

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054412.D
 Acq On : 19 Mar 2019 00:28
 Operator : JC/SP
 Sample : K1902-08 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30303

Quant Time: Mar 19 05:18:03 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	1800760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2593360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2205218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	909209	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	867450	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	
35) Dibromofluoromethane	7.59	113	789917	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
50) Toluene-d8	10.09	98	2999056	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.40	95	935842	43.30	ug/l	0.00
Spiked Amount			Recovery	=	86.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	321	1.509	ug/l #	47
13) Acrolein	3.61	56	8174	6.580	ug/l #	81
16) Acetone	3.82	43	1234526	225.456	ug/l	99
18) Methyl Acetate	4.33	43	27622	2.493	ug/l	96
25) 2-Butanone	6.85	43	56569	8.802	ug/l	99
31) Cyclohexane	7.66	56	25057	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	103523	4.335	ug/l #	47
37) Ethyl Acetate	6.94	43	127122	9.264	ug/l	97
38) Carbon Tetrachloride	7.66	117	147136	5.875	ug/l #	16
49) 1,4-Dioxane	9.21	88	124	0.717	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	20130	1.579	ug/l #	70
52) Toluene	10.15	92	15193	0.351	ug/l	83
53) t-1,3-Dichloropropene	10.38	75	115	1.990	ug/l #	1
59) 2-Hexanone	10.86	43	155347	18.315	ug/l	69
64) Tetrachloroethene	10.63	164	6859	0.322	ug/l	92
67) Ethyl Benzene	11.51	91	70869	0.883	ug/l	98
68) m/p-Xylenes	11.62	106	148811	4.744	ug/l	98
69) o-Xylene	11.95	106	100392	3.283	ug/l	99
71) Bromoform	12.17	173	357	2.376	ug/l #	28
74) N-amyl acetate	12.03	43	22630	1.402	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	442954	33.130	ug/l #	100
77) Bromobenzene	12.53	156	6008	0.312	ug/l #	1
78) n-propylbenzene	12.59	91	63291	0.802	ug/l	100
79) 2-Chlorotoluene	12.65	91	35829	0.755	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	164371	2.717	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	442954	113.252	ug/l #	11
82) 4-Chlorotoluene	12.73	91	15270	0.322	ug/l #	41
83) tert-Butylbenzene	13.04	119	89028	1.599	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	703893	11.858	ug/l	100
85) sec-Butylbenzene	13.04	105	703893	9.746	ug/l #	55
86) p-Isopropyltoluene	13.29	119	13227	0.209	ug/l	96
89) n-Butylbenzene	13.61	91	21355	0.444	ug/l #	64
90) Hexachloroethane	13.89	117	15125	1.442	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	1777	2.605	ug/l #	1

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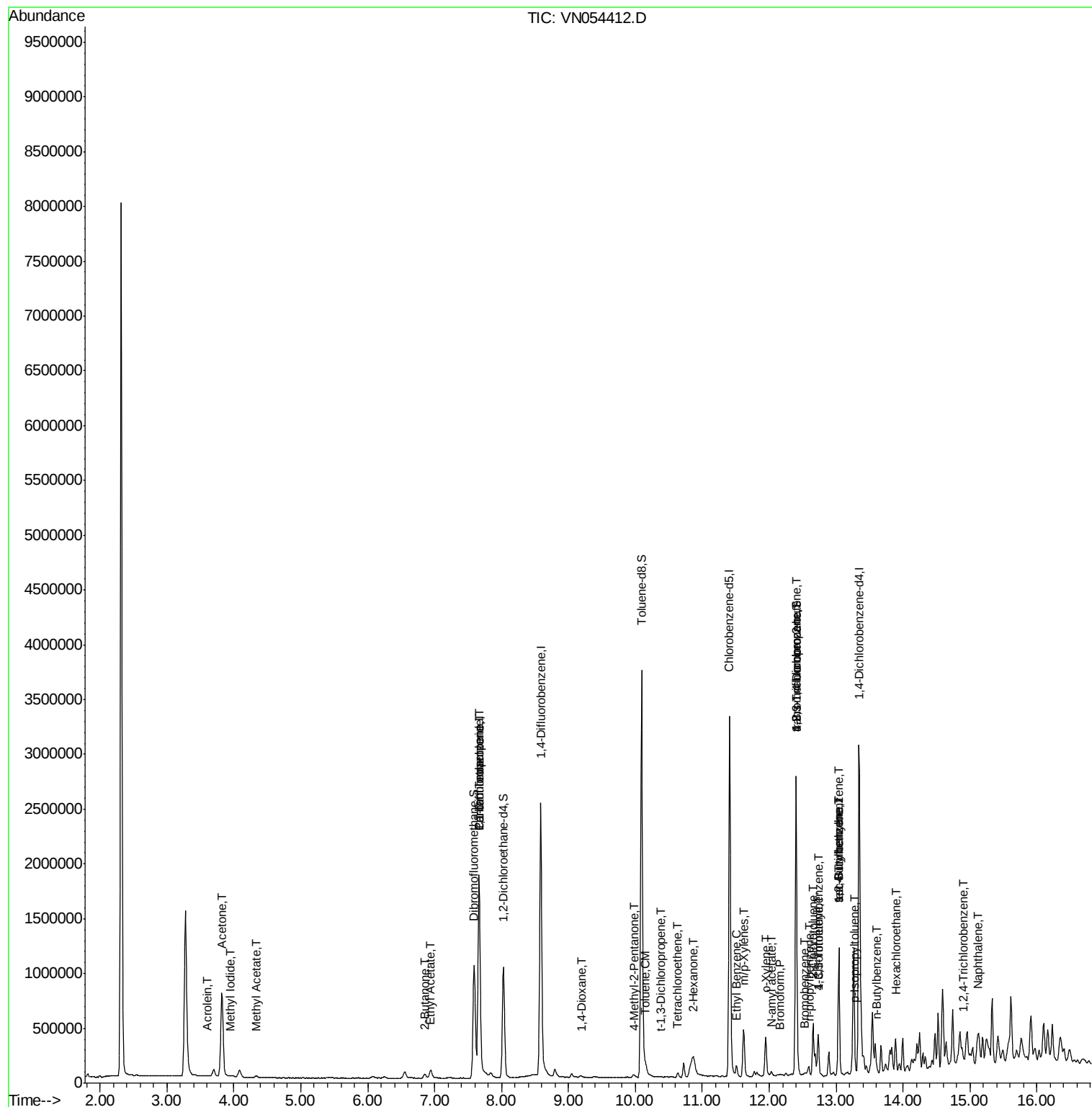
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	187282	7.840	ug/l	96

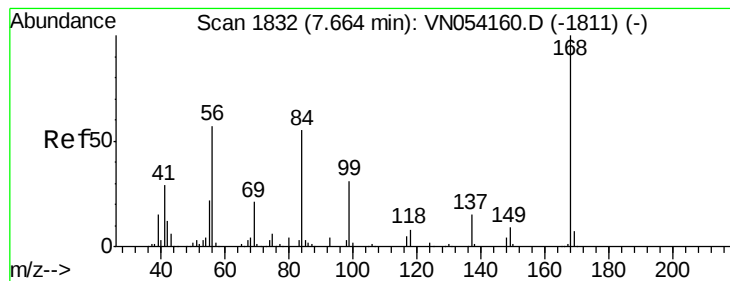
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampled :

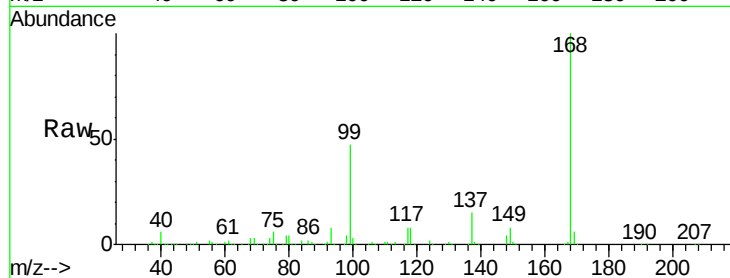
30303

Tot Ion:168 Resp: 1800760

Ion Ratio Lower Upper

168 100

99 47.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

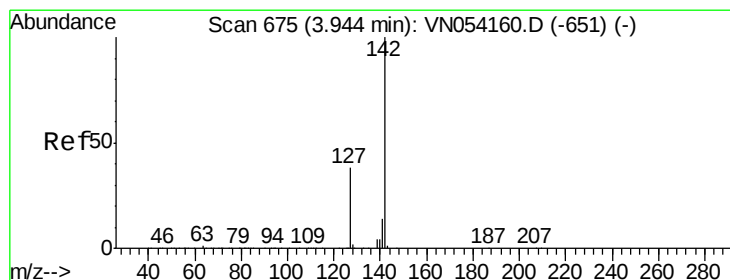
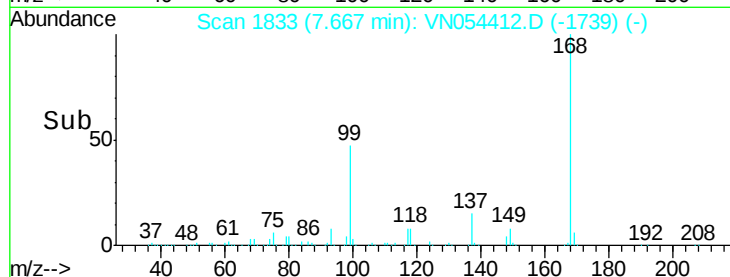
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.509 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

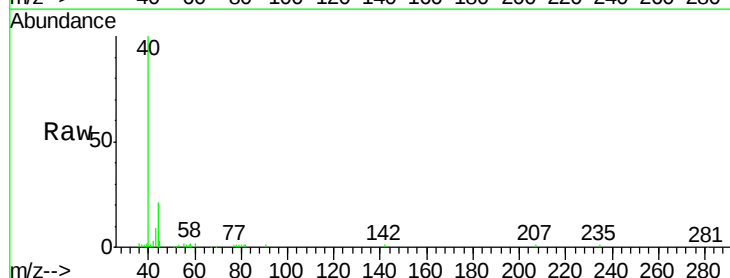
Tgt Ion:142 Resp: 321

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 24.3 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

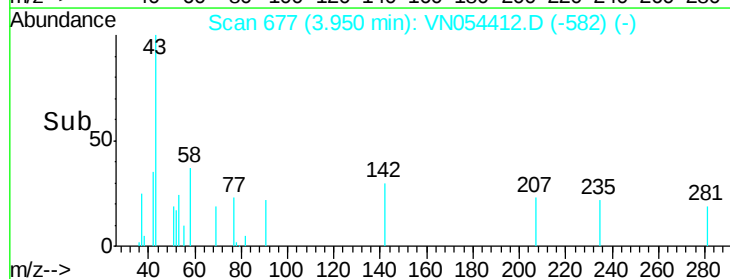
300

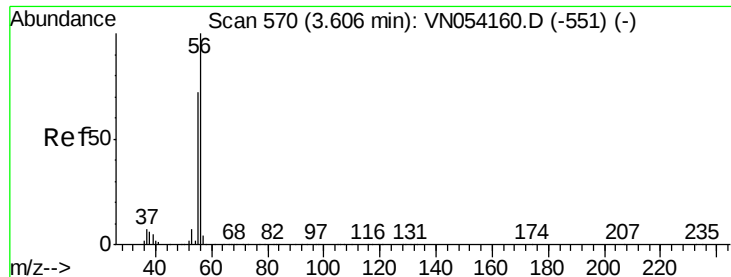
200

100

0

Time--> 3.92 3.94 3.96

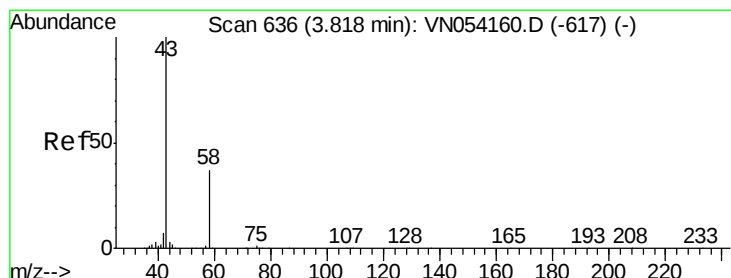
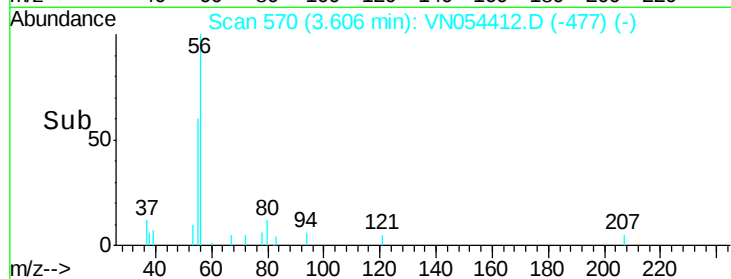
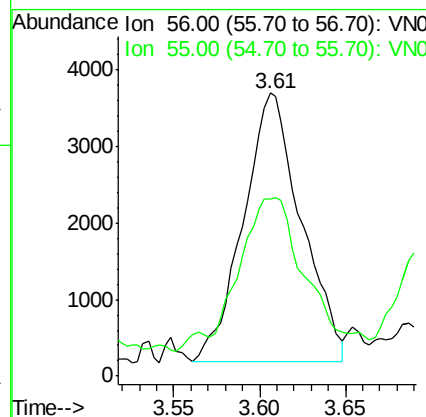
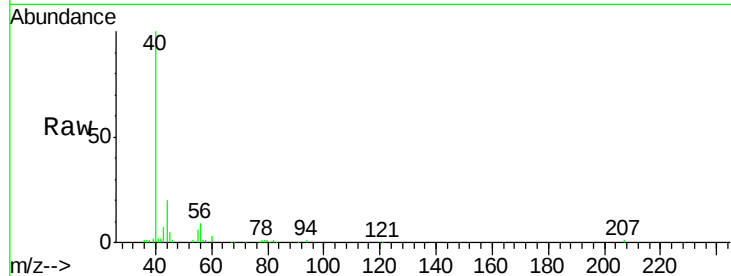




