

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008071.D
 Acq On : 07 Jan 2019 15:55
 Operator : SY/AP
 Sample : K1064-01RE
 Misc : 6.35G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P-1419-SRE

Quant Time: Jan 08 04:20:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	65609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	67177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	20079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	41151	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
35) Dibromofluoromethane	7.88	113	35006	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.32	98	120018	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.62	95	33295	32.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.90%	

Target Compounds

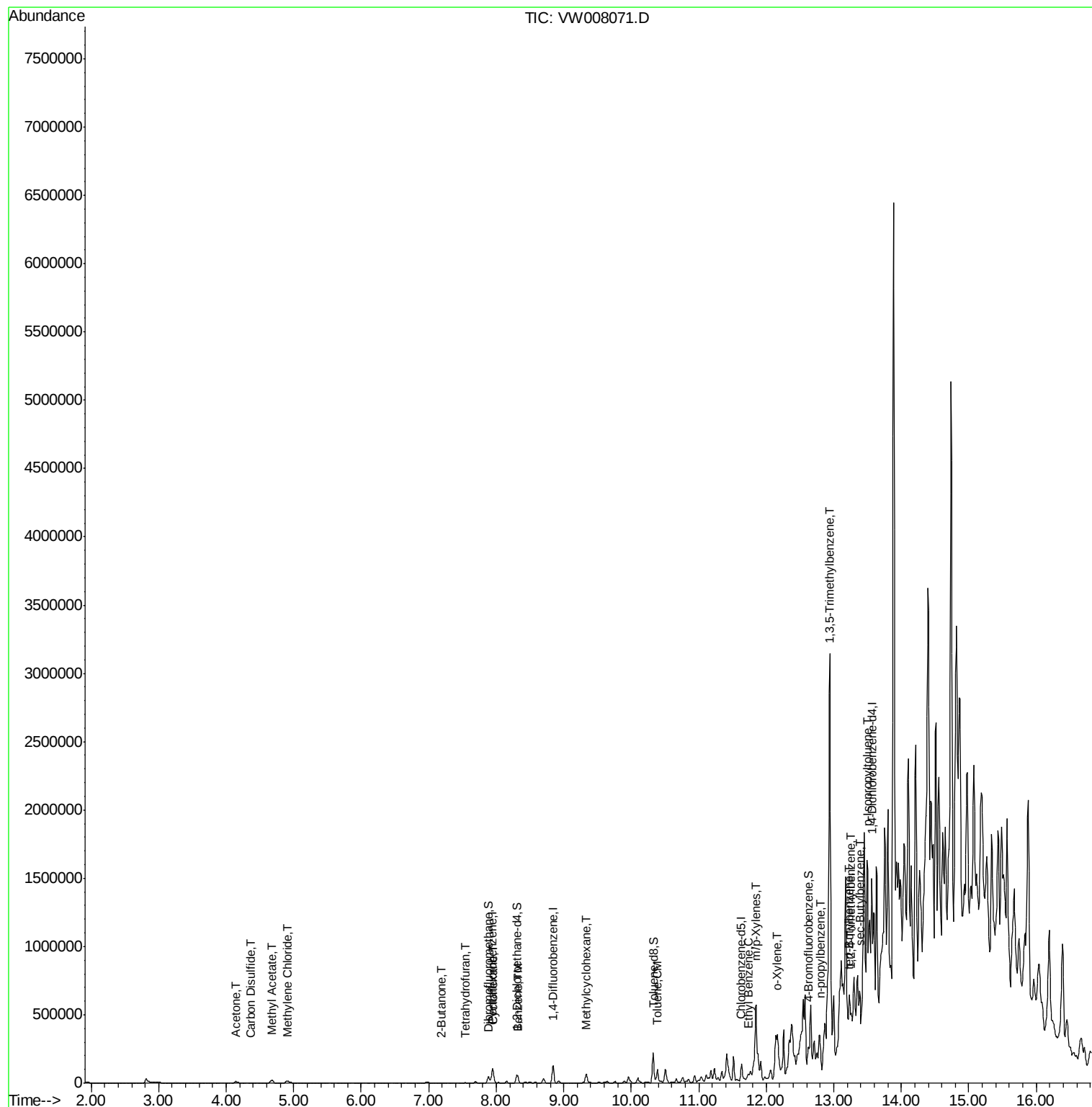
						Qvalue
16) Acetone	4.14	43	22301	198.529	ug/l	97
17) Carbon Disulfide	4.37	76	7707	3.830	ug/l #	89
18) Methyl Acetate	4.67	43	43208	148.321	ug/l	99
20) Methylene Chloride	4.91	84	12075	15.805	ug/l	98
25) 2-Butanone	7.20	43	2167	16.373	ug/l #	81
29) Tetrahydrofuran	7.54	42	2118	25.763	ug/l	93
31) Cyclohexane	7.96	56	11625	10.480	ug/l #	93
39) Methylcyclohexane	9.34	83	26392	19.264	ug/l	97
40) Benzene	8.32	78	18945	6.534	ug/l	99
52) Toluene	10.39	92	40837	21.334	ug/l	100
67) Ethyl Benzene	11.73	91	12859	5.046	ug/l #	86
68) m/p-Xylenes	11.84	106	17254	17.513	ug/l	89
69) o-Xylene	12.17	106	53936	58.835	ug/l	92
78) n-propylbenzene	12.80	91	15184	8.202	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.95	105	296998	216.103	ug/l	100
83) tert-Butylbenzene	13.21	119	32379	26.928	ug/l	89
84) 1,2,4-Trimethylbenzene	13.26	105	84162	60.459	ug/l	98
85) sec-Butylbenzene	13.39	105	20789	12.568	ug/l	85
86) p-Isopropyltoluene	13.51	119	129771	86.979	ug/l	97

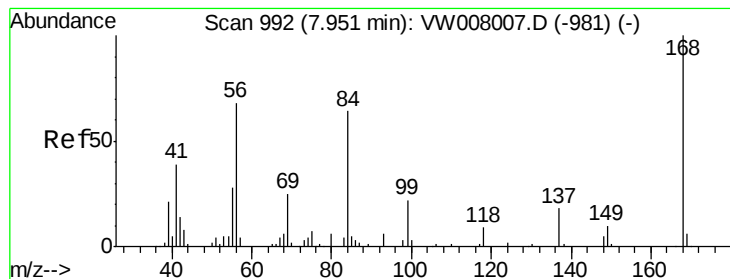
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

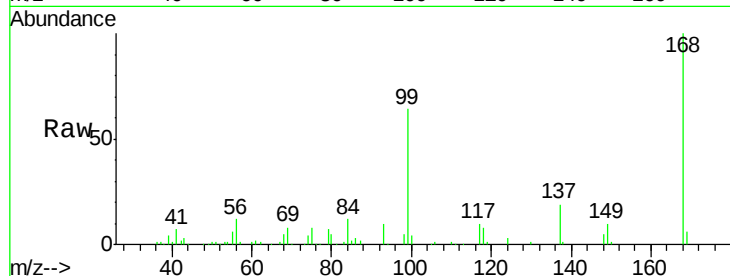
P-1419-SRE

Tot Ion:168 Resp: 65609

Ion Ratio Lower Upper

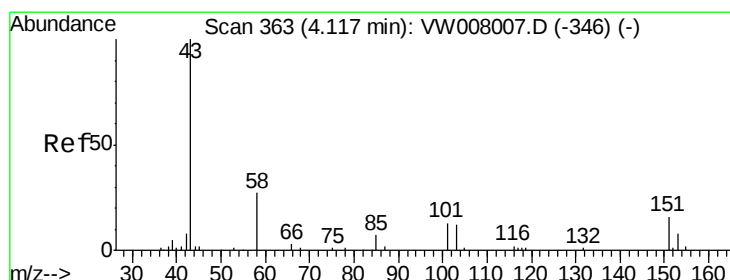
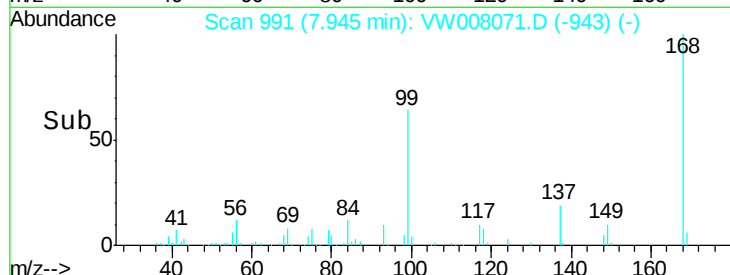
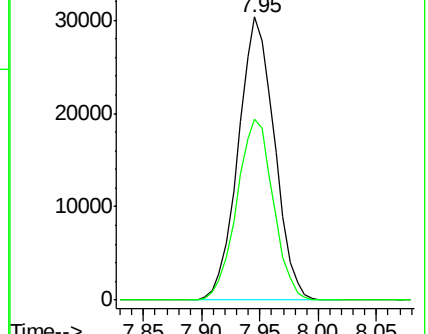
168 100

