

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054388.D
 Acq On : 18 Mar 2019 12:37
 Operator : JC/SP
 Sample : K1960-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:10:00 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	1703542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2525511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2119643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	811923	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	862103	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.59	113	778429	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	10.09	98	2906667	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	874248	41.53	ug/l	0.00
Spiked Amount			Recovery	=	83.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	102	1.501	ug/l #	79
11) Tert butyl alcohol	4.82	59	4302	3.469	ug/l #	70
13) Acrolein	3.61	56	401	0.341	ug/l #	58
15) Acrylonitrile	5.04	53	2065	0.405	ug/l #	12
16) Acetone	3.82	43	791519	152.801	ug/l	96
18) Methyl Acetate	4.33	43	2349	0.224	ug/l #	72
19) Methyl tert-butyl Ether	5.05	73	500450	11.408	ug/l	98
25) 2-Butanone	6.85	43	32929	5.416	ug/l	96
31) Cyclohexane	7.67	56	41639	0.310	ug/l #	25
36) 1,1-Dichloropropene	7.66	75	99337	4.271	ug/l #	47
37) Ethyl Acetate	6.85	43	32929	2.464	ug/l #	68
38) Carbon Tetrachloride	7.66	117	141901	5.818	ug/l #	16
39) Methylcyclohexane	9.08	83	17596	0.615	ug/l	93
40) Benzene	8.04	78	63546	0.955	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	4101	0.330	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	110	1.990	ug/l #	42
55) 1,1,2-Trichloroethane	10.53	97	4829	0.313	ug/l #	20
68) m/p-Xylenes	11.62	106	18211	0.604	ug/l	97
69) o-Xylene	11.94	106	9777	0.333	ug/l	96
71) Bromoform	12.40	173	5354	2.747	ug/l #	1
73) Isopropylbenzene	12.25	105	224711	3.459	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	416975	34.923	ug/l #	100
77) Bromobenzene	12.54	156	6454	0.375	ug/l #	1
78) n-propylbenzene	12.59	91	277903	3.943	ug/l	100
79) 2-Chlorotoluene	12.59	91	277903	6.557	ug/l #	38
81) trans-1,4-Dichloro-2-buten	12.40	75	416975	119.384	ug/l #	11
82) 4-Chlorotoluene	12.59	91	277903	6.567	ug/l #	39
83) tert-Butylbenzene	12.99	119	24462	0.492	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	33687	0.636	ug/l	94
85) sec-Butylbenzene	13.17	105	116161	1.801	ug/l	84
86) p-Isopropyltoluene	13.44	119	52900	0.935	ug/l	96
89) n-Butylbenzene	13.61	91	23828	0.554	ug/l #	69
90) Hexachloroethane	13.89	117	27346	2.919	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.20	75	1739	0.812	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

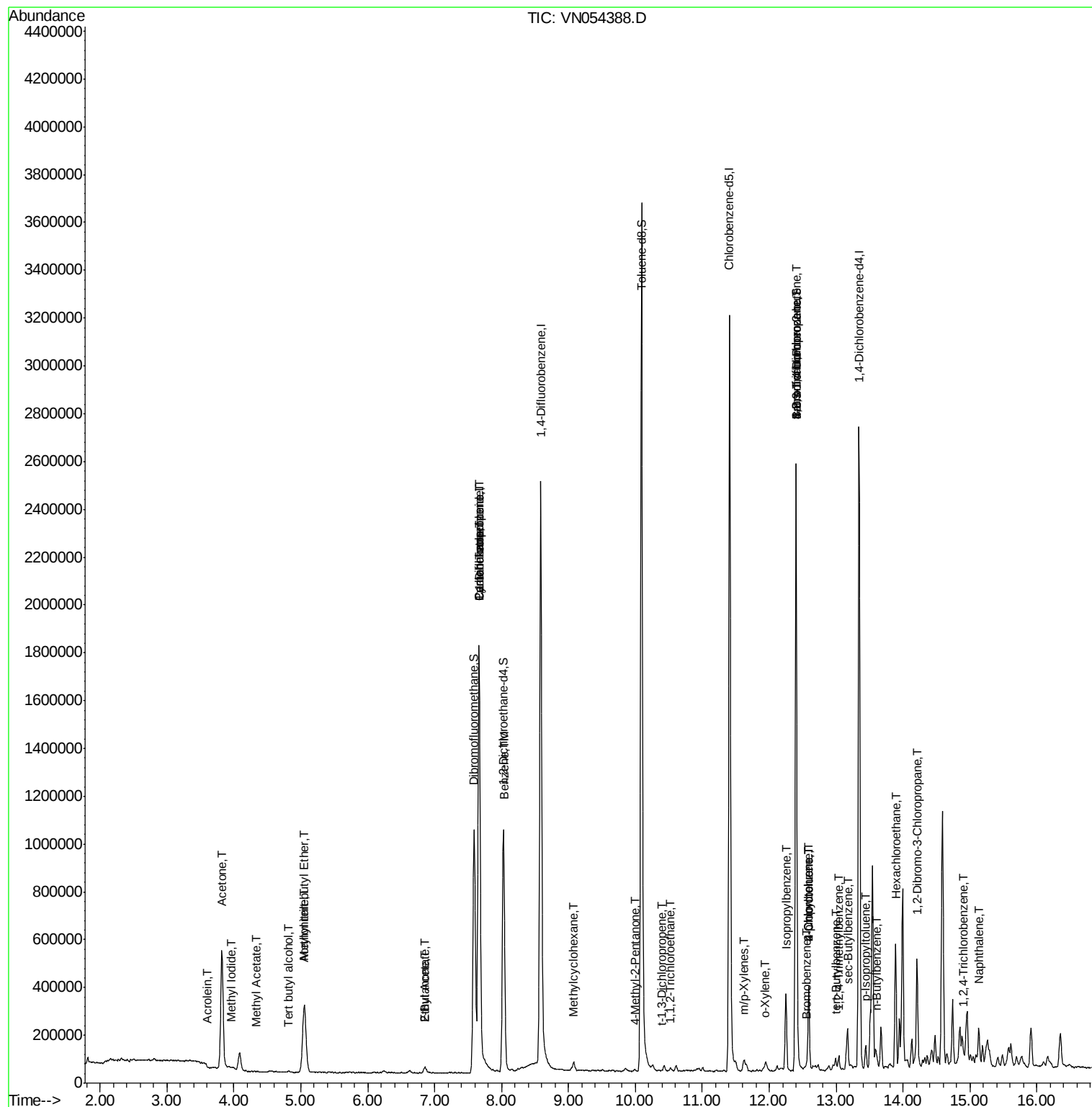
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	260	2.531	ug/l #	1
95) Naphthalene	15.13	128	146629	7.301	ug/l	97

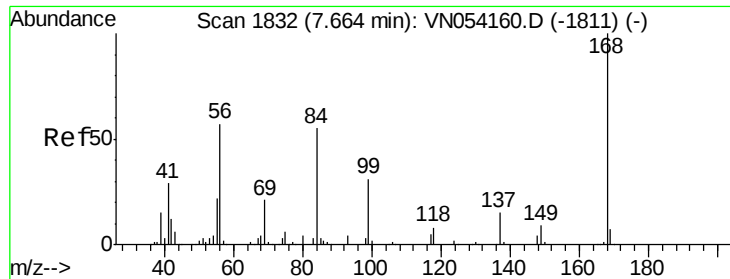
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054388.D

Acq: 18 Mar 2019 12:37

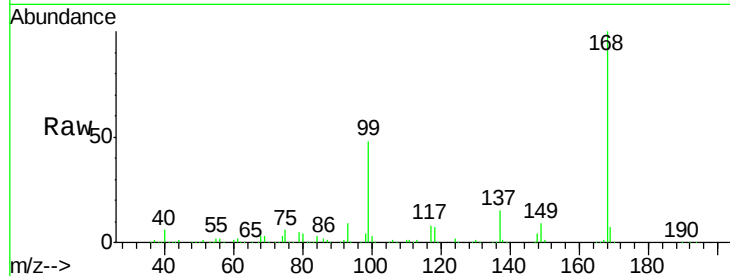
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1703542

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): VN

7.66

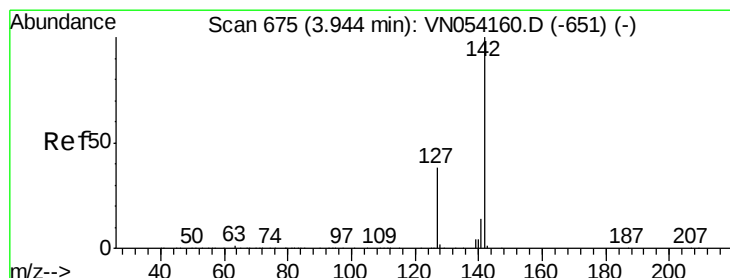
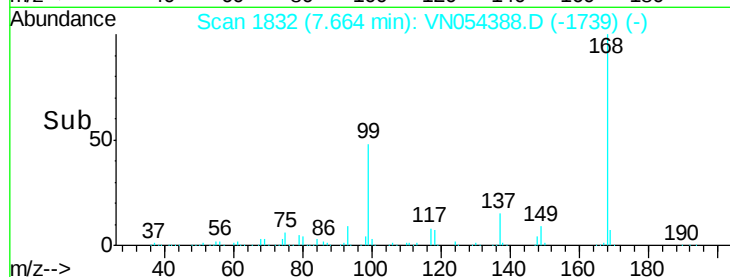
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.501 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

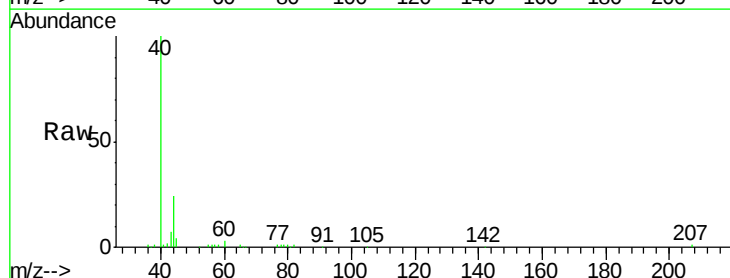
Tgt Ion:142 Resp: 102

Ion Ratio Lower Upper

142 100

127 28.4 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

250

200

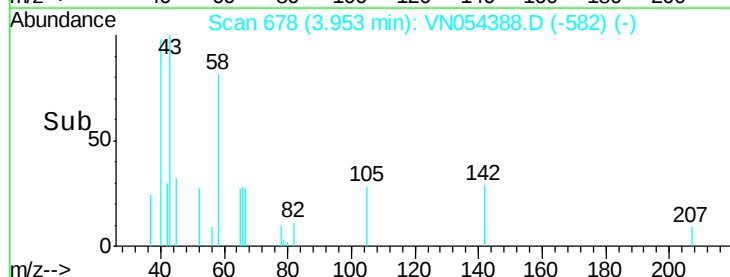
150

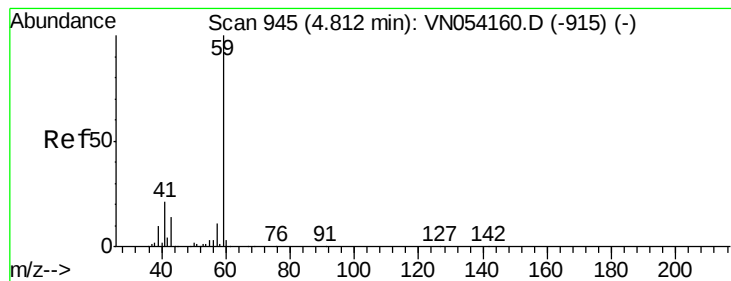
100

50

0

Time-->



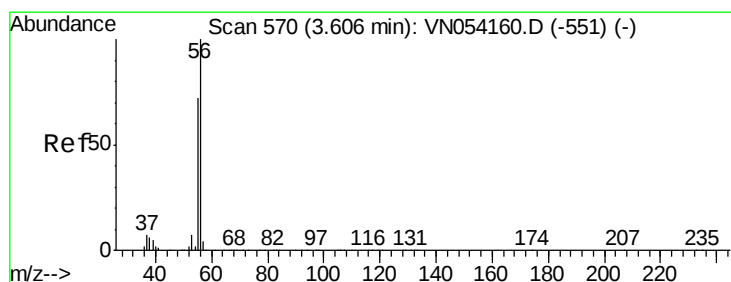
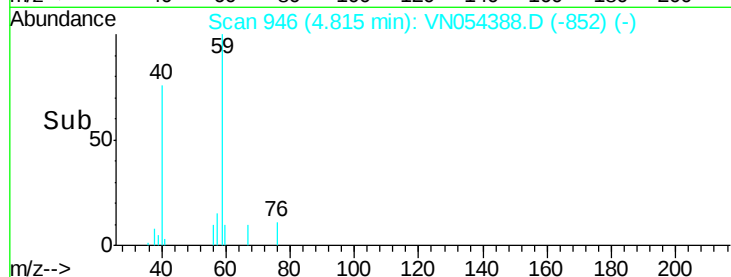
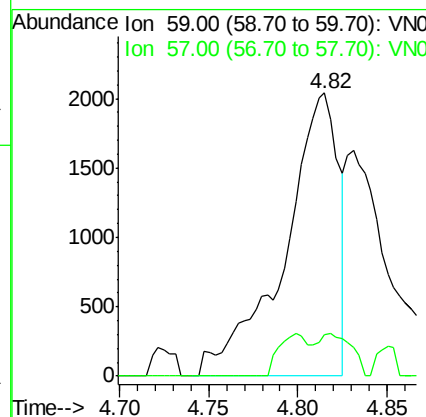
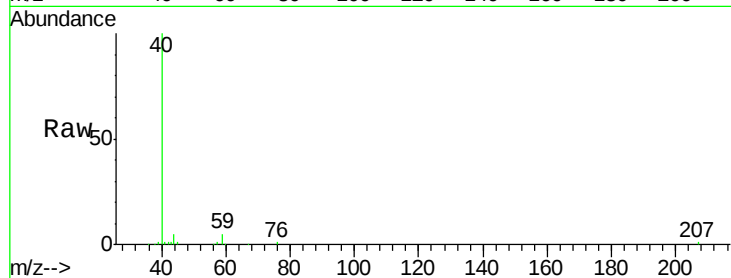


#11

Tert butyl alcohol
 Concen: 3.469 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054388.D
 Acq: 18 Mar 2019 12:37

Instrument :
 MSVOA_N
 ClientSampled :

