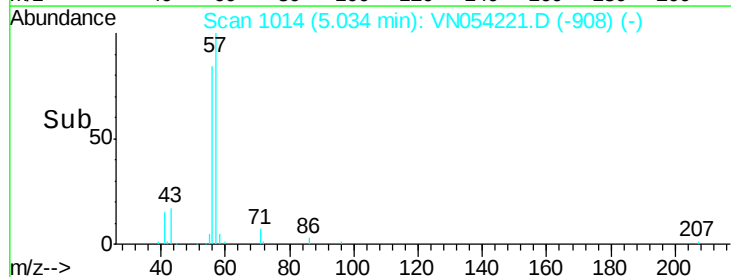
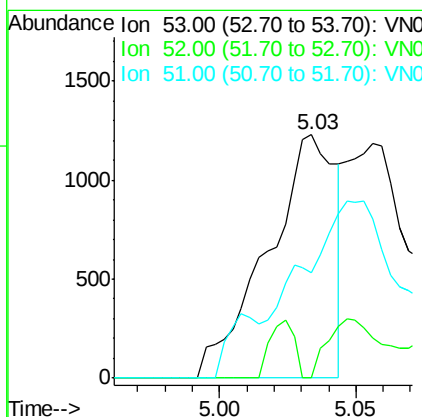
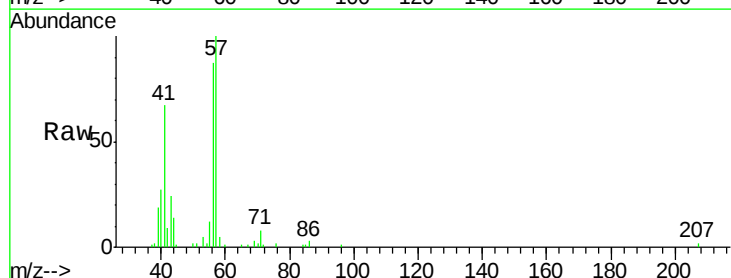
Instrument :
MSVOA_N
ClientSampled :

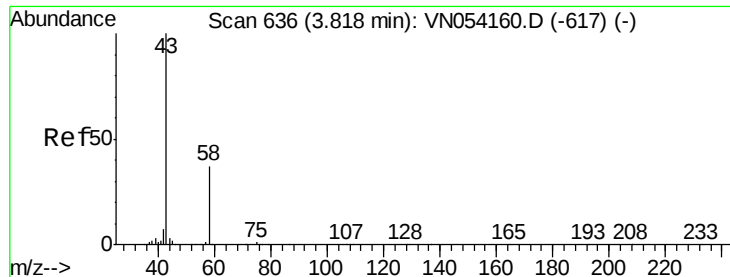
Tot Ion: 41 Resp: 9485
Ion Ratio Lower Upper
41 100
39 0.0 58.2 87.4#
76 3.3 31.7 47.5#



#15
Acrylonitrile
Concen: 0.492 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.04 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion: 53 Resp: 2134
Ion Ratio Lower Upper
53 100
52 8.5 66.4 99.6#
51 0.0 29.6 44.4#





#16

Acetone

Concen: 9.013 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

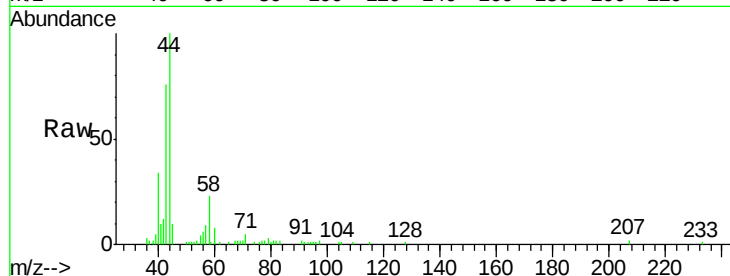
ClientSampled :

Tot Ion: 43 Resp: 39710

Ion Ratio Lower Upper

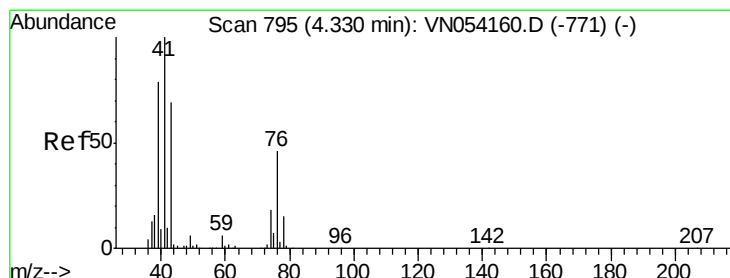
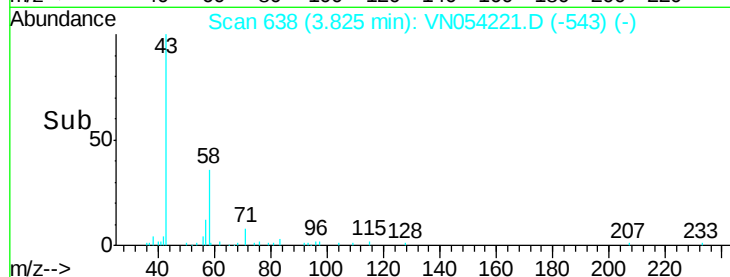
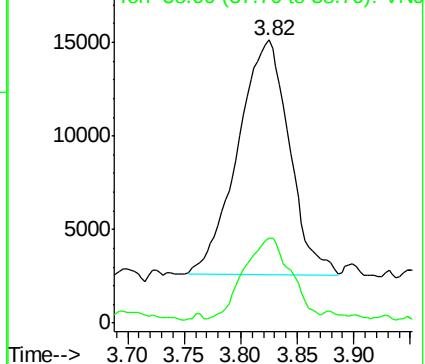
43 100

58 34.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.862 ug/l

RT: 4.38 min Scan# 812

Delta R.T. 0.05 min

Lab File: VN054221.D

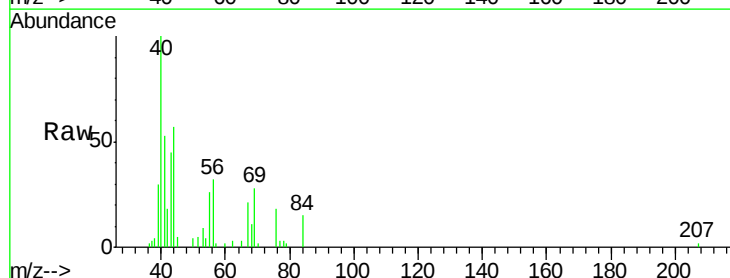
Acq: 13 Mar 2019 19:11

Tgt Ion: 43 Resp: 7684

Ion Ratio Lower Upper

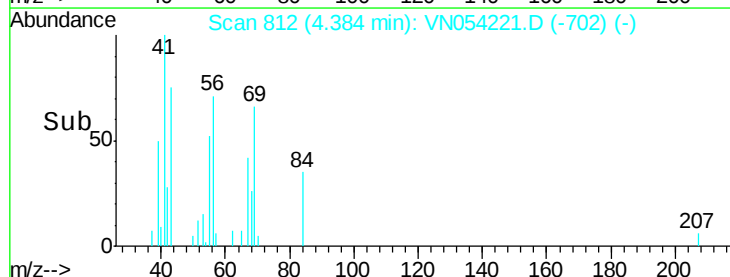
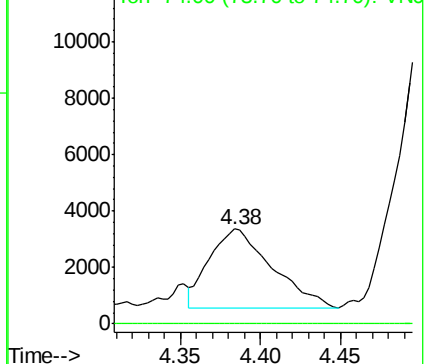
43 100

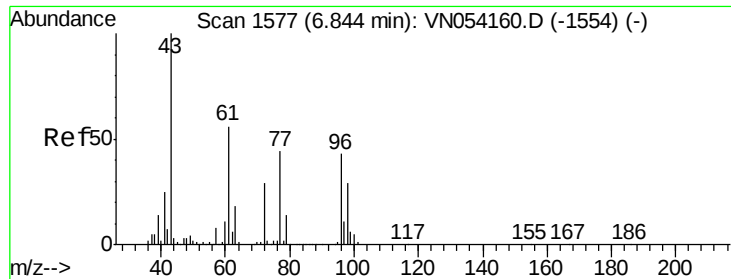
74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

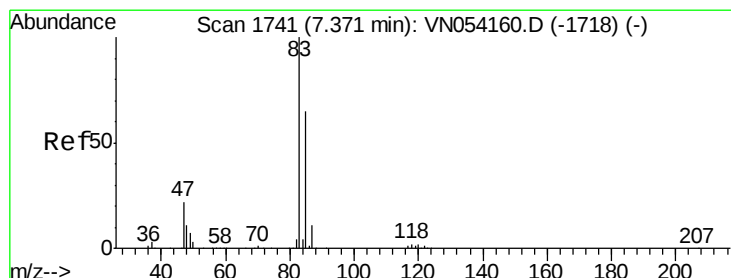
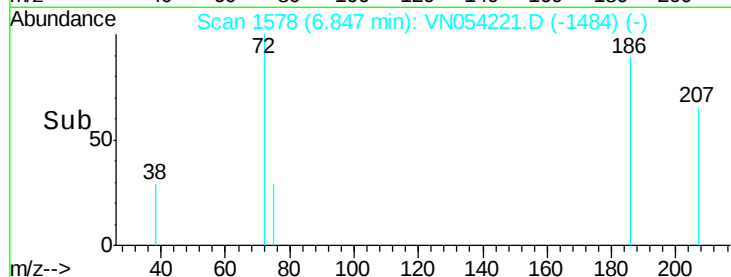
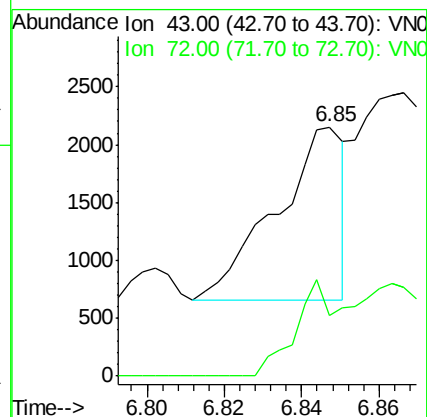
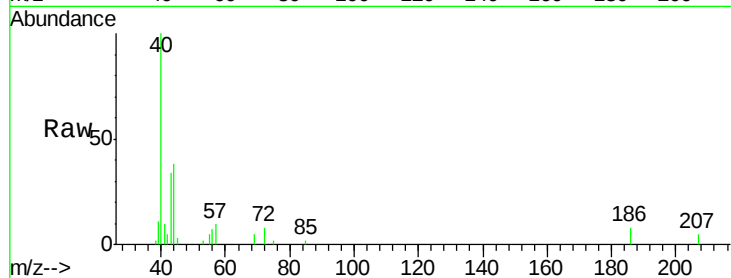




#25
2-Butanone
Concen: 0.355 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

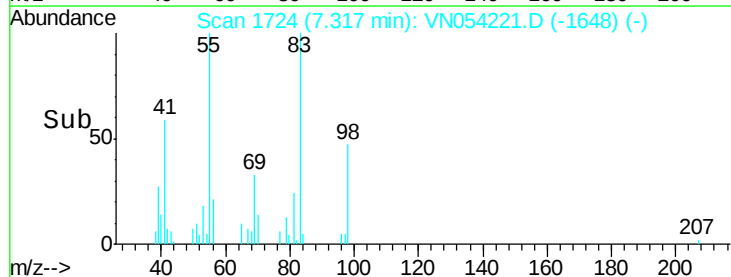
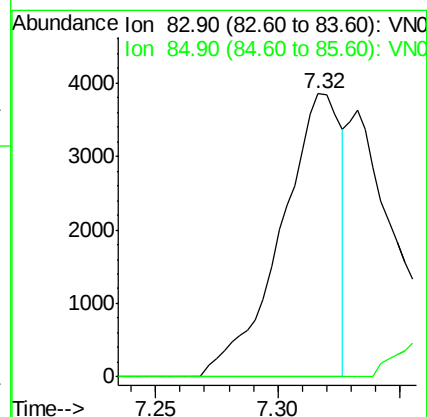
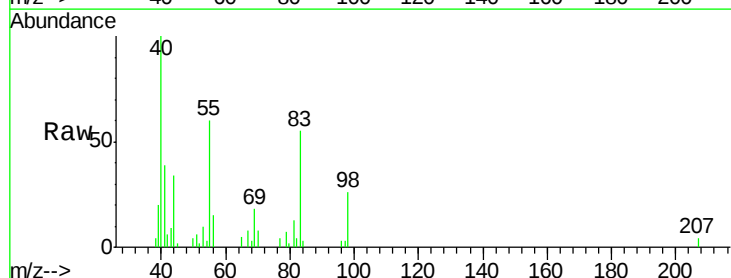
Instrument :
MSVOA_N
ClientSampled :

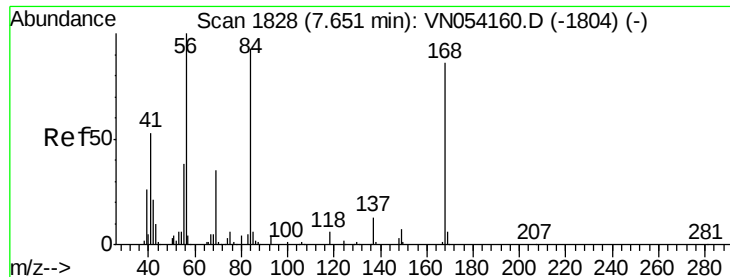
Tot Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
72 35.2 23.0 34.6#



#30
Chloroform
Concen: 0.254 ug/l
RT: 7.32 min Scan# 1724
Delta R.T. -0.05 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion: 83 Resp: 6563
Ion Ratio Lower Upper
83 100
85 0.0 52.2 78.4#





#31

Cyclohexane

Concen: 3.898 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

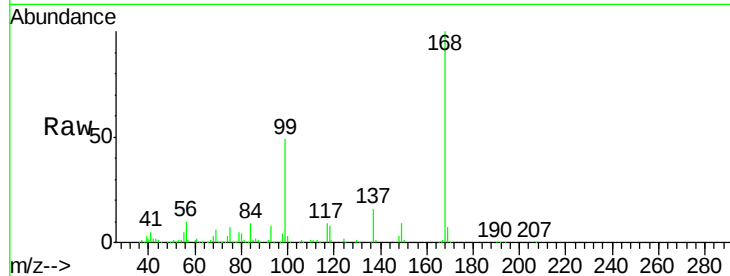
Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