99 63.7 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 198.529 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW008071.D

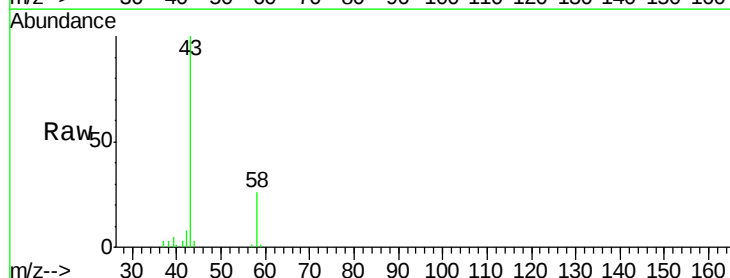
Acq: 07 Jan 2019 15:55

Tgt Ion: 43 Resp: 22301

Ion Ratio Lower Upper

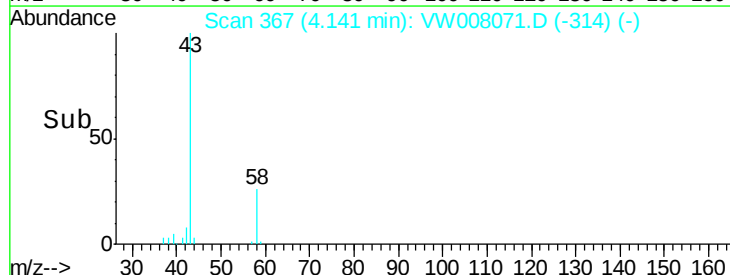
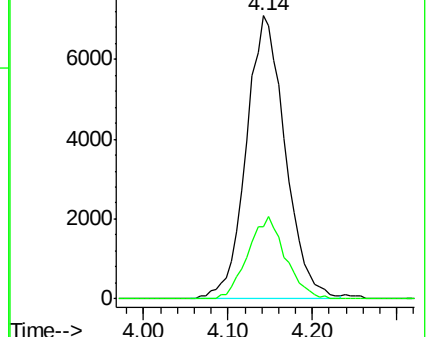
43 100

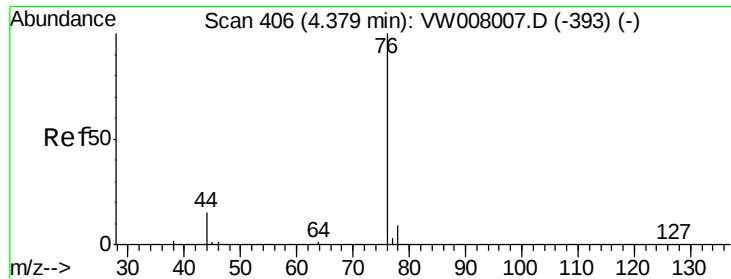
58 25.6 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

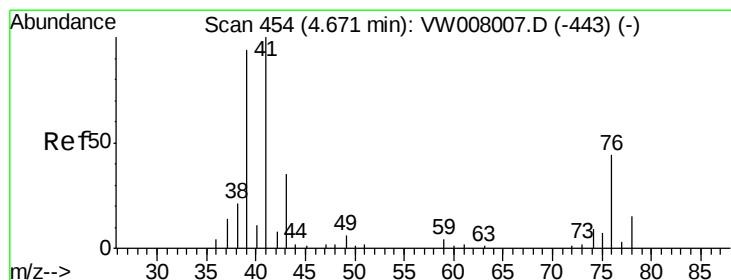
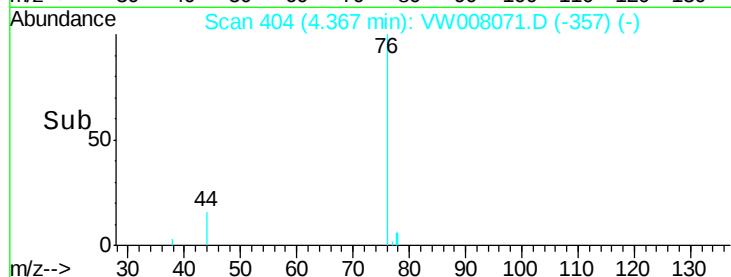
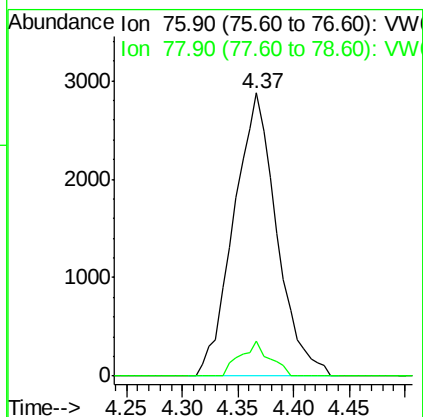
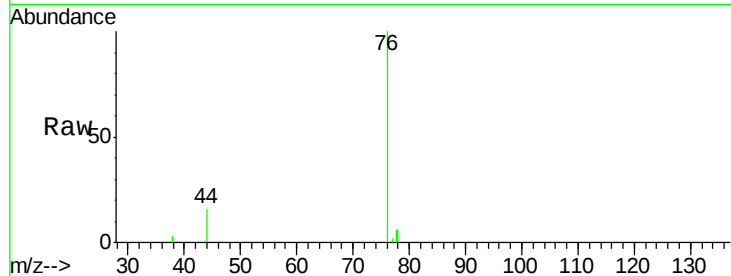




#17
Carbon Disulfide
Concen: 3.830 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

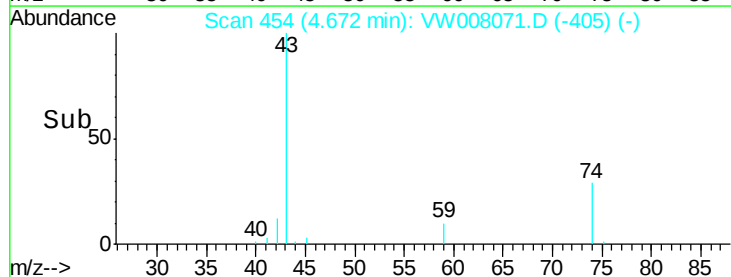
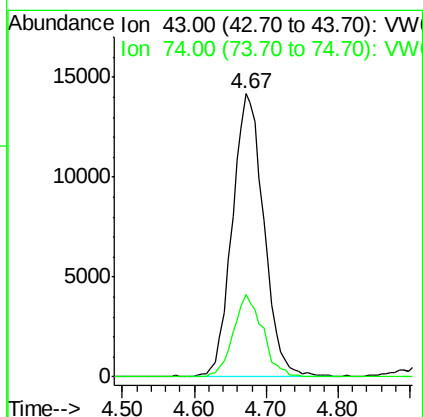
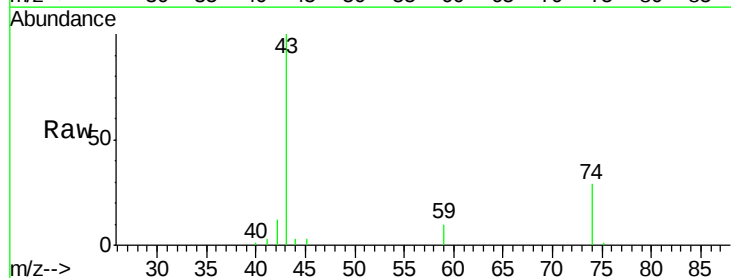
Instrument :
MSVOA_W
ClientSampleId :
P-1419-SRE

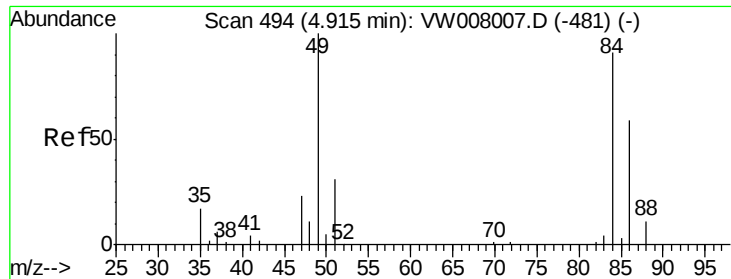
Tot Ion: 76 Resp: 7707
Ion Ratio Lower Upper
76 100
78 12.5 7.0 10.4#



#18
Methyl Acetate
Concen: 148.321 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