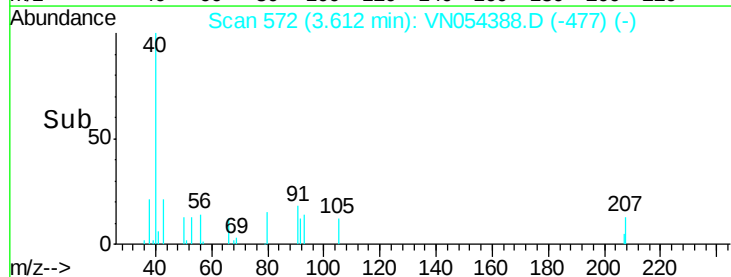
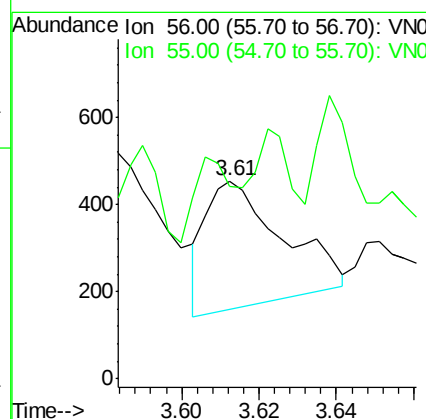
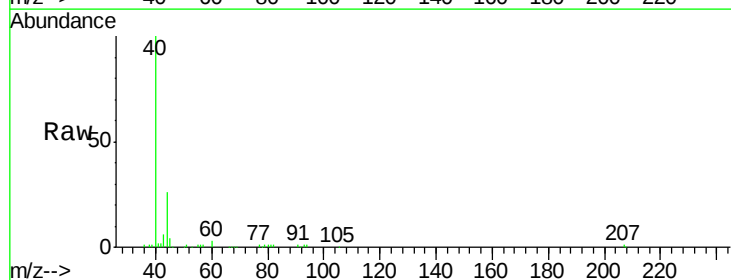
Tot Ion: 59 Resp: 4302
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

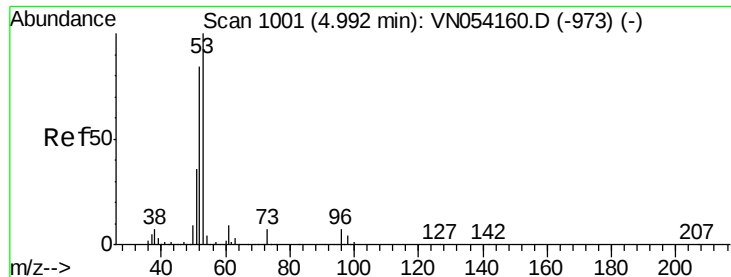


#13

Acrolein
 Concen: 0.341 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN054388.D
 Acq: 18 Mar 2019 12:37

Tgt Ion: 56 Resp: 401
 Ion Ratio Lower Upper
 56 100
 55 35.9 56.7 85.1#





#15

Acrylonitrile

Concen: 0.405 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.05 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampled :

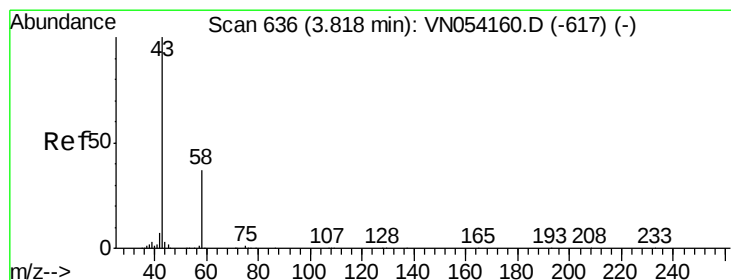
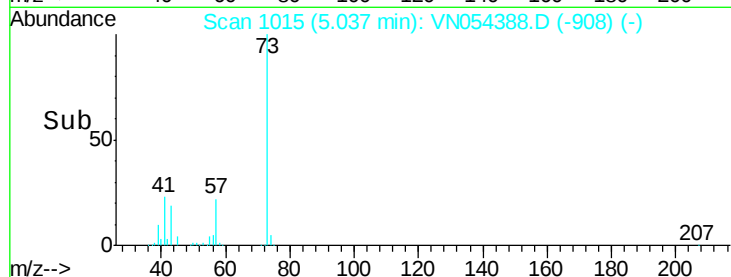
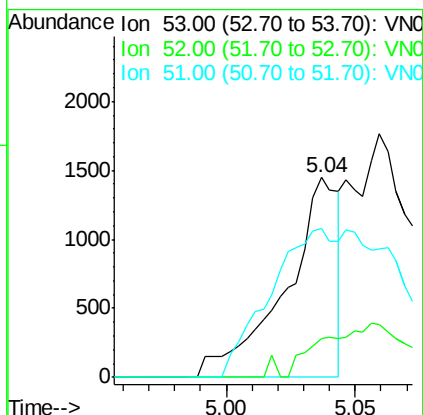
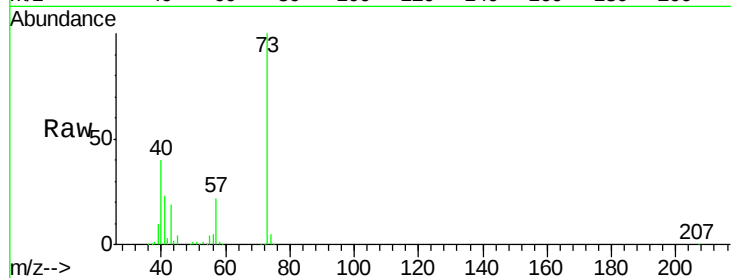
Tot Ion: 53 Resp: 2065

Ion Ratio Lower Upper

53 100

52 1.5 66.4 99.6#

51 85.1 29.6 44.4#



#16

Acetone

Concen: 152.801 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054388.D

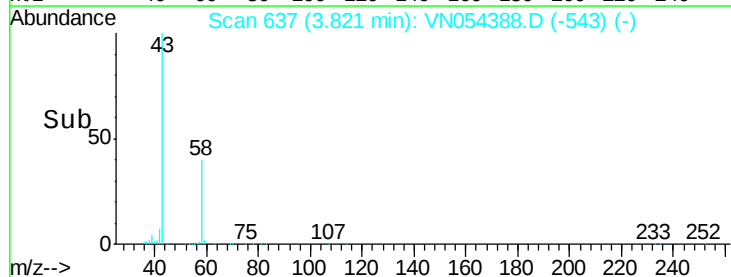
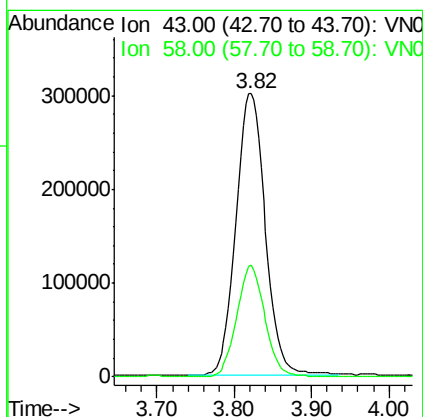
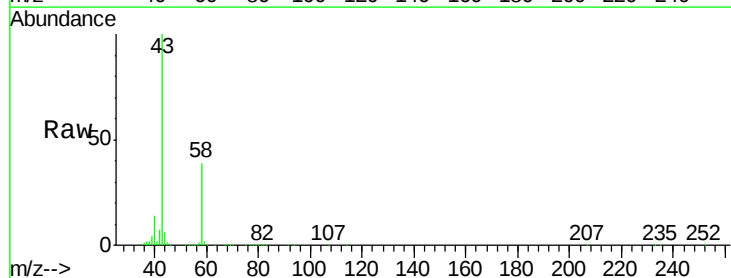
Acq: 18 Mar 2019 12:37

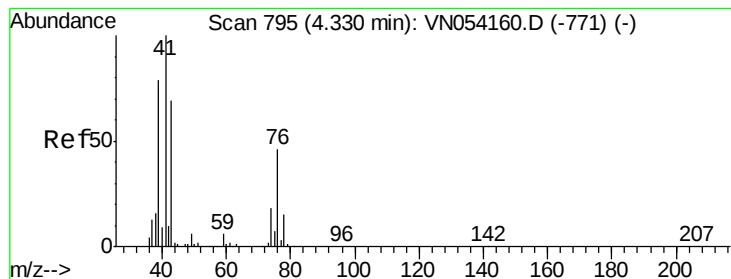
Tgt Ion: 43 Resp: 791519

Ion Ratio Lower Upper

43 100

58 39.6 29.9 44.9





#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

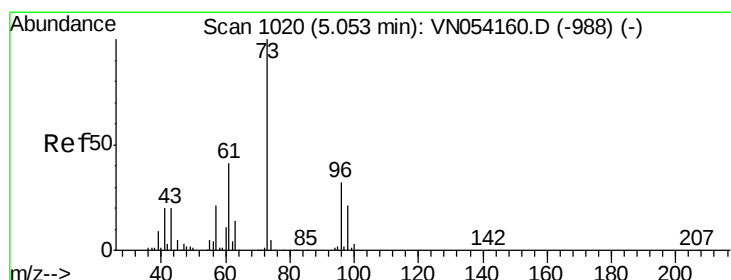
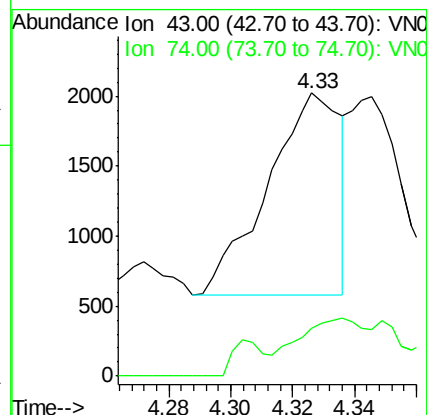
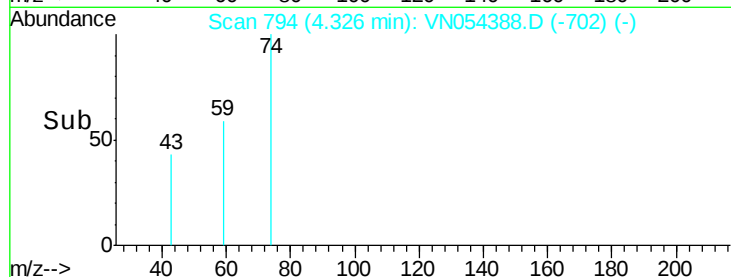
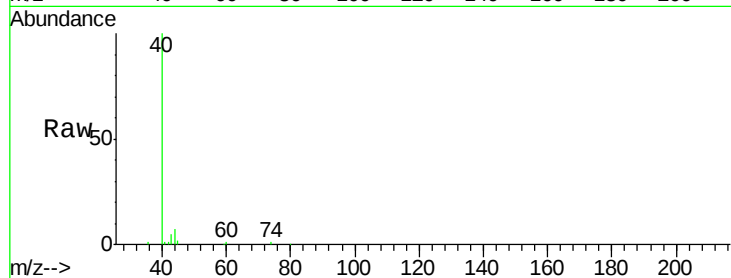
ClientSampled :

Tot Ion: 43 Resp: 2349

Ion Ratio Lower Upper

43 100

74 40.1 20.8 31.2#



#19

Methyl tert-butyl Ether

Concen: 11.408 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN054388.D

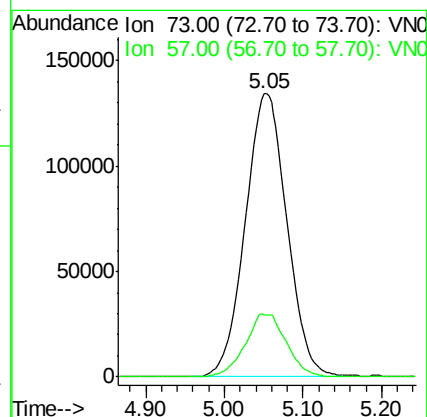
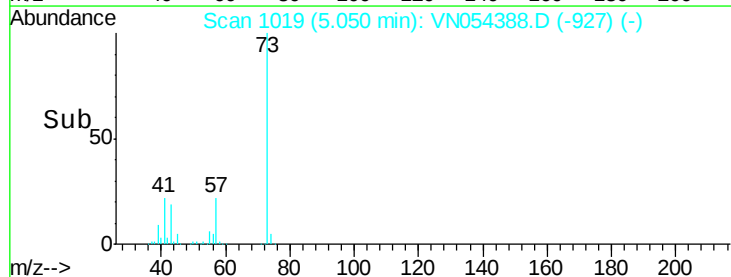
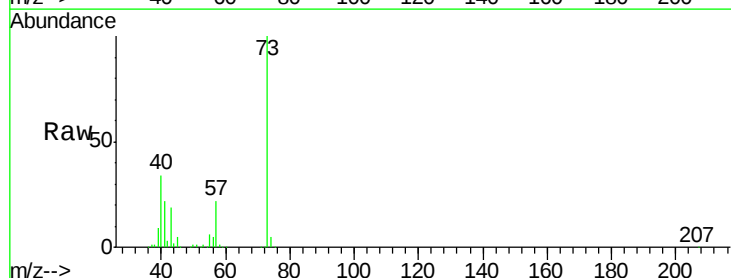
Acq: 18 Mar 2019 12:37

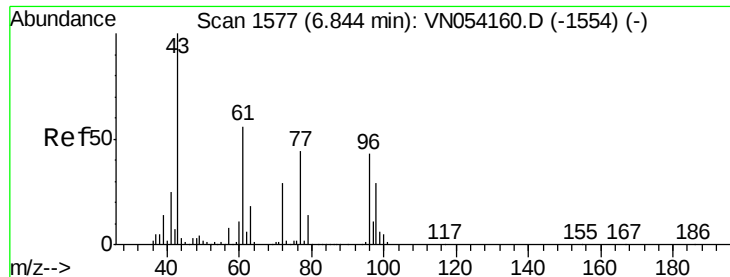
Tgt Ion: 73 Resp: 500450

Ion Ratio Lower Upper

73 100

57 22.0 16.8 25.2

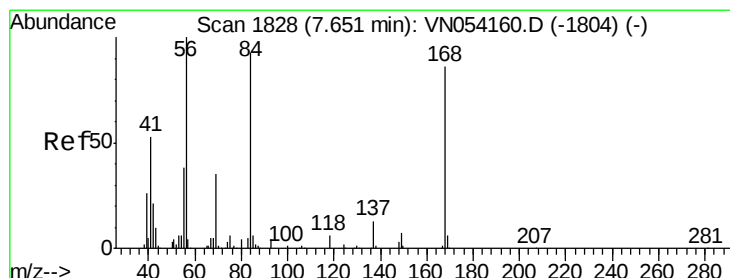
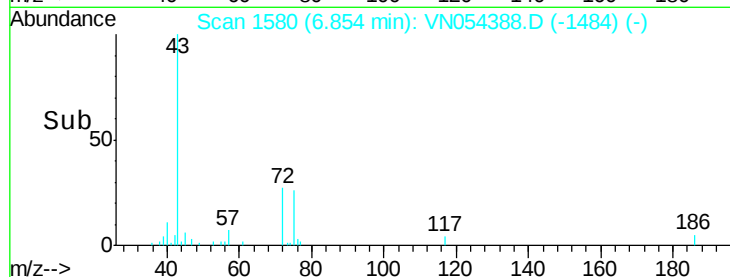
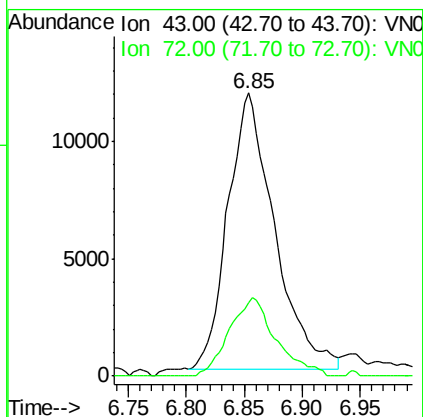
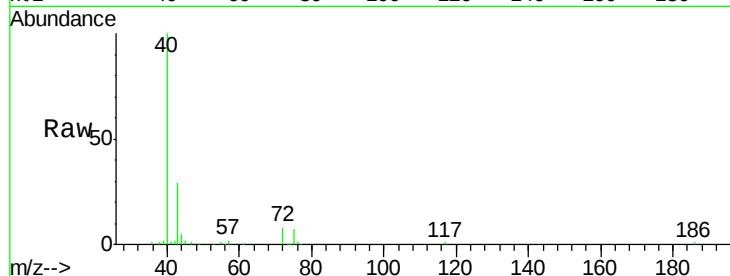




