

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054421.D
 Acq On : 19 Mar 2019 4:35
 Operator : JC/SP
 Sample : K1970-05 10X
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-5-E.WALL-SOUTH

Quant Time: Mar 19 05:21:16 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	1859338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2653108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2248866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	996965	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	869760	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	
35) Dibromofluoromethane	7.59	113	794406	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
50) Toluene-d8	10.09	98	3079167	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	975432	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	172	1.503	ug/l #	52
13) Acrolein	3.61	56	481	0.375	ug/l #	73
16) Acetone	3.82	43	1399	0.247	ug/l #	52
31) Cyclohexane	7.66	56	31352	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	105874	4.333	ug/l #	48
38) Carbon Tetrachloride	7.66	117	148487	5.795	ug/l #	15
39) Methylcyclohexane	9.08	83	38434	1.279	ug/l	96
48) Methyl methacrylate	9.14	41	2607	0.208	ug/l #	53
49) 1,4-Dioxane	8.96	88	65	0.367	ug/l #	1
53) t-1,3-Dichloropropene	10.37	75	31	1.987	ug/l #	42
55) 1,1,2-Trichloroethane	10.53	97	25934	1.602	ug/l #	21
56) Ethyl methacrylate	10.43	69	8153	0.422	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.71	63	304	16.862	ug/l	91
59) 2-Hexanone	10.72	43	34744	4.004	ug/l #	28
67) Ethyl Benzene	11.51	91	31223	0.381	ug/l	97
71) Bromoform	12.11	173	269	2.369	ug/l #	28
73) Isopropylbenzene	12.25	105	101979	1.279	ug/l	98
74) N-amyl acetate	12.04	43	67581	3.817	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.45	83	4505	0.265	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	454084	30.973	ug/l #	100
77) Bromobenzene	12.55	156	173538	8.222	ug/l #	1
78) n-propylbenzene	12.59	91	217158	2.509	ug/l	99
79) 2-Chlorotoluene	12.59	91	217158	4.173	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	28265	0.426	ug/l #	27
81) trans-1,4-Dichloro-2-buten	12.40	75	454084	105.878	ug/l #	11
82) 4-Chlorotoluene	12.59	91	217158	4.179	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.17	105	260779	4.007	ug/l #	31
85) sec-Butylbenzene	13.17	105	260779	3.293	ug/l	89
86) p-Isopropyltoluene	13.44	119	49175	0.708	ug/l	95
89) n-Butylbenzene	13.62	91	203044	3.846	ug/l #	83
90) Hexachloroethane	13.89	117	83497	7.258	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.29	75	3188	1.212	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	1423	2.581	ug/l #	1
95) Naphthalene	15.10	128	16724	3.826	ug/l #	1

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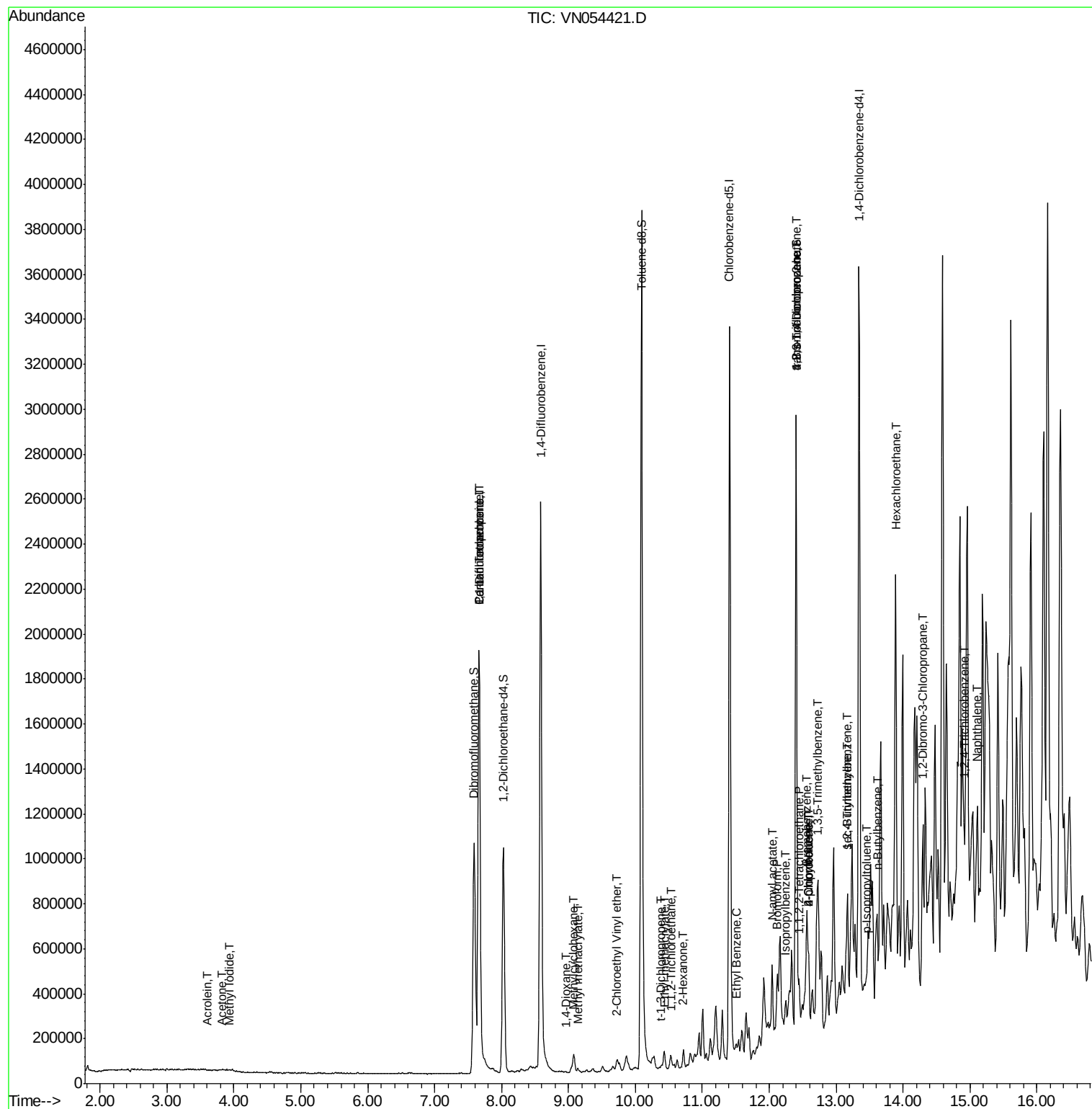
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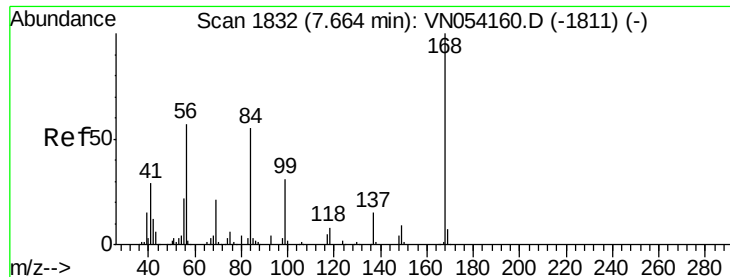
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

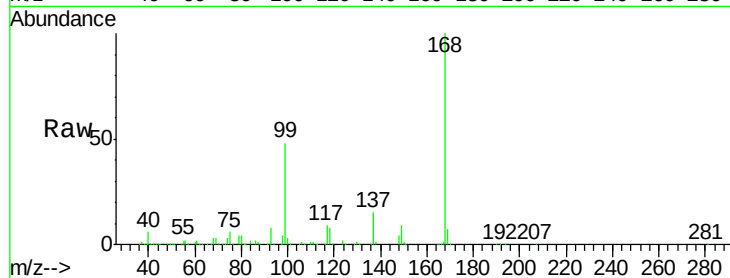
P-5-E.WALL-SOUTH

Tot Ion:168 Resp: 1859338

Ion Ratio Lower Upper

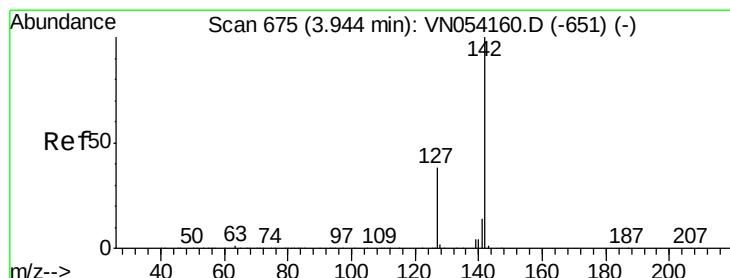
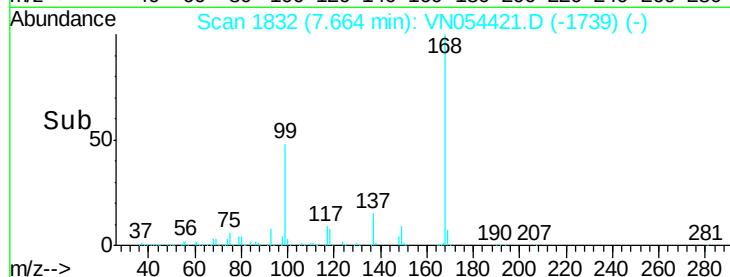
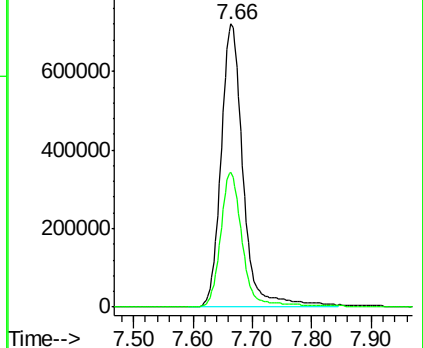
168 100

99 47.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 1.503 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

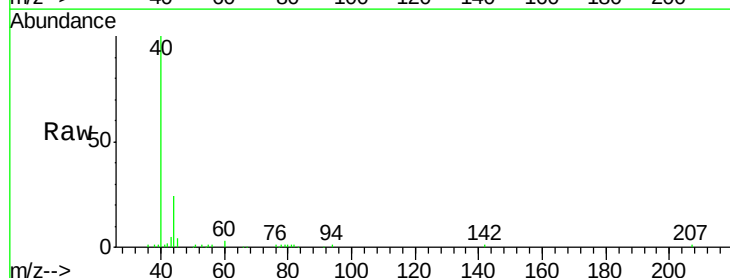
Tgt Ion:142 Resp: 172

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

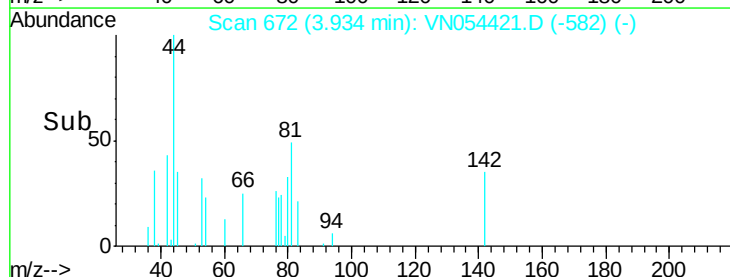
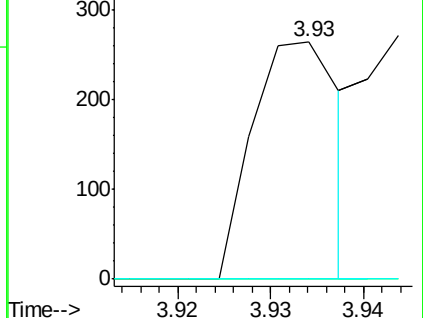
141 17.4 11.2 16.8#

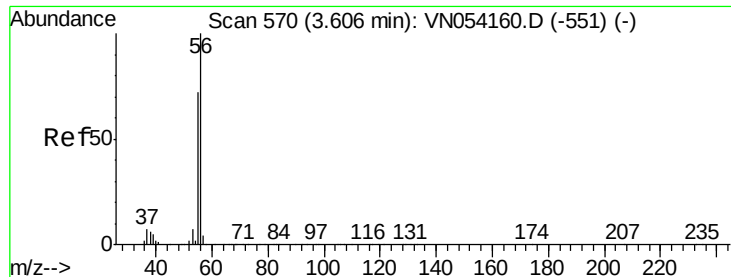


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.375 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

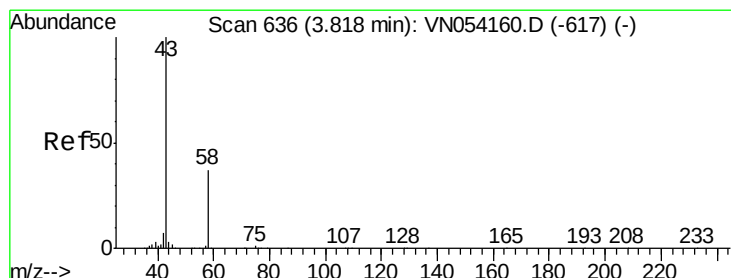
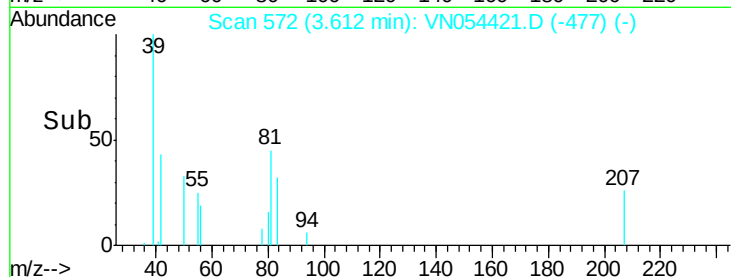
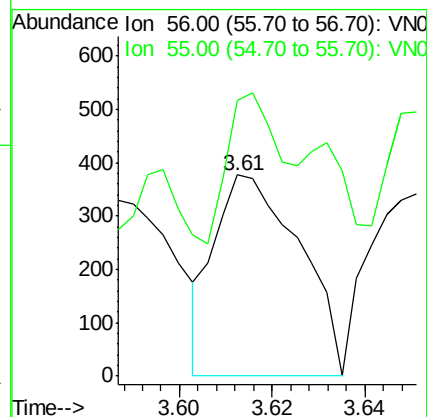
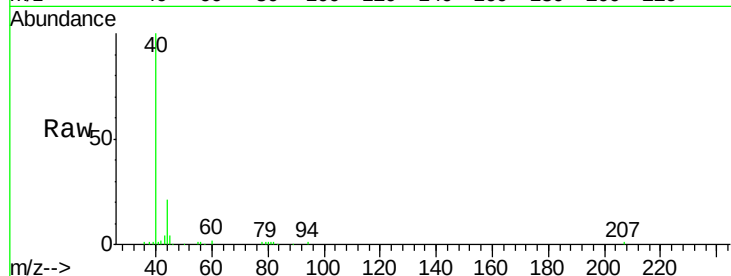
P-5-E.WALL-SOUTH

