

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054439.D
 Acq On : 19 Mar 2019 14:31
 Operator : JC/SP
 Sample : K1960-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:52:59 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	2021585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2822446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2334359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	985549	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	860614	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	
35) Dibromofluoromethane	7.59	113	838908	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	10.09	98	3229360	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.40	95	986061	41.92	ug/l	0.00
Spiked Amount			Recovery	=	83.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	2035	1.563	ug/l #	61
11) Tert butyl alcohol	4.81	59	385	0.262	ug/l #	70
16) Acetone	3.82	43	6053	0.985	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	41183	0.791	ug/l #	90
31) Cyclohexane	7.66	56	83989	1.408	ug/l #	58
36) 1,1-Dichloropropene	7.66	75	110659	4.257	ug/l #	48
38) Carbon Tetrachloride	7.66	117	159662	5.858	ug/l #	16
39) Methylcyclohexane	9.08	83	105255	3.291	ug/l	98
49) 1,4-Dioxane	9.20	88	111	0.590	ug/l #	1
53) t-1,3-Dichloropropene	10.37	75	200	1.993	ug/l #	40
55) 1,1,2-Trichloroethane	10.53	97	13188	0.766	ug/l #	20
56) Ethyl methacrylate	10.43	69	7673	0.374	ug/l #	52
59) 2-Hexanone	10.76	43	5475	0.593	ug/l	81
68) m/p-Xylenes	11.62	106	8425	0.254	ug/l	97
71) Bromoform	12.31	173	216	2.365	ug/l #	28
73) Isopropylbenzene	12.25	105	501588	6.361	ug/l	100
74) N-amyl acetate	12.04	43	4928	0.282	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	449951	31.046	ug/l #	100
77) Bromobenzene	12.53	156	7591	0.364	ug/l #	8
78) n-propylbenzene	12.59	91	630179	7.366	ug/l	99
79) 2-Chlorotoluene	12.59	91	630179	12.250	ug/l #	38
81) trans-1,4-Dichloro-2-buten	12.40	75	449951	106.130	ug/l #	11
82) 4-Chlorotoluene	12.59	91	630179	12.268	ug/l #	39
83) tert-Butylbenzene	12.99	119	59194	0.981	ug/l	99
85) sec-Butylbenzene	13.17	105	382452	4.885	ug/l	85
86) p-Isopropyltoluene	13.44	119	191577	2.789	ug/l	98
89) n-Butylbenzene	13.61	91	193962	3.717	ug/l	94
90) Hexachloroethane	13.89	117	162929	14.326	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.29	75	1003	0.386	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	9255	2.940	ug/l #	1
94) Hexachlorobutadiene	15.01	225	2800	0.214	ug/l	96
95) Naphthalene	15.13	128	34000	4.202	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.31	180	12623	0.691	ug/l #	1

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

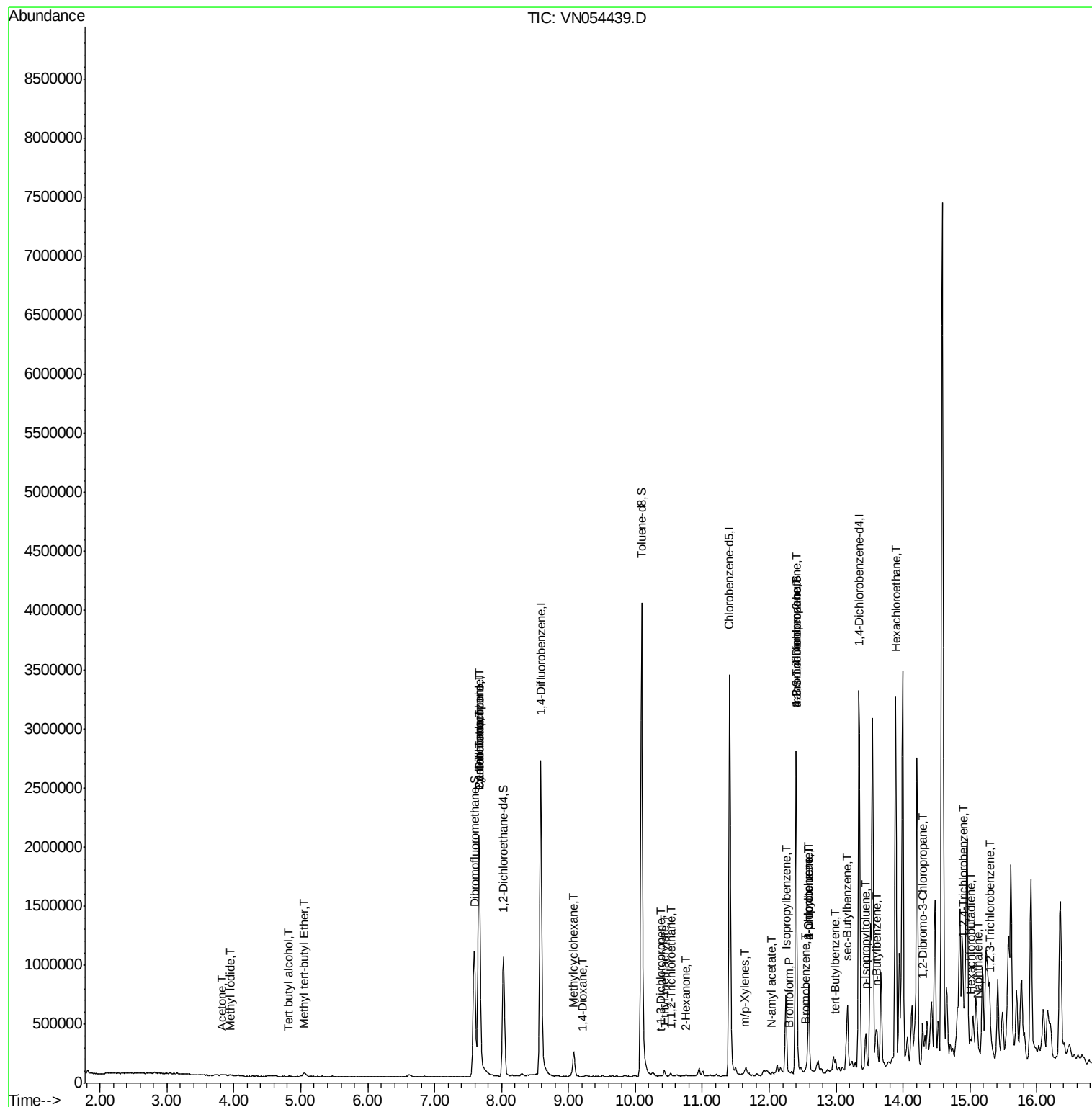
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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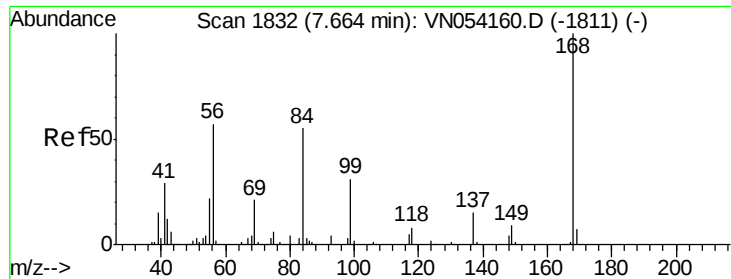
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
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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: VN054439.D

Acq: 19 Mar 2019 14:31

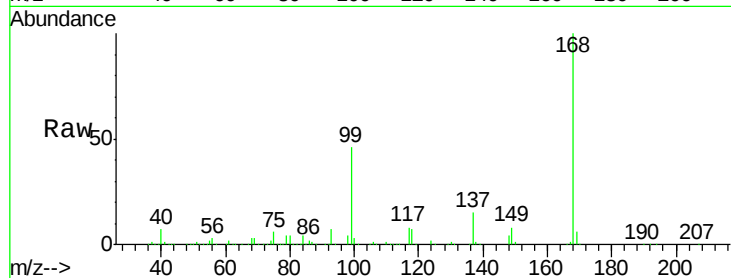
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 2021585

Ion Ratio Lower Upper

168 100

99 45.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

800000

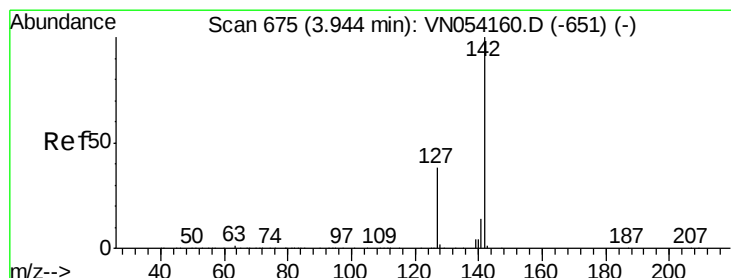
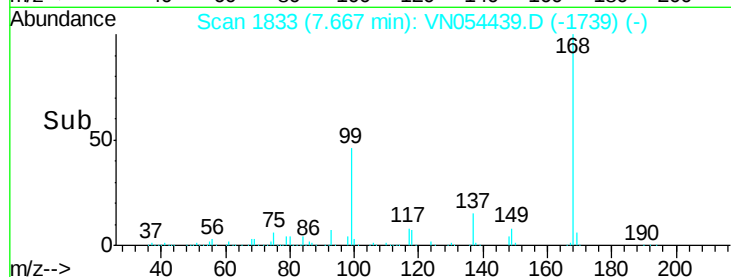
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.563 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

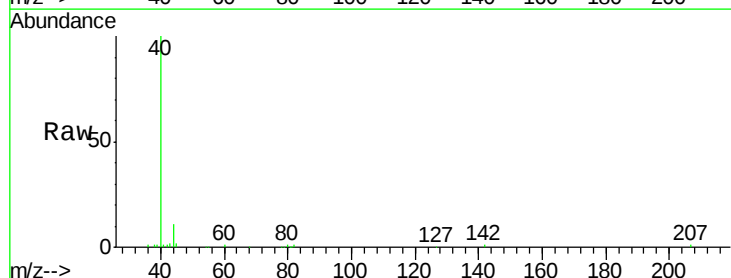
Tgt Ion:142 Resp: 2035

Ion Ratio Lower Upper

142 100

127 13.1 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

1000

800

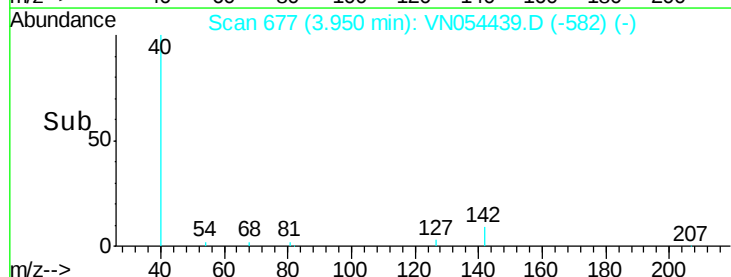
600

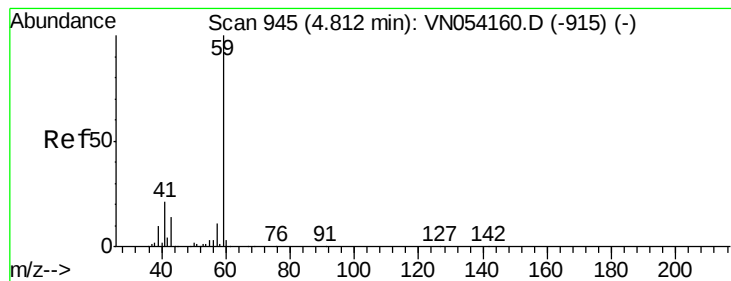
400

200

0

Time-->



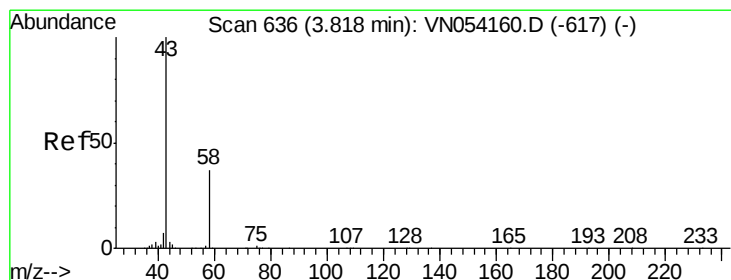
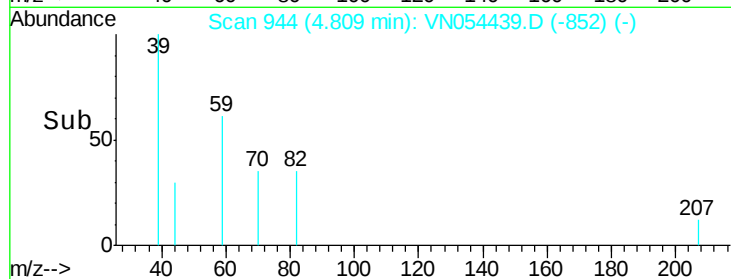
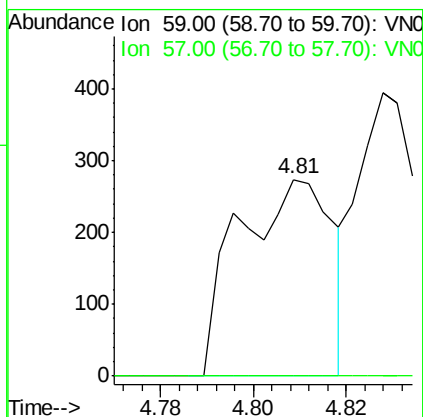
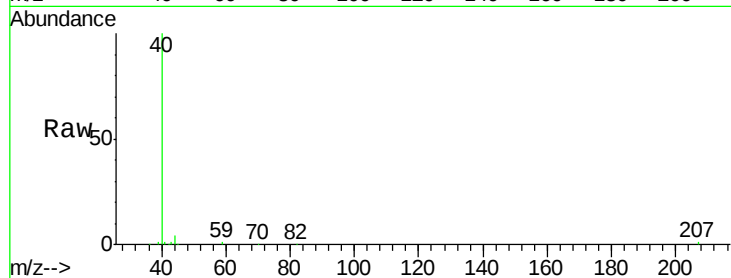