#25
2-Butanone
Concen: 5.416 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

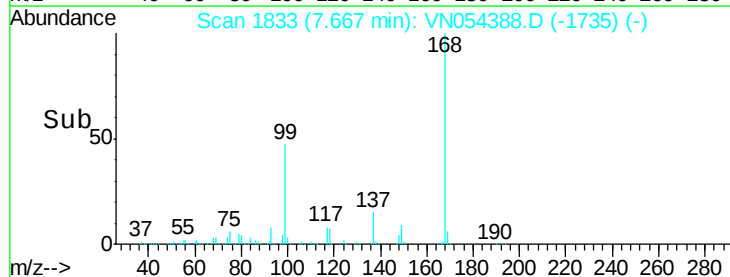
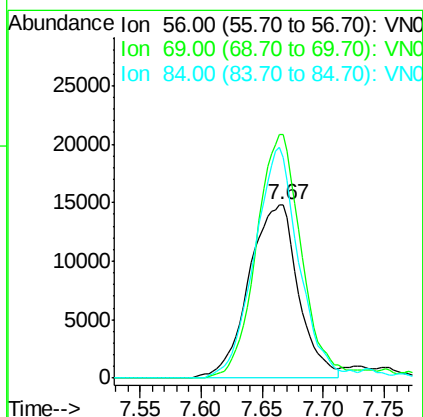
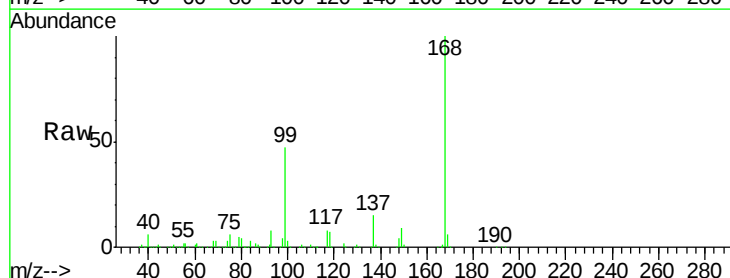
Instrument :
MSVOA_N
ClientSampled :

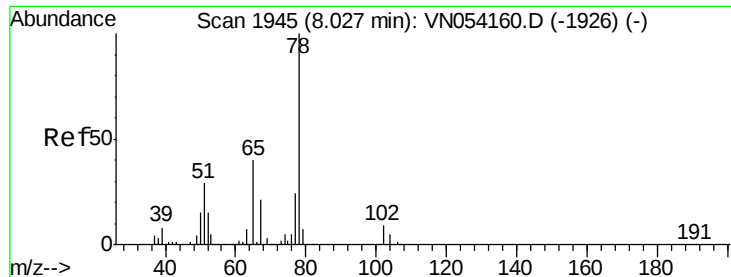
Tot Ion: 43 Resp: 32929
Ion Ratio Lower Upper
43 100
72 26.5 23.0 34.6



#31
Cyclohexane
Concen: 0.310 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

Tgt Ion: 56 Resp: 41639
Ion Ratio Lower Upper
56 100
69 140.0 27.8 41.6#
84 126.6 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 47.652 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

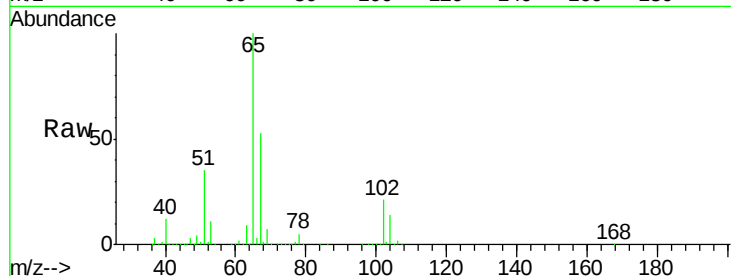
ClientSampled :

Tot Ion: 65 Resp: 862103

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

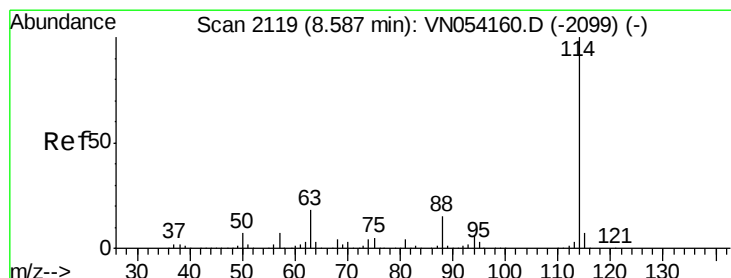
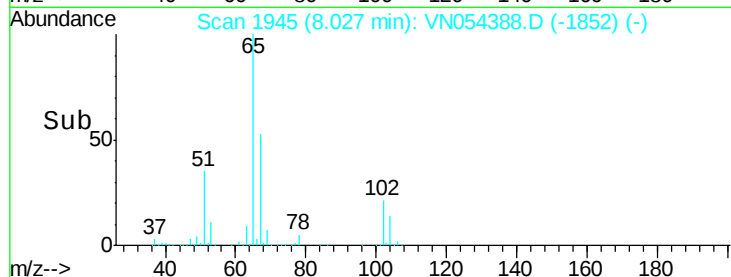
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

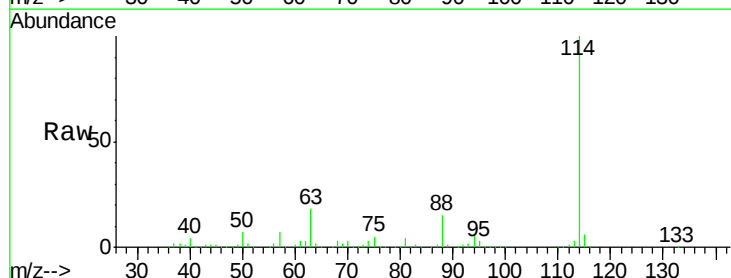
Tgt Ion: 114 Resp: 2525511

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

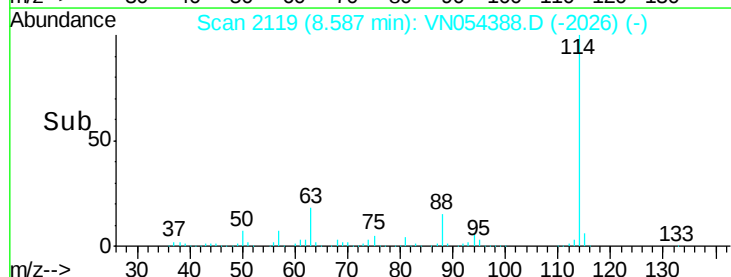
1500000

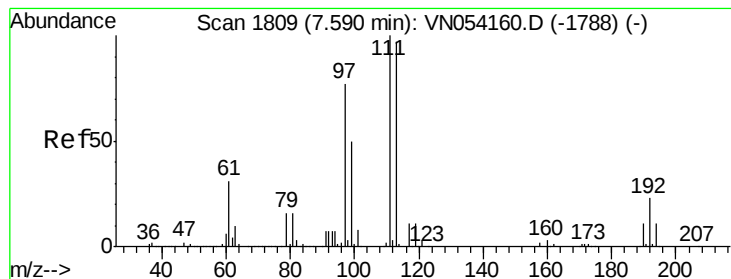
1000000

500000

0

Time--> 8.50 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 47.790 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :
MSVOA_N
ClientSampleId :

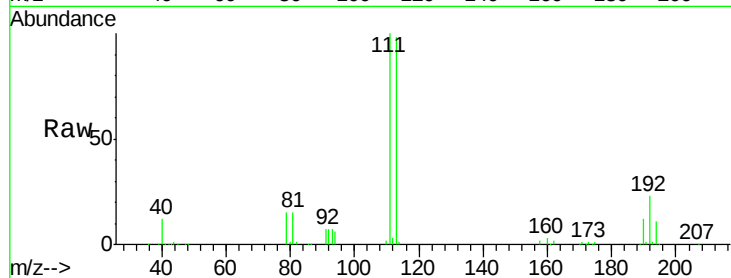
Tot Ion:113 Resp: 778429

Ion Ratio Lower Upper

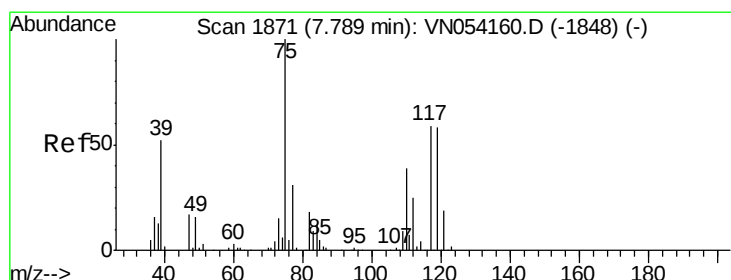
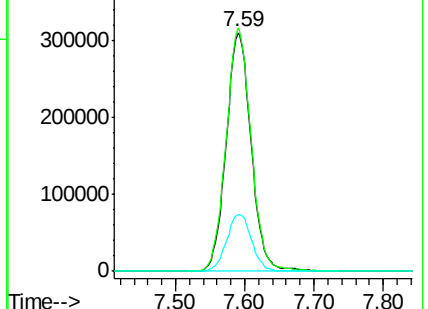
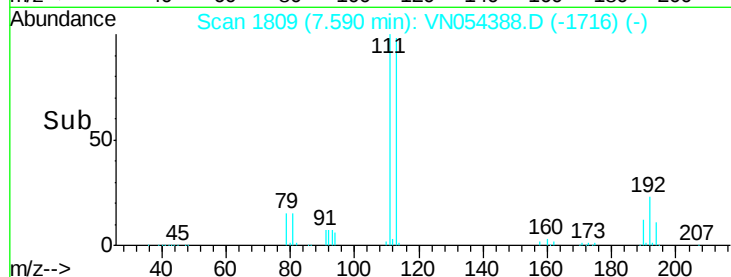
113 100

111 102.0 82.2 123.4

192 23.9 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: 4.271 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

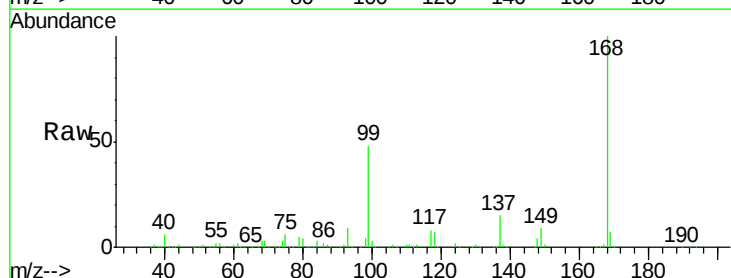
Tgt Ion: 75 Resp: 99337

Ion Ratio Lower Upper

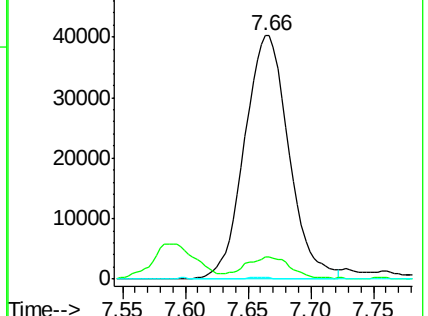
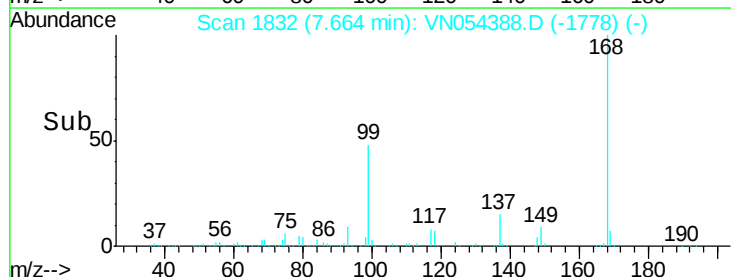
75 100

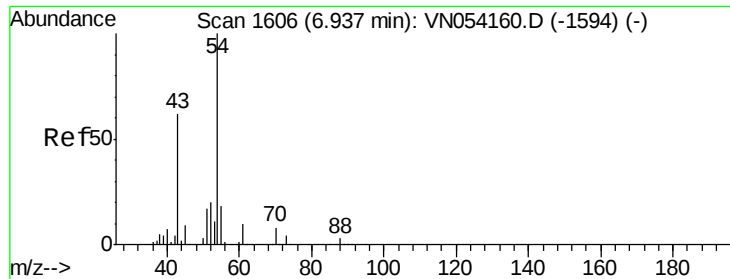
110 8.2 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

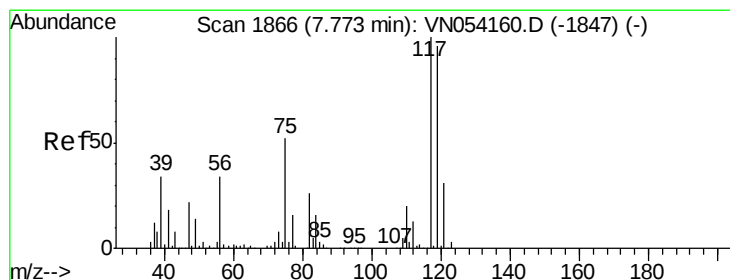
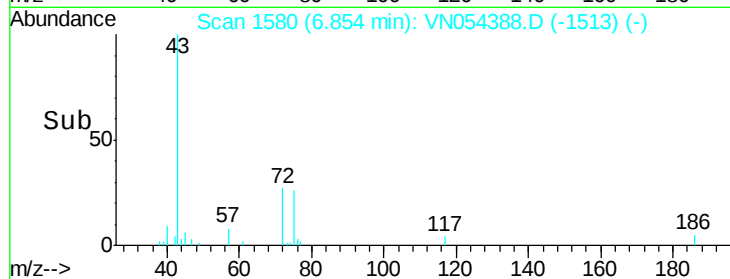
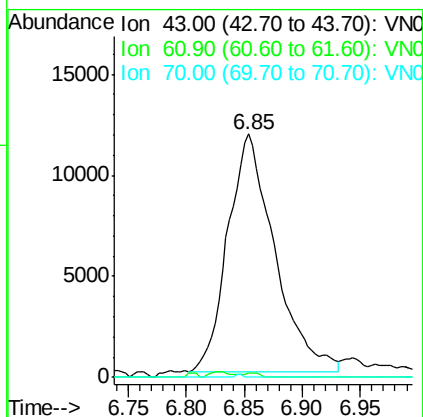
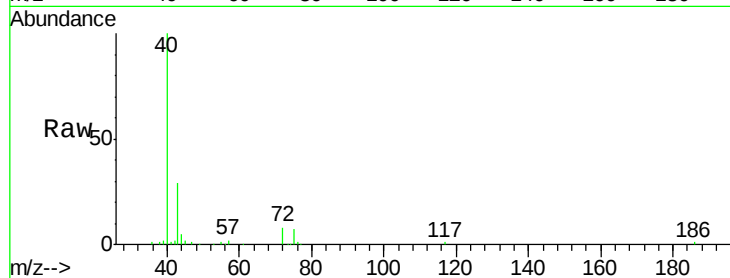