#13
Acrolein
Concen: 6.580 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

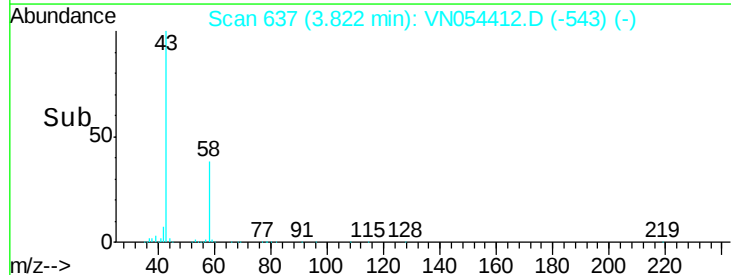
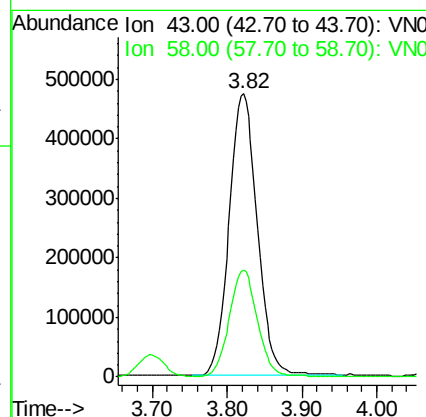
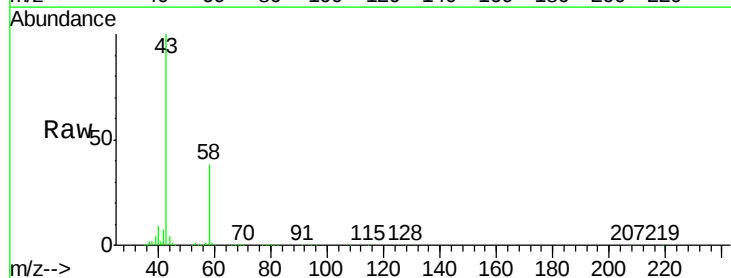
Instrument :
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ClientSampleId :
30303

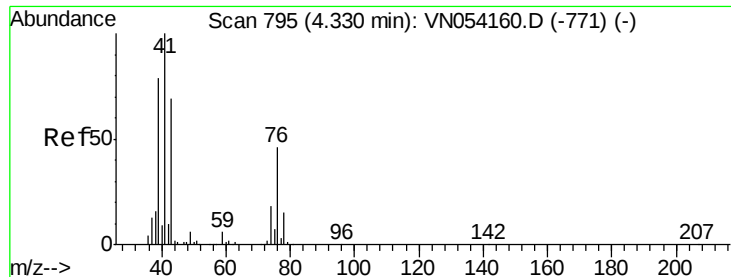
Tot Ion: 56 Resp: 8174
Ion Ratio Lower Upper
56 100
55 55.6 56.7 85.1#



#16
Acetone
Concen: 225.456 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

Tgt Ion: 43 Resp: 1234526
Ion Ratio Lower Upper
43 100
58 37.8 29.9 44.9

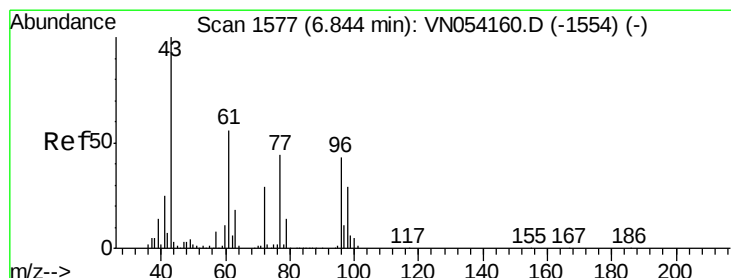
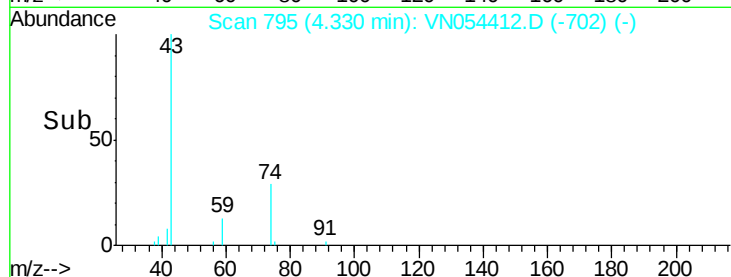
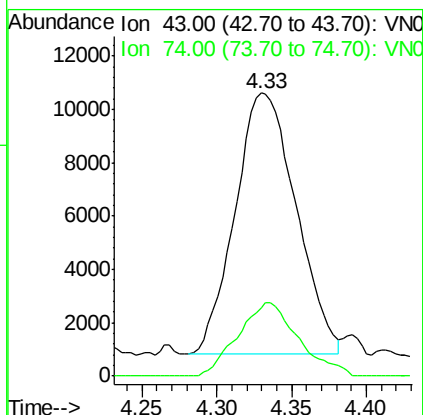
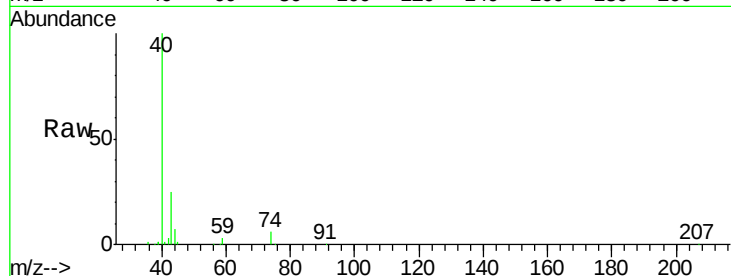




#18
Methvl Acetate
Concen: 2.493 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

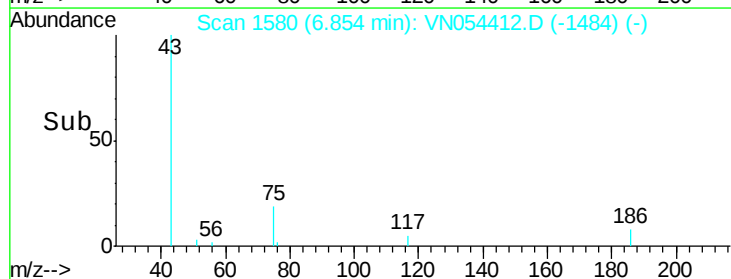
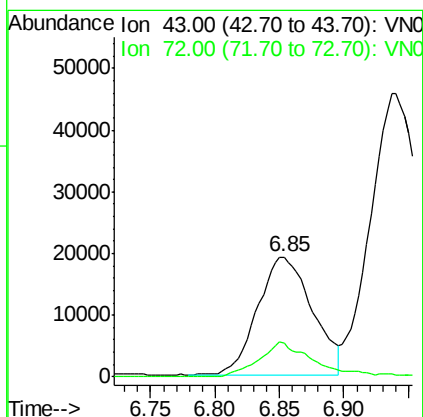
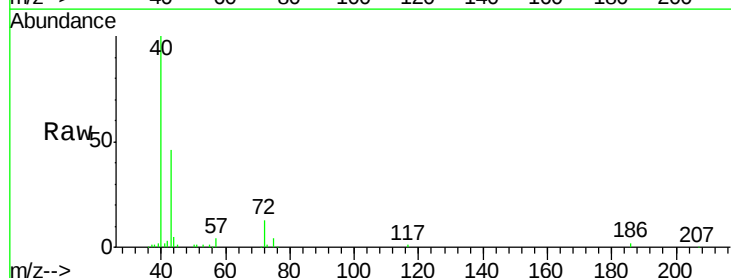
Instrument :
MSVOA_N
ClientSampled :
30303

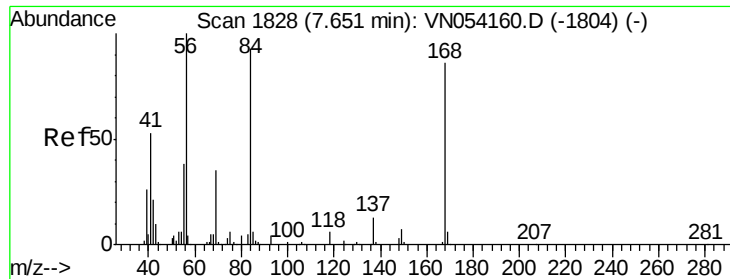
Tot Ion: 43 Resp: 27622
Ion Ratio Lower Upper
43 100
74 28.1 20.8 31.2



#25
2-Butanone
Concen: 8.802 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

Tgt Ion: 43 Resp: 56569
Ion Ratio Lower Upper
43 100
72 28.4 23.0 34.6





#31

Cvclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampled :
30303

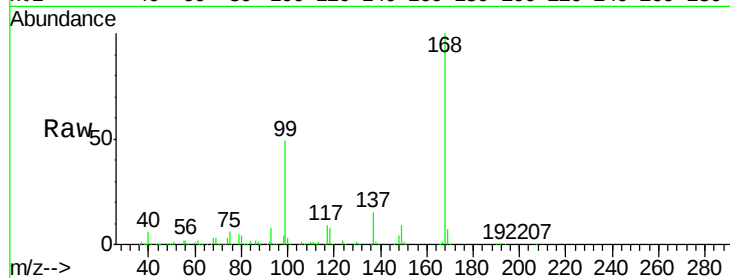
Tot Ion: 56 Resp: 25057

Ion Ratio Lower Upper

56 100

69 191.0 27.8 41.6#

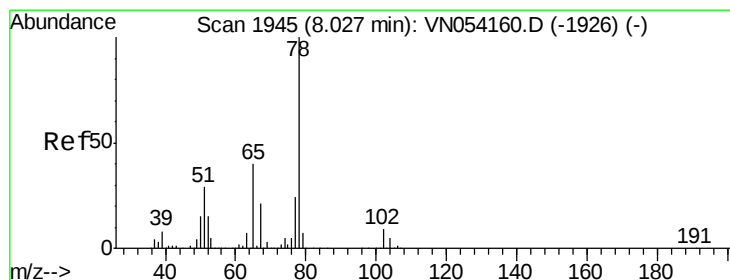
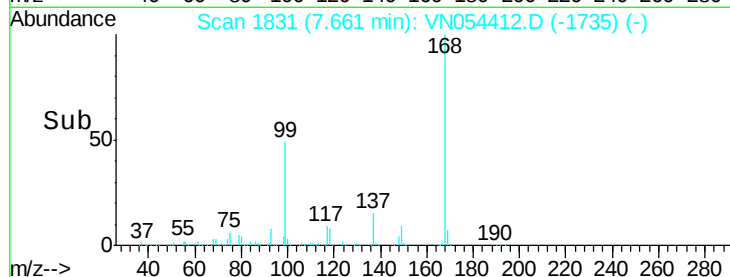
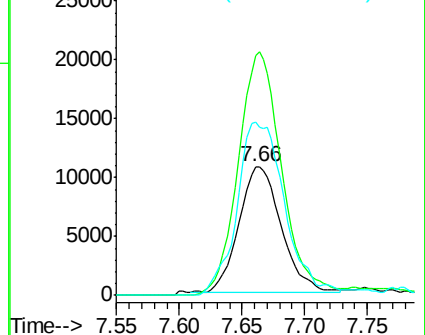
84 138.1 74.6 111.8#



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: 45.359 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054412.D

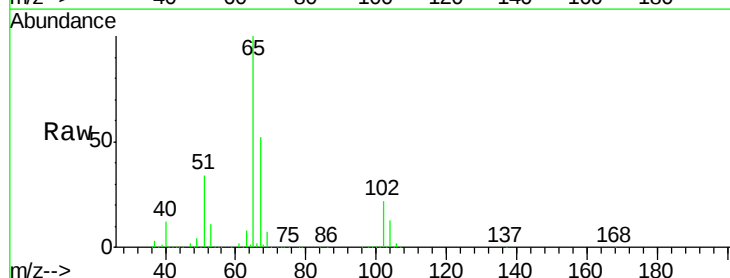
Acq: 19 Mar 2019 00:28

Tgt Ion: 65 Resp: 867450

Ion Ratio Lower Upper

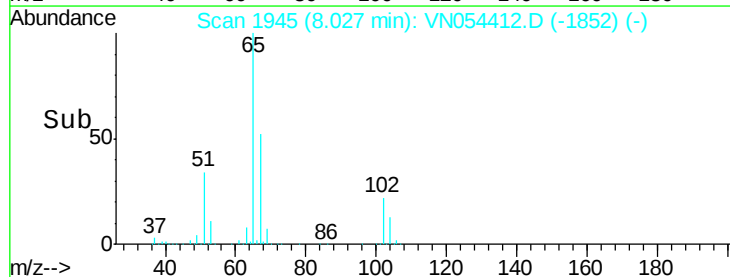
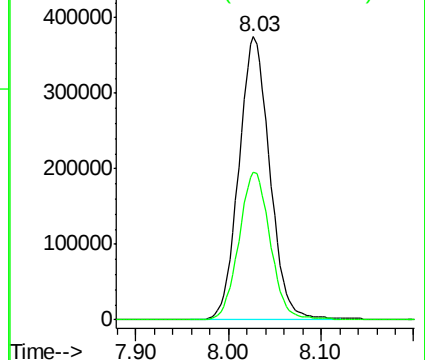
65 100

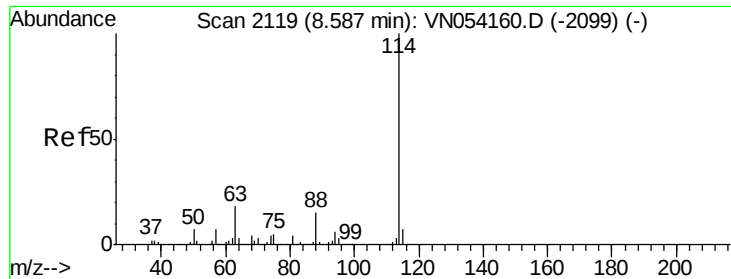
67 53.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