Tgt Ion: 43 Resp: 43208
Ion Ratio Lower Upper
43 100
74 27.1 21.4 32.2

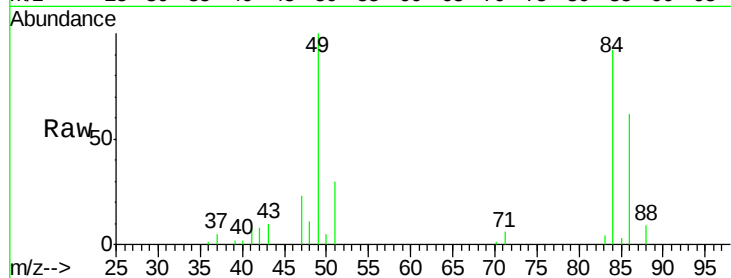




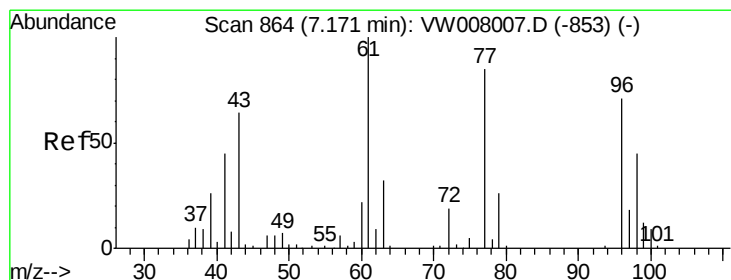
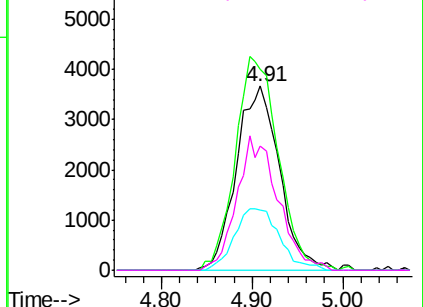
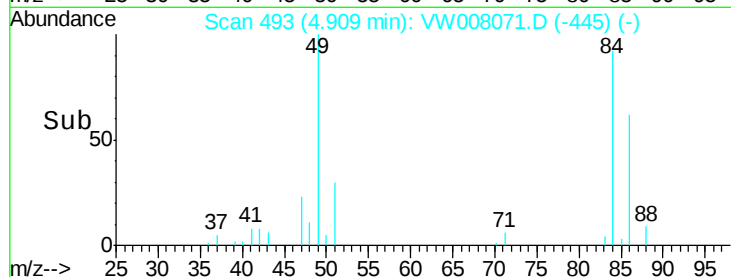
#20
Methvlene Chloride
Concen: 15.805 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
P-1419-SRE

Tot Ion: 84 Resp: 12075
Ion Ratio Lower Upper
84 100
49 109.2 87.7 131.5
51 32.8 27.3 40.9
86 67.2 51.4 77.0

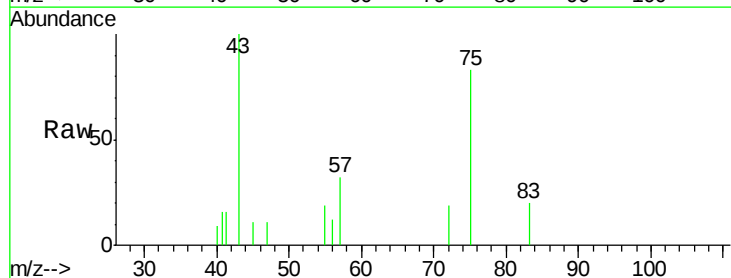


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

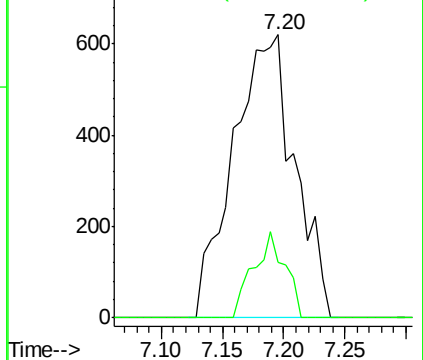
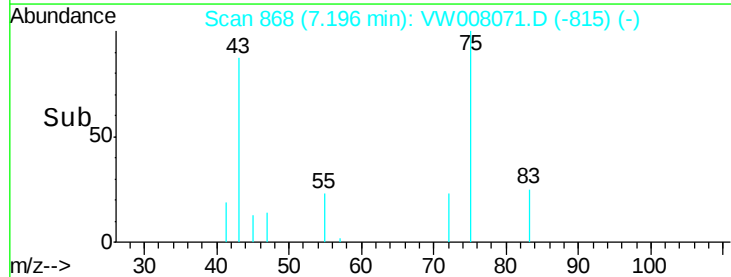


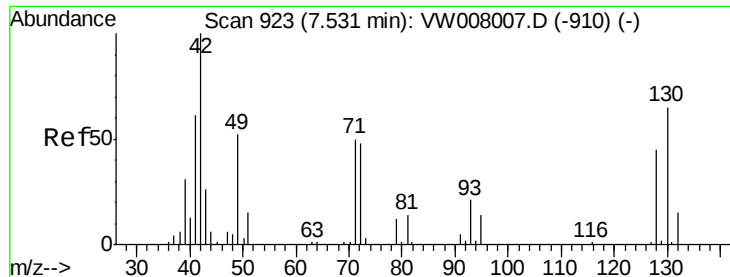
#25
2-Butanone
Concen: 16.373 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.02 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
72 19.4 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 25.763 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

P-1419-SRE

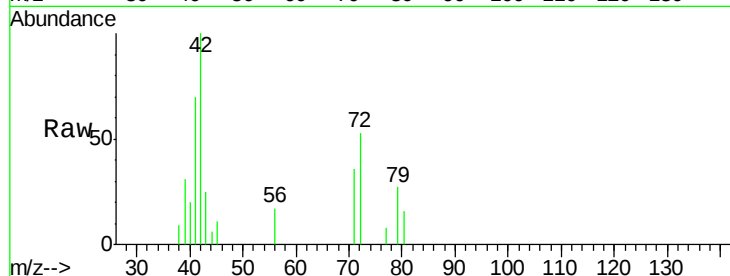
Tot Ion: 42 Resp: 2118

Ion Ratio Lower Upper

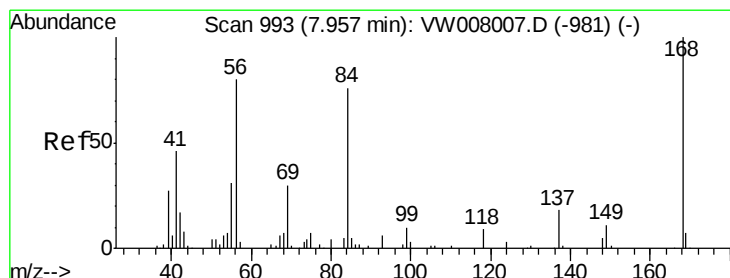
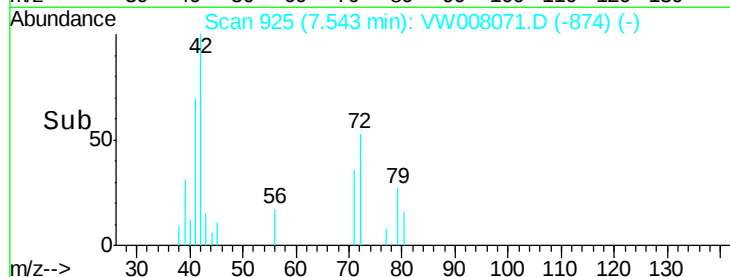
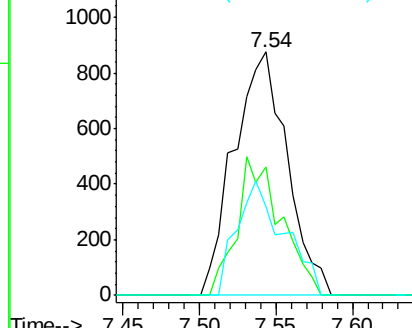
42 100

72 47.2 39.0 58.6

71 41.5 39.1 58.7



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 10.480 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

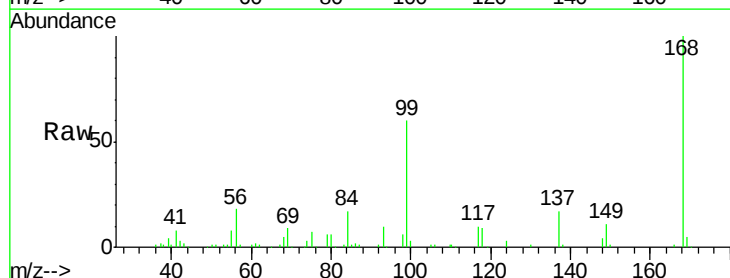
Tgt Ion: 56 Resp: 11625

Ion Ratio Lower Upper

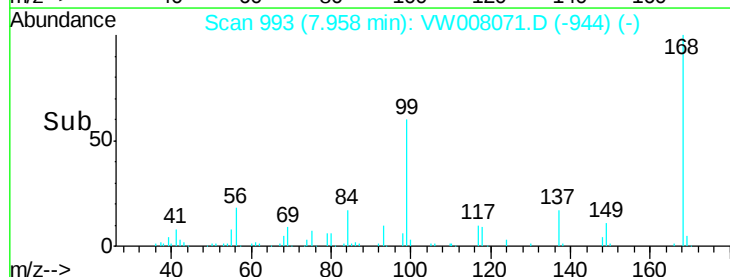
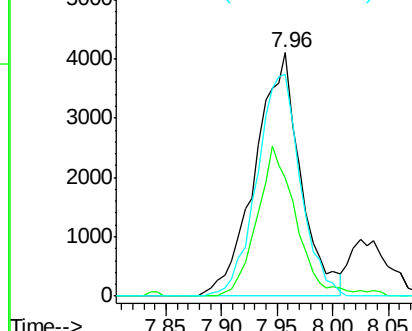
56 100