Tot Ion: 56 Resp: 481

Ion Ratio Lower Upper

56 100

55 48.2 56.7 85.1#



#16

Acetone

Concen: 0.247 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN054421.D

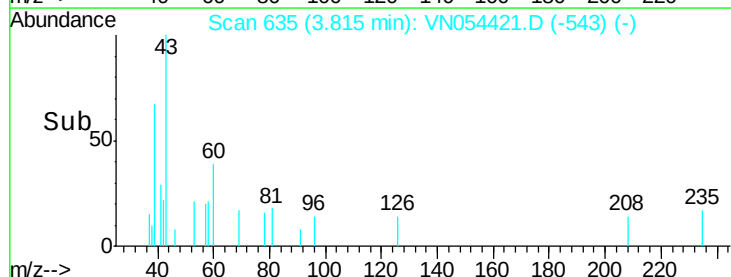
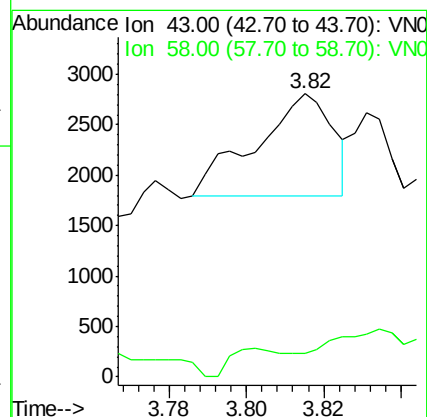
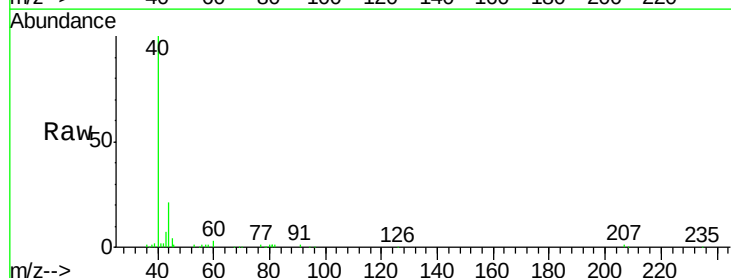
Acq: 19 Mar 2019 4:35

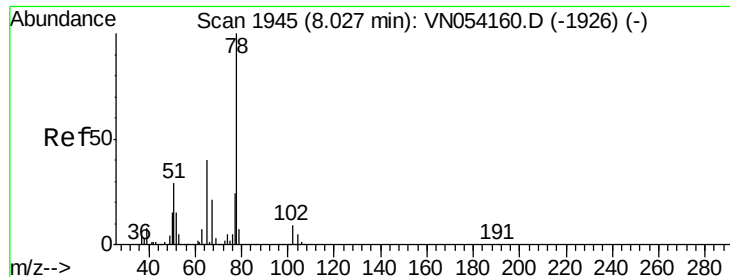
Tgt Ion: 43 Resp: 1399

Ion Ratio Lower Upper

43 100

58 8.6 29.9 44.9#

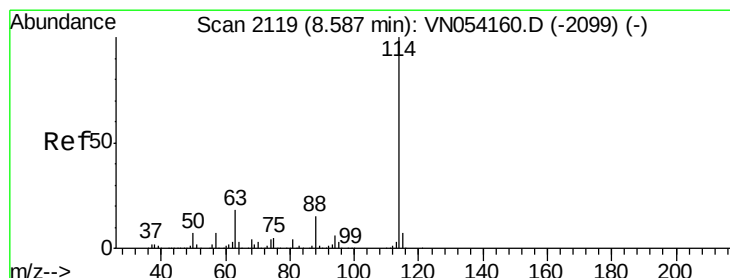
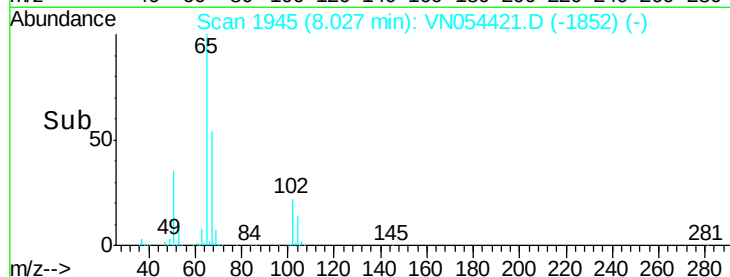
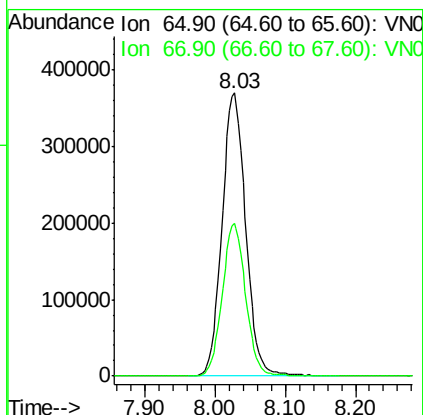
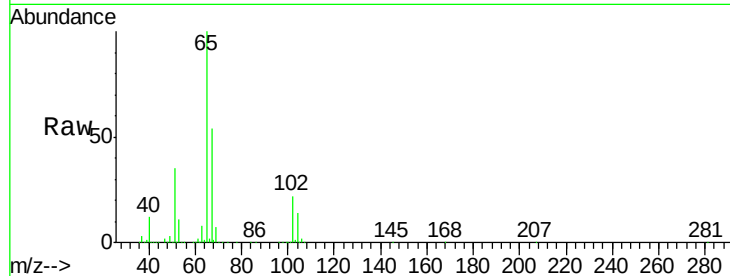




#33
 1,2-Dichloroethane-d4
 Concen: 44.047 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

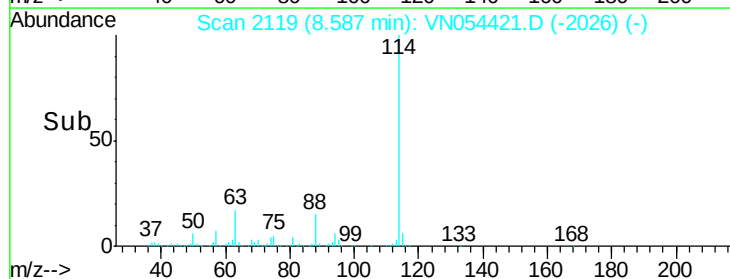
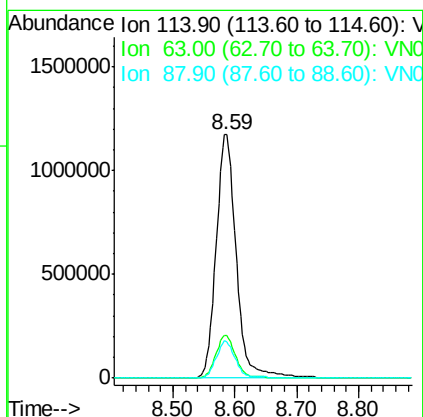
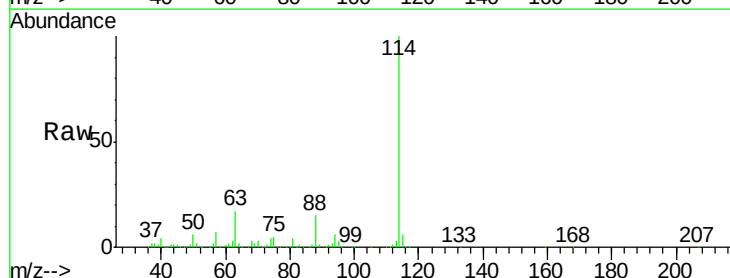
Instrument :
 MSVOA_N
 ClientSampleId :
 P-5-E.WALL-SOUTH

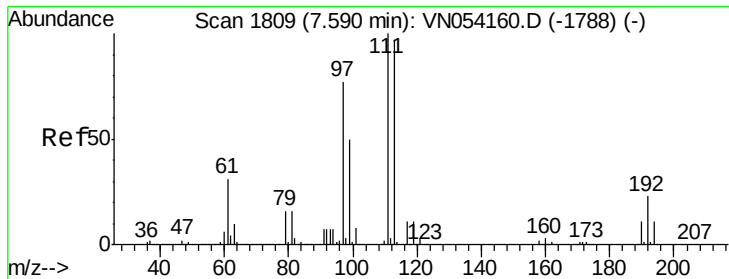
Tot Ion: 65 Resp: 869760
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

Tgt Ion: 114 Resp: 2653108
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.425 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

P-5-E.WALL-SOUTH

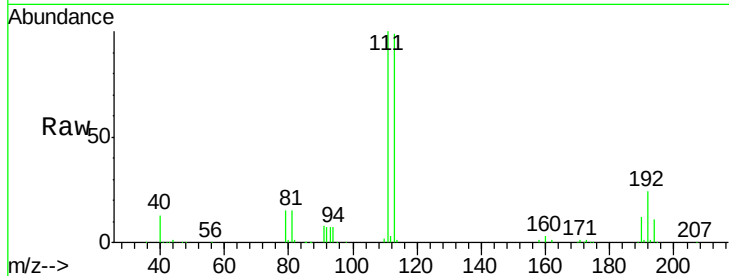
Tot Ion:113 Resp: 794406

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

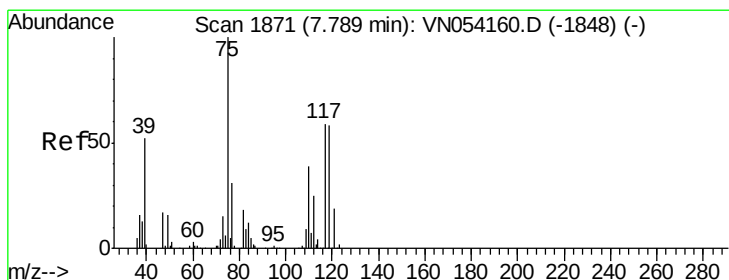
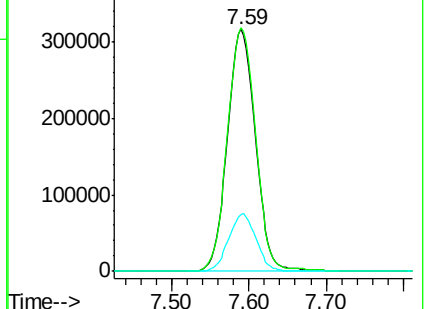
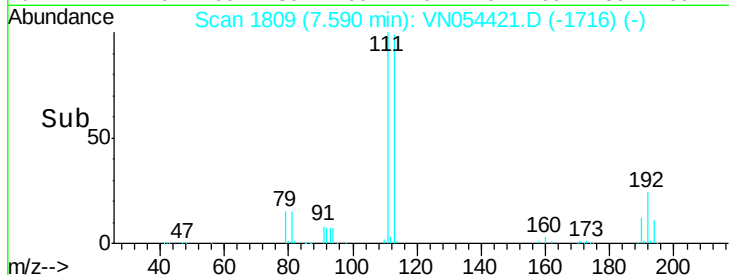
192 23.3 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.333 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

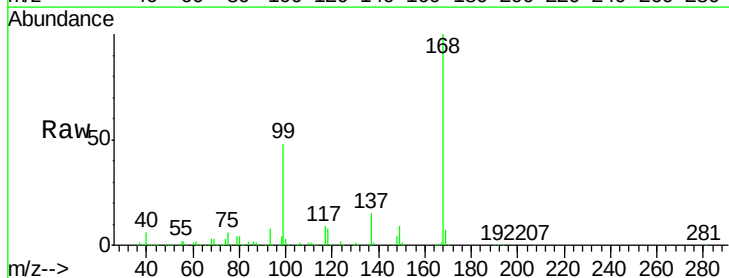
Tgt Ion: 75 Resp: 105874

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.5#

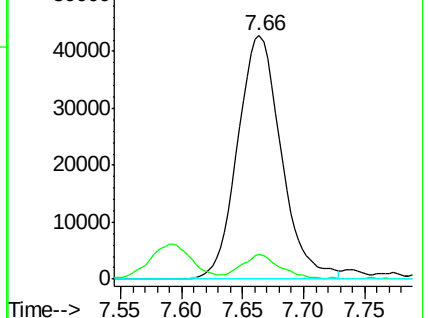
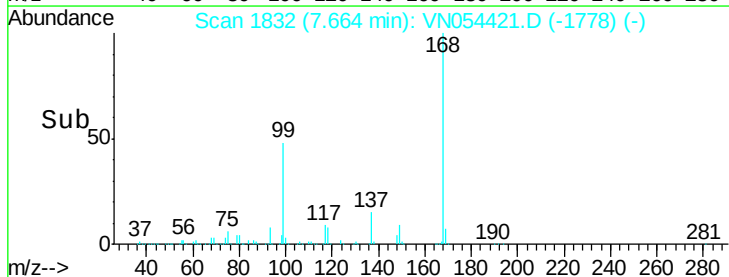
77 0.1 25.0 37.4#

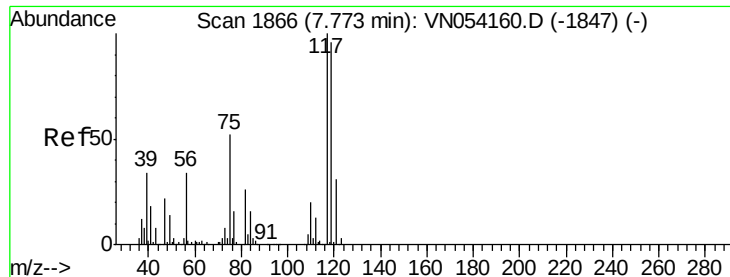


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.795 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