#37
Ethyl Acetate
Concen: 2.464 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. -0.08 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

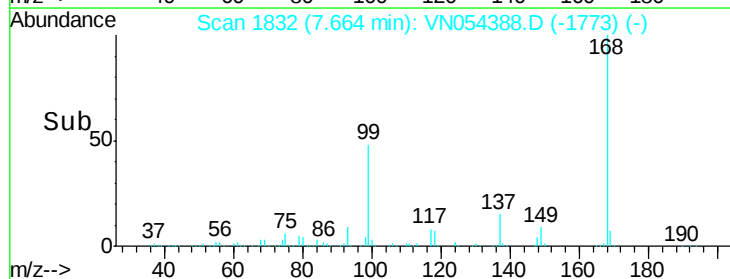
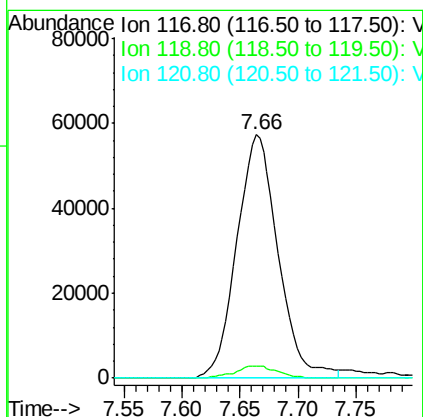
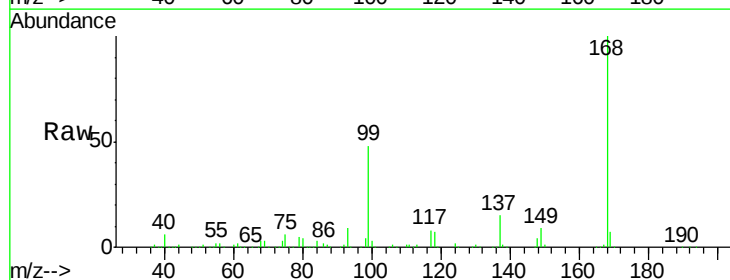
Instrument :
MSVOA_N
ClientSampleId :

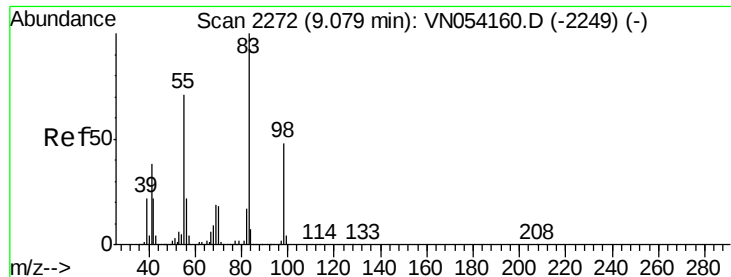
Tot Ion: 43 Resp: 32929
Ion Ratio Lower Upper
43 100
61 0.5 11.8 17.6#
70 0.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.818 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

Tgt Ion: 117 Resp: 141901
Ion Ratio Lower Upper
117 100
119 4.9 76.3 114.5#
121 0.0 24.6 36.8#

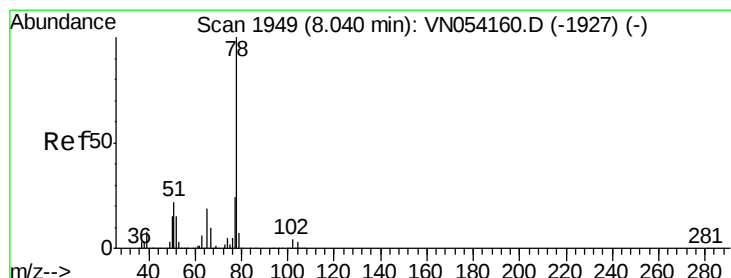
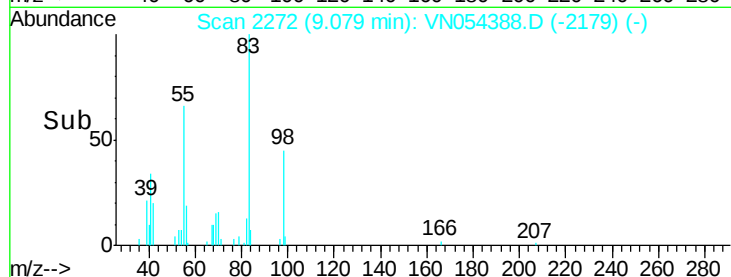
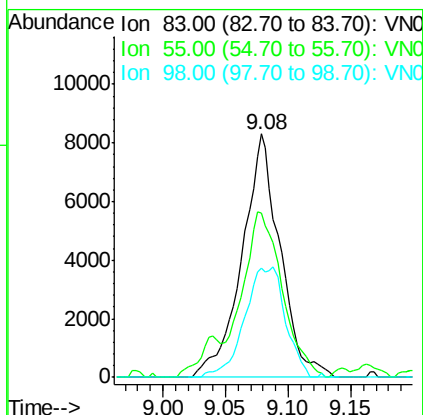
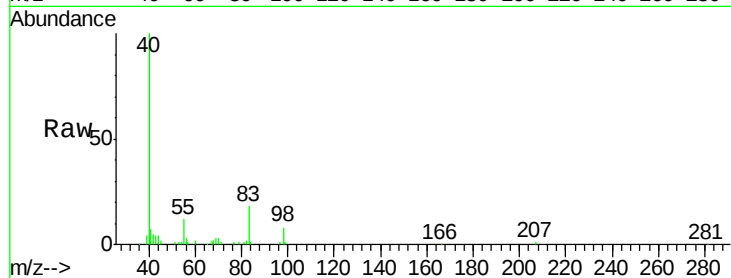




#39
Methvlcvclohexane
Concen: 0.615 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

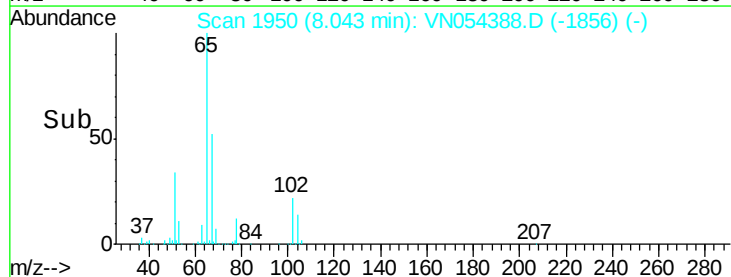
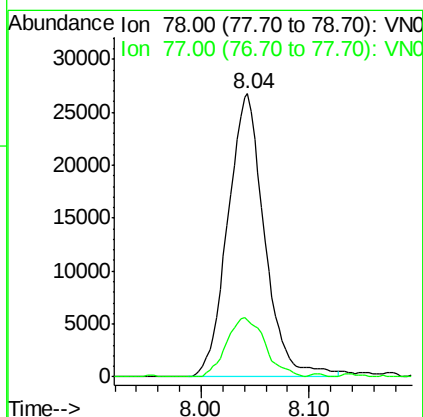
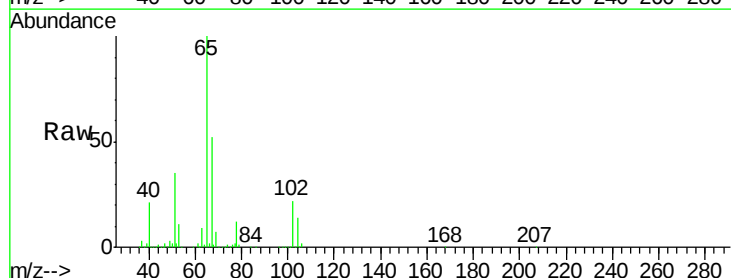
Instrument :
MSVOA_N
ClientSampled :

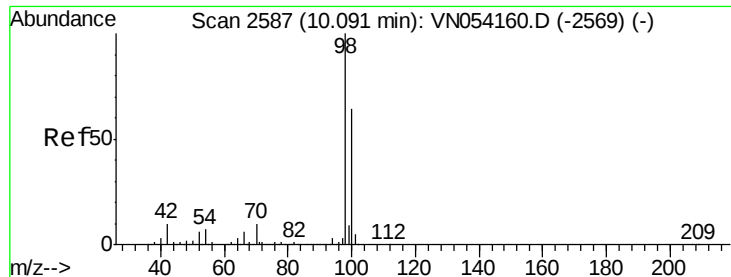
Tot Ion: 83 Resp: 17596
Ion Ratio Lower Upper
83 100
55 64.1 56.6 84.8
98 44.9 38.4 57.6



#40
Benzene
Concen: 0.955 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

Tgt Ion: 78 Resp: 63546
Ion Ratio Lower Upper
78 100
77 20.0 19.1 28.7





#50

Toluene-d8

Concen: 48.319 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

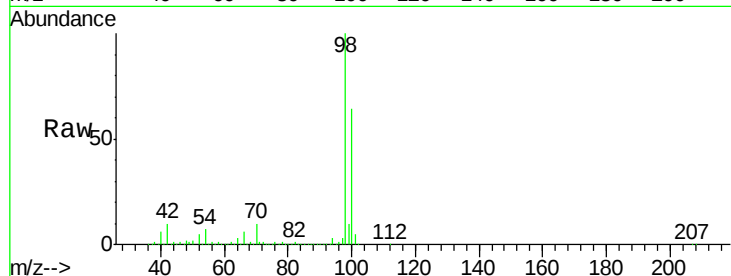
ClientSampleId :

Tot Ion: 98 Resp: 2906667

Ion Ratio Lower Upper

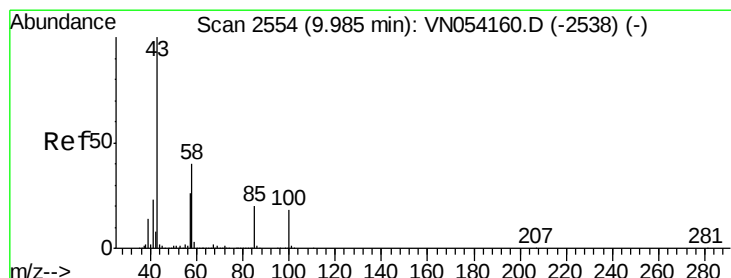
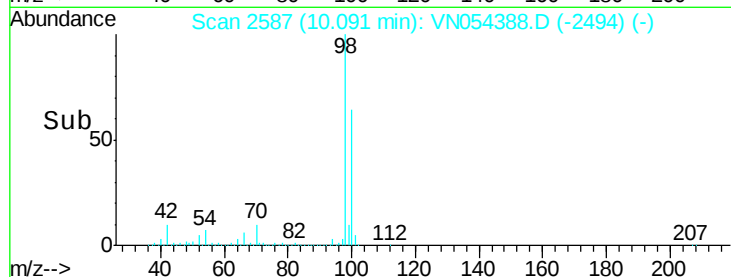
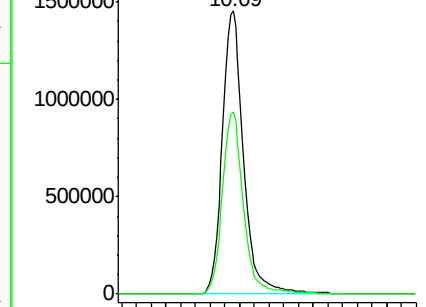
98 100

100 64.2 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) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.330 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054388.D

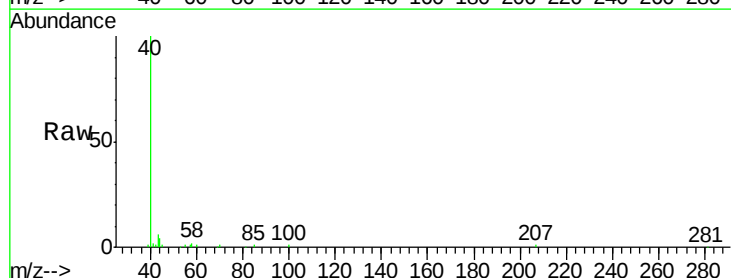
Acq: 18 Mar 2019 12:37

Tgt Ion: 43 Resp: 4101

Ion Ratio Lower Upper

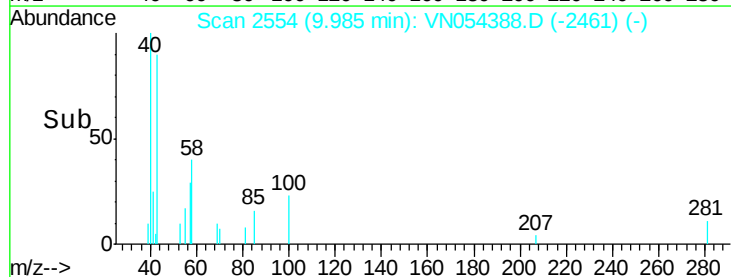
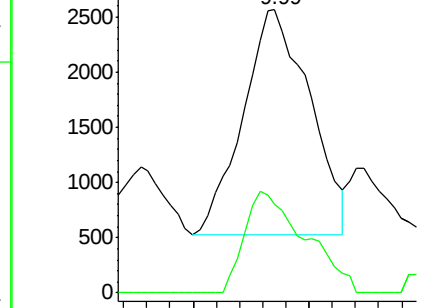
43 100

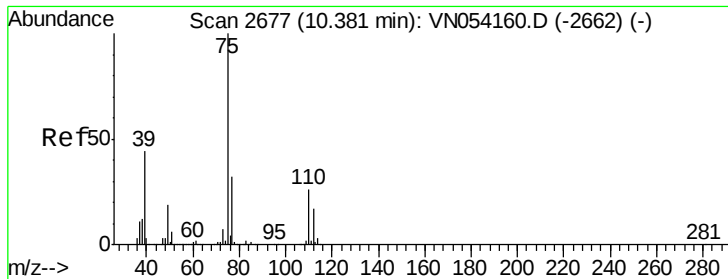
58 40.9 31.8 47.6



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

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





#53

t-1,3-Dichloropropene

Concen: 1.990 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

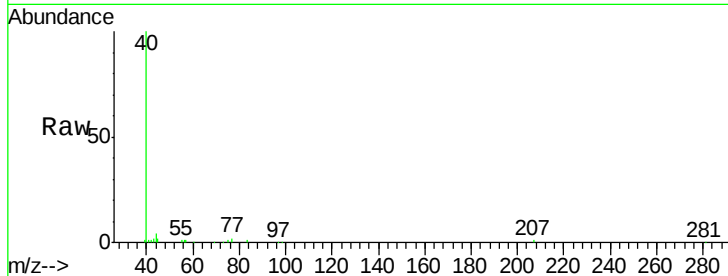
ClientSampled :