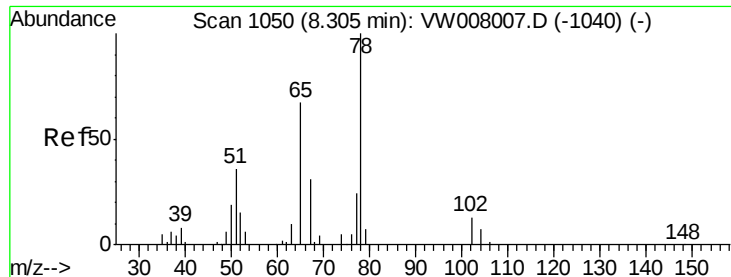
69 48.5 29.8 44.6#

84 91.2 75.2 112.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 56.707 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

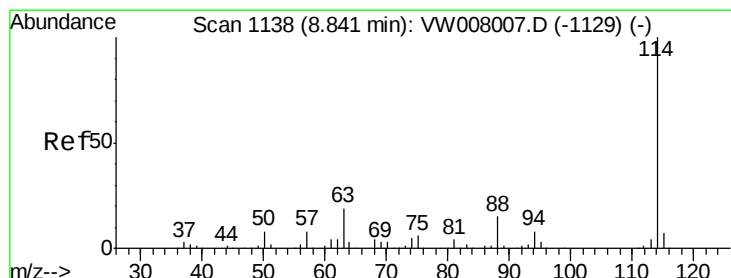
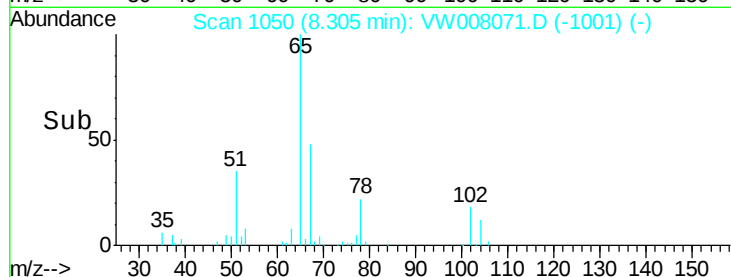
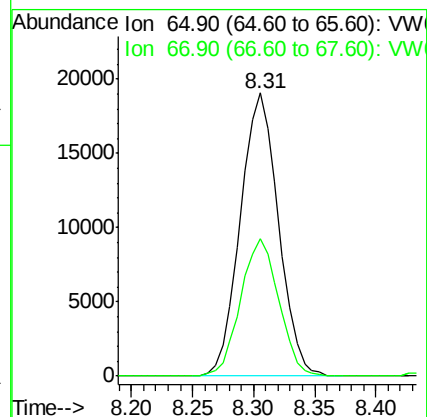
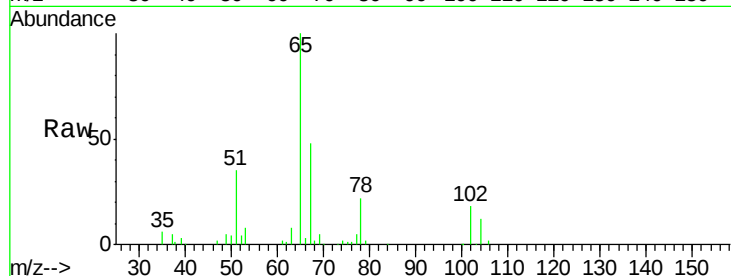
P-1419-SRE

Tot Ion: 65 Resp: 41151

Ion Ratio Lower Upper

65 100

67 48.7 0.0 94.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

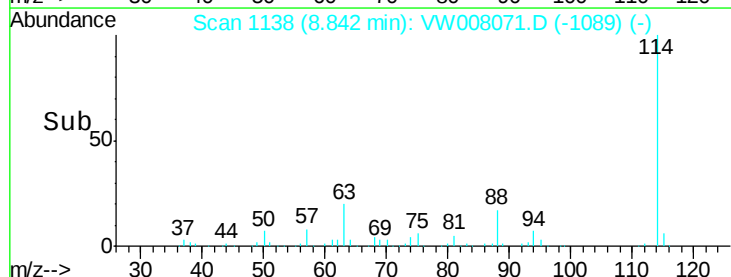
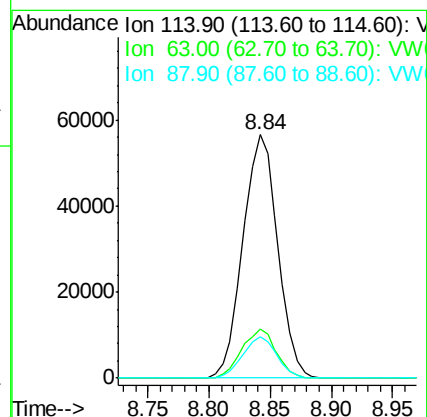
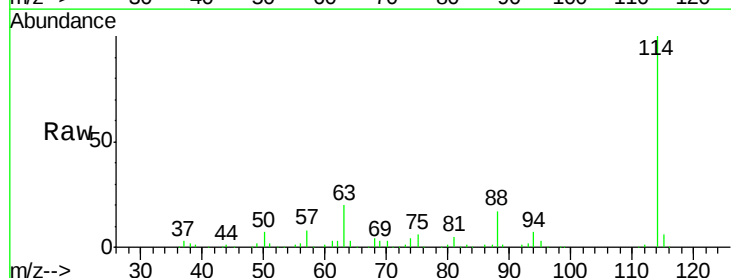
Tgt Ion: 114 Resp: 111419

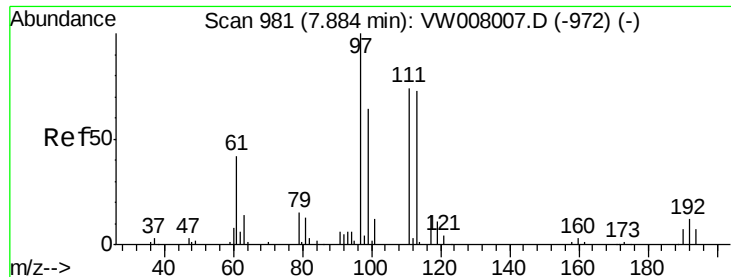
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.8

88 16.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.838 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

Instrument :

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ClientSampleId :

P-1419-SRE

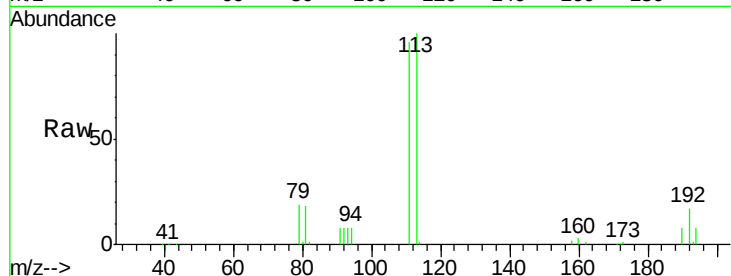
Tot Ion:113 Resp: 35006

Ion Ratio Lower Upper

113 100

111 100.6 81.4 122.0

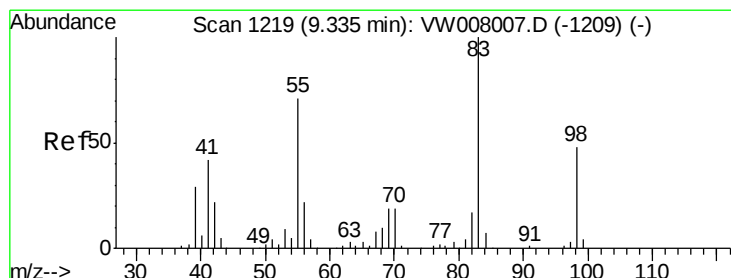
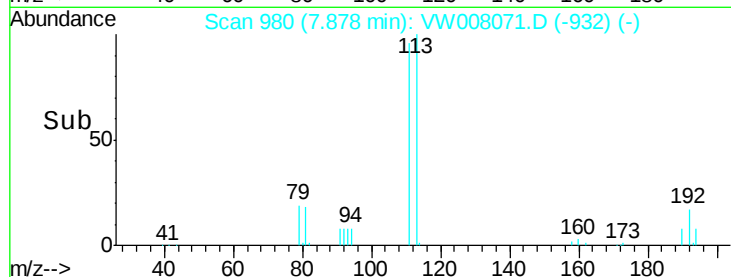
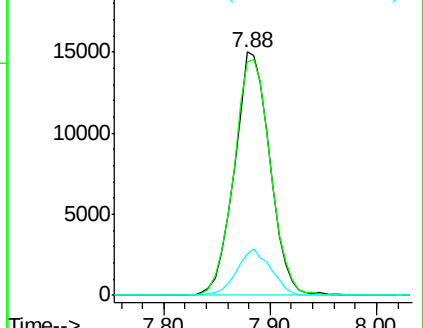
192 18.1 14.8 22.2