P-5-E.WALL-SOUTH

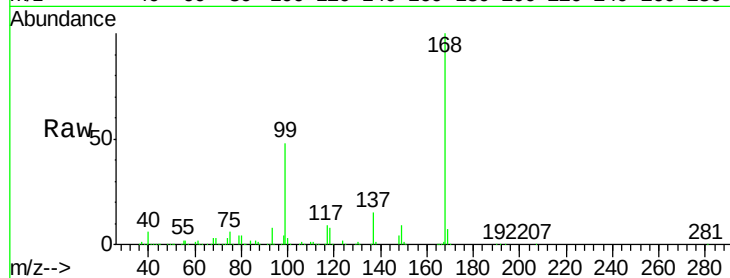
Tot Ion:117 Resp: 148487

Ion Ratio Lower Upper

117 100

119 4.1 76.3 114.5#

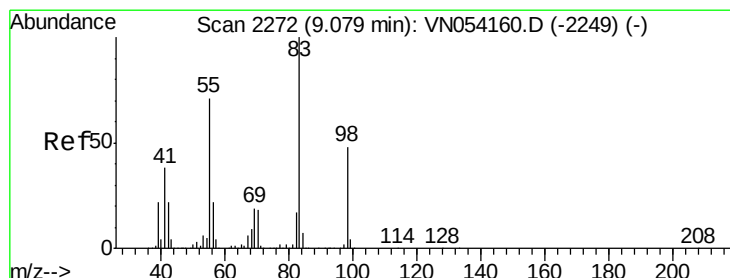
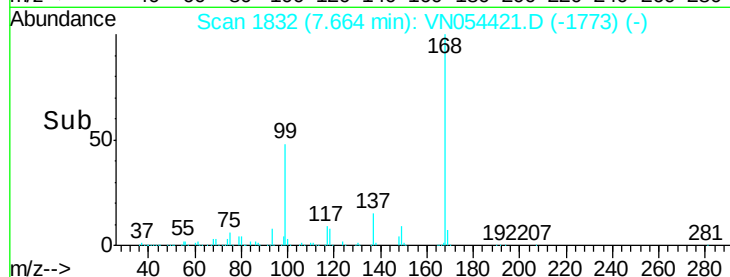
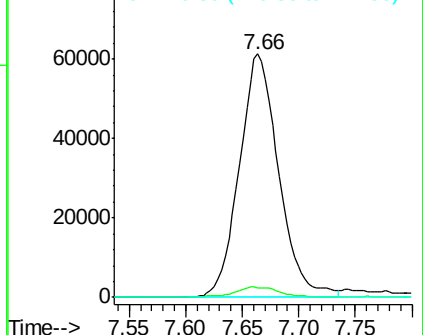
121 0.0 24.6 36.8#



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: 1.279 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

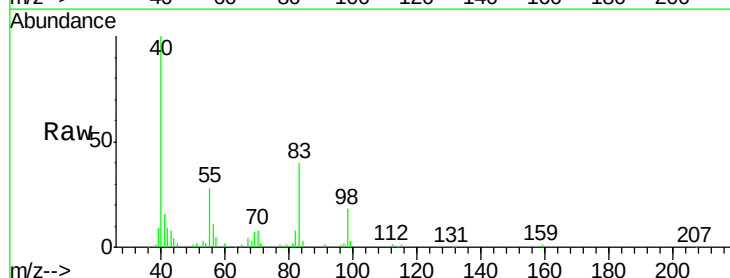
Tgt Ion: 83 Resp: 38434

Ion Ratio Lower Upper

83 100

55 67.8 56.6 84.8

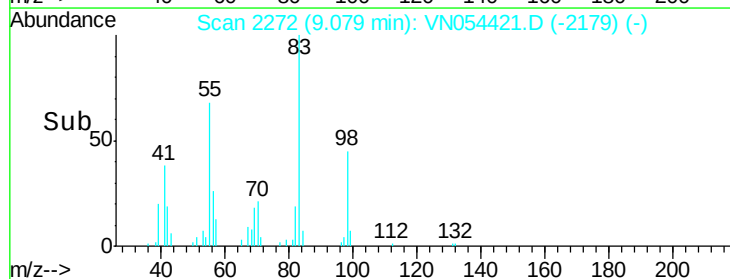
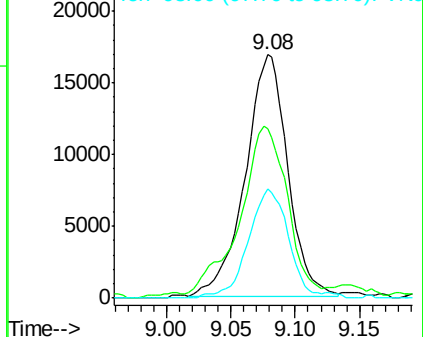
98 45.1 38.4 57.6

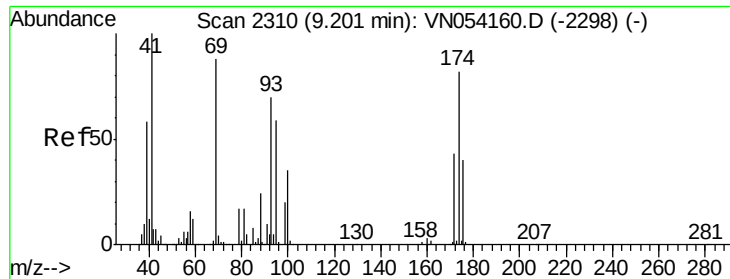


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

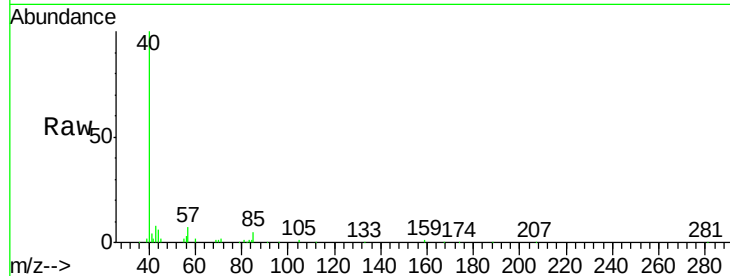




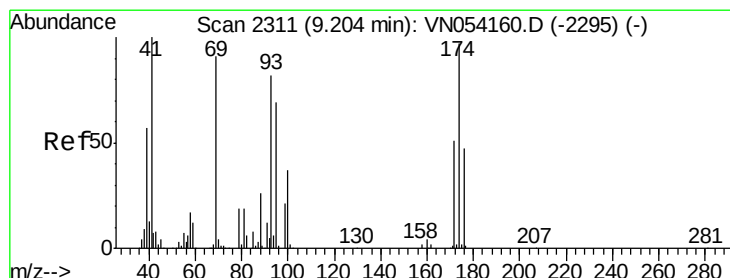
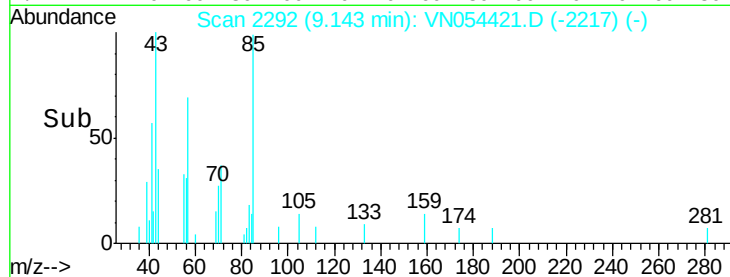
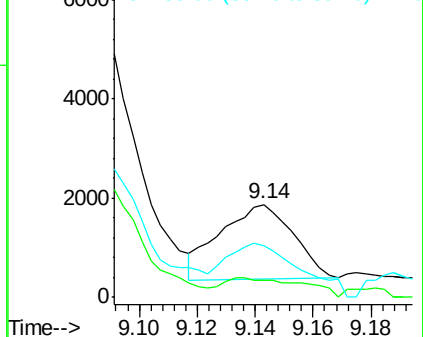
#48
Methvl methacrylate
Concen: 0.208 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.06 min
Lab File: VN054421.D
Acq: 19 Mar 2019 4:35

Instrument :
MSVOA_N
ClientSampleId :
P-5-E.WALL-SOUTH

Tot Ion: 41 Resp: 2607
Ion Ratio Lower Upper
41 100
69 28.9 72.6 108.8#
39 74.5 47.5 71.3#

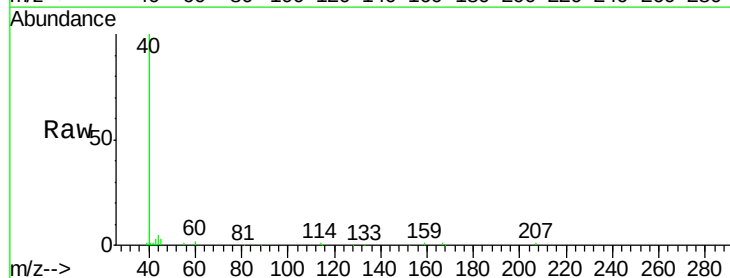


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

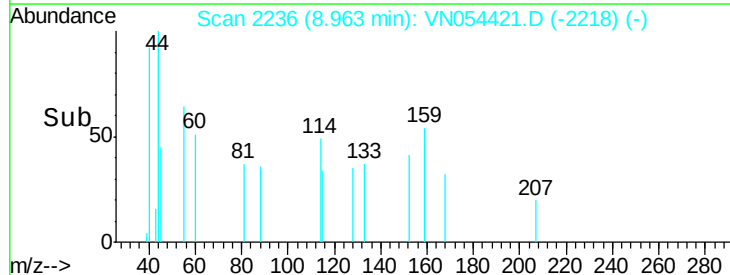
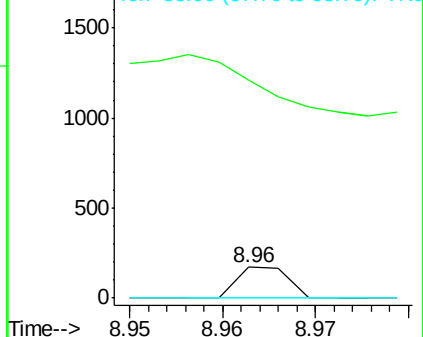


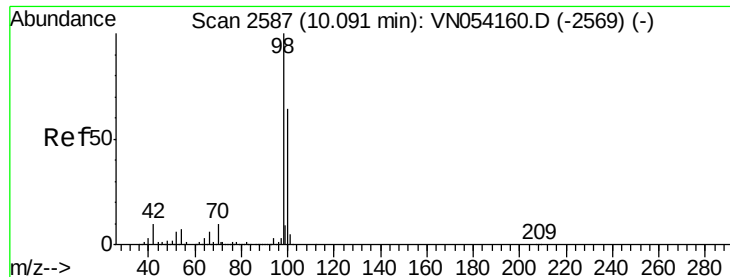
#49
1,4-Dioxane
Concen: 0.367 ug/l
RT: 8.96 min Scan# 2236
Delta R.T. -0.24 min
Lab File: VN054421.D
Acq: 19 Mar 2019 4:35

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 1120.0 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: 48.725 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

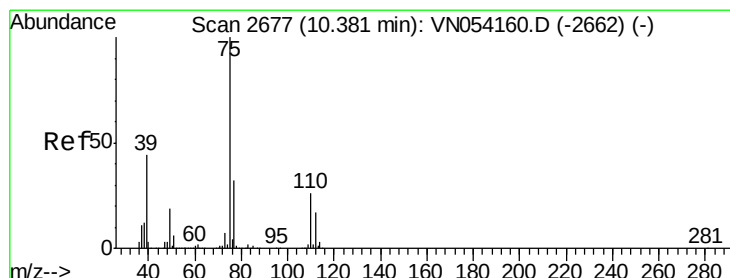
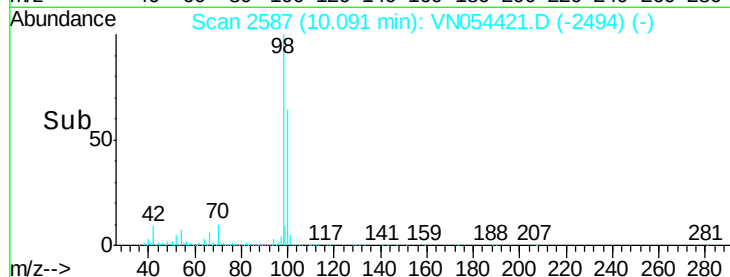
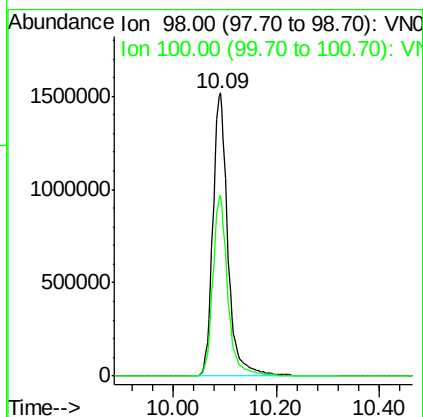
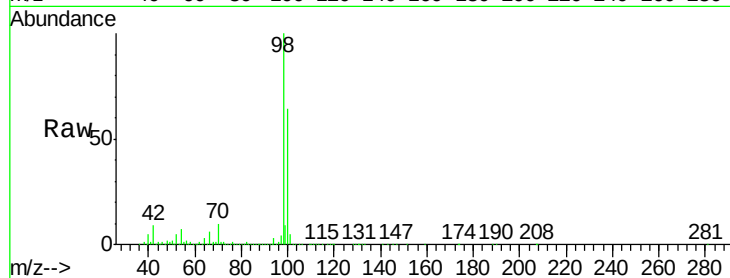
P-5-E.WALL-SOUTH

Tot Ion: 98 Resp: 3079167

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN054421.D

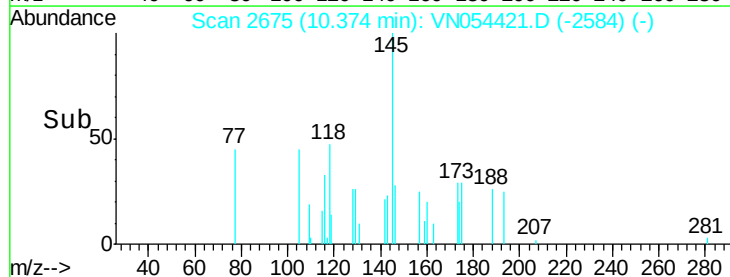
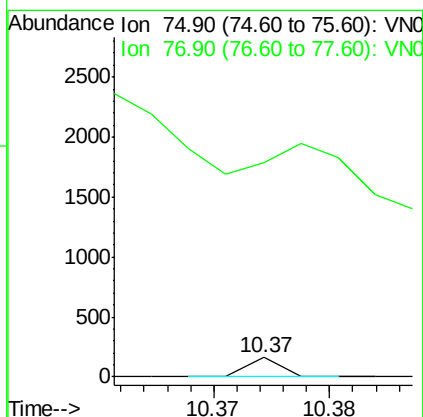
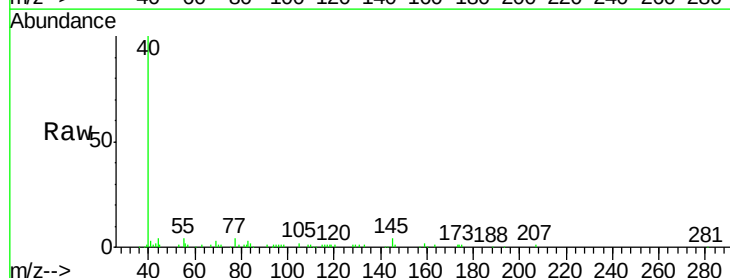
Acq: 19 Mar 2019 4:35

