

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054419.D
 Acq On : 19 Mar 2019 3:40
 Operator : JC/SP
 Sample : K1970-08 10X
 Misc : 6.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:20:36 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	1817263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2606143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2255514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1015127	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	862844	44.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.42%	
35) Dibromofluoromethane	7.59	113	785082	46.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.42%	
50) Toluene-d8	10.09	98	3033026	48.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	982472	45.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	780	1.525	ug/l #	45
13) Acrolein	3.62	56	291	0.232	ug/l #	14
16) Acetone	3.82	43	1826	0.330	ug/l #	47
20) Methylene Chloride	4.54	84	3640	0.201	ug/l	96
31) Cyclohexane	7.66	56	30342	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	104908	4.371	ug/l #	48
38) Carbon Tetrachloride	7.67	117	147098	5.844	ug/l #	15
39) Methylcyclohexane	9.08	83	28339	0.960	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	13433	1.049	ug/l #	1
53) t-1,3-Dichloropropene	10.35	75	30	1.987	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	17309	1.089	ug/l #	22
56) Ethyl methacrylate	10.43	69	6854	0.362	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.71	63	65	16.835	ug/l #	44
59) 2-Hexanone	10.89	43	2128	0.250	ug/l	77
67) Ethyl Benzene	11.51	91	95889	1.168	ug/l	97
68) m/p-Xylenes	11.63	106	19428	0.605	ug/l	93
71) Bromoform	12.11	173	744	2.402	ug/l #	28
73) Isopropylbenzene	12.25	105	98112	1.208	ug/l	99
74) N-amyl acetate	12.04	43	50704	2.813	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.46	83	5360	0.310	ug/l #	27
76) 1,2,3-Trichloropropane	12.40	75	459678	30.793	ug/l #	100
77) Bromobenzene	12.54	156	40830	1.900	ug/l #	1
78) n-propylbenzene	12.59	91	220113	2.498	ug/l	99
79) 2-Chlorotoluene	12.69	91	18681	0.353	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	47815	0.708	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.40	75	459678	105.265	ug/l #	11
82) 4-Chlorotoluene	12.69	91	18681	0.353	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.04	105	591849	8.930	ug/l	99
85) sec-Butylbenzene	13.17	105	224835	2.788	ug/l	90
86) p-Isopropyltoluene	13.29	119	104147	1.472	ug/l	98
89) n-Butylbenzene	13.61	91	186670	3.473	ug/l #	76
90) Hexachloroethane	13.89	117	55792	4.763	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.29	75	1445	0.540	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	3335	2.665	ug/l #	1

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

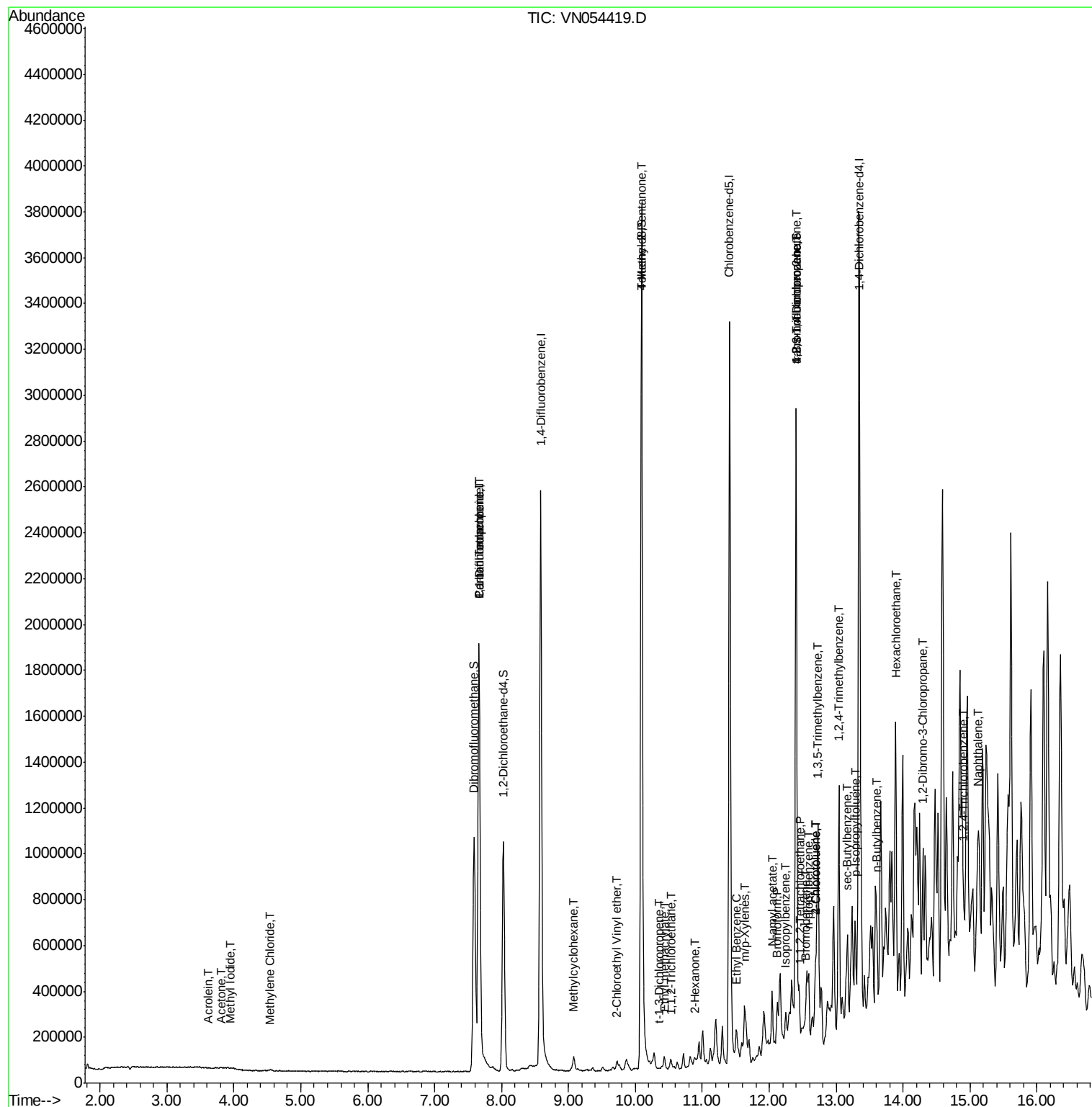
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	381216	11.438	ug/l	97

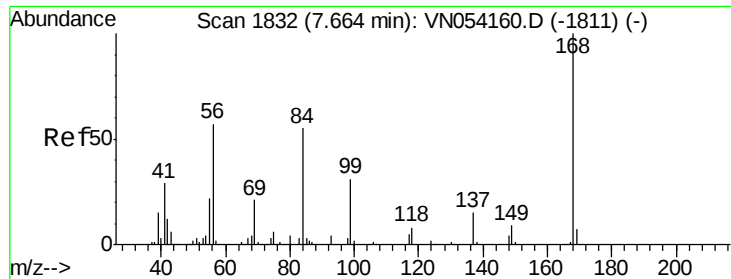
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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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: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

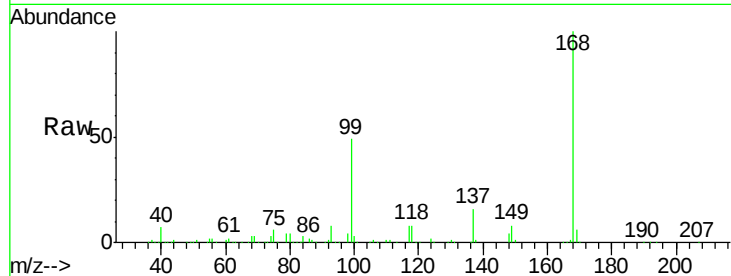
ClientSampled :

Tot Ion:168 Resp: 1817263

Ion Ratio Lower Upper

168 100

99 48.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

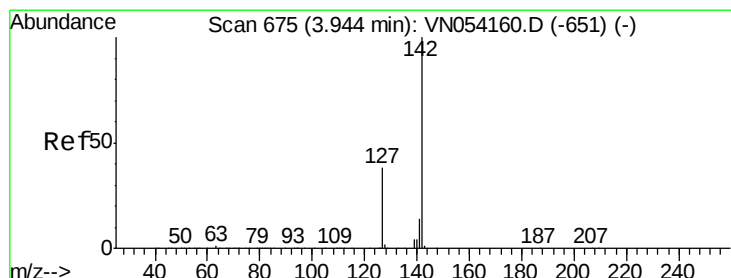
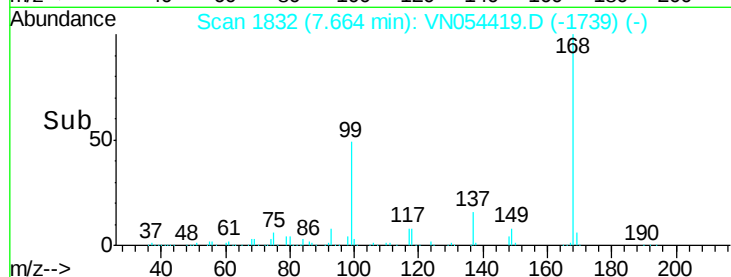
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.525 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

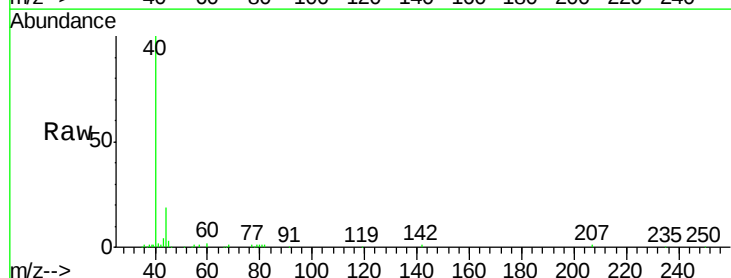
Tgt Ion:142 Resp: 780

Ion Ratio Lower Upper

142 100

127 0.0 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

3.94

400

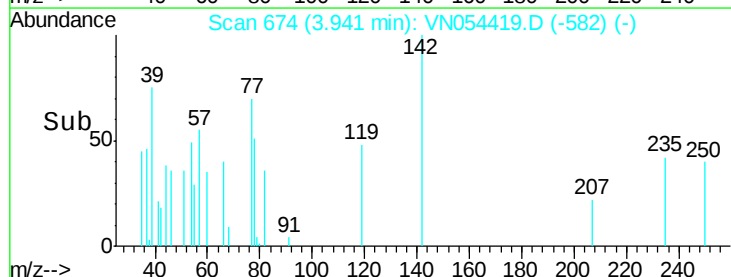
300

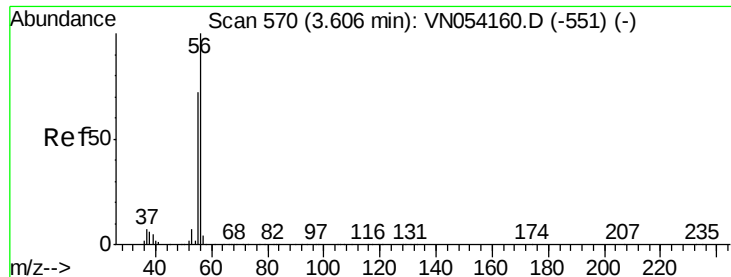
200

100

0

Time--> 3.90 3.95

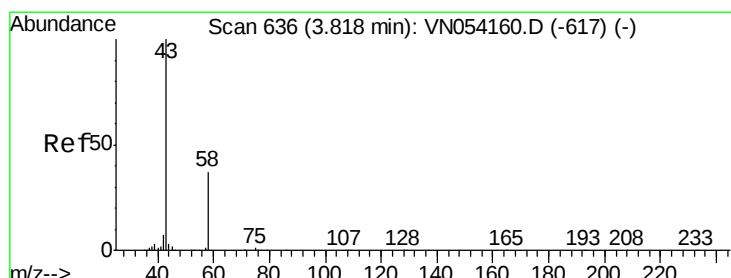
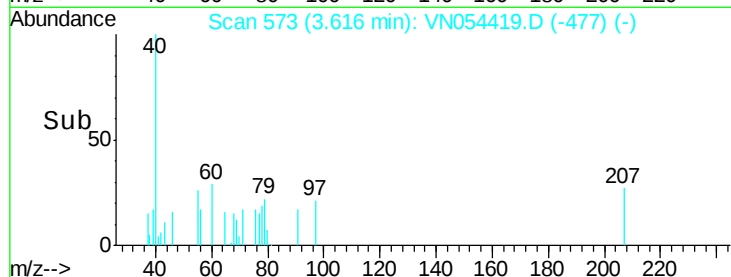
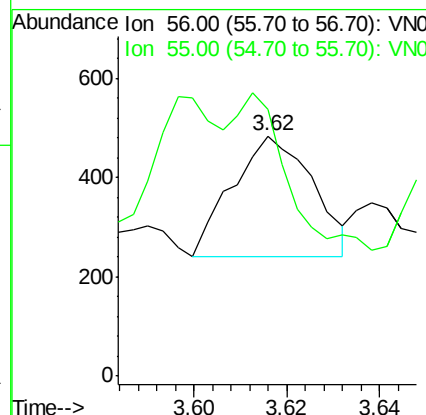
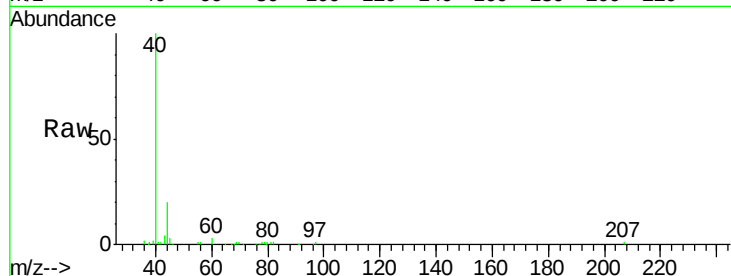