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



#39

Methylcyclohexane

Concen: 19.264 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

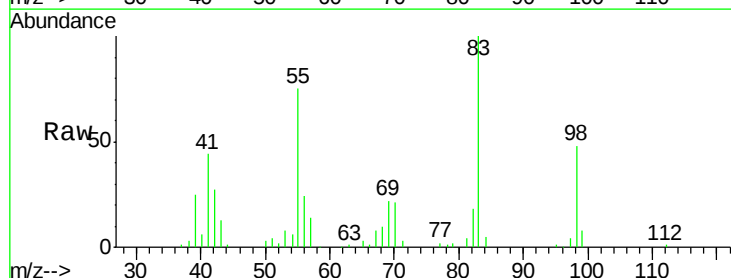
Tgt Ion: 83 Resp: 26392

Ion Ratio Lower Upper

83 100

55 74.9 56.8 85.2

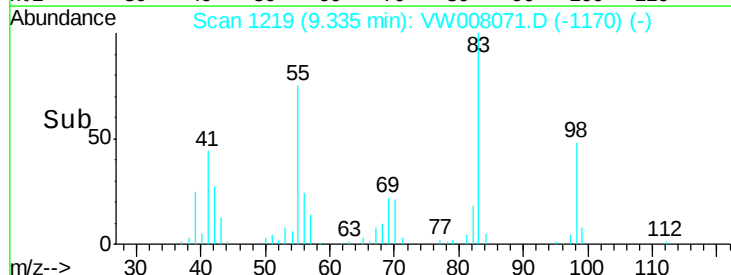
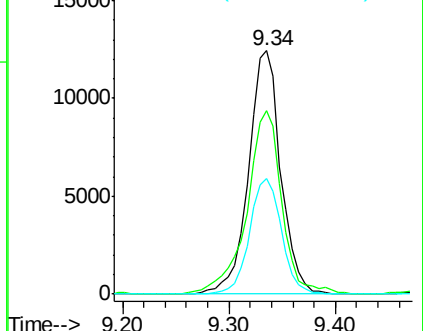
98 47.5 38.6 58.0

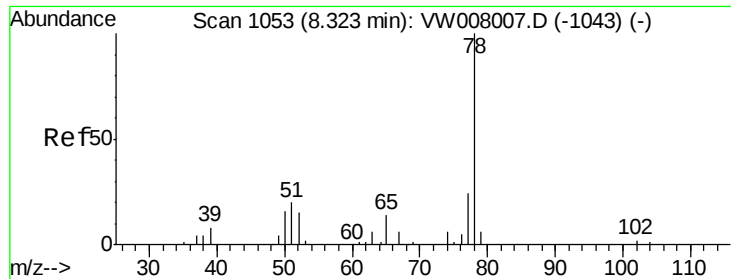


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 6.534 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

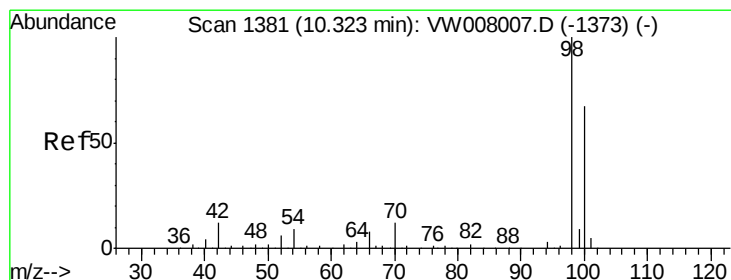
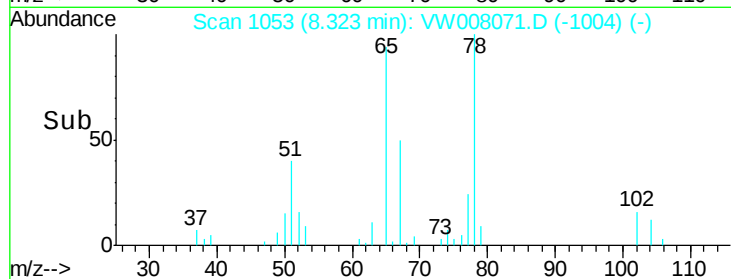
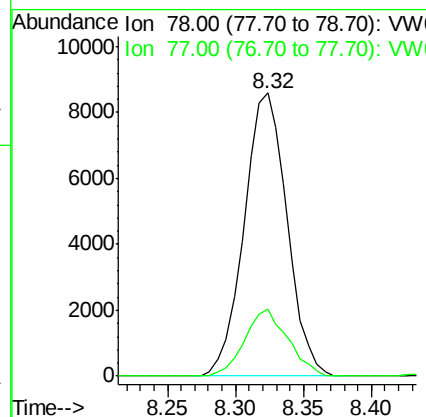
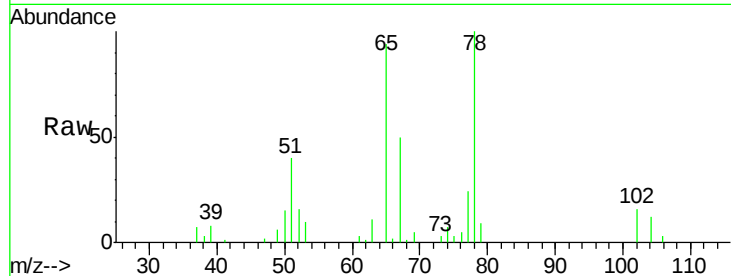
P-1419-SRE

Tot Ion: 78 Resp: 18945

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



#50

Toluene-d8

Concen: 45.551 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008071.D

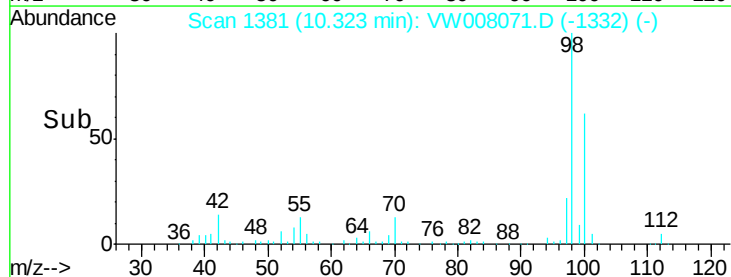
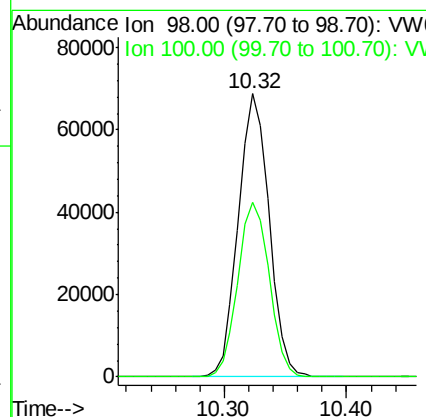
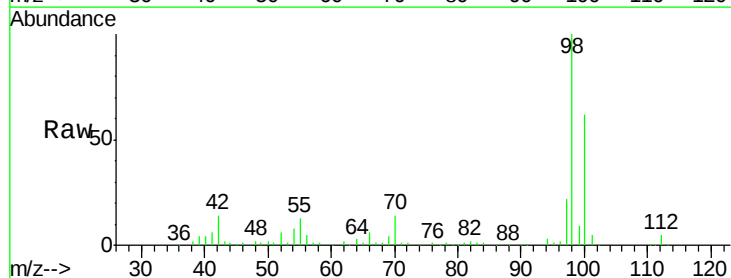
Acq: 07 Jan 2019 15:55

