

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054386.D
 Acq On : 18 Mar 2019 11:42
 Operator : JC/SP
 Sample : K1960-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:09:25 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	1919207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2705515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2237750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	898853	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	920513	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
35) Dibromofluoromethane	7.59	113	816370	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.09	98	3079083	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	938178	41.61	ug/l	0.00
Spiked Amount			Recovery	=	83.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4040	0.229	ug/l	91
10) Methyl Iodide	3.93	142	59	1.499	ug/l #	45
11) Tert butyl alcohol	4.80	59	552	0.395	ug/l #	70
13) Acrolein	3.61	56	438	0.331	ug/l #	73
16) Acetone	3.82	43	1555531	266.548	ug/l	99
18) Methyl Acetate	4.33	43	5242	0.444	ug/l #	70
19) Methyl tert-butyl Ether	5.05	73	137808	2.788	ug/l	93
31) Cyclohexane	7.65	56	106592	2.307	ug/l #	78
36) 1,1-Dichloropropene	7.66	75	109414	4.391	ug/l #	47
38) Carbon Tetrachloride	7.66	117	150782	5.771	ug/l #	16
39) Methylcyclohexane	9.08	83	96824	3.158	ug/l	99
48) Methyl methacrylate	9.26	41	2761	0.217	ug/l #	37
53) t-1,3-Dichloropropene	10.50	75	67	1.988	ug/l #	63
55) 1,1,2-Trichloroethane	10.53	97	13139	0.796	ug/l #	20
56) Ethyl methacrylate	10.43	69	6880	0.350	ug/l #	26
67) Ethyl Benzene	11.51	91	26482	0.325	ug/l	99
68) m/p-Xylenes	11.62	106	48179	1.513	ug/l	91
69) o-Xylene	11.95	106	21171	0.682	ug/l	96
71) Bromoform	12.40	173	5759	2.754	ug/l #	1
73) Isopropylbenzene	12.25	105	653648	9.089	ug/l	100
76) 1,2,3-Trichloropropane	12.40	75	443761	33.572	ug/l #	100
78) n-propylbenzene	12.59	91	675235	8.653	ug/l	99
79) 2-Chlorotoluene	12.59	91	675235	14.392	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	12977	0.217	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	443761	114.765	ug/l #	11
82) 4-Chlorotoluene	12.59	91	675235	14.413	ug/l #	39
83) tert-Butylbenzene	12.99	119	101743	1.848	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	84191	1.435	ug/l	100
85) sec-Butylbenzene	13.17	105	457792	6.411	ug/l	82
86) p-Isopropyltoluene	13.44	119	279507	4.462	ug/l	98
89) n-Butylbenzene	13.62	91	88315	1.856	ug/l #	65
90) Hexachloroethane	13.89	117	190515	18.367	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.21	75	10455	4.410	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	594	2.546	ug/l #	87

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QLast Update : Wed Mar 13 03:33:31 2019
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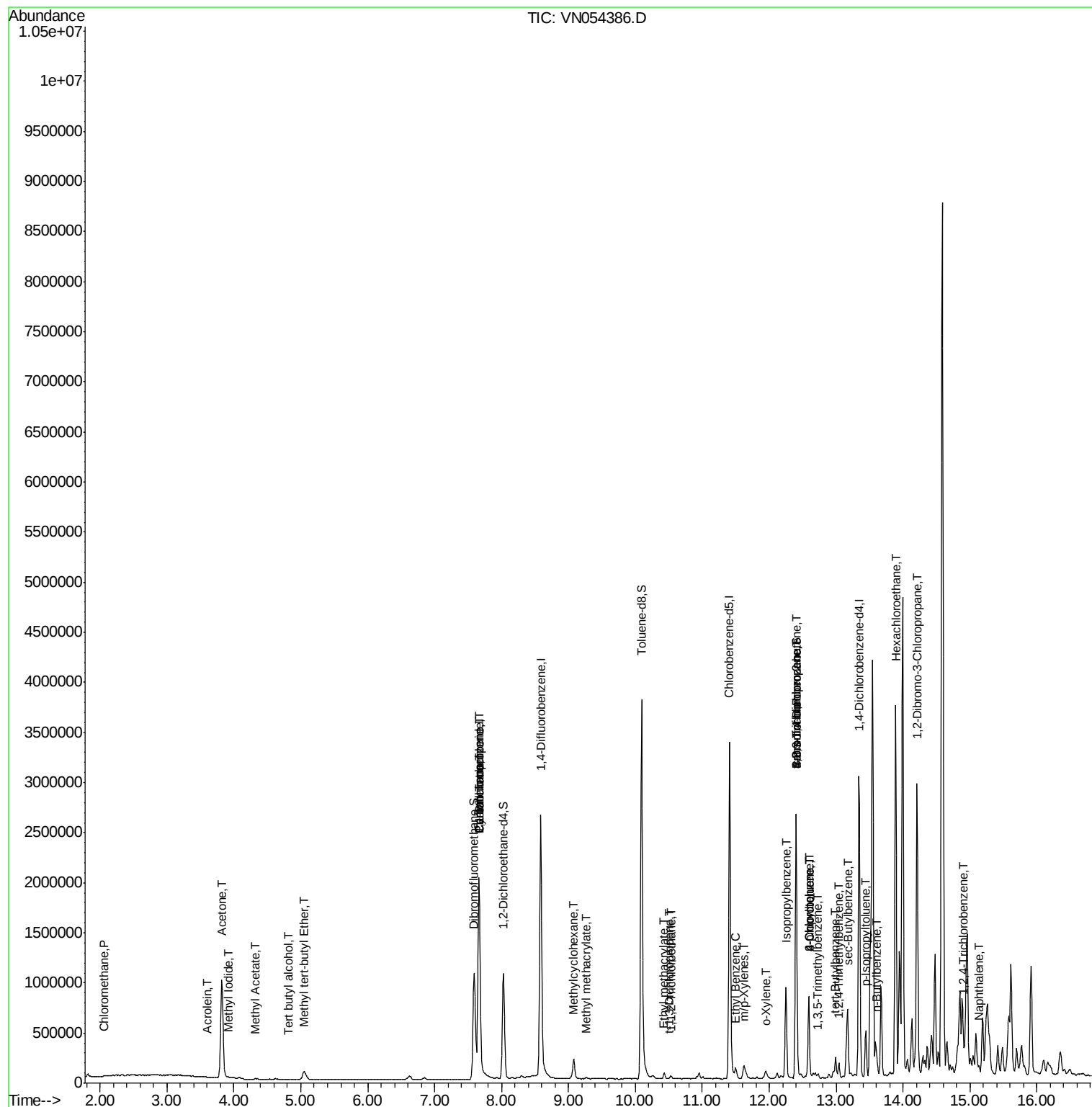
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	57485	4.827	ug/l	97

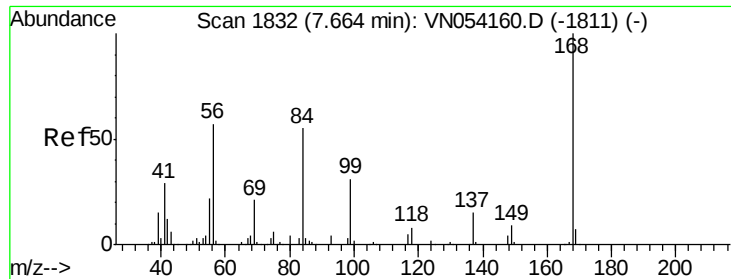
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

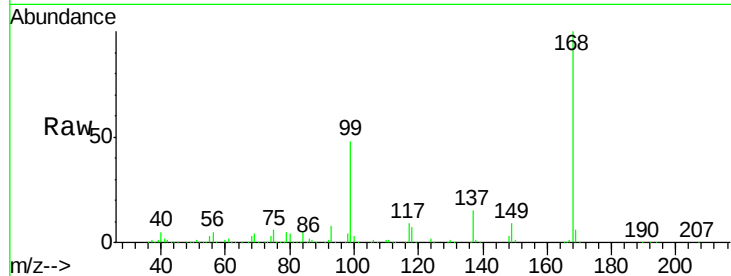
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1919207

Ion Ratio Lower Upper

168 100

99 47.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

800000

600000

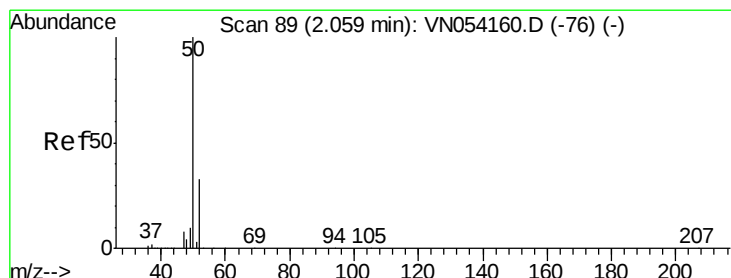
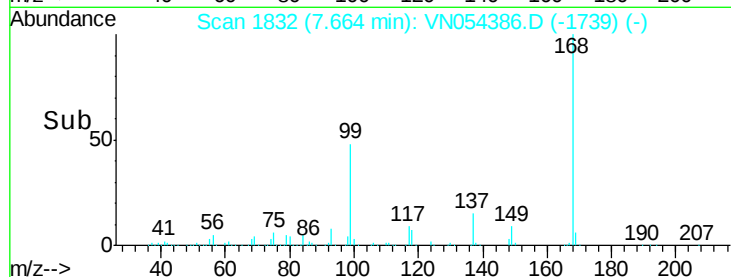
400000

200000

0

7.60 7.65 7.70 7.75 7.80 7.85 7.90 7.95 8.00

Time-->



#3

Chloromethane

Concen: 0.229 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054386.D

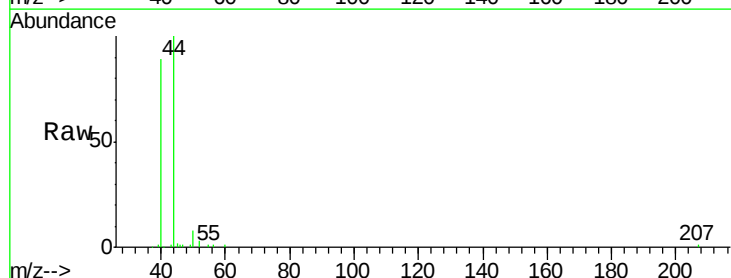
Acq: 18 Mar 2019 11:42

Tgt Ion: 50 Resp: 4040

Ion Ratio Lower Upper

50 100

52 37.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

1500

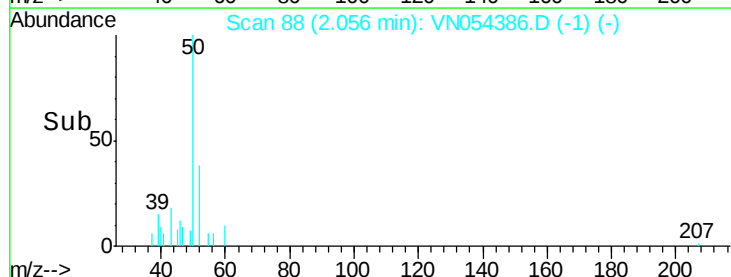
1000

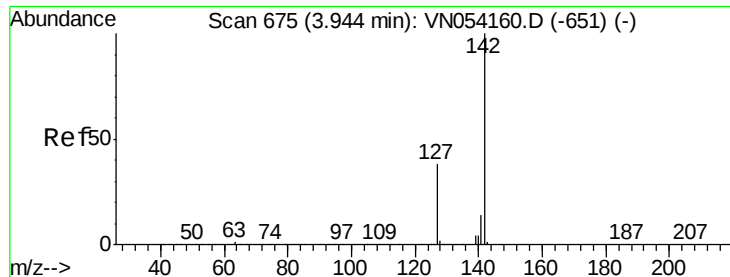
500

0

2.00 2.05 2.10

Time-->

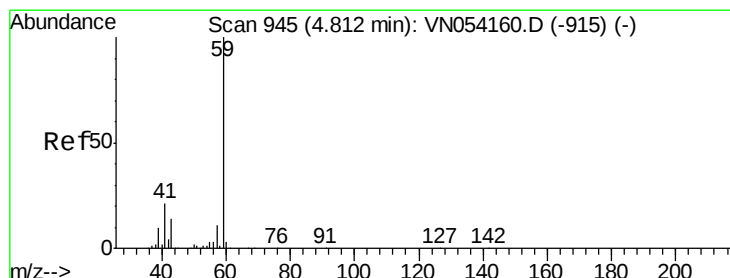
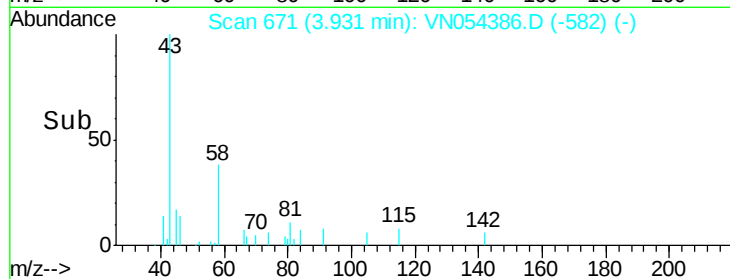
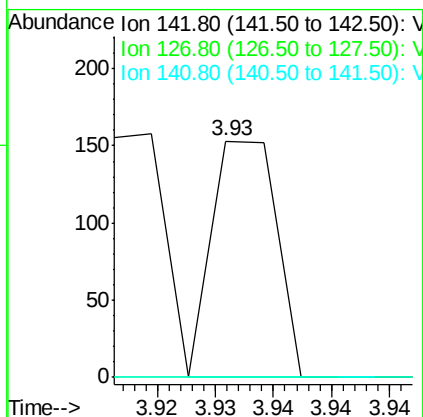
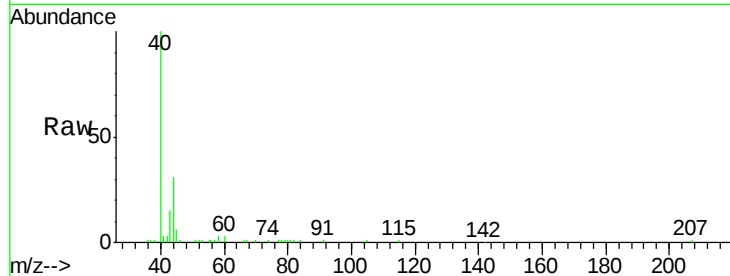




#10
Methvl Iodide
Concen: 1.499 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.01 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