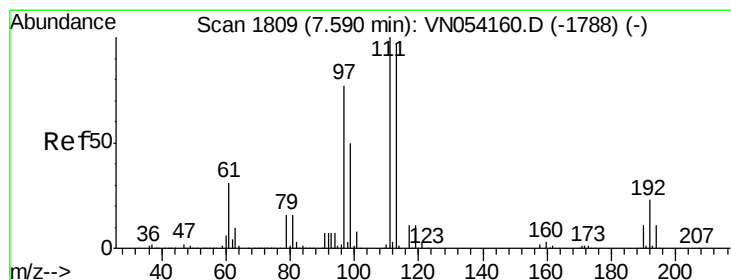
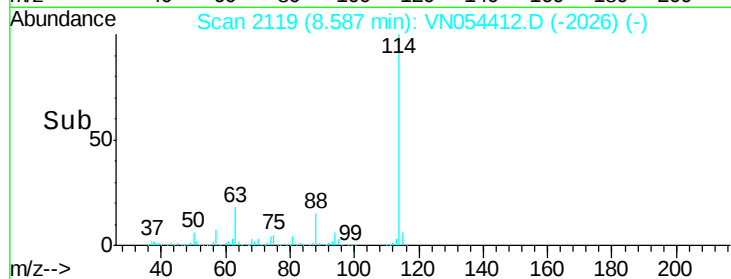
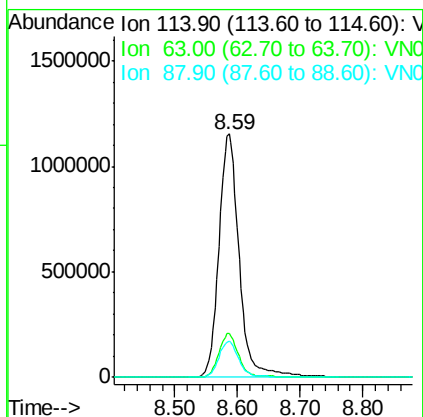
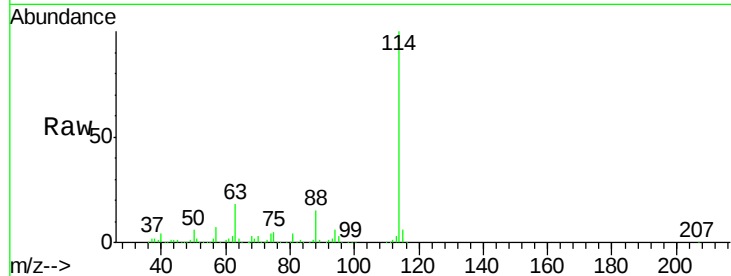




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054412.D
 Acq: 19 Mar 2019 00:28

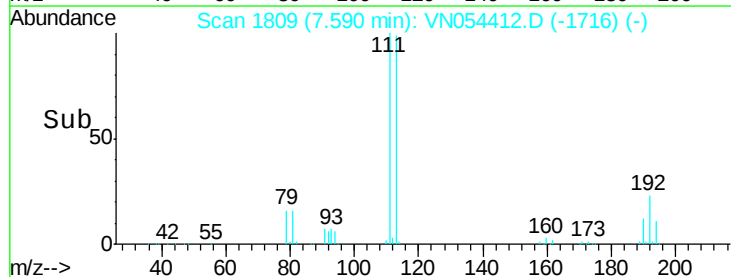
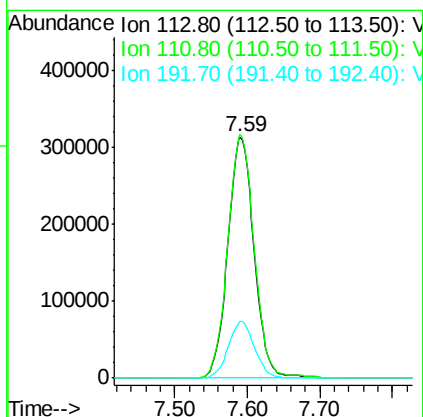
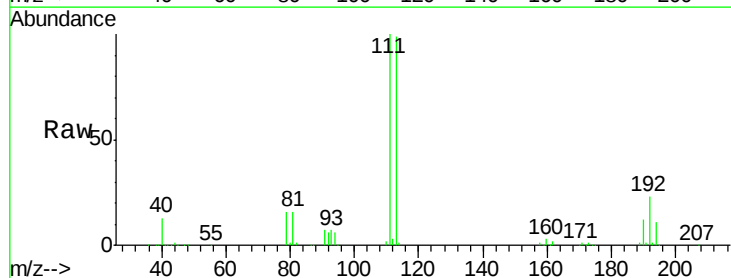
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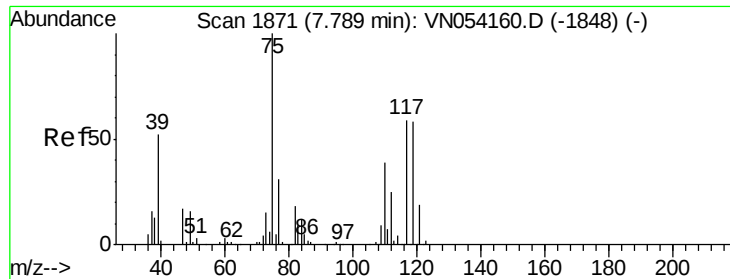
Tot Ion:114 Resp: 2593360
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.8 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 47.227 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054412.D
 Acq: 19 Mar 2019 00:28

Tgt Ion:113 Resp: 789917
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 23.4 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.335 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampleId :

30303

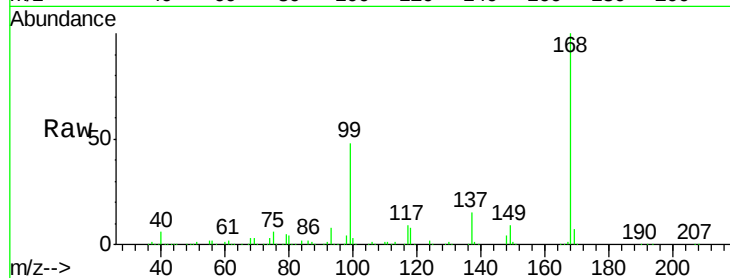
Tot Ion: 75 Resp: 103523

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.5#

77 0.0 25.0 37.4#

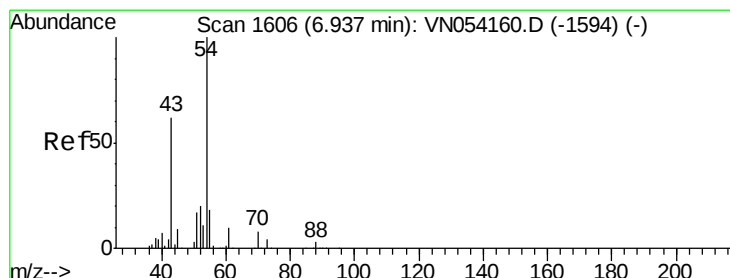
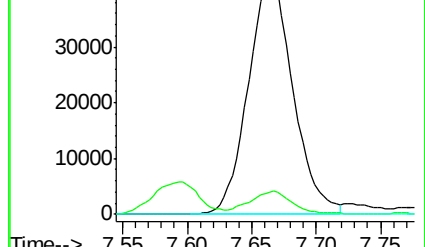
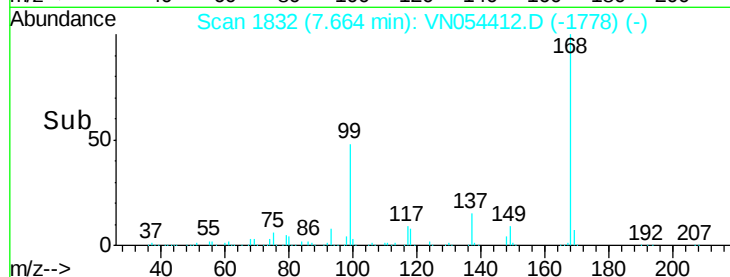


Abundance Ion 74.90 (74.60 to 75.60): VN054412.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054412.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054412.D (-1778) (-)

Time-->



#37

Ethyl Acetate

Concen: 9.264 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

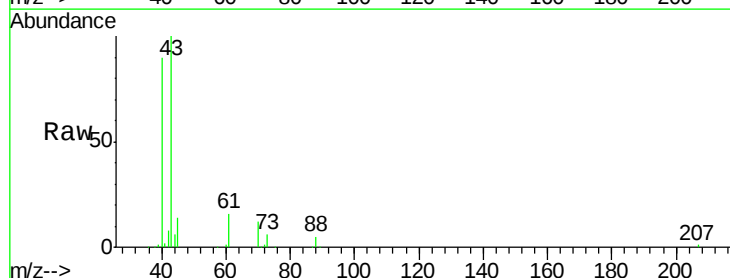
Tgt Ion: 43 Resp: 127122

Ion Ratio Lower Upper

43 100

61 15.9 11.8 17.6

70 12.0 8.4 12.6

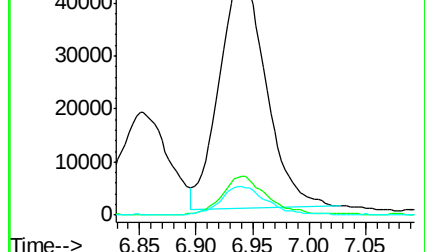
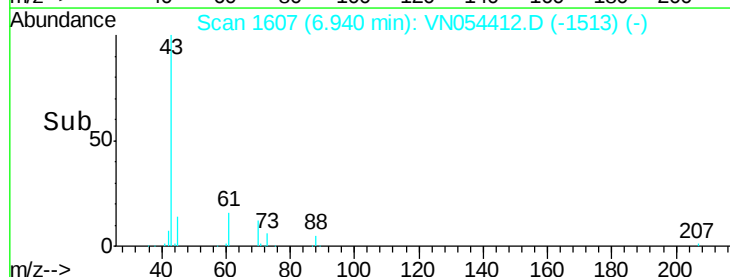


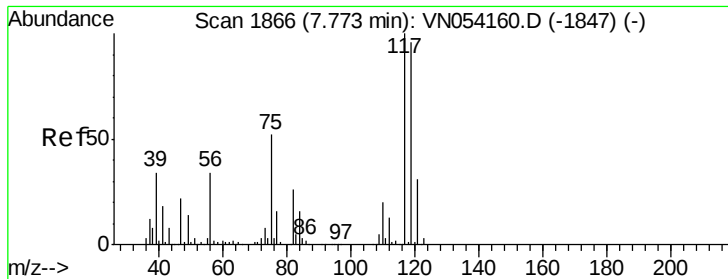
Abundance Ion 43.00 (42.70 to 43.70): VN054412.D (-1513) (-)

Ion 60.90 (60.60 to 61.60): VN054412.D (-1513) (-)

Ion 70.00 (69.70 to 70.70): VN054412.D (-1513) (-)

Time-->





#38

Carbon Tetrachloride

Concen: 5.875 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampled :

30303

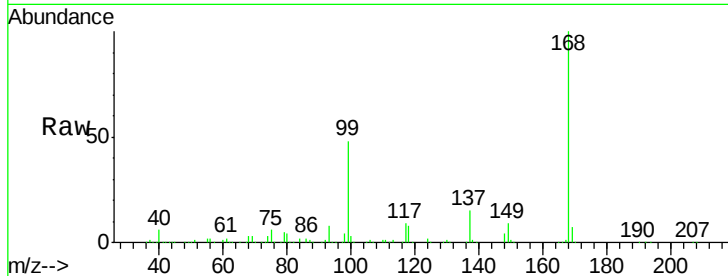
Tot Ion:117 Resp: 147136

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

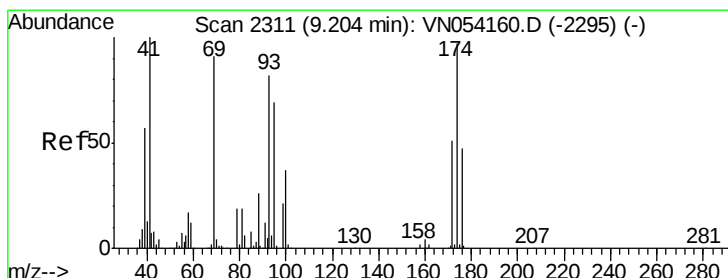
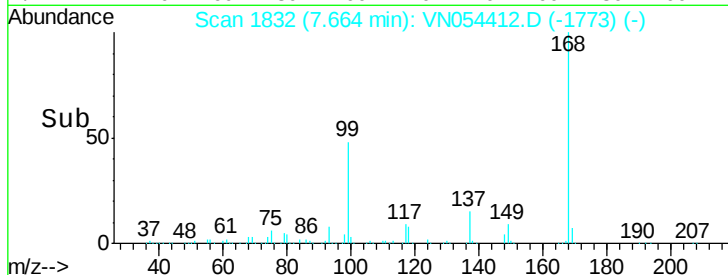
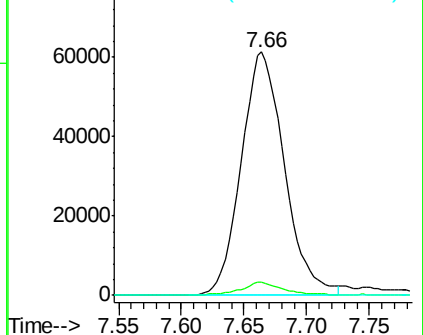
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.717 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

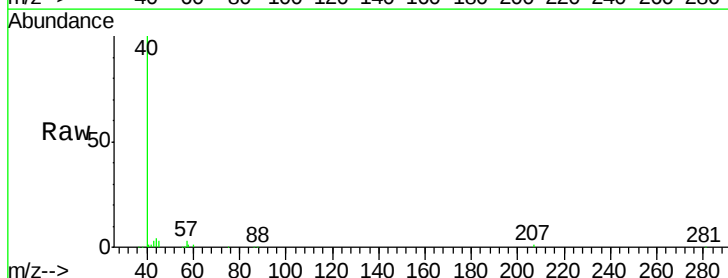
Tgt Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

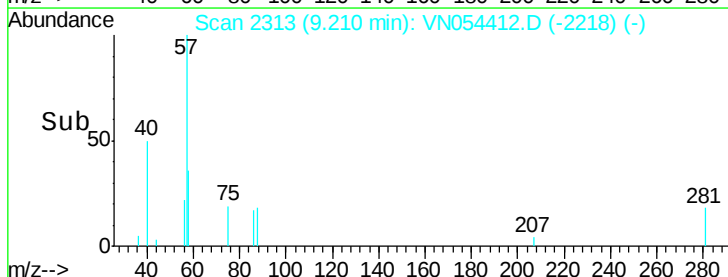
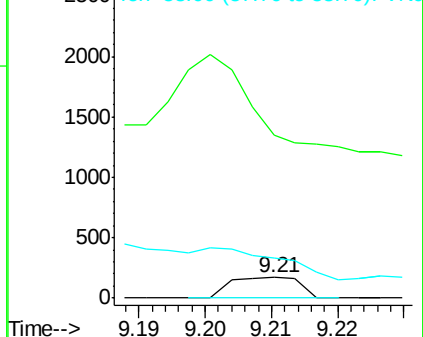
58 0.0 50.8 76.2#