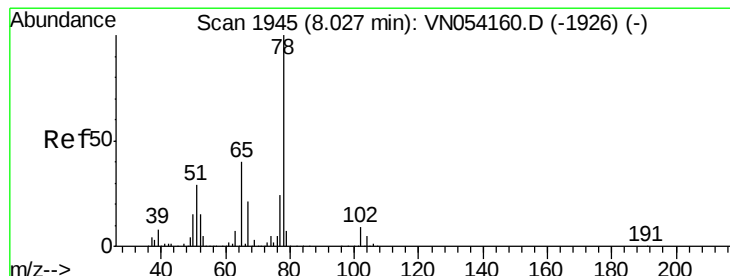
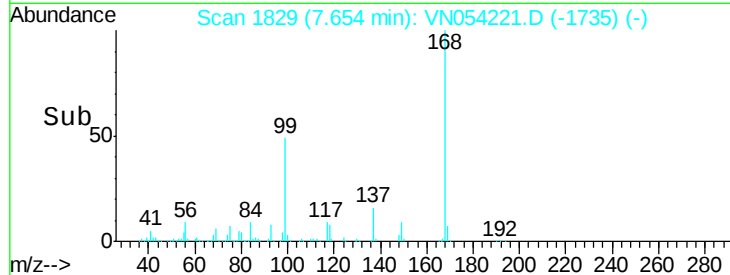
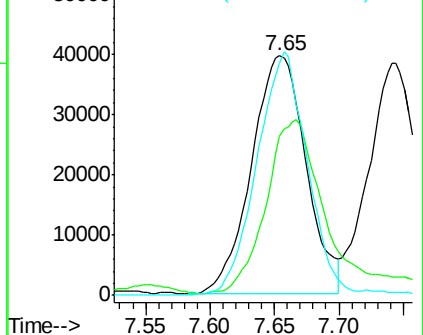
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 116394

Ion	Ratio	Lower	Upper
56	100		
69	65.8	27.8	41.6#
84	97.9	74.6	111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.722 ug/l

RT: 8.03 min Scan# 1945

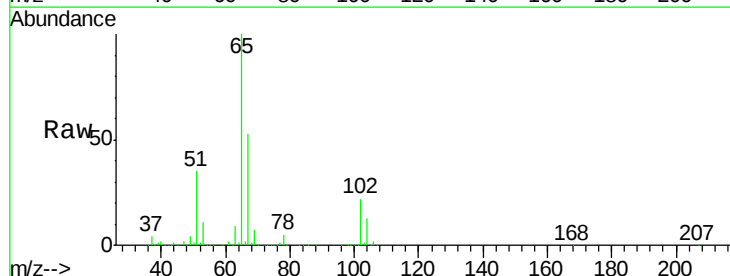
Delta R.T. 0.00 min

Lab File: VN054221.D

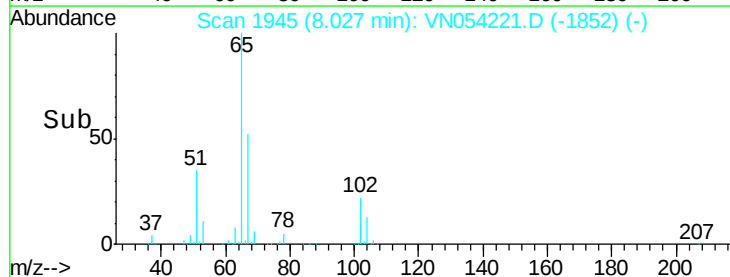
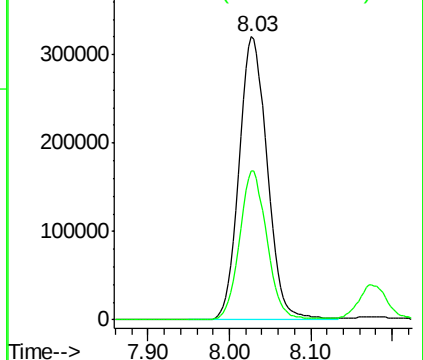
Acq: 13 Mar 2019 19:11

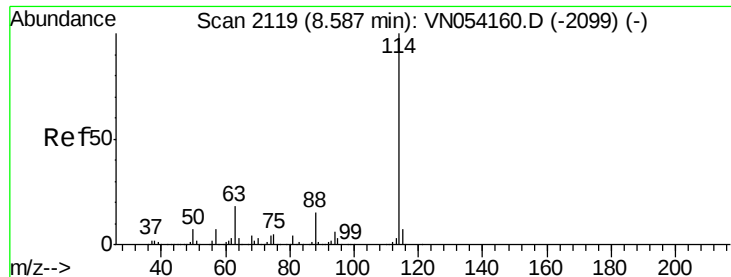
Tgt Ion: 65 Resp: 765079

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

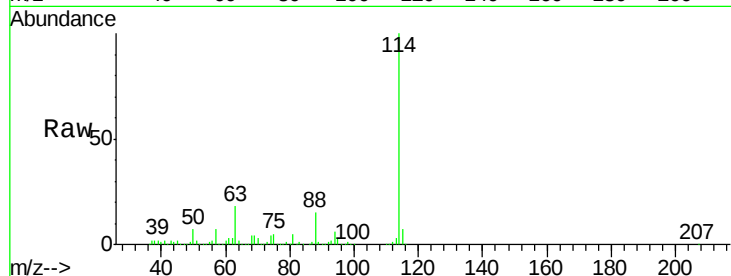




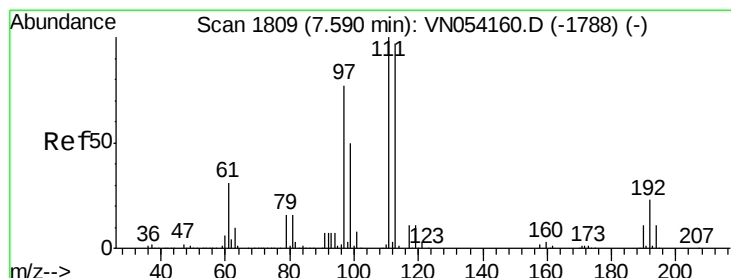
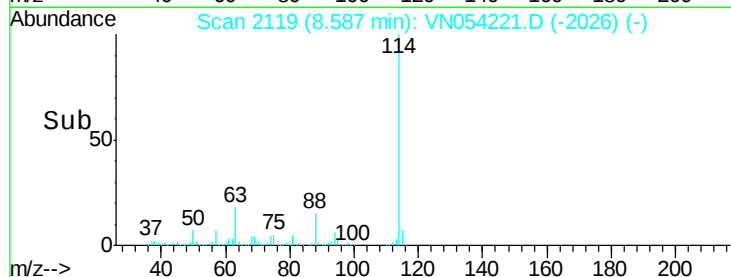
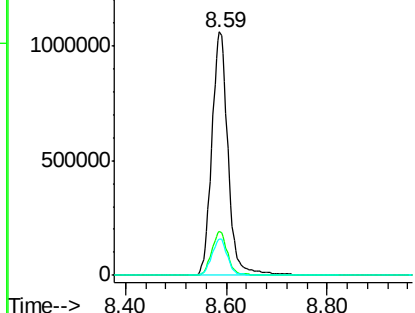
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054221.D
 Acq: 13 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2362663
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.8 0.0 30.2

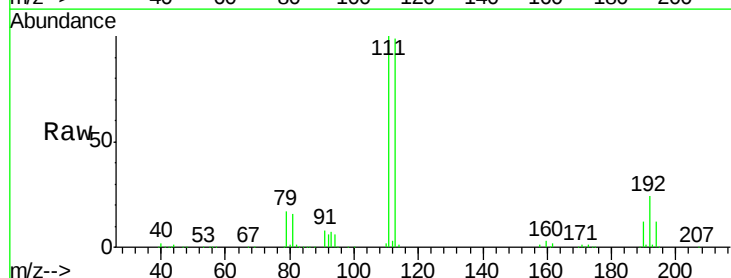


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

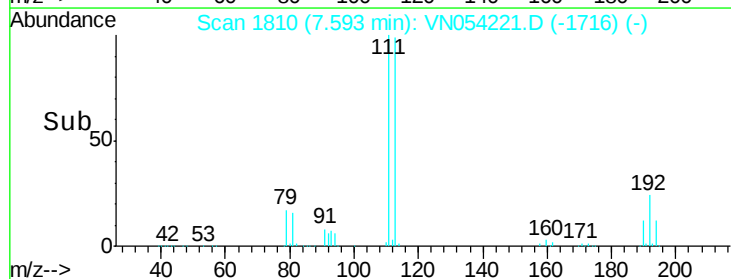
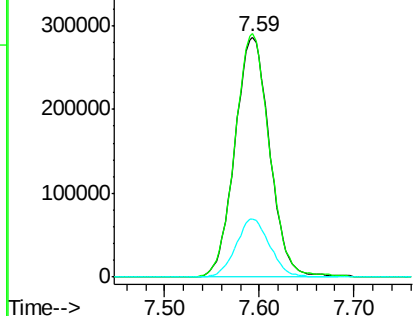


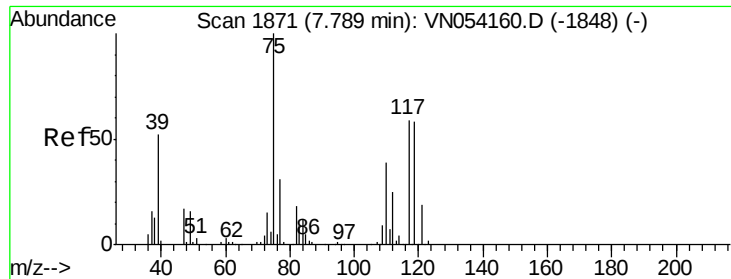
#35
 Dibromofluoromethane
 Concen: 48.004 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054221.D
 Acq: 13 Mar 2019 19:11

Tgt Ion:113 Resp: 731489
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.2 123.4
 192 23.5 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

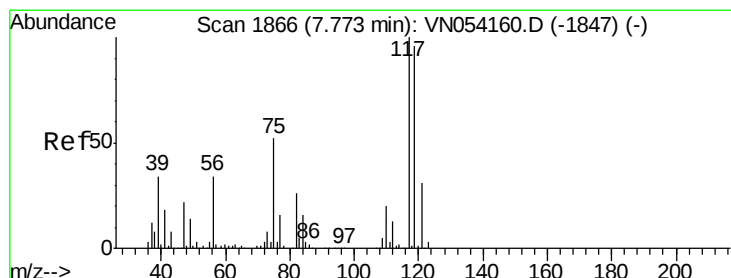
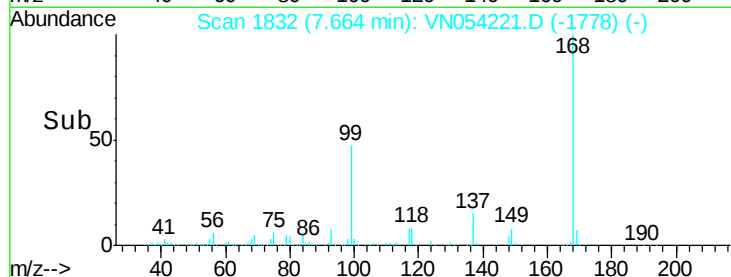
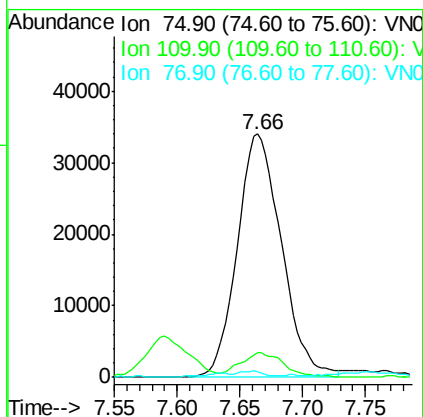
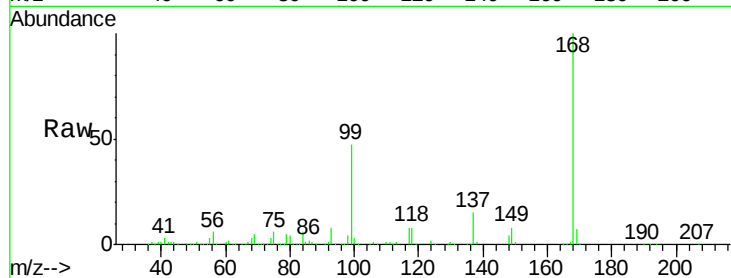




#36
 1,1-Dichloropropene
 Concen: 3.829 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054221.D
 Acq: 13 Mar 2019 19:11

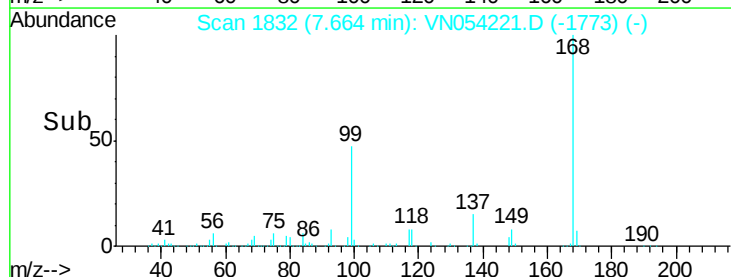
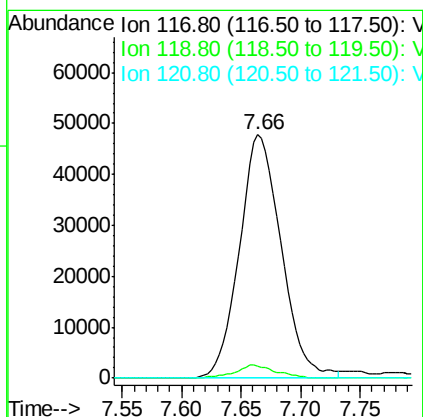
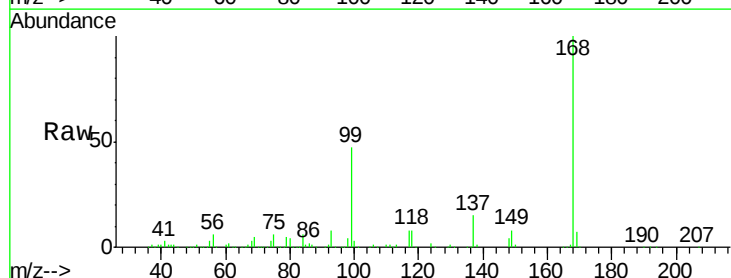
Instrument :
 MSVOA_N
 ClientSampleId :

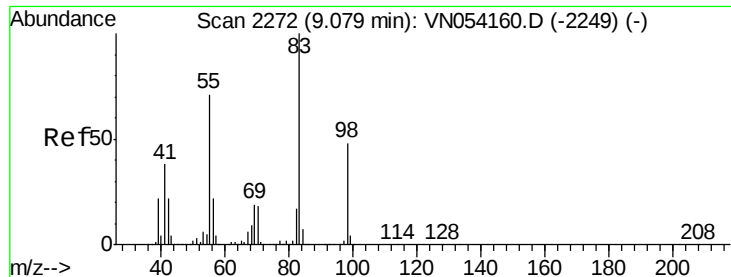
Tot Ion: 75 Resp: 83301
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.1 57.5#
 77 0.9 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.109 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054221.D
 Acq: 13 Mar 2019 19:11

Tgt Ion: 117 Resp: 116570
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.3 114.5#
 121 0.0 24.6 36.8#