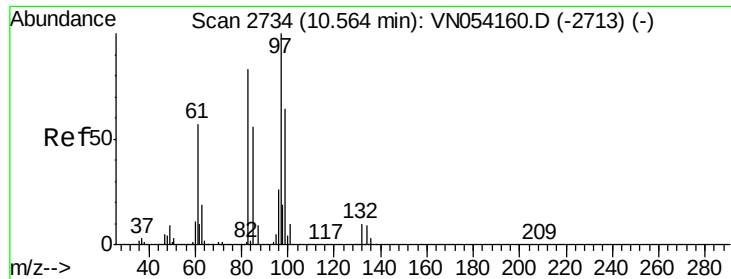
Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

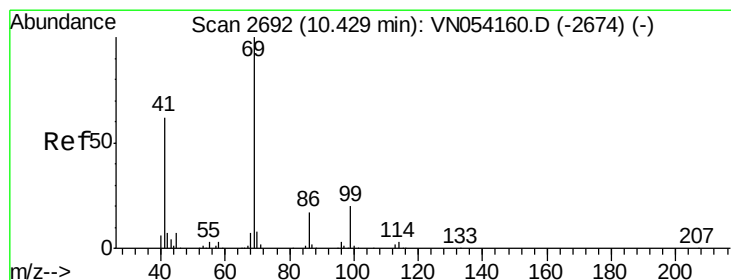
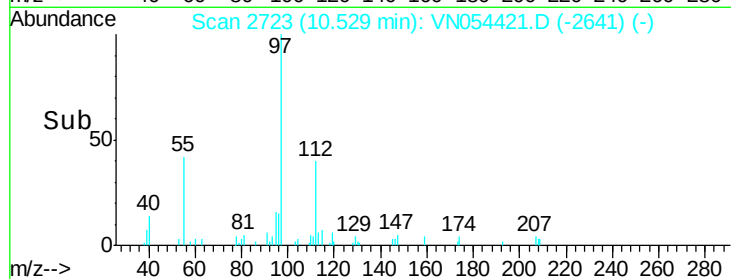
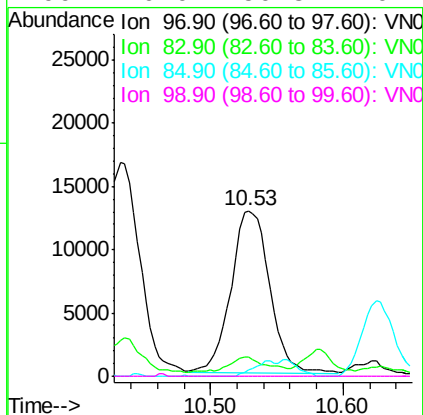
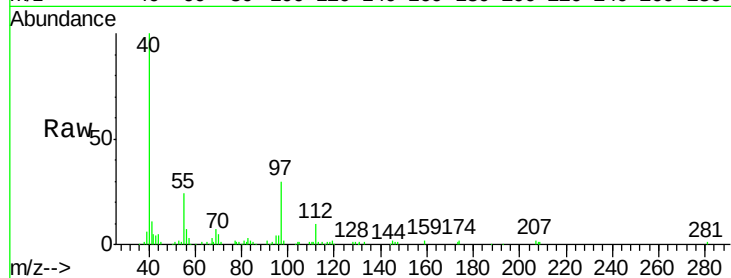




#55
 1,1,2-Trichloroethane
 Concen: 1.602 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.04 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

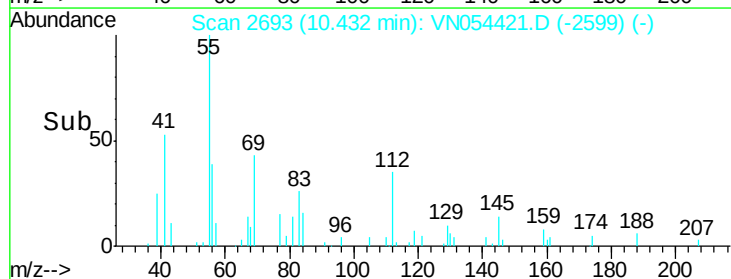
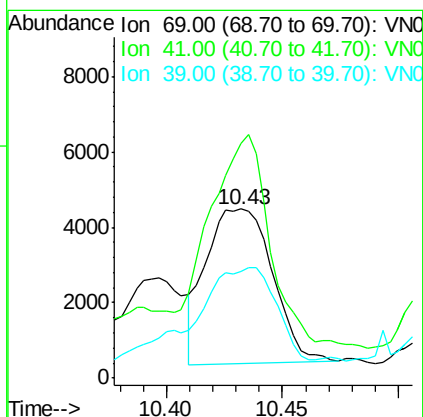
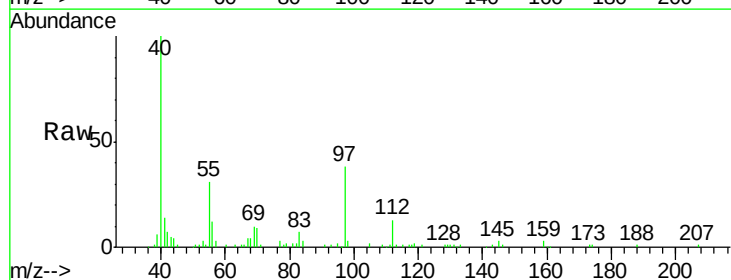
Instrument :
 MSVOA_N
 ClientSampleId :
 P-5-E.WALL-SOUTH

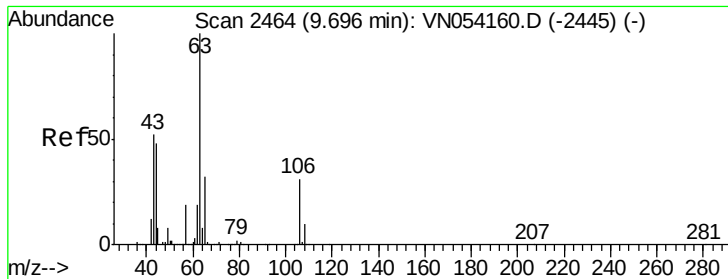
Tot Ion	Ratio	Lower	Upper
97	100		
83	9.2	66.6	100.0#
85	3.7	44.4	66.6#
99	0.0	50.8	76.2#



#56
 Ethyl methacrylate
 Concen: 0.422 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	131.9	49.4	74.2#
39	73.8	28.3	42.5#





#58

2-Chloroethyl Vinyl ether

Concen: 16.862 ug/l

RT: 9.71 min Scan# 2468

Delta R.T. 0.01 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

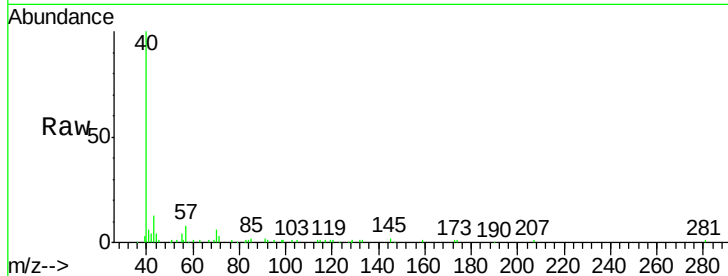
P-5-E.WALL-SOUTH

Tot Ion: 63 Resp: 304

Ion Ratio Lower Upper

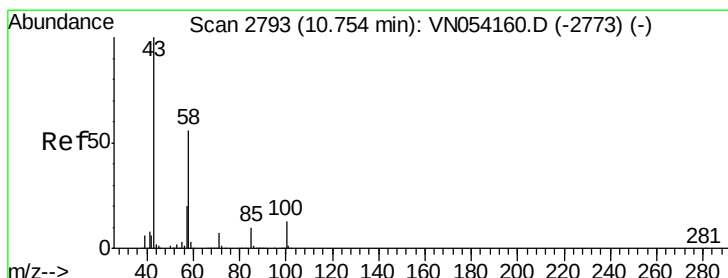
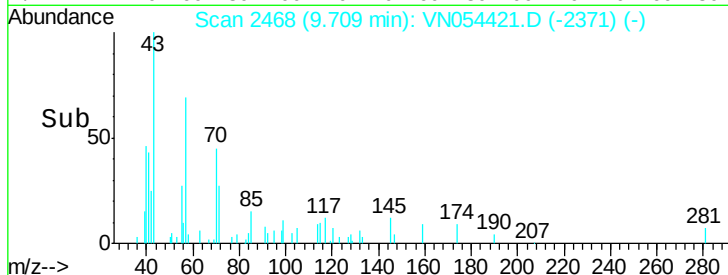
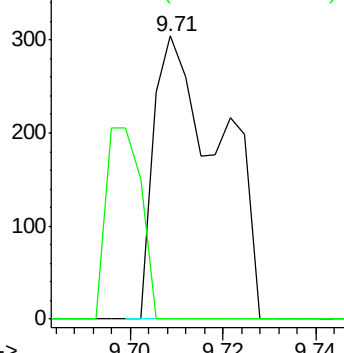
63 100

106 35.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 4.004 ug/l

RT: 10.72 min Scan# 2781

Delta R.T. -0.04 min

Lab File: VN054421.D

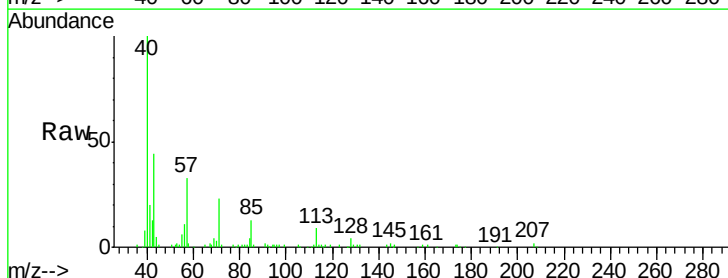
Acq: 19 Mar 2019 4:35

Tgt Ion: 43 Resp: 34744

Ion Ratio Lower Upper

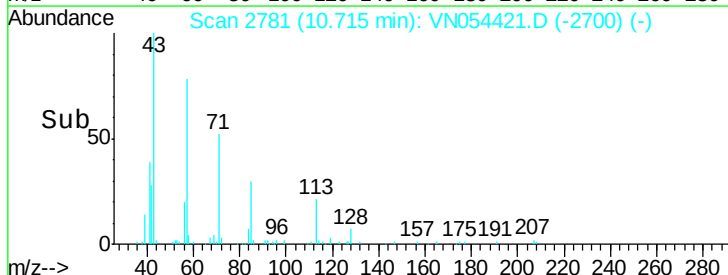
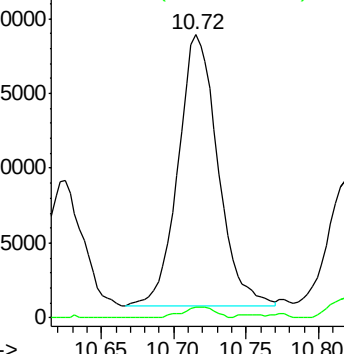
43 100

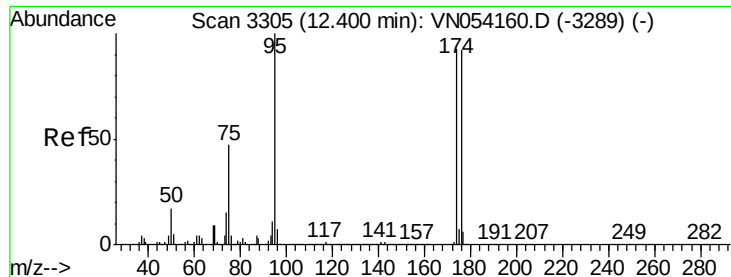
58 3.3 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 44.113 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

P-5-E.WALL-SOUTH

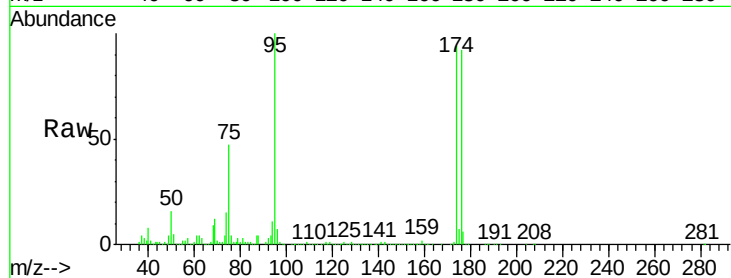
Tot Ion: 95 Resp: 975432

Ion Ratio Lower Upper

95 100

174 95.2 0.0 191.0

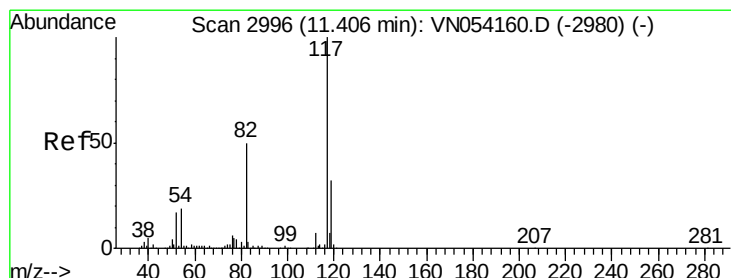
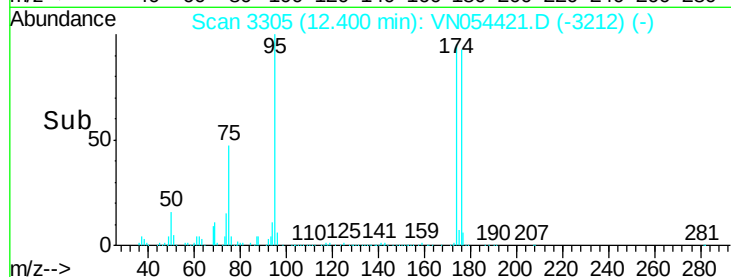
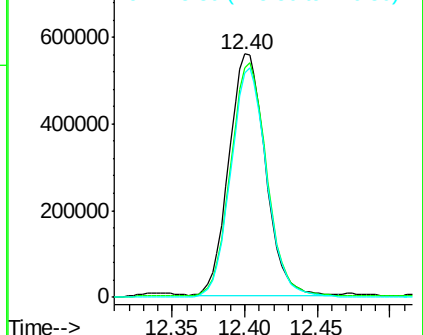
176 93.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054421.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054421.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054421.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