Tot Ion: 75 Resp: 110

Ion Ratio Lower Upper

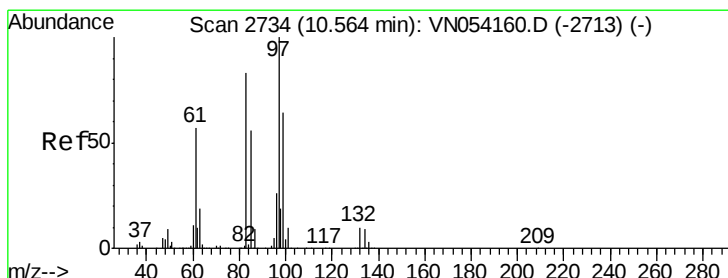
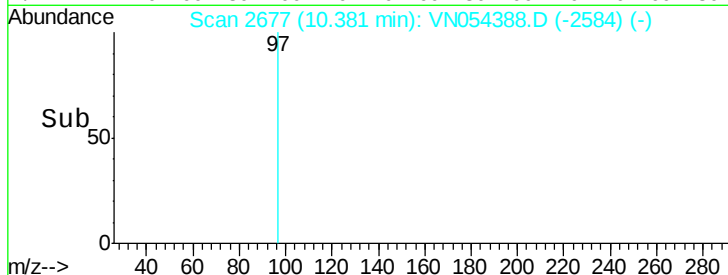
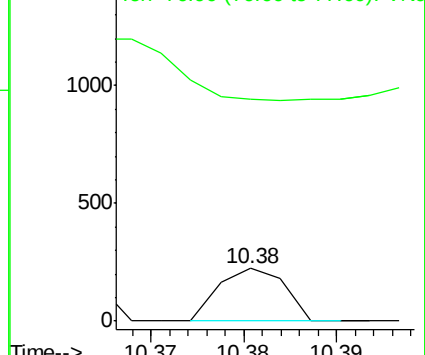
75 100

77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#55

1,1,2-Trichloroethane

Concen: 0.313 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Tgt Ion: 97 Resp: 4829

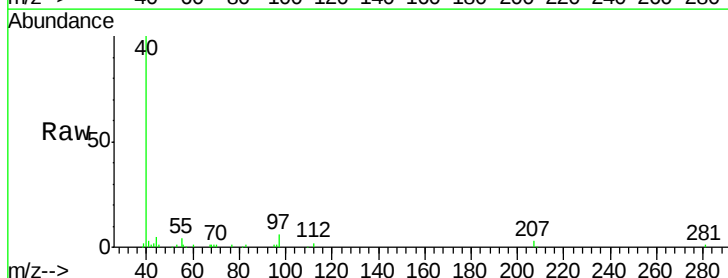
Ion Ratio Lower Upper

97 100

83 10.9 66.6 100.0#

85 0.0 44.4 66.6#

99 0.0 50.8 76.2#

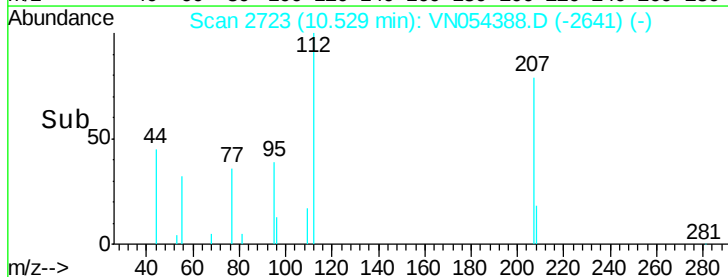
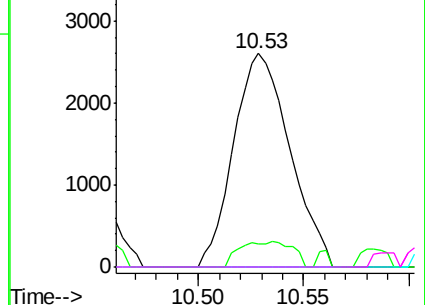


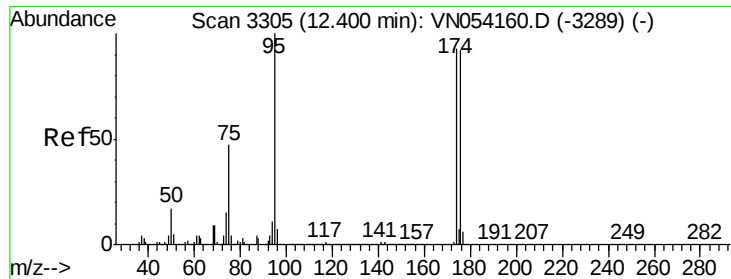
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#62

4-Bromofluorobenzene

Concen: 41.535 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

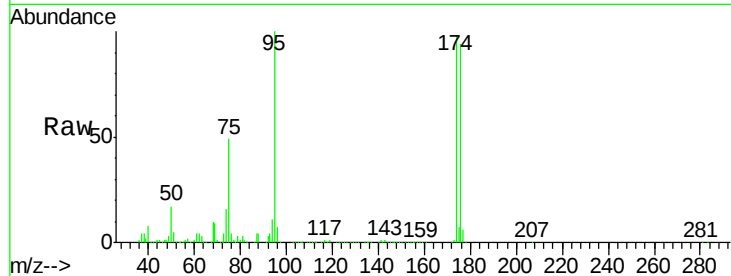
Tot Ion: 95 Resp: 874248

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

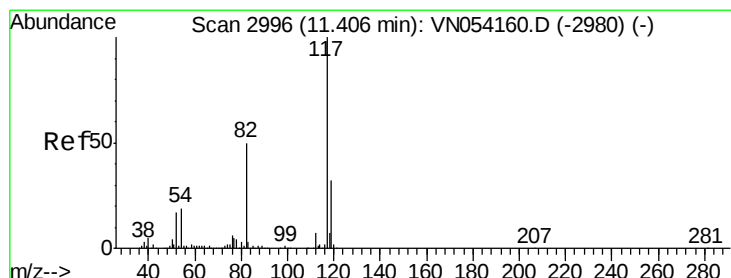
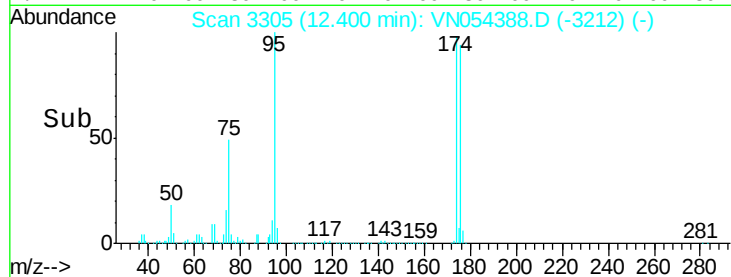
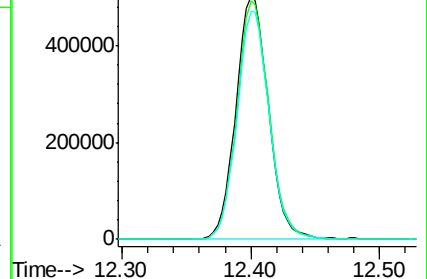
176 93.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054388.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054388.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054388.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

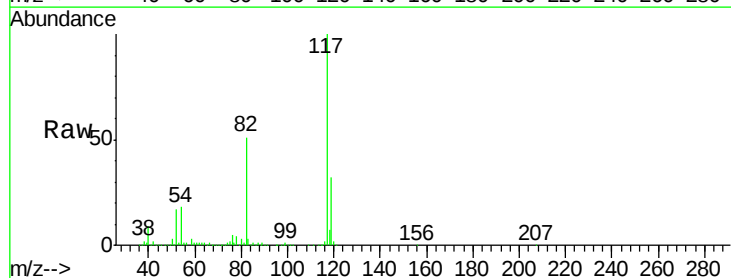
Tgt Ion: 117 Resp: 2119643

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

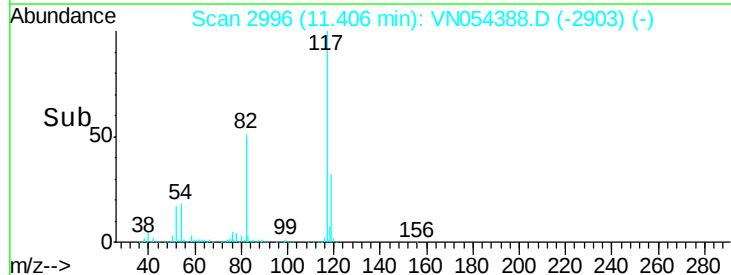
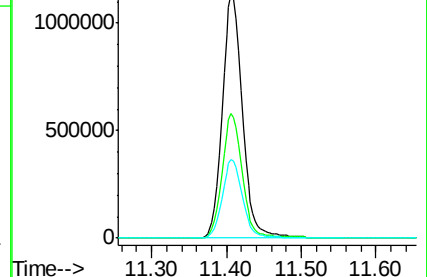
119 32.5 25.8 38.6

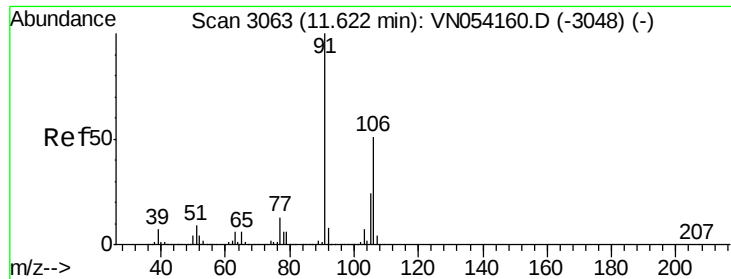


Abundance Ion 116.90 (116.60 to 117.60): VN054388.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054388.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054388.D (-2903) (-)

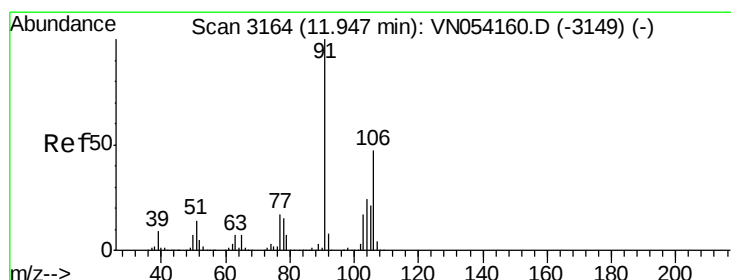
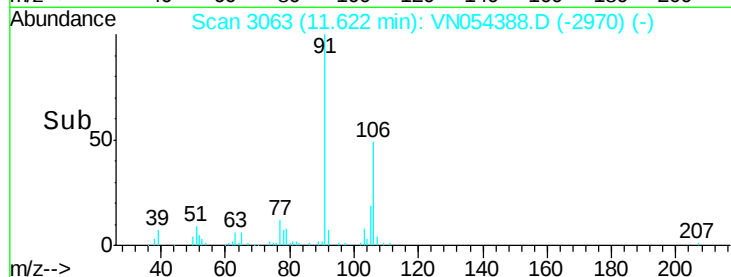
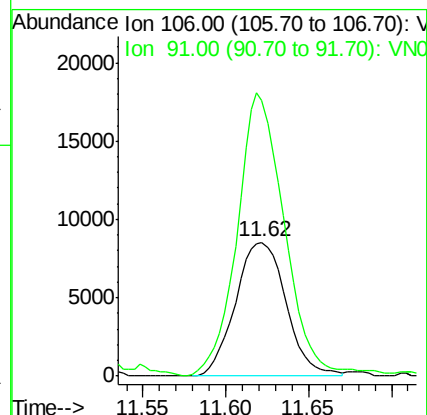
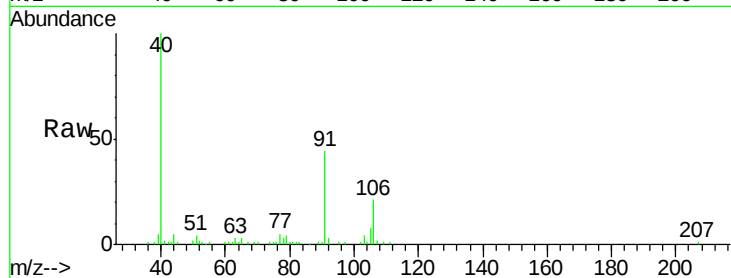




#68
m/p-Xylenes
Concen: 0.604 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

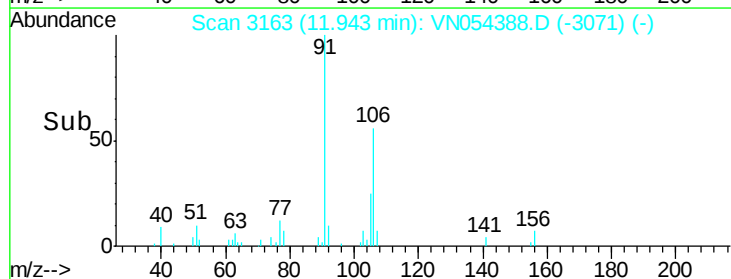
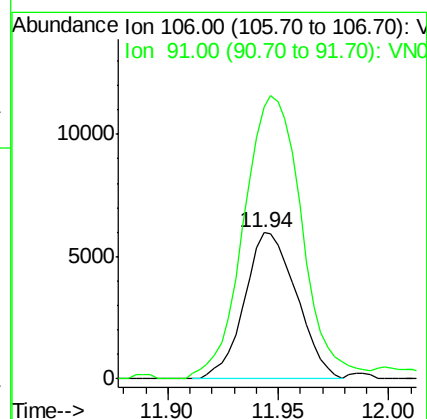
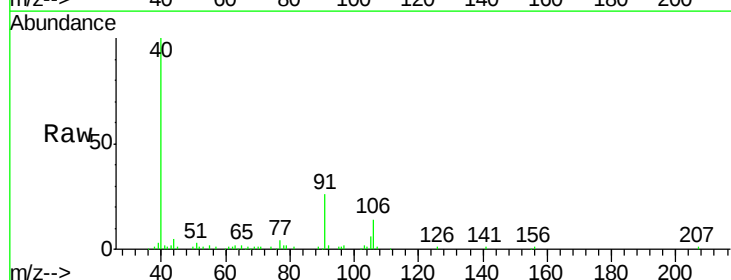
Instrument :
MSVOA_N
ClientSampled :