#13
Acrolein
Concen: 0.232 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

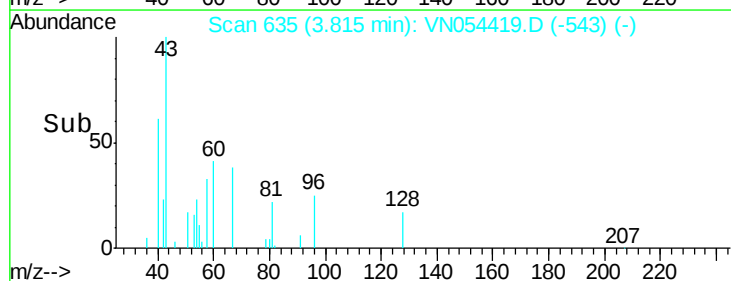
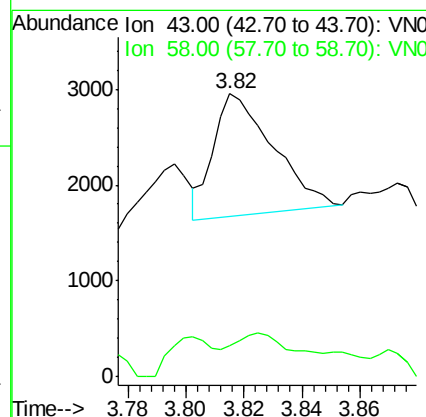
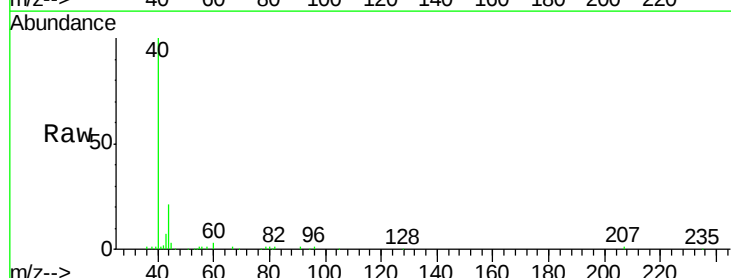
Instrument :
MSVOA_N
ClientSampled :

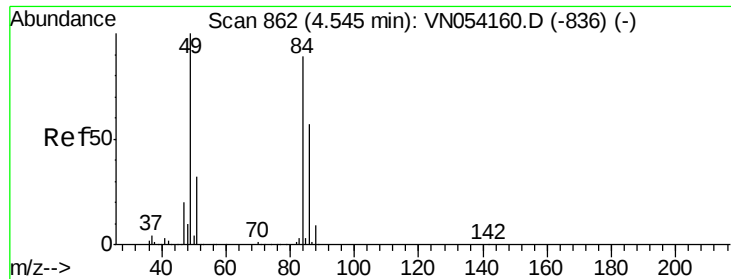
Tot Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#16
Acetone
Concen: 0.330 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
58 6.0 29.9 44.9#

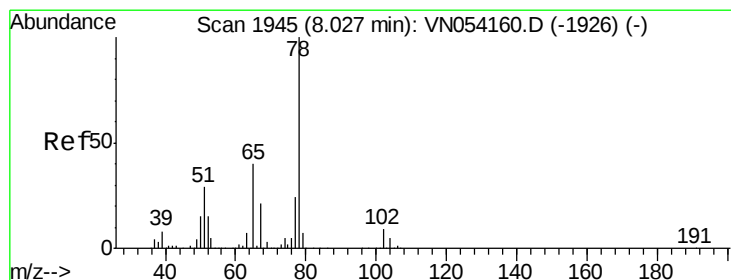
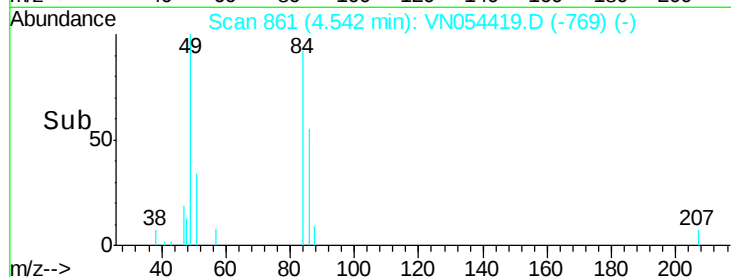
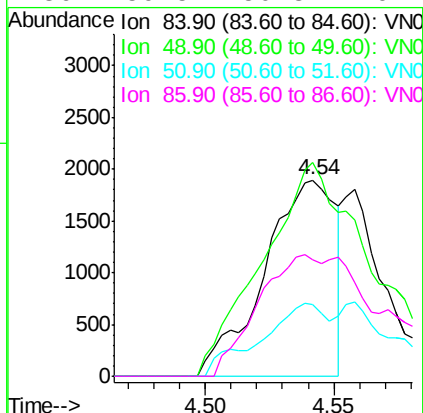
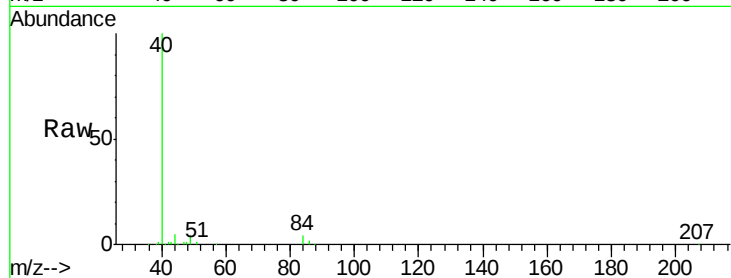




#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

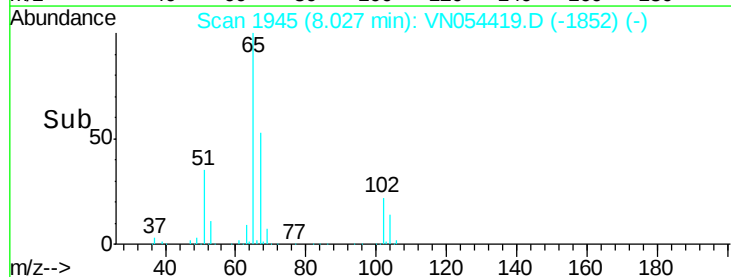
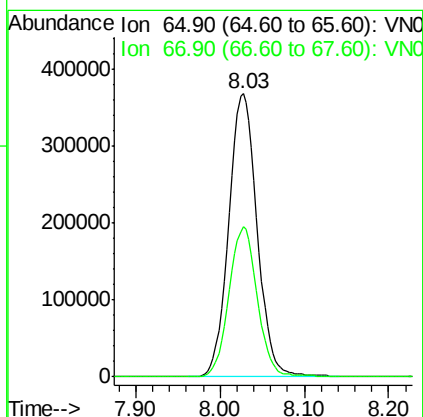
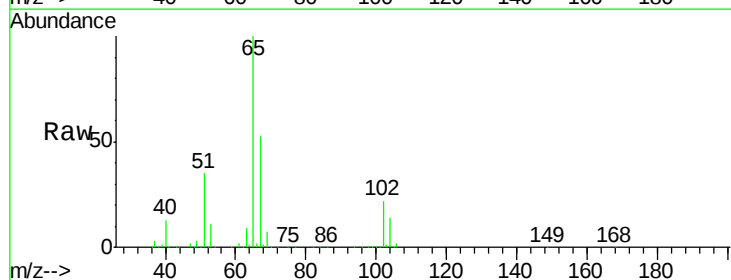
Instrument :
MSVOA_N
ClientSampleId :

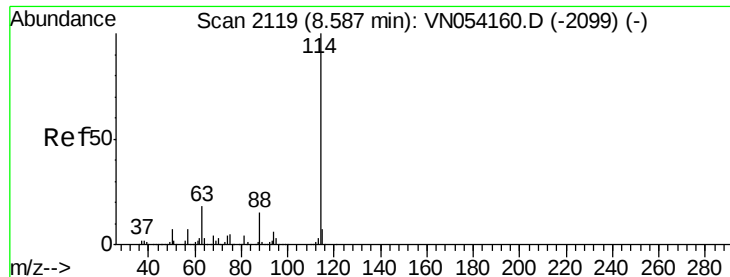
Tot Ion: 84 Resp: 3640
Ion Ratio Lower Upper
84 100
49 108.9 89.7 134.5
51 36.7 28.2 42.4
86 59.5 50.8 76.2



#33
1,2-Dichloroethane-d4
Concen: 44.708 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

Tgt Ion: 65 Resp: 862844
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.6

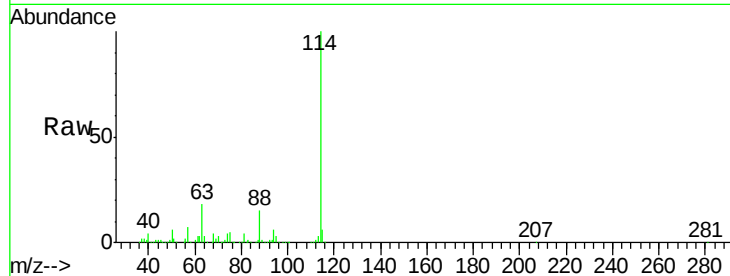




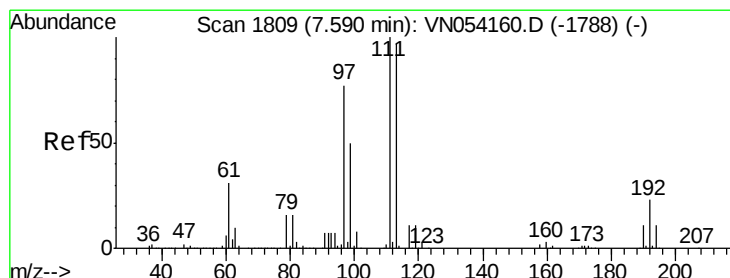
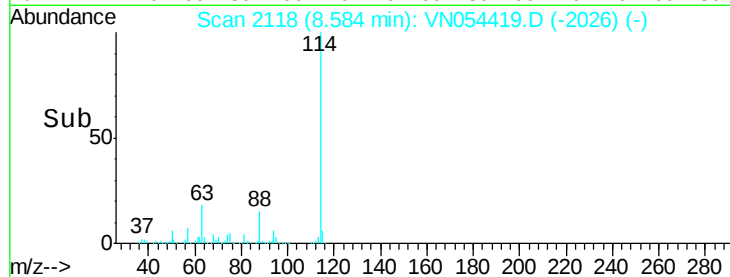
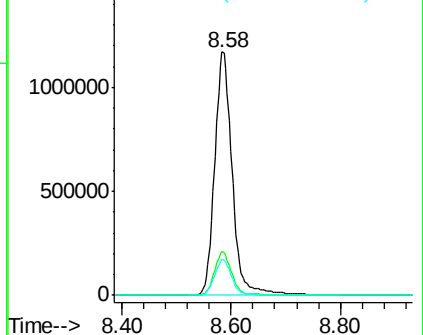
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2606143
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.6 0.0 30.2

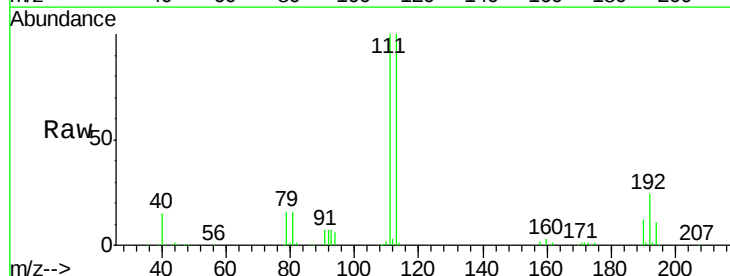


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

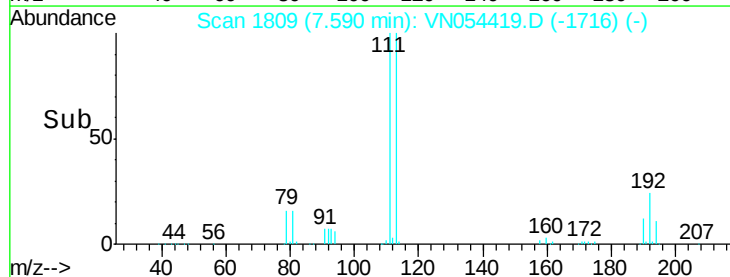
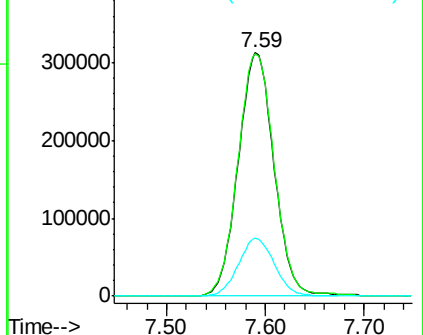


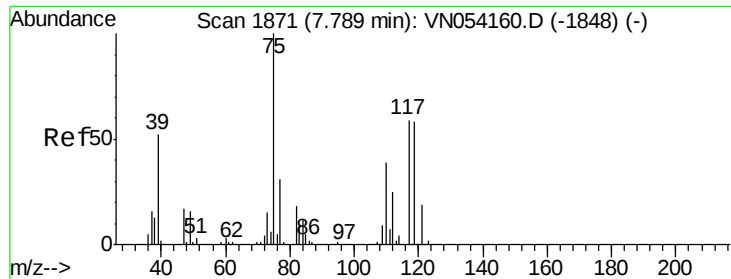
#35
 Dibromofluoromethane
 Concen: 46.707 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Tgt Ion:113 Resp: 785082
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.2 123.4
 192 23.8 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

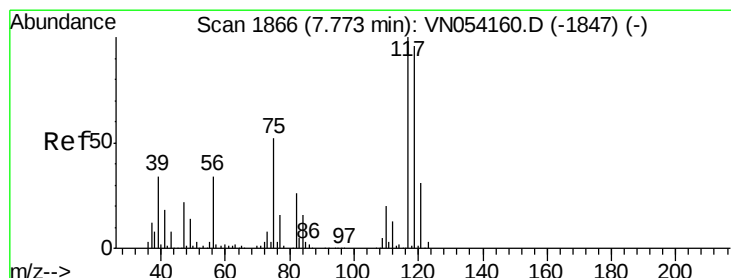
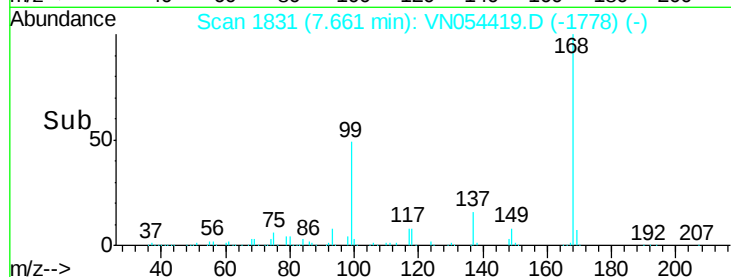
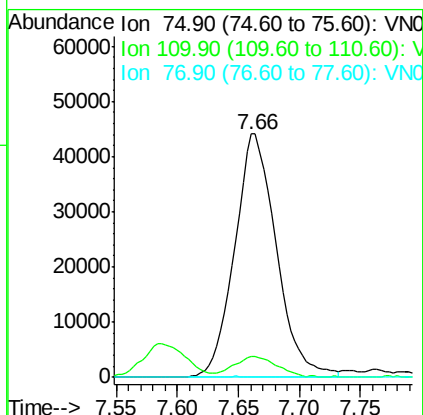
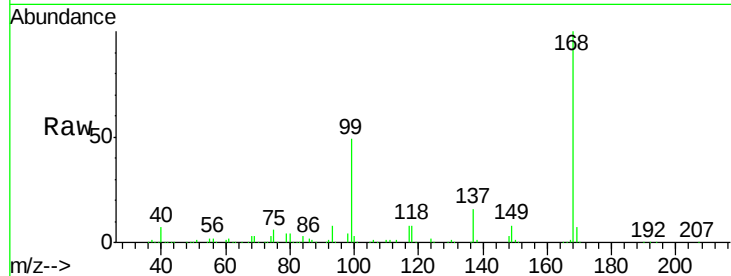