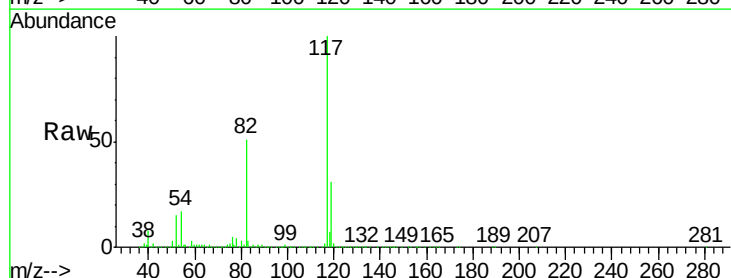
Tgt Ion: 117 Resp: 2248866

Ion Ratio Lower Upper

117 100

82 50.7 40.0 60.0

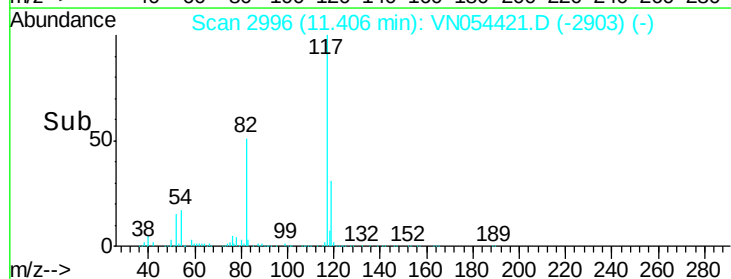
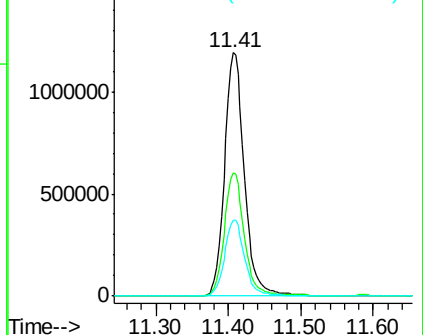
119 31.3 25.8 38.6

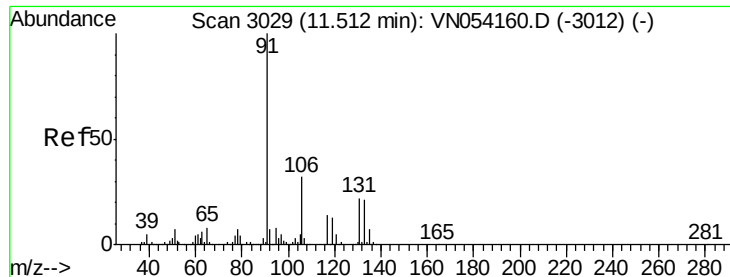


Abundance Ion 116.90 (116.60 to 117.60): VN054421.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054421.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054421.D (-2903) (-)





#67

Ethyl Benzene

Concen: 0.381 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

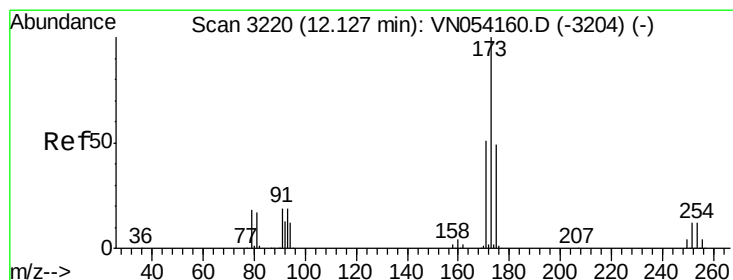
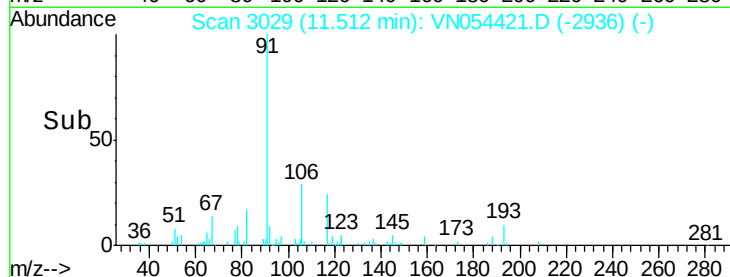
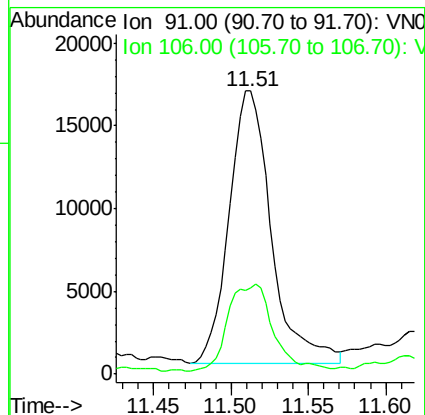
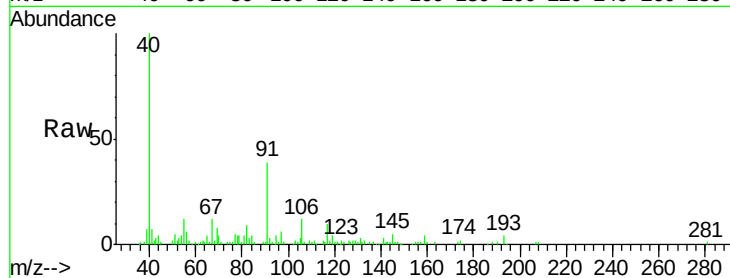
P-5-E.WALL-SOUTH

Tot Ion: 91 Resp: 31223

Ion Ratio Lower Upper

91 100

106 30.3 25.5 38.3



#71

Bromoform

Concen: 2.369 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. -0.01 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

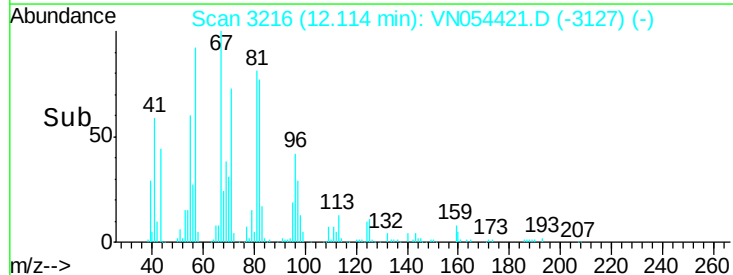
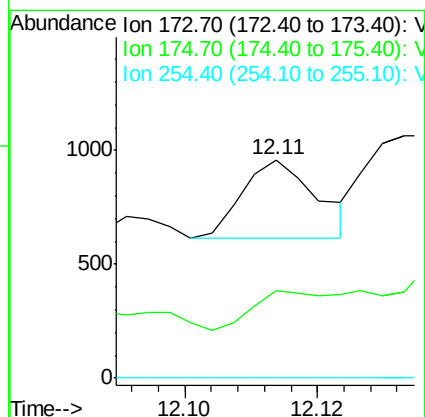
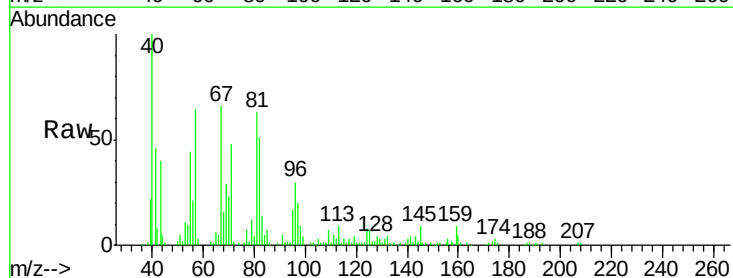
Tgt Ion: 173 Resp: 269

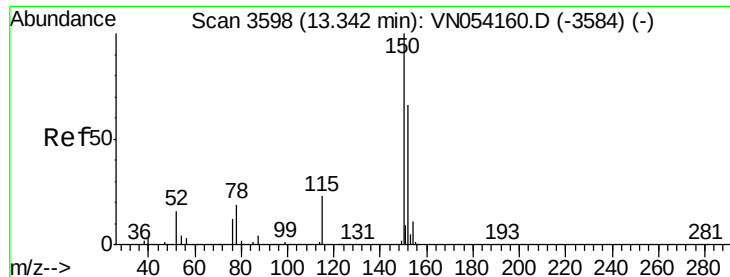
Ion Ratio Lower Upper

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: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

P-5-E.WALL-SOUTH

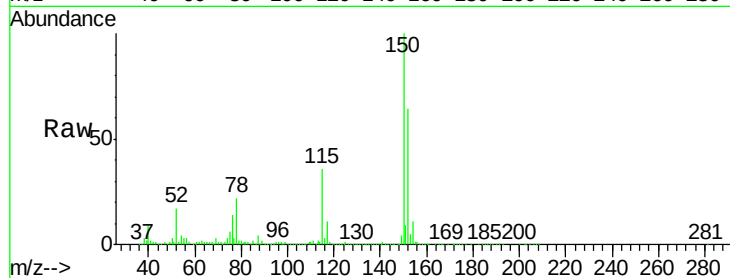
Tot Ion:152 Resp: 996965

Ion Ratio Lower Upper

152 100

115 55.9 27.2 81.6

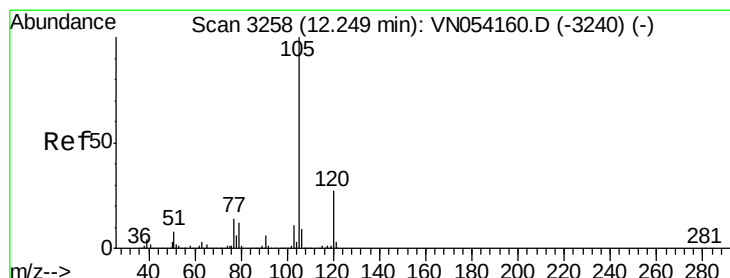
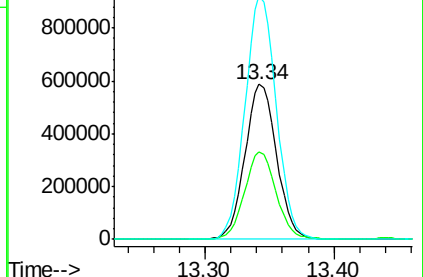
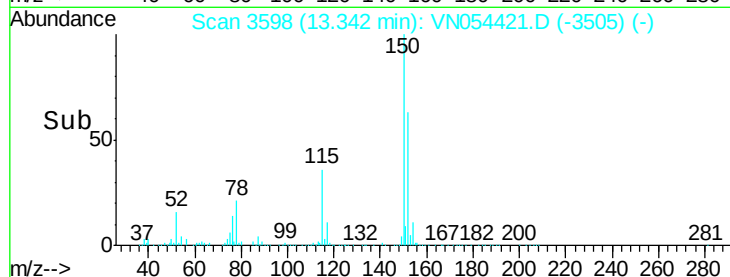
150 155.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.279 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054421.D

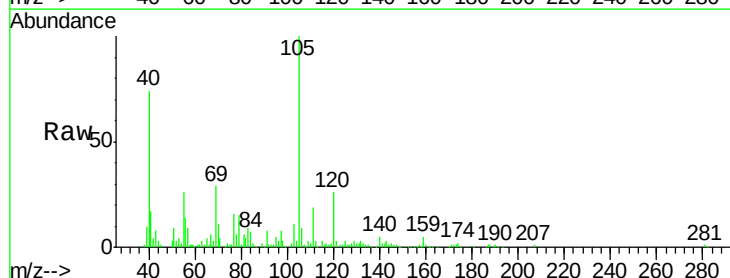
Acq: 19 Mar 2019 4:35

Tgt Ion:105 Resp: 101979

Ion Ratio Lower Upper

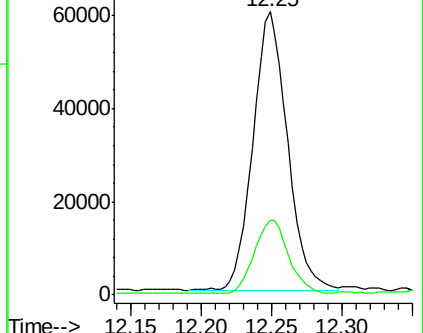
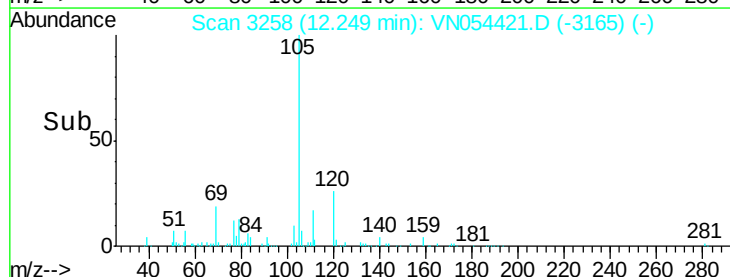
105 100

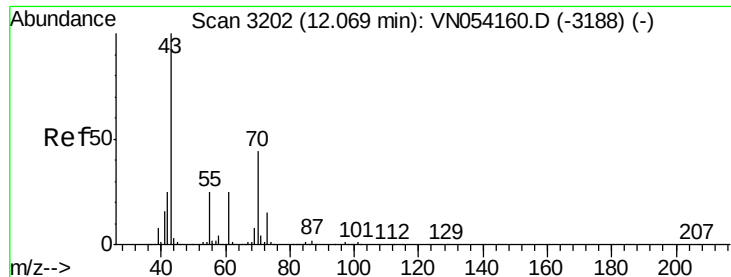
120 26.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 3.817 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