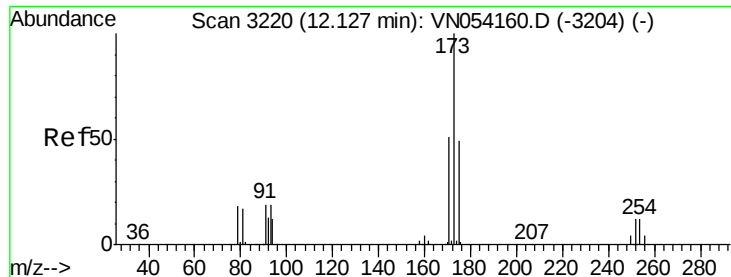
Tot Ion:106 Resp: 18211
Ion Ratio Lower Upper
106 100
91 194.8 159.4 239.2



#69
o-Xylene
Concen: 0.333 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

Tgt Ion:106 Resp: 9777
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.1





#71

Bromoform

Concen: 2.747 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampled :

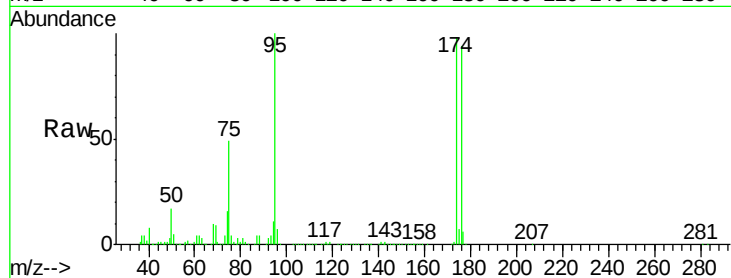
Tot Ion:173 Resp: 5354

Ion Ratio Lower Upper

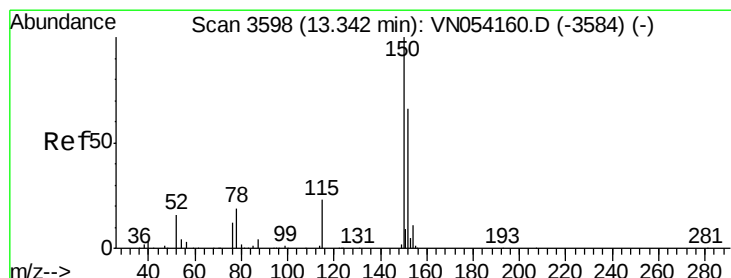
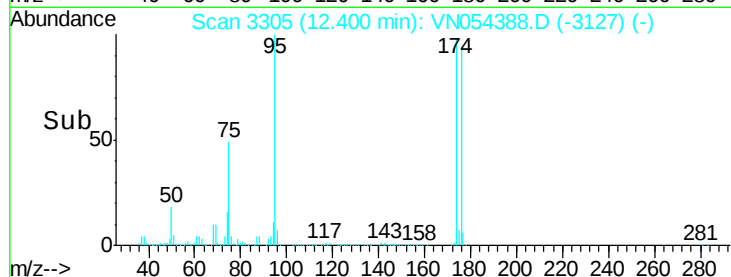
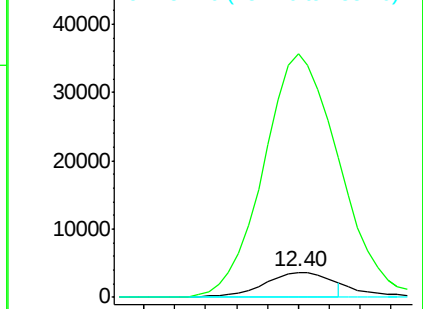
173 100

175 978.0 24.4 73.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

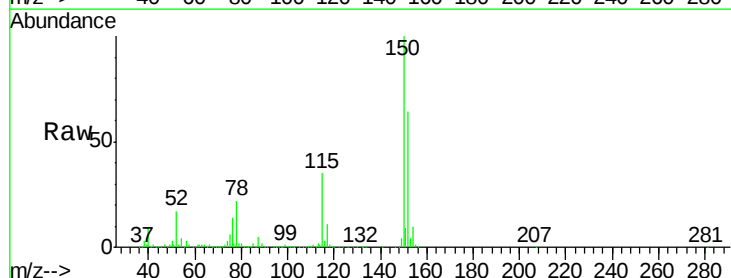
Tgt Ion:152 Resp: 811923

Ion Ratio Lower Upper

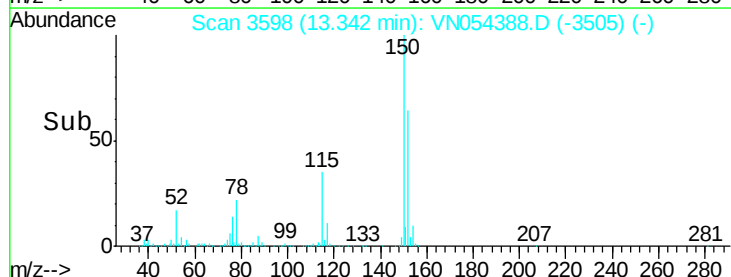
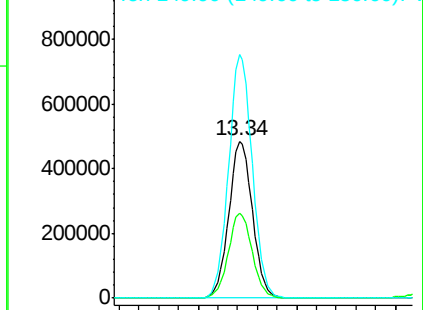
152 100

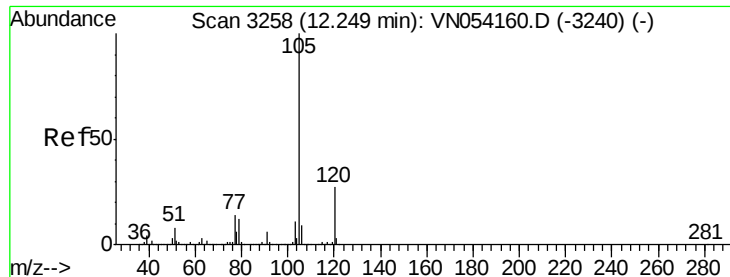
115 54.6 27.2 81.6

150 155.0 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: 3.459 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

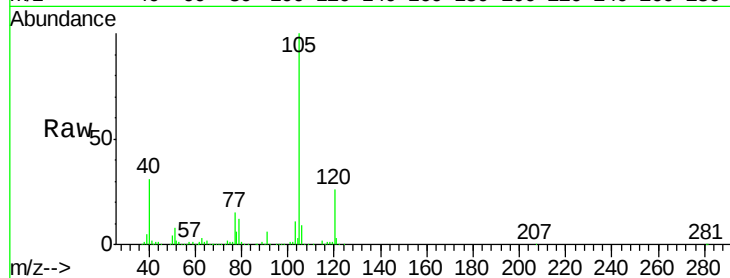
ClientSampled :

Tot Ion: 105 Resp: 224711

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

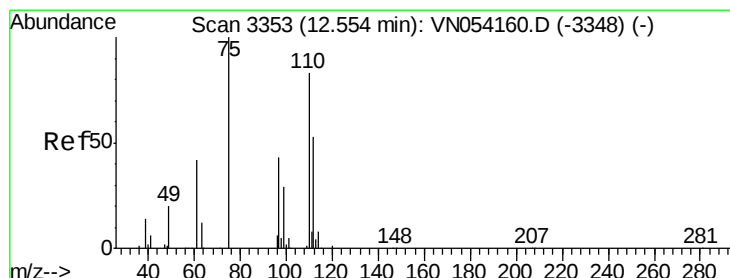
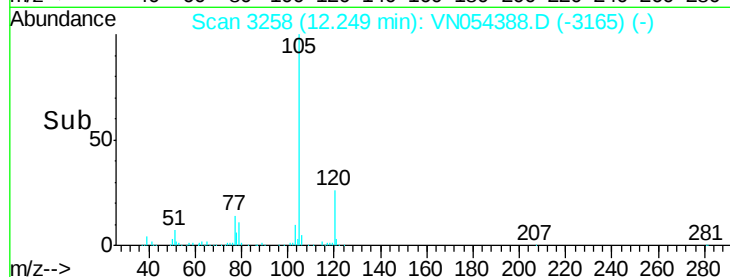
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 34.923 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054388.D

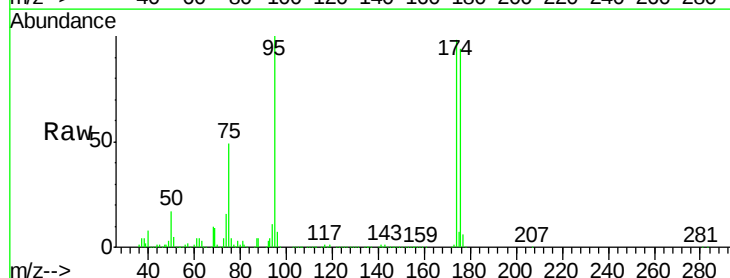
Acq: 18 Mar 2019 12:37

Tgt Ion: 75 Resp: 416975

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.40

250000

200000

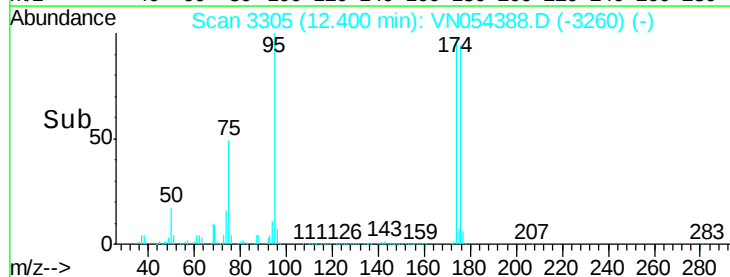
150000

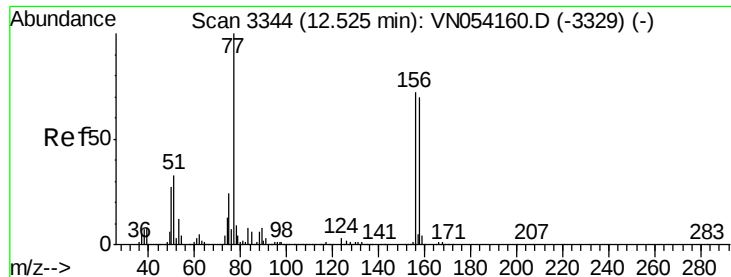
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 0.375 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. 0.02 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampled :

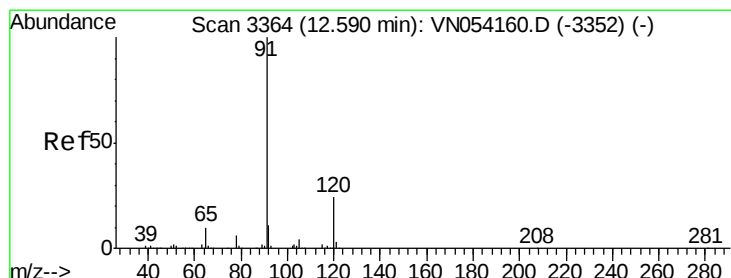
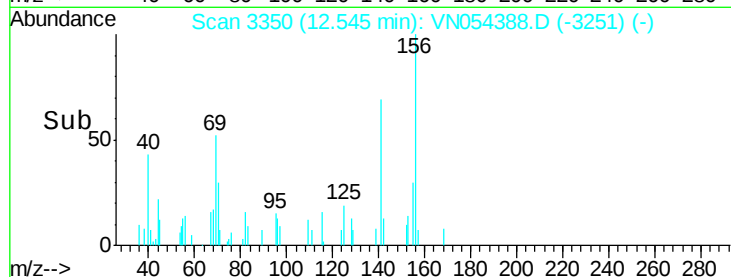
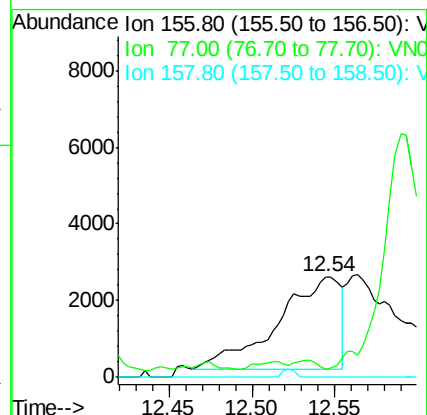
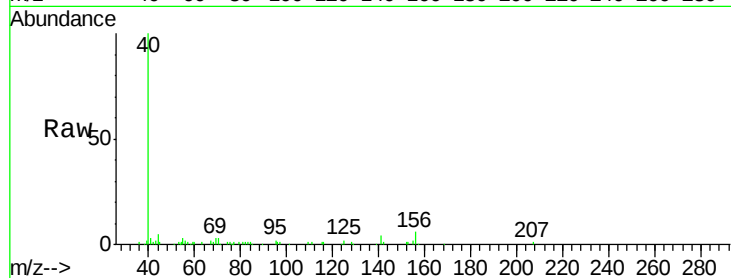
Tot Ion:156 Resp: 6454

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

158 0.0 49.0 147.2#



#78

n-propylbenzene

Concen: 3.943 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054388.D

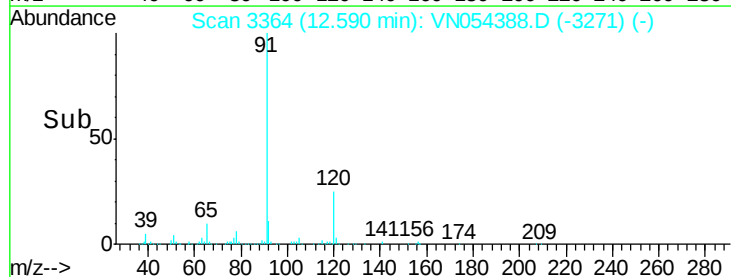
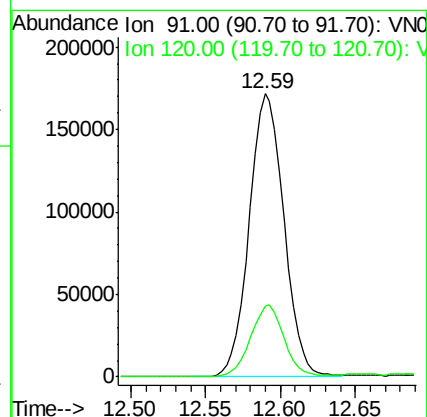
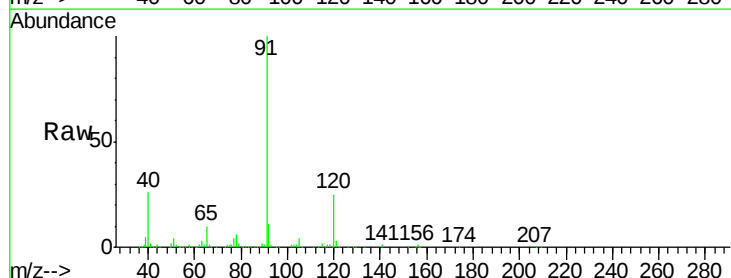
Acq: 18 Mar 2019 12:37