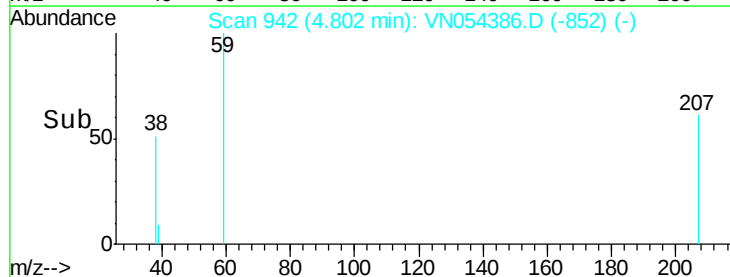
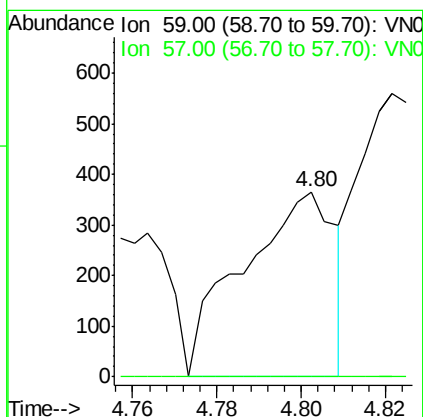
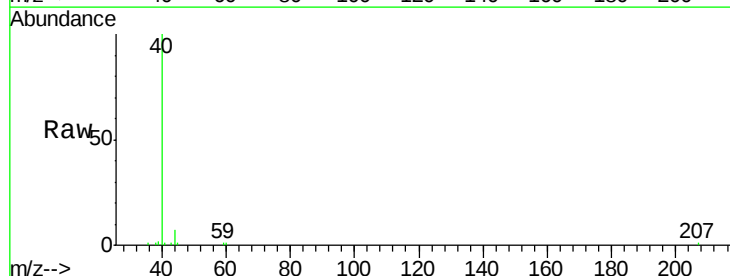
Instrument :
MSVOA_N
ClientSampleId :

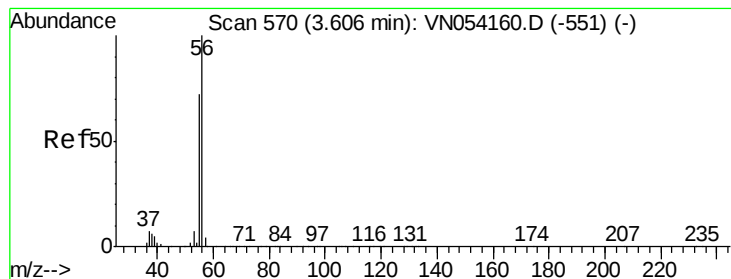
Tot Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.395 ug/l
RT: 4.80 min Scan# 942
Delta R.T. -0.01 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 59 Resp: 552
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#





#13

Acrolein

Concen: 0.331 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

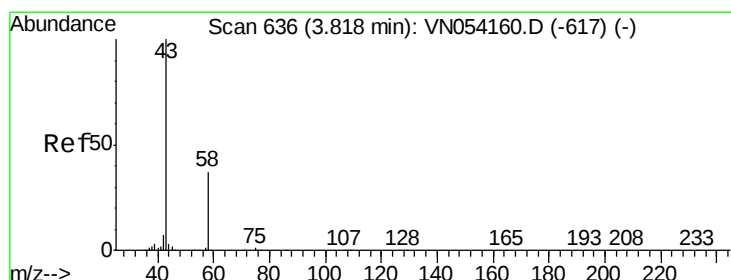
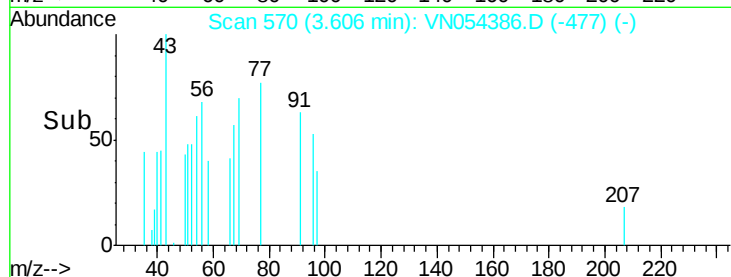
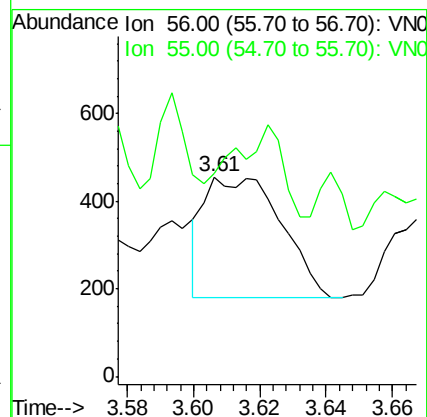
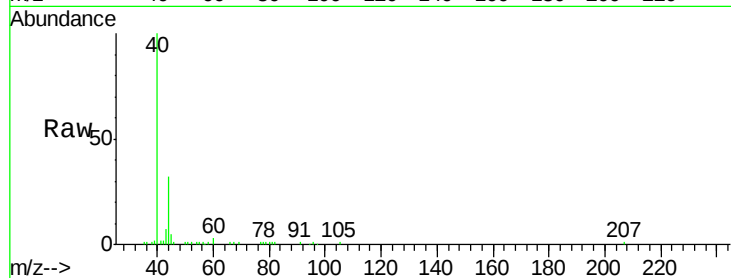
ClientSampled :

Tot Ion: 56 Resp: 438

Ion Ratio Lower Upper

56 100

55 48.4 56.7 85.1#



#16

Acetone

Concen: 266.548 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054386.D

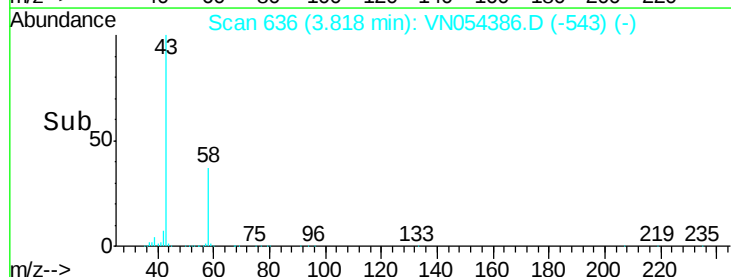
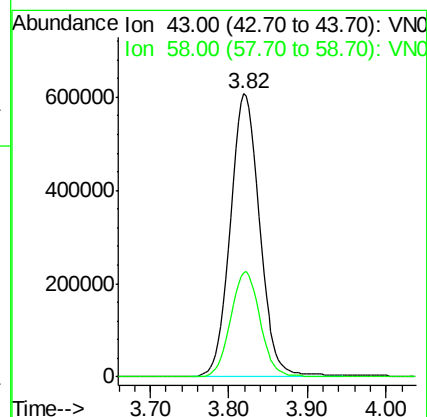
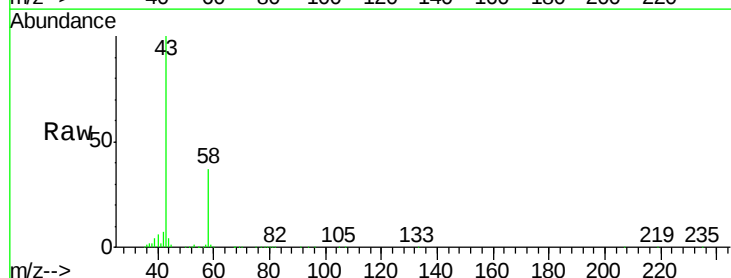
Acq: 18 Mar 2019 11:42

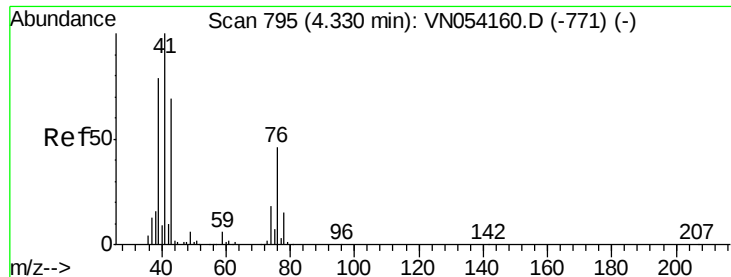
Tgt Ion: 43 Resp: 1555531

Ion Ratio Lower Upper

43 100

58 37.0 29.9 44.9

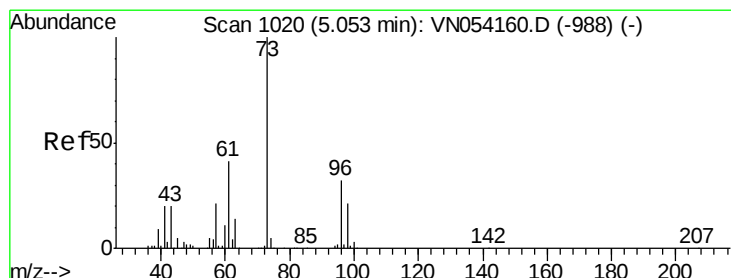
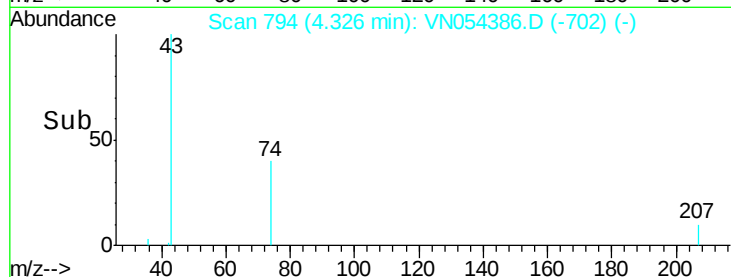
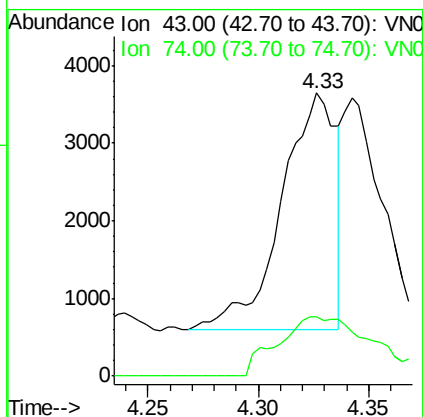
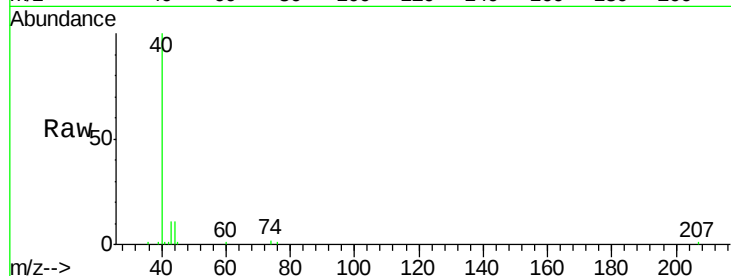




#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

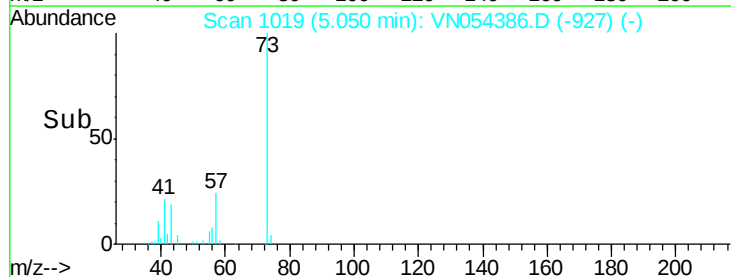
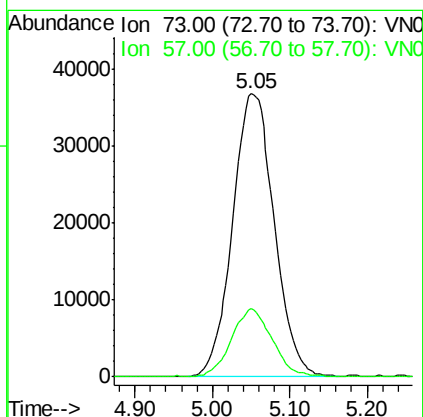
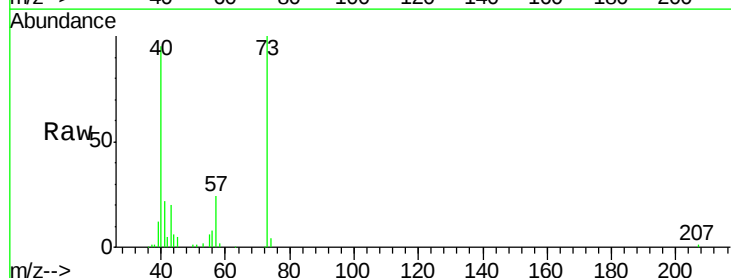
Instrument :
MSVOA_N
ClientSampled :

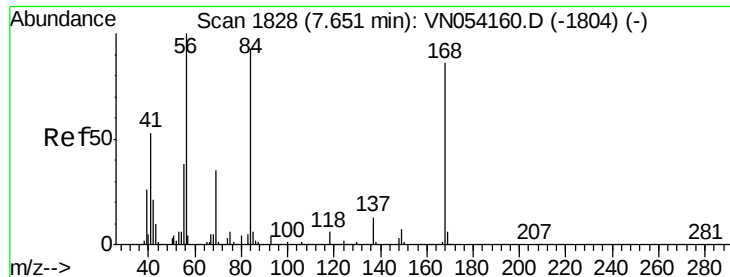
Tot Ion: 43 Resp: 5242
Ion Ratio Lower Upper
43 100
74 41.5 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 2.788 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 73 Resp: 137808
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2

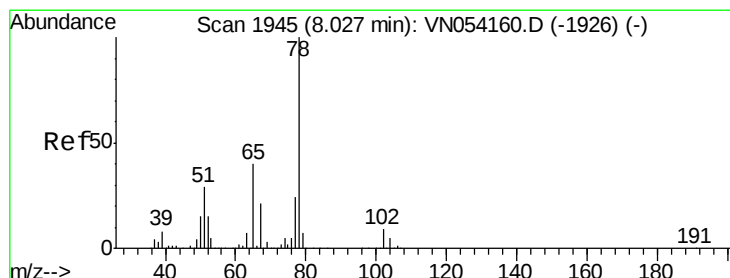
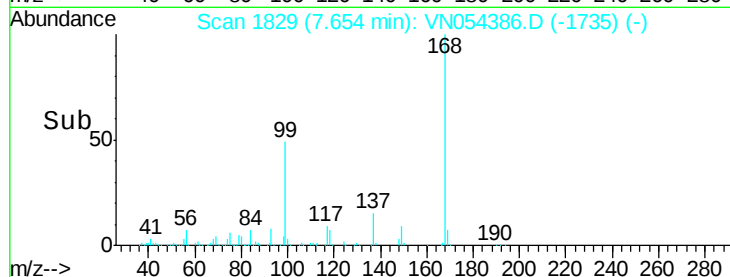
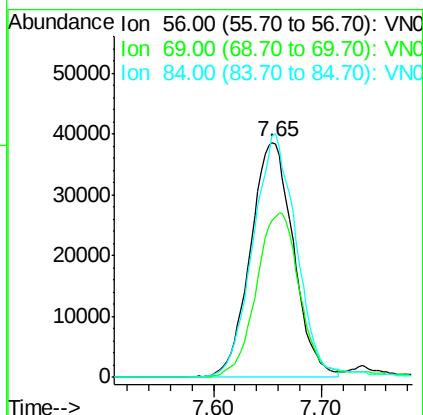
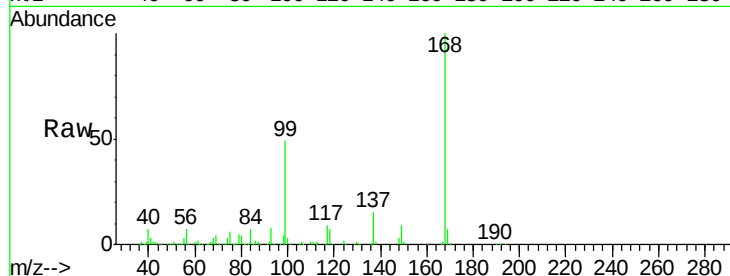