#36
 1,1-Dichloropropene
 Concen: 4.371 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

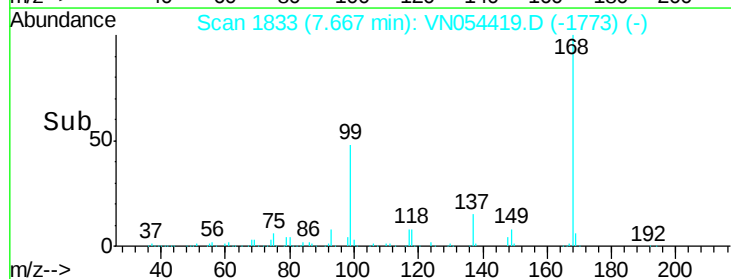
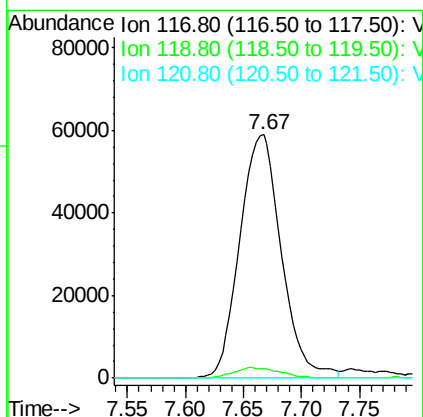
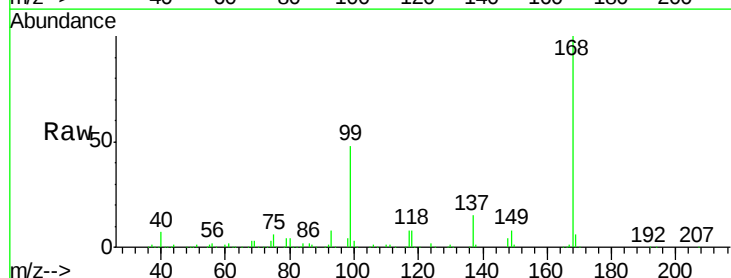
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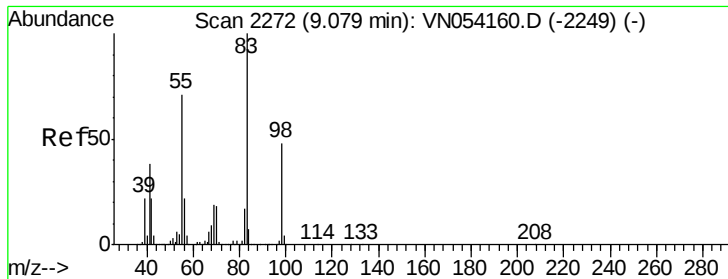
Tot Ion	75	Resp	104908
Ion Ratio	Lower	Upper	
75	100		
110	9.0	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.844 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Tgt Ion	117	Resp	147098
Ion Ratio	Lower	Upper	
117	100		
119	3.9	76.3	114.5#
121	0.0	24.6	36.8#

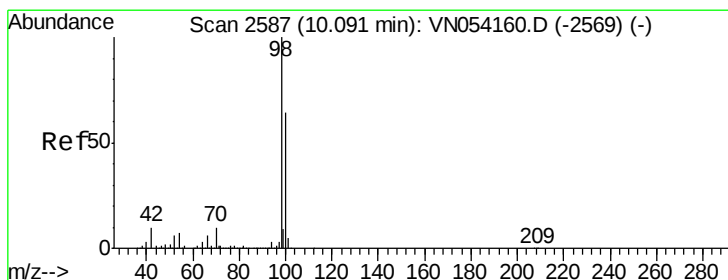
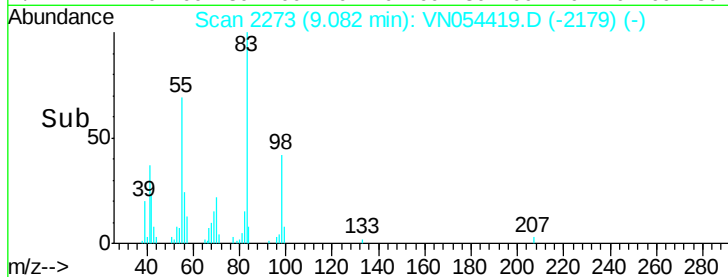
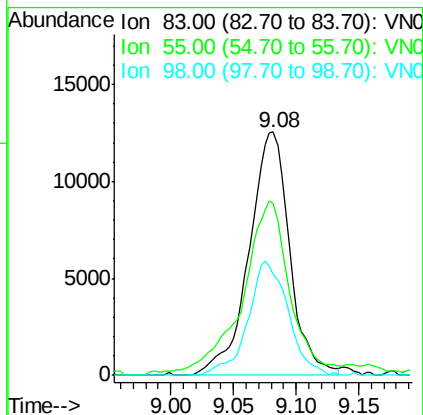
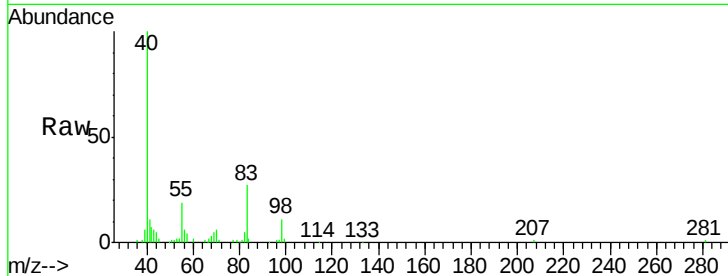




#39
Methvlcvclohexane
Concen: 0.960 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

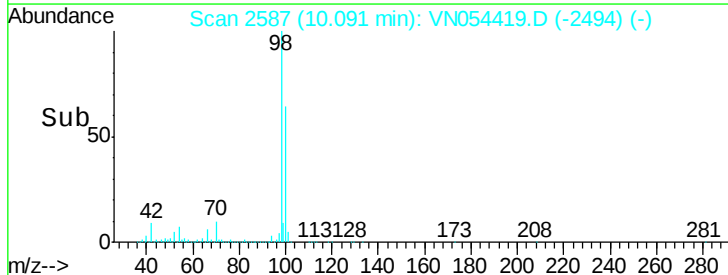
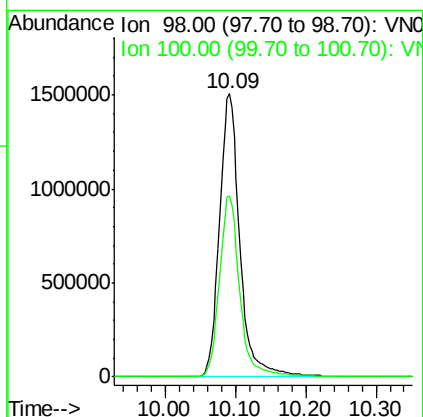
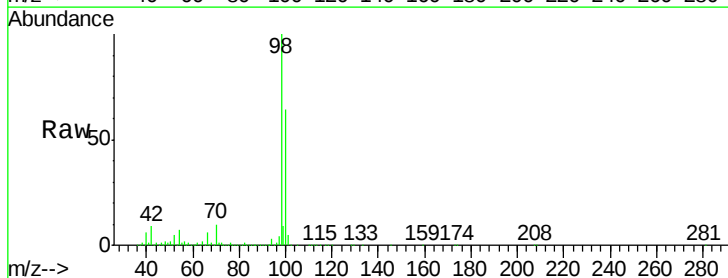
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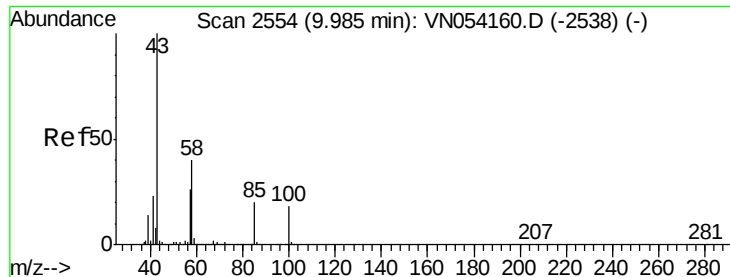
Tot Ion: 83 Resp: 28339
Ion Ratio Lower Upper
83 100
55 67.2 56.6 84.8
98 41.6 38.4 57.6



#50
Toluene-d8
Concen: 48.860 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

Tgt Ion: 98 Resp: 3033026
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.049 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

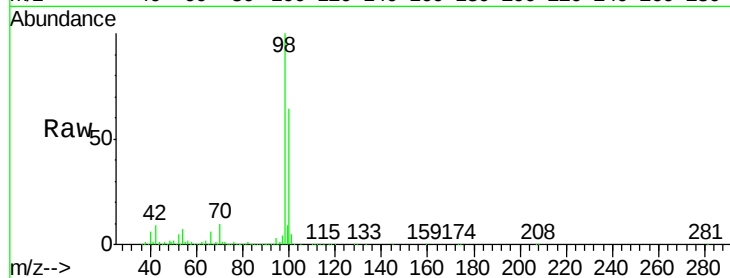
ClientSampled :

Tot Ion: 43 Resp: 13433

Ion Ratio Lower Upper

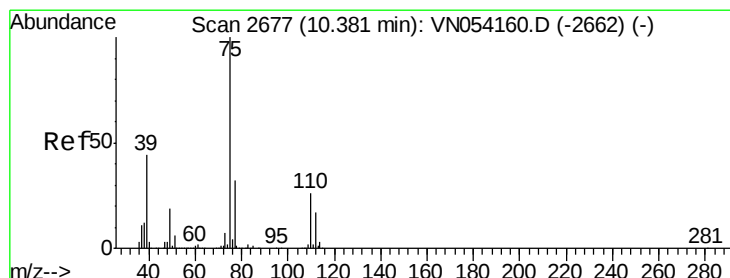
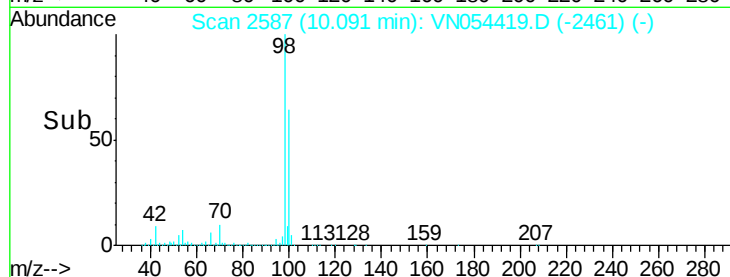
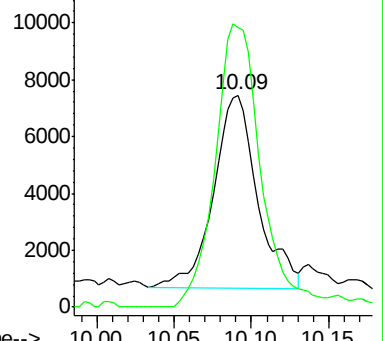
43 100

58 151.9 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054419.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054419.D (-2538) (-)



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.03 min

Lab File: VN054419.D

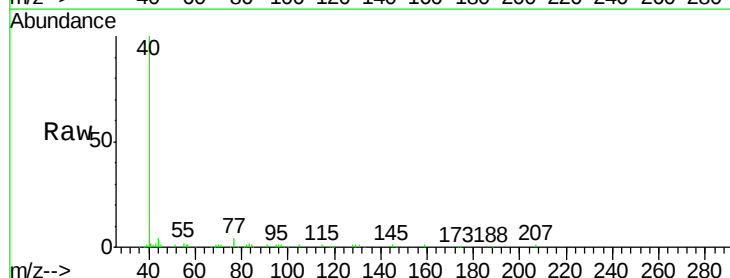
Acq: 19 Mar 2019 3:40

Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

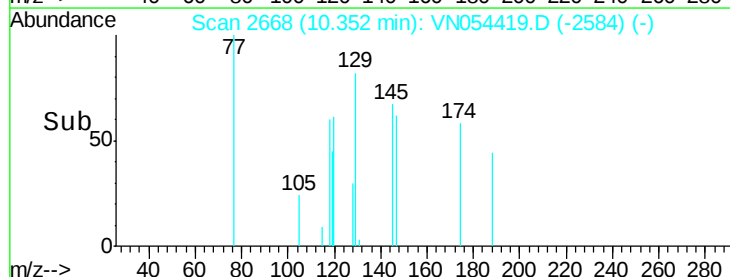
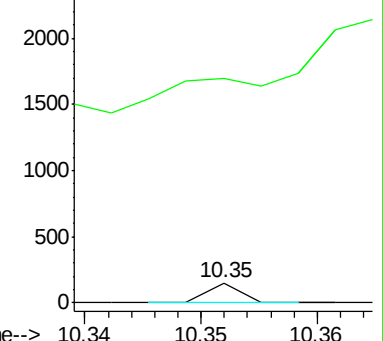
75 100

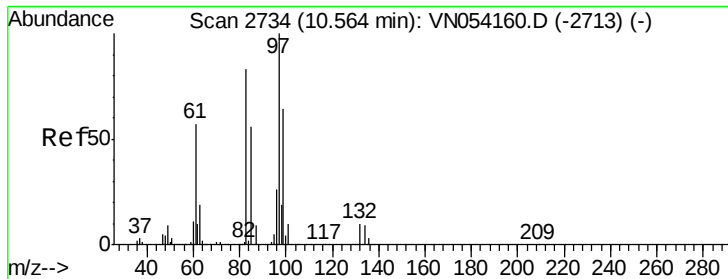
77 100.6 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054419.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054419.D (-2662) (-)