P-5-E.WALL-SOUTH

Tot Ion: 43 Resp: 67581

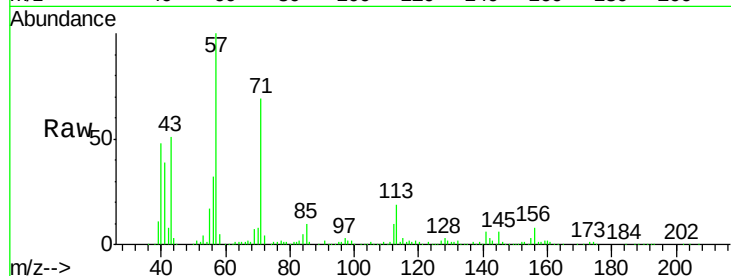
Ion Ratio Lower Upper

43 100

70 10.0 35.4 53.0#

55 11.1 19.8 29.6#

61 0.2 19.8 29.6#

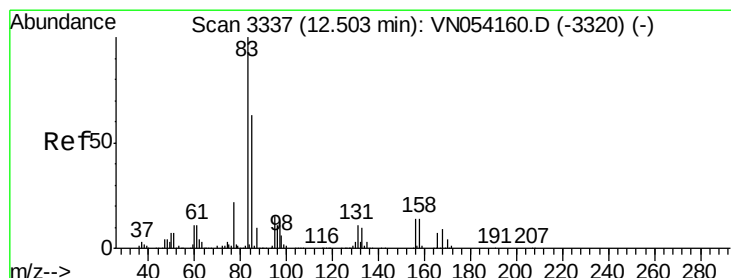
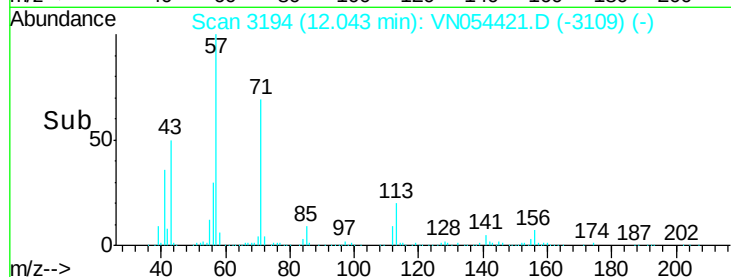
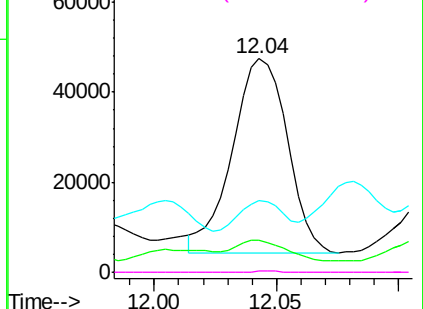


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.265 ug/l

RT: 12.45 min Scan# 3322

Delta R.T. -0.05 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

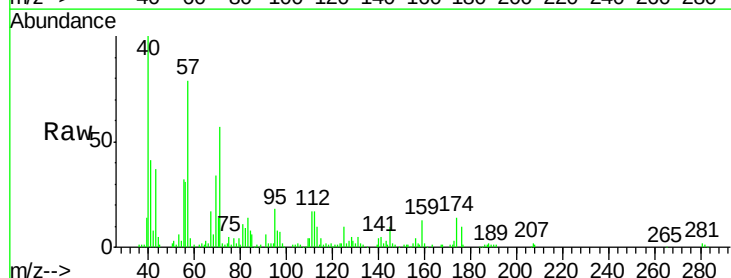
Tgt Ion: 83 Resp: 4505

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

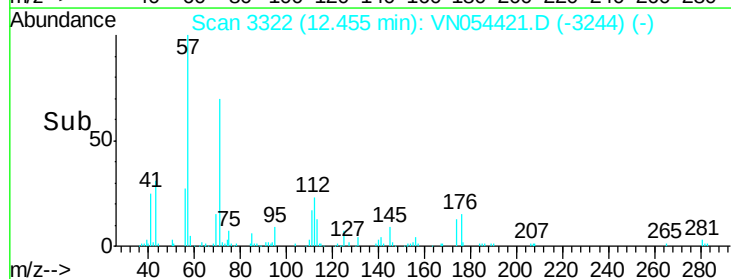
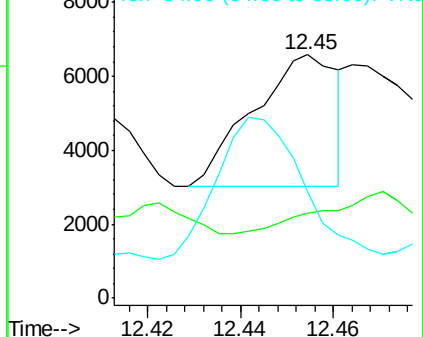
85 111.8 32.2 96.6#

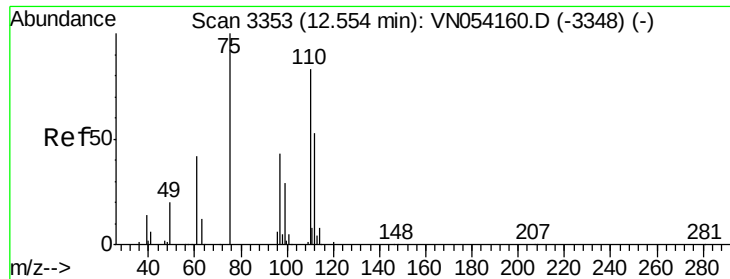


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

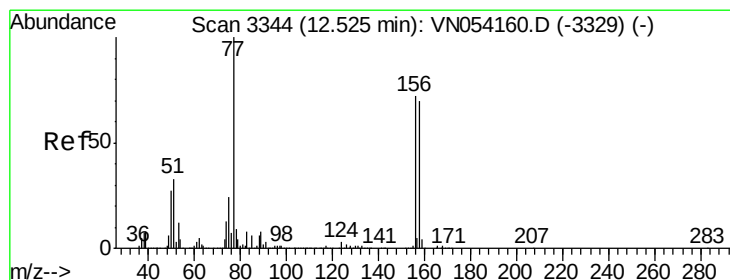
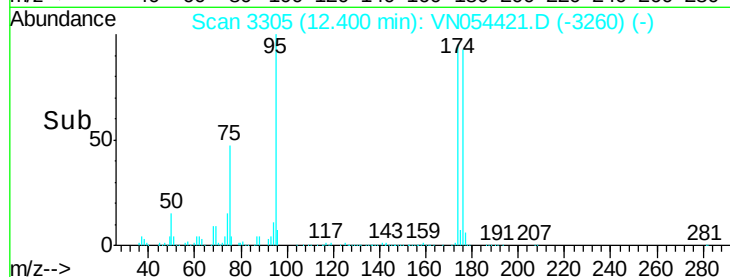
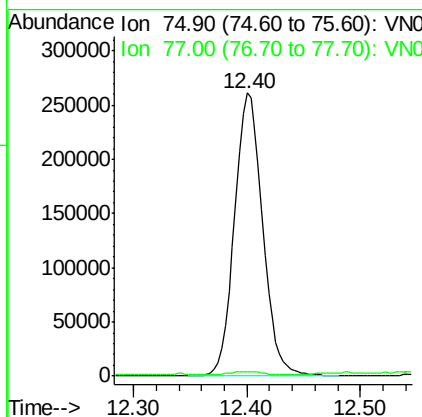
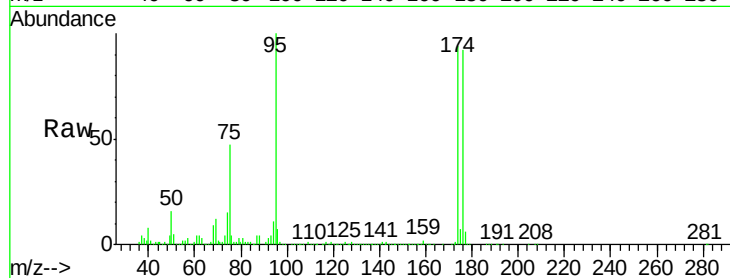




#76
 1,2,3-Trichloropropane
 Concen: 30.973 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

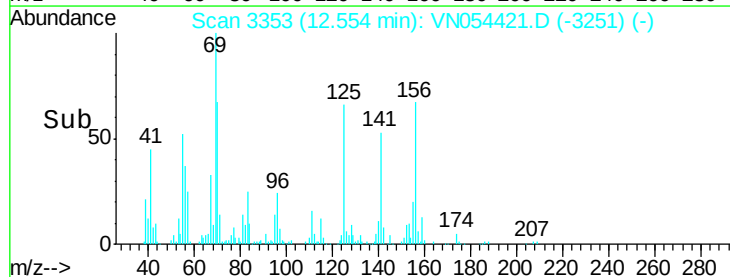
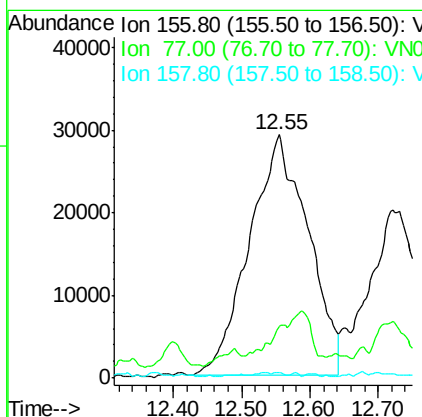
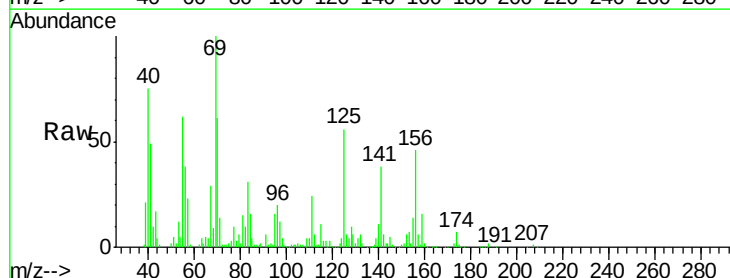
Instrument :
 MSVOA_N
 ClientSampleId :
 P-5-E.WALL-SOUTH

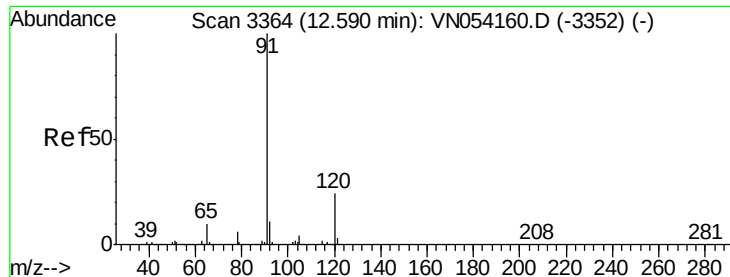
Tot Ion: 75 Resp: 454084
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#77
 Bromobenzene
 Concen: 8.222 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.03 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

Tgt Ion: 156 Resp: 173538
 Ion Ratio Lower Upper
 156 100
 77 4.5 81.5 244.4#
 158 0.2 49.0 147.2#





#78

n-propylbenzene

Concen: 2.509 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

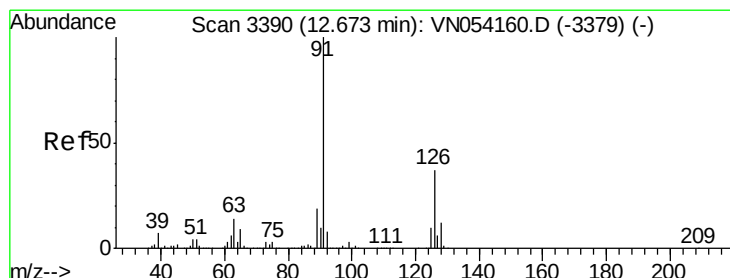
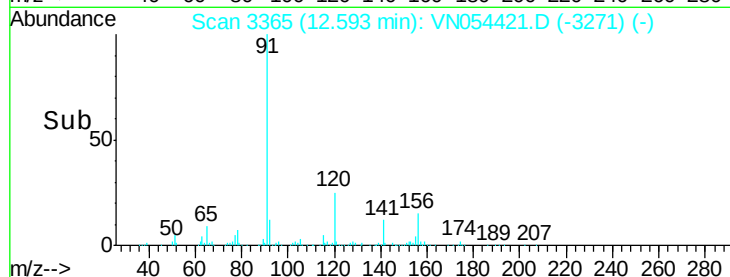
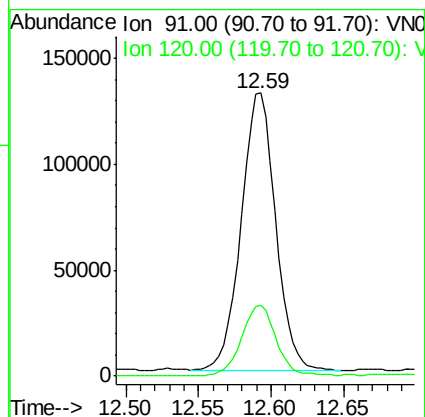
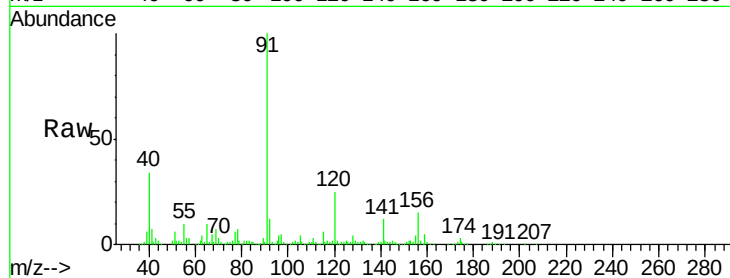
P-5-E.WALL-SOUTH

Tot Ion: 91 Resp: 217158

Ion Ratio Lower Upper

91 100

120 25.3 12.3 36.9



#79

2-Chlorotoluene

Concen: 4.173 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN054421.D

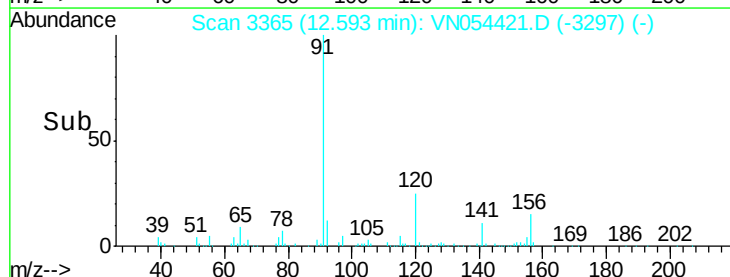
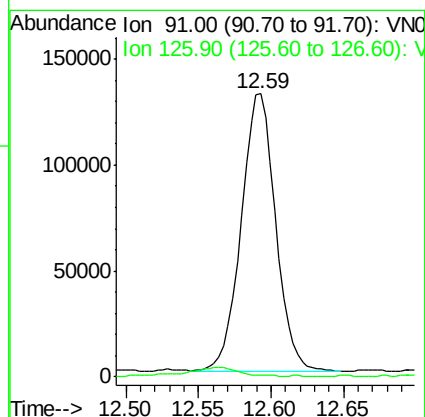
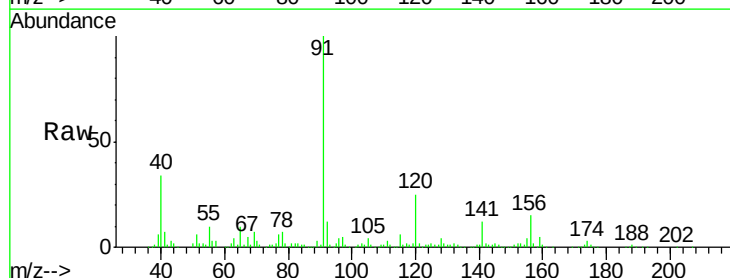
Acq: 19 Mar 2019 4:35