#31
Cyclohexane
Concen: 2.307 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

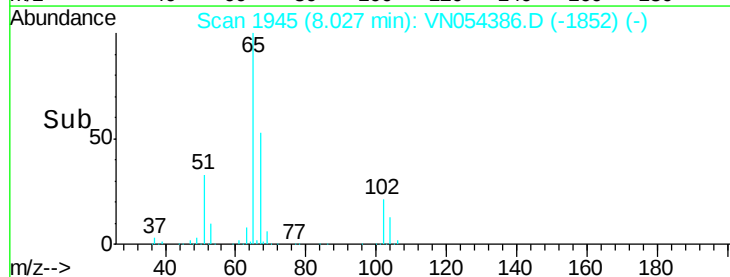
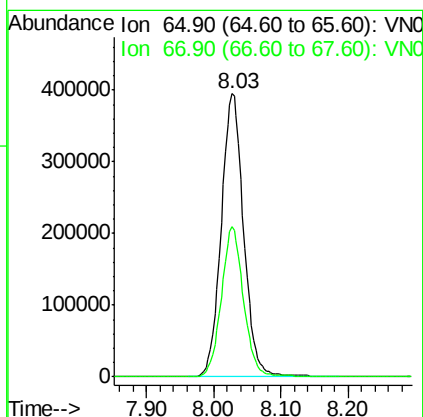
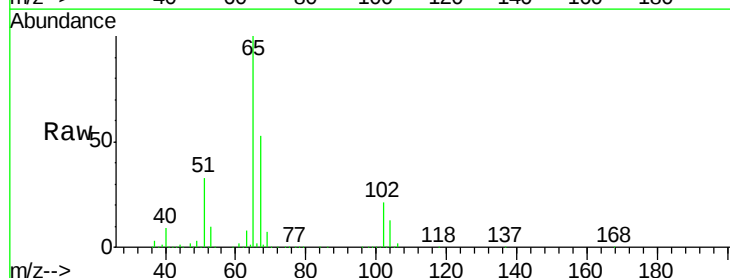
Instrument :
MSVOA_N
ClientSampled :

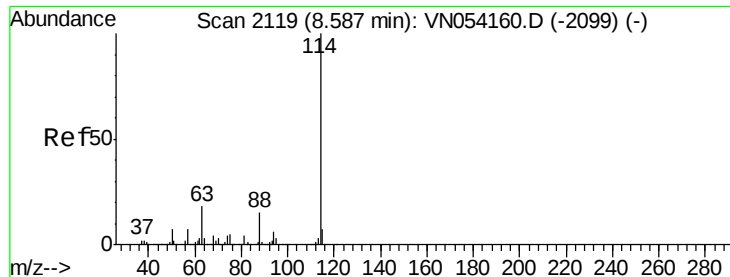
Tot Ion: 56 Resp: 106592
Ion Ratio Lower Upper
56 100
69 66.4 27.8 41.6#
84 102.6 74.6 111.8



#33
1,2-Dichloroethane-d4
Concen: 45.163 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 65 Resp: 920513
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

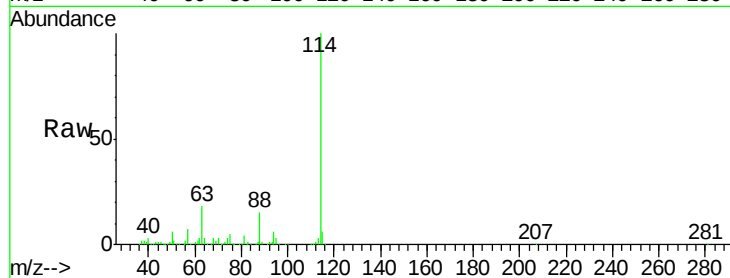




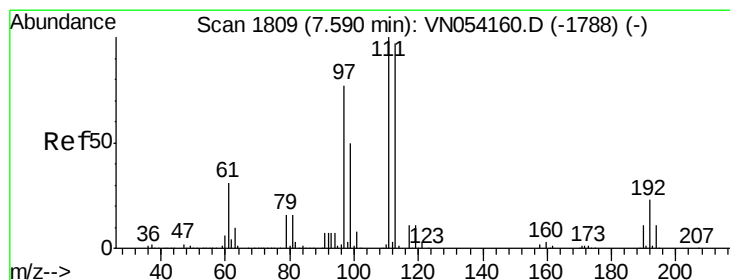
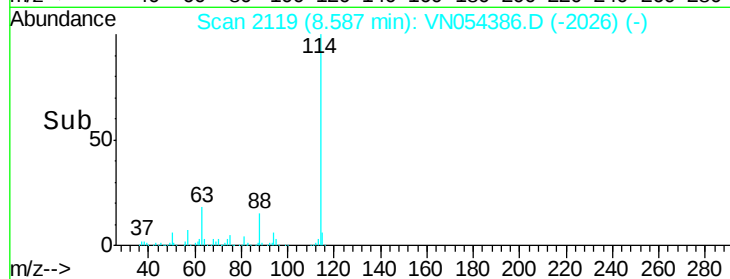
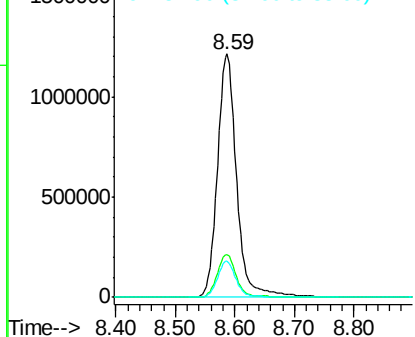
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054386.D
 Acq: 18 Mar 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2705515
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.7 0.0 30.2

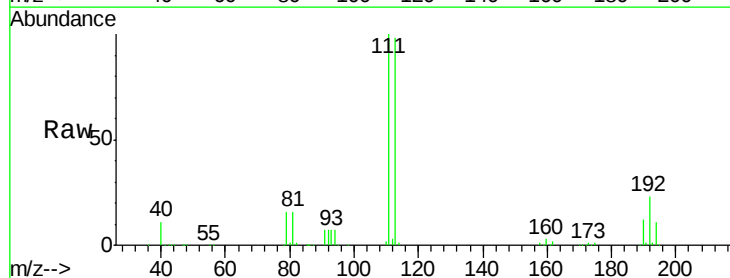


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

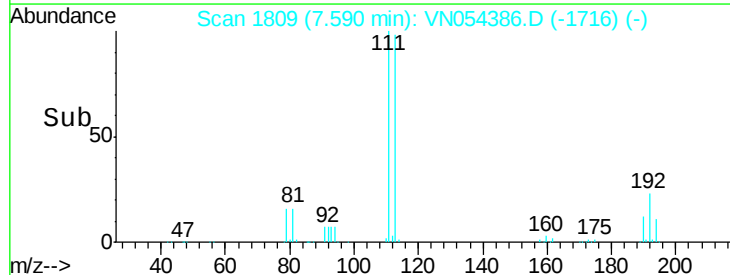
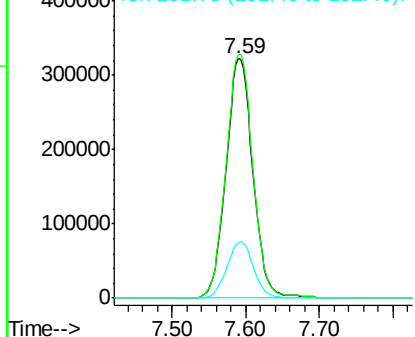


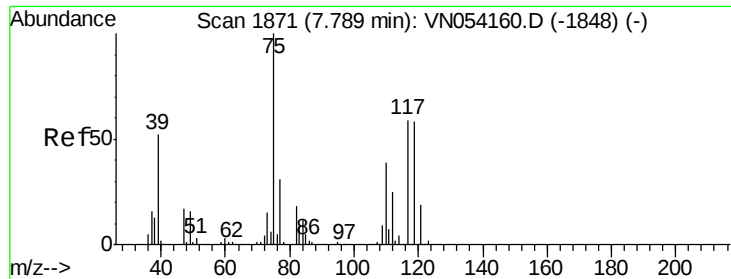
#35
 Dibromofluoromethane
 Concen: 46.785 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054386.D
 Acq: 18 Mar 2019 11:42

Tgt Ion:113 Resp: 816370
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 23.3 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: 4.391 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :

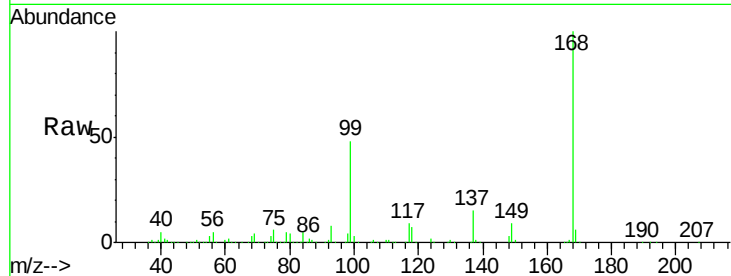
Tot Ion: 75 Resp: 109414

Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.5#

77 0.0 25.0 37.4#

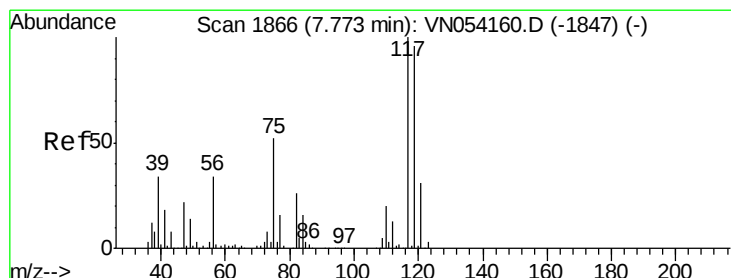
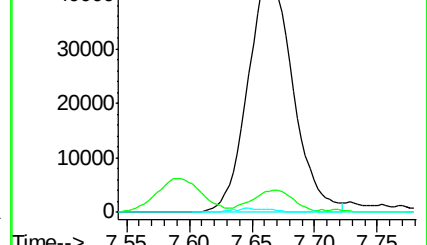
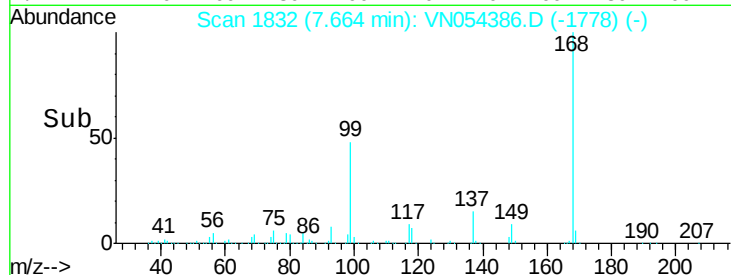


Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054160.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-1848) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.771 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

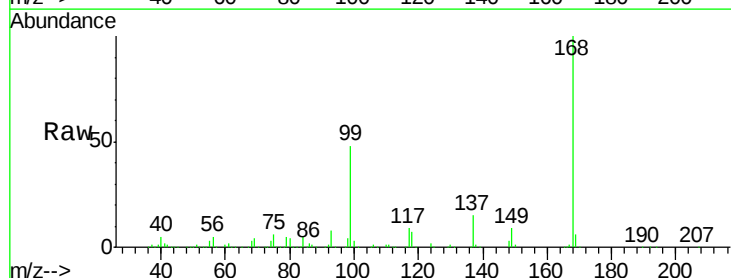
Tgt Ion: 117 Resp: 150782

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

121 0.0 24.6 36.8#

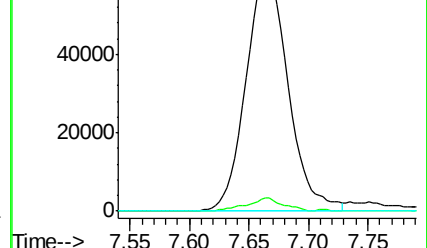
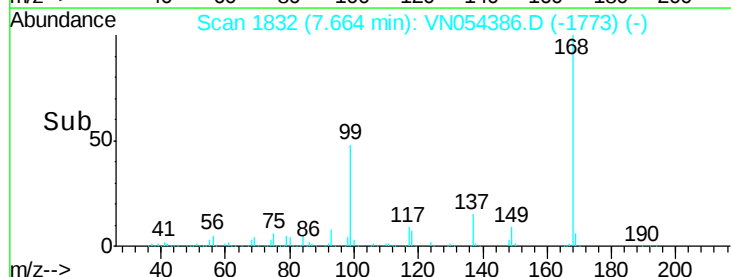


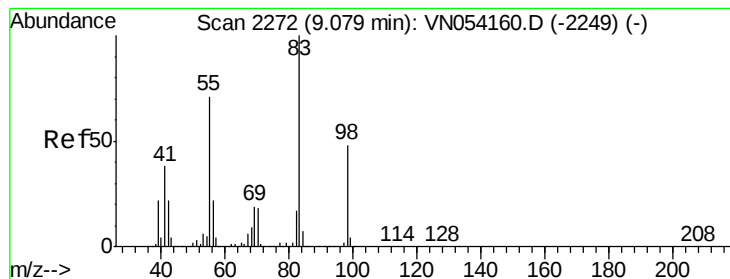
Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054160.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054160.D (-1847) (-)

Time-->





#39

Methylcyclohexane

Concen: 3.158 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :
MSVOA_N
ClientSampled :