#11

Tert butyl alcohol
 Concen: 0.262 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN054439.D
 Acq: 19 Mar 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :

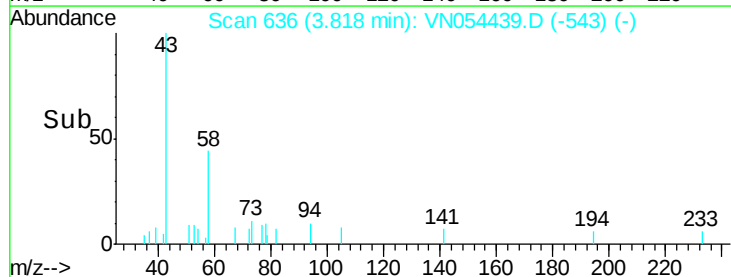
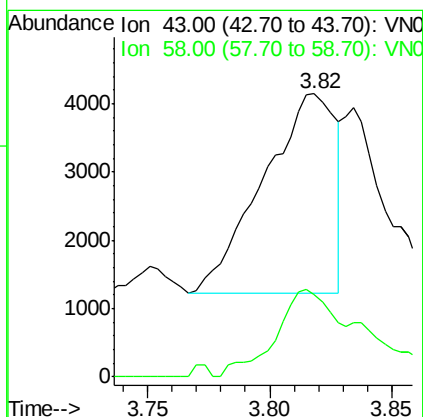
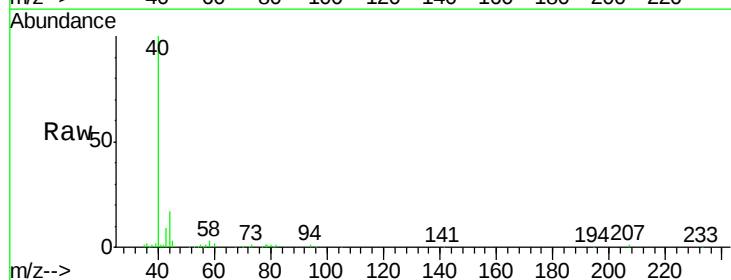
Tot Ion: 59 Resp: 385
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

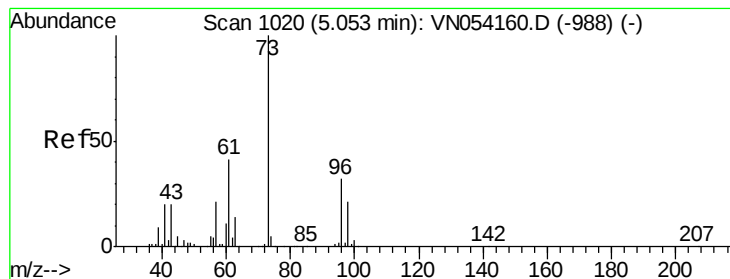


#16

Acetone
 Concen: 0.985 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN054439.D
 Acq: 19 Mar 2019 14:31

Tgt Ion: 43 Resp: 6053
 Ion Ratio Lower Upper
 43 100
 58 41.4 29.9 44.9





#19

Methvl tert-butvl Ether

Concen: 0.791 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

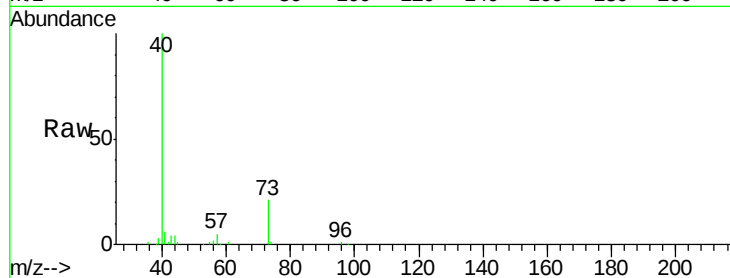
ClientSampleId :

Tot Ion: 73 Resp: 41183

Ion Ratio Lower Upper

73 100

57 25.7 16.8 25.2#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

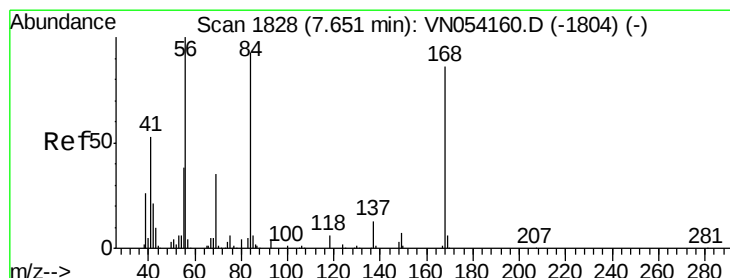
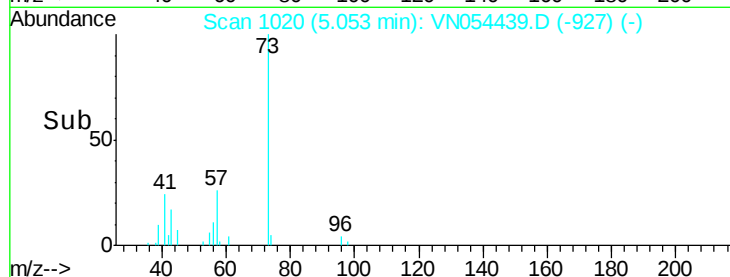
5.05

10000

5000

0

Time--> 4.90 5.00 5.10 5.20



#31

Cyclohexane

Concen: 1.408 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

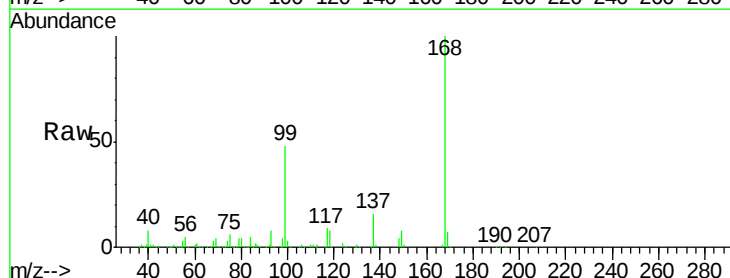
Tgt Ion: 56 Resp: 83989

Ion Ratio Lower Upper

56 100

69 87.4 27.8 41.6#

84 116.6 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

7.66

40000

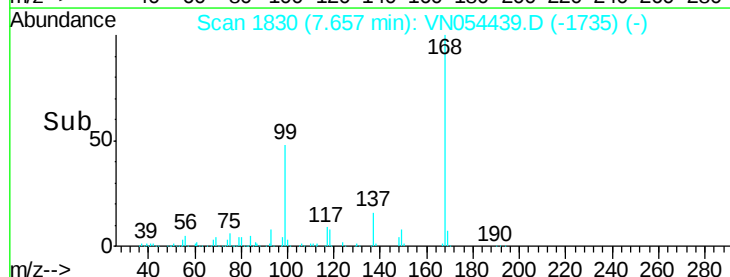
30000

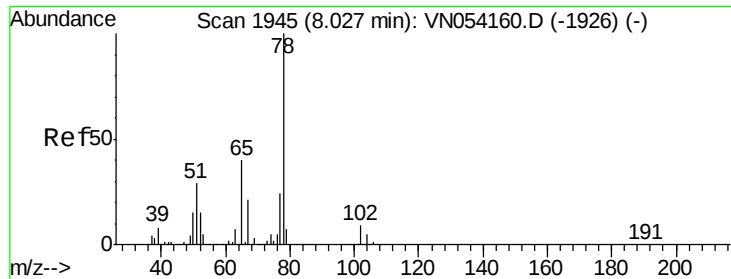
20000

10000

0

Time--> 7.55 7.60 7.65 7.70 7.75

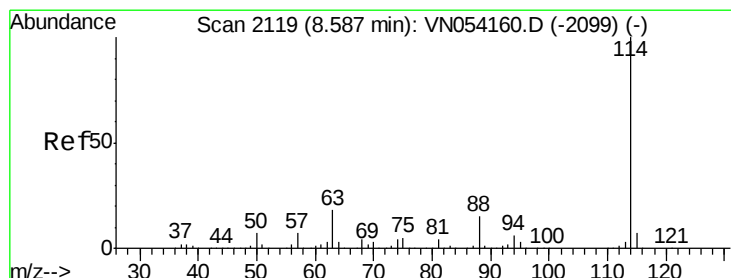
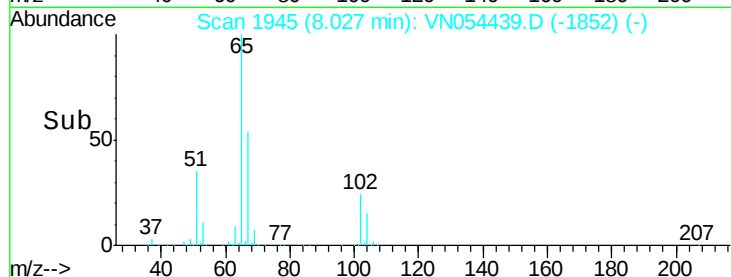
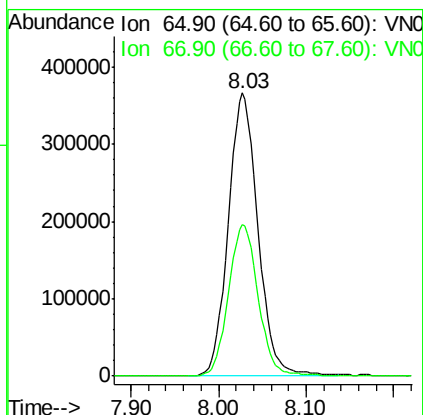
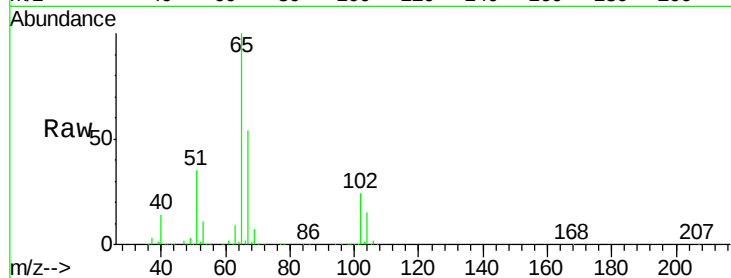




#33
 1,2-Dichloroethane-d4
 Concen: 40.086 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054439.D
 Acq: 19 Mar 2019 14:31

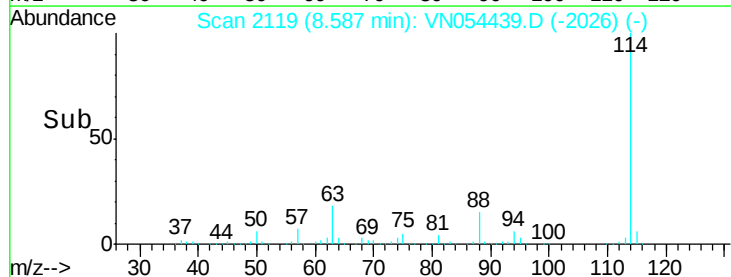
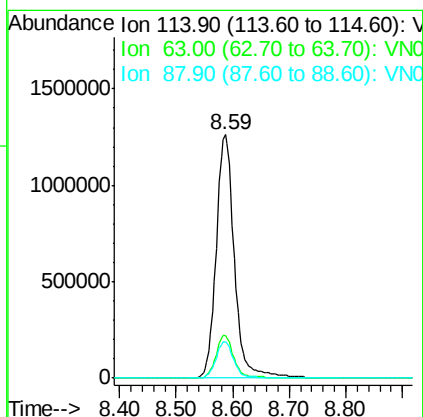
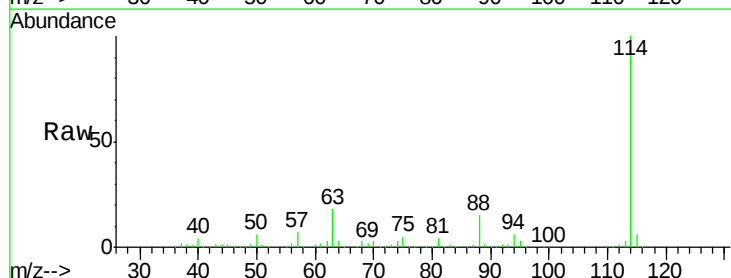
Instrument :
 MSVOA_N
 ClientSampleId :

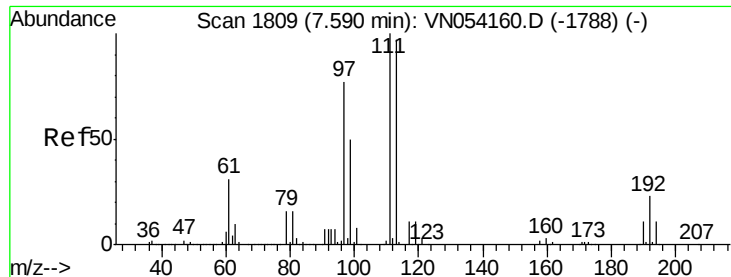
Tot Ion: 65 Resp: 860614
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054439.D
 Acq: 19 Mar 2019 14:31

Tgt Ion: 114 Resp: 2822446
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.085 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :