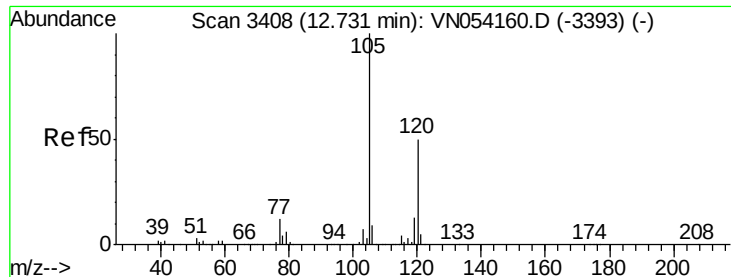
Tgt Ion: 91 Resp: 217158

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#

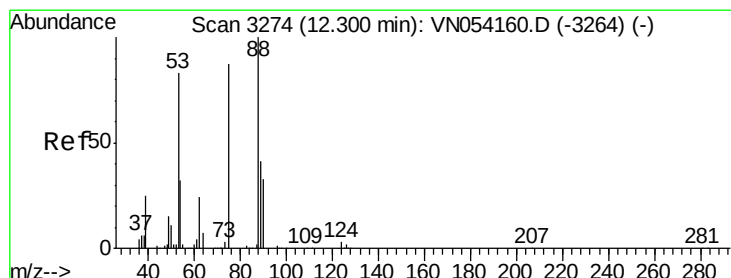
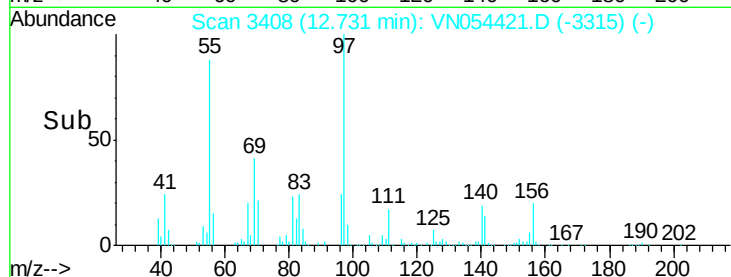
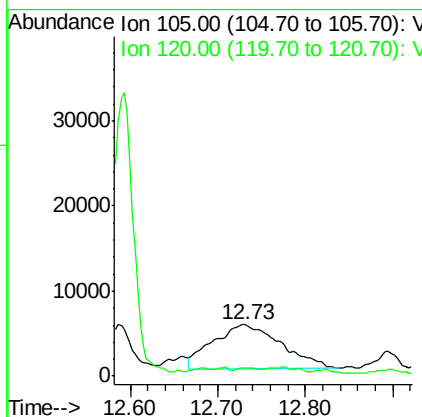
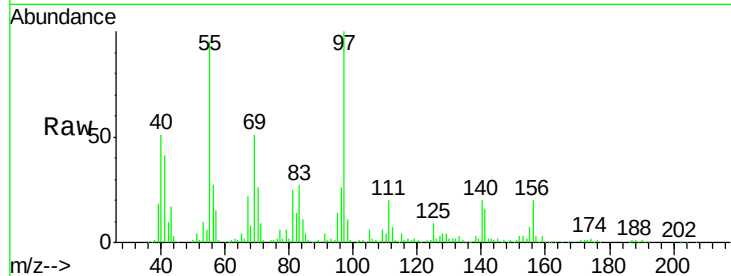




#80
 1,3,5-Trimethylbenzene
 Concen: 0.426 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

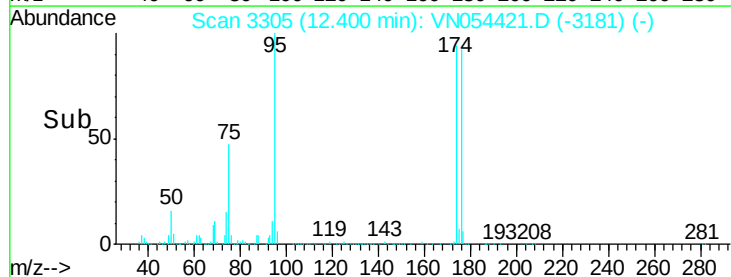
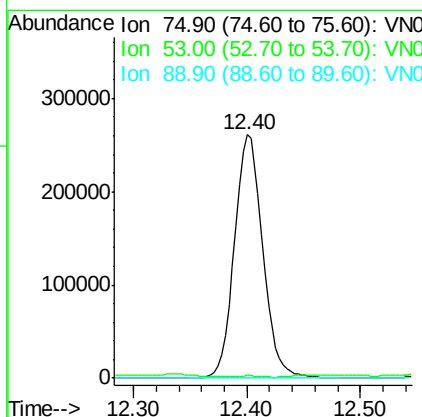
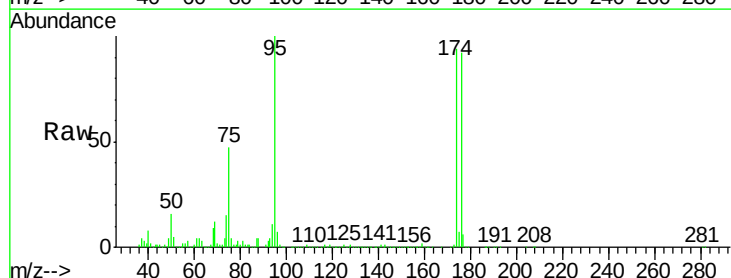
Instrument :
 MSVOA_N
 ClientSampleId :
 P-5-E.WALL-SOUTH

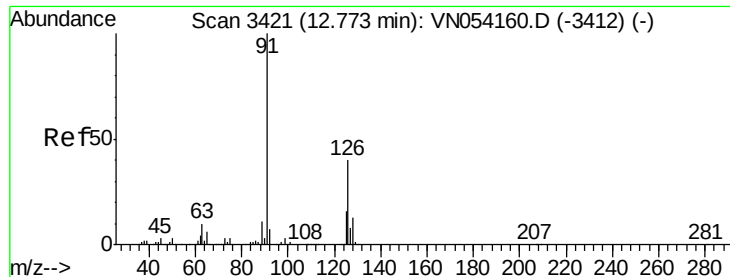
Tot Ion:105 Resp: 28265
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.0 75.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.878 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054421.D
 Acq: 19 Mar 2019 4:35

Tgt Ion: 75 Resp: 454084
 Ion Ratio Lower Upper
 75 100
 53 0.4 76.2 114.2#
 89 0.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 4.179 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

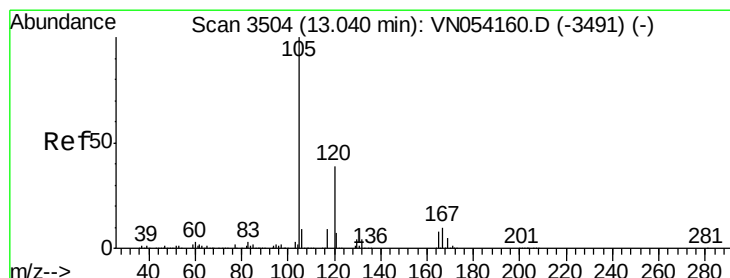
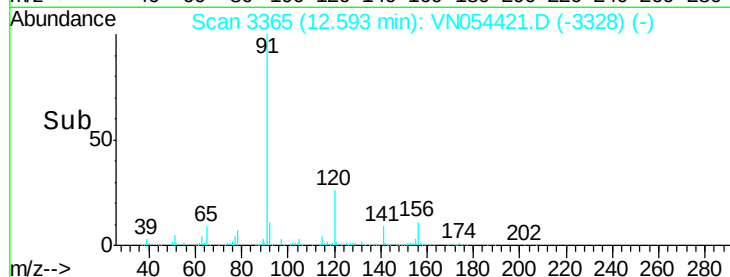
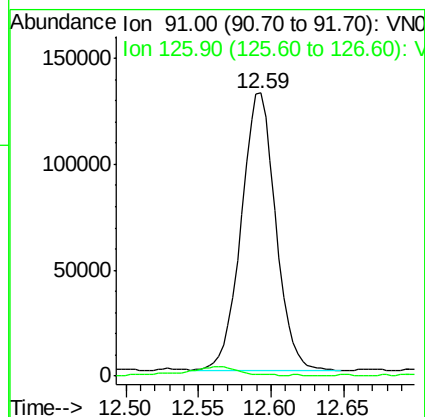
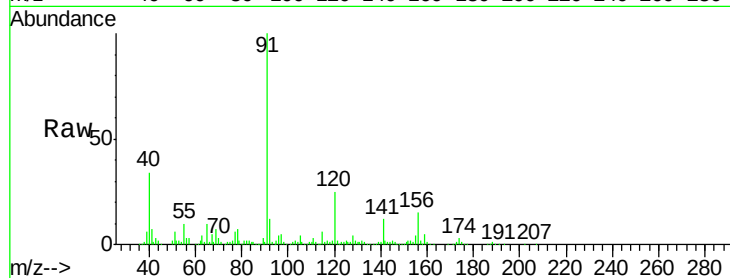
P-5-E.WALL-SOUTH

Tot Ion: 91 Resp: 217158

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#84

1,2,4-Trimethylbenzene

Concen: 4.007 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.13 min

Lab File: VN054421.D

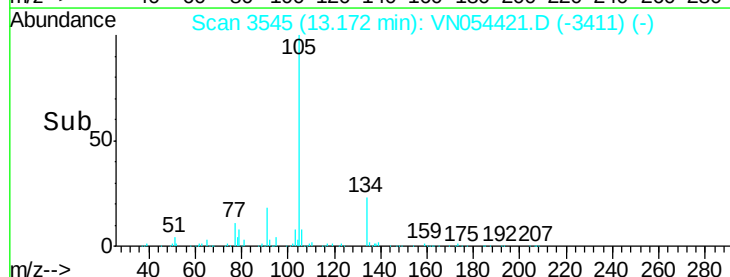
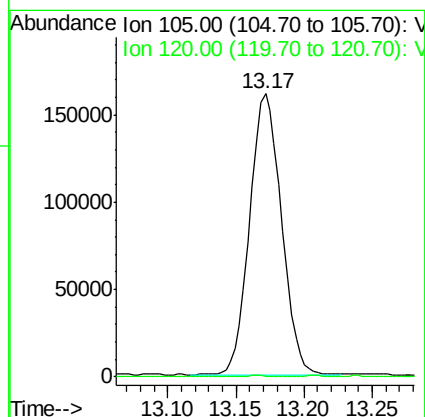
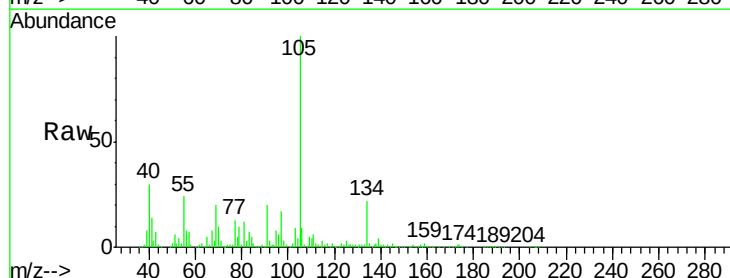
Acq: 19 Mar 2019 4:35

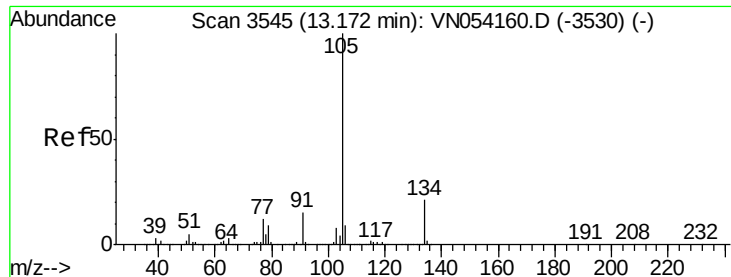
Tgt Ion: 105 Resp: 260779

Ion Ratio Lower Upper

105 100

120 0.6 23.4 70.3#





#85

sec-Butylbenzene

Concen: 3.293 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

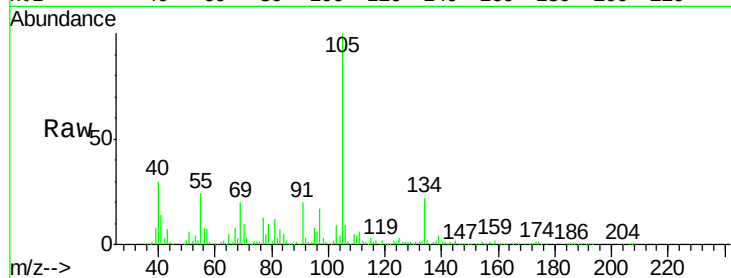
P-5-E.WALL-SOUTH

Tot Ion:105 Resp: 260779

Ion Ratio Lower Upper

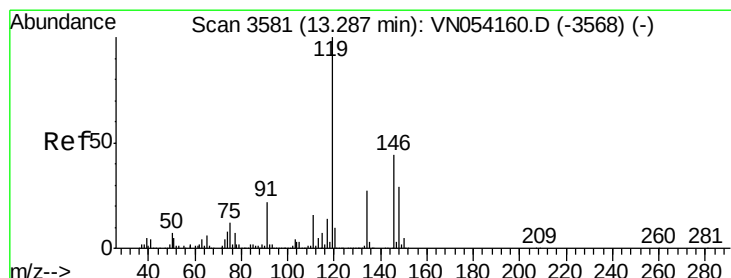
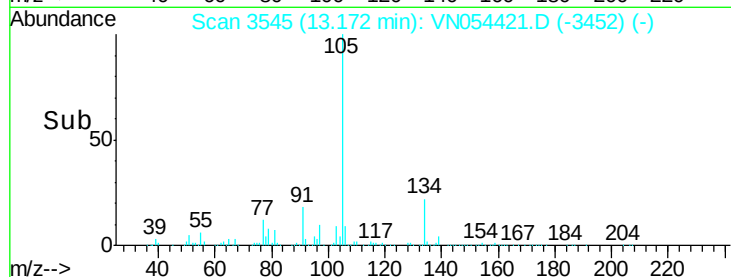
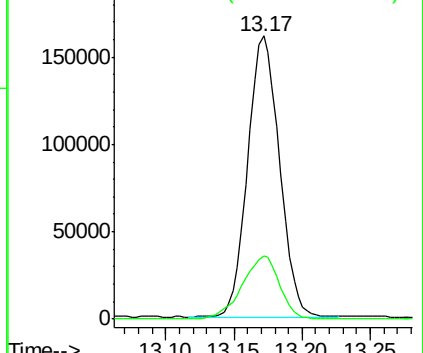
105 100