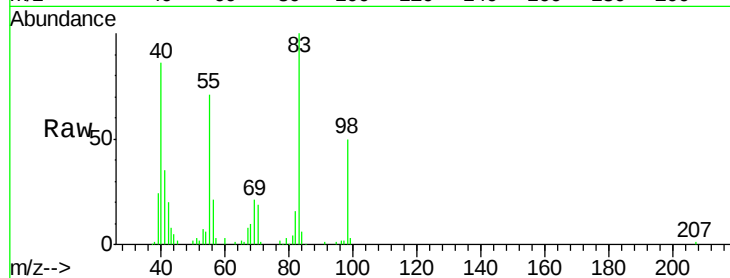
Tot Ion: 83 Resp: 96824

Ion Ratio Lower Upper

83 100

55 70.4 56.6 84.8

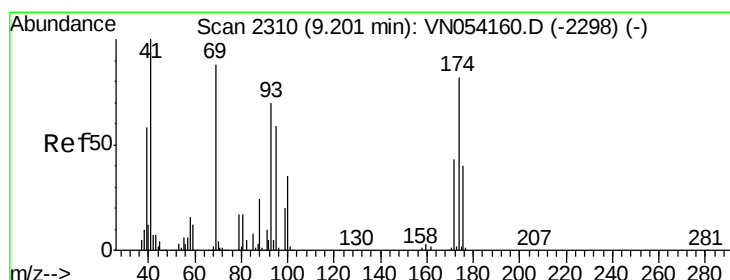
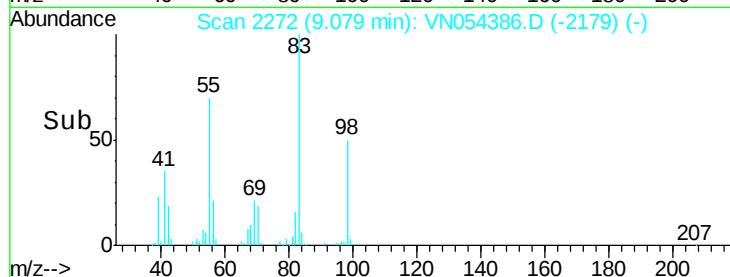
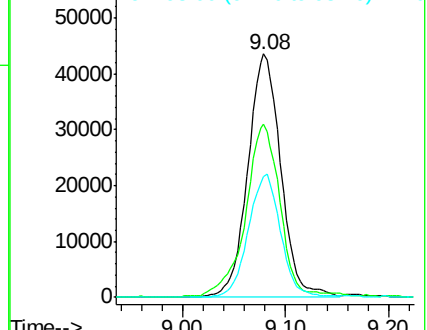
98 49.8 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN054386.D (-2272) (-)

Ion 55.00 (54.70 to 55.70): VN054386.D (-2272) (-)

Ion 98.00 (97.70 to 98.70): VN054386.D (-2272) (-)



#48

Methyl methacrylate

Concen: 0.217 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

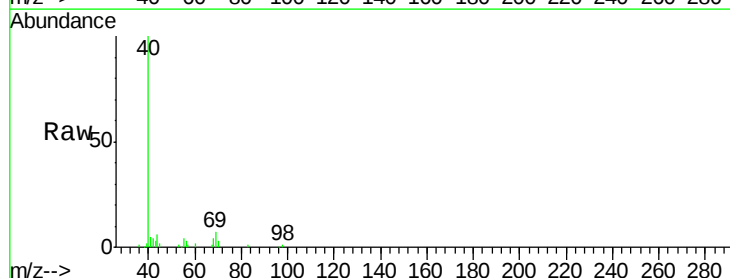
Tgt Ion: 41 Resp: 2761

Ion Ratio Lower Upper

41 100

69 176.5 72.6 108.8#

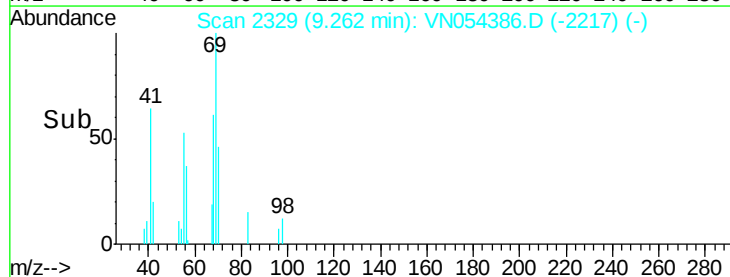
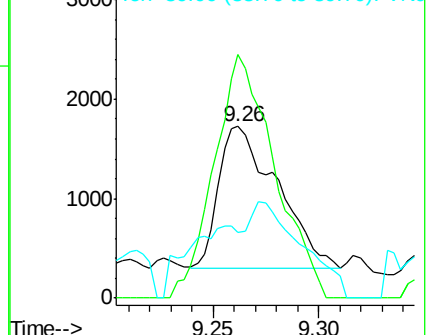
39 44.7 47.5 71.3#

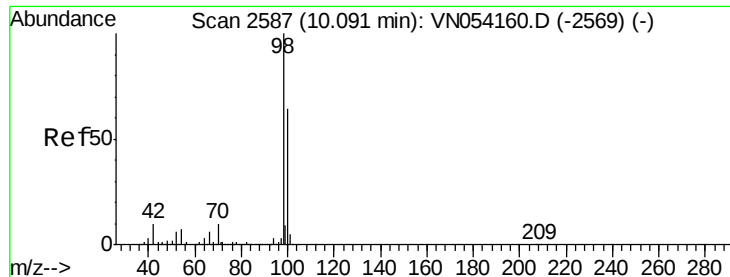


Abundance Ion 41.00 (40.70 to 41.70): VN054386.D (-2310) (-)

Ion 69.00 (68.70 to 69.70): VN054386.D (-2310) (-)

Ion 39.00 (38.70 to 39.70): VN054386.D (-2310) (-)





#50

Toluene-d8

Concen: 47.780 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

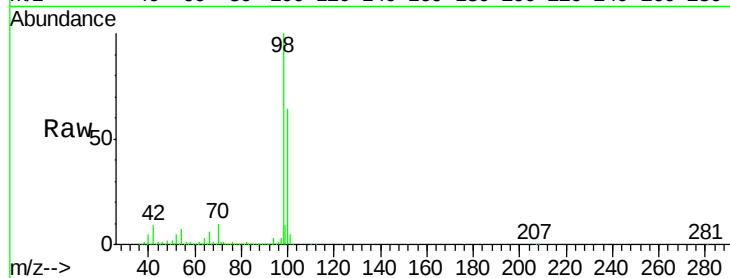
ClientSampleId :

Tot Ion: 98 Resp: 3079083

Ion Ratio Lower Upper

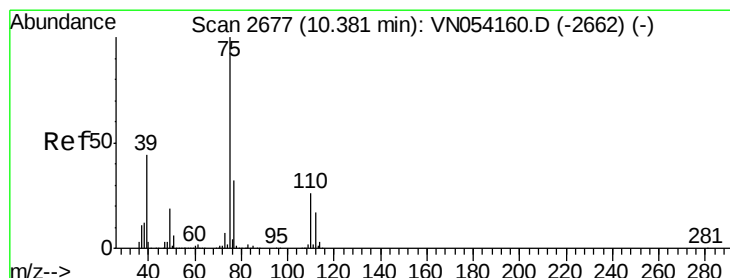
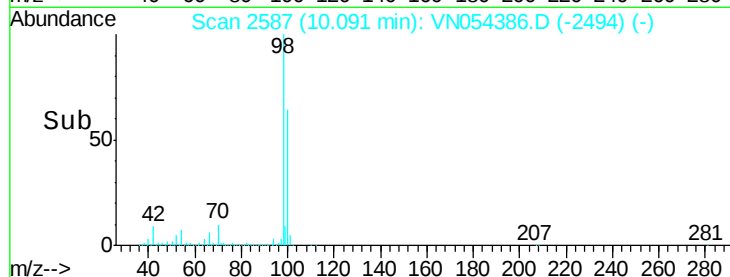
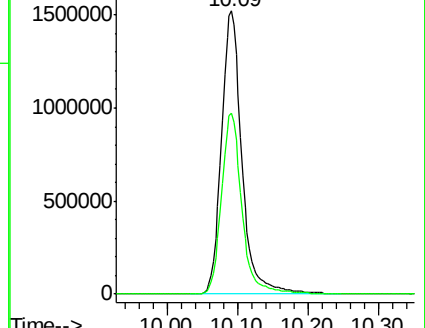
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)



#53

t-1,3-Dichloropropene

Concen: 1.988 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. 0.12 min

Lab File: VN054386.D

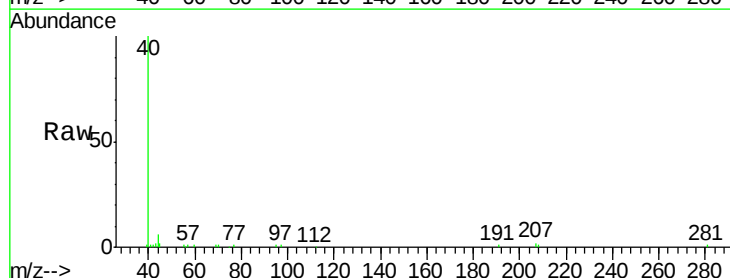
Acq: 18 Mar 2019 11:42

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

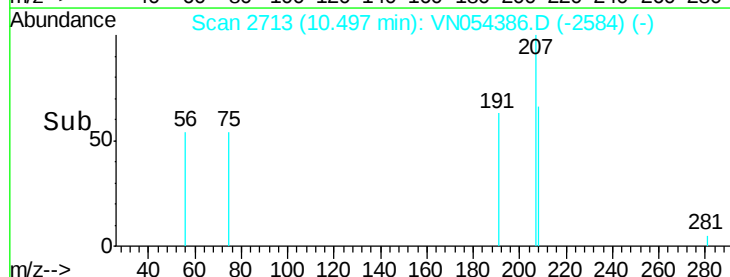
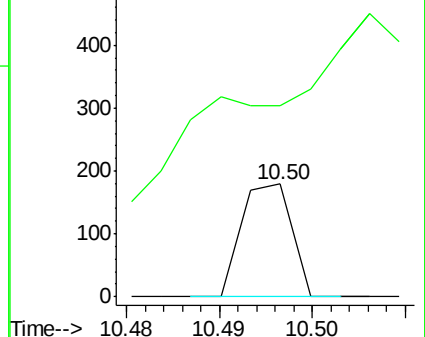
75 100

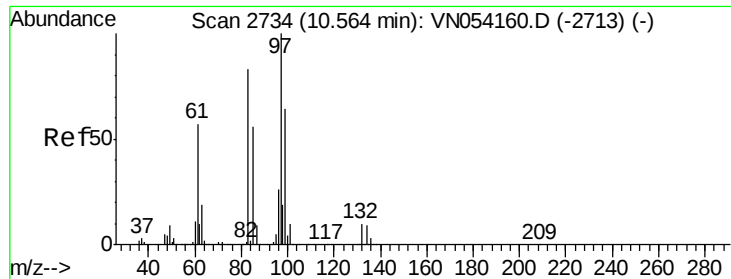
77 11.7 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-2662) (-)

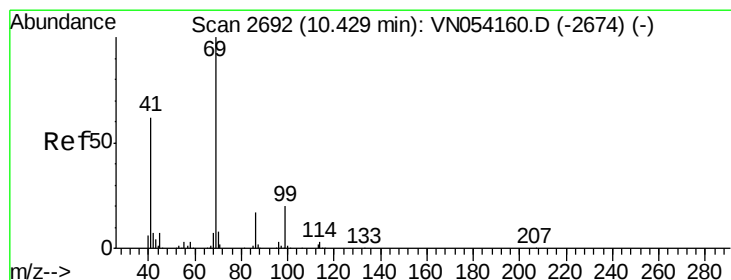
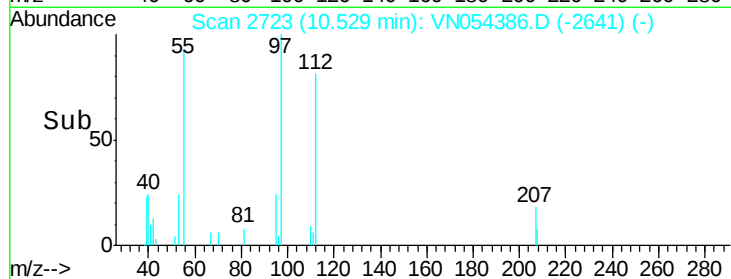
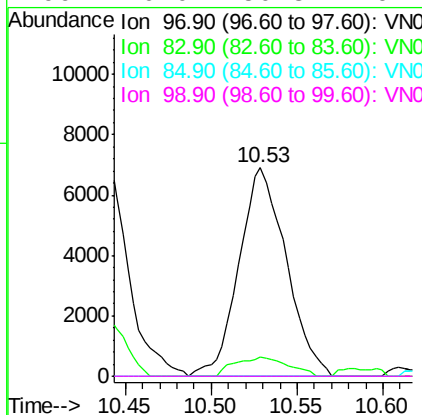
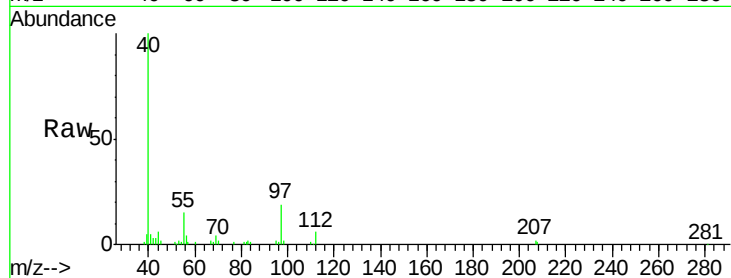




#55
 1,1,2-Trichloroethane
 Concen: 0.796 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.04 min
 Lab File: VN054386.D
 Acq: 18 Mar 2019 11:42

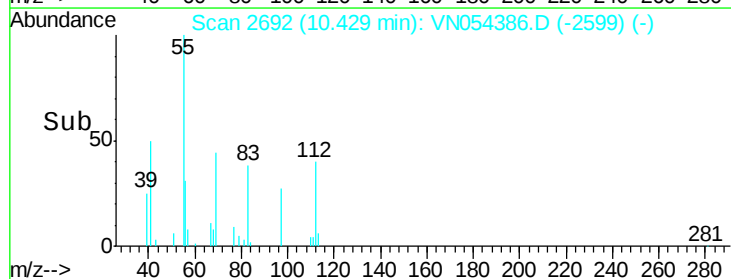
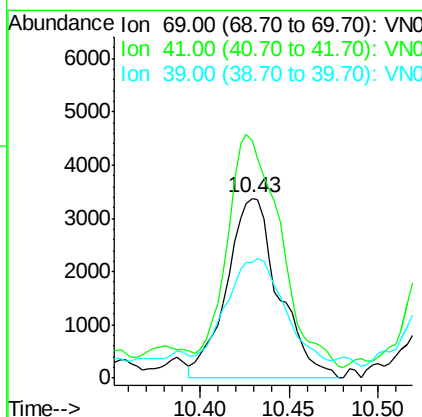
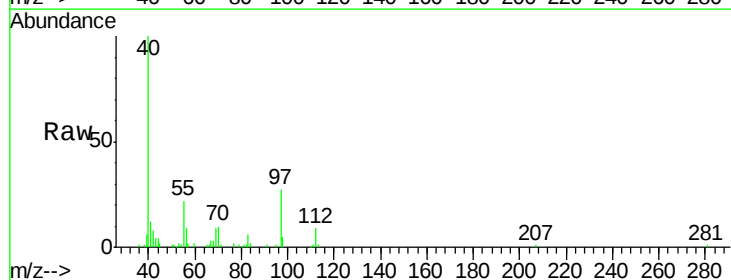
Instrument :
 MSVOA_N
 ClientSampled :