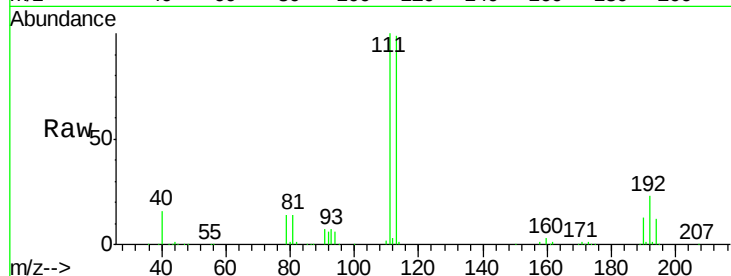
Tot Ion:113 Resp: 838908

Ion Ratio Lower Upper

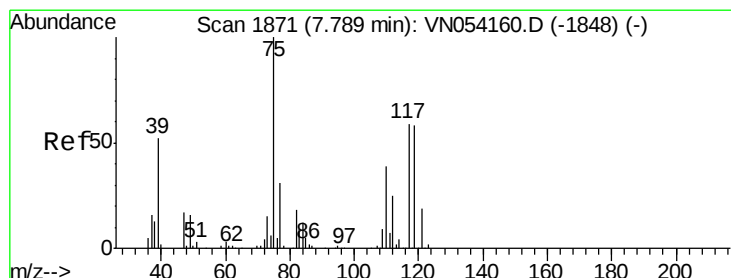
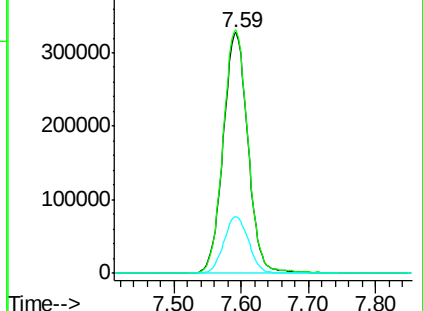
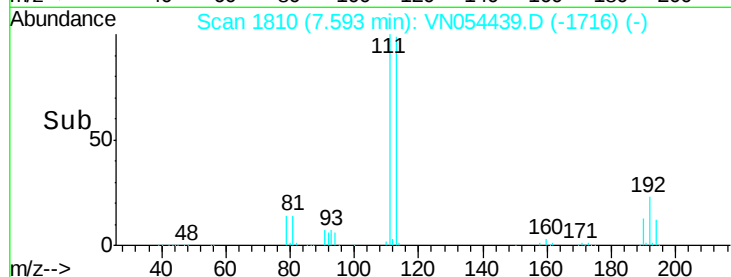
113 100

111 101.4 82.2 123.4

192 23.6 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: 4.257 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

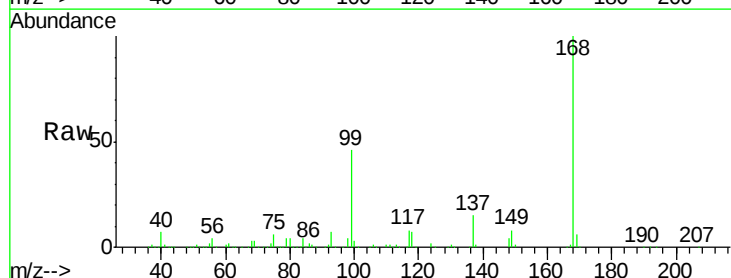
Tgt Ion: 75 Resp: 110659

Ion Ratio Lower Upper

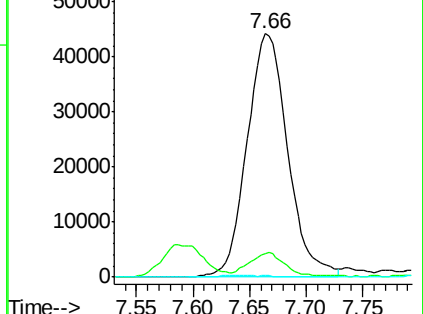
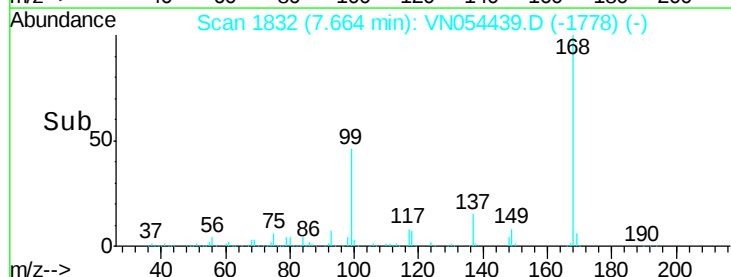
75 100

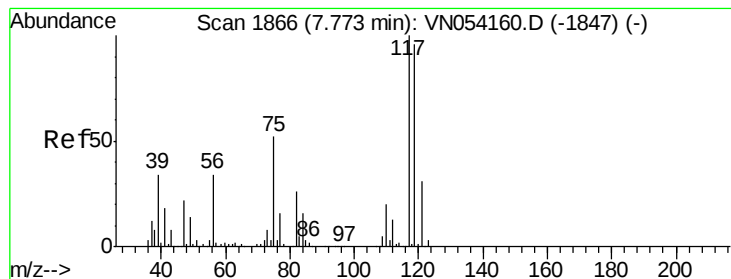
110 9.0 19.1 57.5#

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





#38

Carbon Tetrachloride

Concen: 5.858 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

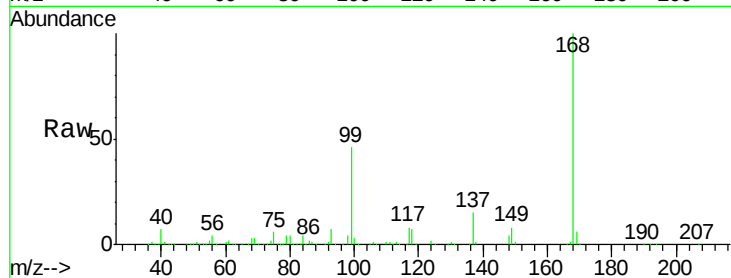
Tot Ion:117 Resp: 159662

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

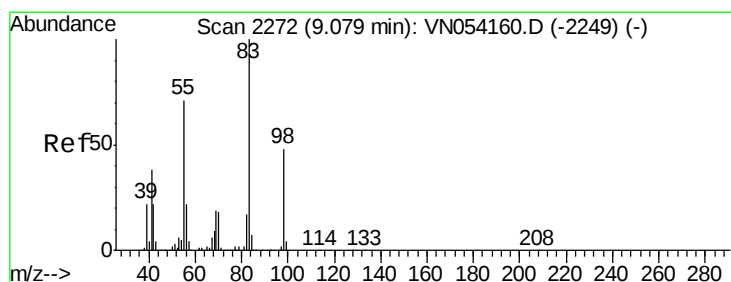
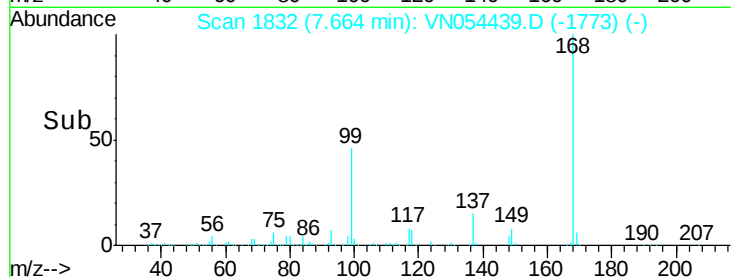
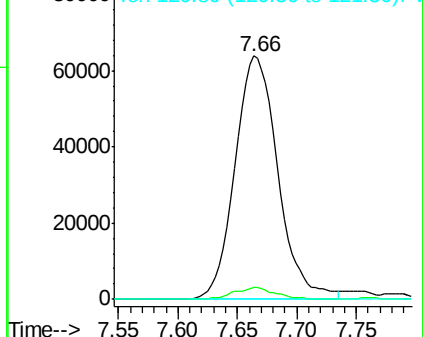
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 3.291 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

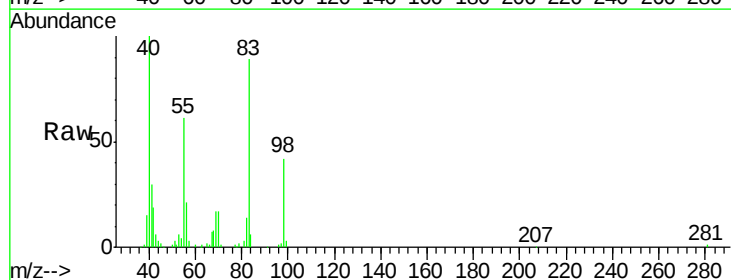
Tgt Ion: 83 Resp: 105255

Ion Ratio Lower Upper

83 100

55 68.1 56.6 84.8

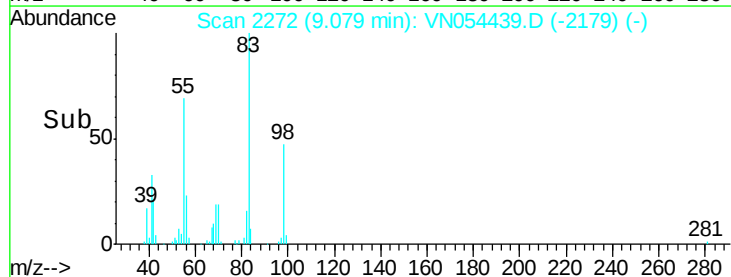
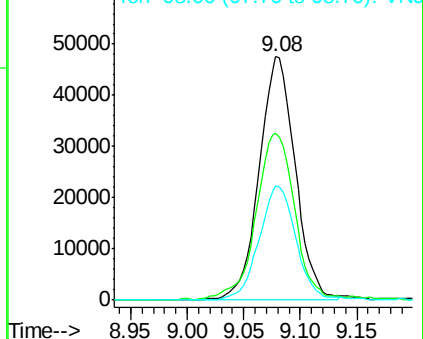
98 47.0 38.4 57.6

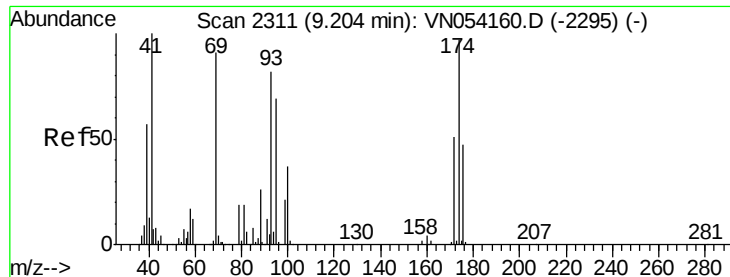


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#49

1,4-Dioxane

Concen: 0.590 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :
MSVOA_N
ClientSampled :

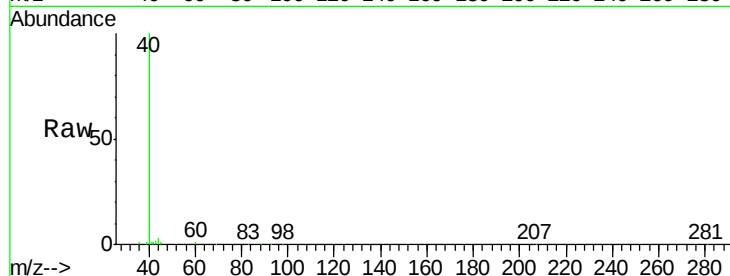
Tot Ion: 88 Resp: 111

Ion Ratio Lower Upper

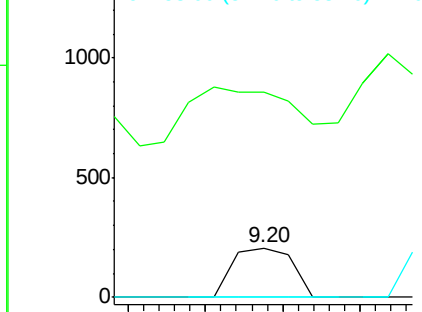
88 100

43 204.5 24.1 36.1#

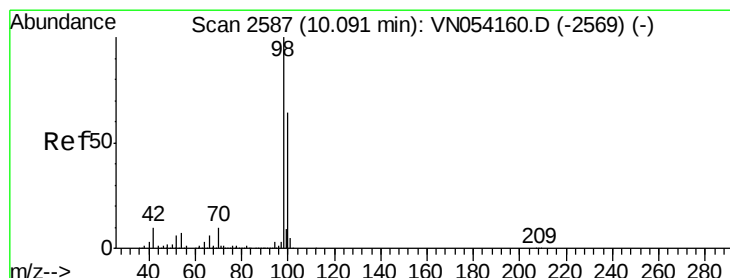
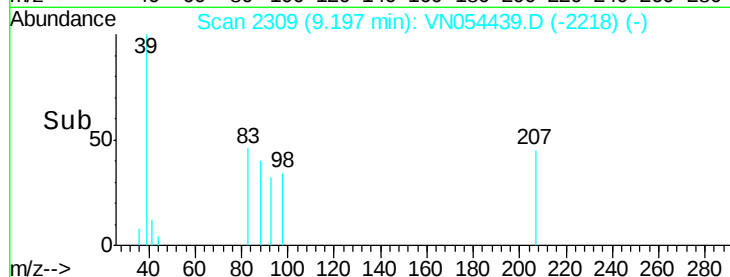
58 0.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 48.036 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054439.D

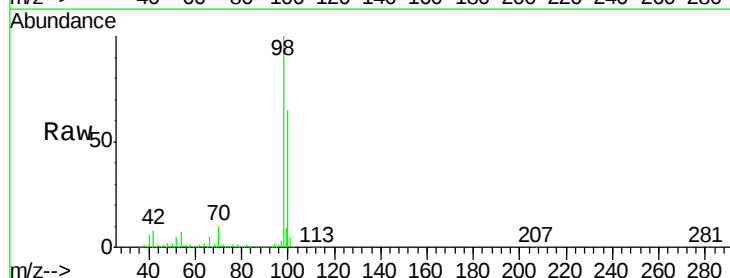
Acq: 19 Mar 2019 14:31

Tgt Ion: 98 Resp: 3229360

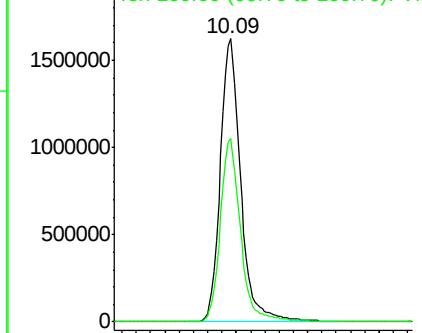
Ion Ratio Lower Upper

98 100

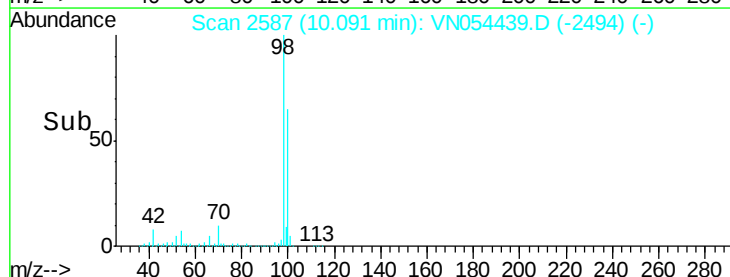
100 64.3 51.2 76.8

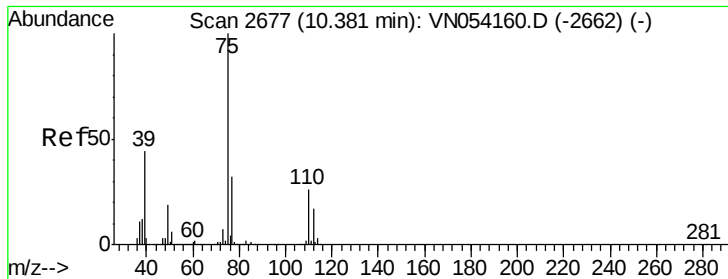


Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 1.993 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