#55

1,1,2-Trichloroethane

Concen: 1.089 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 17309

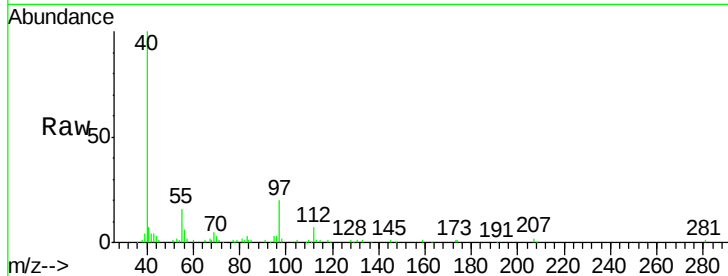
Ion Ratio Lower Upper

97 100

83 11.7 66.6 100.0#

85 3.4 44.4 66.6#

99 0.0 50.8 76.2#

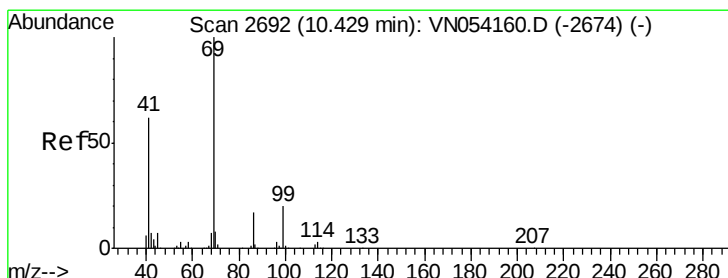
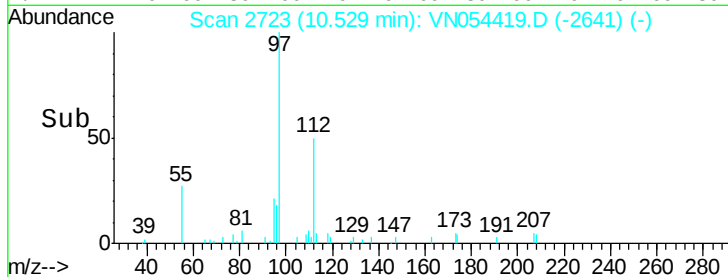
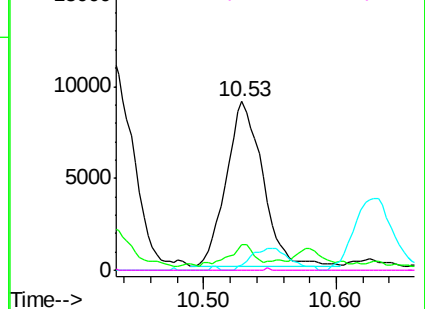


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.362 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

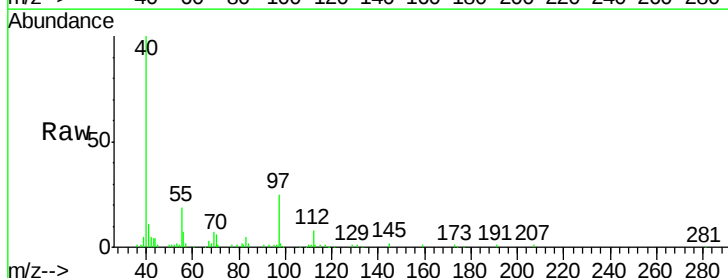
Tgt Ion: 69 Resp: 6854

Ion Ratio Lower Upper

69 100

41 110.4 49.4 74.2#

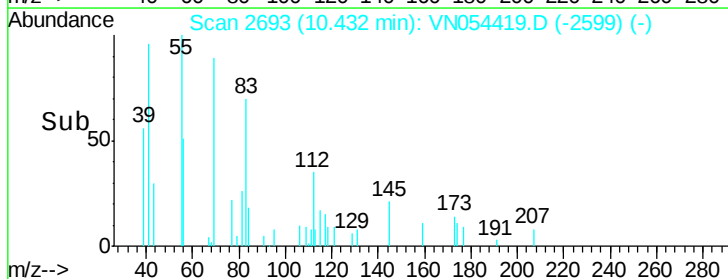
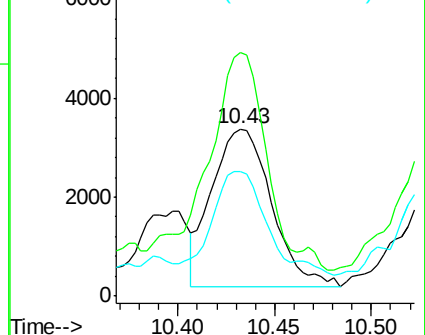
39 60.1 28.3 42.5#

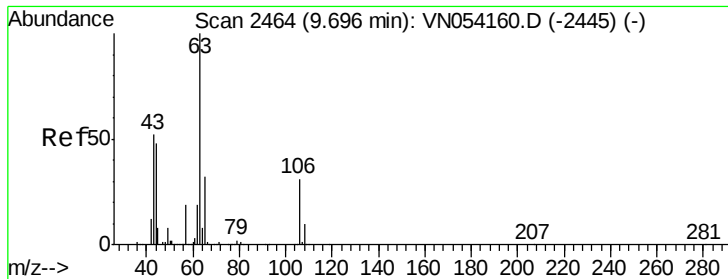


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#58

2-Chloroethyl Vinyl ether

Concen: 16.835 ug/l

RT: 9.71 min Scan# 2468

Delta R.T. 0.01 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

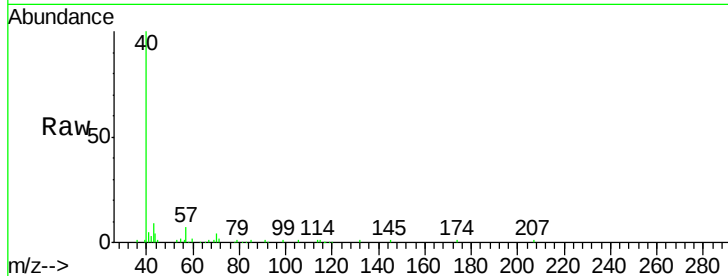
ClientSampleId :

Tot Ion: 63 Resp: 65

Ion Ratio Lower Upper

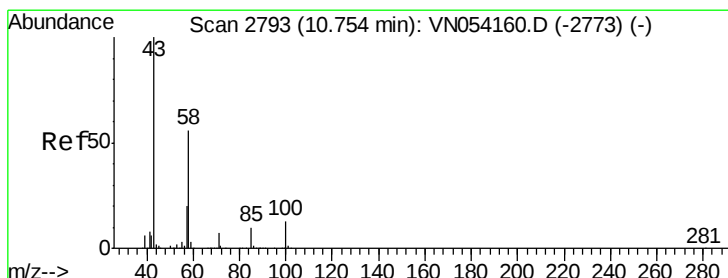
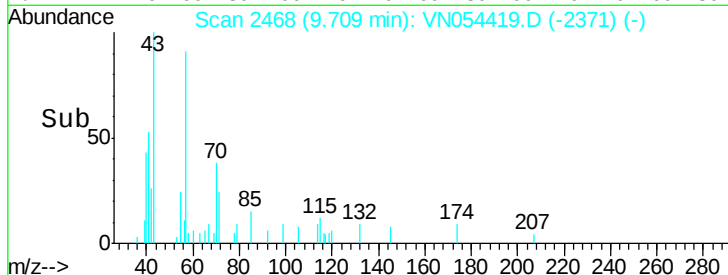
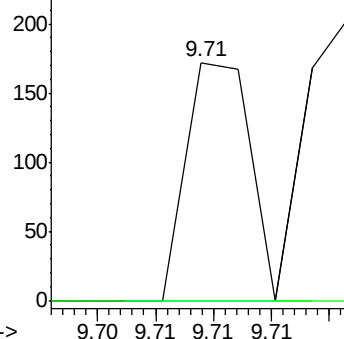
63 100

106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 0.250 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. 0.14 min

Lab File: VN054419.D

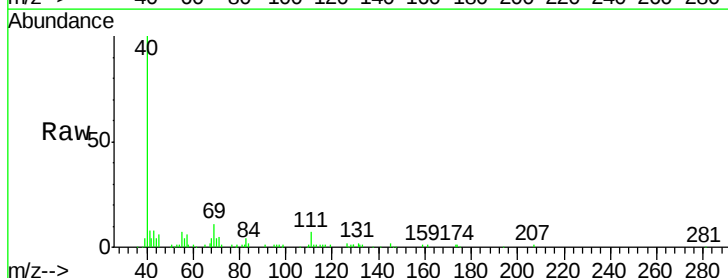
Acq: 19 Mar 2019 3:40

Tgt Ion: 43 Resp: 2128

Ion Ratio Lower Upper

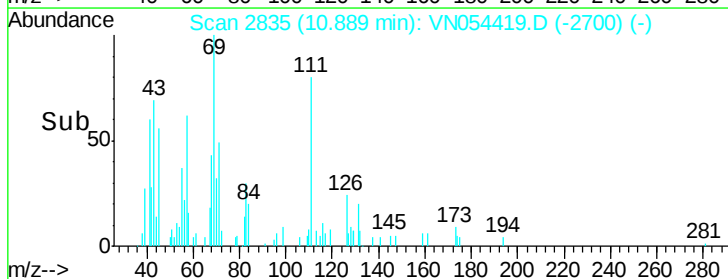
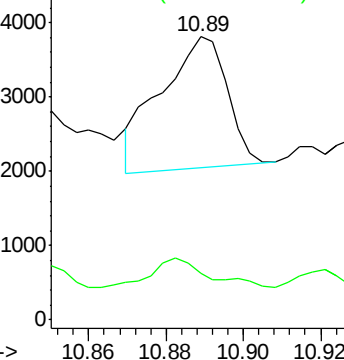
43 100

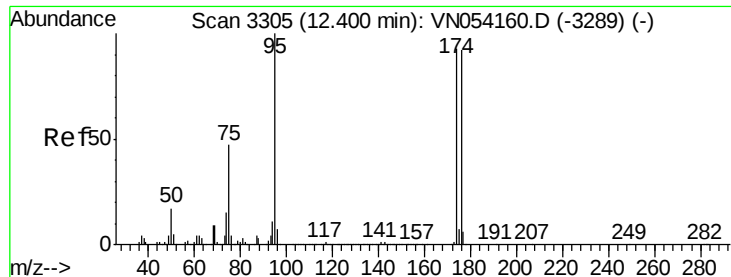
58 39.4 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.232 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

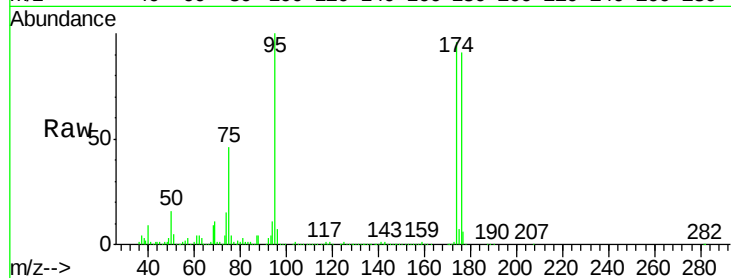
Tot Ion: 95 Resp: 982472

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

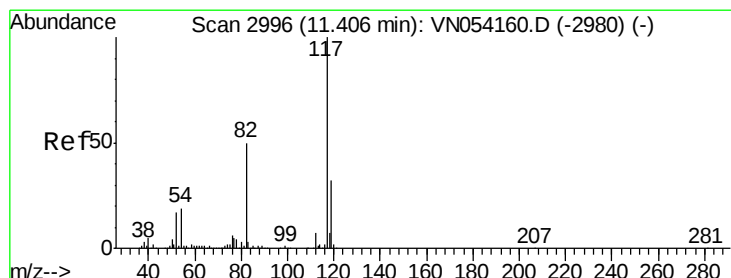
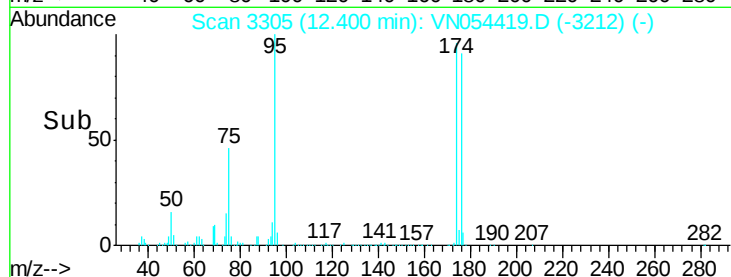
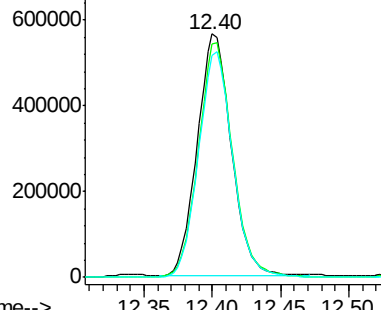
176 93.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054419.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054419.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054419.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

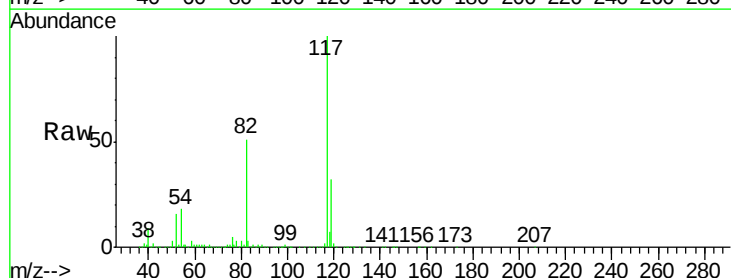
Tgt Ion: 117 Resp: 2255514

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

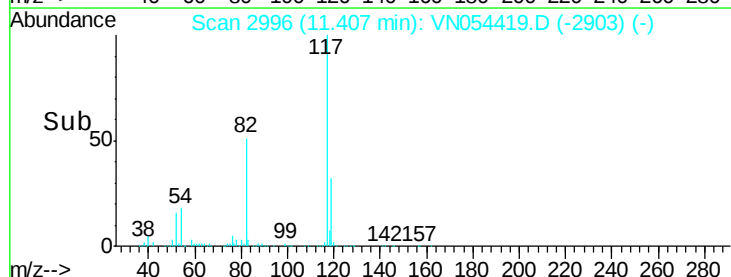
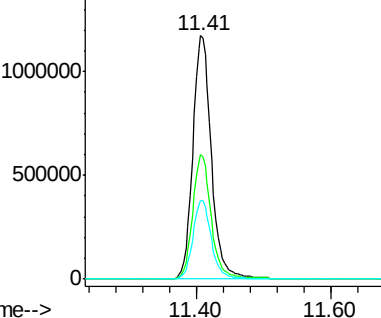
119 32.3 25.8 38.6