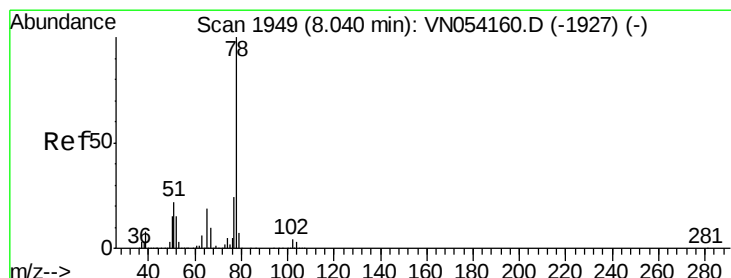
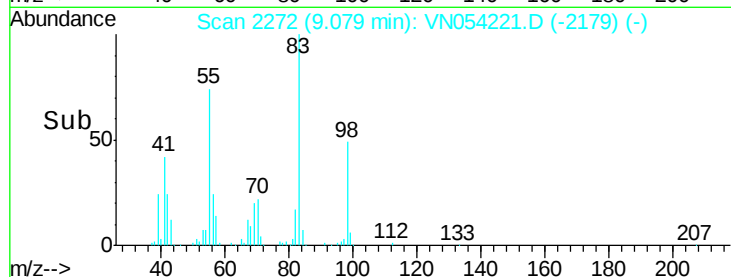
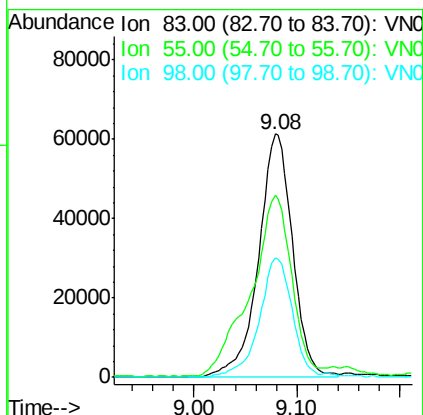
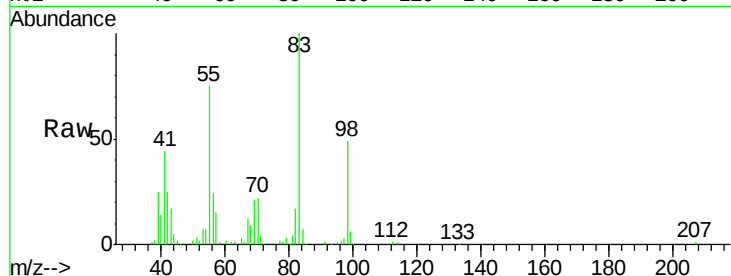




#39
Methvlcvclohexane
Concen: 5.250 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

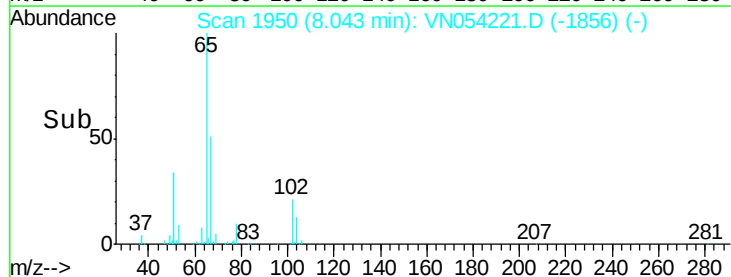
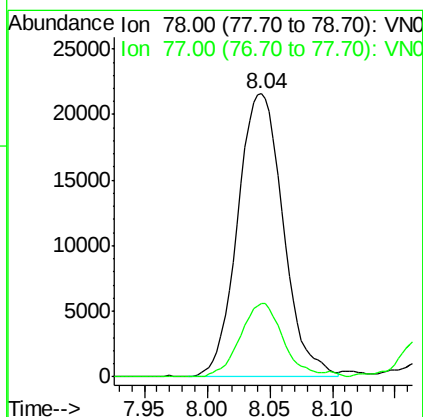
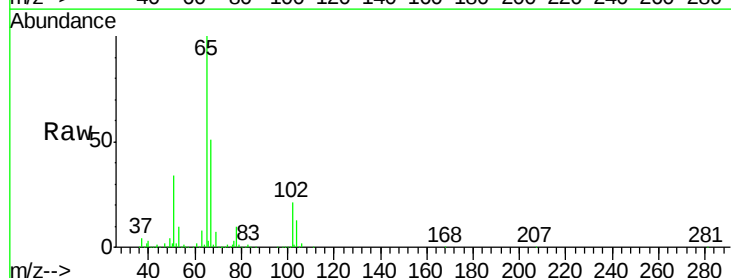
Instrument :
MSVOA_N
ClientSampled :

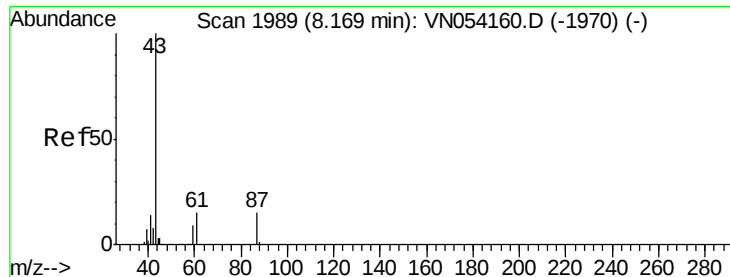
Tot Ion: 83 Resp: 140542
Ion Ratio Lower Upper
83 100
55 74.3 56.6 84.8
98 49.2 38.4 57.6



#40
Benzene
Concen: 0.877 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion: 78 Resp: 54614
Ion Ratio Lower Upper
78 100
77 26.0 19.1 28.7





#43

Isopropyl Acetate

Concen: 0.384 ug/l

RT: 8.15 min Scan# 1984

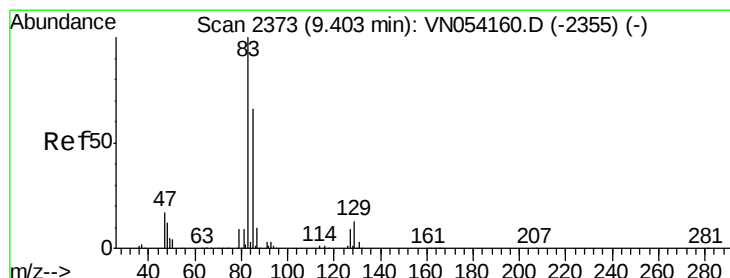
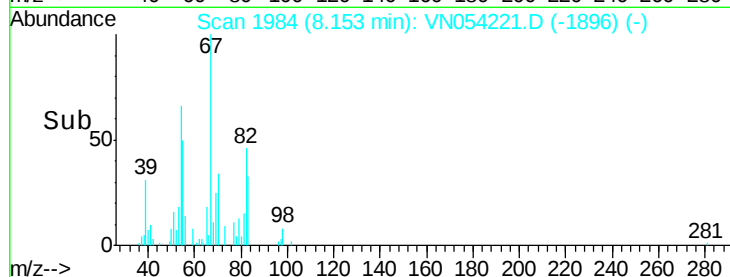
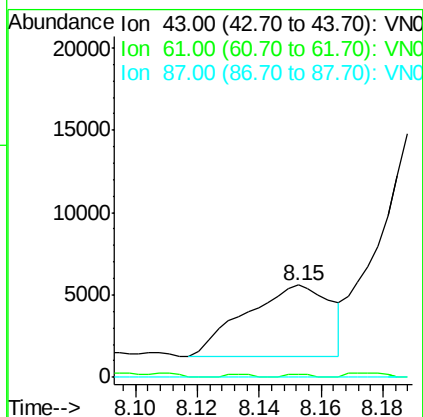
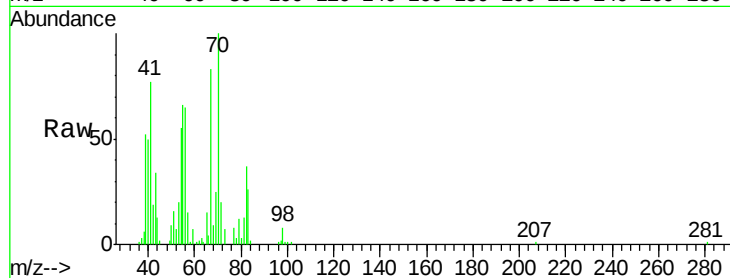
Delta R.T. -0.02 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	43	Resp:	8433
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.8	23.8#
87	0.0	12.0	18.0#



#47

Bromodichloromethane

Concen: 0.280 ug/l

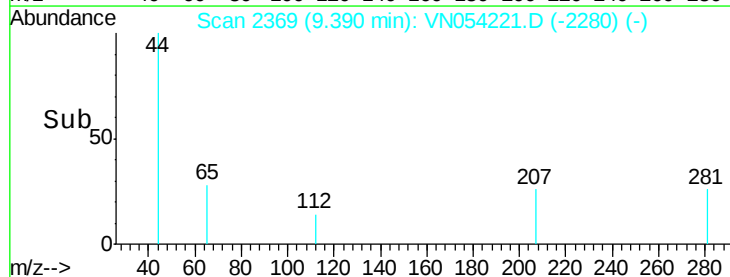
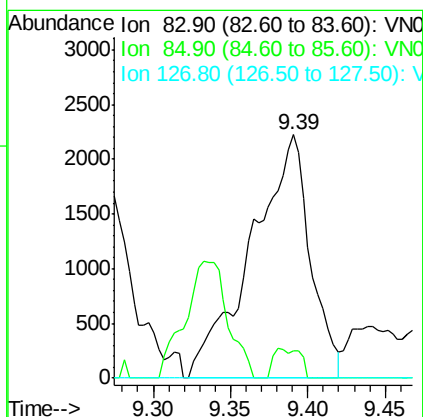
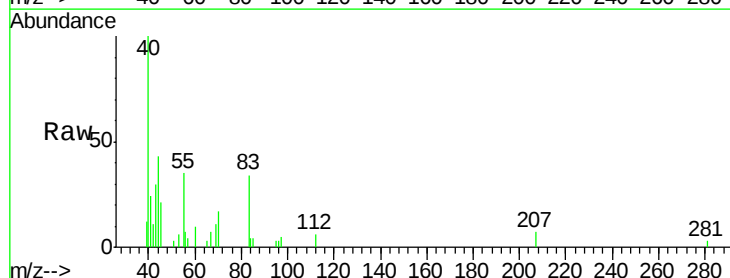
RT: 9.39 min Scan# 2369

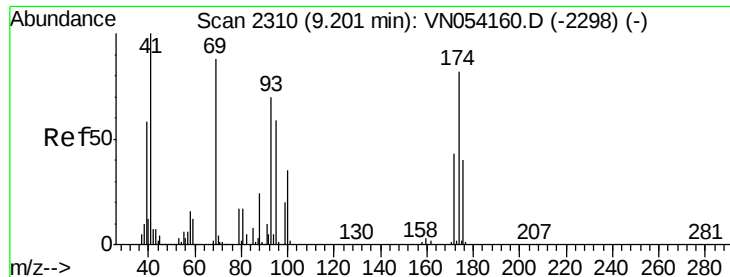
Delta R.T. -0.01 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Tgt Ion:	83	Resp:	5860
Ion	Ratio	Lower	Upper
83	100		
85	11.0	52.8	79.2#
127	0.0	7.4	11.2#

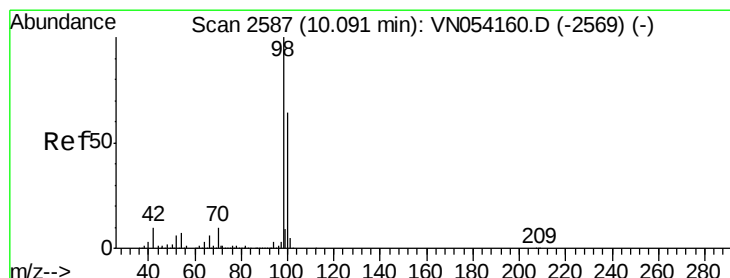
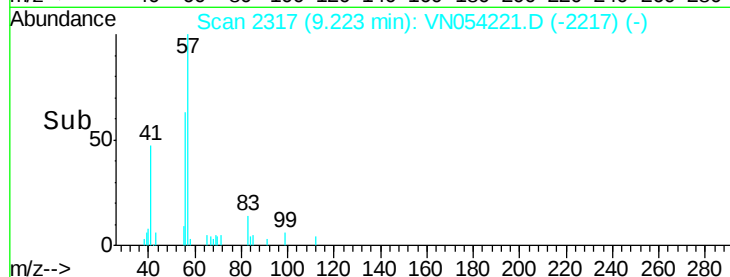
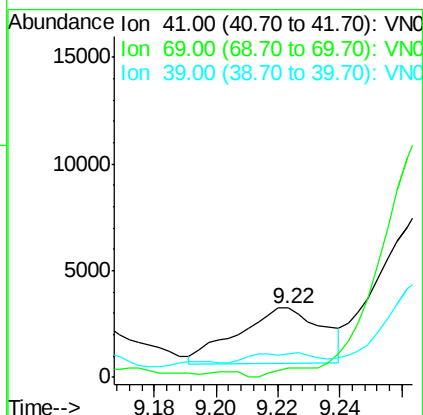
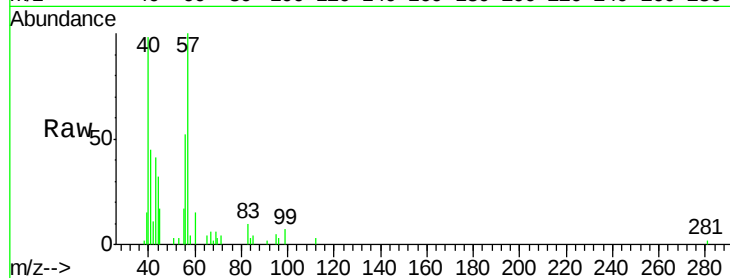




#48
Methvl methacrvlate
Concen: 0.440 ug/l
RT: 9.22 min Scan# 2317
Delta R.T. 0.02 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

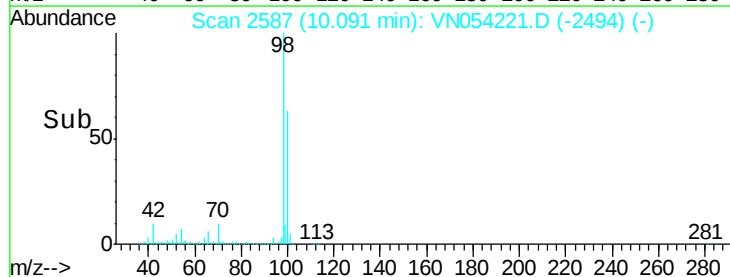
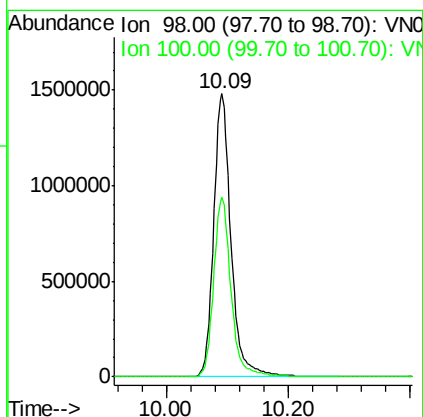
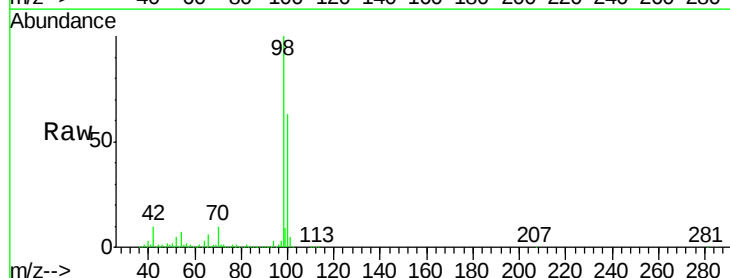
Instrument :
MSVOA_N
ClientSampled :