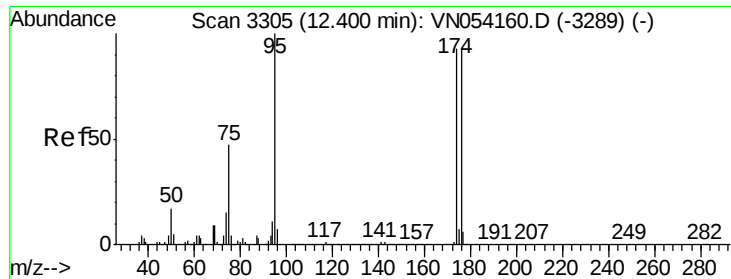
Tot Ion: 97 Resp: 13139
 Ion Ratio Lower Upper
 97 100
 83 9.0 66.6 100.0#
 85 0.0 44.4 66.6#
 99 0.0 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 0.350 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054386.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 69 Resp: 6880
 Ion Ratio Lower Upper
 69 100
 41 131.9 49.4 74.2#
 39 60.2 28.3 42.5#

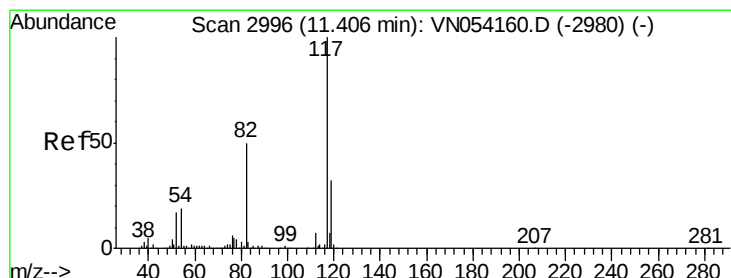
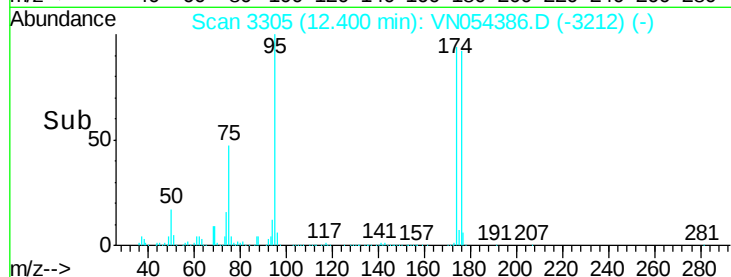
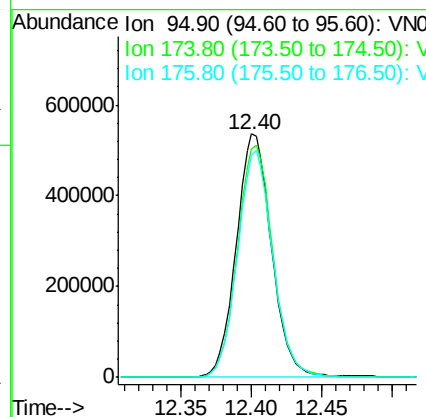
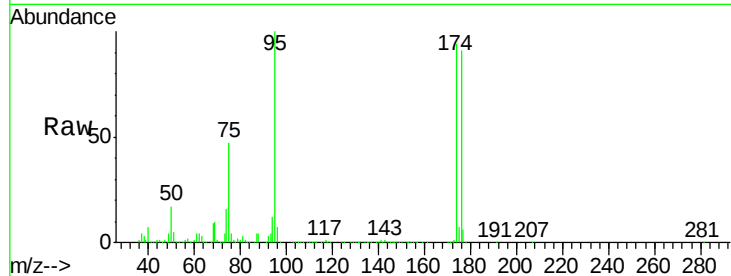




#62
4-Bromofluorobenzene
Concen: 41.607 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

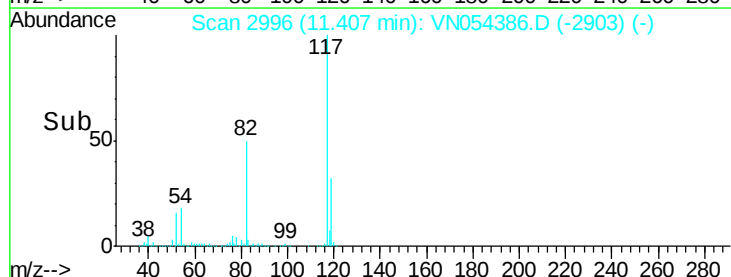
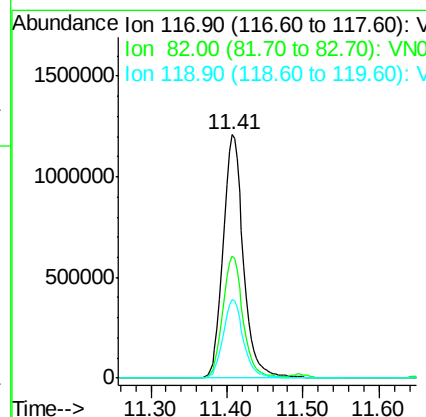
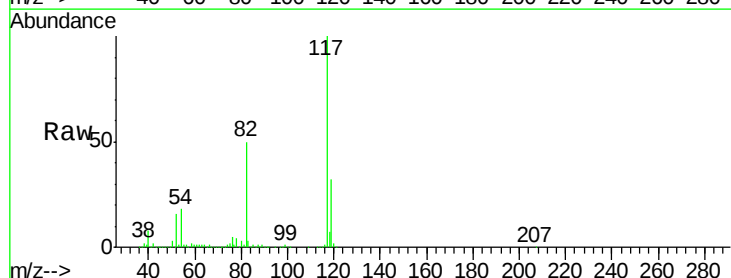
Instrument :
MSVOA_N
ClientSampleId :

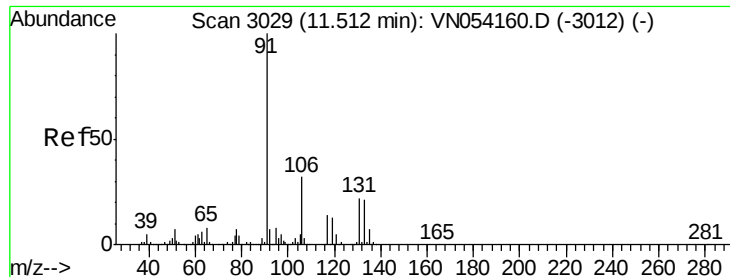
Tot Ion: 95 Resp: 938178
Ion Ratio Lower Upper
95 100
174 96.5 0.0 191.0
176 93.2 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 117 Resp: 2237750
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.4 25.8 38.6

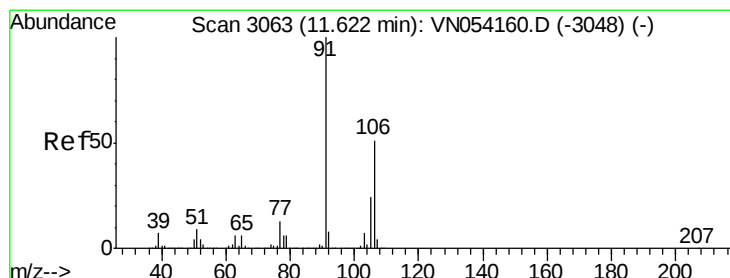
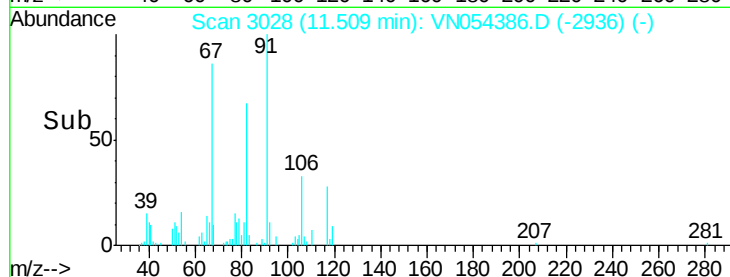
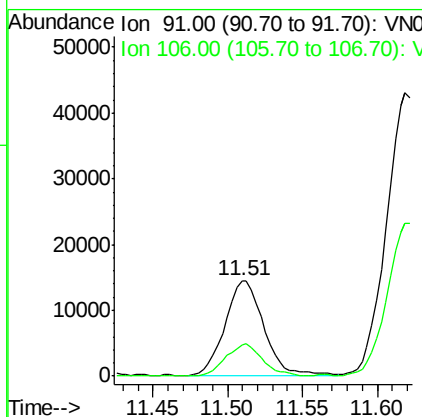
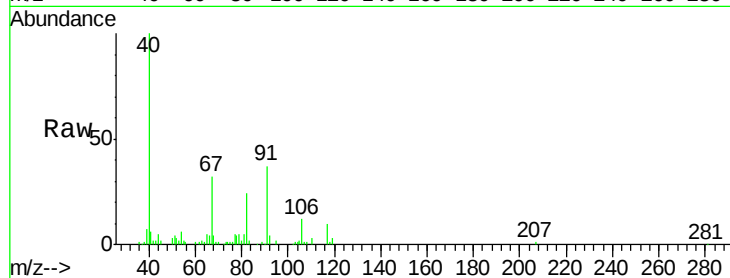




#67
Ethyl Benzene
Concen: 0.325 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

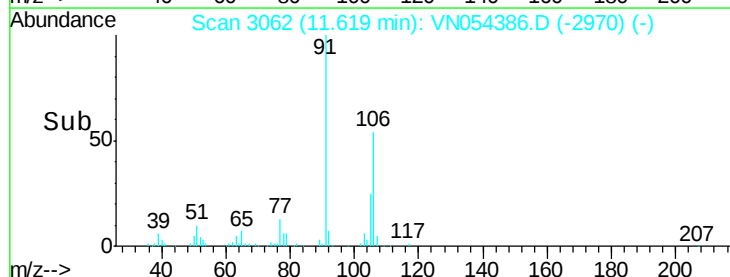
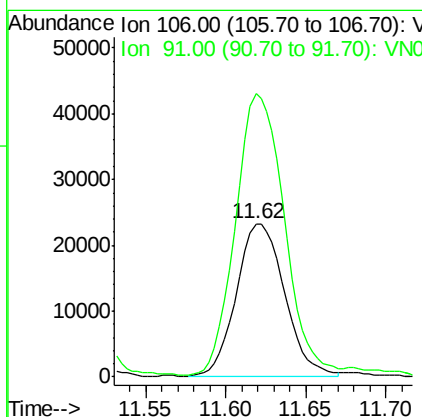
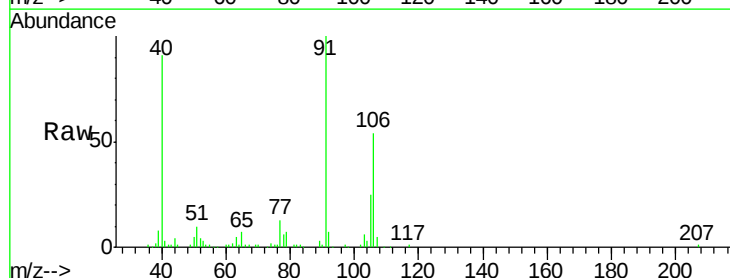
Instrument :
MSVOA_N
ClientSampleId :

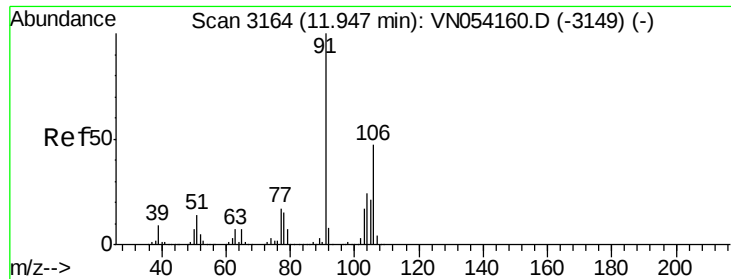
Tot Ion: 91 Resp: 26482
Ion Ratio Lower Upper
91 100
106 32.7 25.5 38.3



#68
m/p-Xylenes
Concen: 1.513 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 106 Resp: 48179
Ion Ratio Lower Upper
106 100
91 185.2 159.4 239.2

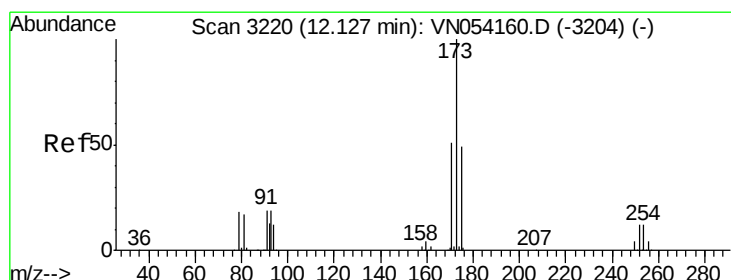
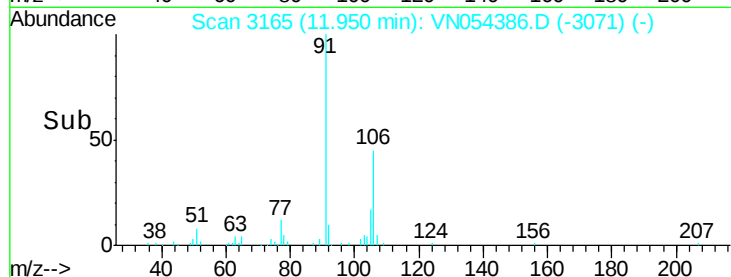
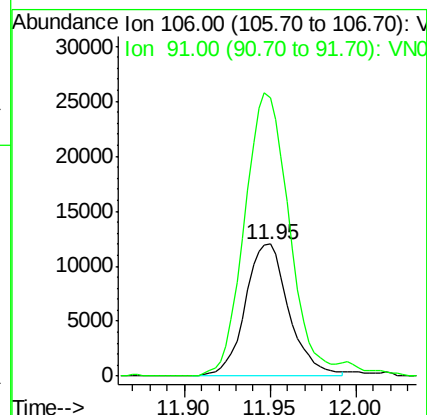
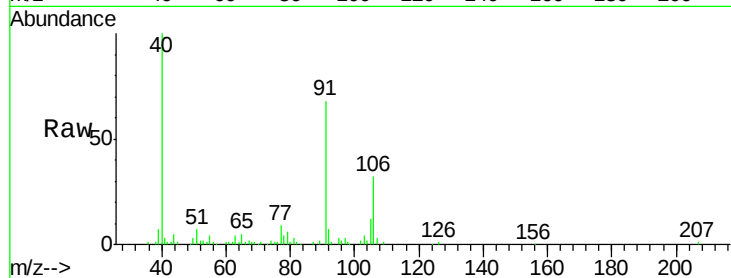