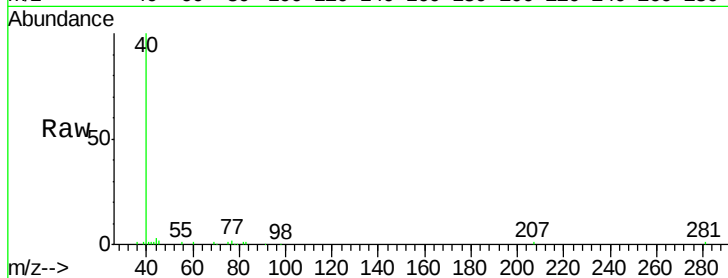
ClientSampleId :

Tot Ion: 75 Resp: 200

Ion Ratio Lower Upper

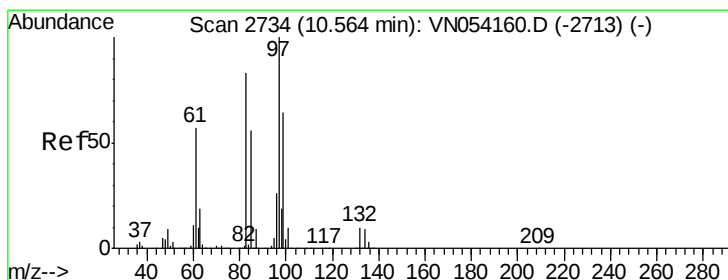
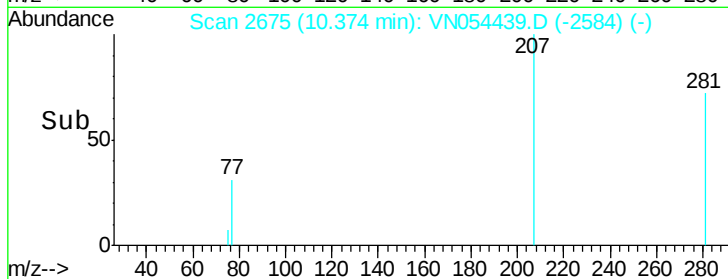
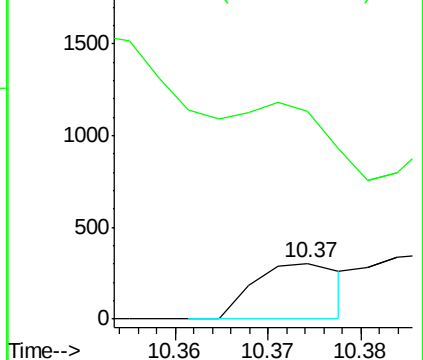
75 100

77 65.8 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: 0.766 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Tgt Ion: 97 Resp: 13188

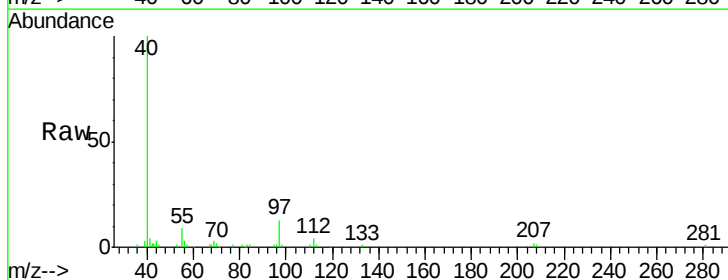
Ion Ratio Lower Upper

97 100

83 9.3 66.6 100.0#

85 0.0 44.4 66.6#

99 0.0 50.8 76.2#

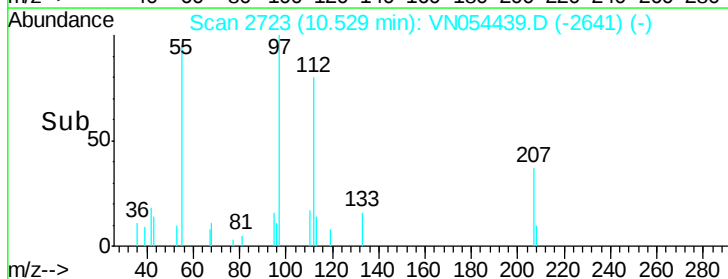
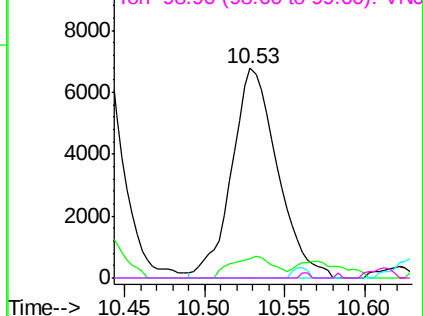


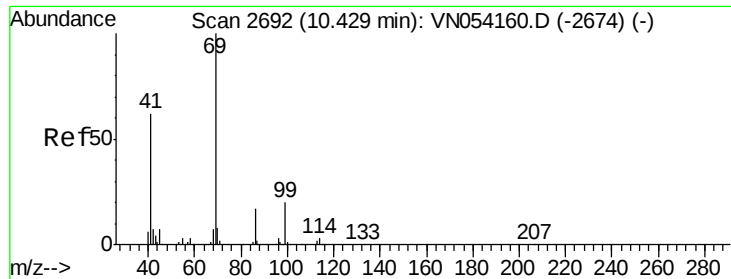
Abundance Ion 96.90 (96.60 to 97.60): VN0

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





#56

Ethyl methacrylate

Concen: 0.374 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

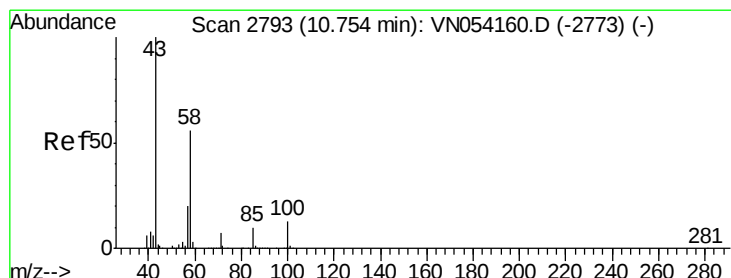
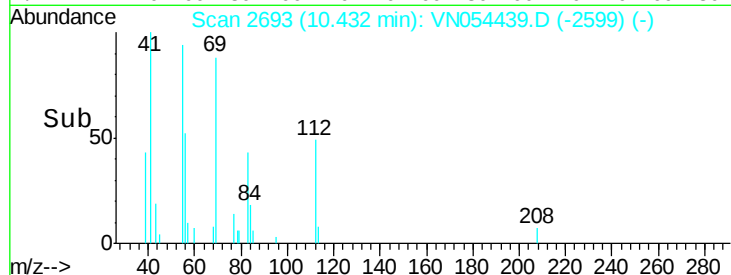
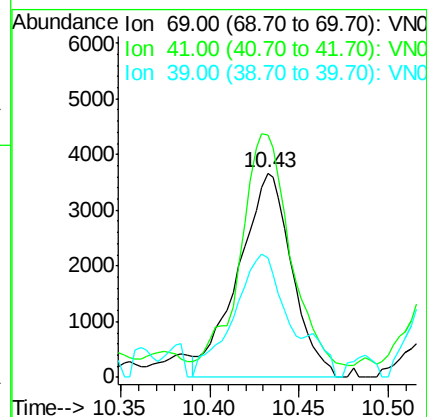
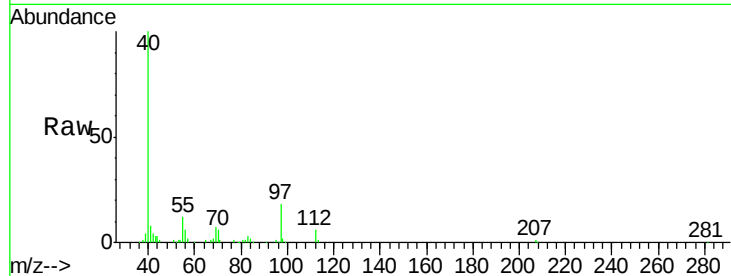
Tot Ion: 69 Resp: 7673

Ion Ratio Lower Upper

69 100

41 103.7 49.4 74.2#

39 57.0 28.3 42.5#



#59

2-Hexanone

Concen: 0.593 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN054439.D

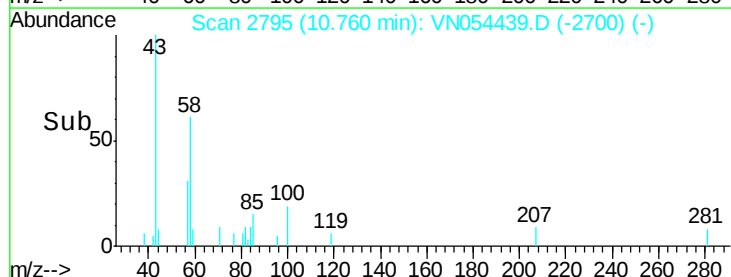
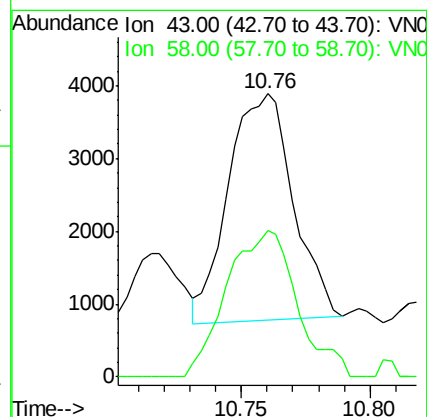
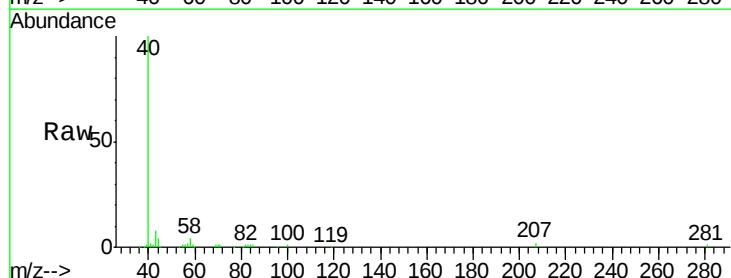
Acq: 19 Mar 2019 14:31

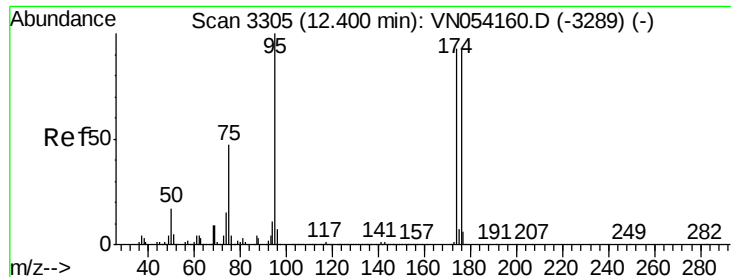
Tgt Ion: 43 Resp: 5475

Ion Ratio Lower Upper

43 100

58 69.6 28.0 83.9





#62

4-Bromofluorobenzene

Concen: 41.918 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

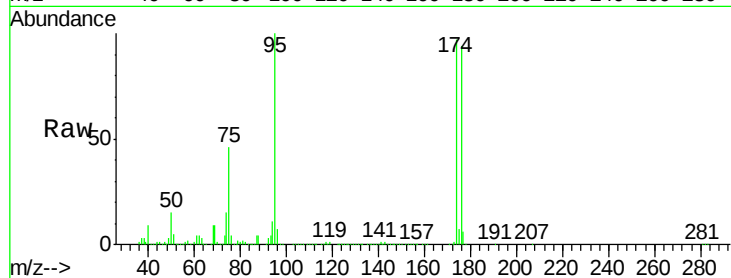
Tot Ion: 95 Resp: 986061

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

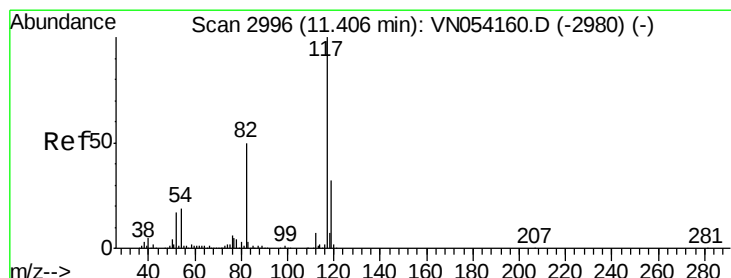
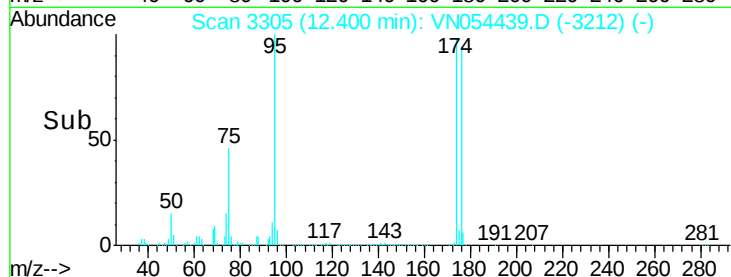
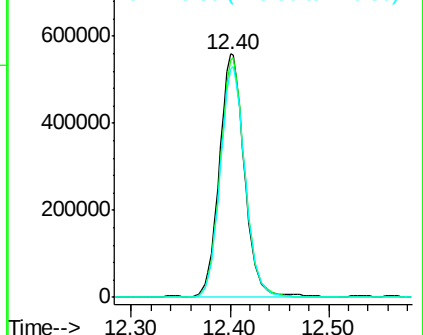
176 94.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054439.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054439.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054439.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