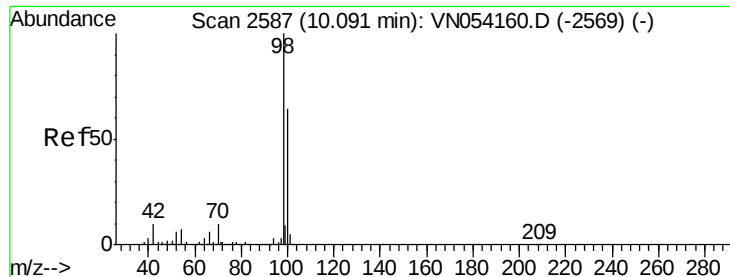


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 48.550 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampleId :

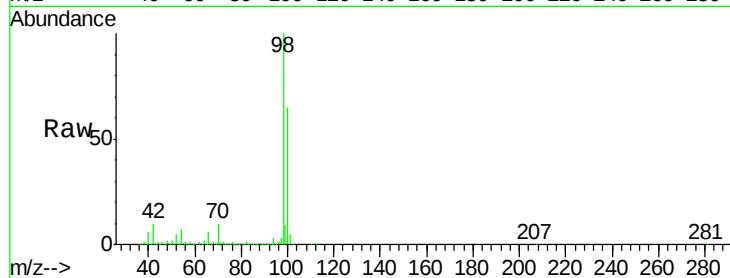
30303

Tot Ion: 98 Resp: 2999056

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

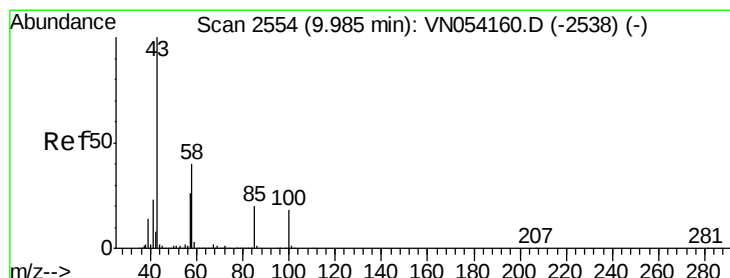
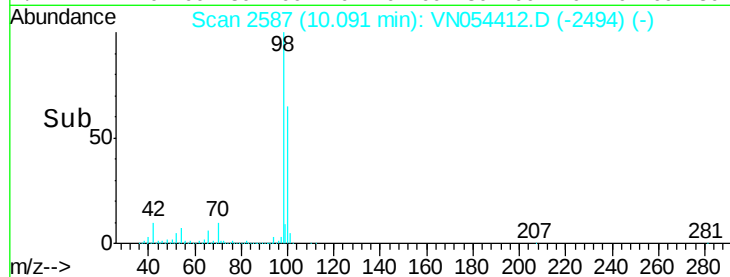
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.579 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054412.D

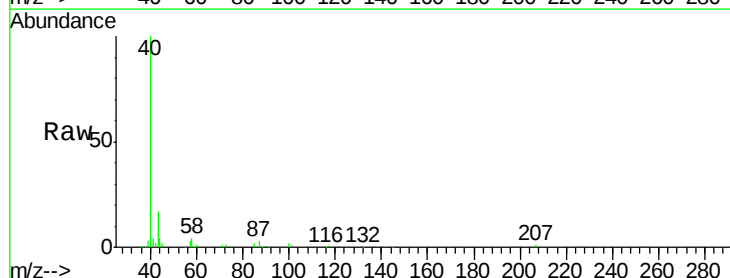
Acq: 19 Mar 2019 00:28

Tgt Ion: 43 Resp: 20130

Ion Ratio Lower Upper

43 100

58 21.1 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

12000

10000

8000

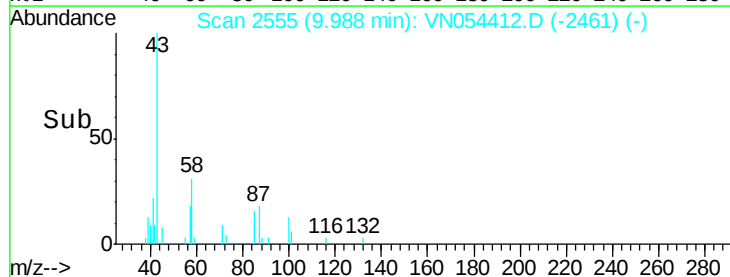
6000

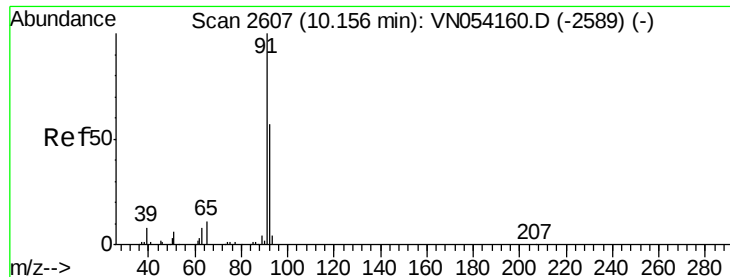
4000

2000

0

Time-->





#52

Toluene

Concen: 0.351 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampleId :

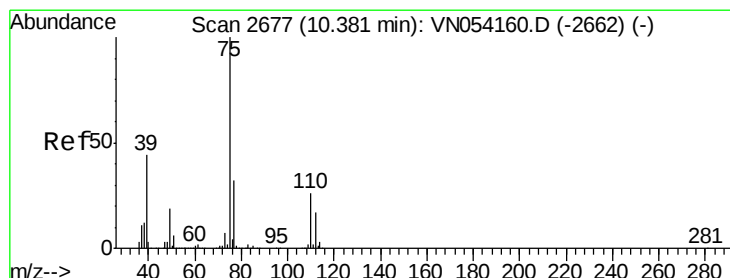
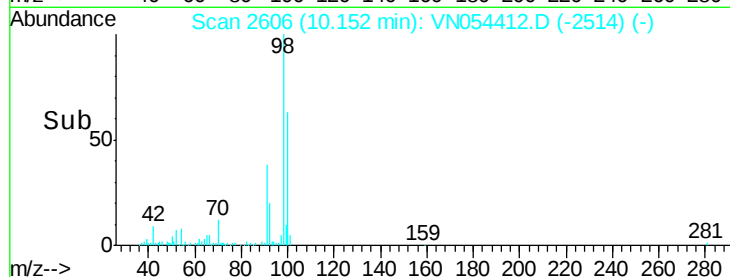
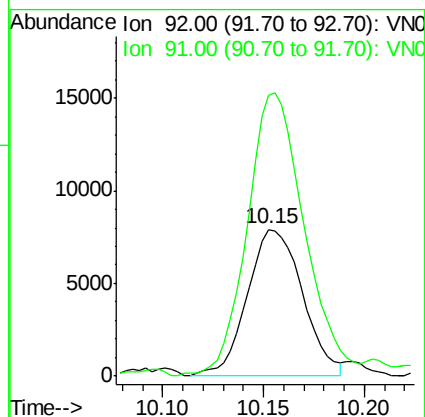
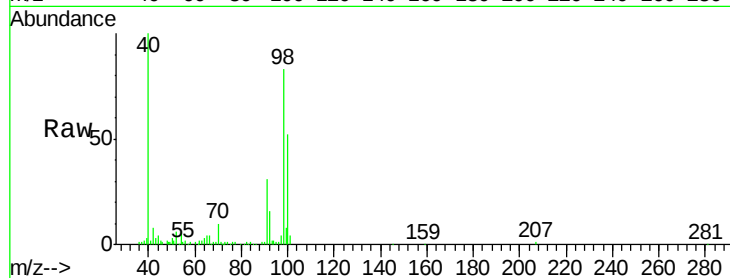
30303

Tot Ion: 92 Resp: 15193

Ion Ratio Lower Upper

92 100

91 199.0 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 1.990 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054412.D

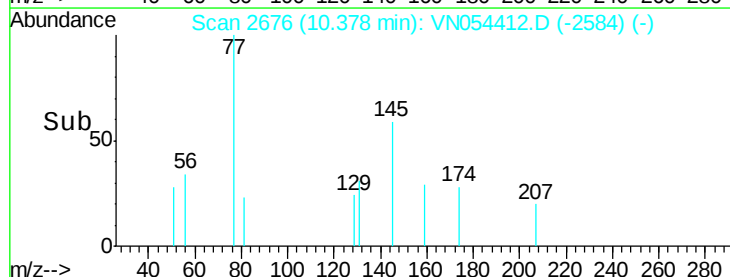
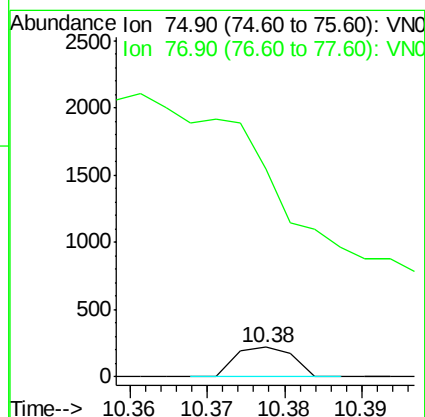
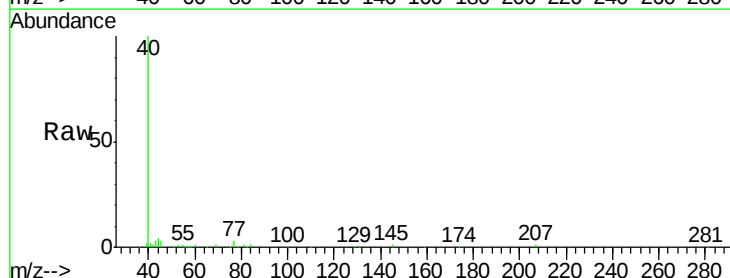
Acq: 19 Mar 2019 00:28

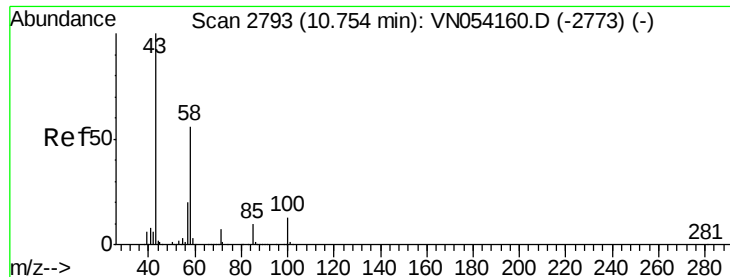
Tgt Ion: 75 Resp: 115

Ion Ratio Lower Upper

75 100

77 261.3 25.8 38.8#

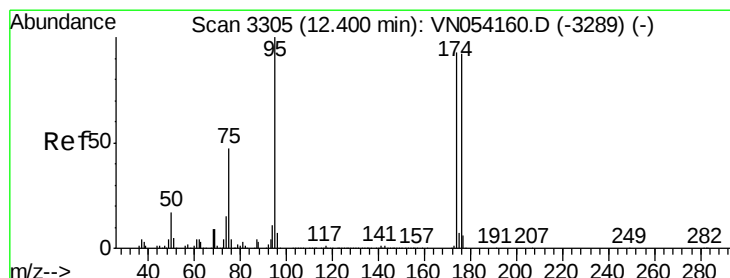
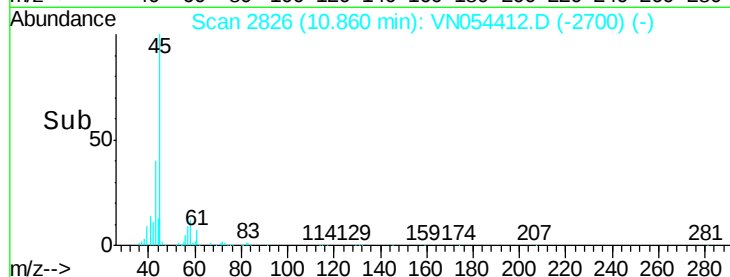
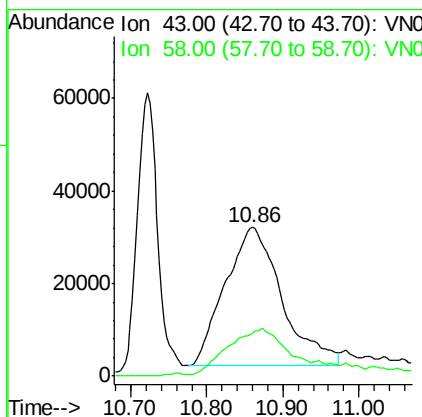
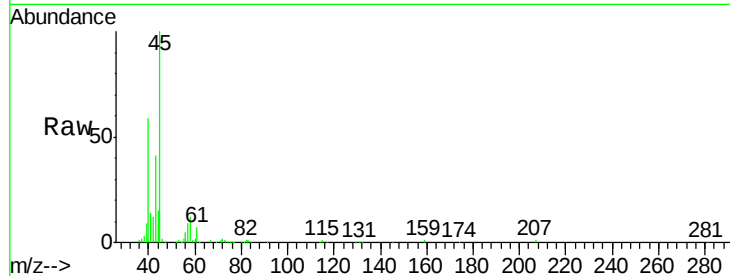




#59
2-Hexanone
Concen: 18.315 ug/l
RT: 10.86 min Scan# 2826
Delta R.T. 0.11 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

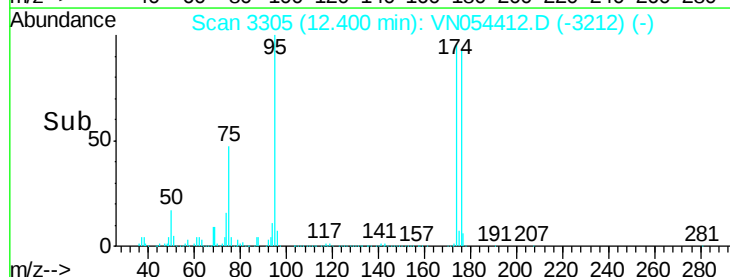
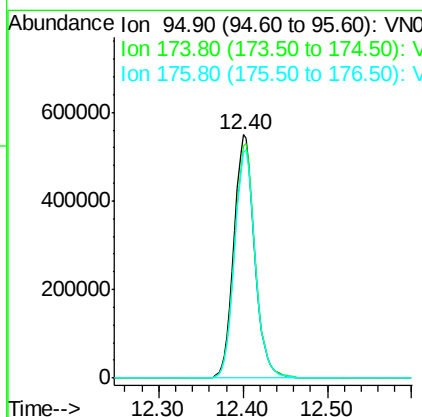
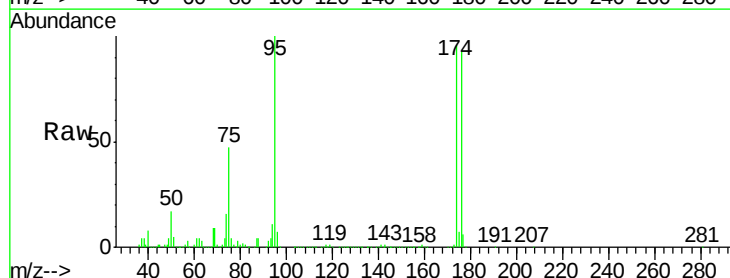
Instrument :
MSVOA_N
ClientSampled :
30303