#69
o-Xylene
Concen: 0.682 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

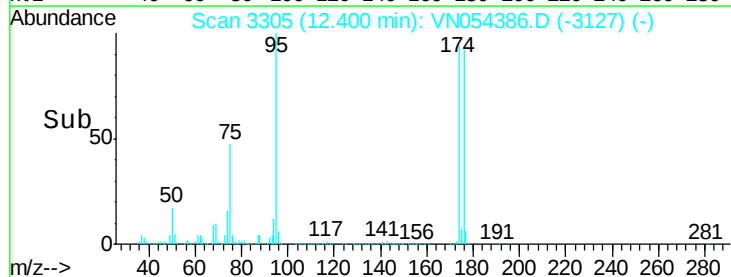
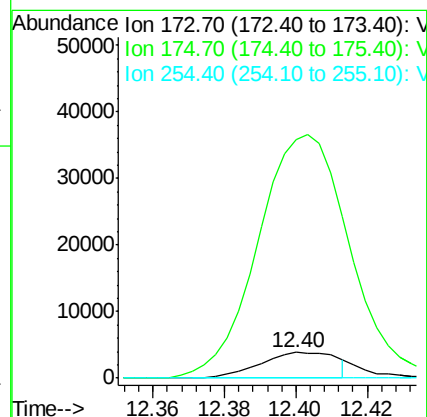
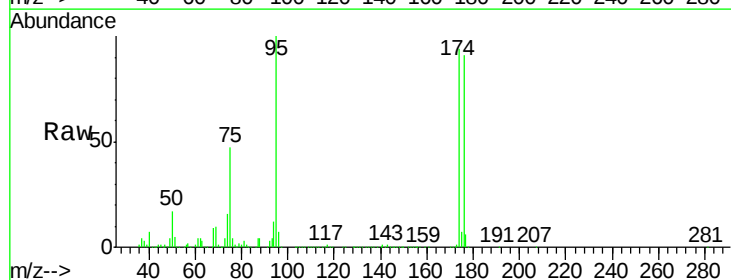
Instrument :
MSVOA_N
ClientSampleId :

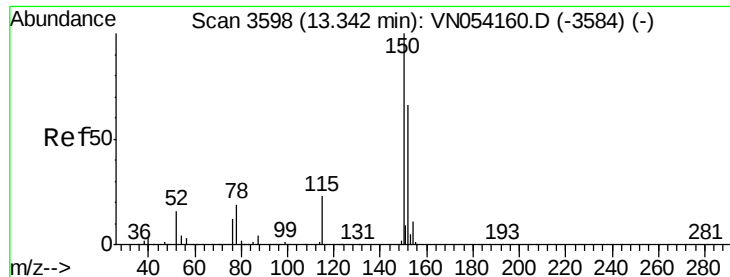
Tot Ion:106 Resp: 21171
Ion Ratio Lower Upper
106 100
91 218.0 105.7 317.1



#71
Bromoform
Concen: 2.754 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion:173 Resp: 5759
Ion Ratio Lower Upper
173 100
175 963.7 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: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

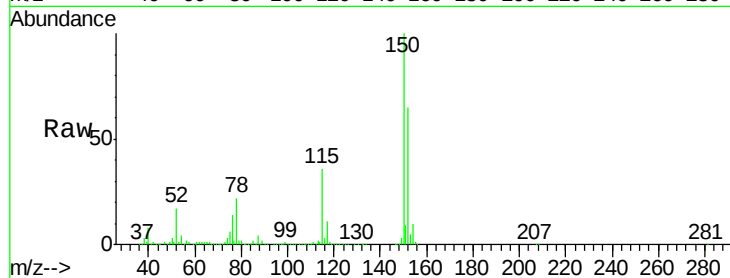
Tot Ion:152 Resp: 898853

Ion Ratio Lower Upper

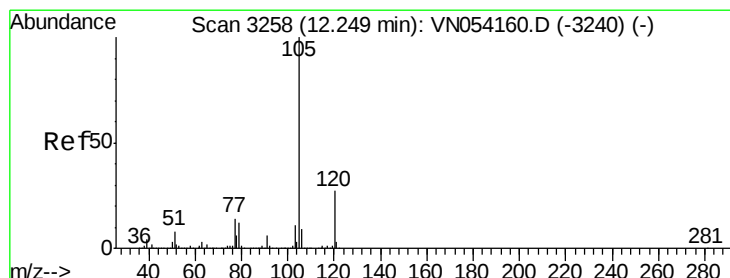
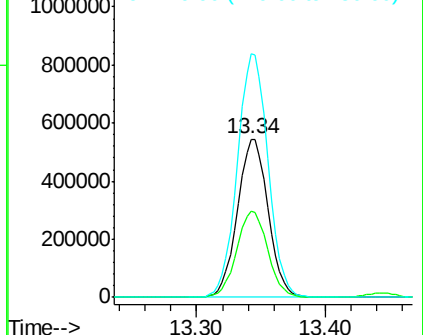
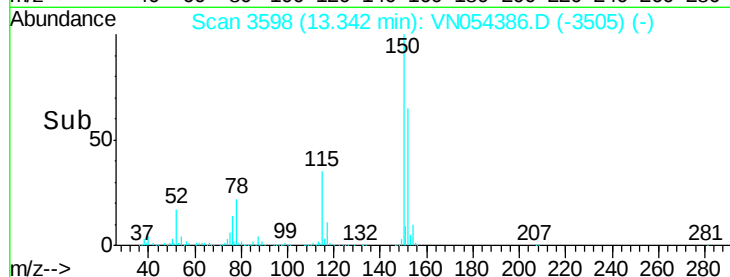
152 100

115 55.0 27.2 81.6

150 154.6 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: 9.089 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054386.D

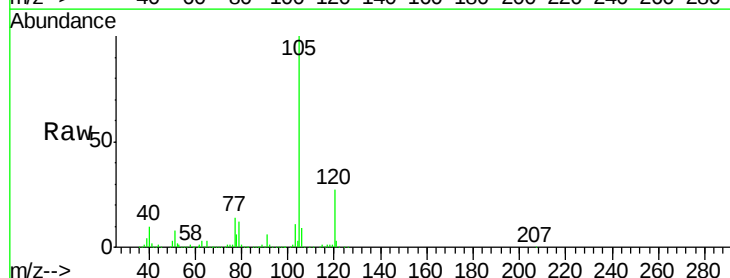
Acq: 18 Mar 2019 11:42

Tgt Ion:105 Resp: 653648

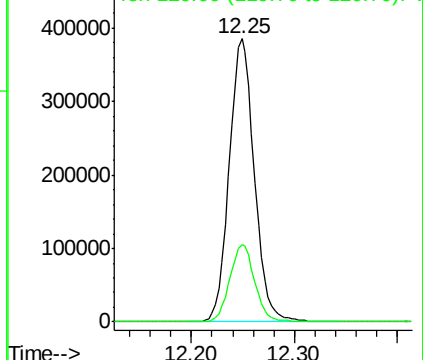
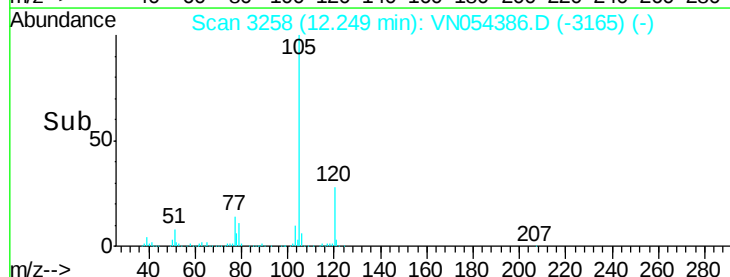
Ion Ratio Lower Upper

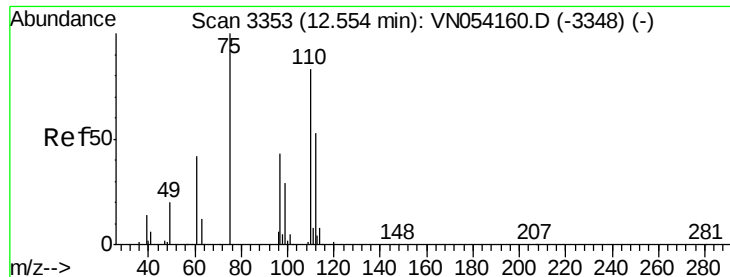
105 100

120 27.2 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: 33.572 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

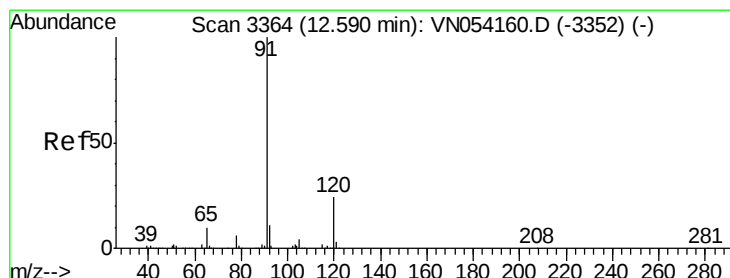
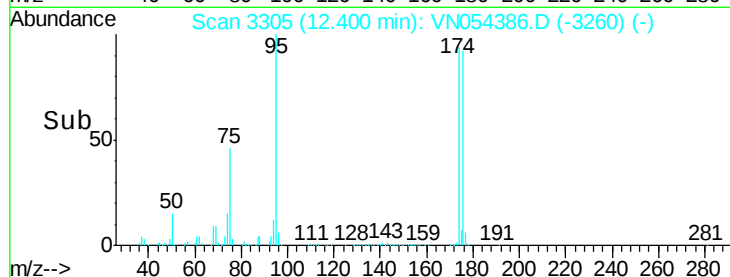
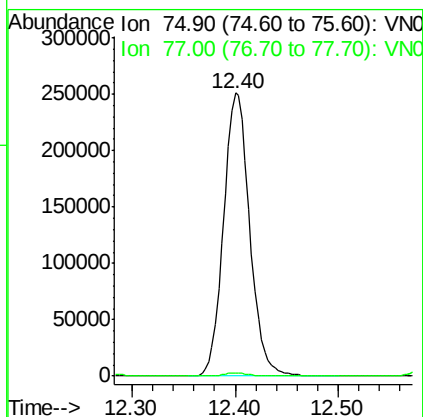
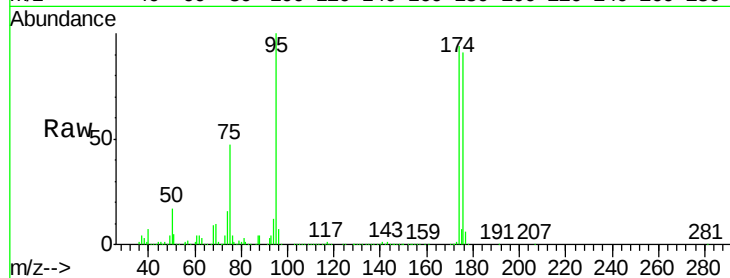
ClientSampled :

Tot Ion: 75 Resp: 443761

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#78

n-propylbenzene

Concen: 8.653 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054386.D

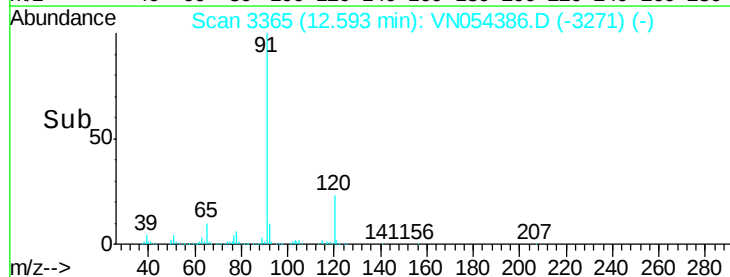
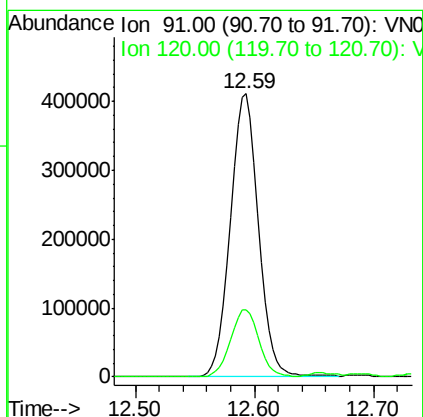
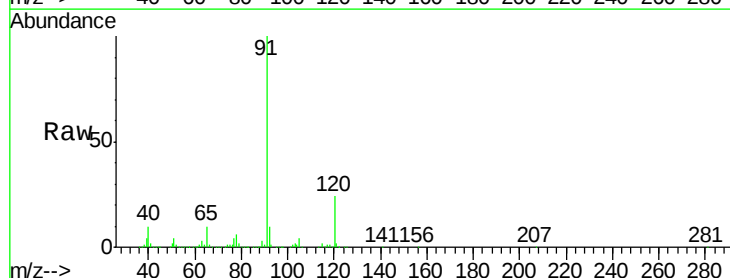
Acq: 18 Mar 2019 11:42

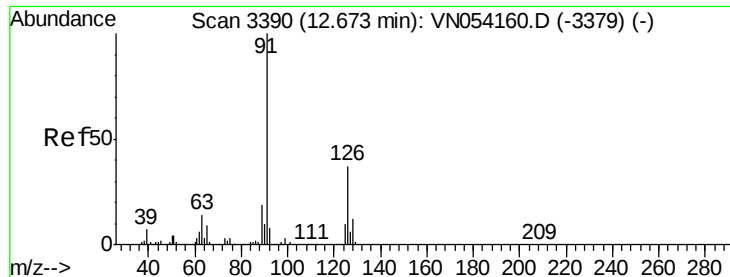
Tgt Ion: 91 Resp: 675235

Ion Ratio Lower Upper

91 100

120 23.9 12.3 36.9





#79

2-Chlorotoluene

Concen: 14.392 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

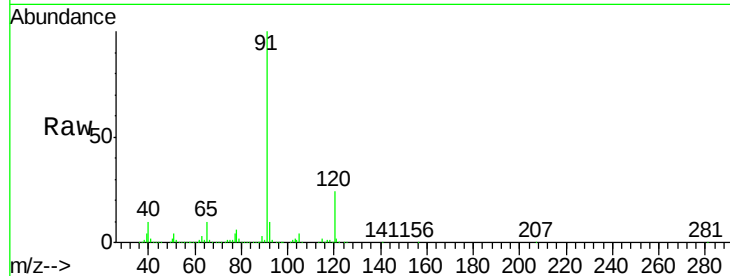
ClientSampleId :

Tot Ion: 91 Resp: 675235

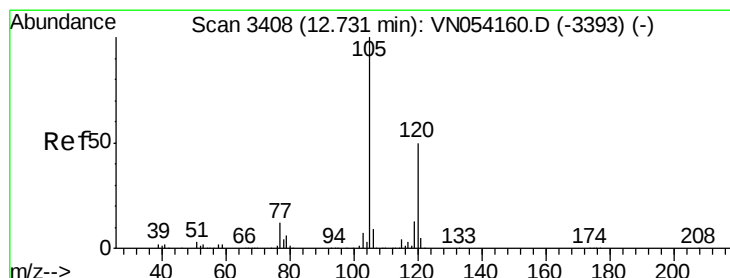
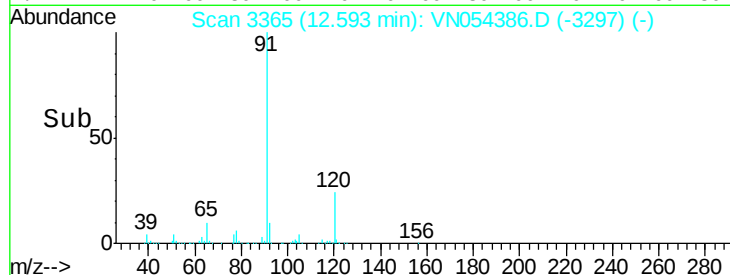
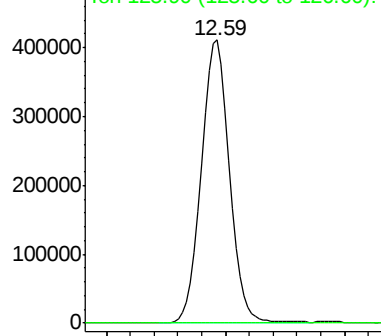
Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