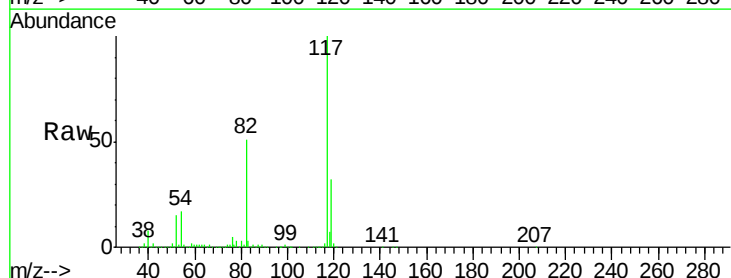
Tgt Ion: 117 Resp: 2334359

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

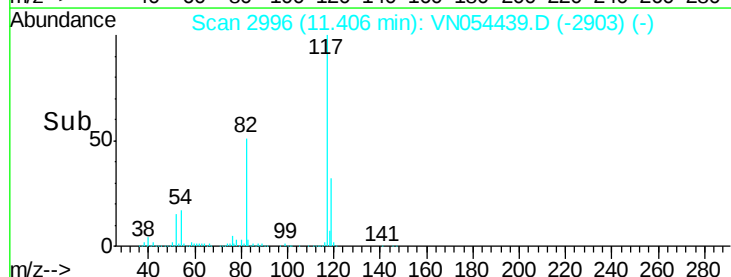
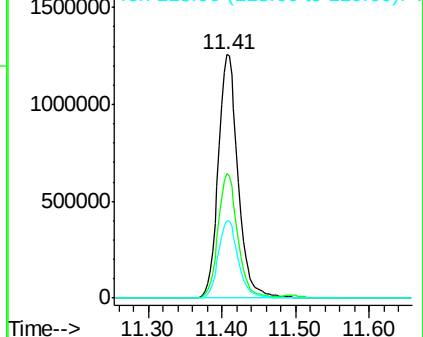
119 31.9 25.8 38.6

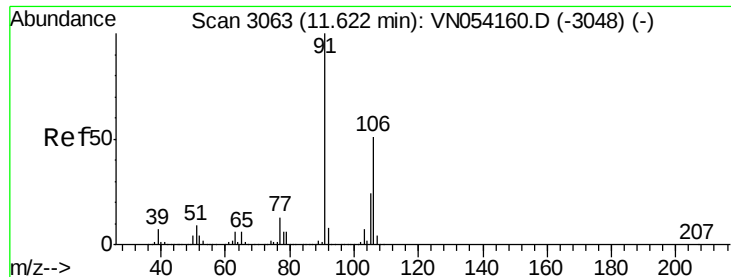


Abundance Ion 116.90 (116.60 to 117.60): VN054439.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054439.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054439.D (-2903) (-)

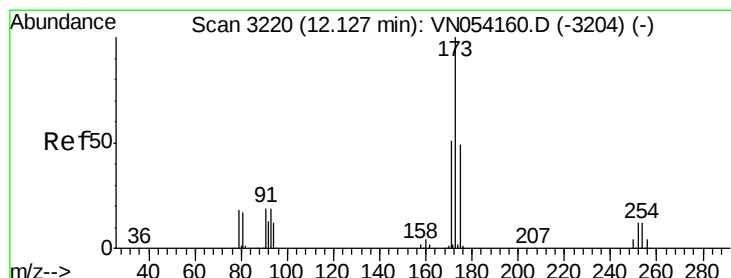
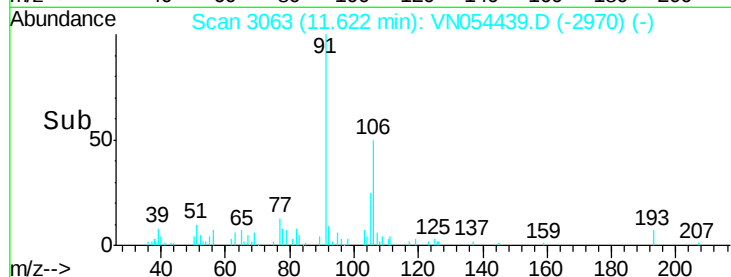
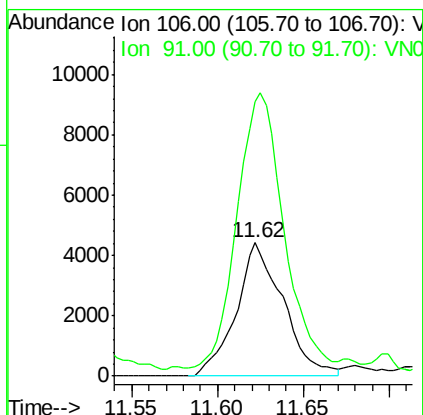
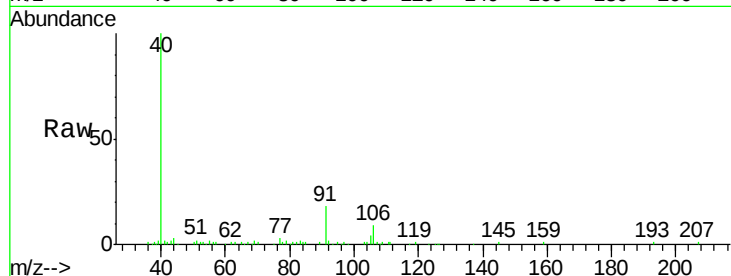




#68
m/p-Xvlenes
Concen: 0.254 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

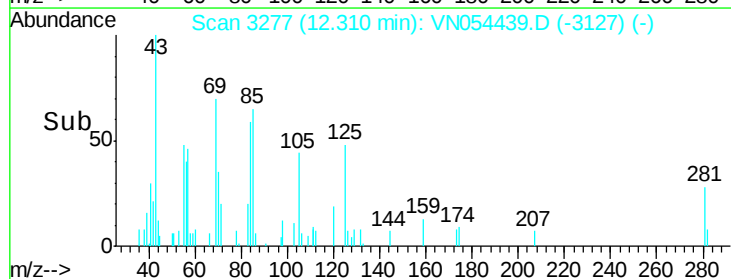
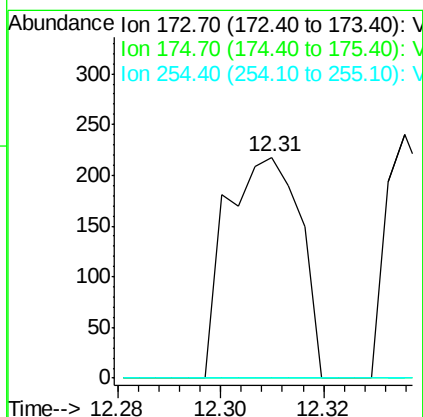
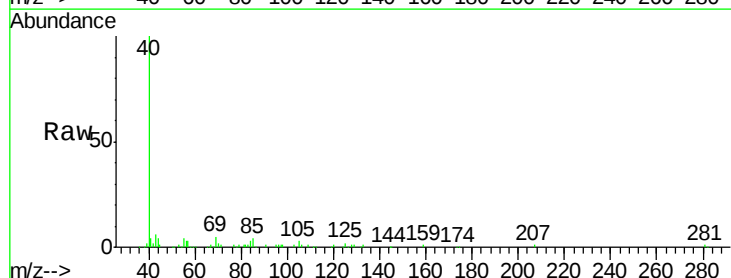
Instrument :
MSVOA_N
ClientSampled :

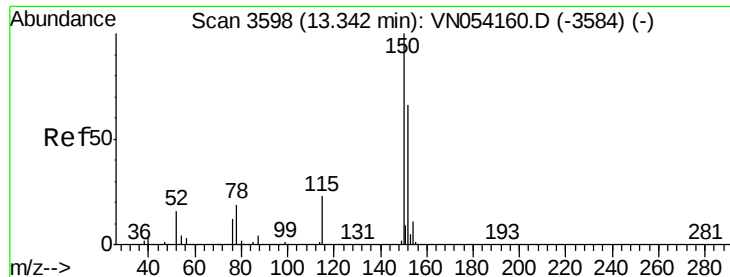
Tot Ion:106 Resp: 8425
Ion Ratio Lower Upper
106 100
91 203.6 159.4 239.2



#71
Bromoform
Concen: 2.365 ug/l
RT: 12.31 min Scan# 3277
Delta R.T. 0.18 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

Tgt Ion:173 Resp: 216
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

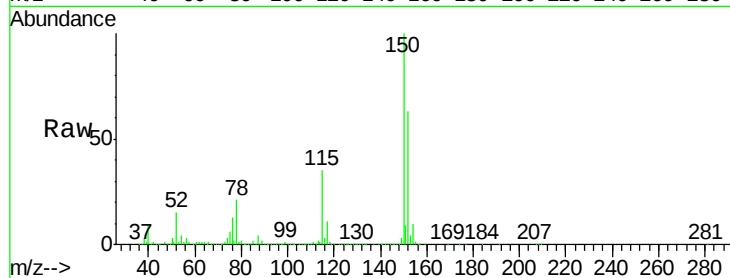
Tot Ion:152 Resp: 985549

Ion Ratio Lower Upper

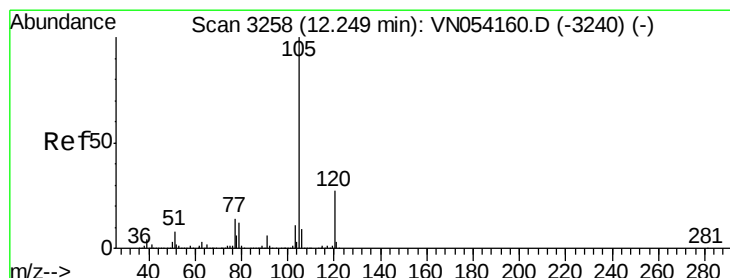
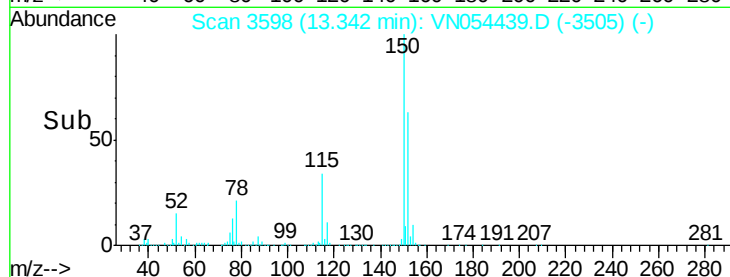
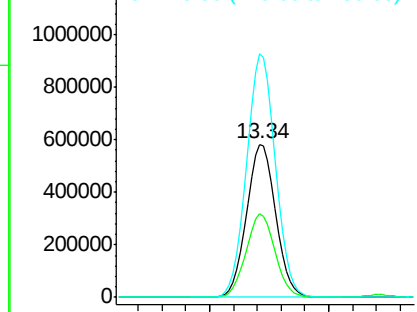
152 100

115 53.9 27.2 81.6

150 157.4 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: 6.361 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054439.D

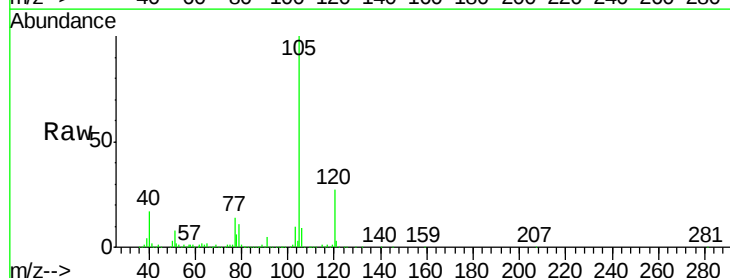
Acq: 19 Mar 2019 14:31

Tgt Ion:105 Resp: 501588

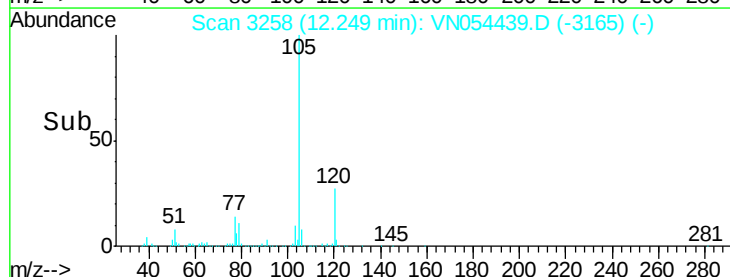
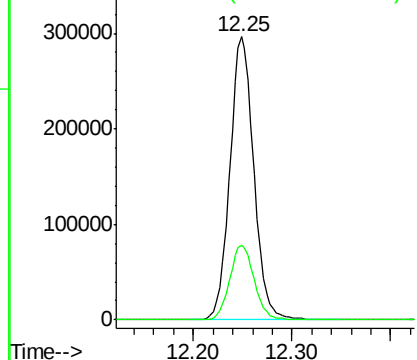
Ion Ratio Lower Upper