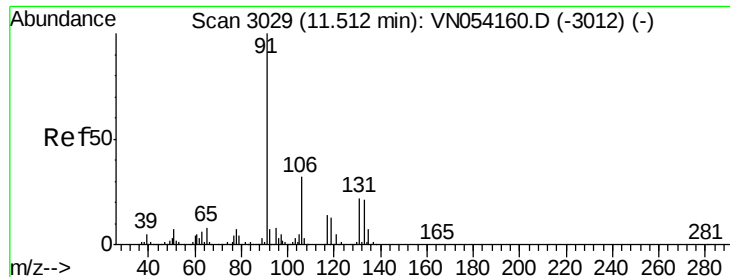


Abundance Ion 116.90 (116.60 to 117.60): VN054419.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054419.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054419.D (-2980) (-)





#67

Ethyl Benzene

Concen: 1.168 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

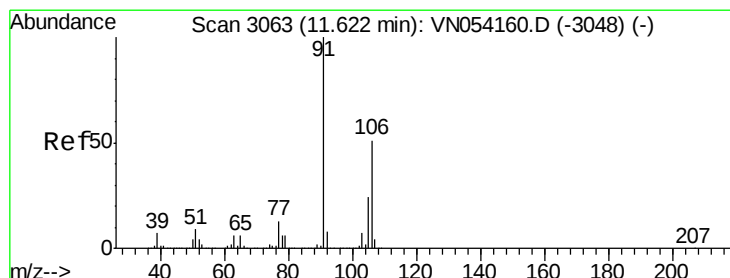
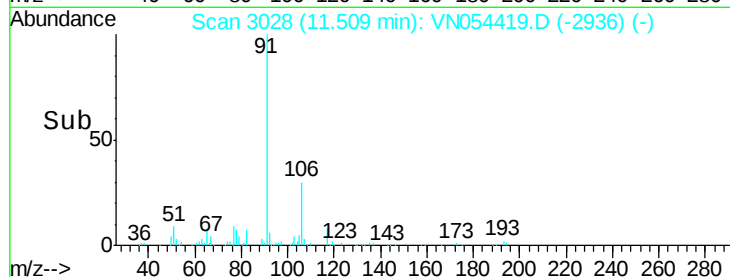
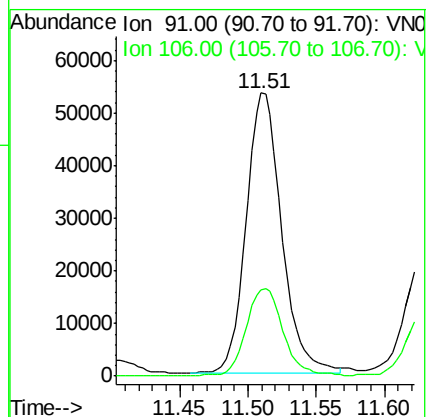
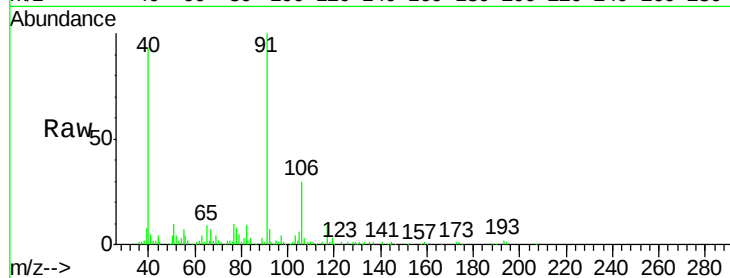
ClientSampleId :

Tot Ion: 91 Resp: 95889

Ion Ratio Lower Upper

91 100

106 30.5 25.5 38.3



#68

m/p-Xylenes

Concen: 0.605 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN054419.D

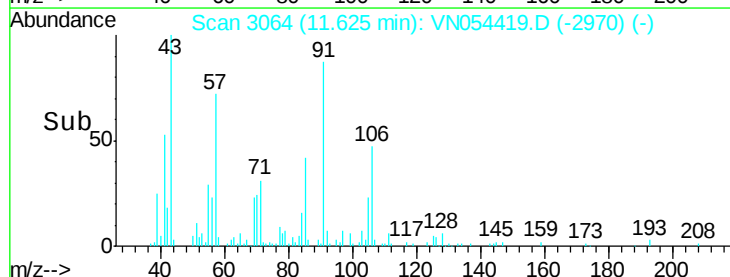
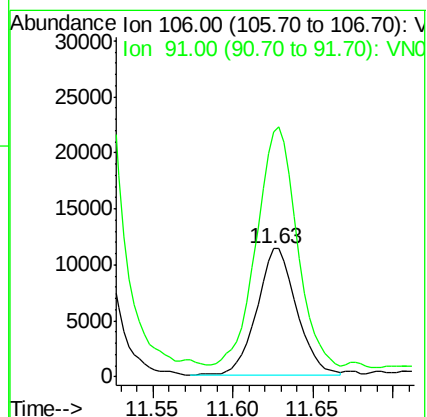
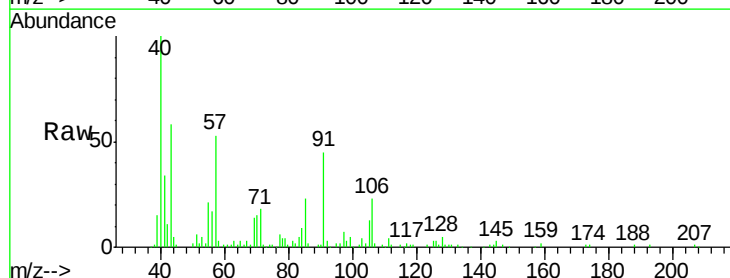
Acq: 19 Mar 2019 3:40

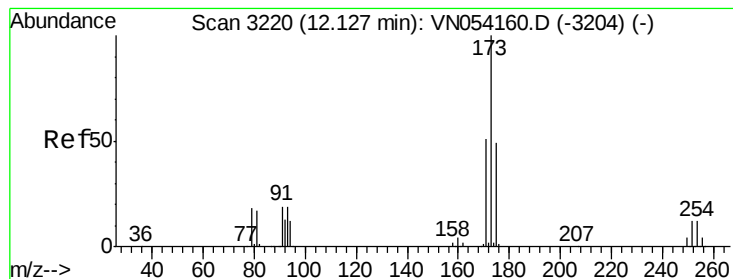
Tgt Ion: 106 Resp: 19428

Ion Ratio Lower Upper

106 100

91 189.1 159.4 239.2





#71

Bromoform

Concen: 2.402 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. -0.01 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampled :

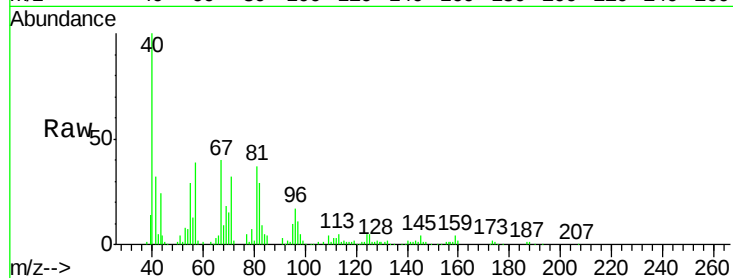
Tot Ion:173 Resp: 744

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

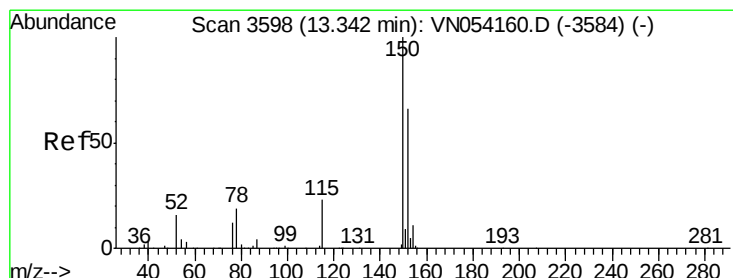
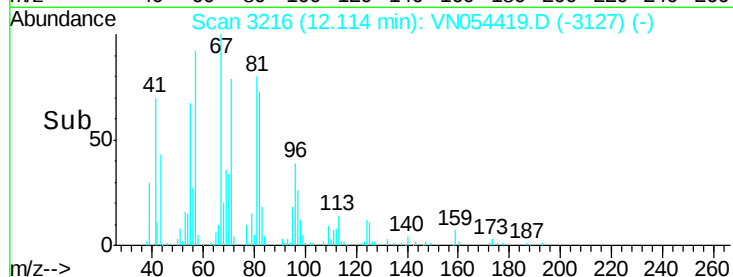
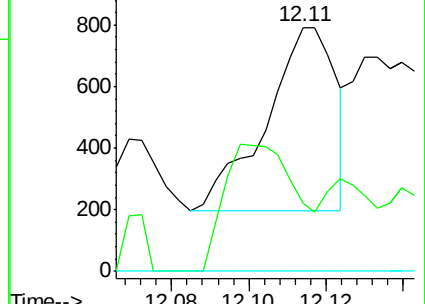
254 0.0 0.1 0.1#



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: VN054419.D

Acq: 19 Mar 2019 3:40

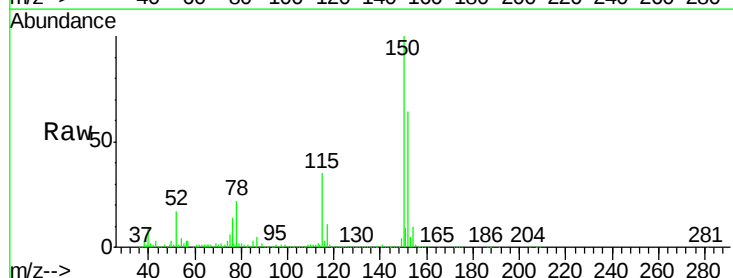
Tgt Ion:152 Resp: 1015127

Ion Ratio Lower Upper

152 100

115 56.3 27.2 81.6

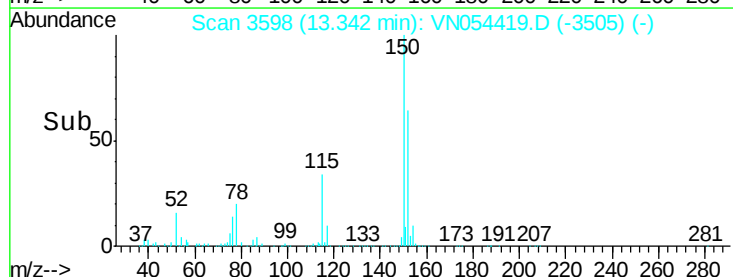
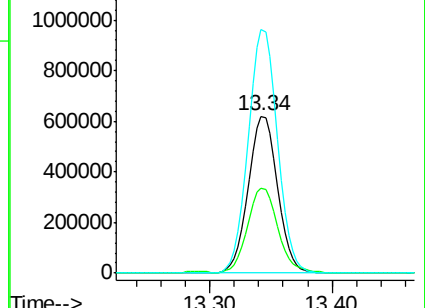
150 155.6 0.0 349.2

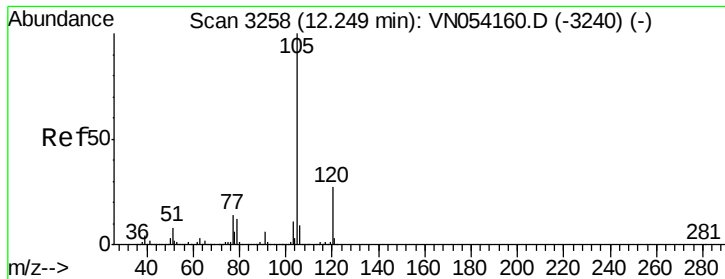


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.208 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

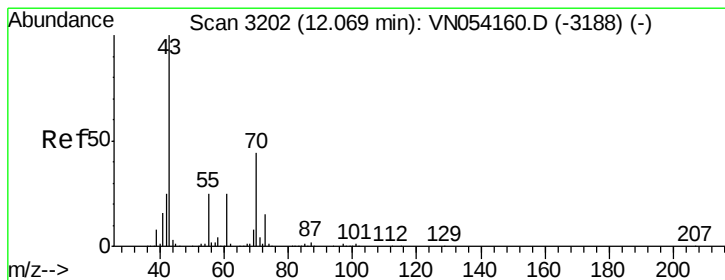
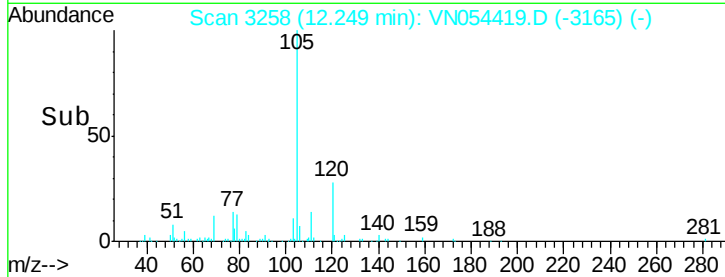
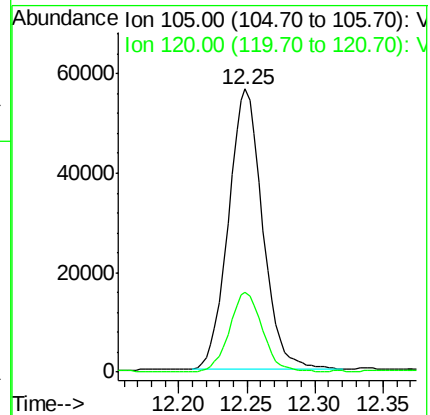
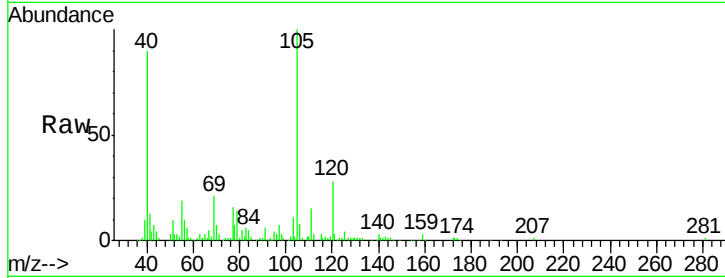
ClientSampleId :