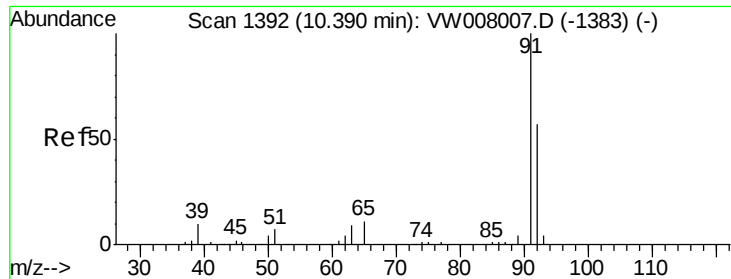
Tgt Ion: 98 Resp: 120018

Ion Ratio Lower Upper

98 100

100 62.9 52.9 79.3





#52

Toluene

Concen: 21.334 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

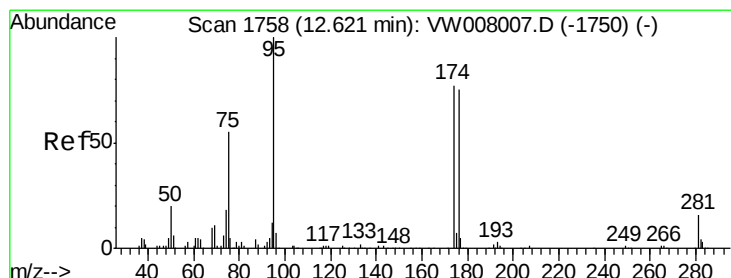
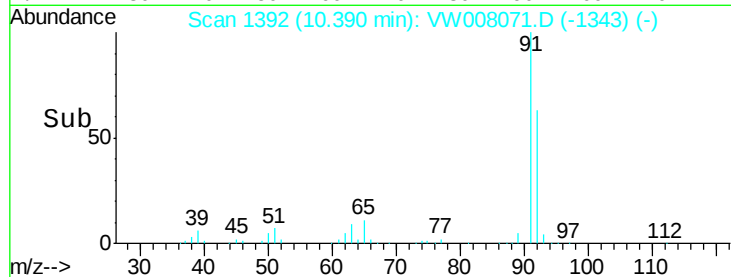
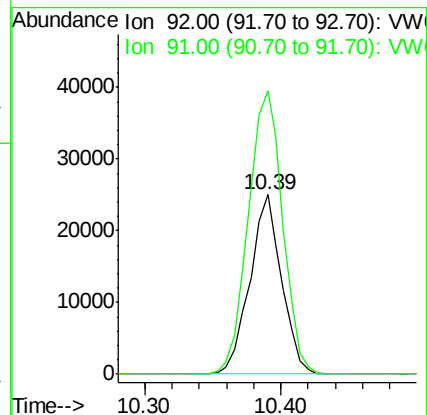
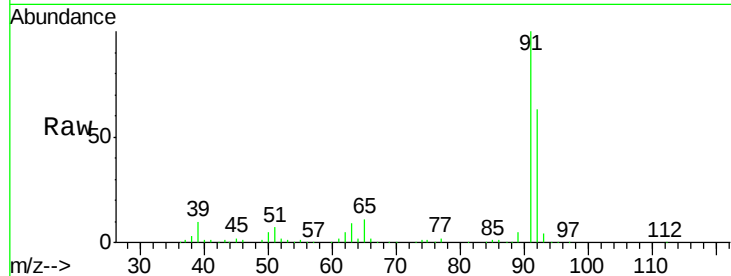
P-1419-SRE

Tot Ion: 92 Resp: 40837

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 32.950 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

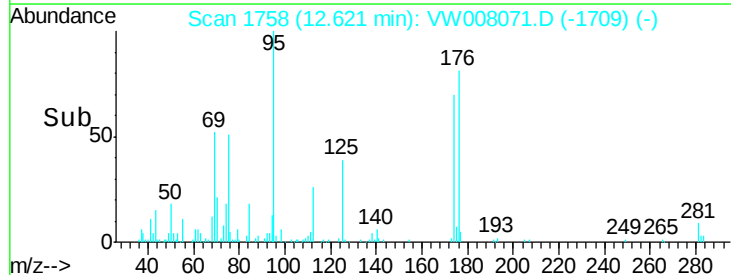
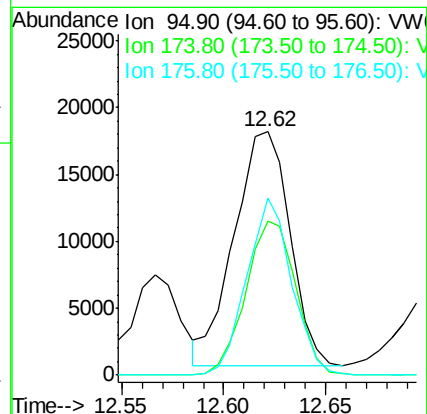
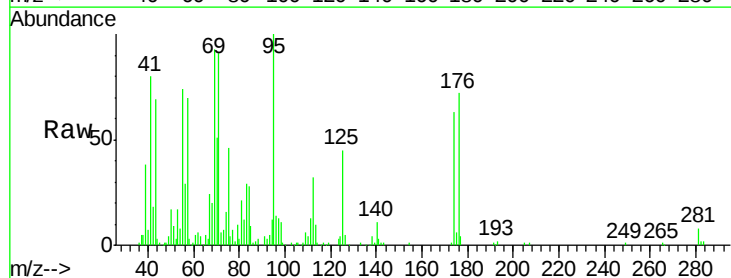
Tgt Ion: 95 Resp: 33295

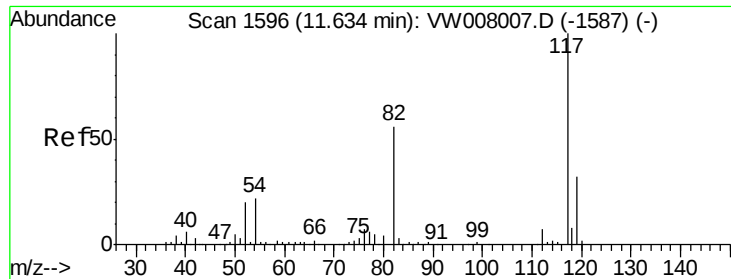
Ion Ratio Lower Upper

95 100

174 58.9 0.0 149.6

176 60.7 0.0 145.4

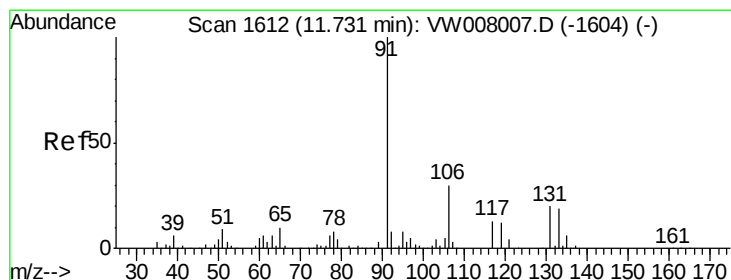
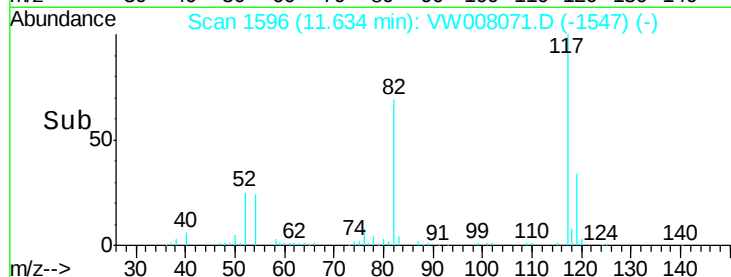
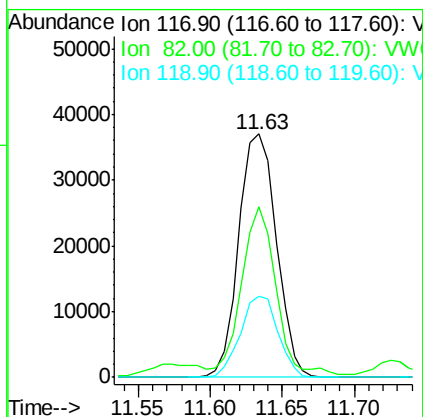
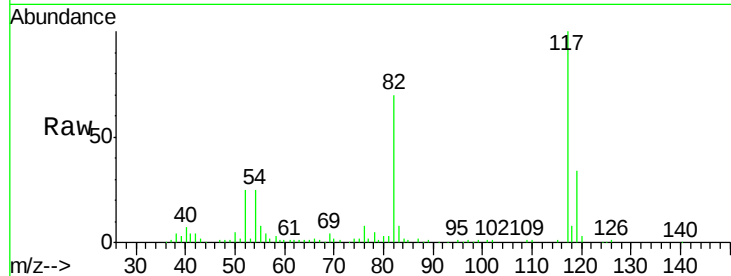