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



#80

1,3,5-Trimethylbenzene

Concen: 0.217 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054386.D

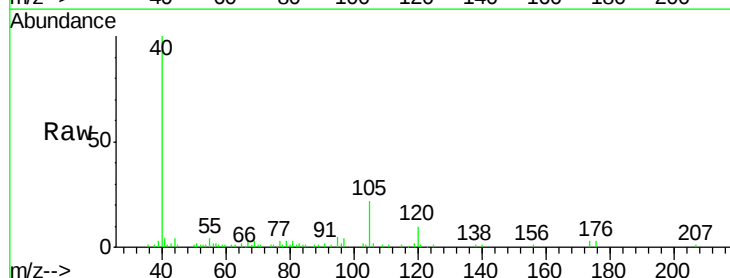
Acq: 18 Mar 2019 11:42

Tgt Ion: 105 Resp: 12977

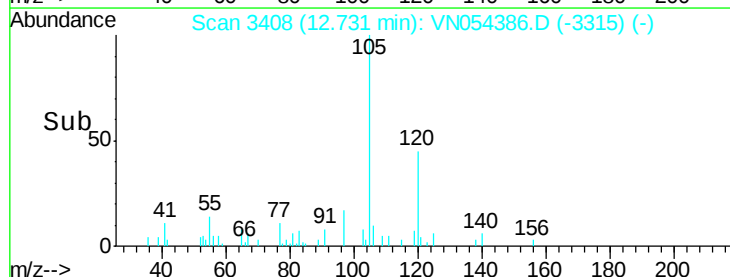
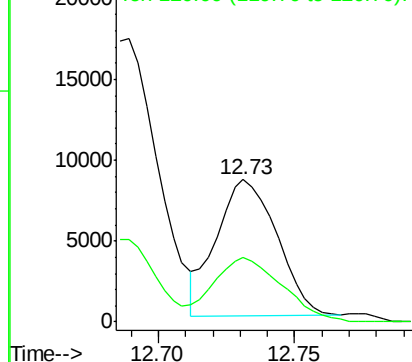
Ion Ratio Lower Upper

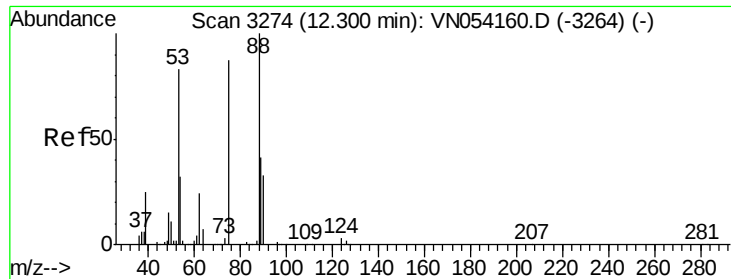
105 100

120 54.6 25.0 75.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 114.765 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

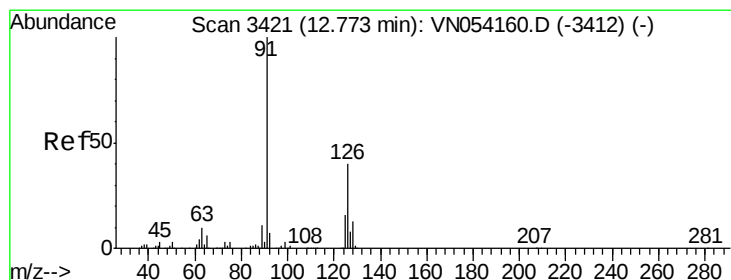
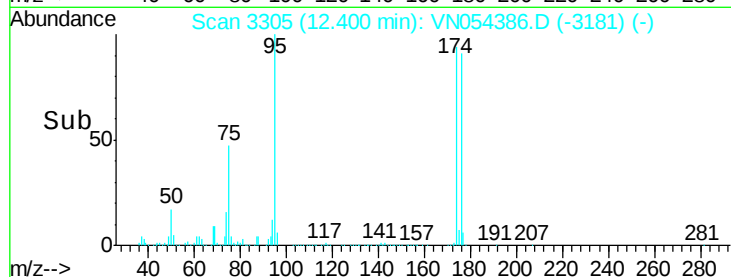
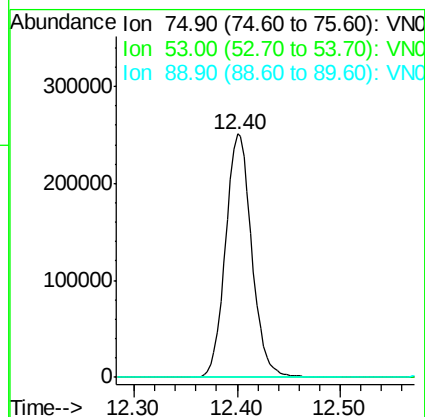
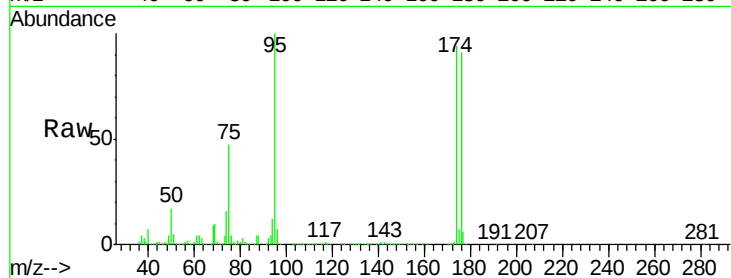
Tot Ion: 75 Resp: 443761

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.0 39.2 58.8#



#82

4-Chlorotoluene

Concen: 14.413 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN054386.D

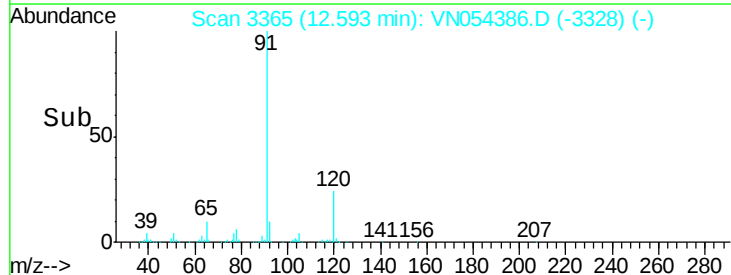
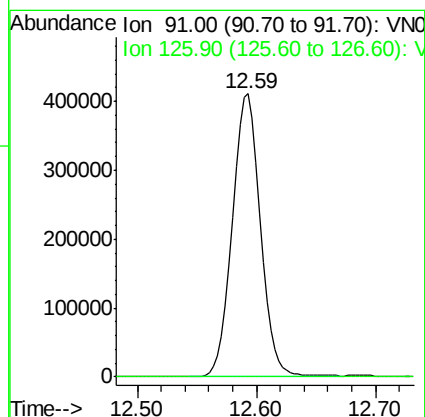
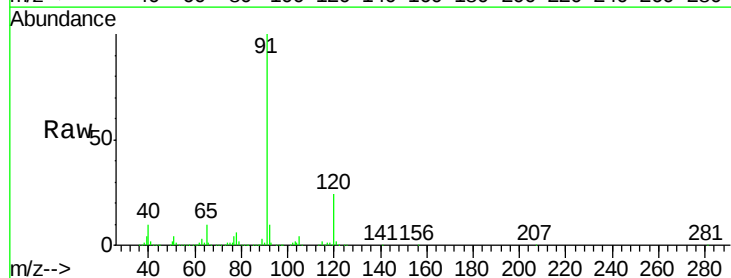
Acq: 18 Mar 2019 11:42

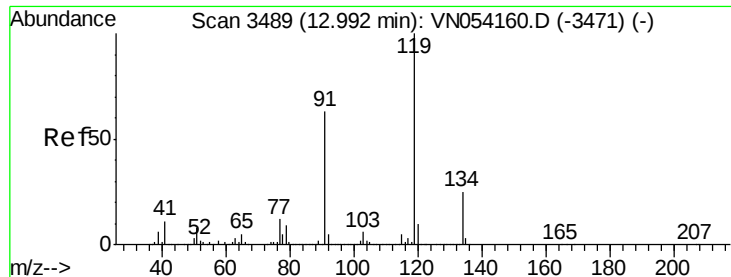
Tgt Ion: 91 Resp: 675235

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#

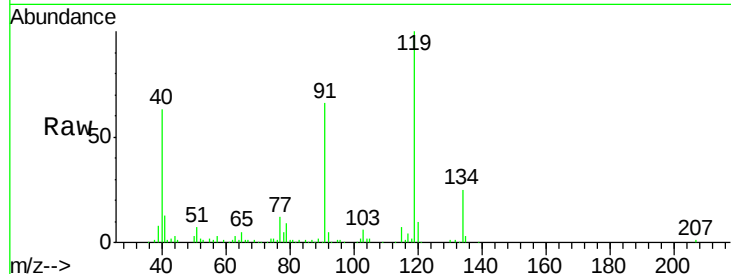




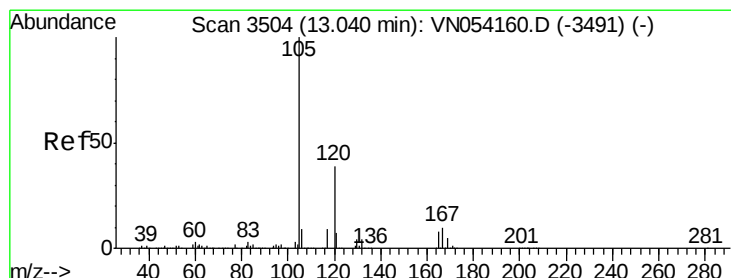
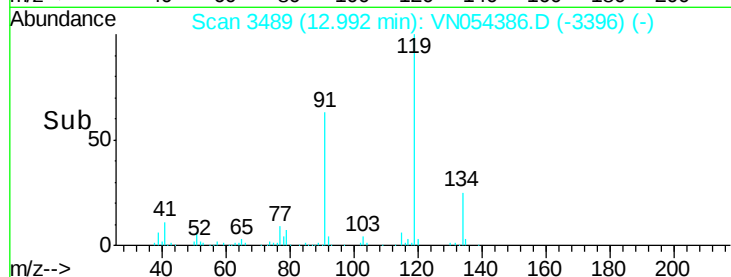
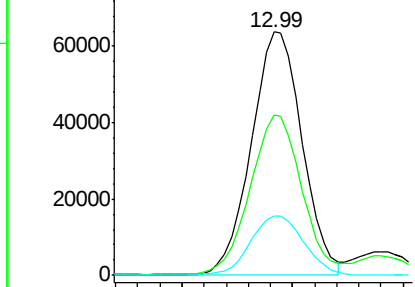
#83
tert-Butylbenzene
Concen: 1.848 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 101743
Ion Ratio Lower Upper
119 100
91 66.3 30.9 92.8
134 25.7 13.2 39.6

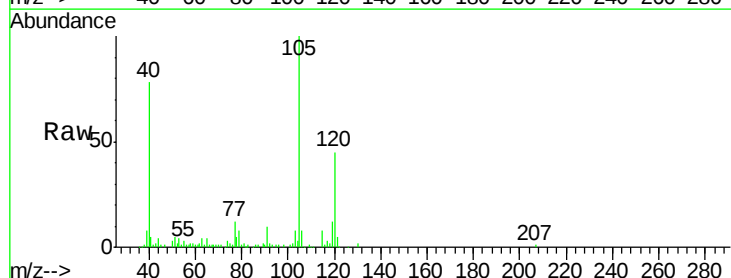


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

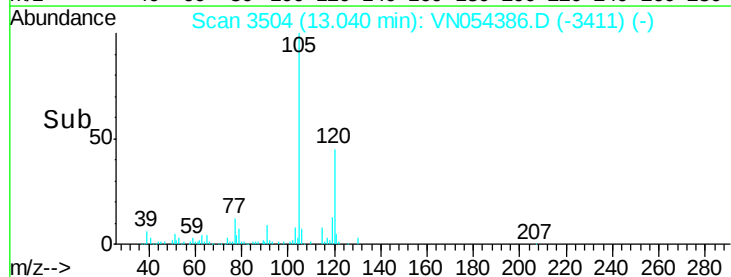
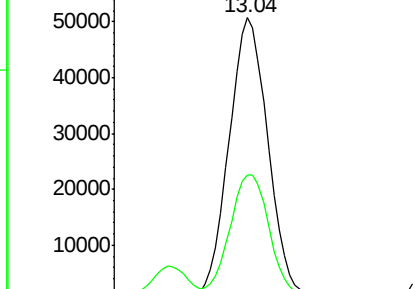


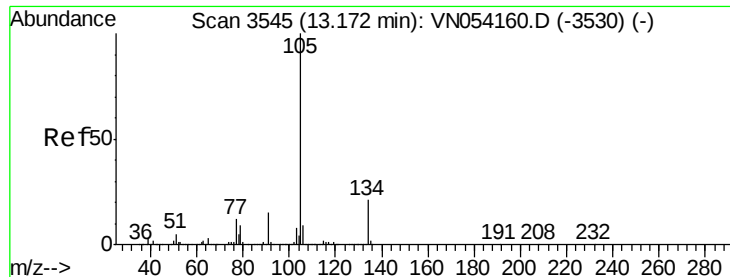
#84
1,2,4-Trimethylbenzene
Concen: 1.435 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion:105 Resp: 84191
Ion Ratio Lower Upper
105 100
120 46.8 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: 6.411 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

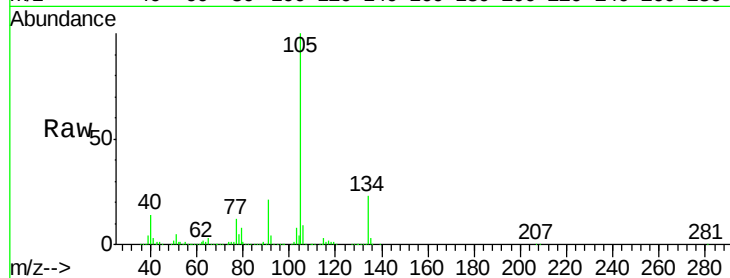
ClientSampled :