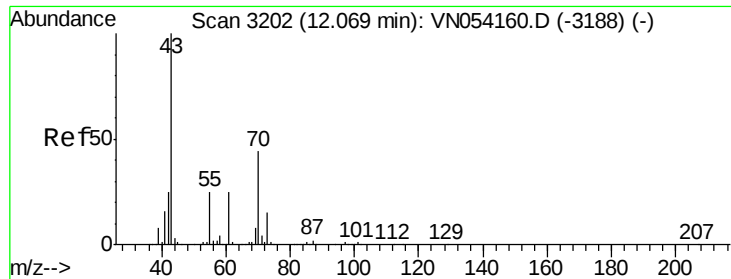
105 100

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





#74

N-amvl acetate

Concen: 0.282 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 4928

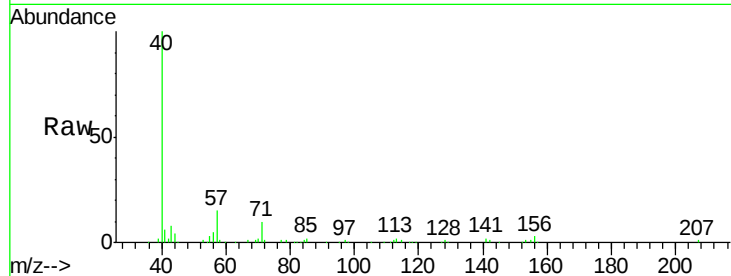
Ion Ratio Lower Upper

43 100

70 7.4 35.4 53.0#

55 0.0 19.8 29.6#

61 0.0 19.8 29.6#

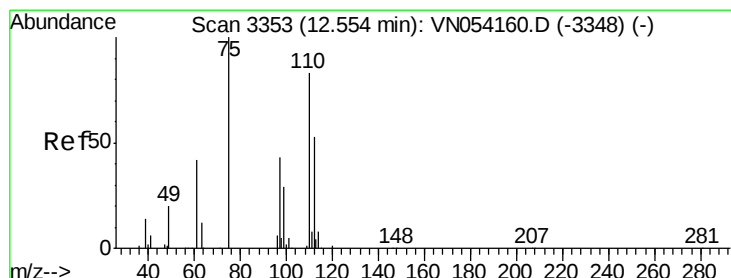
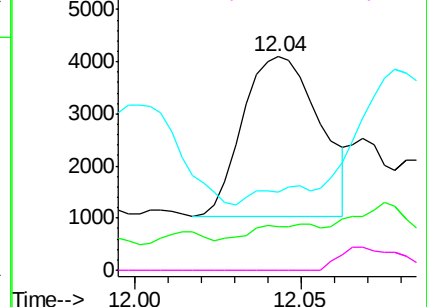
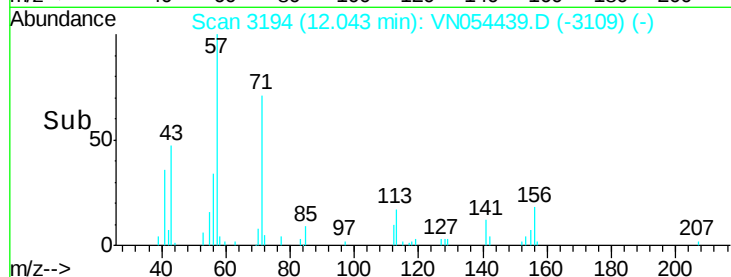


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 31.046 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054439.D

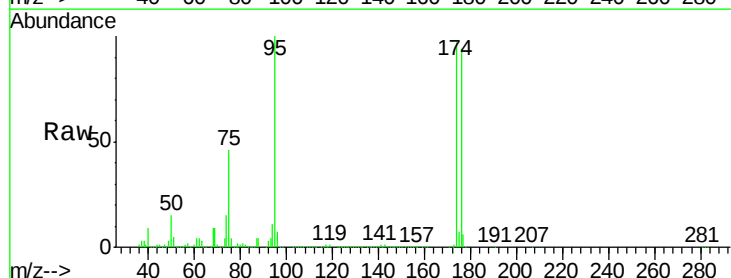
Acq: 19 Mar 2019 14:31

Tgt Ion: 75 Resp: 449951

Ion Ratio Lower Upper

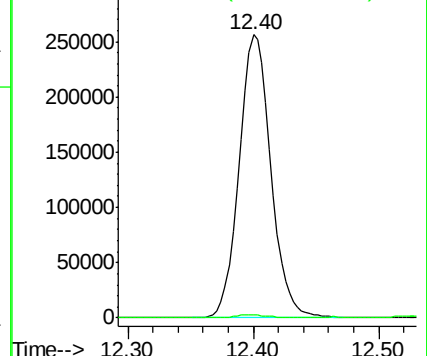
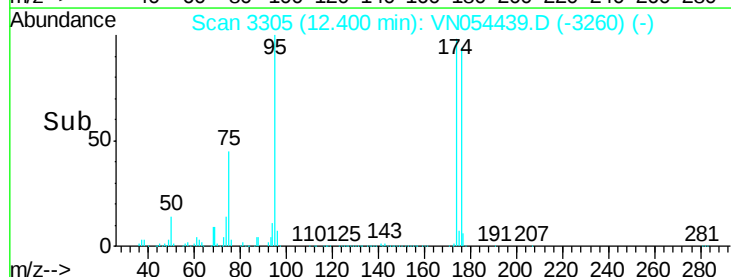
75 100

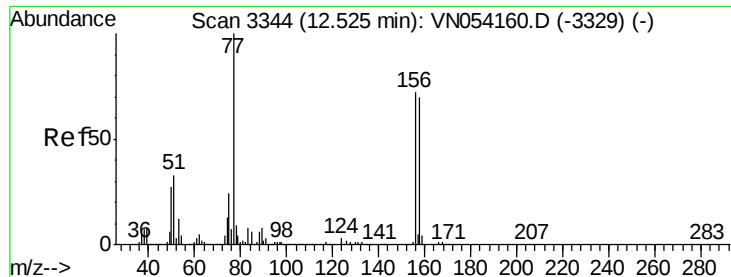
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 0.364 ug/l

RT: 12.53 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

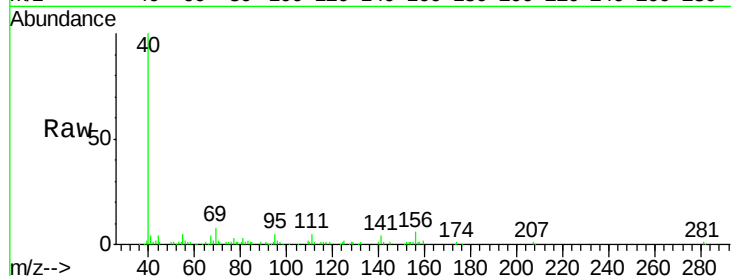
Tot Ion:156 Resp: 7591

Ion Ratio Lower Upper

156 100

77 27.6 81.5 244.4#

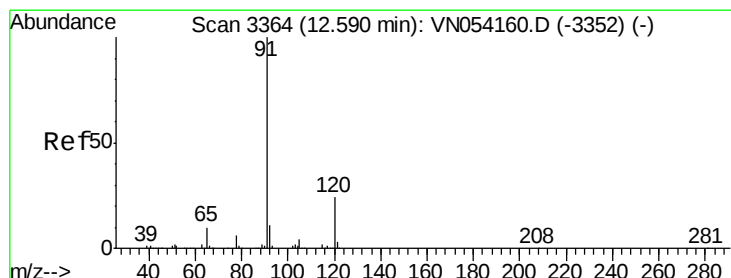
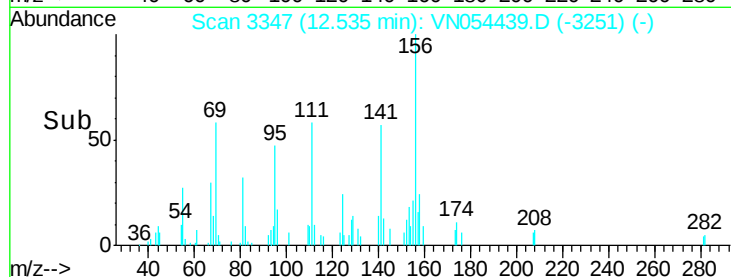
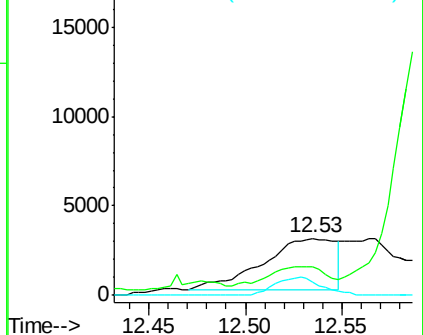
158 22.2 49.0 147.2#



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



#78

n-propylbenzene

Concen: 7.366 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054439.D

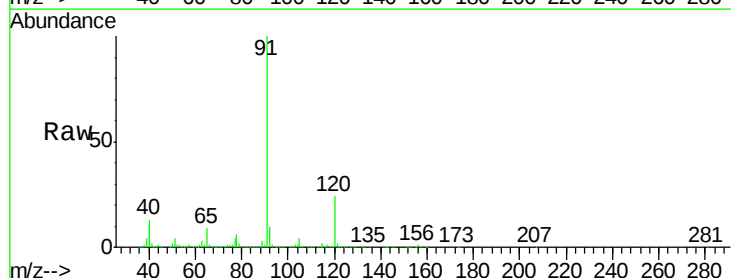
Acq: 19 Mar 2019 14:31

Tgt Ion: 91 Resp: 630179

Ion Ratio Lower Upper

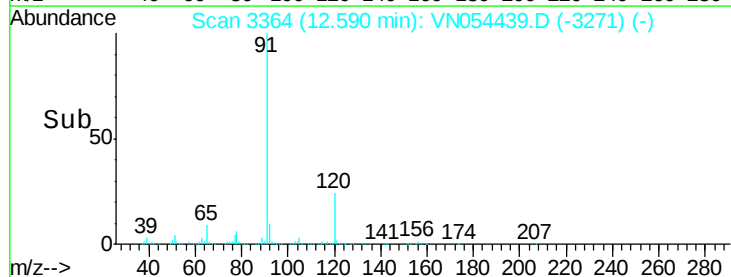
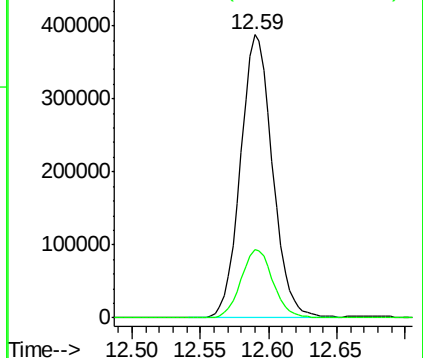
91 100

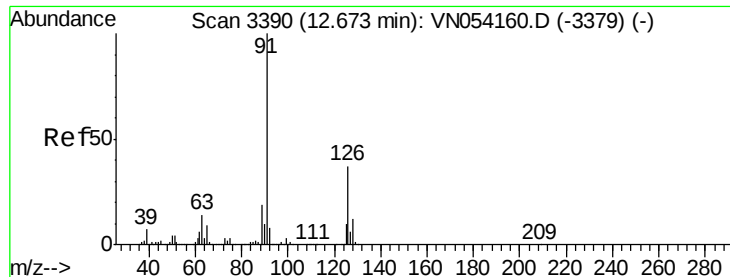
120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 12.250 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

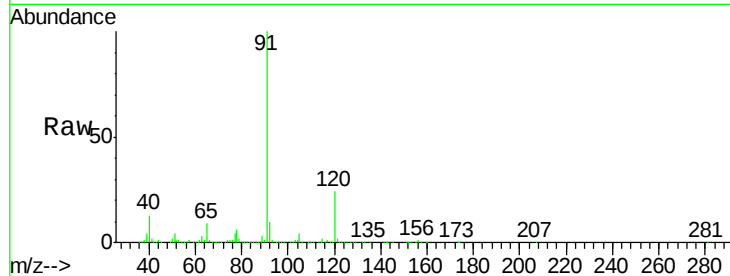
ClientSampleId :

Tot Ion: 91 Resp: 630179

Ion Ratio Lower Upper

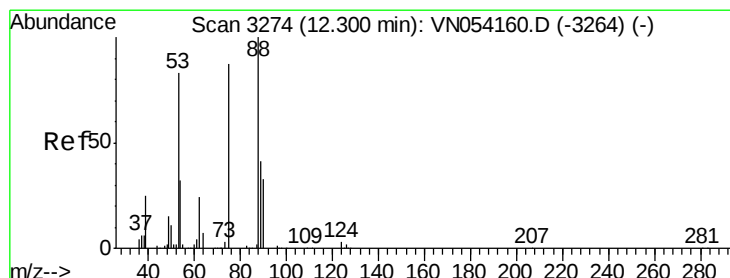
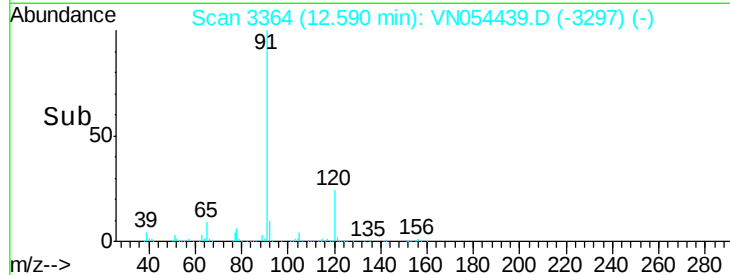
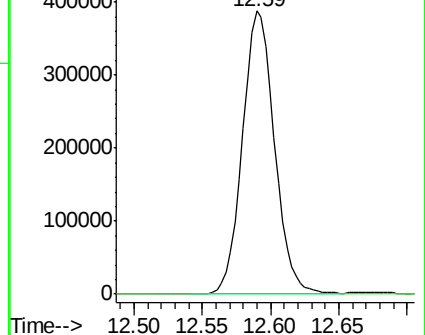
91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 106.130 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