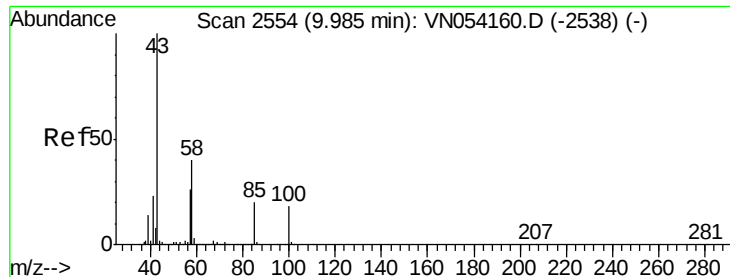
Tot Ion: 41 Resp: 4901
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#



#50
Toluene-d8
Concen: 52.239 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion: 98 Resp: 2939851
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.312 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

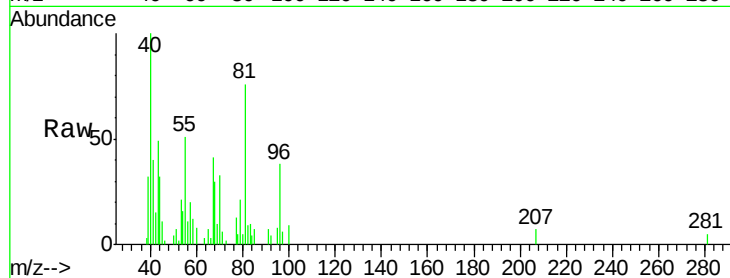
ClientSampleId :

Tot Ion: 43 Resp: 3629

Ion Ratio Lower Upper

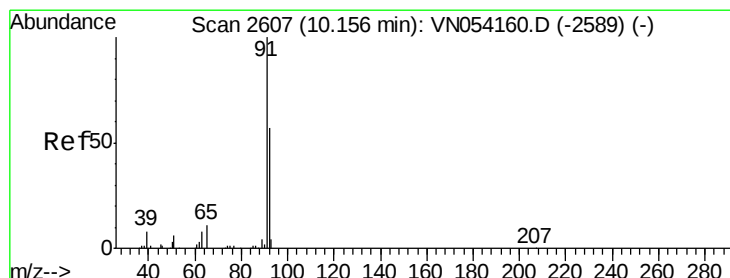
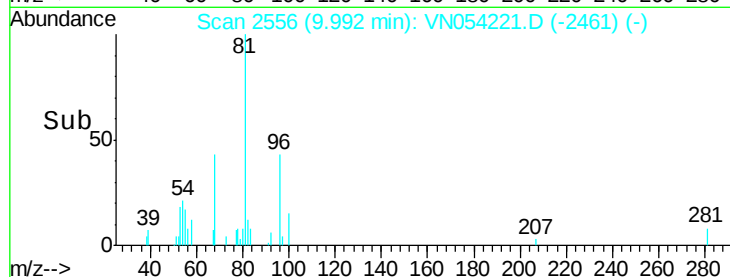
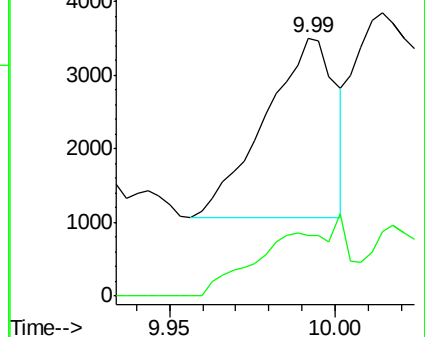
43 100

58 29.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)



#52

Toluene

Concen: 14.725 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054221.D

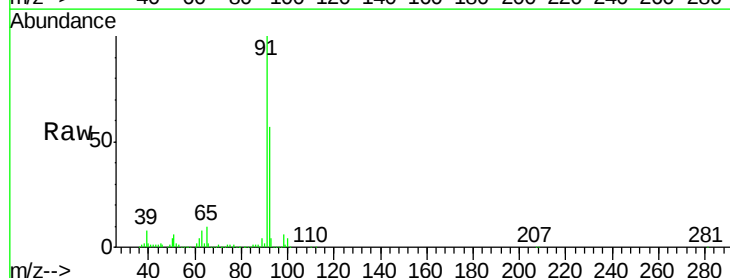
Acq: 13 Mar 2019 19:11

Tgt Ion: 92 Resp: 581320

Ion Ratio Lower Upper

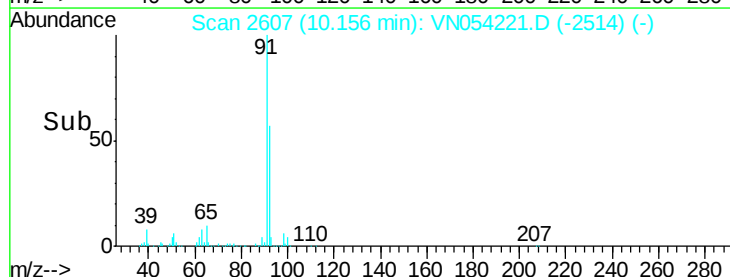
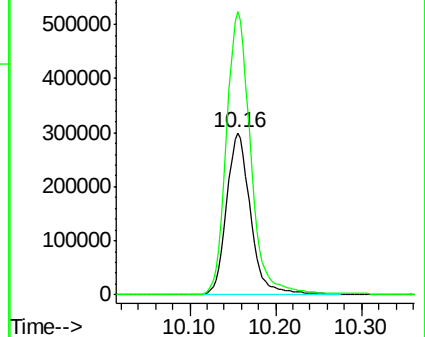
92 100

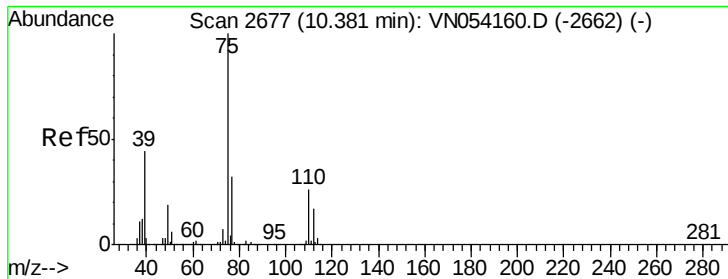
91 176.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054160.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 1.996 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

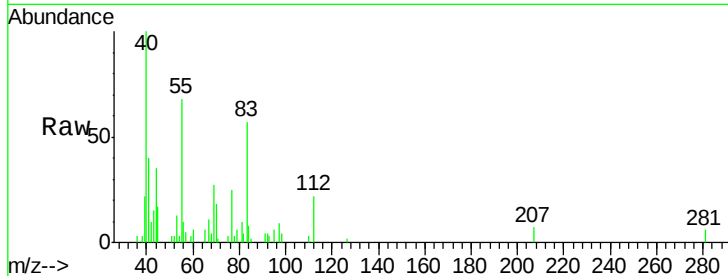
ClientSampleId :

Tot Ion: 75 Resp: 262

Ion Ratio Lower Upper

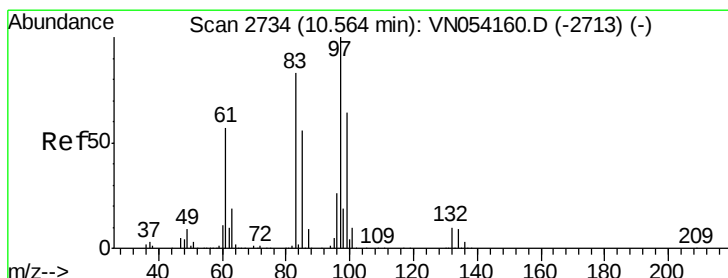
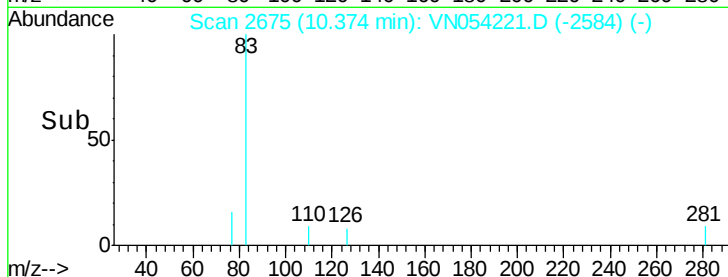
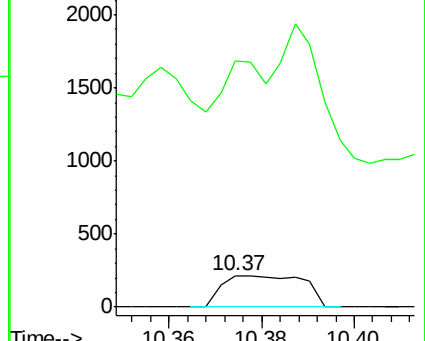
75 100

77 253.3 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#55

1,1,2-Trichloroethane

Concen: 1.757 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Tgt Ion: 97 Resp: 25326

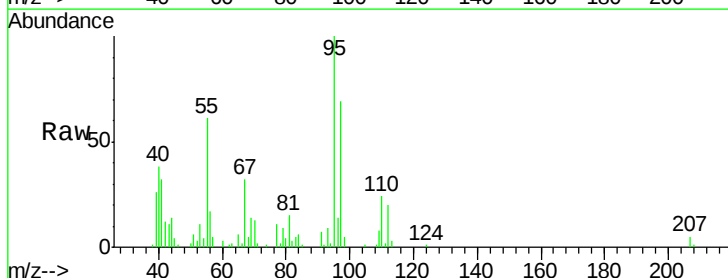
Ion Ratio Lower Upper

97 100

83 5.4 66.6 100.0#

85 1.6 44.4 66.6#

99 0.0 50.8 76.2#

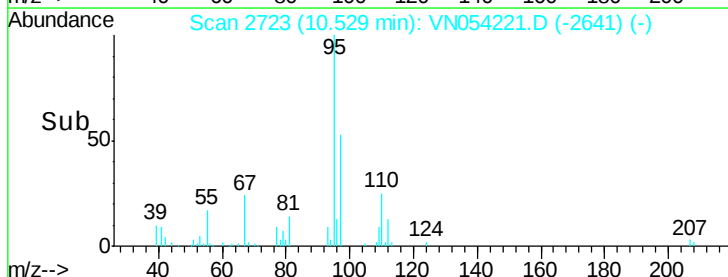
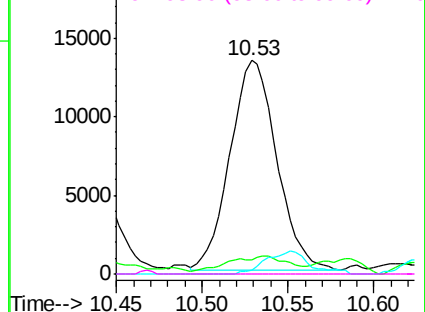


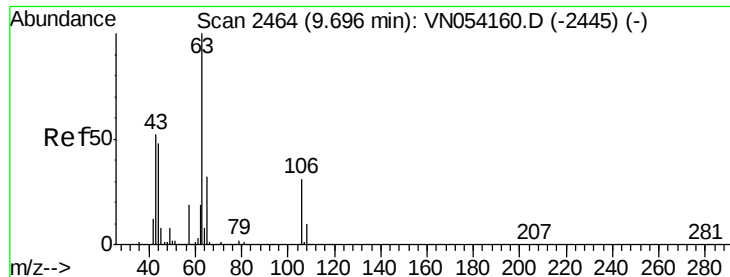
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 17.400 ug/l

RT: 9.61 min Scan# 2438

Delta R.T. -0.08 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

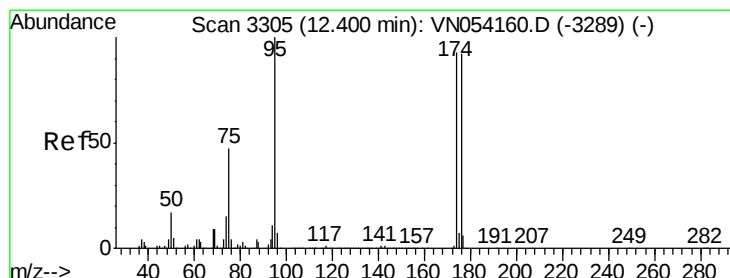
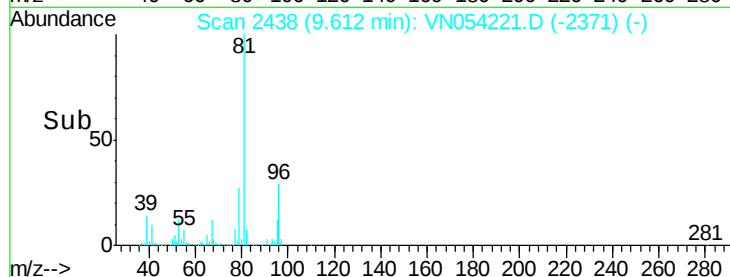
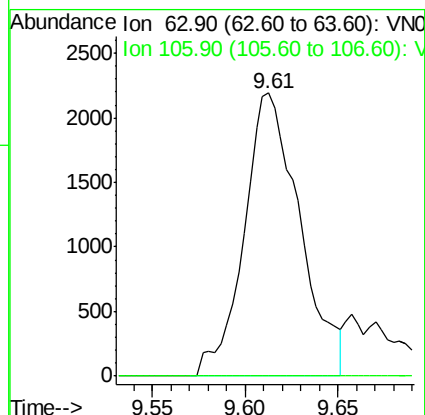
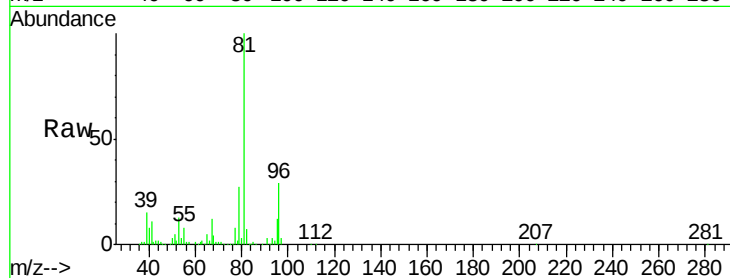
ClientSampleId :

Tot Ion: 63 Resp: 4577

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#



#62

4-Bromofluorobenzene

Concen: 60.893 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

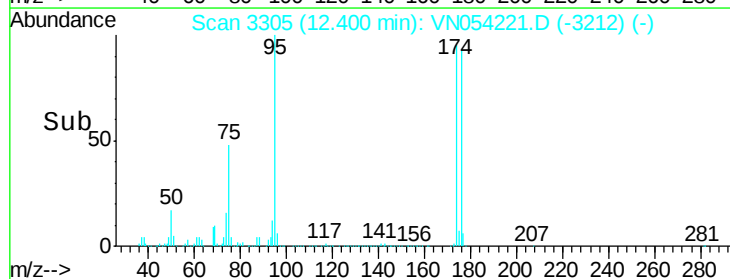
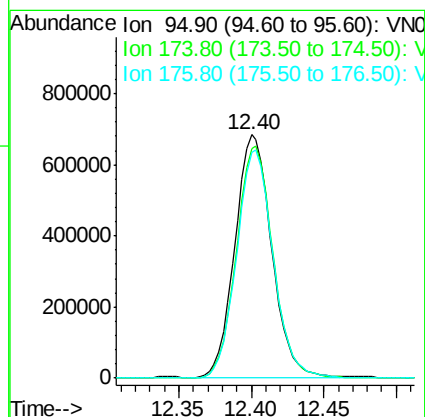
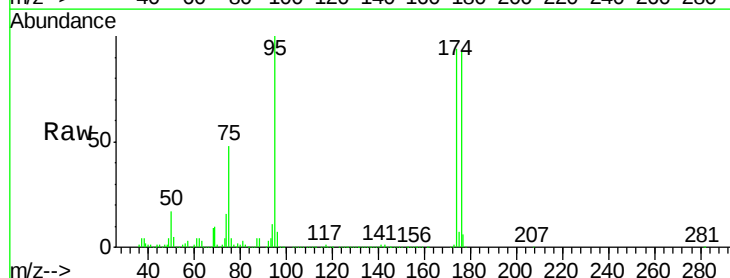
Tgt Ion: 95 Resp: 1199067