Tot Ion:105 Resp: 457792

Ion Ratio Lower Upper

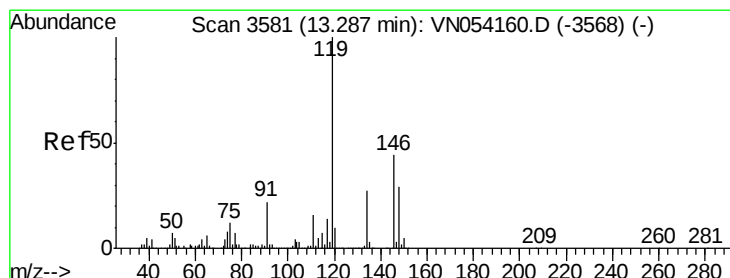
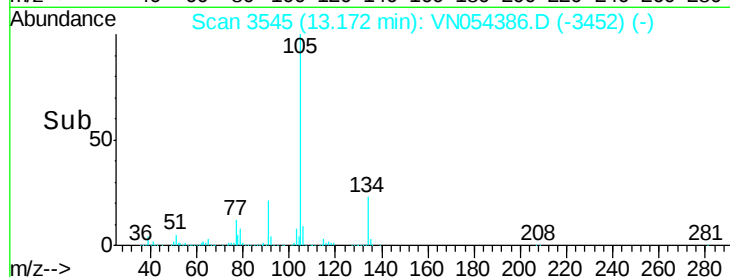
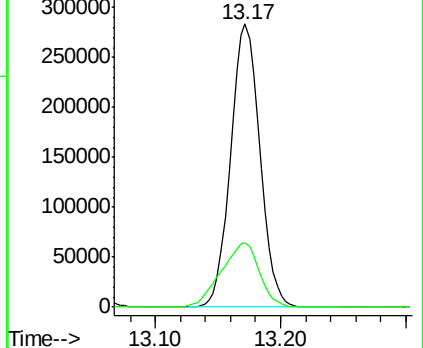
105 100

134 29.7 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: 4.462 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

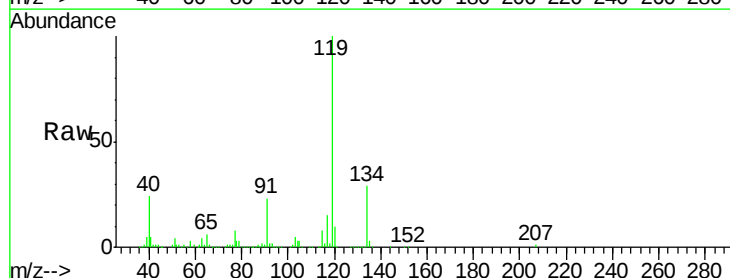
Tgt Ion:119 Resp: 279507

Ion Ratio Lower Upper

119 100

134 29.1 13.6 40.8

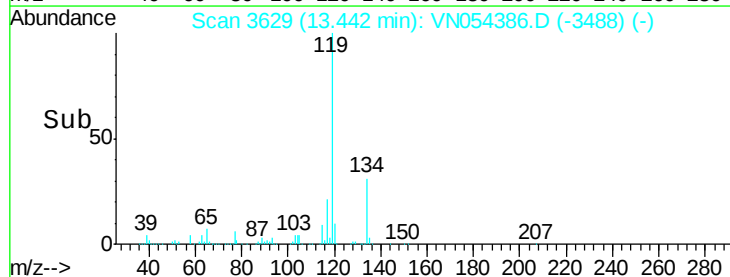
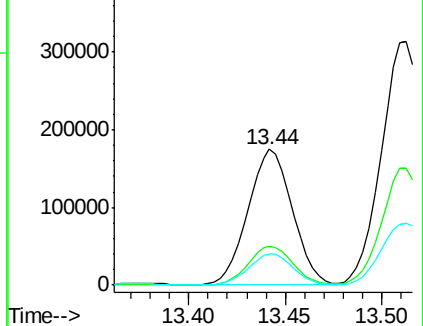
91 22.7 11.1 33.3

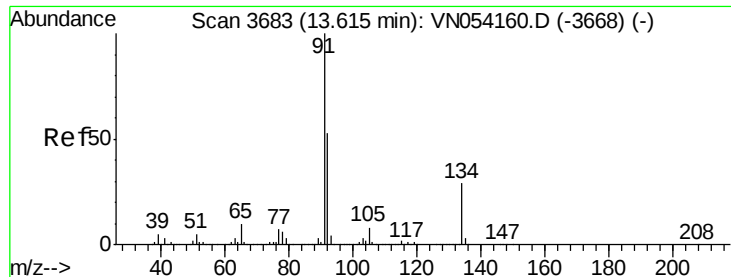


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.856 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampled :

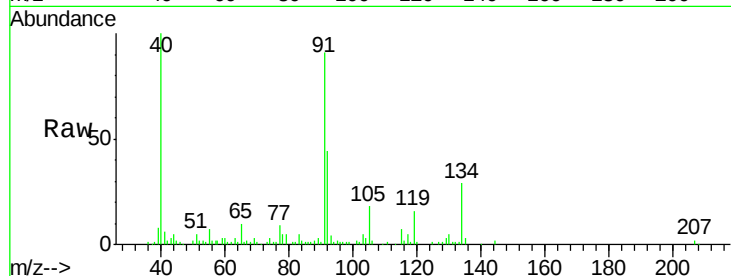
Tot Ion: 91 Resp: 88315

Ion Ratio Lower Upper

91 100

92 34.9 26.2 78.6

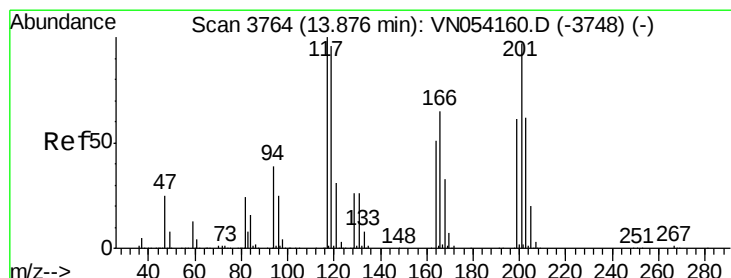
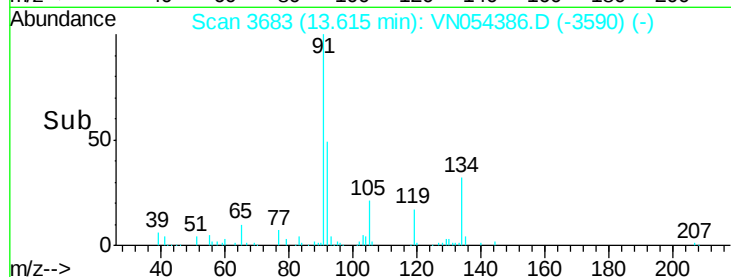
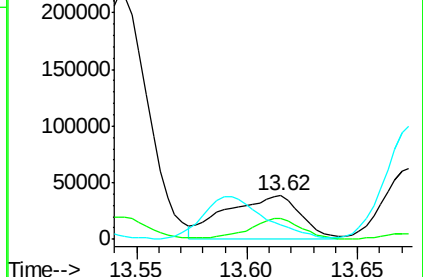
134 0.0 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.367 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054386.D

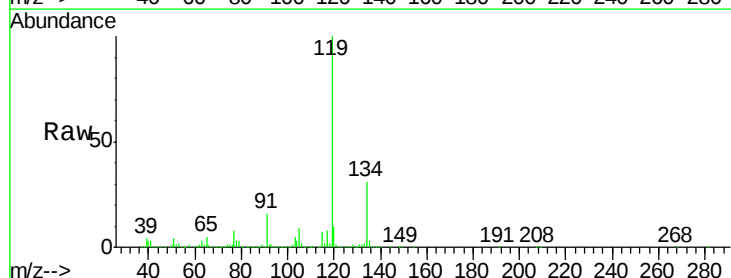
Acq: 18 Mar 2019 11:42

Tgt Ion: 117 Resp: 190515

Ion Ratio Lower Upper

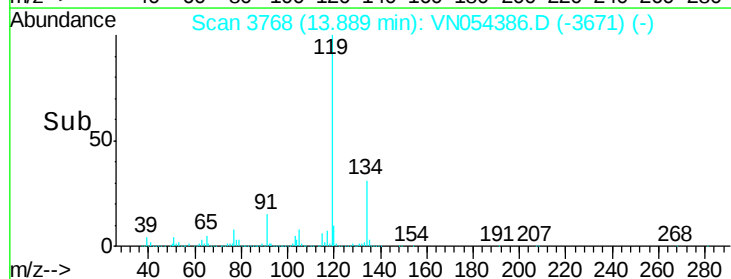
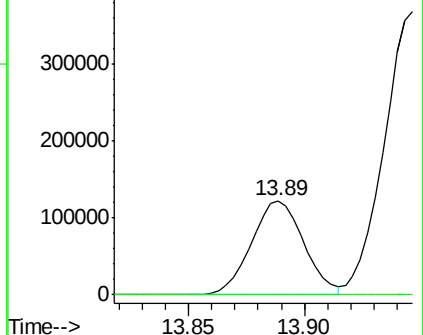
117 100

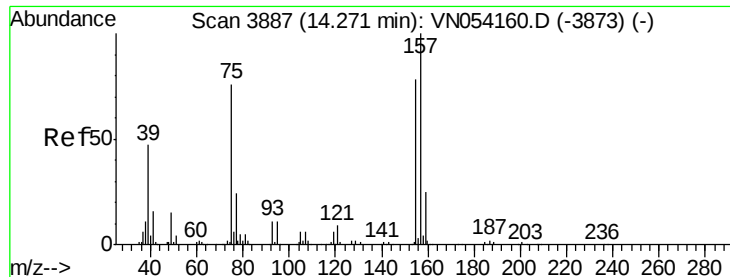
201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.410 ug/l

RT: 14.21 min Scan# 3868

Delta R.T. -0.06 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampled :

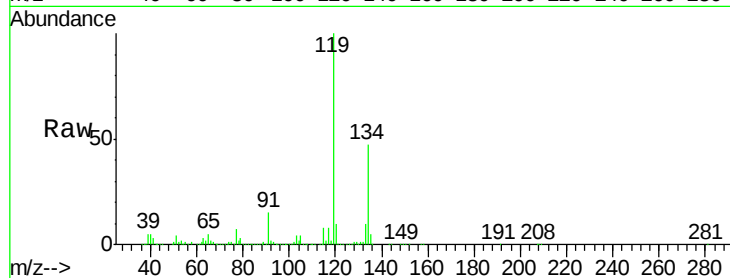
Tot Ion: 75 Resp: 10455

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

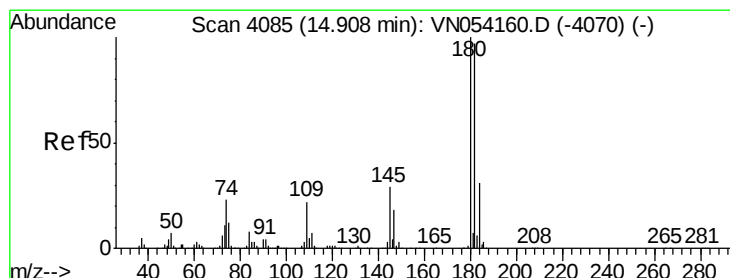
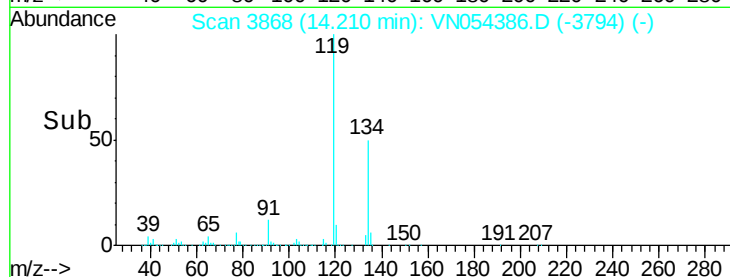
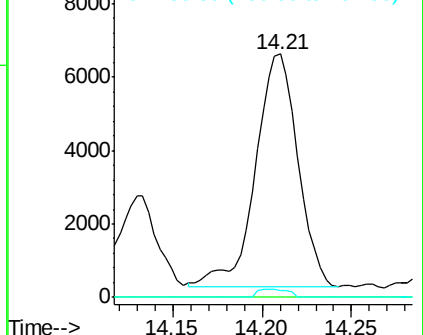
157 2.5 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN054160.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN054160.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.546 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

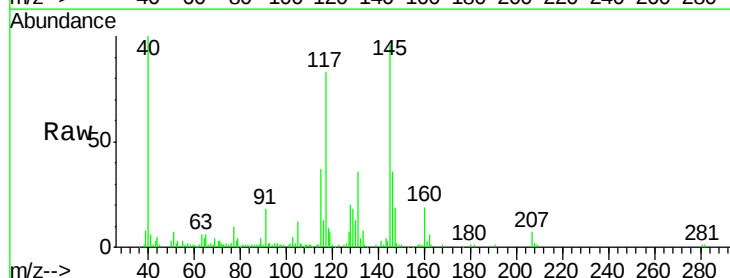
Tgt Ion:180 Resp: 594

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.2

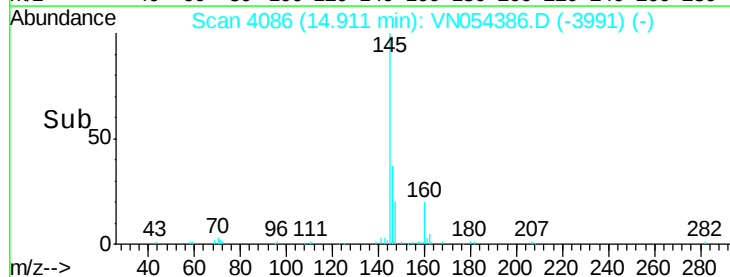
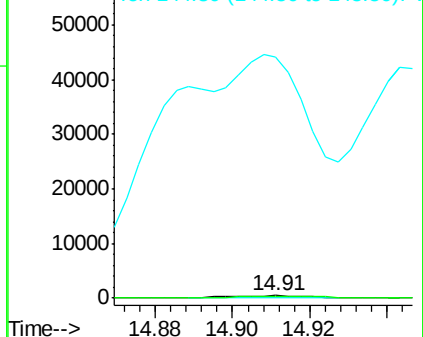
145 0.0 14.2 42.8#

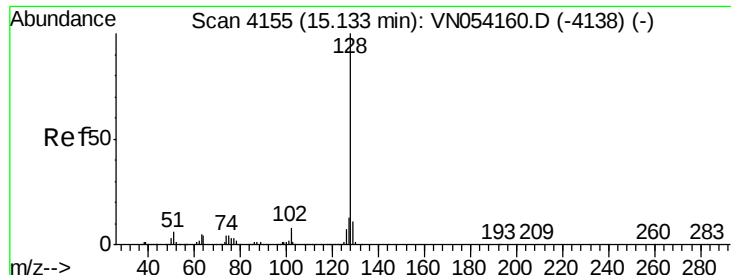


Abundance Ion 179.80 (179.50 to 180.50): VN054160.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN054160.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN054160.D (-4070) (-)

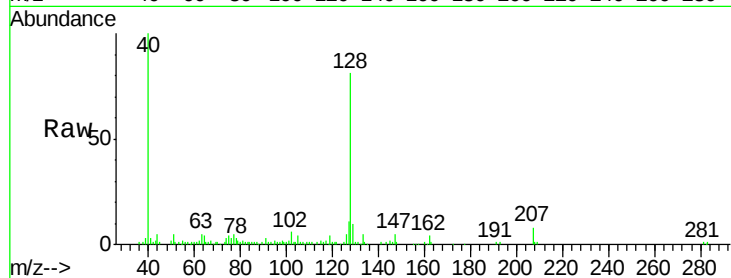




#95
Naphthalene
Concen: 4.827 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.1	15.1
129	9.3	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