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

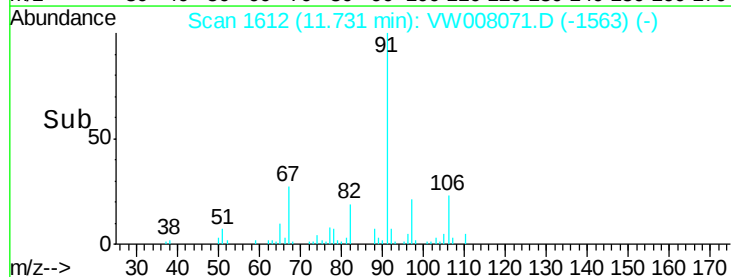
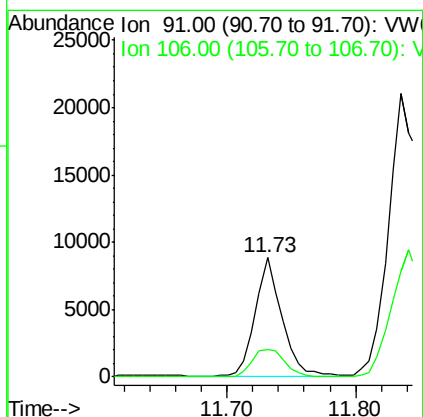
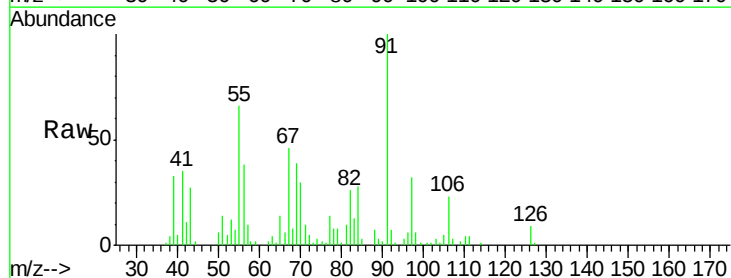
Instrument :
MSVOA_W
ClientSampled :
P-1419-SRE

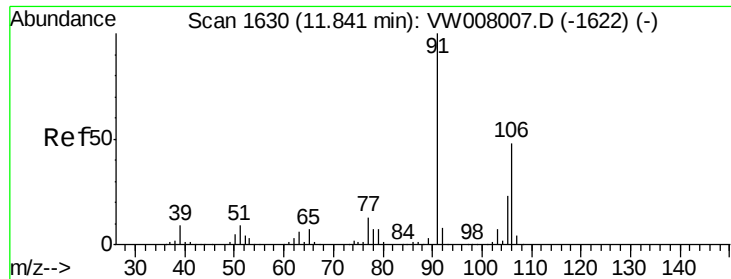
Tot Ion:117 Resp: 67177
Ion Ratio Lower Upper
117 100
82 68.9 44.8 67.2#
119 33.5 25.6 38.4



#67
Ethyl Benzene
Concen: 5.046 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

Tgt Ion: 91 Resp: 12859
Ion Ratio Lower Upper
91 100
106 22.5 24.3 36.5#

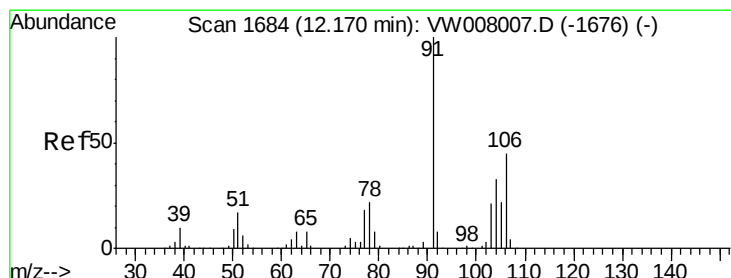
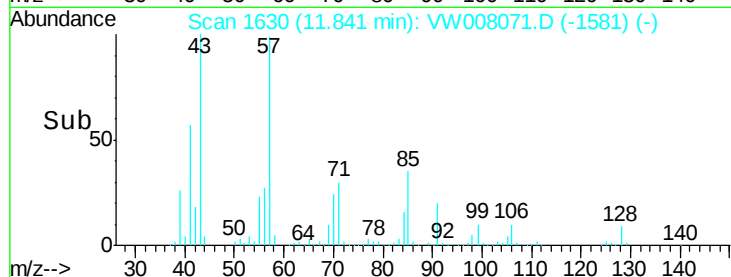
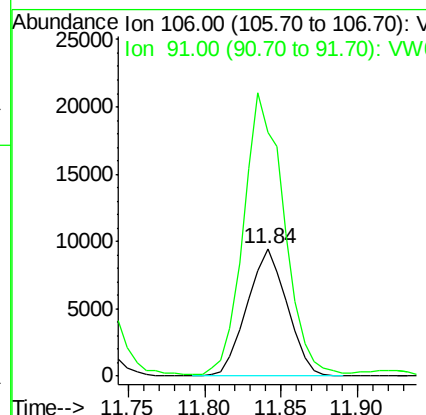
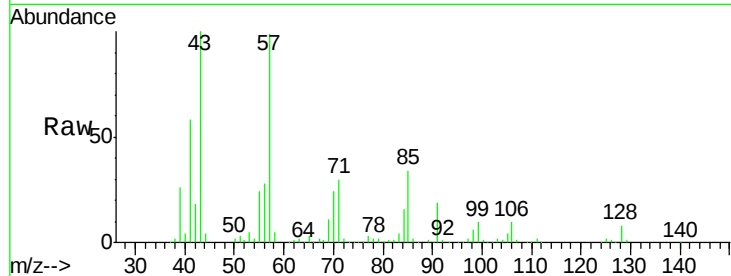




#68
m/p-Xylenes
Concen: 17.513 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

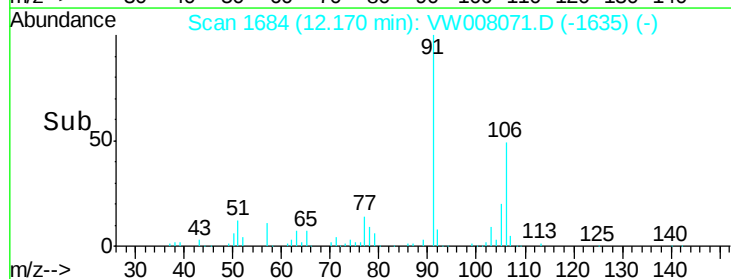
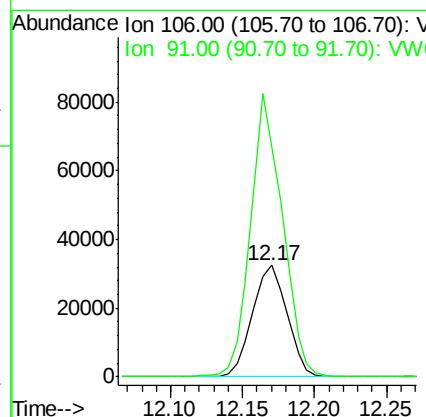
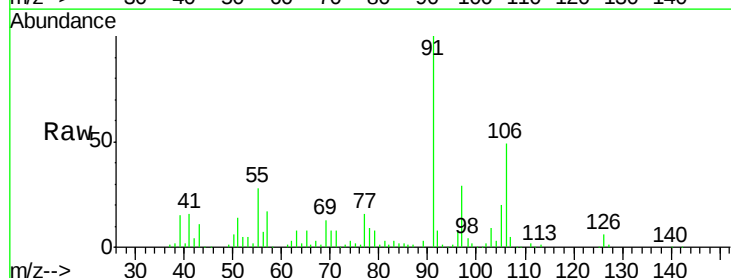
Instrument :
MSVOA_W
ClientSampled :
P-1419-SRE

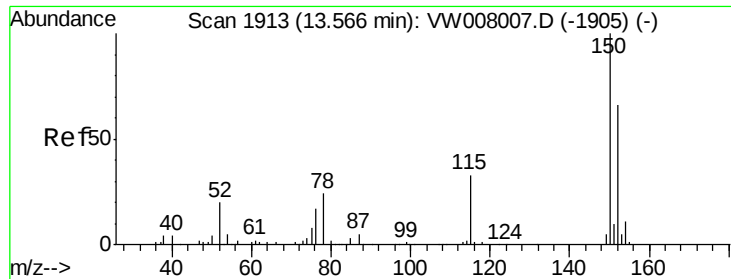
Tot Ion:106 Resp: 17254
Ion Ratio Lower Upper
106 100
91 225.1 165.8 248.8



#69
o-Xylene
Concen: 58.835 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

Tgt Ion:106 Resp: 53936
Ion Ratio Lower Upper
106 100
91 233.5 110.6 331.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW008071.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