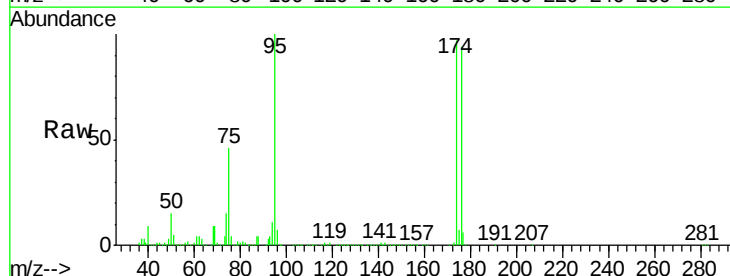
Tgt Ion: 75 Resp: 449951

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

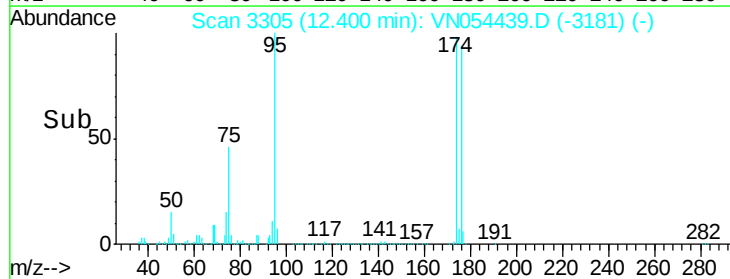
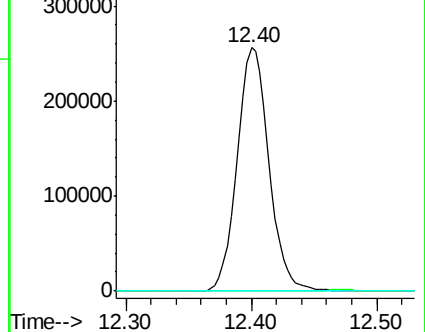
89 0.0 39.2 58.8#

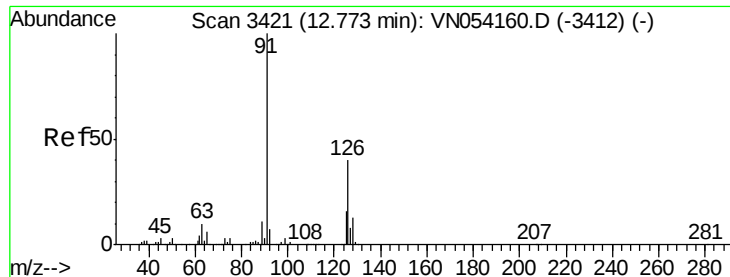


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 12.268 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.18 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

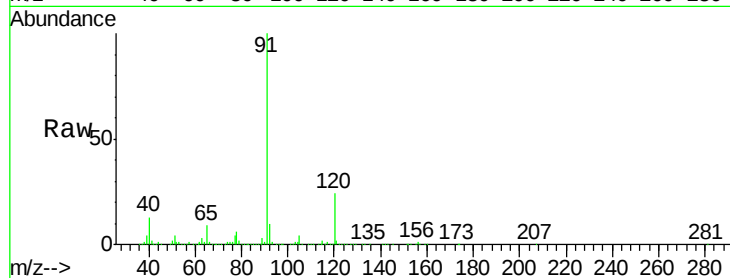
ClientSampled :

Tot Ion: 91 Resp: 630179

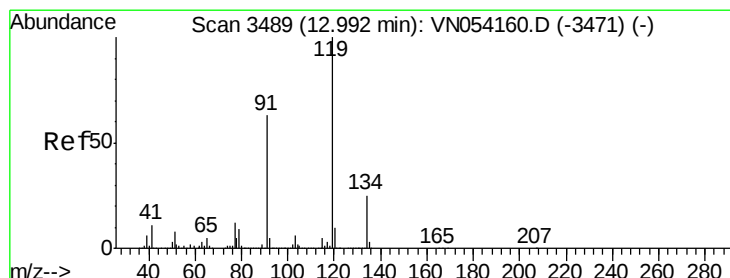
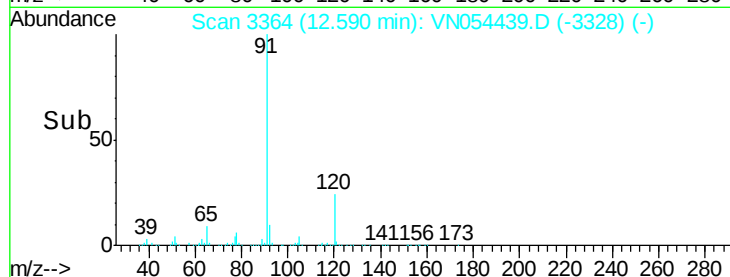
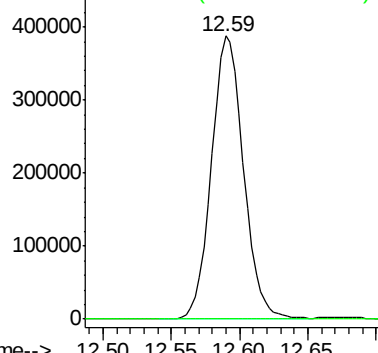
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054439.D (-3328) (-)



#83

tert-Butylbenzene

Concen: 0.981 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

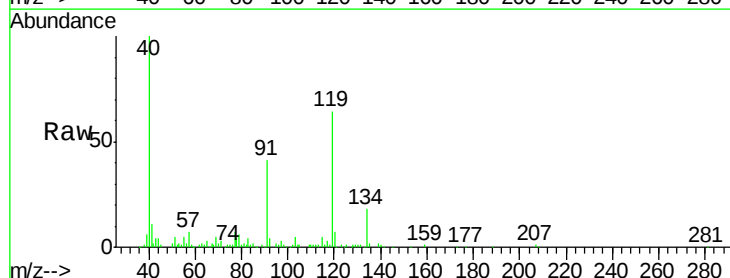
Tgt Ion: 119 Resp: 59194

Ion Ratio Lower Upper

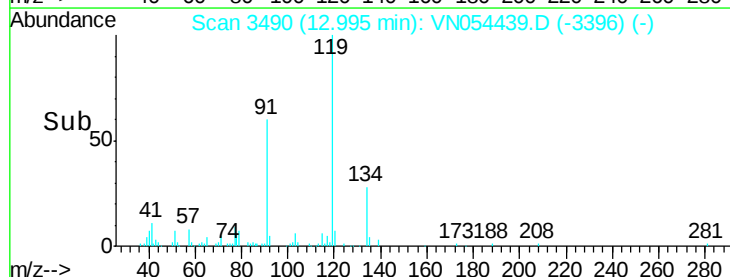
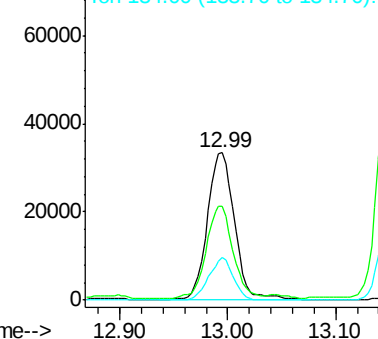
119 100

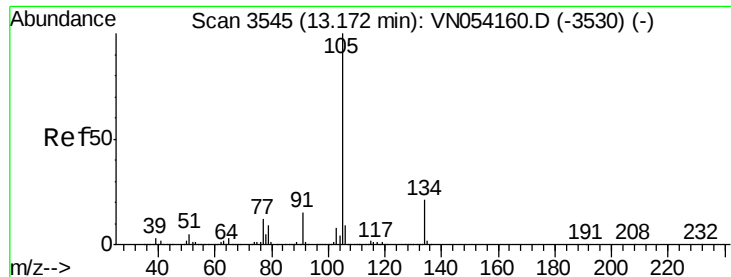
91 61.3 30.9 92.8

134 25.4 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): VN054439.D (-3396) (-)





#85

sec-Butylbenzene

Concen: 4.885 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

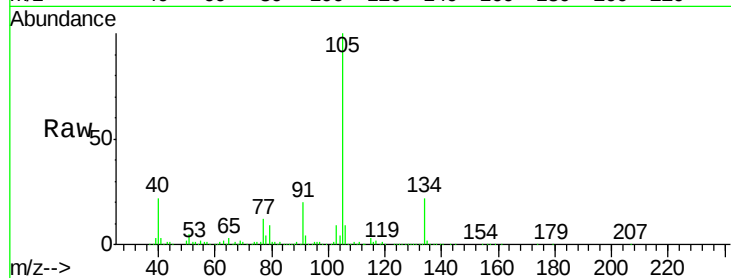
ClientSampled :

Tot Ion:105 Resp: 382452

Ion Ratio Lower Upper

105 100

134 28.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

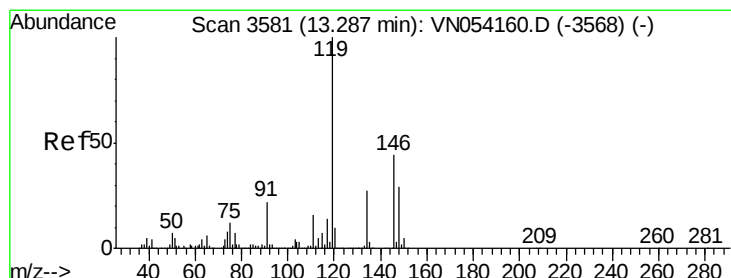
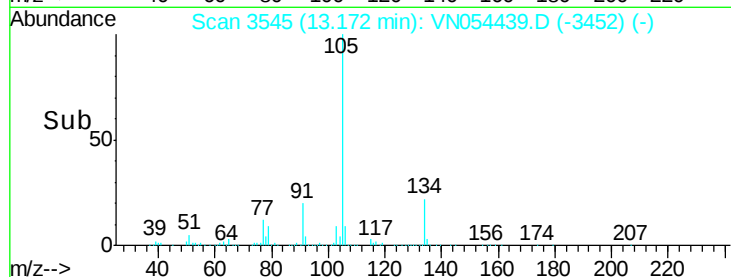
150000

100000

50000

0

Time--> 13.10 13.20



#86

p-Isopropyltoluene

Concen: 2.789 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

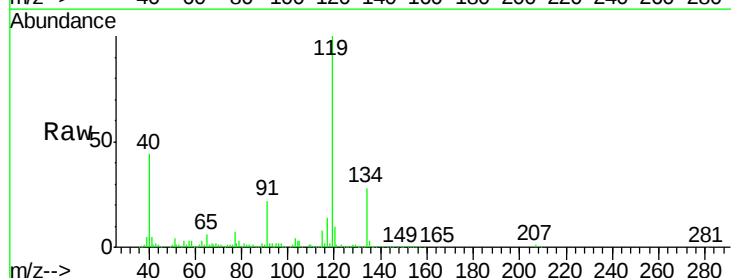
Tgt Ion:119 Resp: 191577

Ion Ratio Lower Upper

119 100

134 28.3 13.6 40.8

91 22.6 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

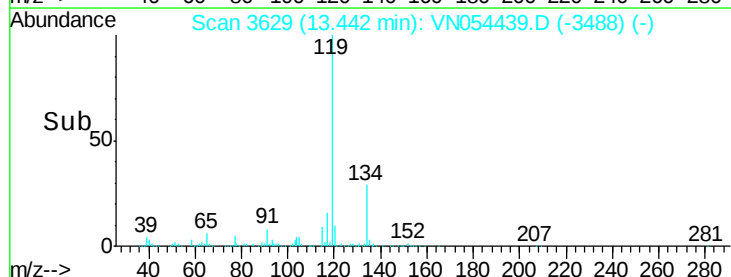
300000

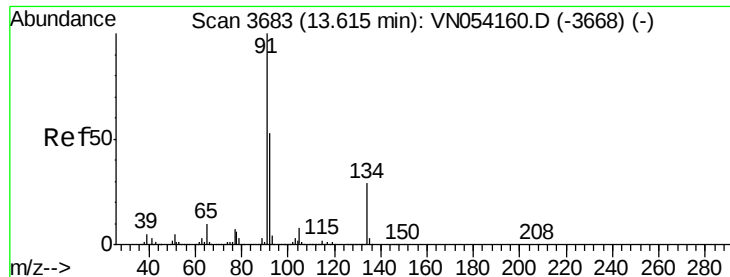
200000

100000

0

Time--> 13.40 13.45





#89

n-Butylbenzene

Concen: 3.717 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

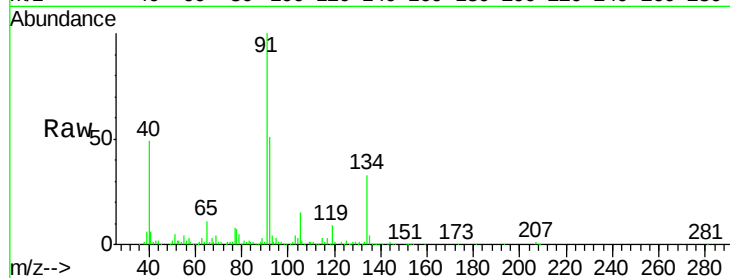
Tot Ion: 91 Resp: 193962

Ion Ratio Lower Upper

91 100

92 46.2 26.2 78.6

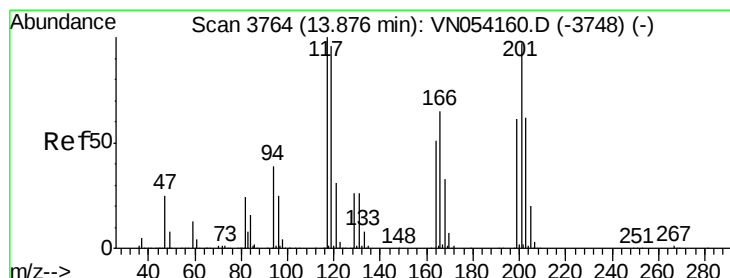
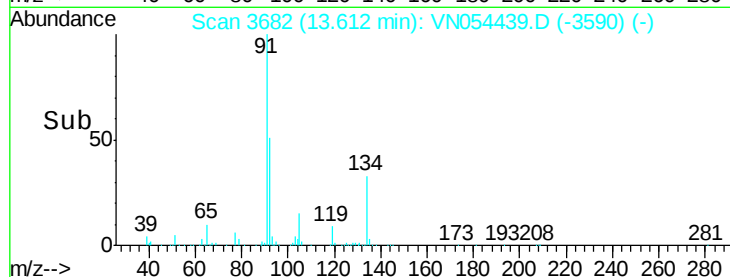
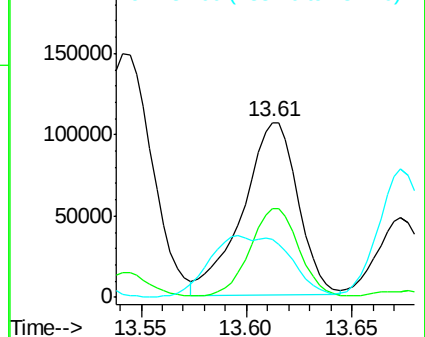
134 27.6 14.3 42.9