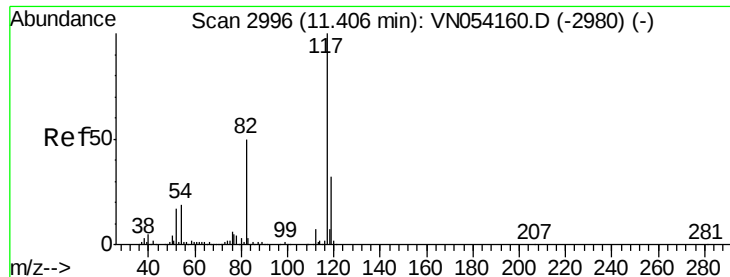
Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.0

176 93.6 0.0 187.4

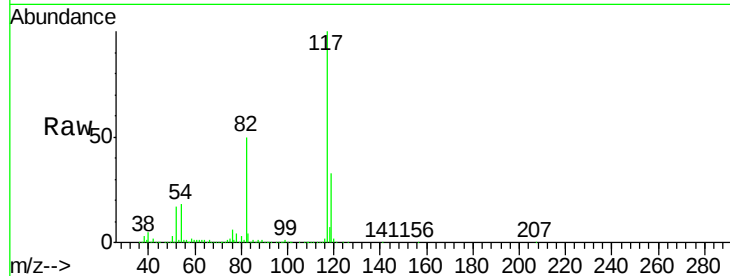




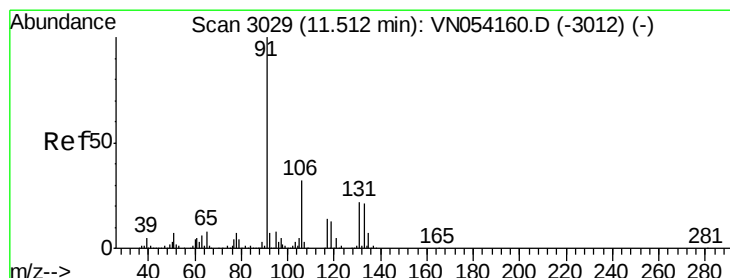
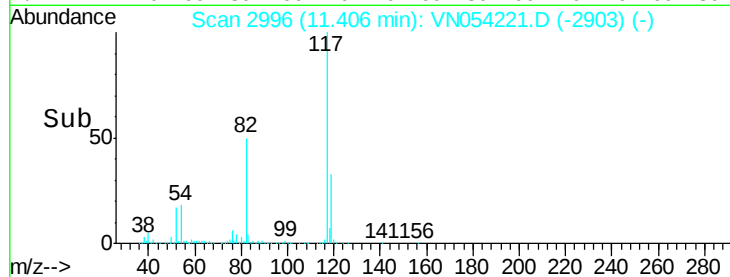
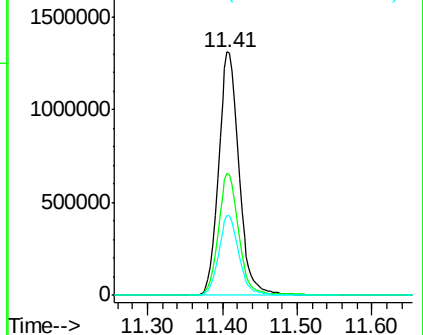
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2472236
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.8 25.8 38.6

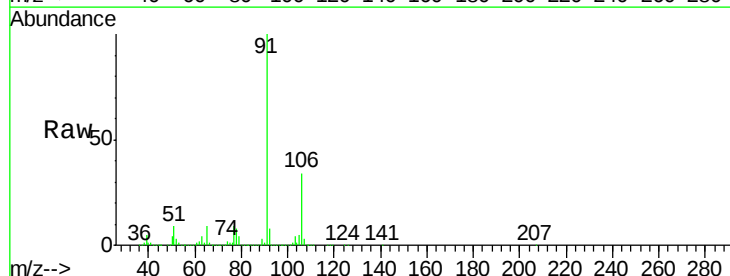


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

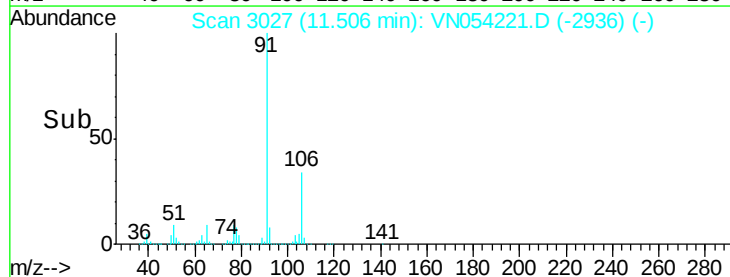
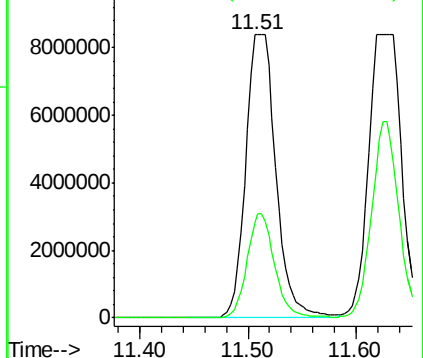


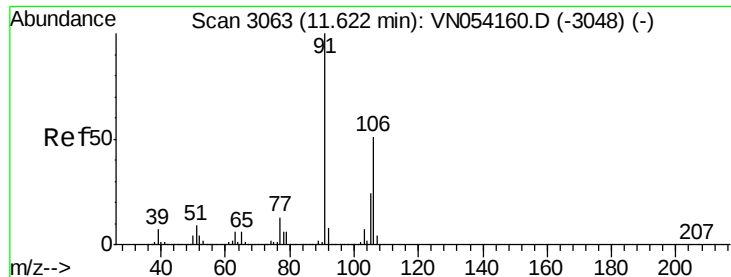
#67
Ethyl Benzene
Concen: 181.592 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.01 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion: 91 Resp:16340391
Ion Ratio Lower Upper
91 100
106 33.6 25.5 38.3



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

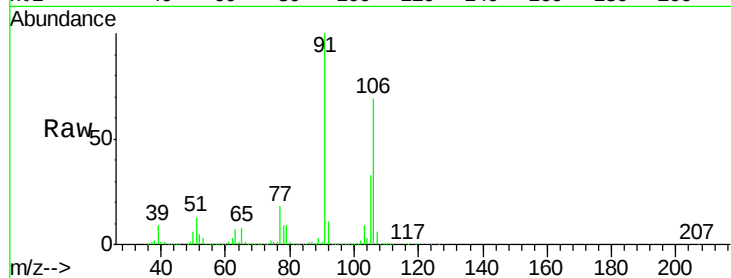




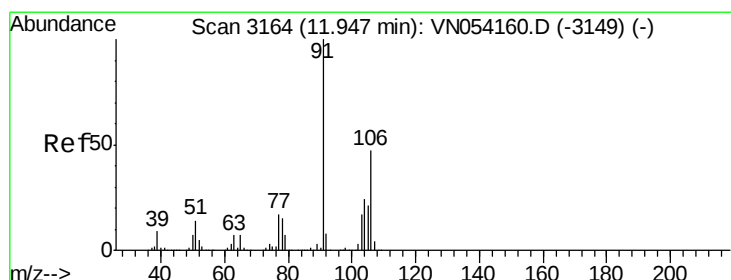
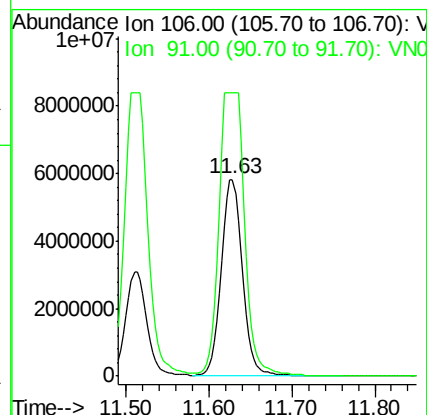
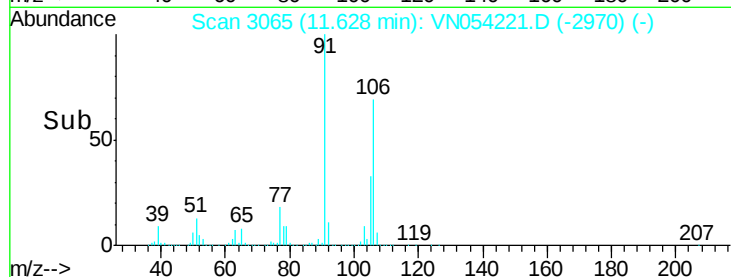
#68
m/p-Xylenes
Concen: 292.636 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp:10292021
Ion Ratio Lower Upper
106 100
91 0.0 159.4 239.2#

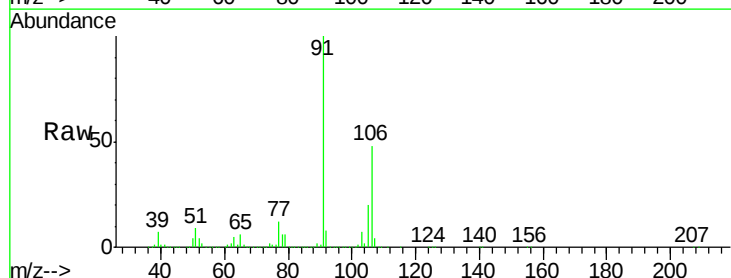


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

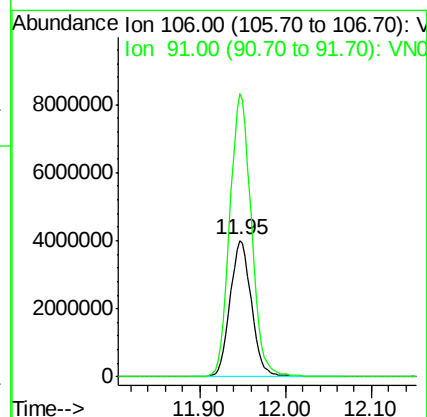
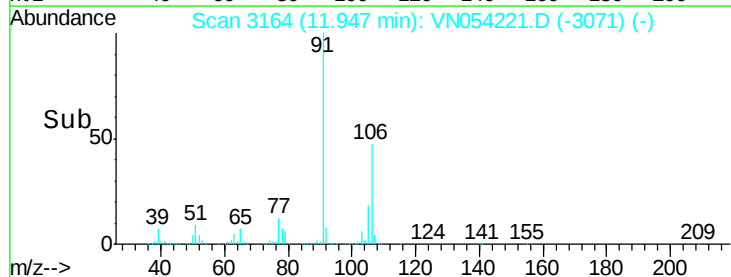


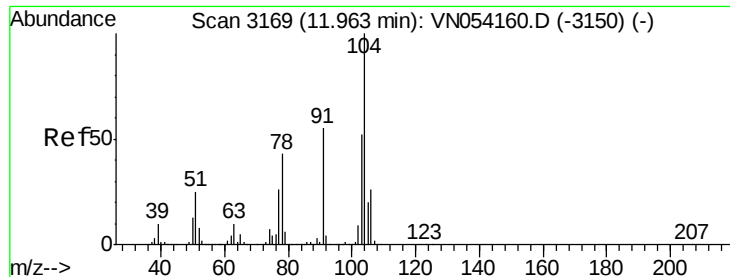
#69
o-Xylene
Concen: 202.239 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion:106 Resp: 6933750
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

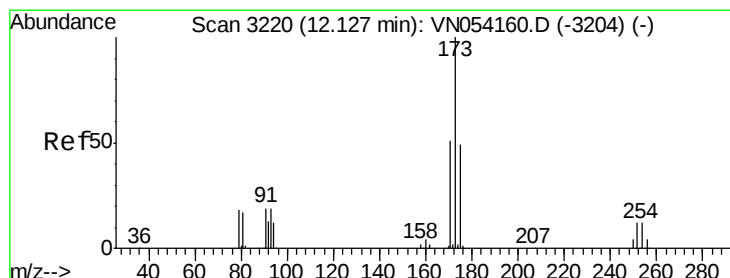
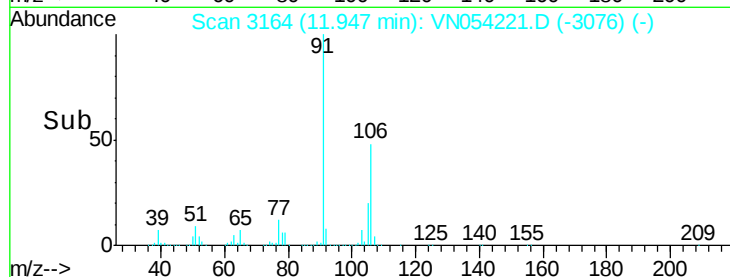
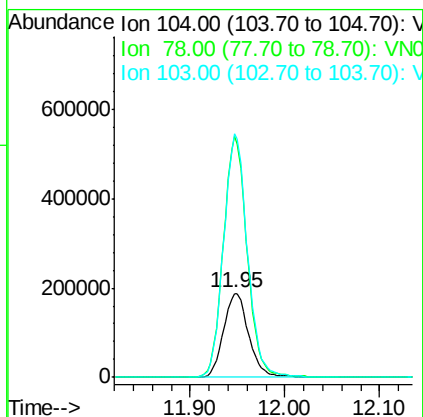
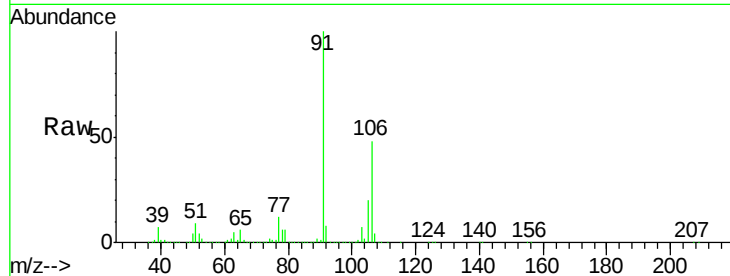