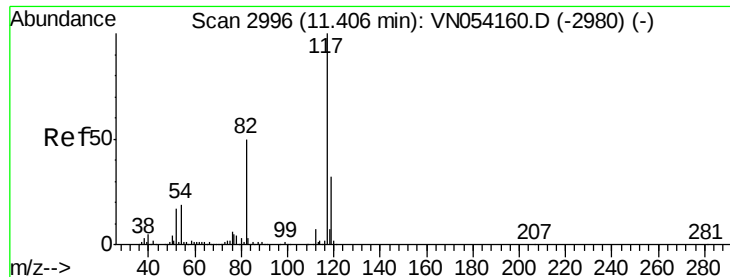
Tot Ion: 43 Resp: 155347
Ion Ratio Lower Upper
43 100
58 33.4 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 43.298 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

Tgt Ion: 95 Resp: 935842
Ion Ratio Lower Upper
95 100
174 96.0 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: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampleId :

30303

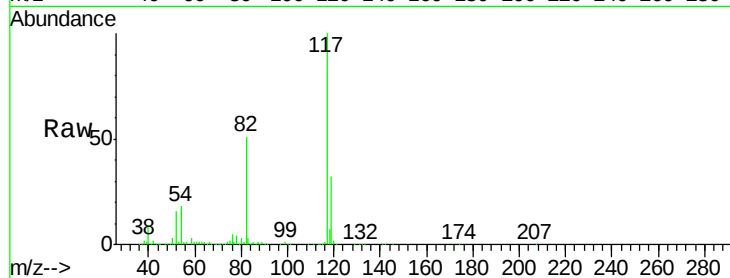
Tot Ion:117 Resp: 2205218

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

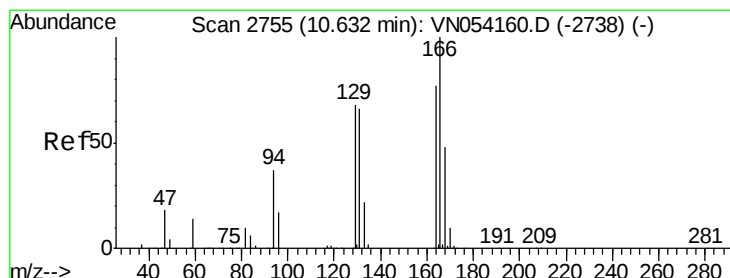
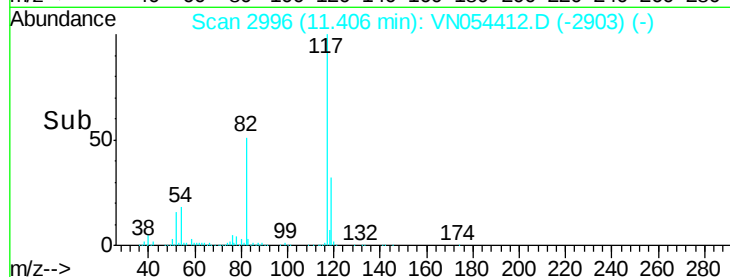
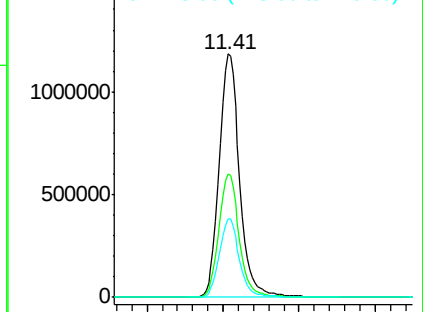
119 32.1 25.8 38.6



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



#64

Tetrachloroethene

Concen: 0.322 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Tgt Ion:164 Resp: 6859

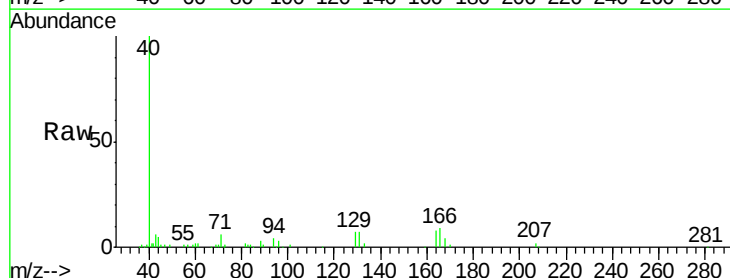
Ion Ratio Lower Upper

164 100

166 110.7 103.9 155.9

129 86.7 71.1 106.7

131 86.2 68.2 102.4

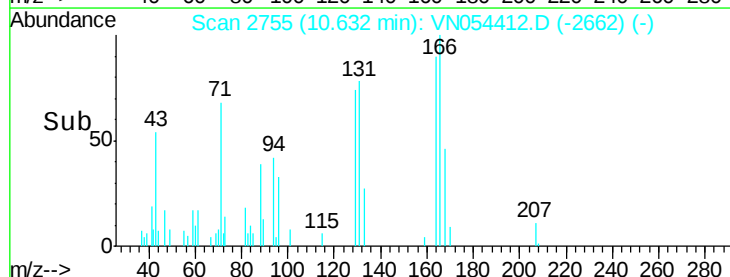
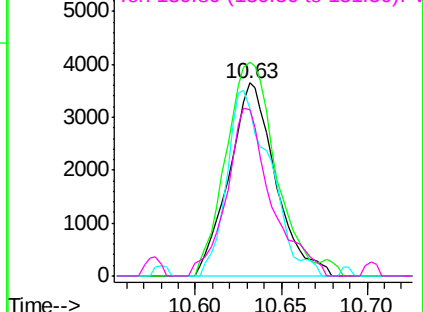


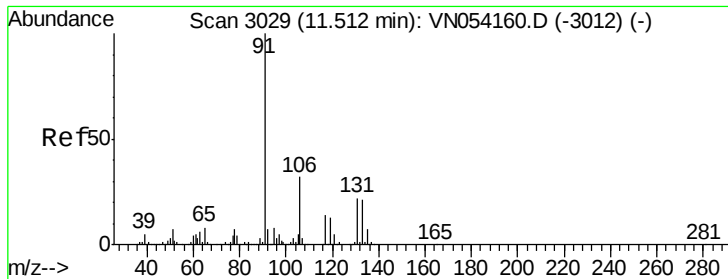
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 0.883 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampled :

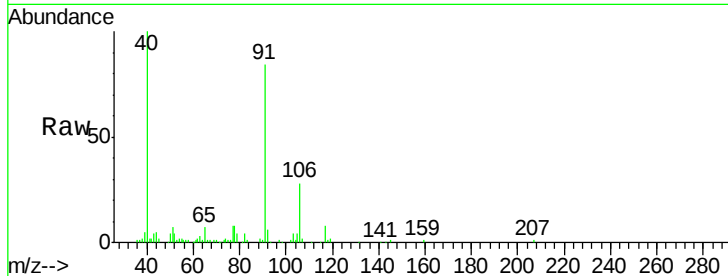
30303

Tot Ion: 91 Resp: 70869

Ion Ratio Lower Upper

91 100

106 33.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)

150000

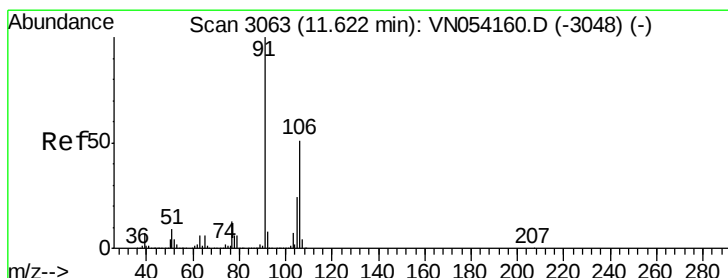
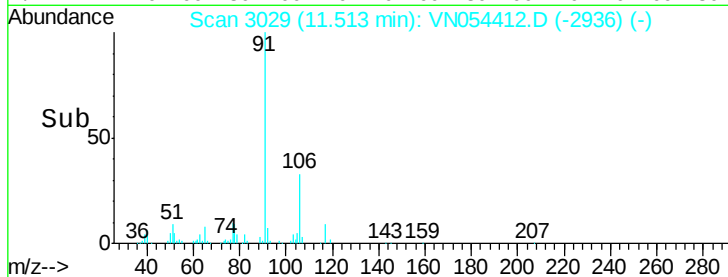
100000

50000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 4.744 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054412.D

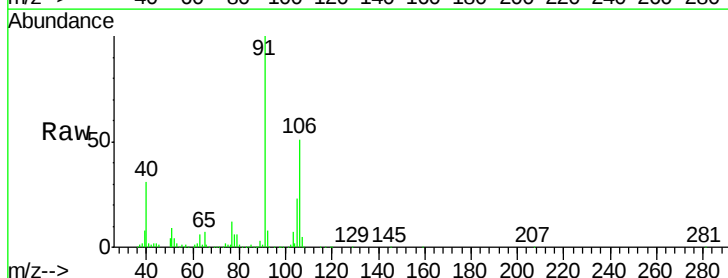
Acq: 19 Mar 2019 00:28

Tgt Ion: 106 Resp: 148811

Ion Ratio Lower Upper

106 100

91 197.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-3048) (-)

150000

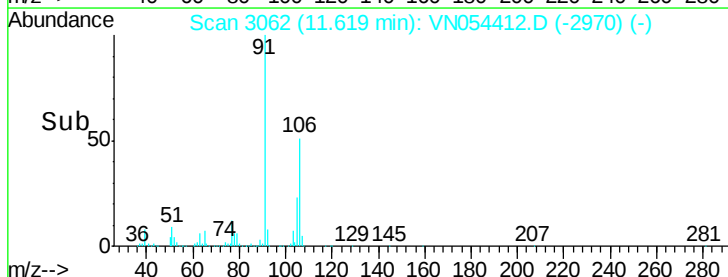
100000

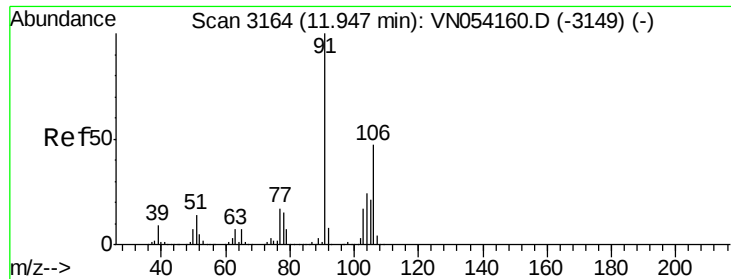
50000

0

11.60 11.62 11.70

Time-->

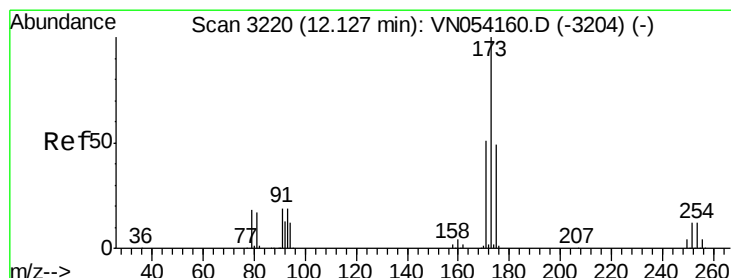
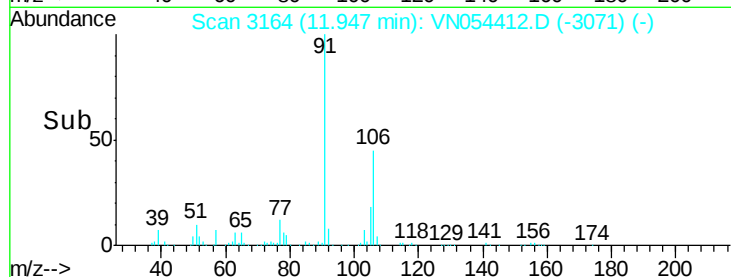
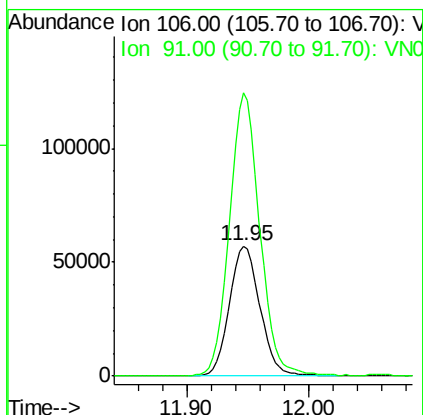
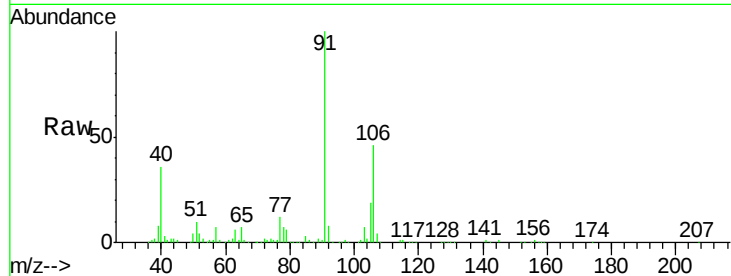