Tot Ion:105 Resp: 98112

Ion Ratio Lower Upper

105 100

120 27.8 13.8 41.3



#74

N-ethyl acetate

Concen: 2.813 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Tgt Ion: 43 Resp: 50704

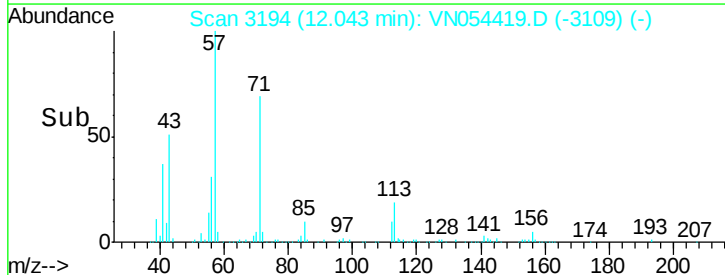
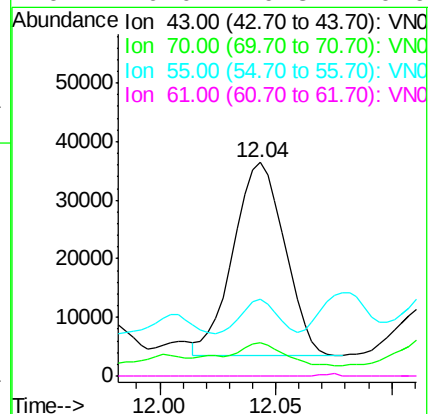
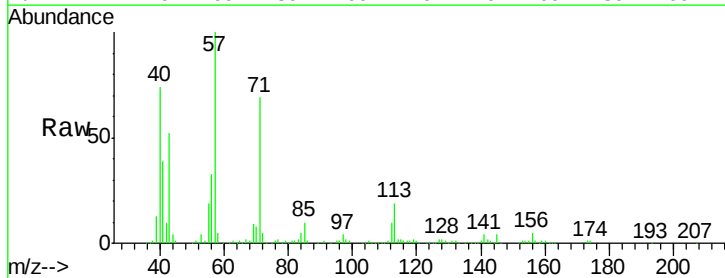
Ion Ratio Lower Upper

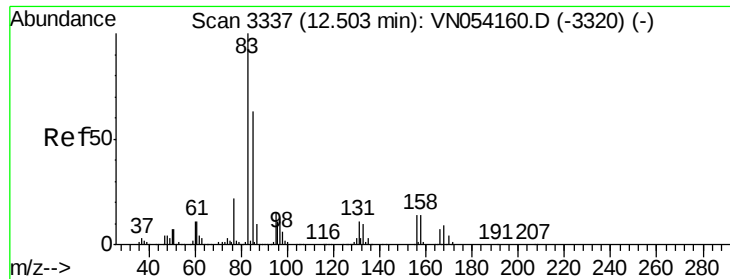
43 100

70 10.2 35.4 53.0#

55 15.9 19.8 29.6#

61 0.0 19.8 29.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.310 ug/l

RT: 12.46 min Scan# 3325

Delta R.T. -0.04 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampled :

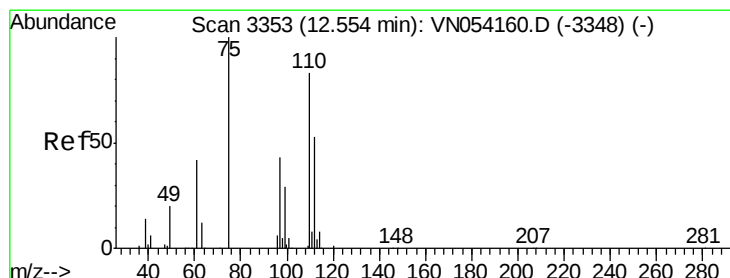
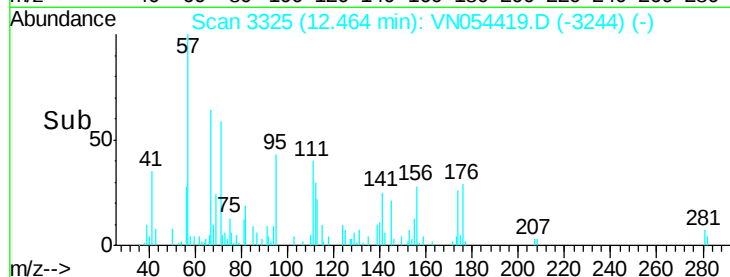
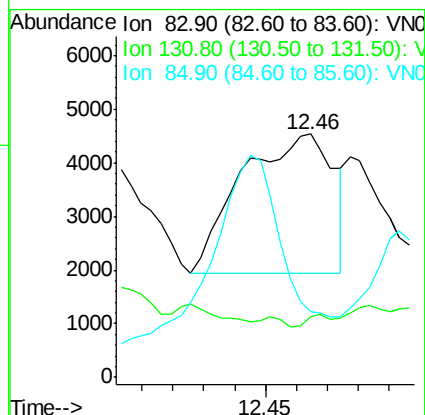
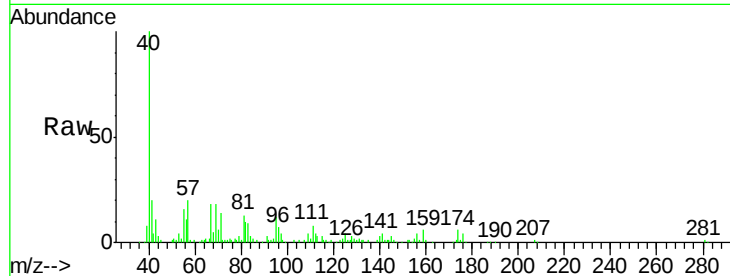
Tot Ion: 83 Resp: 5360

Ion Ratio Lower Upper

83 100

131 1.7 5.8 17.4#

85 0.0 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 30.793 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054419.D

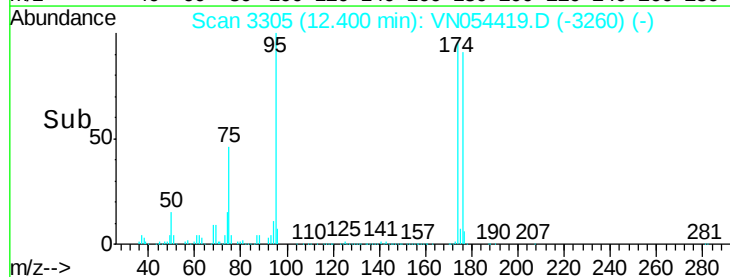
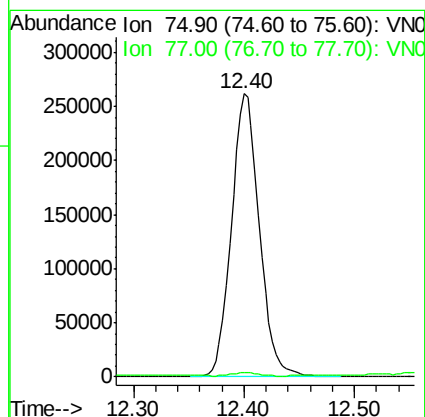
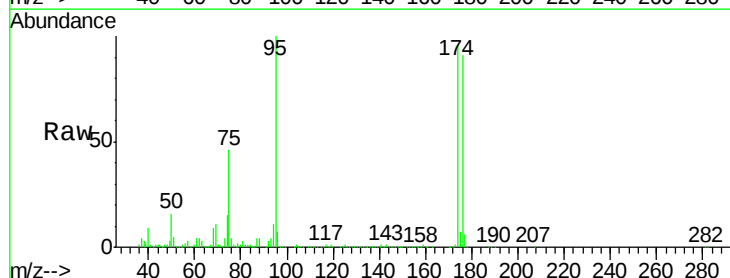
Acq: 19 Mar 2019 3:40

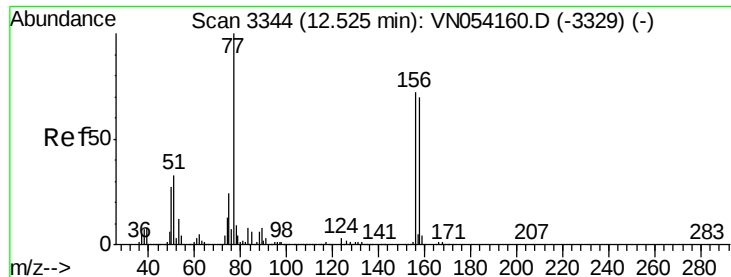
Tgt Ion: 75 Resp: 459678

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#77

Bromobenzene

Concen: 1.900 ug/l

RT: 12.54 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

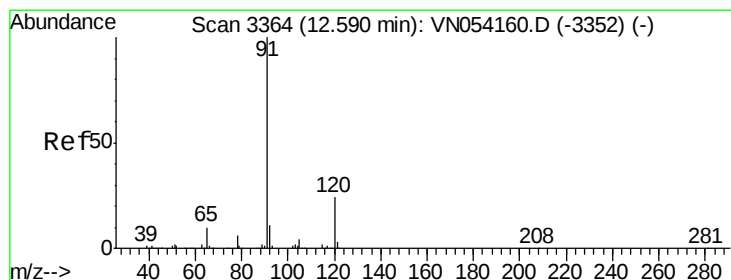
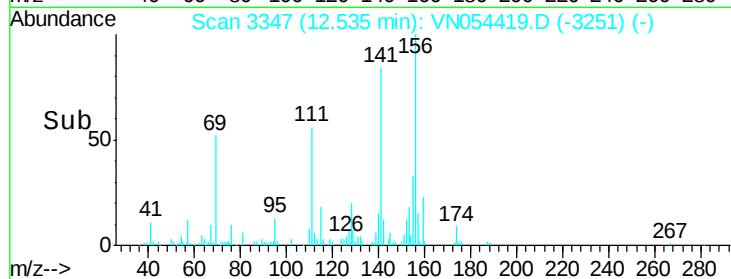
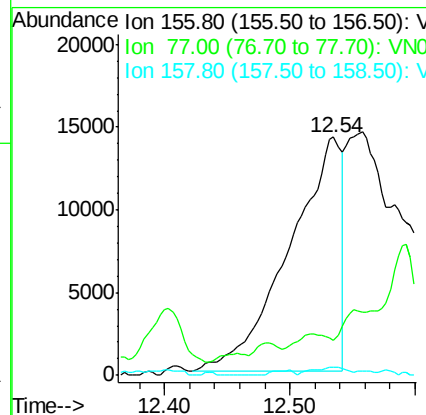
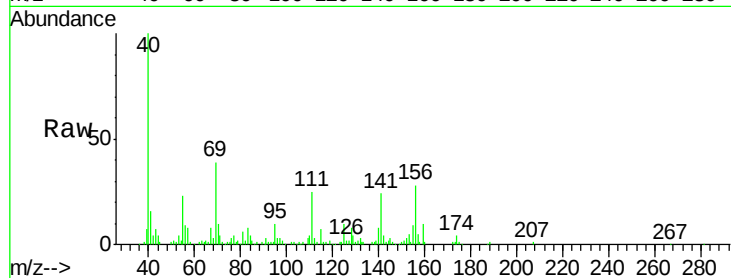
Tot Ion:156 Resp: 40830

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

158 2.4 49.0 147.2#



#78

n-propylbenzene

Concen: 2.498 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054419.D

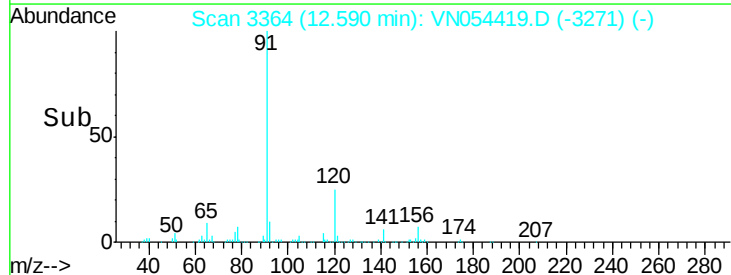
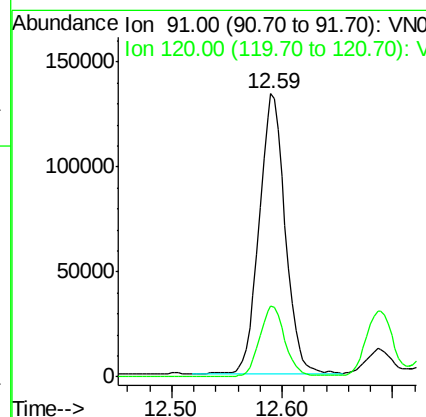
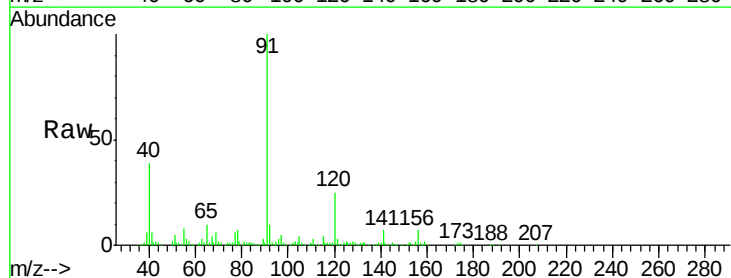
Acq: 19 Mar 2019 3:40