#70
Stvrene
Concen: 6.470 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

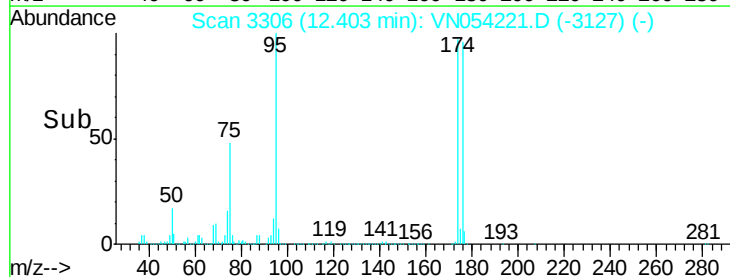
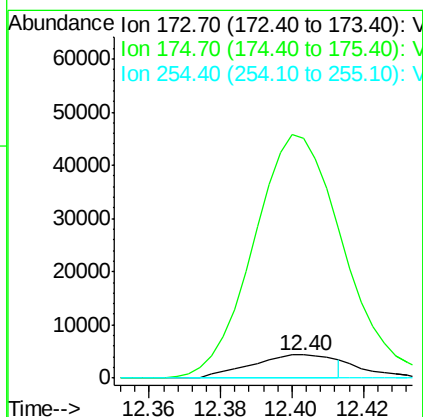
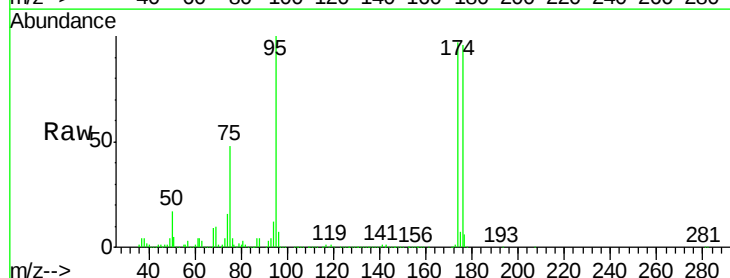
Instrument :
MSVOA_N
ClientSampleId :

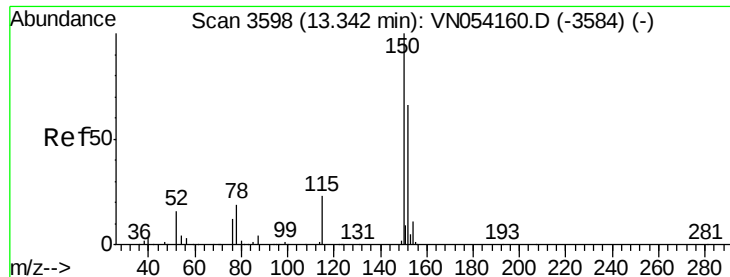
Tot Ion:104 Resp: 347869
Ion Ratio Lower Upper
104 100
78 271.5 38.2 57.2#
103 274.9 44.4 66.6#



#71
Bromoform
Concen: 2.797 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion:173 Resp: 7034
Ion Ratio Lower Upper
173 100
175 963.2 24.4 73.2#
254 0.0 0.1 0.1#



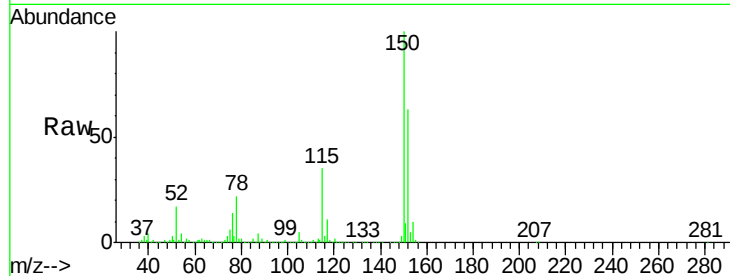


#72

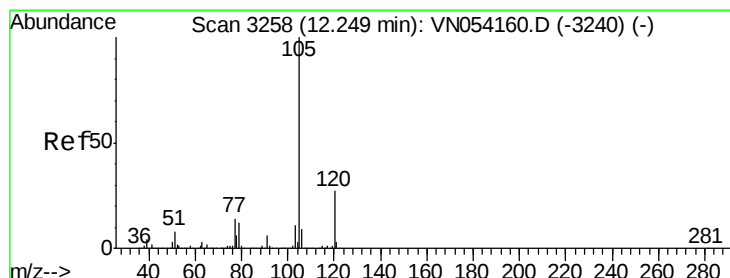
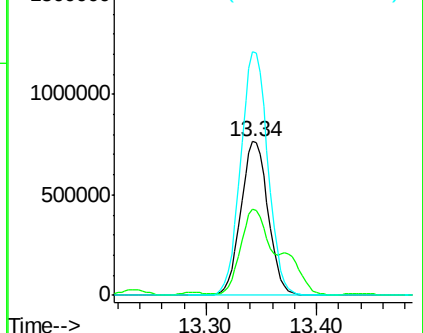
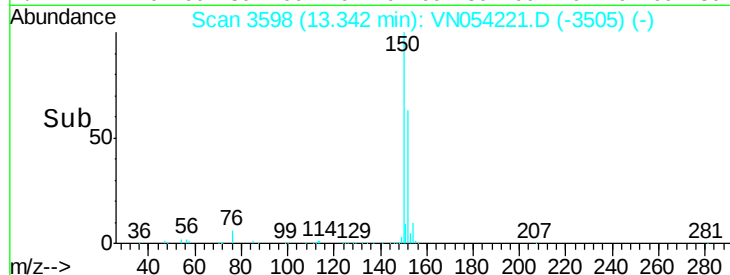
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 1306462
Ion Ratio Lower Upper
152 100
115 57.6 27.2 81.6
150 157.9 0.0 349.2



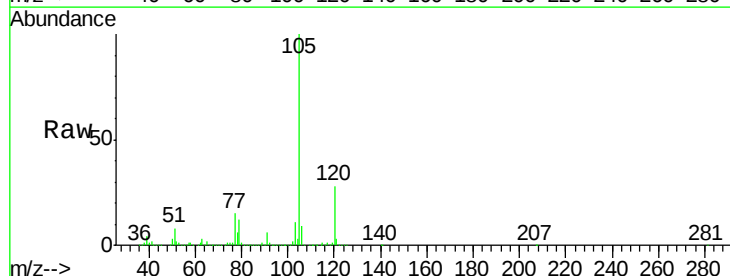
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



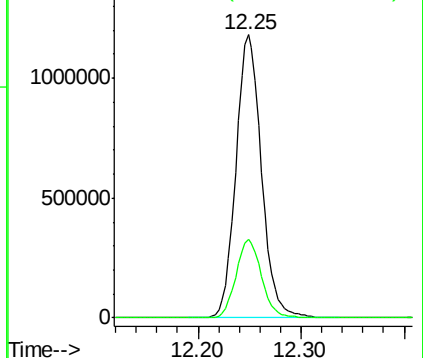
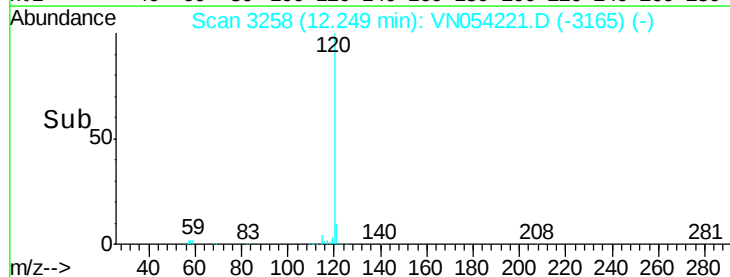
#73

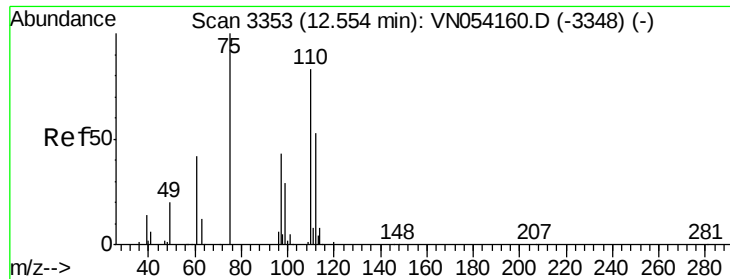
Isopropylbenzene
Concen: 19.455 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion:105 Resp: 2033569
Ion Ratio Lower Upper
105 100
120 27.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 2.492 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.13 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

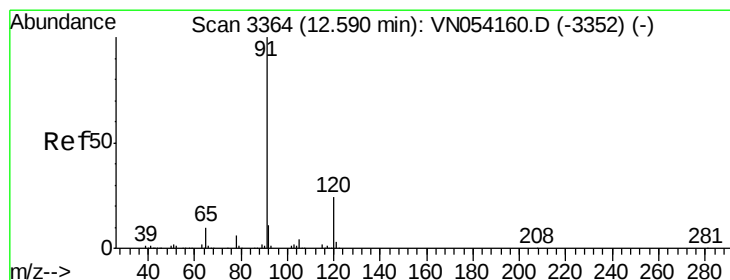
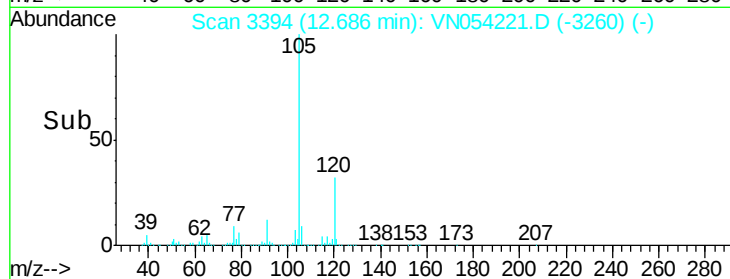
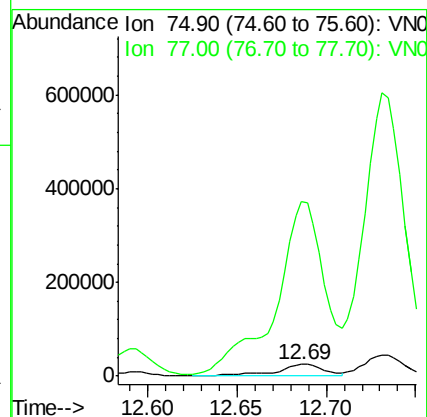
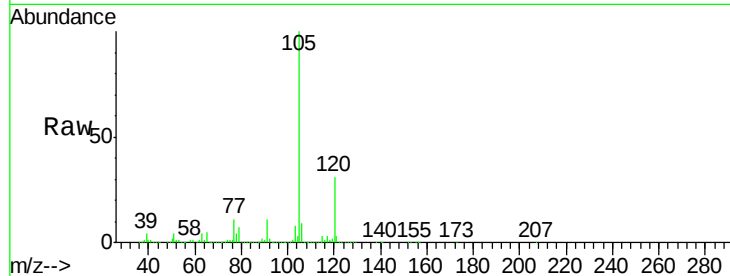
ClientSampleId :

Tot Ion: 75 Resp: 47876

Ion Ratio Lower Upper

75 100

77 1484.0 0.0 0.0#



#78

n-propylbenzene

Concen: 22.014 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054221.D

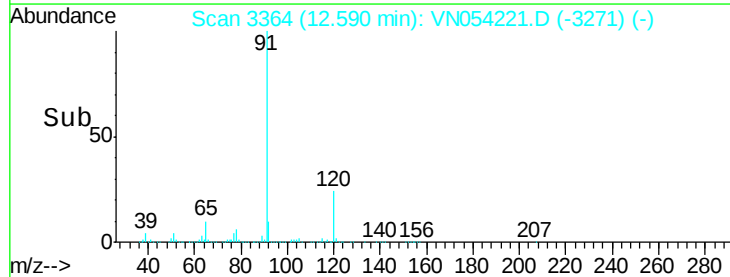
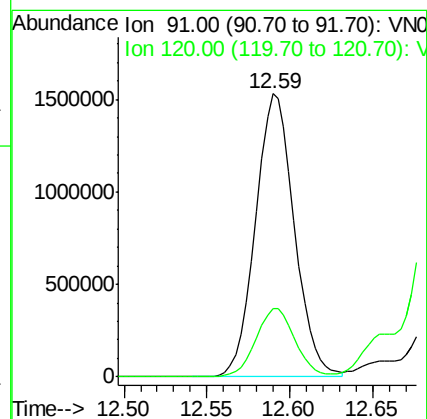
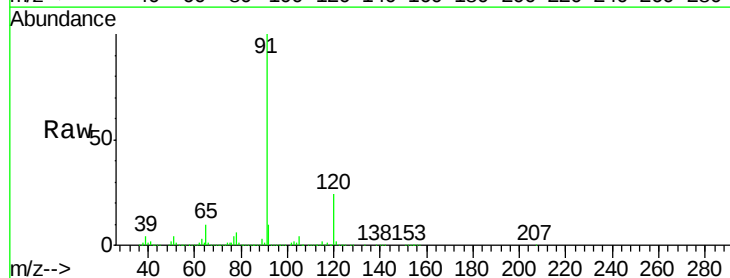
Acq: 13 Mar 2019 19:11

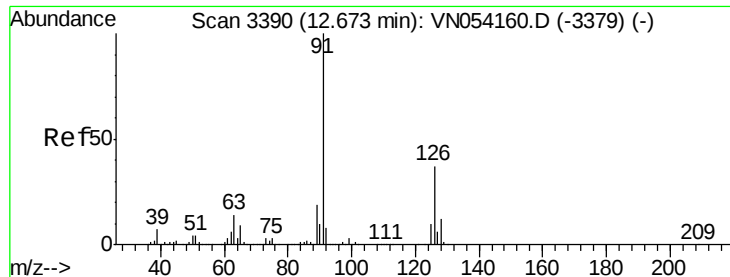
Tgt Ion: 91 Resp: 2496782

Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.9





#79

2-Chlorotoluene

Concen: 10.638 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

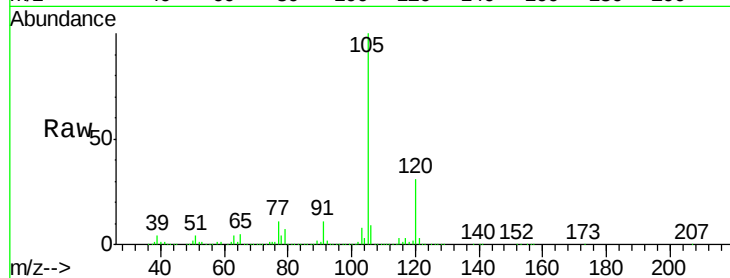
ClientSampleId :

Tot Ion: 91 Resp: 725438

Ion Ratio Lower Upper

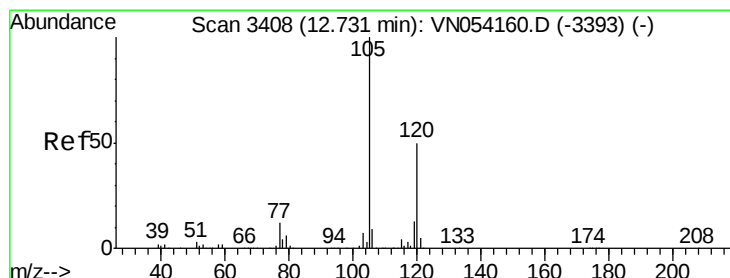
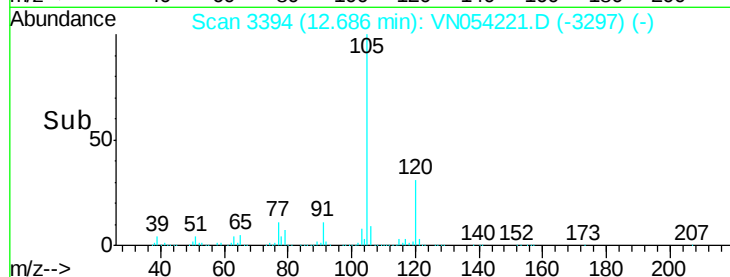
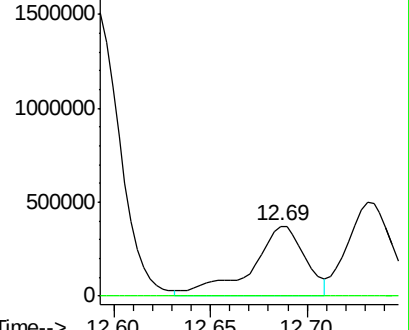
91 100