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: 14.326 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054439.D

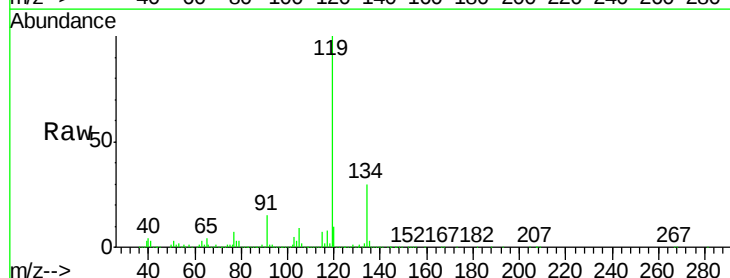
Acq: 19 Mar 2019 14:31

Tgt Ion: 117 Resp: 162929

Ion Ratio Lower Upper

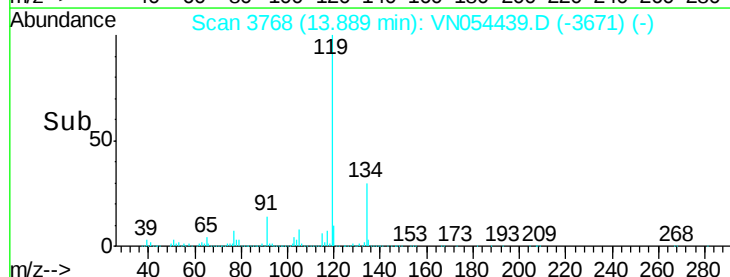
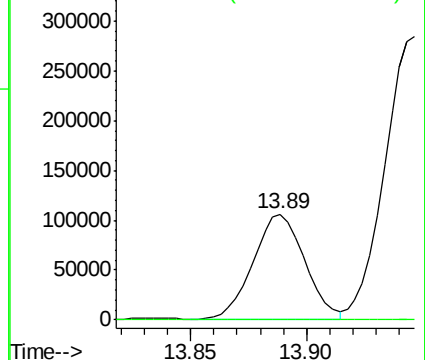
117 100

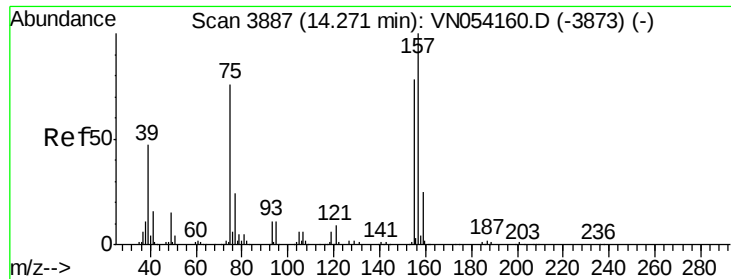
201 0.0 48.1 144.4#



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: 0.386 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampled :

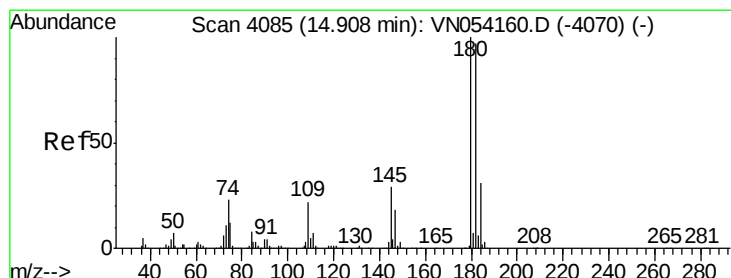
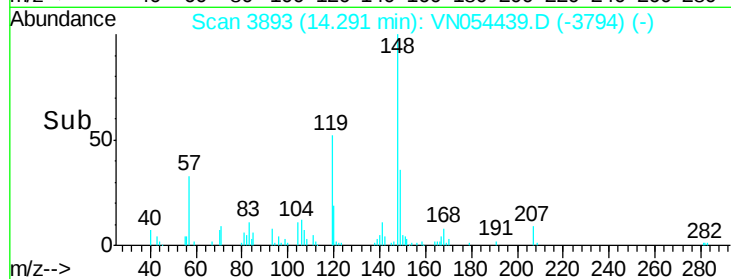
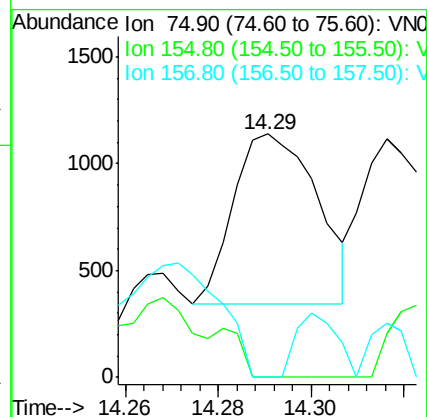
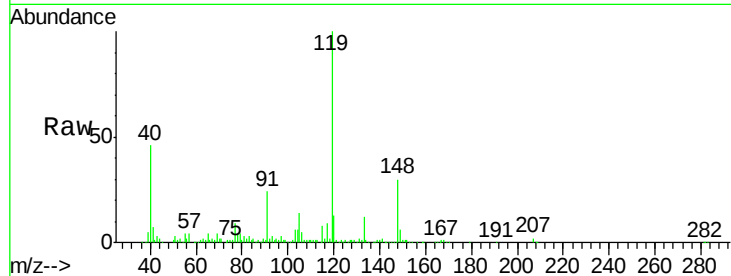
Tot Ion: 75 Resp: 1003

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 18.2 63.1 189.3#



#93

1,2,4-Trichlorobenzene

Concen: 2.940 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

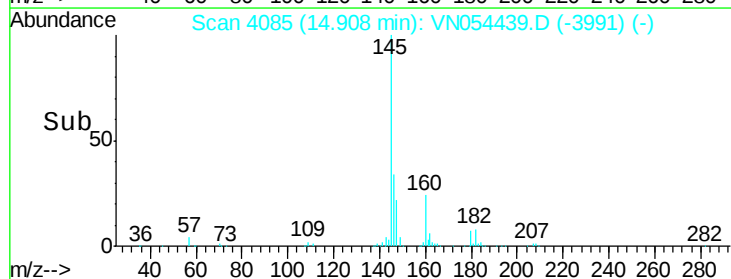
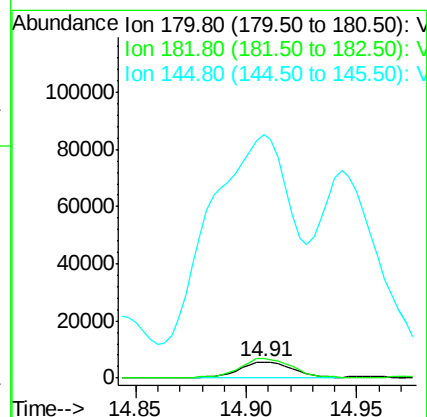
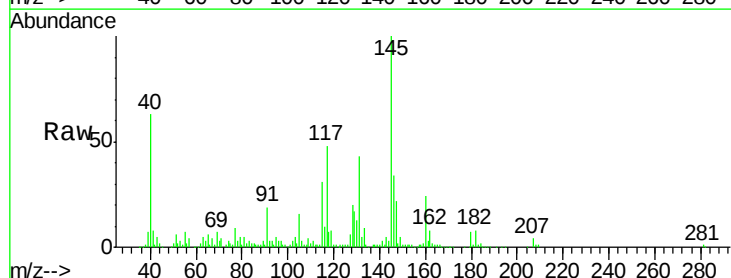
Tgt Ion:180 Resp: 9255

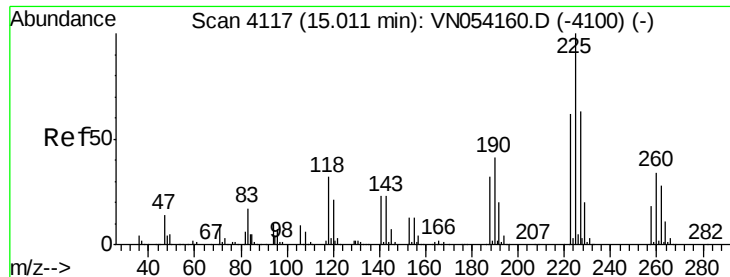
Ion Ratio Lower Upper

180 100

182 126.9 48.0 144.2

145 2238.6 14.2 42.8#

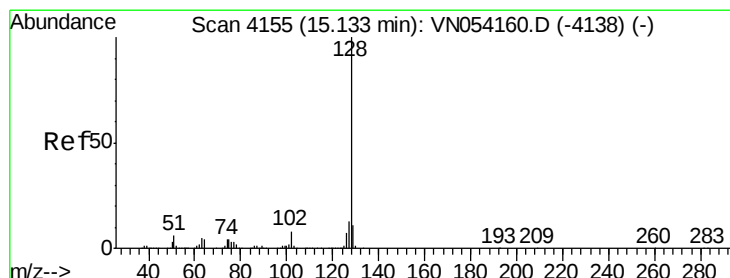
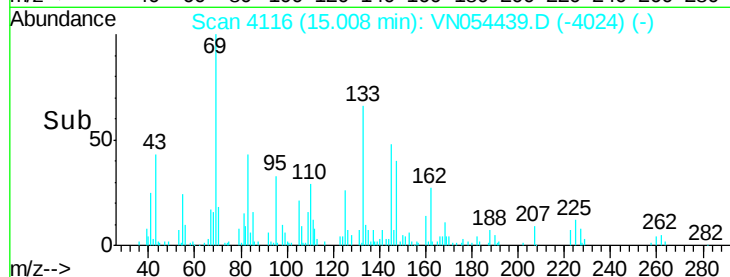
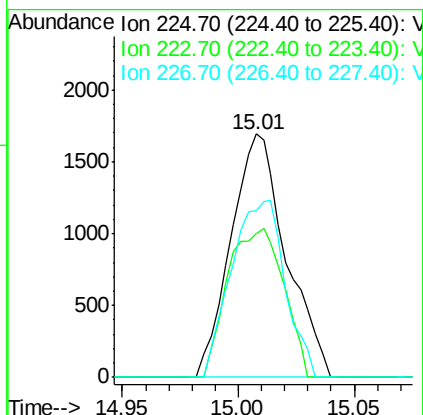
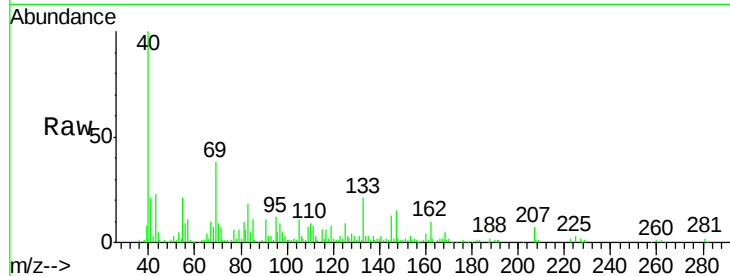




#94
Hexachlorobutadiene
Concen: 0.214 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

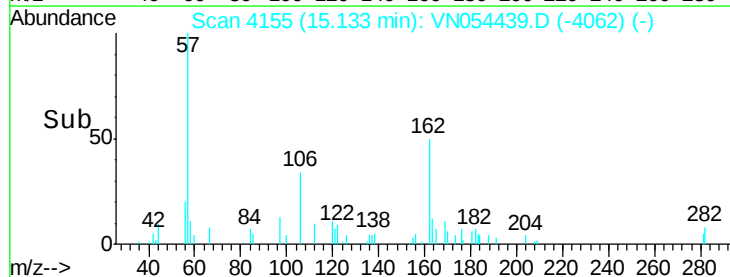
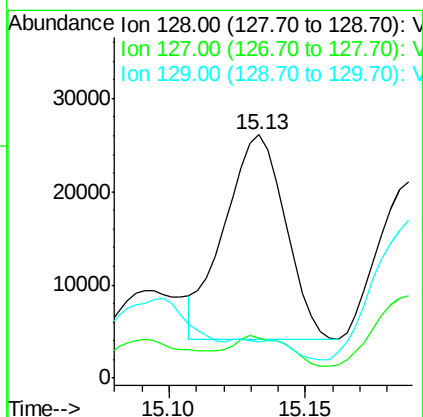
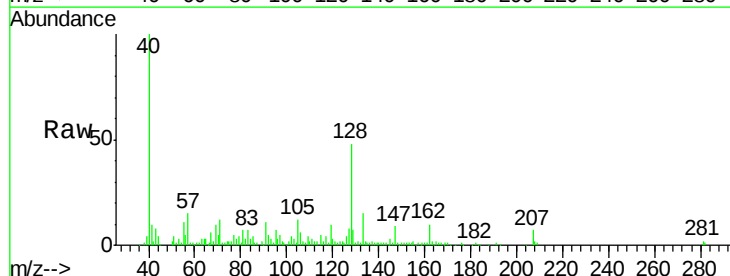
Instrument :
MSVOA_N
ClientSampleId :

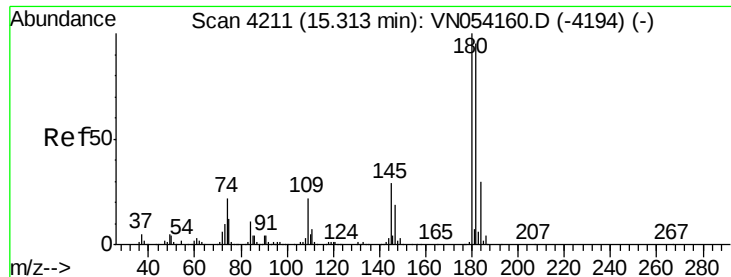
Tot Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.5
227	70.7	31.9	95.9



#95
Naphthalene
Concen: 4.202 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.1	15.1
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.691 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN054439.D
 Acq: 19 Mar 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.1	47.5	142.6
145	683.5	14.8	44.3#