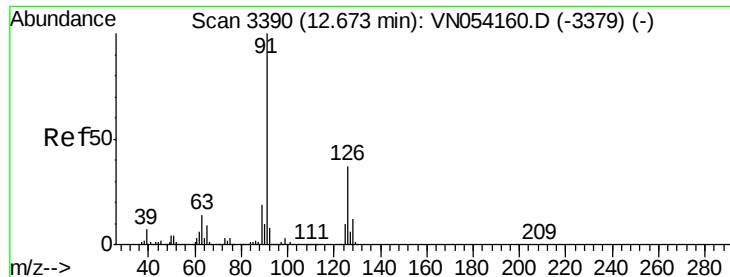
Tgt Ion: 91 Resp: 220113

Ion Ratio Lower Upper

91 100

120 24.3 12.3 36.9





#79

2-Chlorotoluene

Concen: 0.353 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

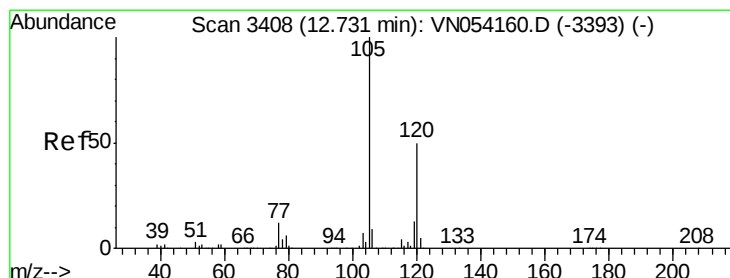
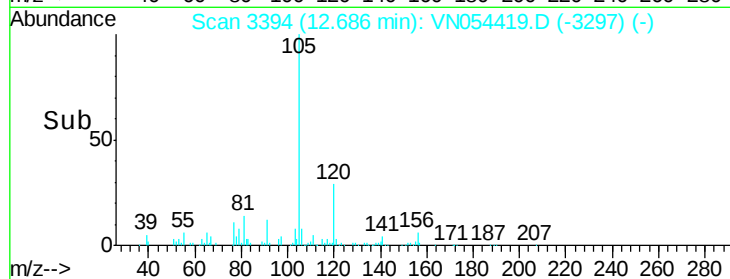
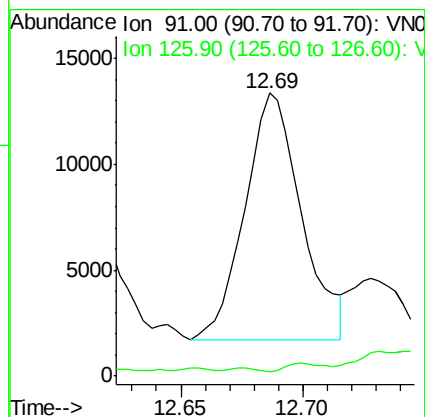
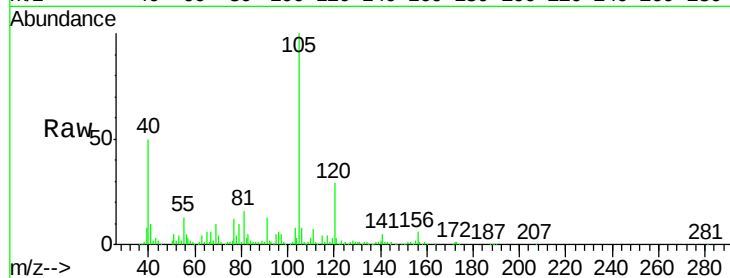
ClientSampleId :

Tot Ion: 91 Resp: 18681

Ion Ratio Lower Upper

91 100

126 2.2 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 0.708 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054419.D

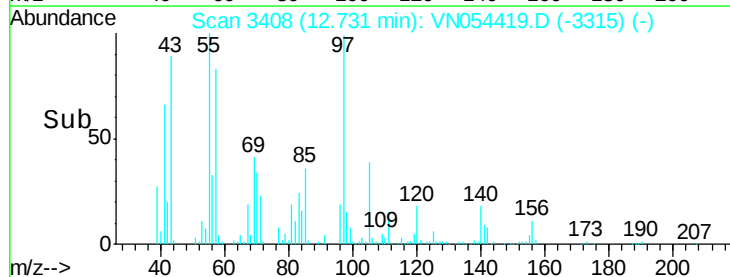
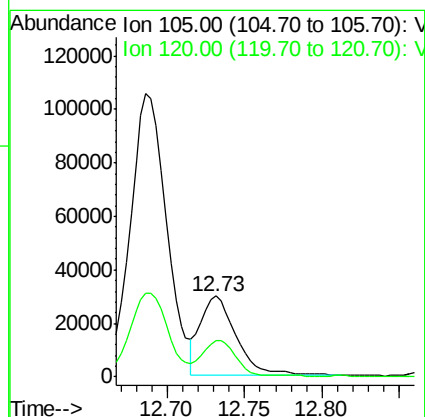
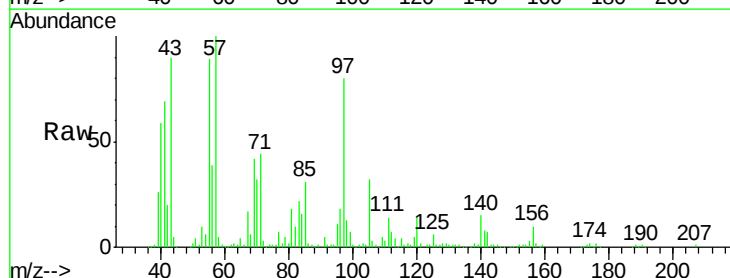
Acq: 19 Mar 2019 3:40

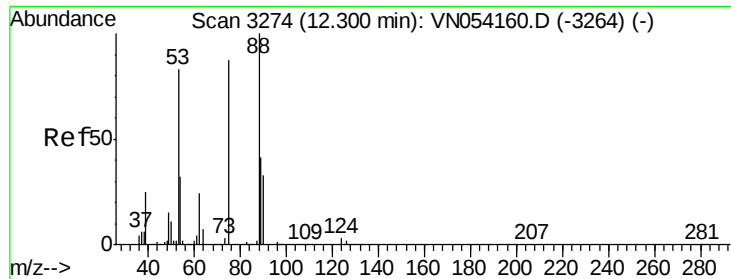
Tgt Ion: 105 Resp: 47815

Ion Ratio Lower Upper

105 100

120 41.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 105.265 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

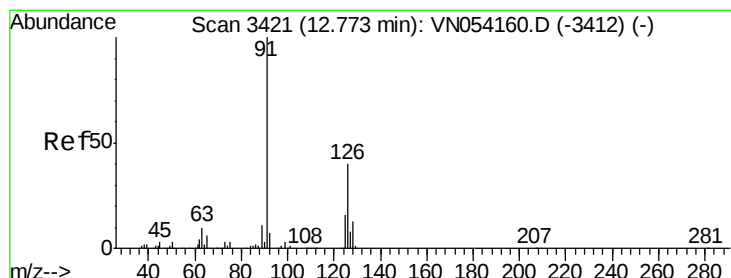
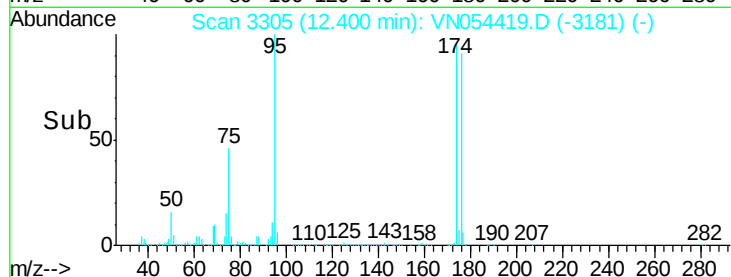
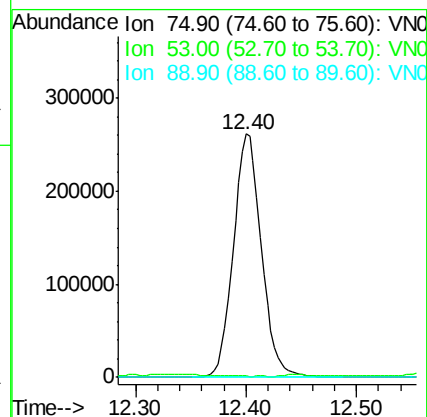
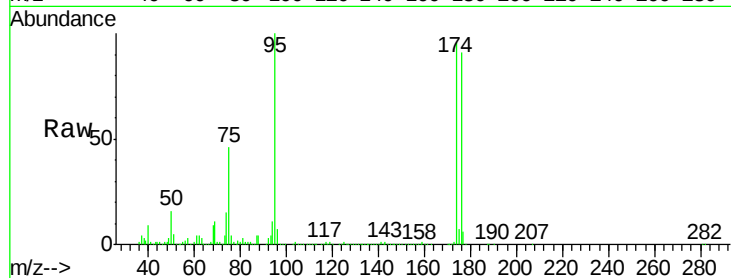
Tot Ion: 75 Resp: 459678

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.0 39.2 58.8#



#82

4-Chlorotoluene

Concen: 0.353 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. -0.09 min

Lab File: VN054419.D

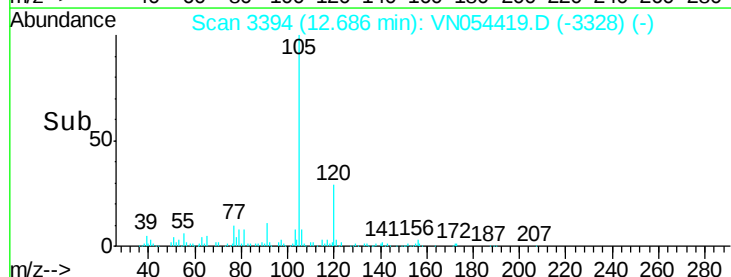
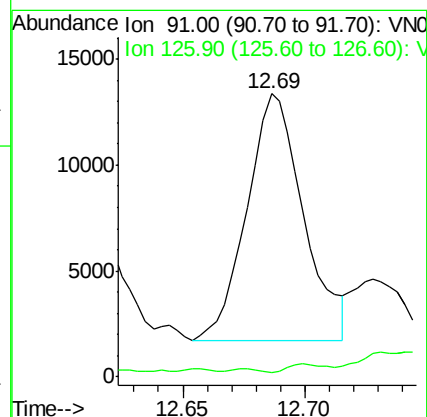
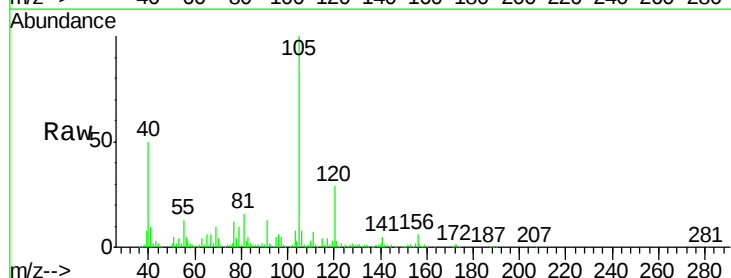
Acq: 19 Mar 2019 3:40

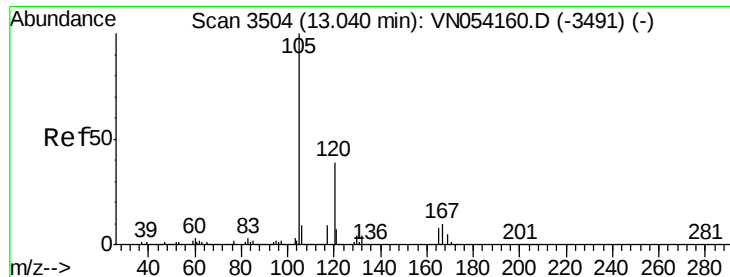
Tgt Ion: 91 Resp: 18681

Ion Ratio Lower Upper

91 100

126 2.2 18.1 54.1#





#84

1,2,4-Trimethylbenzene

Concen: 8.930 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

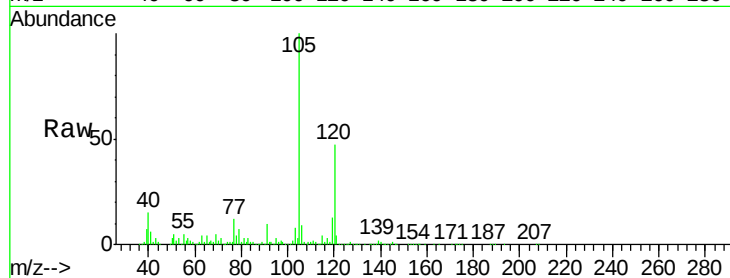
ClientSampled :

Tot Ion:105 Resp: 591849

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

400000

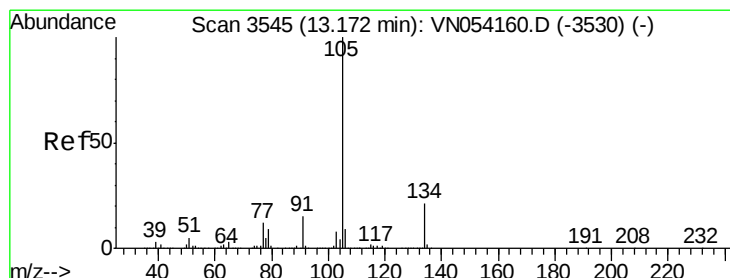
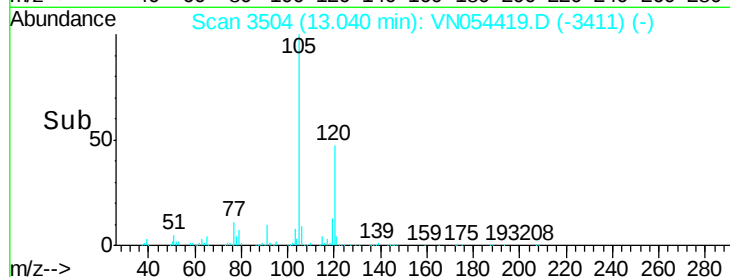
300000

200000

100000

0

Time-->



#85

sec-Butylbenzene

Concen: 2.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054419.D

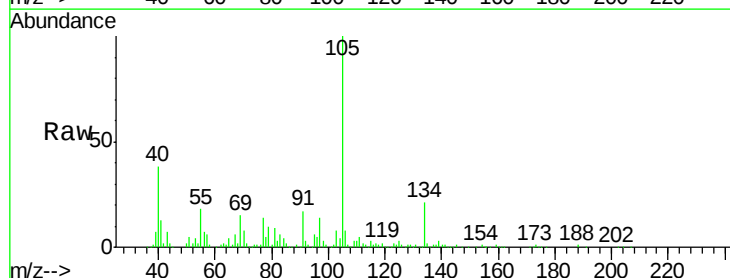
Acq: 19 Mar 2019 3:40

Tgt Ion:105 Resp: 224835

Ion Ratio Lower Upper

105 100

134 26.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

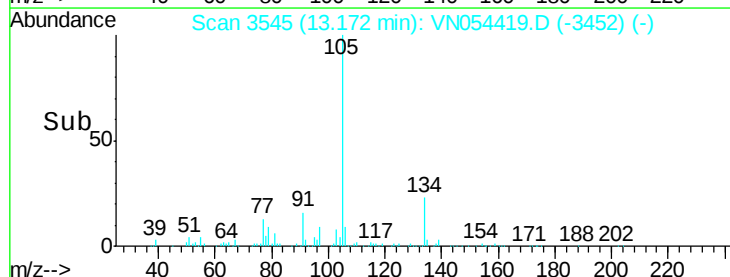
150000

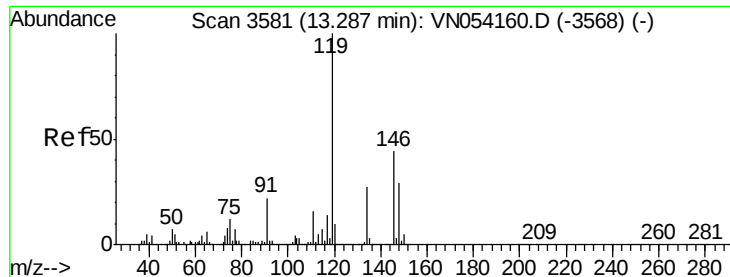
100000

50000

0

Time-->





#86

p-Isopropyltoluene

Concen: 1.472 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampled :

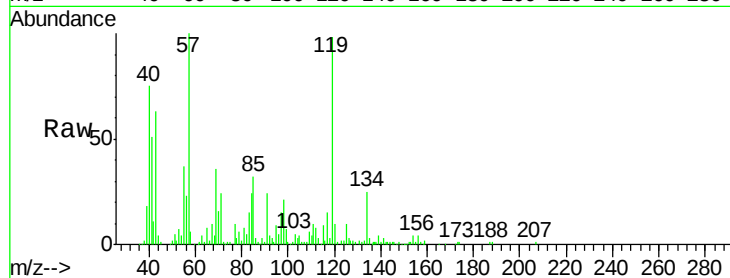
Tot Ion:119 Resp: 104147

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

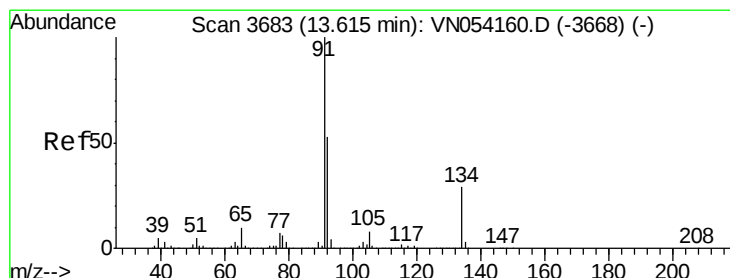
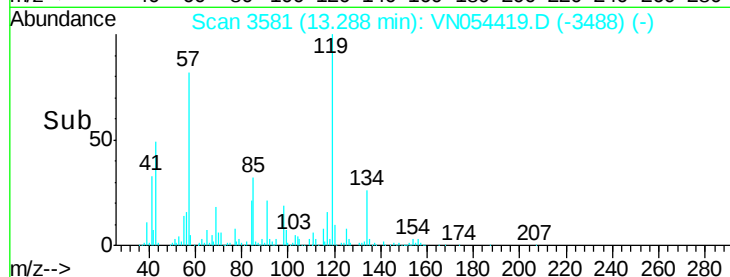
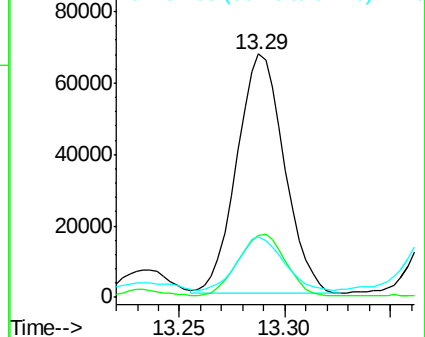
91 21.4 11.1 33.3



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: 3.473 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

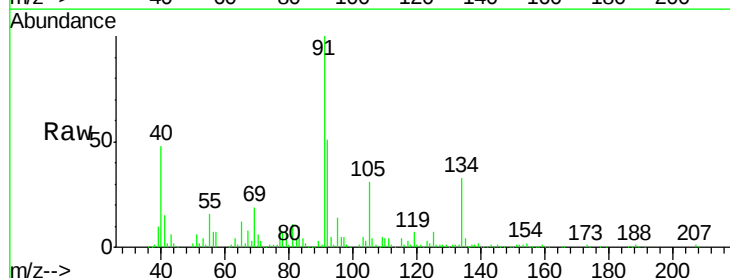
Tgt Ion: 91 Resp: 186670

Ion Ratio Lower Upper

91 100

92 46.9 26.2 78.6

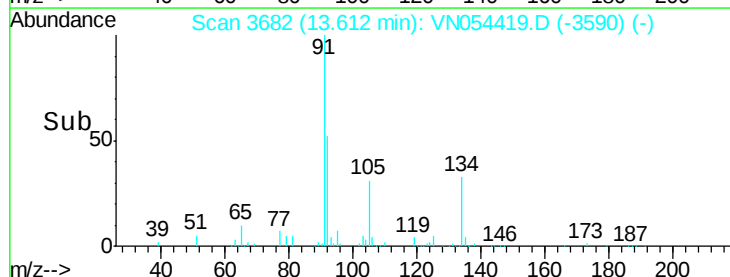
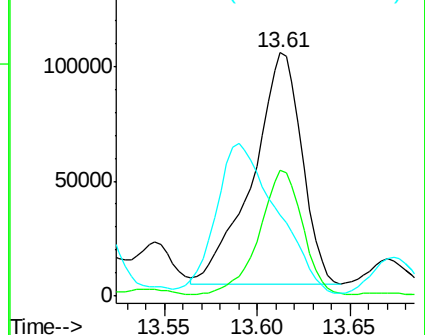
134 0.0 14.3 42.9#

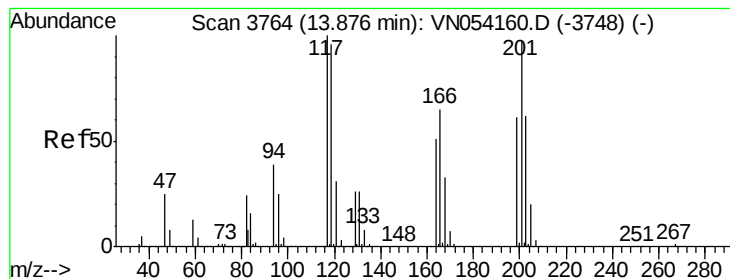


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 4.763 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

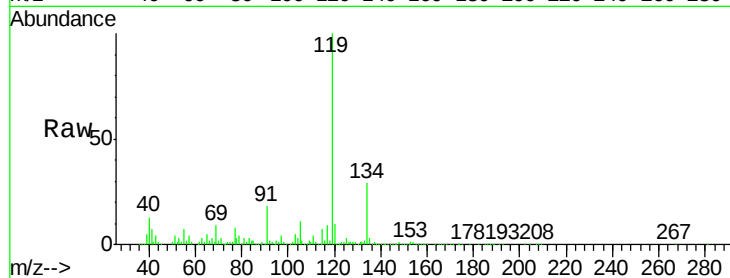
ClientSampleId :

Tot Ion:117 Resp: 55792

Ion Ratio Lower Upper

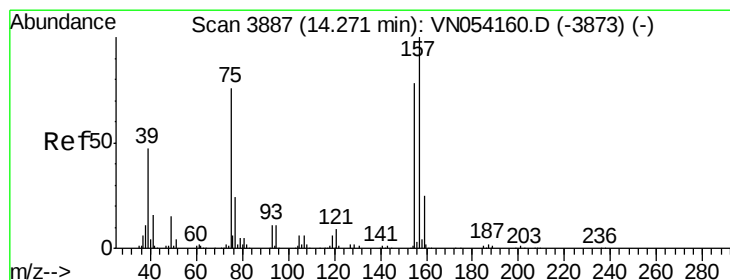
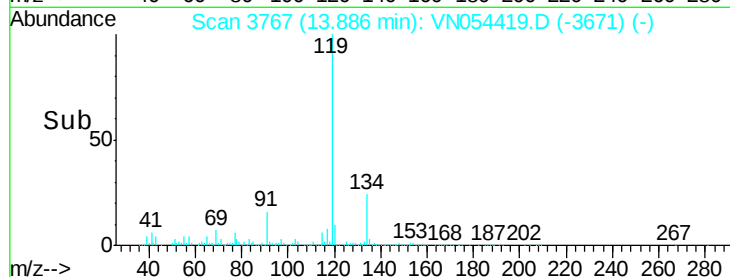
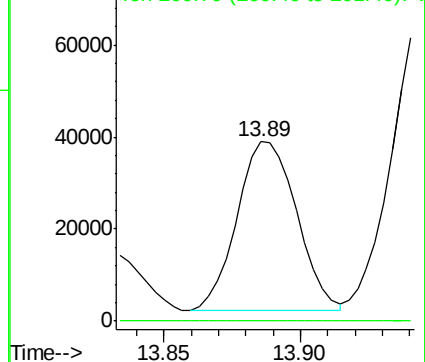
117 100

201 0.5 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.540 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

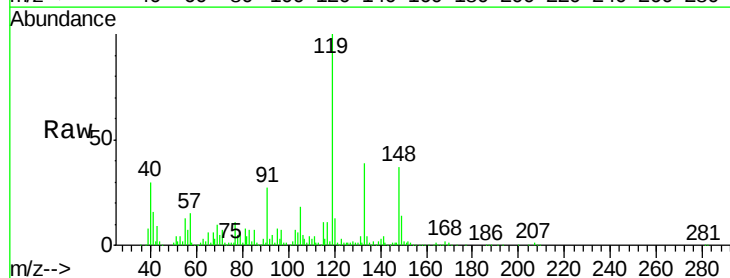
Tgt Ion: 75 Resp: 1445

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

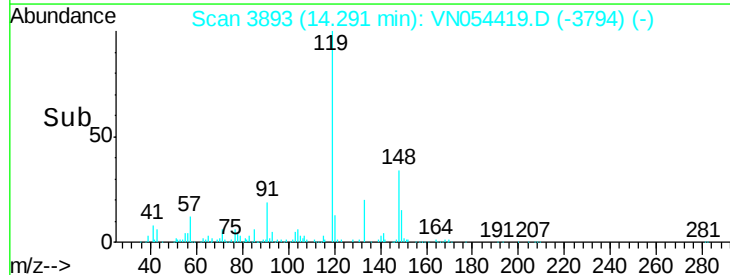
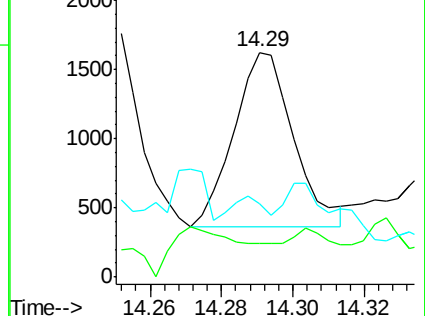
157 9.2 63.1 189.3#

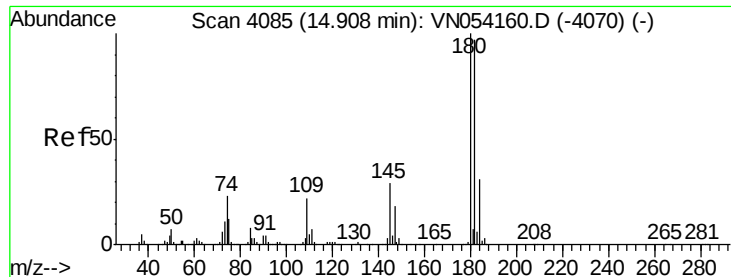


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

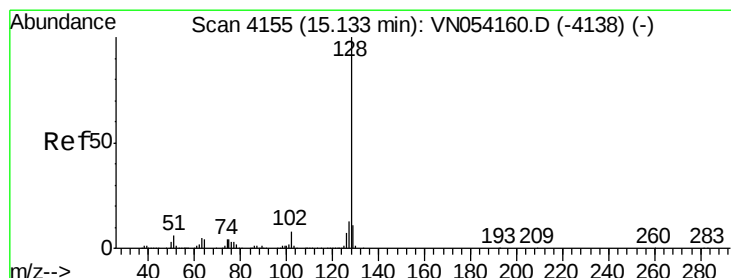
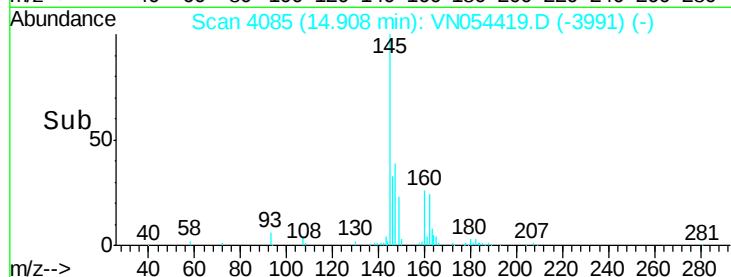
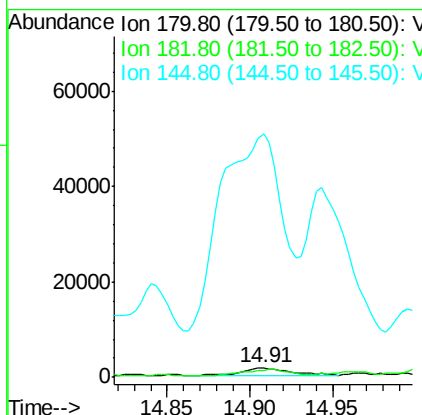
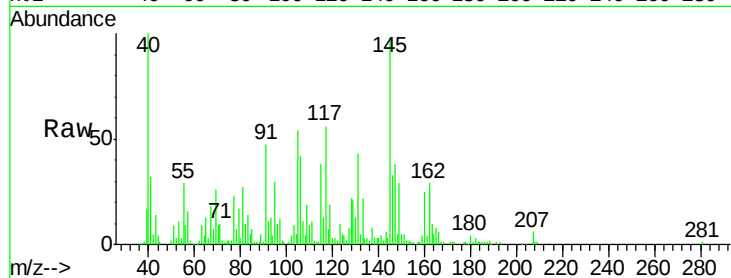




#93
 1,2,4-Trichlorobenzene
 Concen: 2.665 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 3335
 Ion Ratio Lower Upper
 180 100
 182 81.8 48.0 144.2
 145 3869.8 14.2 42.8#



#95
 Naphthalene
 Concen: 11.438 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Tgt Ion:128 Resp: 381216
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.1 15.1
 129 12.6 8.7 13.1