126 0.2 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 91.374 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054221.D

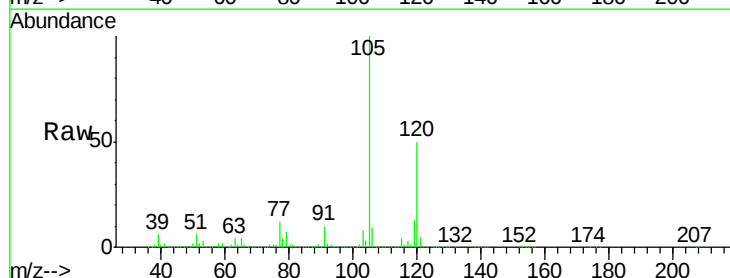
Acq: 13 Mar 2019 19:11

Tgt Ion: 105 Resp: 7944305

Ion Ratio Lower Upper

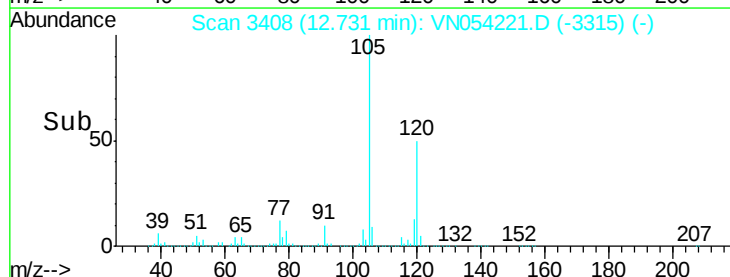
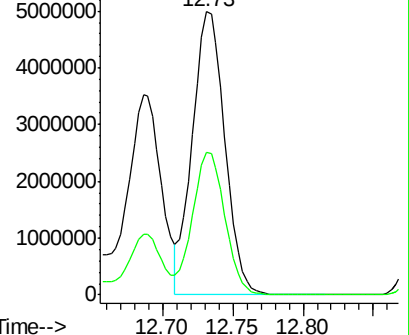
105 100

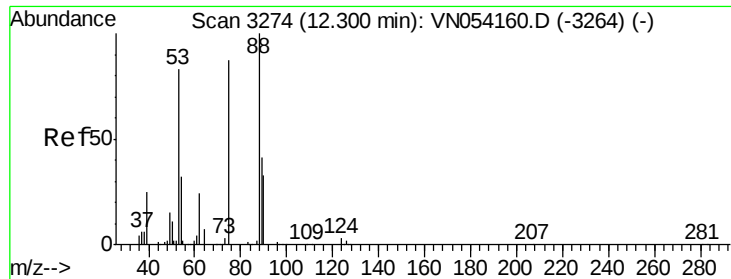
120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.842 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

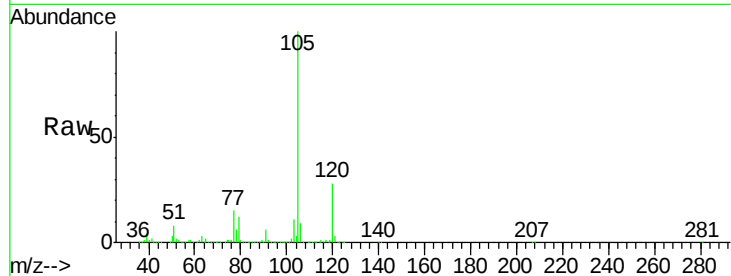
Tot Ion: 75 Resp: 21595

Ion Ratio Lower Upper

75 100

53 90.4 76.2 114.2

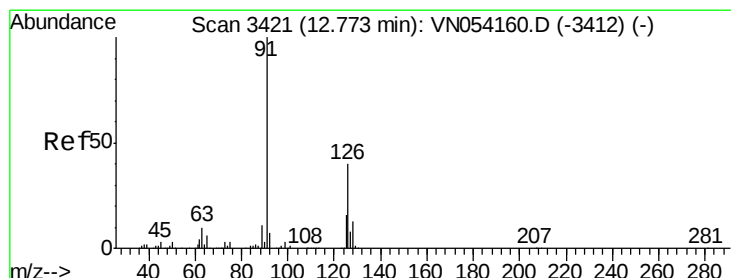
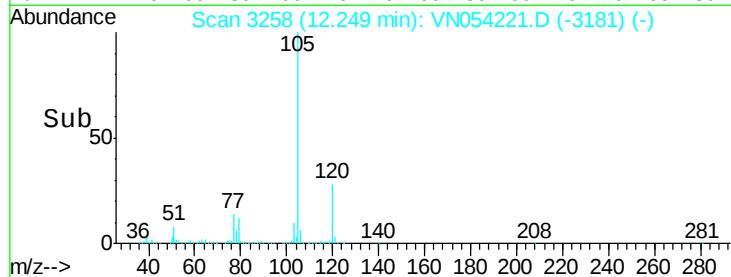
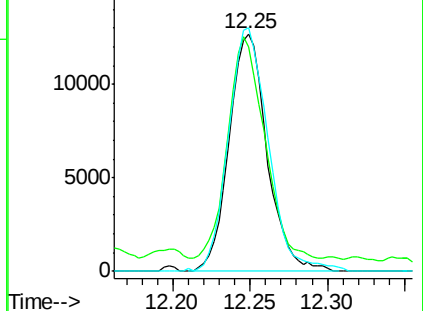
89 107.9 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 11.740 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054221.D

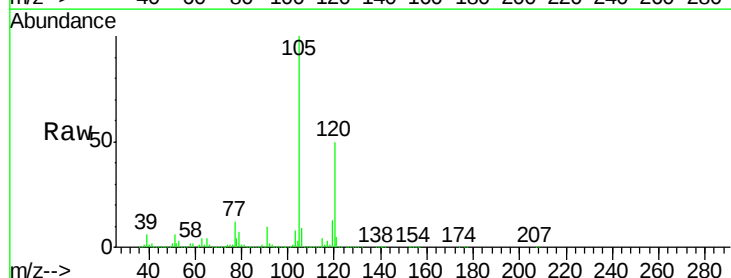
Acq: 13 Mar 2019 19:11

Tgt Ion: 91 Resp: 799426

Ion Ratio Lower Upper

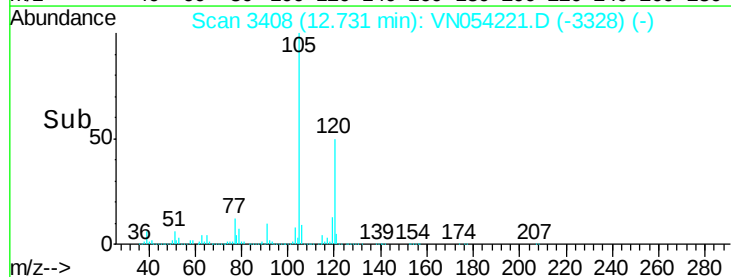
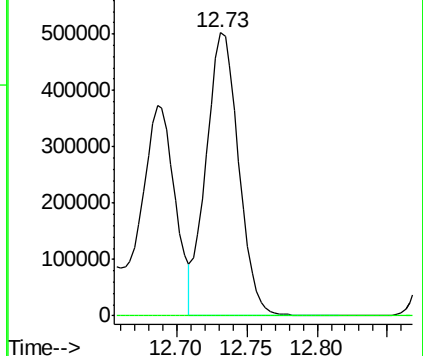
91 100

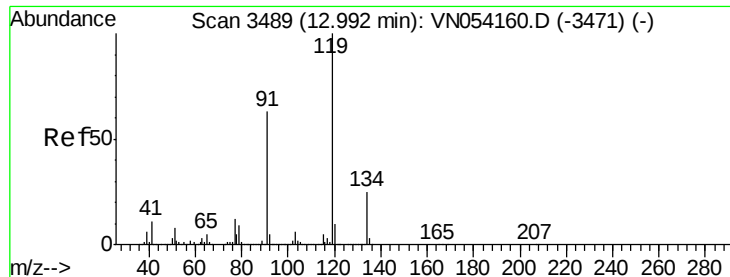
126 0.1 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 37.075 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

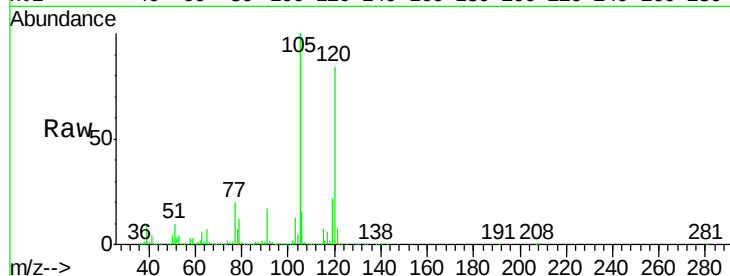
Tot Ion:119 Resp: 2966950

Ion Ratio Lower Upper

119 100

91 77.7 30.9 92.8

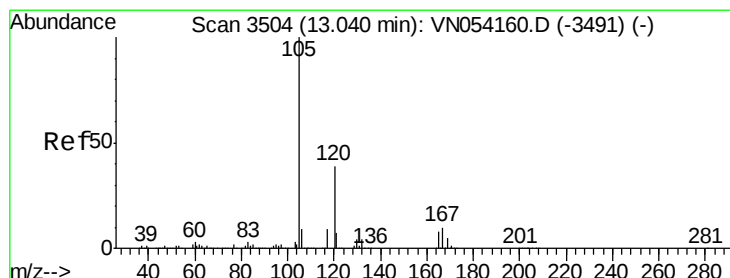
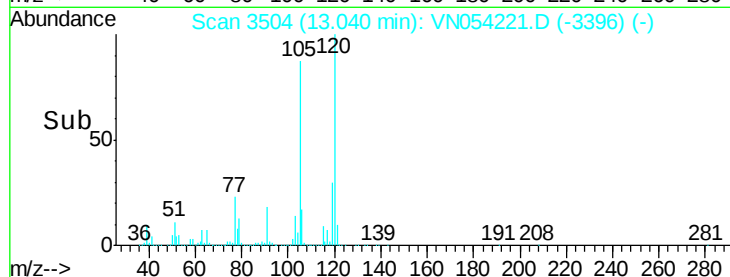
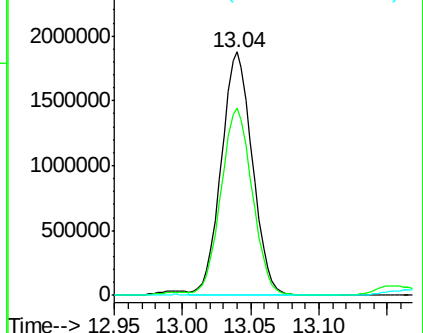
134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.808 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. -0.15 min

Lab File: VN054221.D

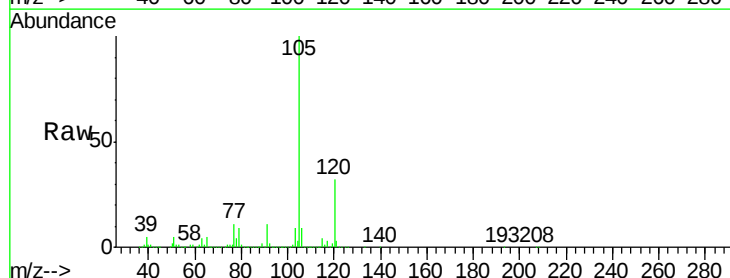
Acq: 13 Mar 2019 19:11

Tgt Ion:105 Resp: 4504262

Ion Ratio Lower Upper

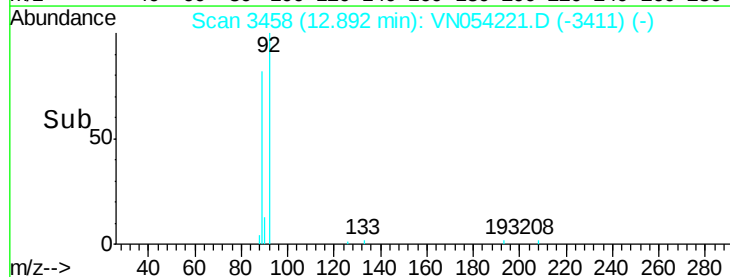
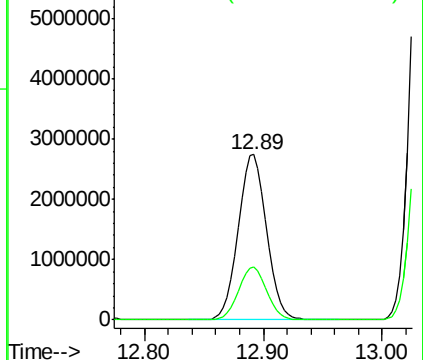
105 100

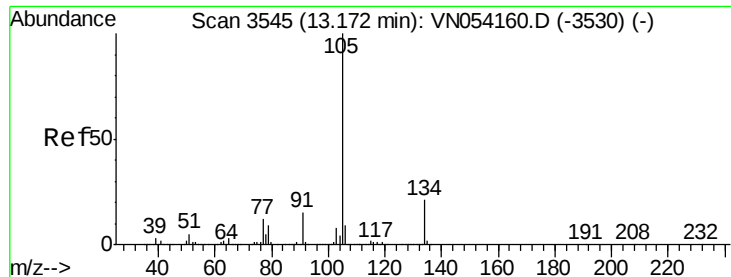
120 31.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.255 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

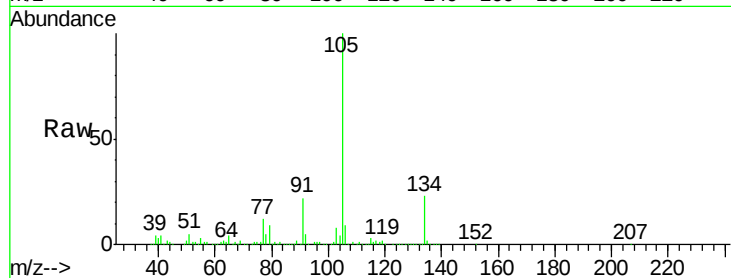
ClientSampleId :

Tot Ion:105 Resp: 337859

Ion Ratio Lower Upper

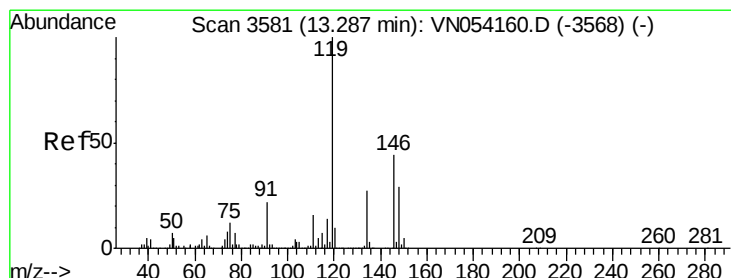
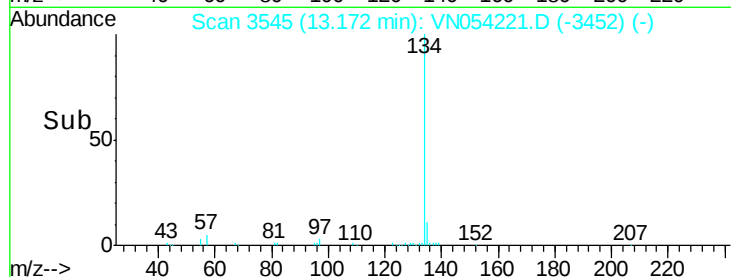
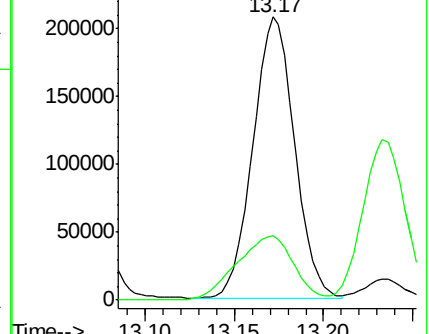
105 100