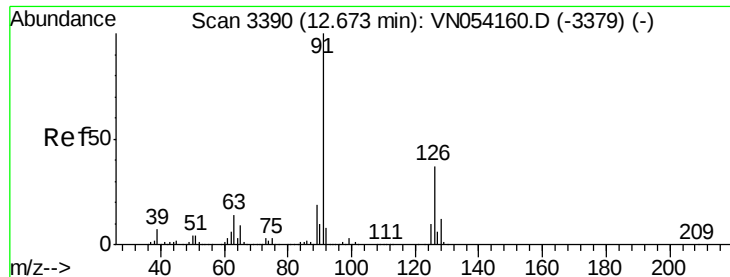
Tgt Ion: 91 Resp: 277903

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.9





#79

2-Chlorotoluene

Concen: 6.557 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

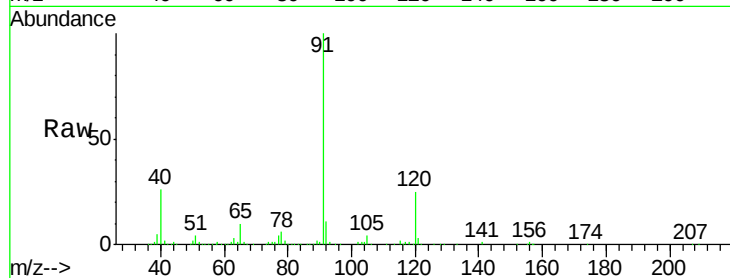
ClientSampled :

Tot Ion: 91 Resp: 277903

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

200000

150000

100000

50000

0

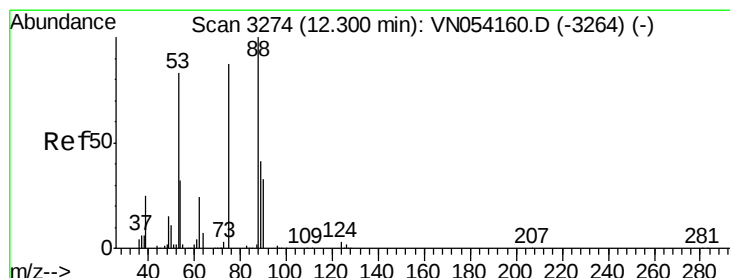
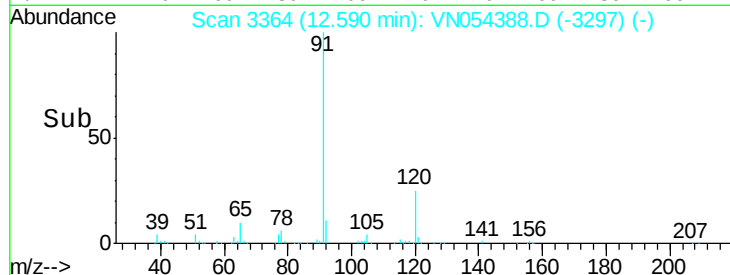
12.59

12.55

12.60

12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 119.384 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

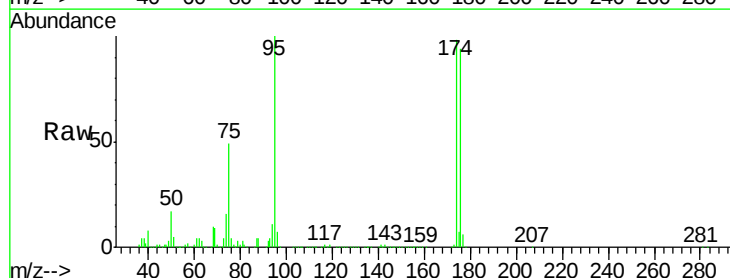
Tgt Ion: 75 Resp: 416975

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

200000

100000

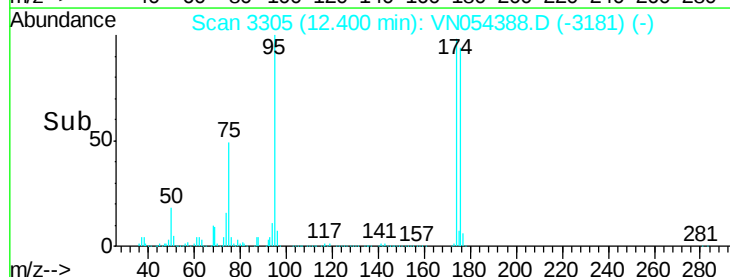
0

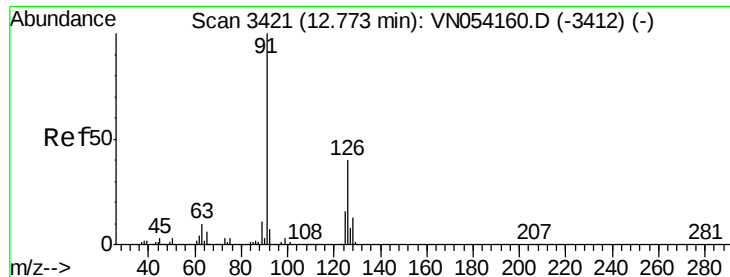
12.40

12.35

12.45

Time-->





#82

4-Chlorotoluene

Concen: 6.567 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.18 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

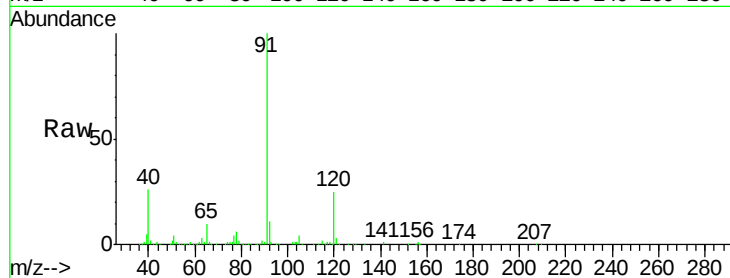
ClientSampleId :

Tot Ion: 91 Resp: 277903

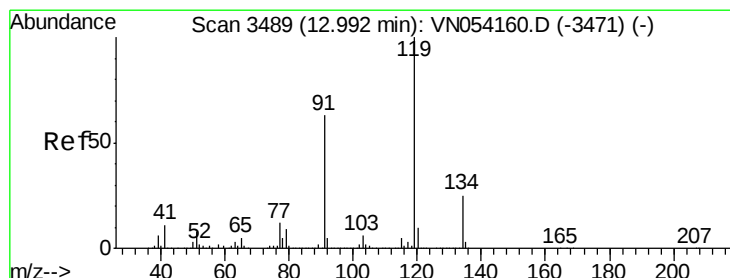
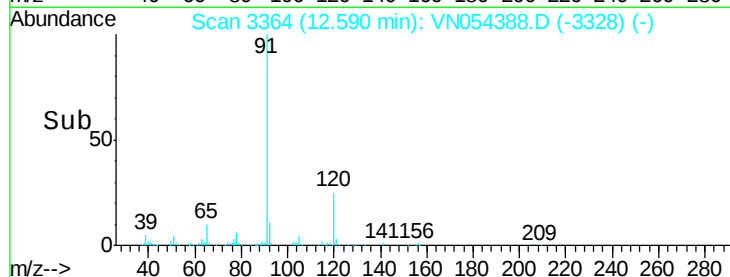
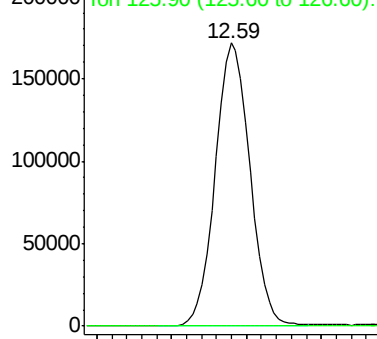
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054388.D (-3364) (-)



#83

tert-Butylbenzene

Concen: 0.492 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

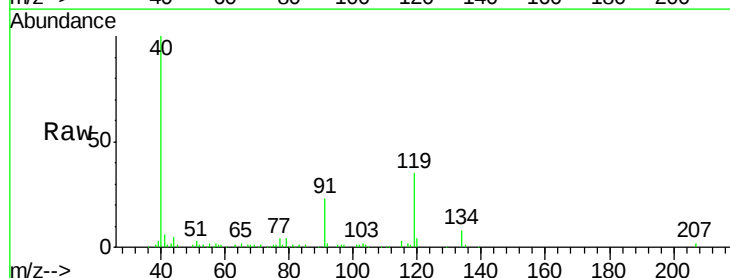
Tgt Ion: 119 Resp: 24462

Ion Ratio Lower Upper

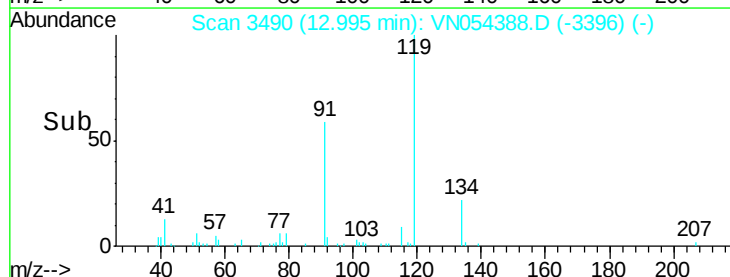
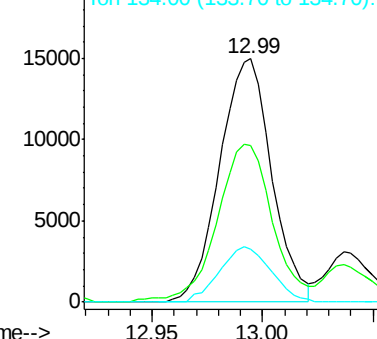
119 100

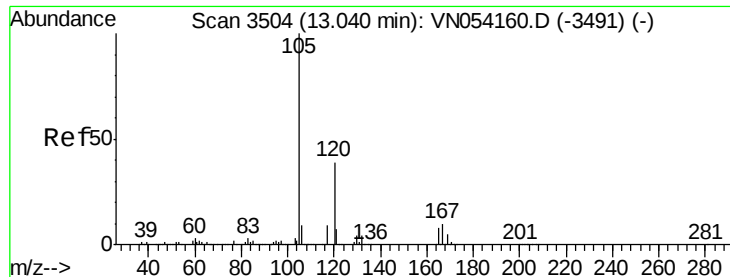
91 68.8 30.9 92.8

134 22.3 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): VN054388.D (-3490) (-)





#84

1,2,4-Trimethylbenzene

Concen: 0.636 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

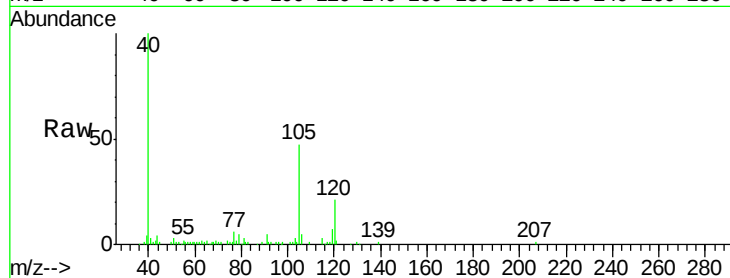
ClientSampled :

Tot Ion:105 Resp: 33687

Ion Ratio Lower Upper

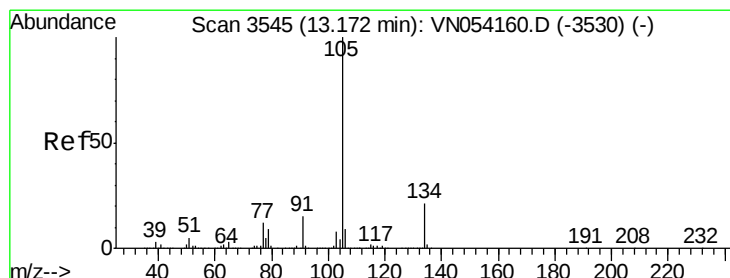
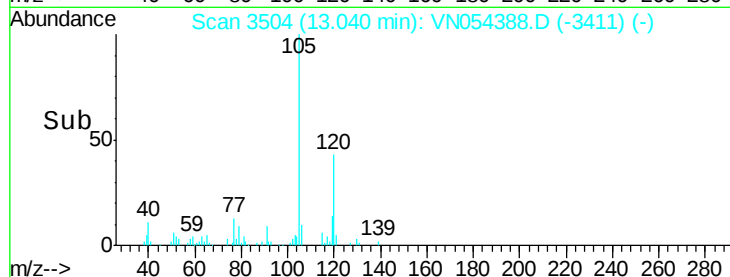
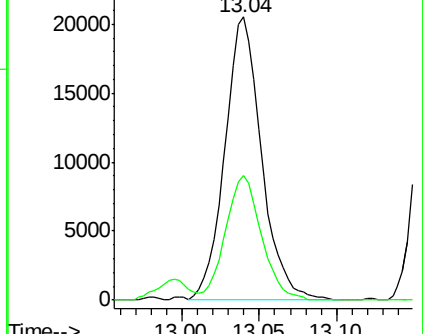
105 100

120 43.2 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: 1.801 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054388.D

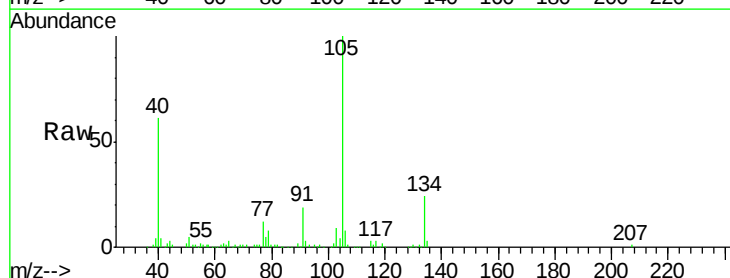
Acq: 18 Mar 2019 12:37

Tgt Ion:105 Resp: 116161

Ion Ratio Lower Upper

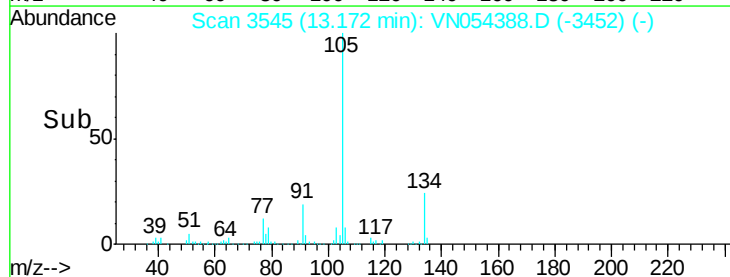
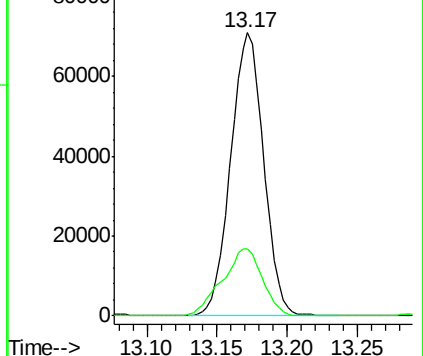
105 100

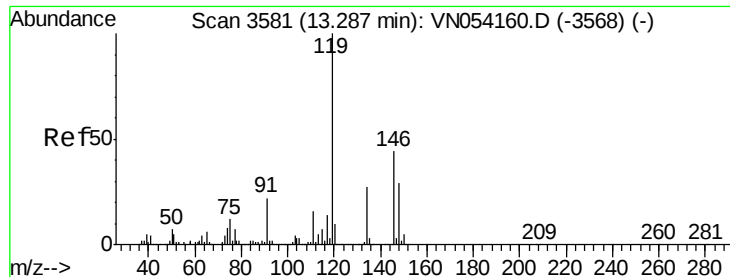
134 28.8 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