#69
o-Xylene
Concen: 3.283 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

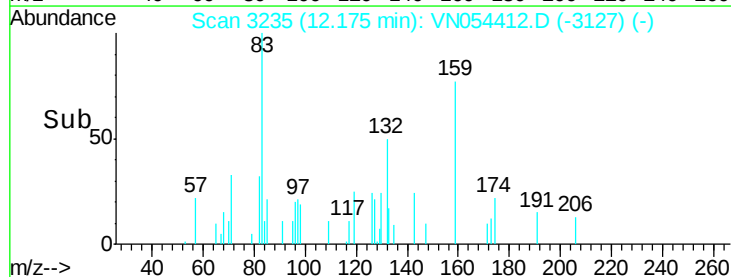
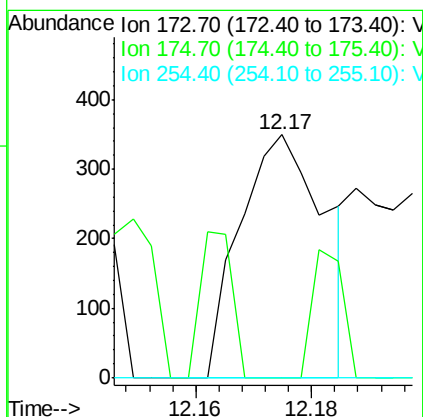
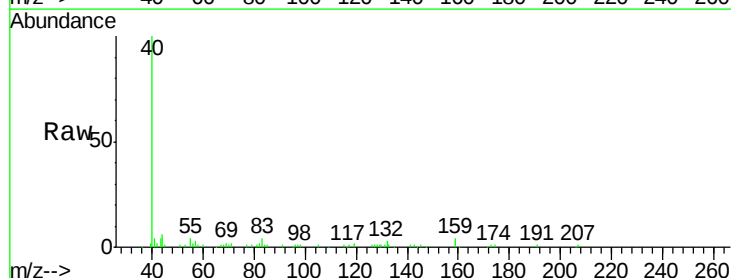
Instrument :
MSVOA_N
ClientSampled :
30303

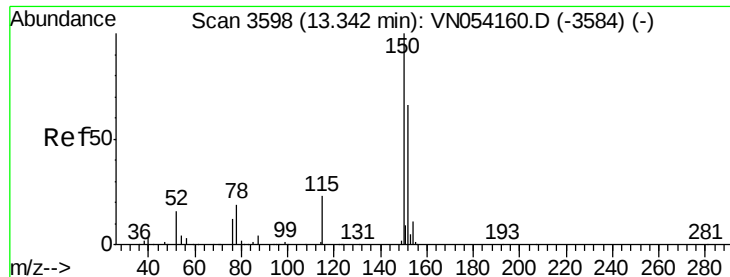
Tot Ion:106 Resp: 100392
Ion Ratio Lower Upper
106 100
91 213.5 105.7 317.1



#71
Bromoform
Concen: 2.376 ug/l
RT: 12.17 min Scan# 3235
Delta R.T. 0.05 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

Tgt Ion:173 Resp: 357
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampled :
30303

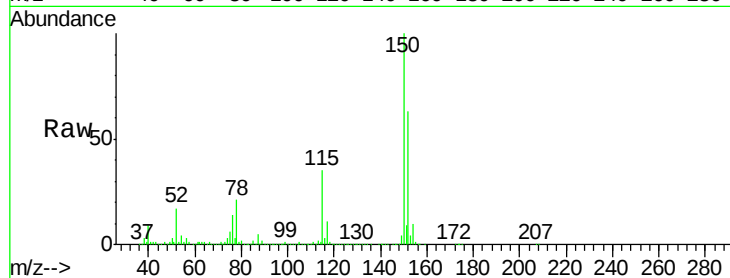
Tot Ion:152 Resp: 909209

Ion Ratio Lower Upper

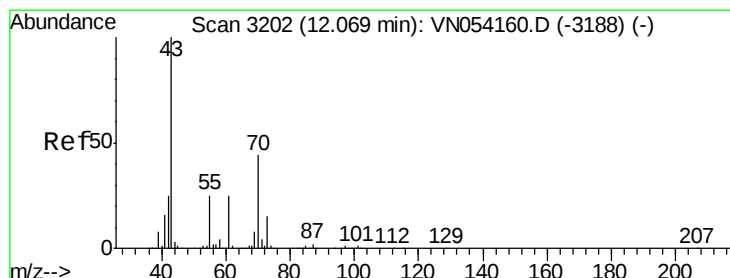
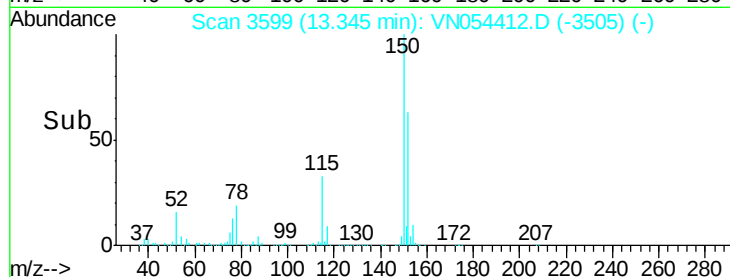
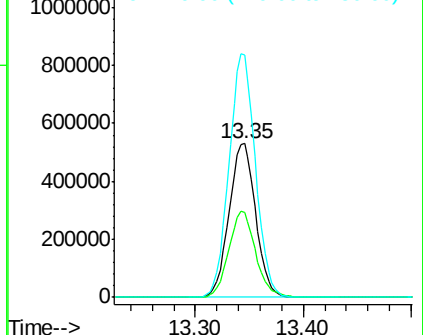
152 100

115 56.5 27.2 81.6

150 157.3 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



#74

N-ethyl acetate

Concen: 1.402 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Tgt Ion: 43 Resp: 22630

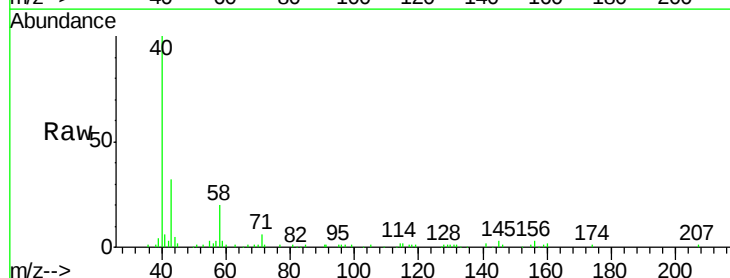
Ion Ratio Lower Upper

43 100

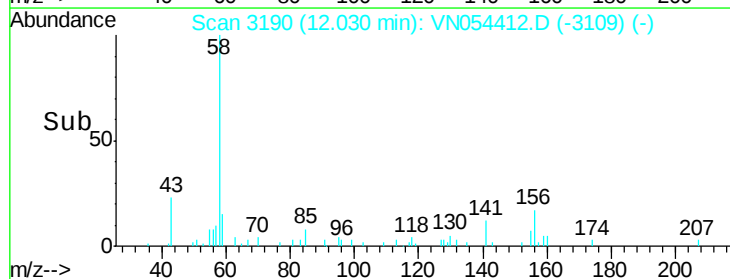
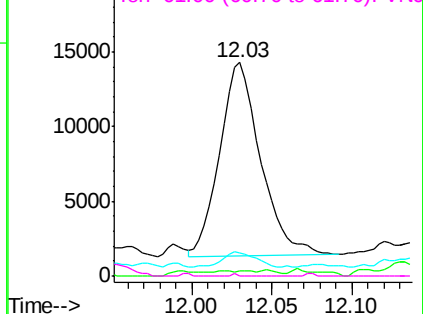
70 0.9 35.4 53.0#

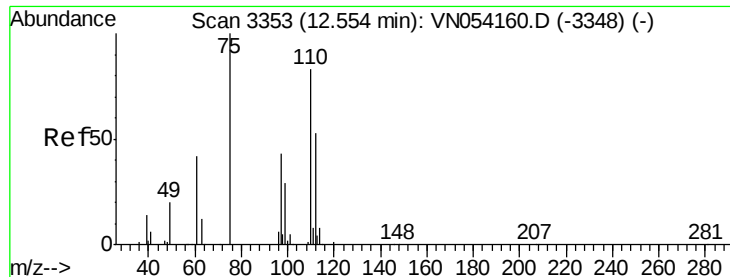
55 6.1 19.8 29.6#

61 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 33.130 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampleId :

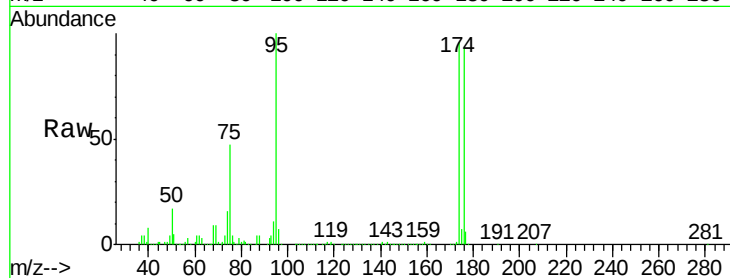
30303

Tot Ion: 75 Resp: 442954

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

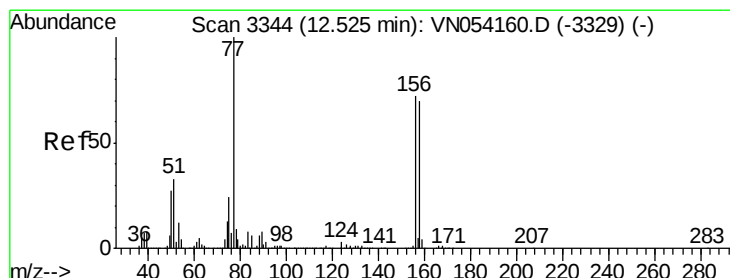
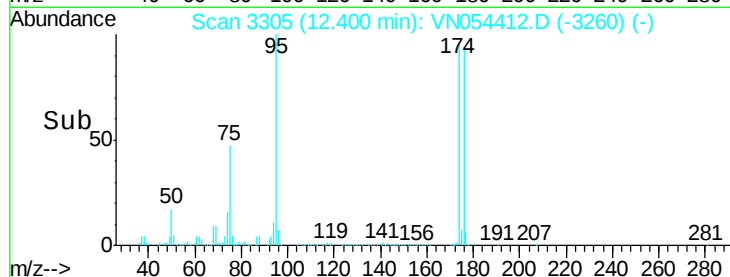
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 0.312 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

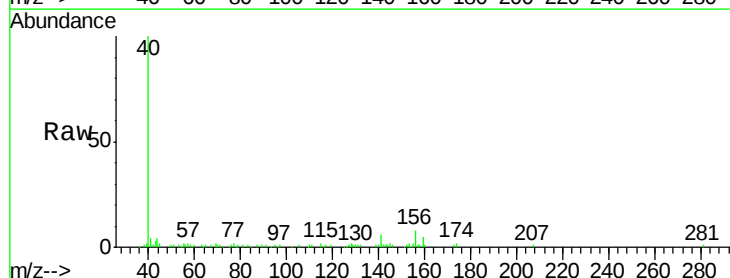
Tgt Ion: 156 Resp: 6008

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

158 3.8 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

5000

4000

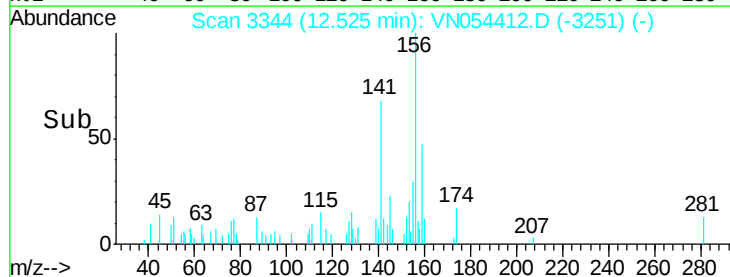
3000

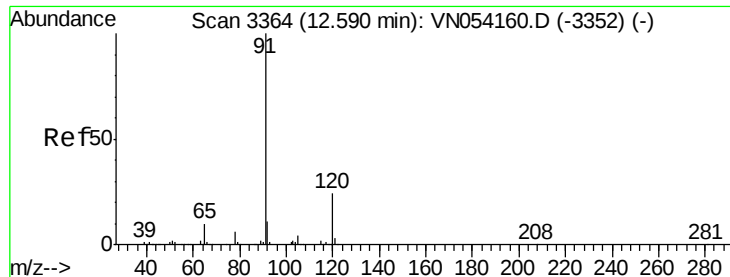
2000

1000

0

Time--> 12.45 12.50 12.55





#78

n-propylbenzene

Concen: 0.802 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampled :

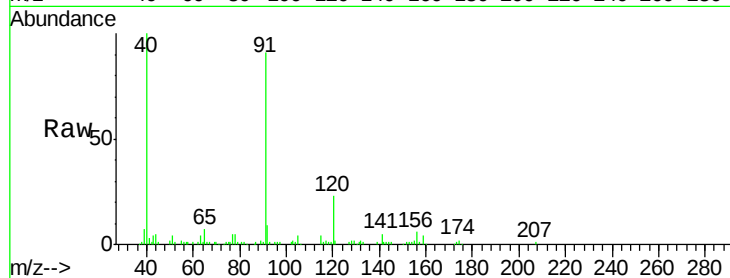
30303

Tot Ion: 91 Resp: 63291

Ion Ratio Lower Upper

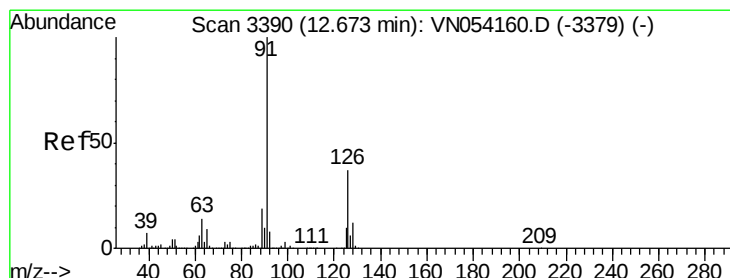
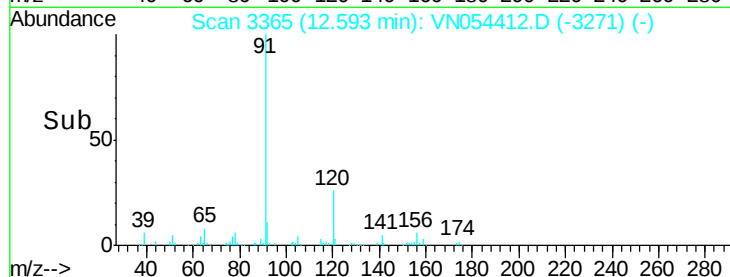
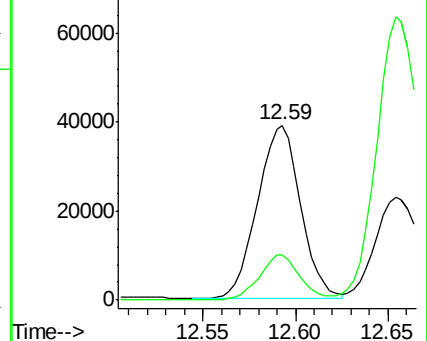
91 100