134 31.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 7.181 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

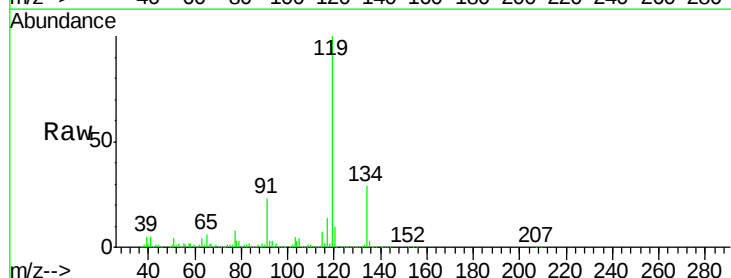
Tgt Ion:119 Resp: 653806

Ion Ratio Lower Upper

119 100

134 29.7 13.6 40.8

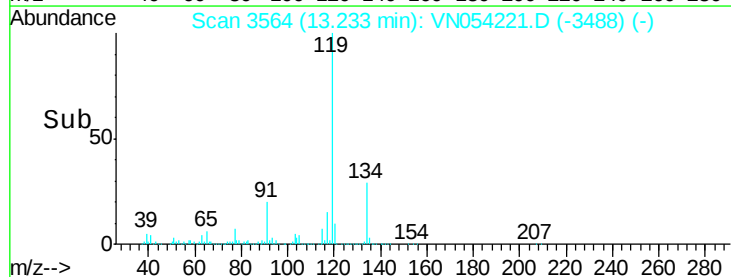
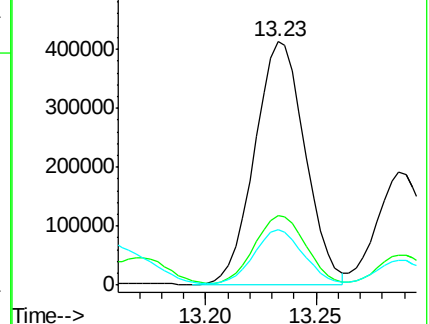
91 21.4 11.1 33.3

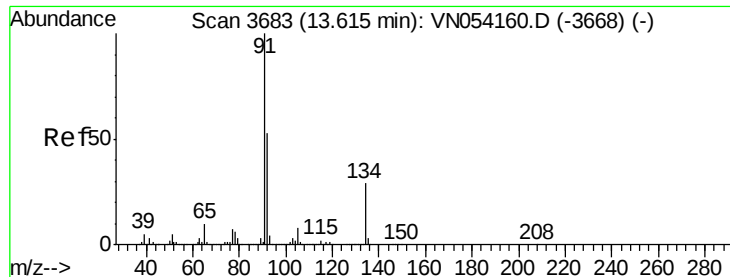


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

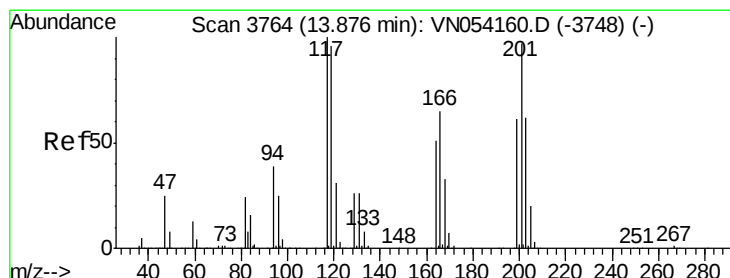
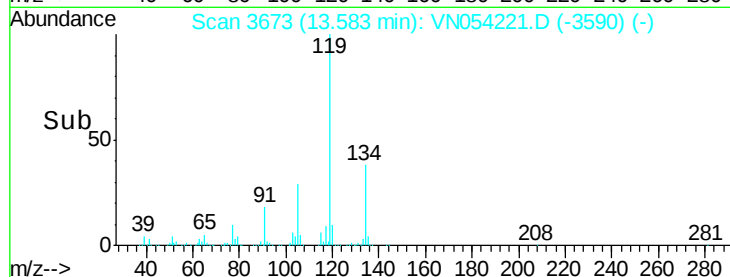
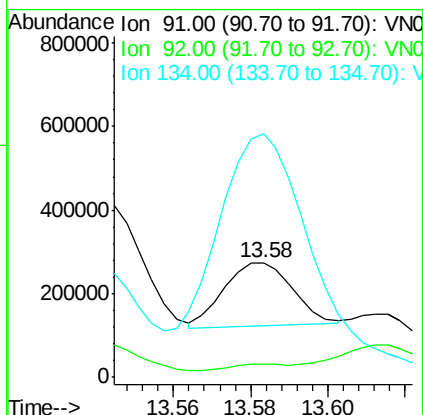
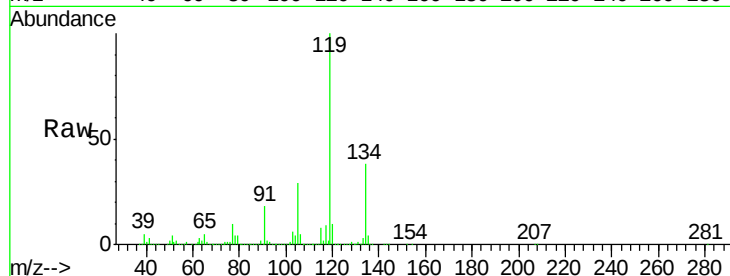




#89
n-Butylbenzene
Concen: 2.690 ug/l
RT: 13.58 min Scan# 3673
Delta R.T. -0.03 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

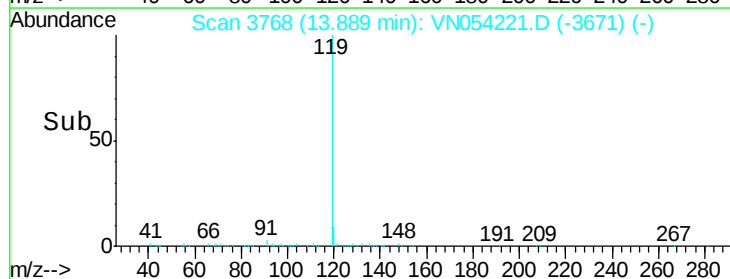
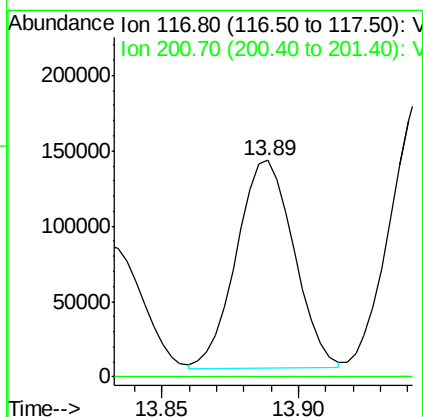
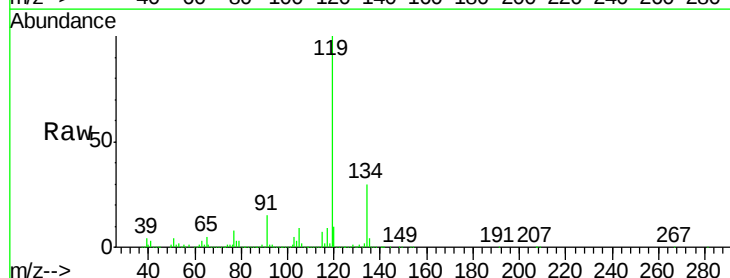
Instrument :
MSVOA_N
ClientSampleId :

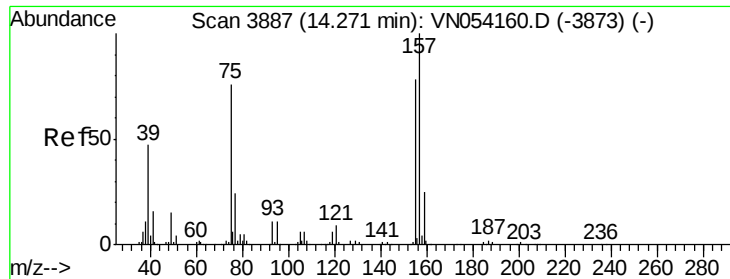
Tot Ion: 91 Resp: 186123
Ion Ratio Lower Upper
91 100
92 15.7 26.2 78.6#
134 560.7 14.3 42.9#



#90
Hexachloroethane
Concen: 13.413 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion: 117 Resp: 202214
Ion Ratio Lower Upper
117 100
201 0.0 48.1 144.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.690 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

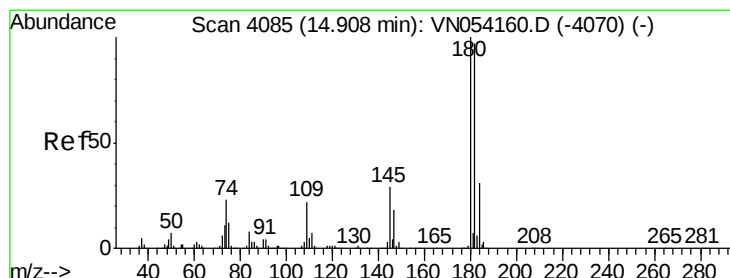
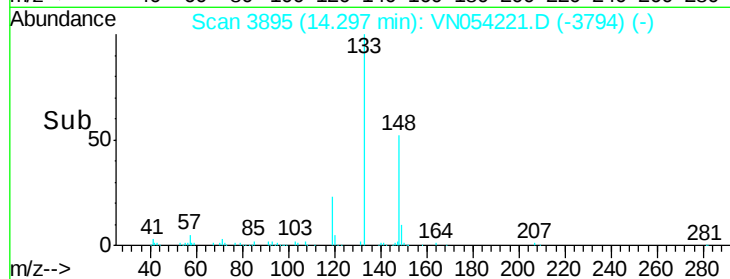
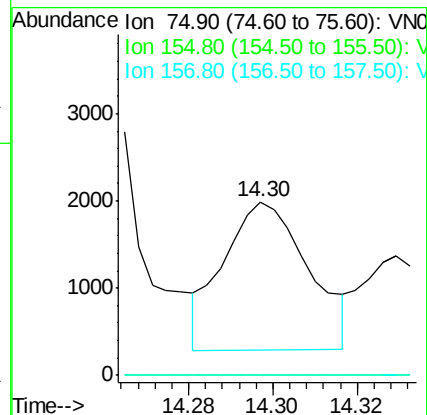
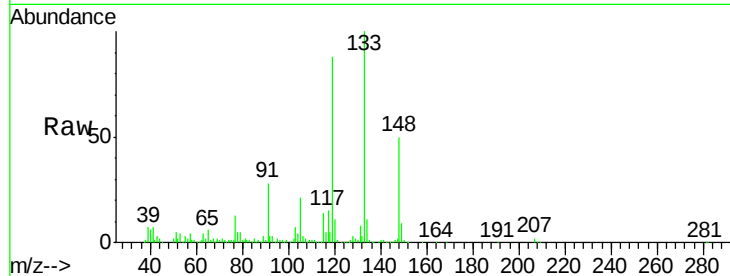
Tot Ion: 75 Resp: 2377

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 0.0 63.1 189.3#



#93

1,2,4-Trichlorobenzene

Concen: 2.596 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

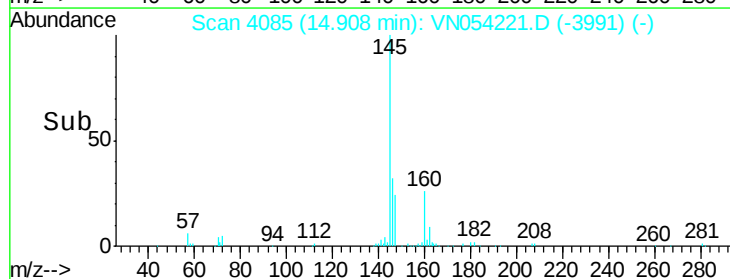
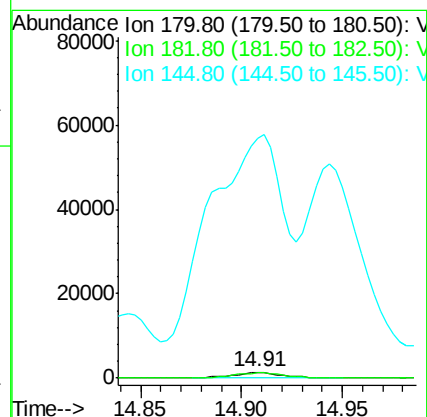
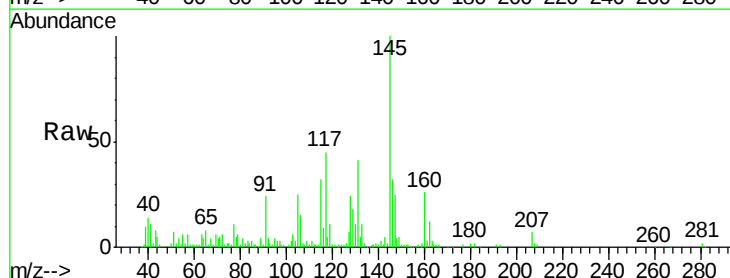
Tgt Ion: 180 Resp: 2295

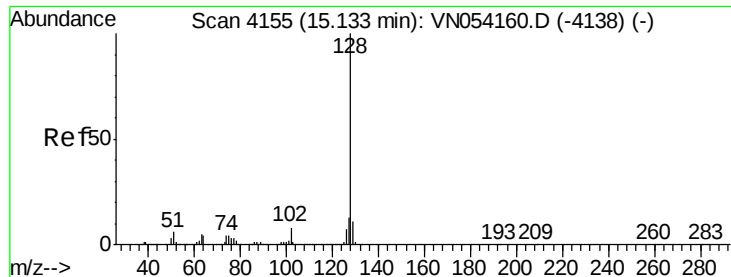
Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.2

145 6038.9 14.2 42.8#

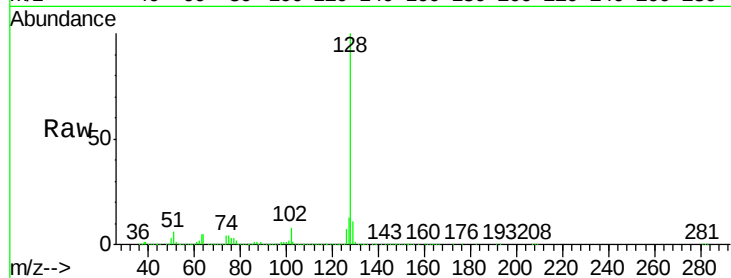




#95
Naphthalene
Concen: 105.092 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 6257349
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 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