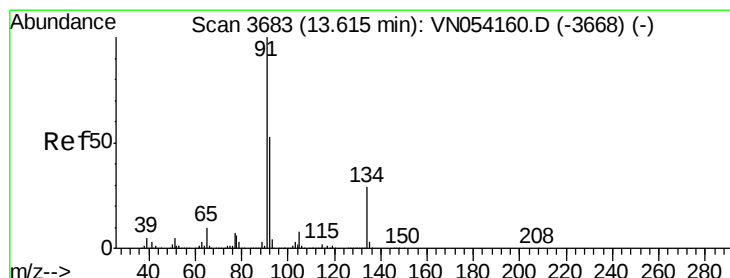
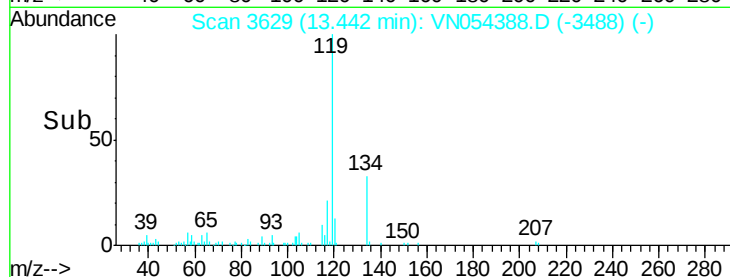
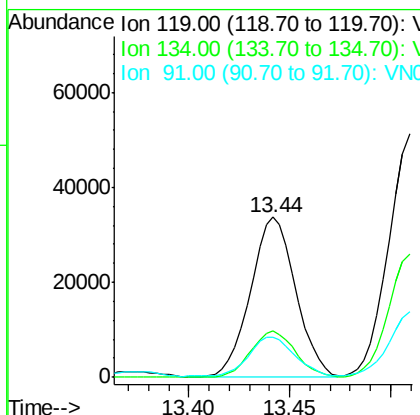
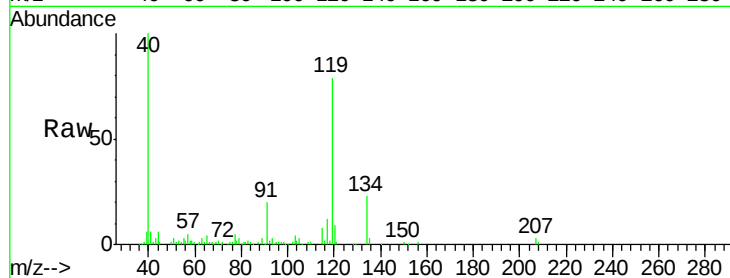




#86
 p-Isopropyltoluene
 Concen: 0.935 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN054388.D
 Acq: 18 Mar 2019 12:37

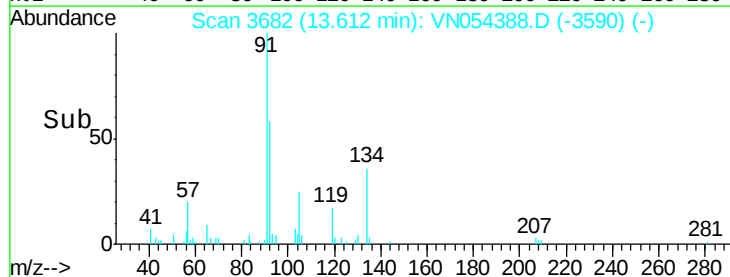
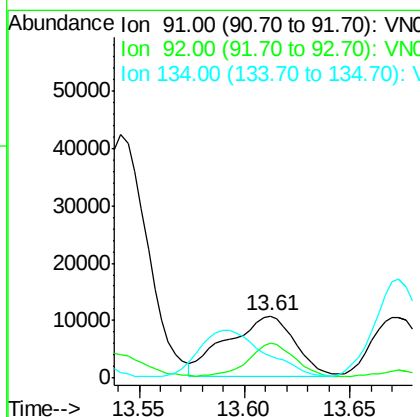
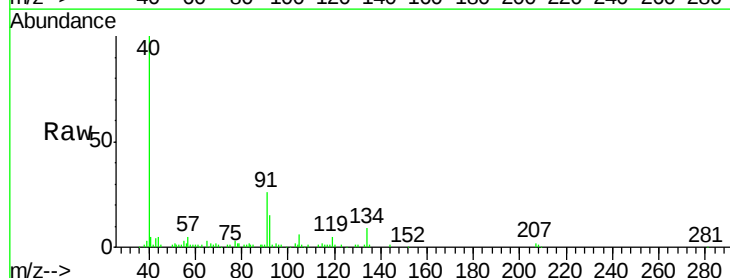
Instrument :
 MSVOA_N
 ClientSampleId :

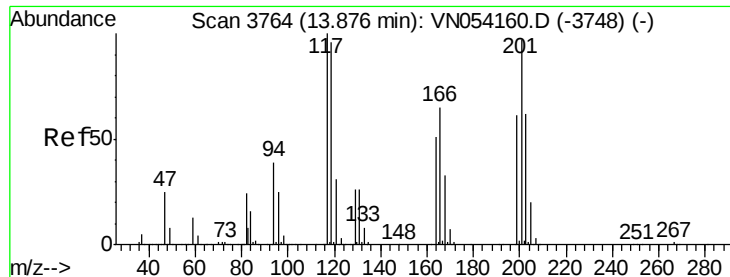
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.6	13.6	40.8
91	24.9	11.1	33.3



#89
 n-Butylbenzene
 Concen: 0.554 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054388.D
 Acq: 18 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	39.7	26.2	78.6
134	0.0	14.3	42.9

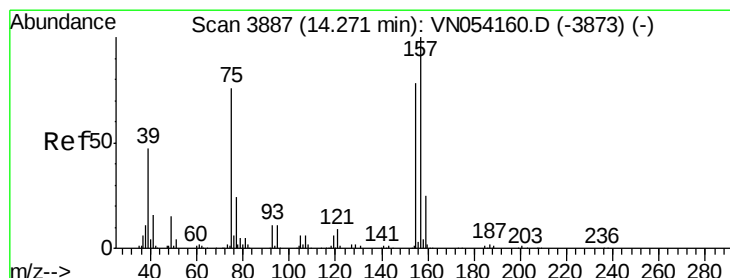
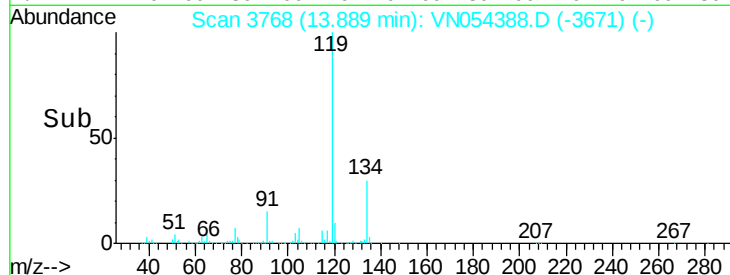
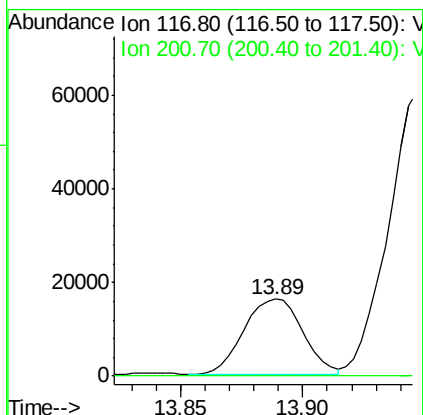
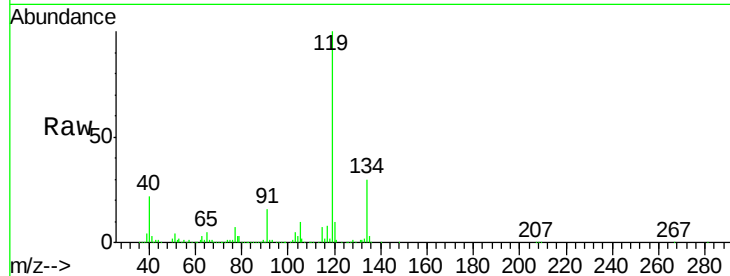




#90
Hexachloroethane
Concen: 2.919 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

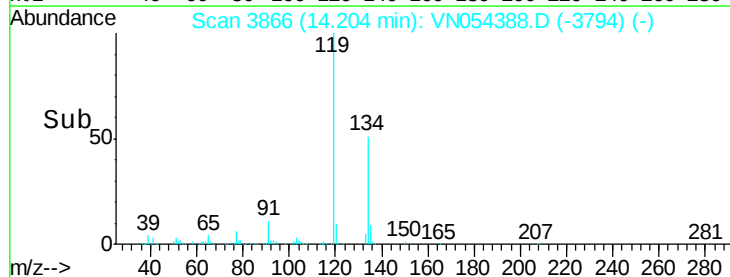
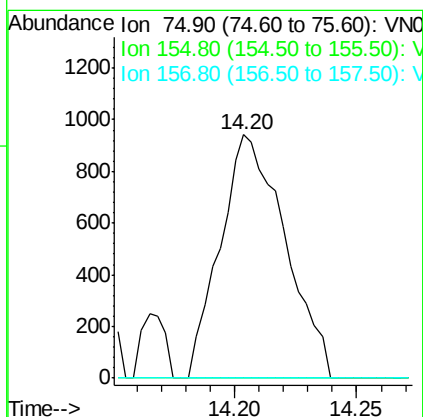
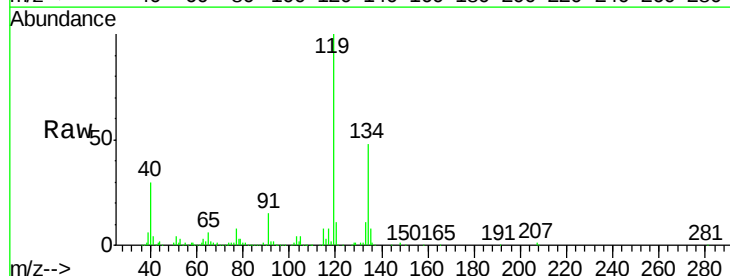
Instrument :
MSVOA_N
ClientSampleId :

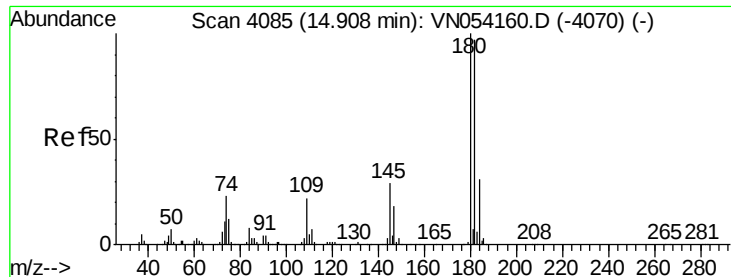
Tot Ion:117 Resp: 27346
Ion Ratio Lower Upper
117 100
201 0.0 48.1 144.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.812 ug/l
RT: 14.20 min Scan# 3866
Delta R.T. -0.07 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

Tgt Ion: 75 Resp: 1739
Ion Ratio Lower Upper
75 100
155 0.0 50.1 150.3#
157 0.0 63.1 189.3#





#93

1,2,4-Trichlorobenzene

Concen: 2.531 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054388.D

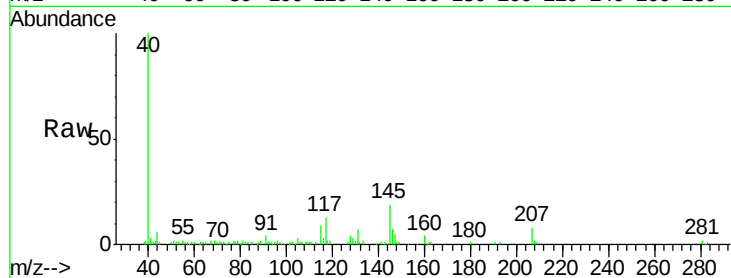
Acq: 18 Mar 2019 12:37

Instrument :

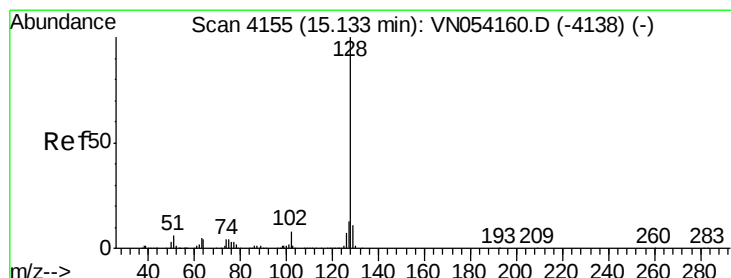
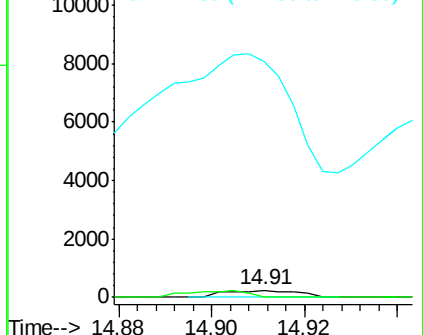
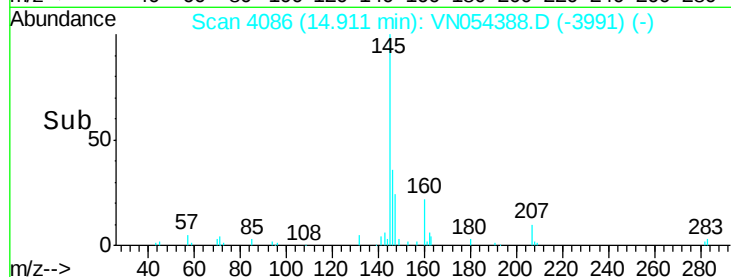
MSVOA_N

ClientSampled :

Tot Ion:180 Resp: 260
 Ion Ratio Lower Upper
 180 100
 182 80.8 48.0 144.2
 145 7933.5 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: 7.301 ug/l

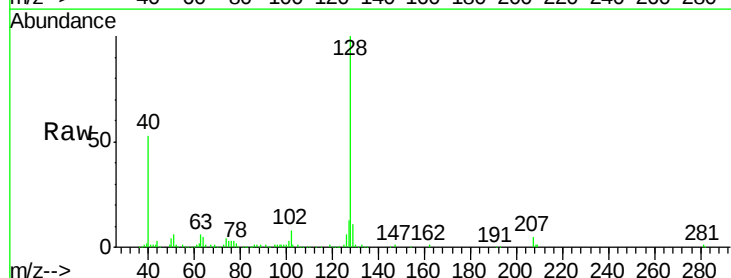
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Tgt Ion:128 Resp: 146629
 Ion Ratio Lower Upper
 128 100
 127 11.9 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