120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.755 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054412.D

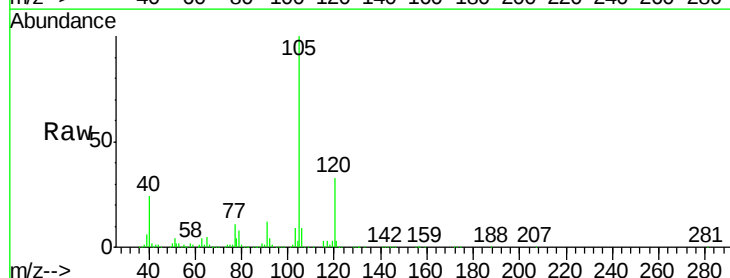
Acq: 19 Mar 2019 00:28

Tgt Ion: 91 Resp: 35829

Ion Ratio Lower Upper

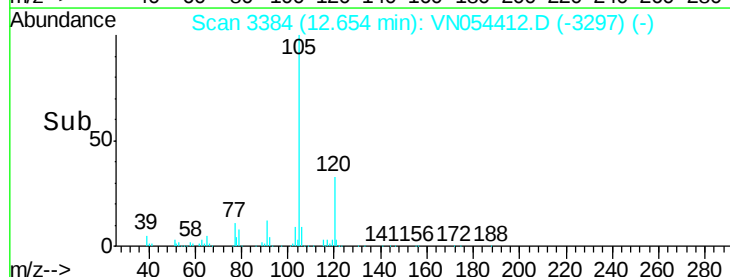
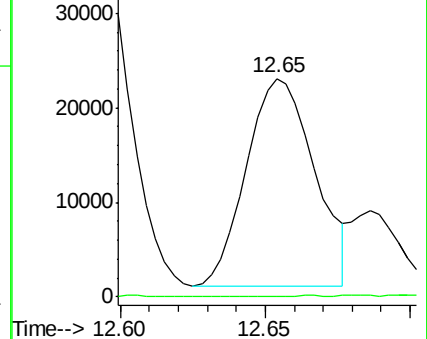
91 100

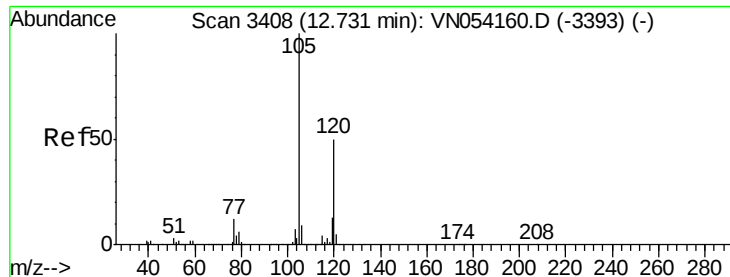
126 0.2 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 2.717 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampleId :

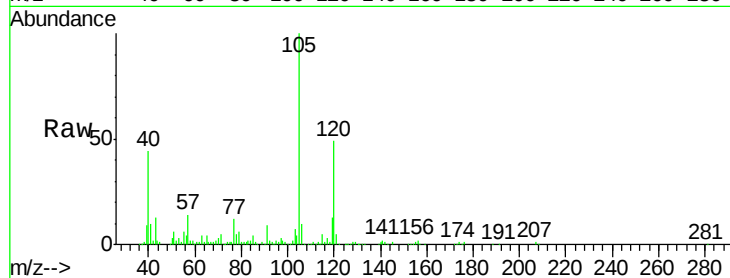
30303

Tot Ion:105 Resp: 164371

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

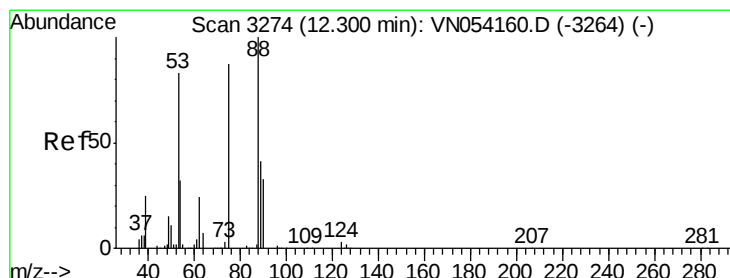
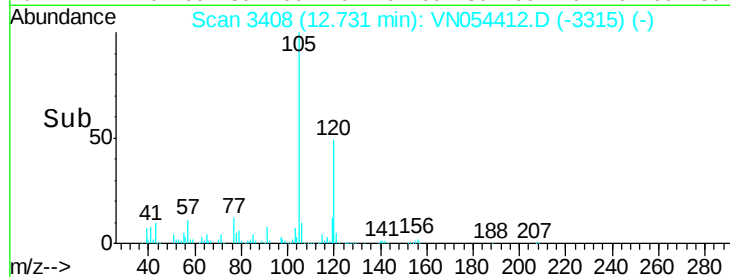
100000

50000

0

12.70 12.73 12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 113.252 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

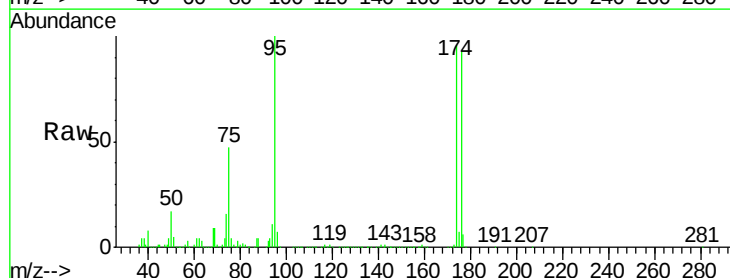
Tgt Ion: 75 Resp: 442954

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

300000

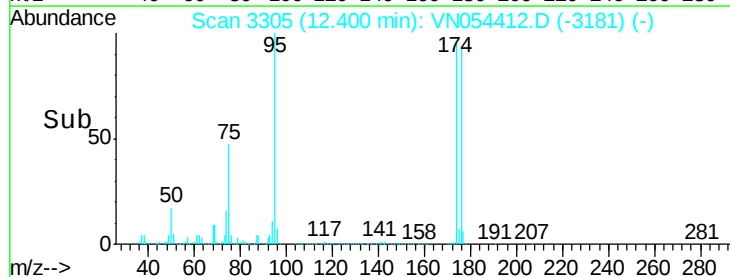
200000

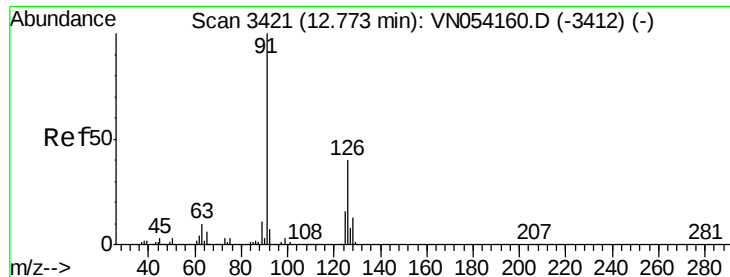
100000

0

12.30 12.40 12.50

Time-->

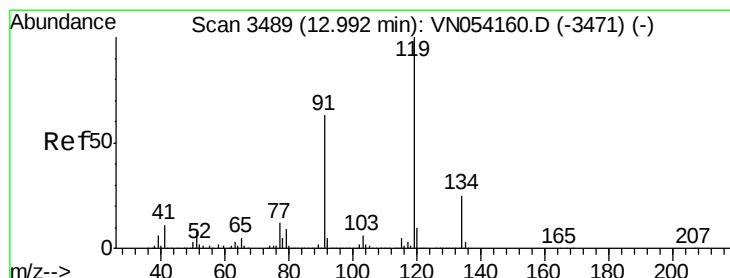
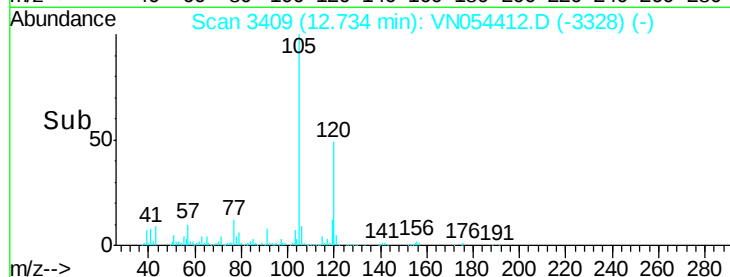
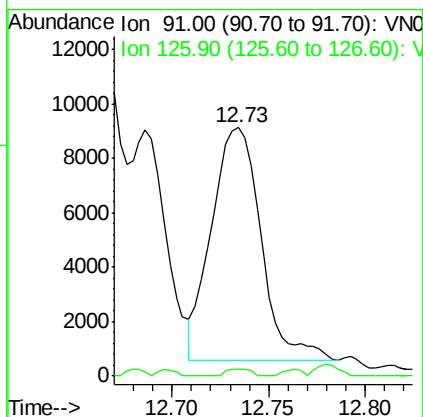
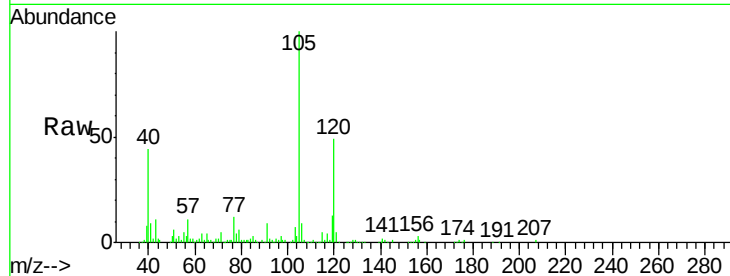




#82
4-Chlorotoluene
Concen: 0.322 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

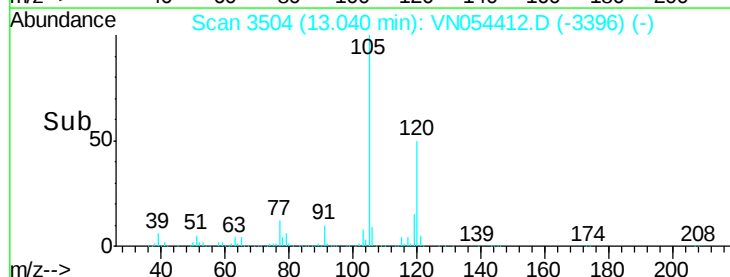
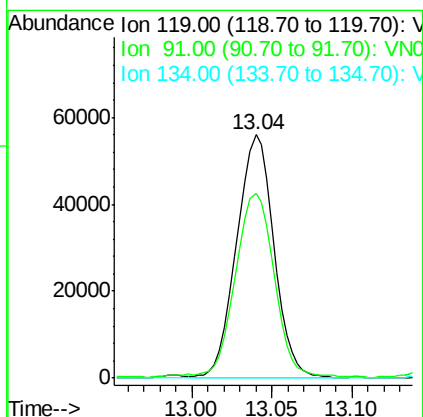
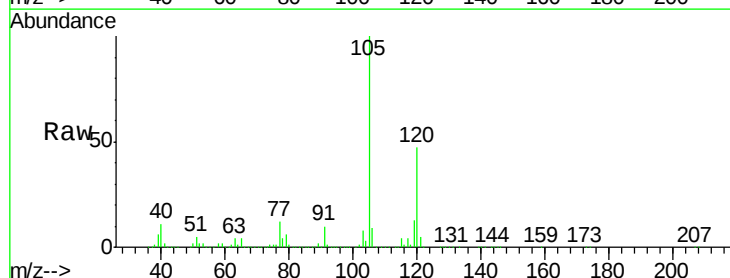
Instrument :
MSVOA_N
ClientSampleId :
30303

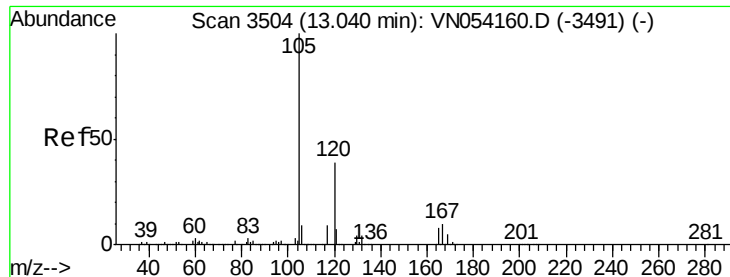
Tot Ion: 91 Resp: 15270
Ion Ratio Lower Upper
91 100
126 1.5 18.1 54.1#



#83
tert-Butylbenzene
Concen: 1.599 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

Tgt Ion: 119 Resp: 89028
Ion Ratio Lower Upper
119 100
91 79.0 30.9 92.8
134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 11.858 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

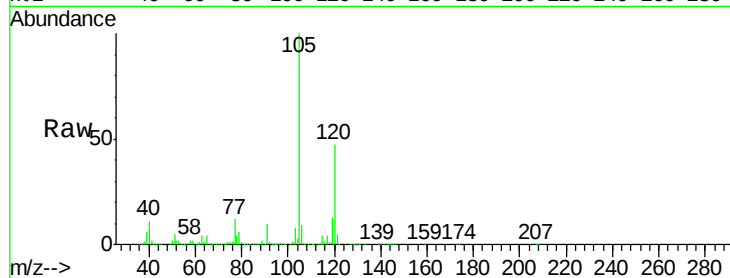
ClientSampled :
30303

Tot Ion:105 Resp: 703893

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

400000

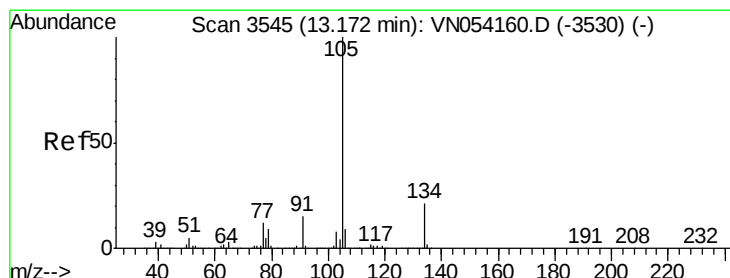
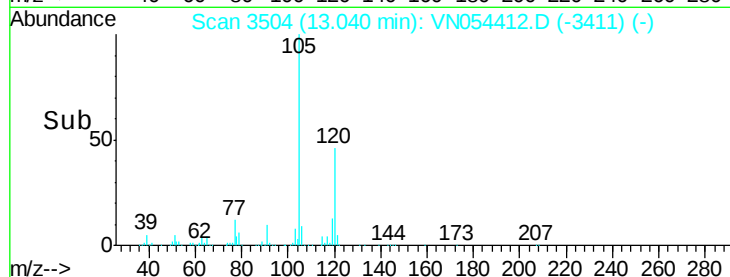
300000