134 26.4 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: 0.708 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

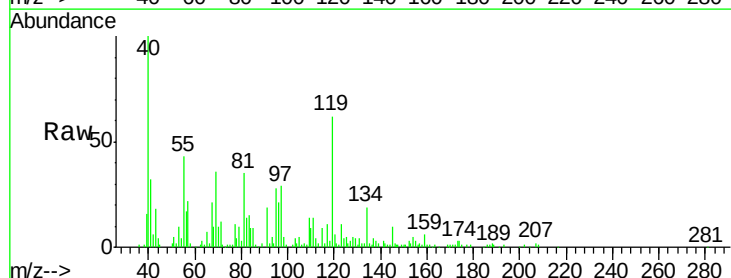
Tgt Ion:119 Resp: 49175

Ion Ratio Lower Upper

119 100

134 27.9 13.6 40.8

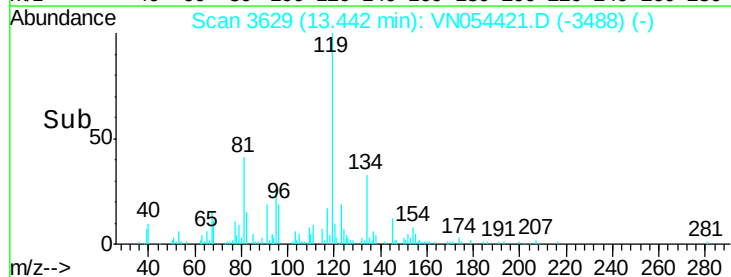
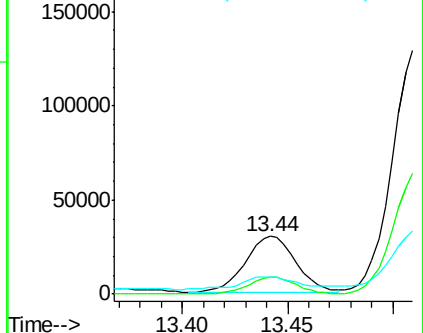
91 26.6 11.1 33.3

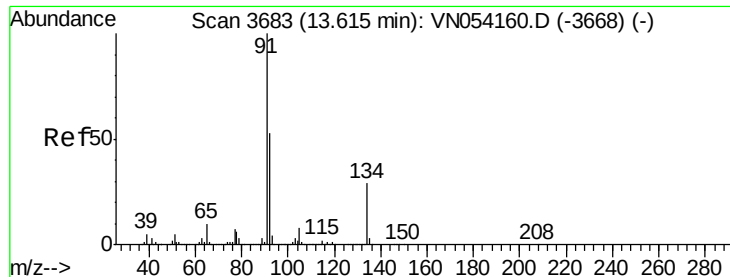


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 3.846 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

P-5-E.WALL-SOUTH

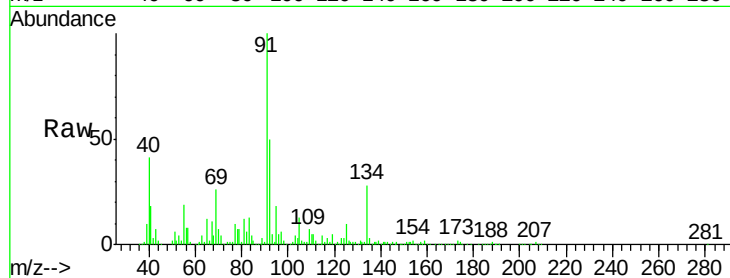
Tot Ion: 91 Resp: 203044

Ion Ratio Lower Upper

91 100

92 47.5 26.2 78.6

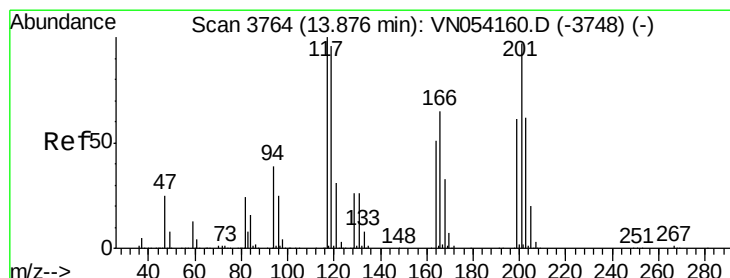
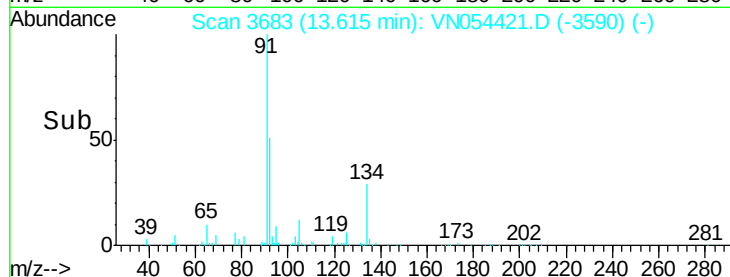
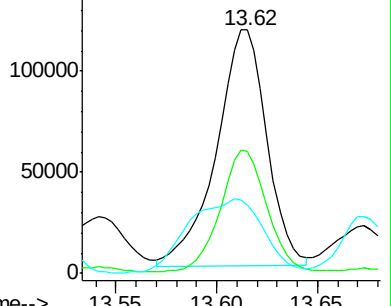
134 47.0 14.3 42.9#



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

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

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



#90

Hexachloroethane

Concen: 7.258 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054421.D

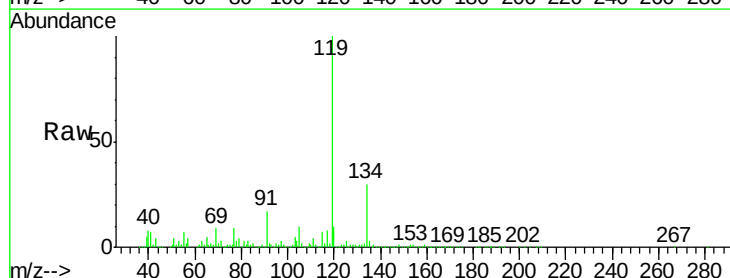
Acq: 19 Mar 2019 4:35

Tgt Ion: 117 Resp: 83497

Ion Ratio Lower Upper

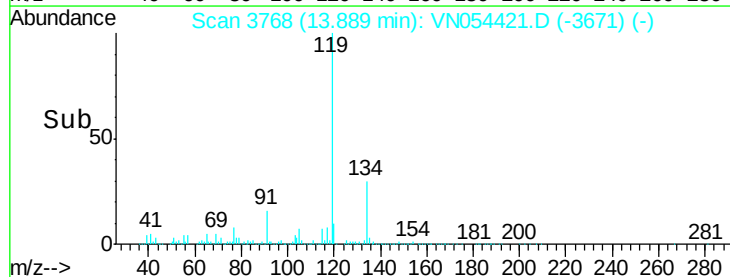
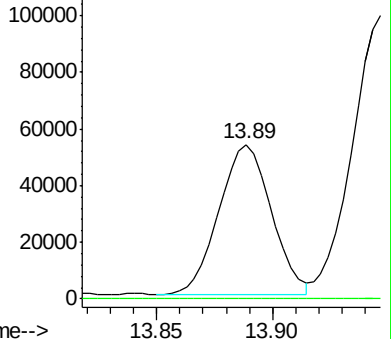
117 100

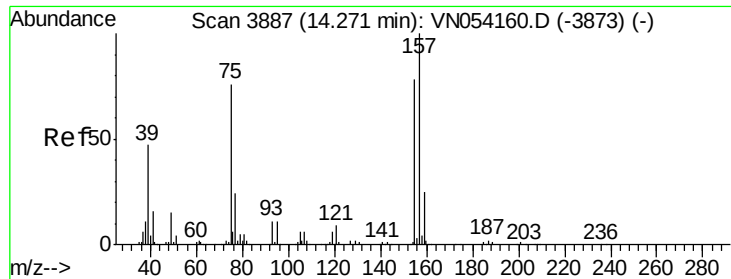
201 0.1 48.1 144.4#



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: 1.212 ug/l

RT: 14.29 min Scan# 3894

Delta R.T. 0.02 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

Instrument :

MSVOA_N

ClientSampleId :

P-5-E.WALL-SOUTH

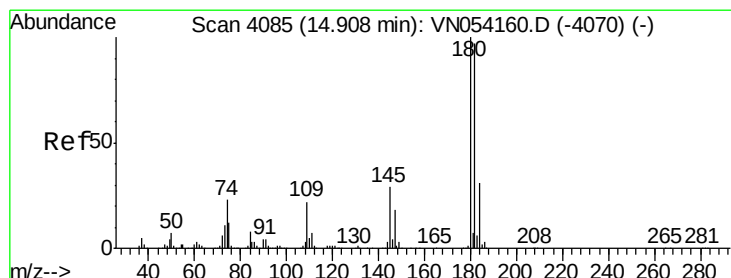
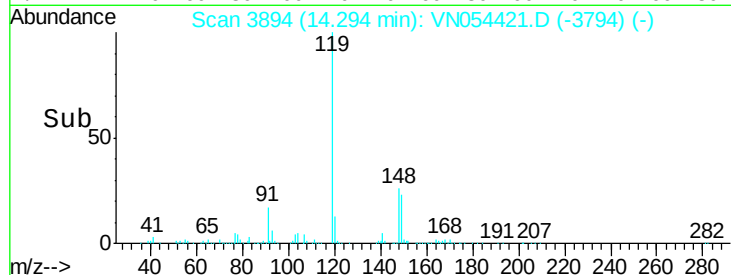
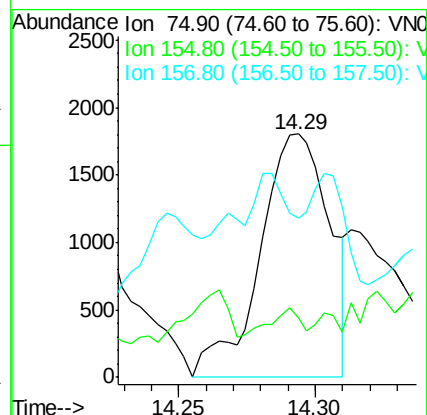
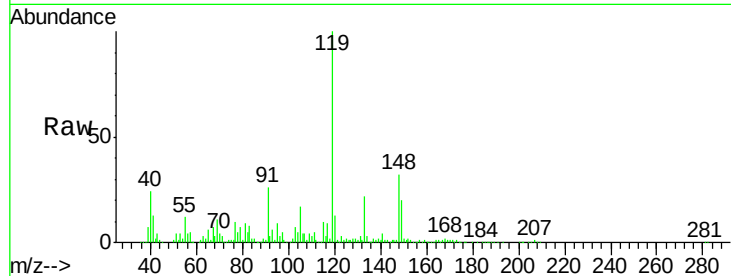
Tot Ion: 75 Resp: 3188

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 25.6 63.1 189.3#



#93

1,2,4-Trichlorobenzene

Concen: 2.581 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN054421.D

Acq: 19 Mar 2019 4:35

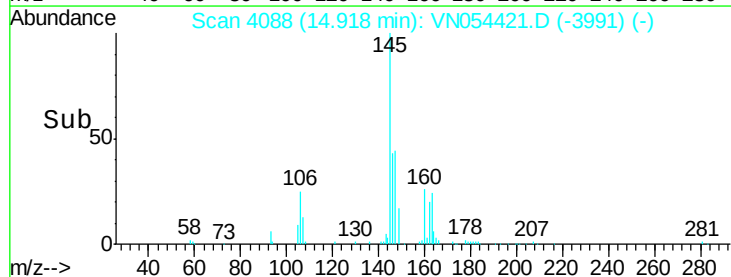
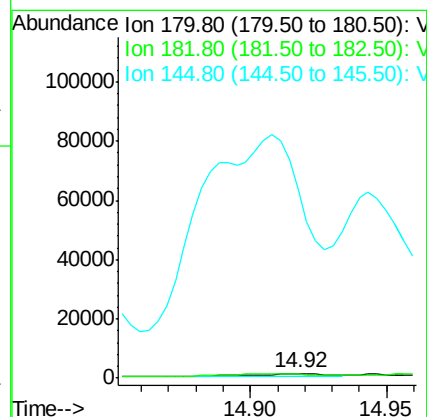
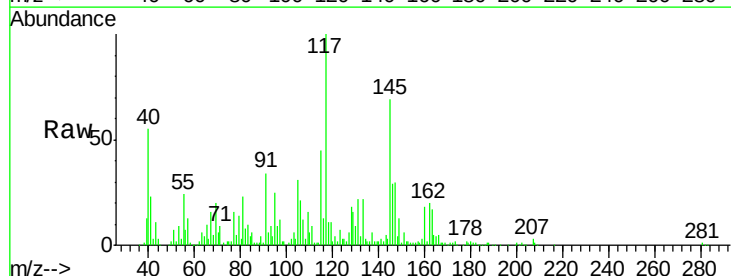
Tgt Ion: 180 Resp: 1423

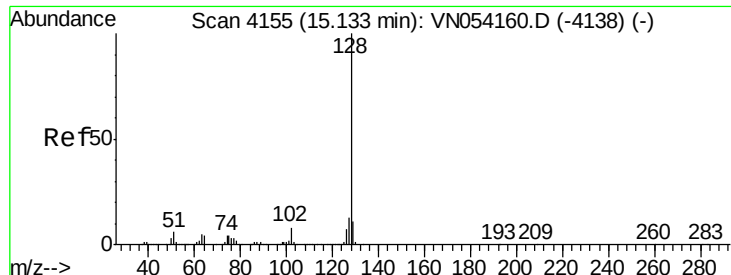
Ion Ratio Lower Upper

180 100

182 162.5 48.0 144.2#

145 14689.5 14.2 42.8#





#95
Naphthalene
Concen: 3.826 ug/l
RT: 15.10 min Scan# 4145
Delta R.T. -0.03 min
Lab File: VN054421.D
Acq: 19 Mar 2019 4:35

Instrument :
MSVOA_N
ClientSampleId :
P-5-E.WALL-SOUTH

Tot Ion:128 Resp: 16724
Ion Ratio Lower Upper
128 100
127 49.7 10.1 15.1#
129 84.7 8.7 13.1#