200000

100000

0

Time-->



#85

sec-Butylbenzene

Concen: 9.746 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054412.D

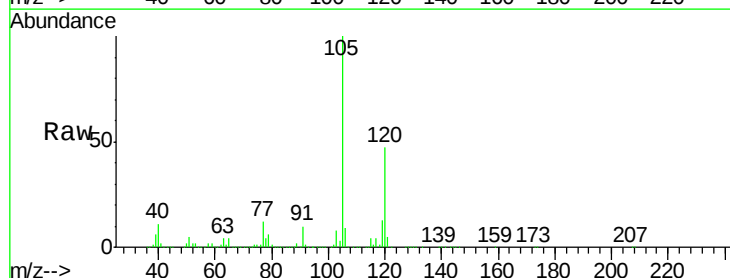
Acq: 19 Mar 2019 00:28

Tgt Ion:105 Resp: 703893

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.04

400000

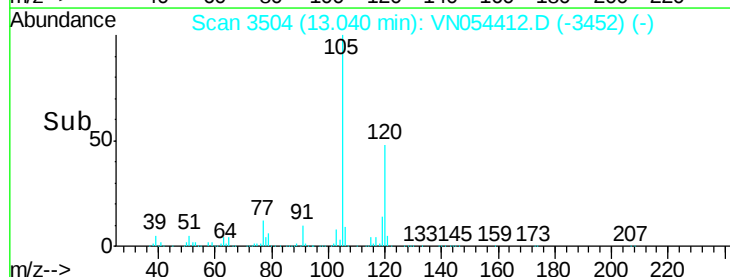
300000

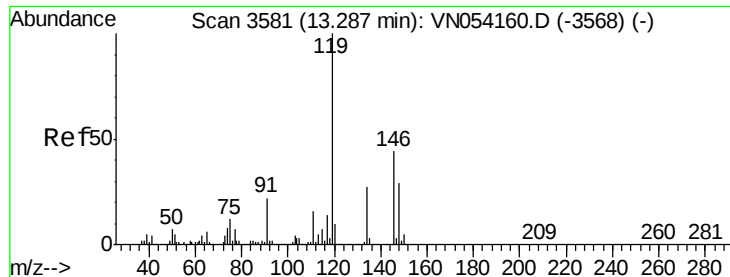
200000

100000

0

Time-->

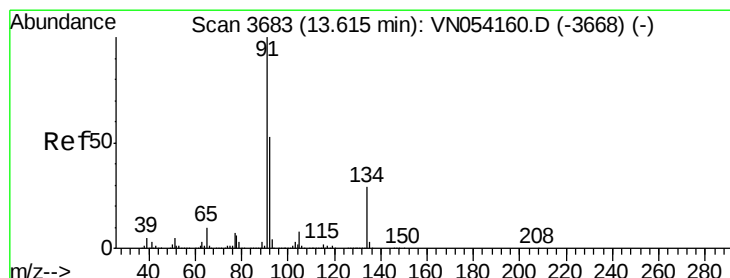
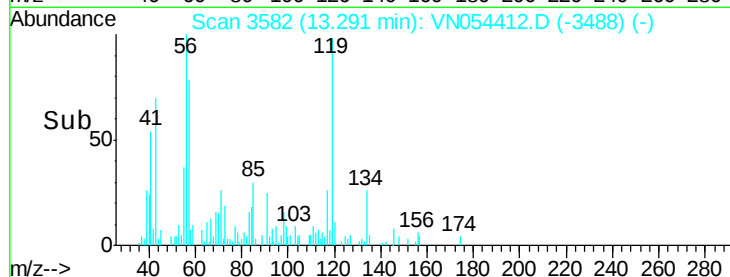
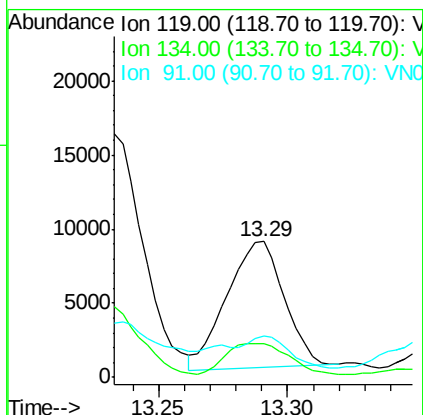
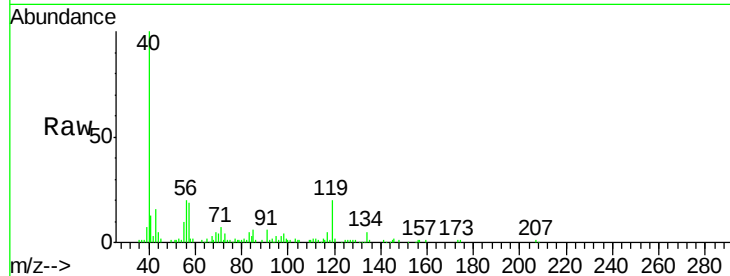




#86
p-Isopropyltoluene
Concen: 0.209 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

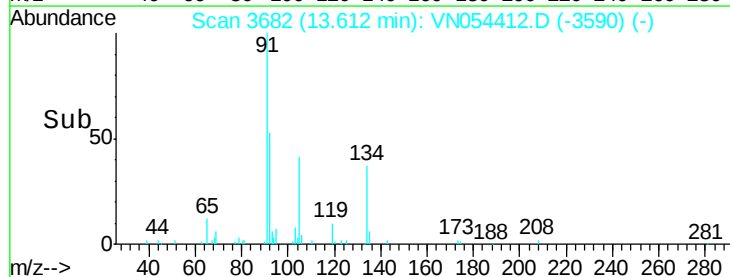
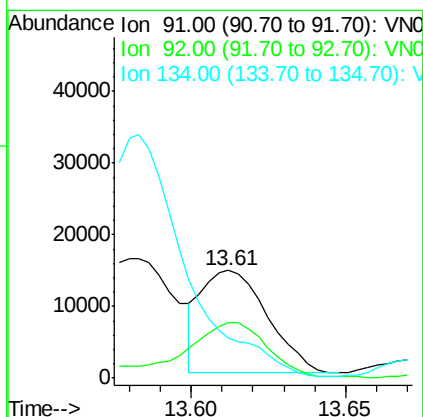
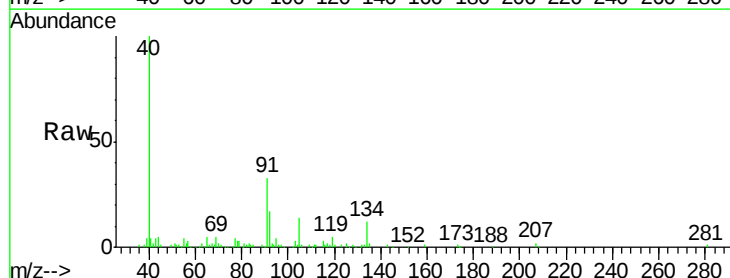
Instrument :
MSVOA_N
ClientSampled :
30303

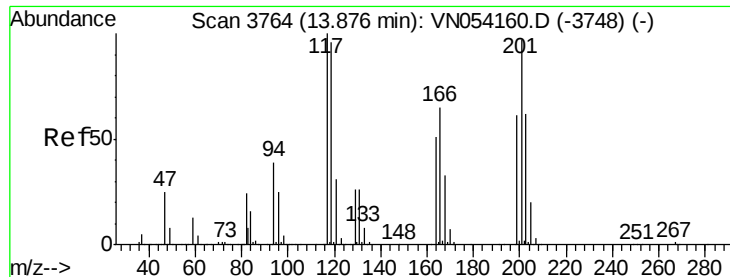
Tot Ion:119 Resp: 13227
Ion Ratio Lower Upper
119 100
134 27.5 13.6 40.8
91 18.6 11.1 33.3



#89
n-Butylbenzene
Concen: 0.444 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054412.D
Acq: 19 Mar 2019 00:28

Tgt Ion: 91 Resp: 21355
Ion Ratio Lower Upper
91 100
92 70.9 26.2 78.6
134 0.0 14.3 42.9#





#90

Hexachloroethane

Concen: 1.442 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

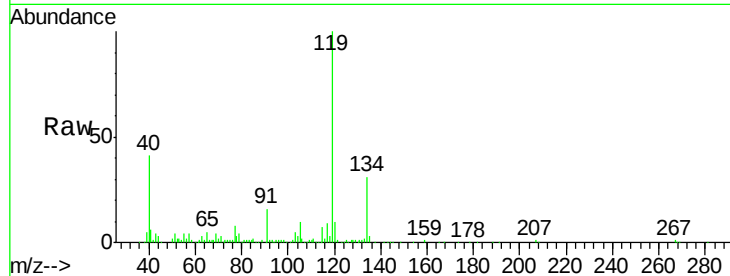
ClientSampled :
30303

Tot Ion:117 Resp: 15125

Ion Ratio Lower Upper

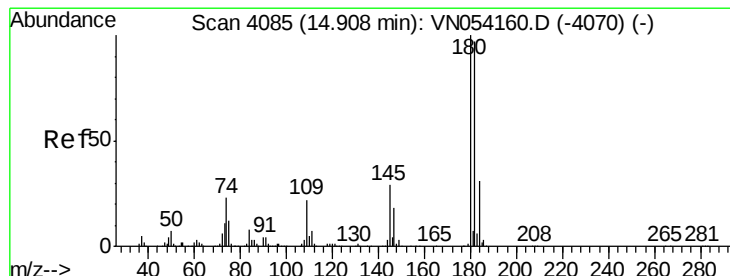
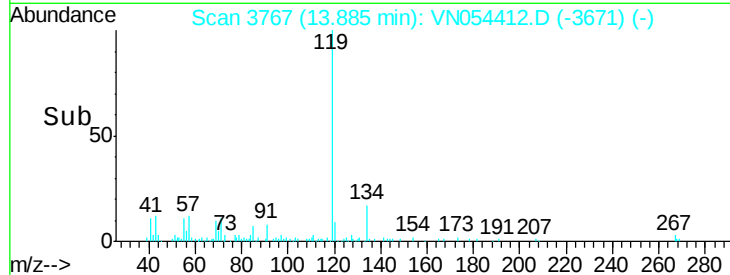
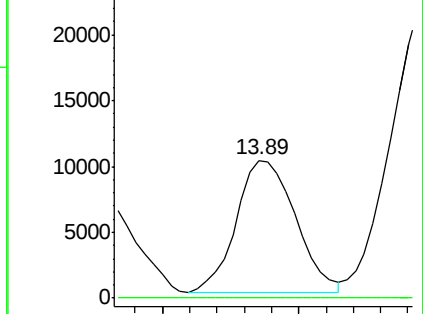
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 2.605 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

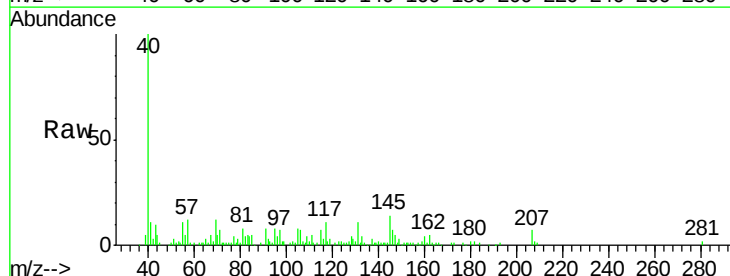
Tgt Ion:180 Resp: 1777

Ion Ratio Lower Upper

180 100

182 149.1 48.0 144.2#

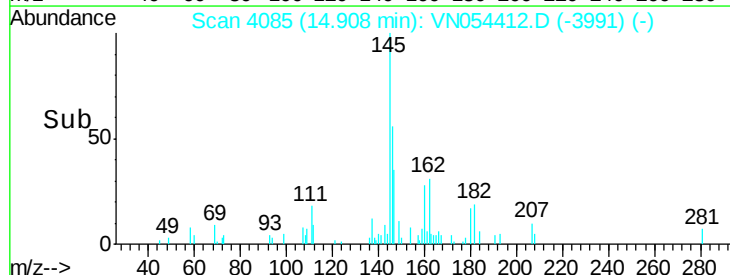
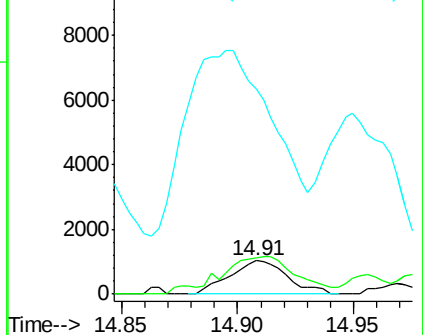
145 841.6 14.2 42.8#

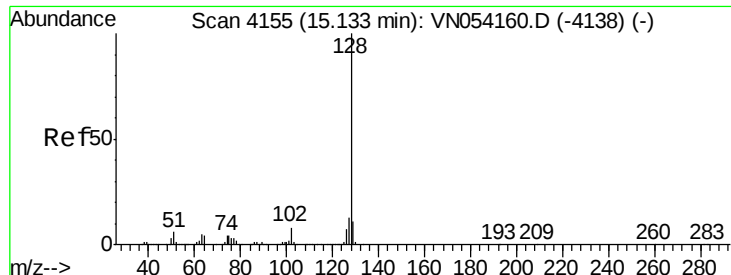


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 7.840 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054412.D

Acq: 19 Mar 2019 00:28

Instrument :

MSVOA_N

ClientSampleId :

30303

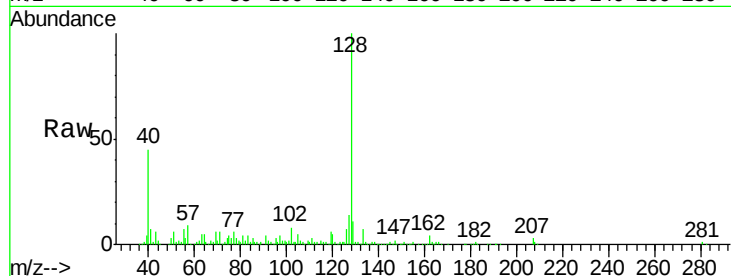
Tot Ion:128 Resp: 187282

Ion Ratio Lower Upper

128 100

127 14.8 10.1 15.1

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