P-1419-SRE

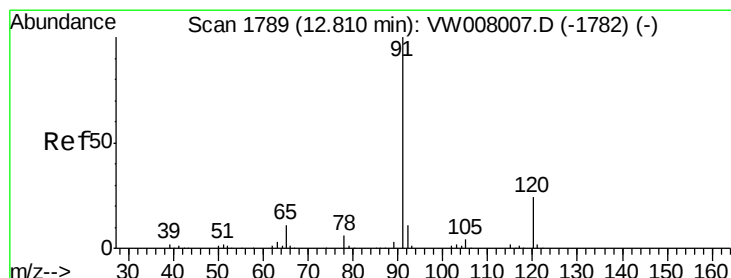
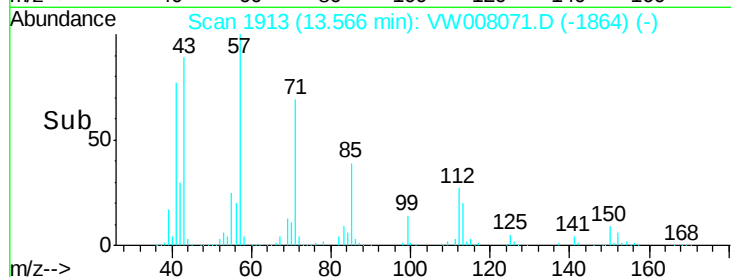
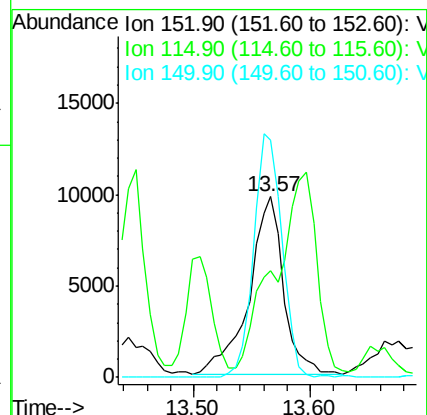
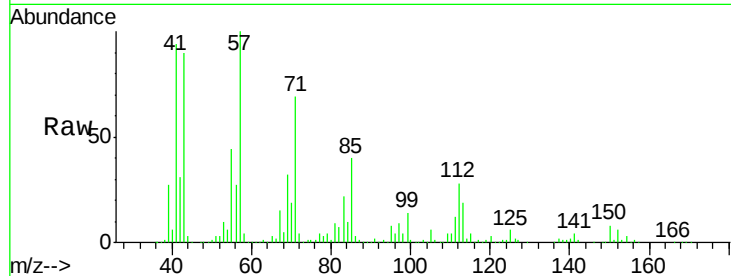
Tot Ion:152 Resp: 20079

Ion Ratio Lower Upper

152 100

115 0.0 32.1 96.5#

150 112.6 0.0 345.0



#78

n-propylbenzene

Concen: 8.202 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008071.D

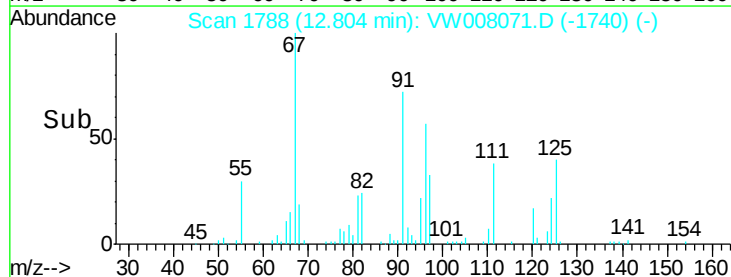
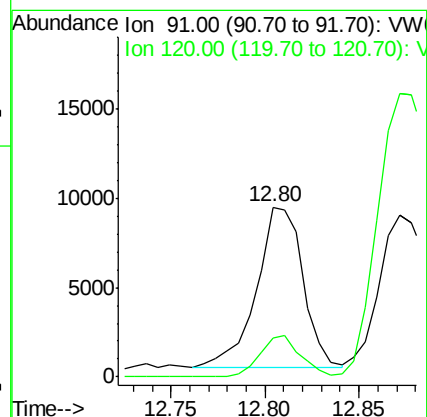
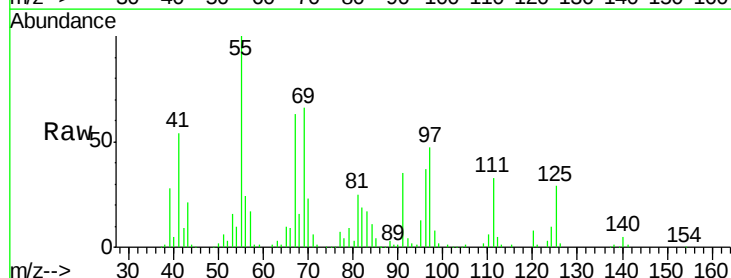
Acq: 07 Jan 2019 15:55

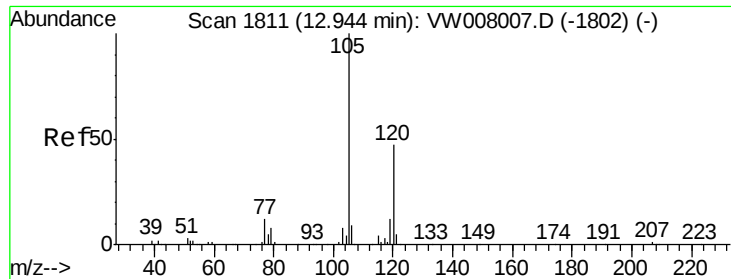
Tgt Ion: 91 Resp: 15184

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.5#

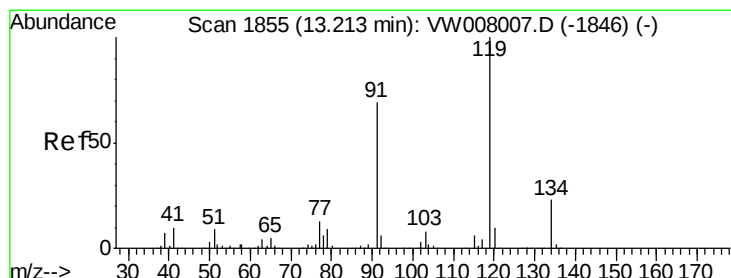
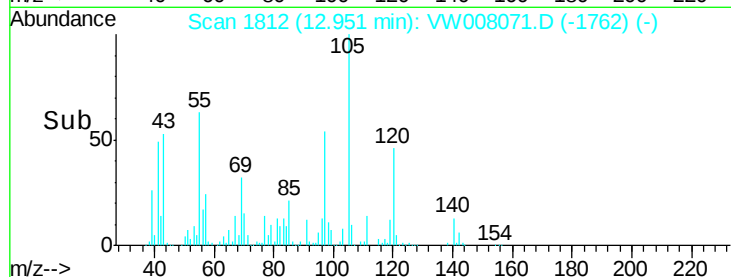
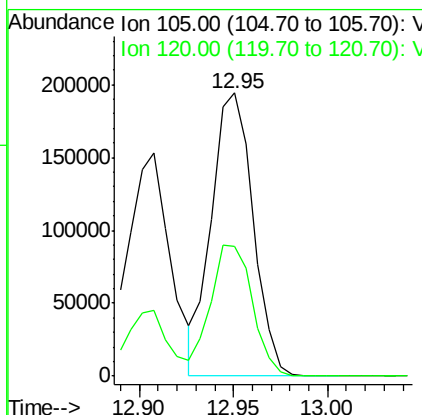
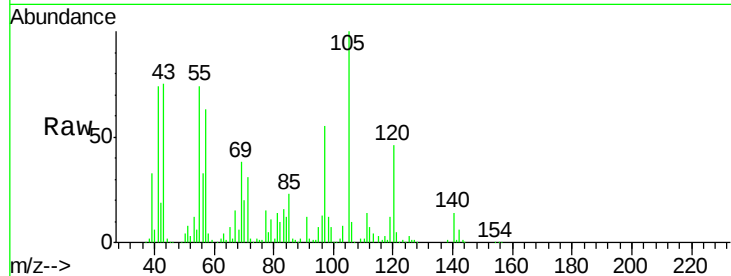




#80
1,3,5-Trimethylbenzene
Concen: 216.103 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

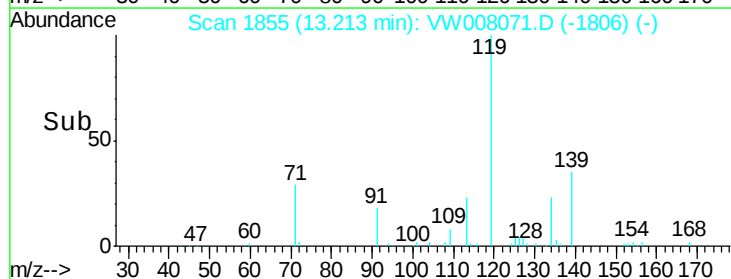
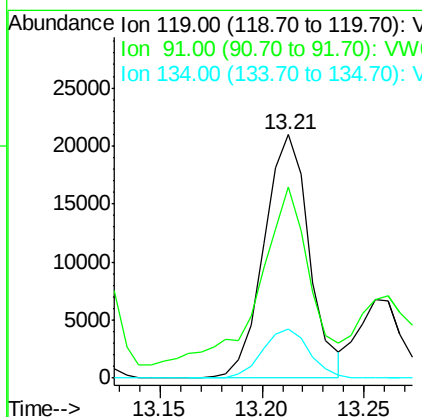
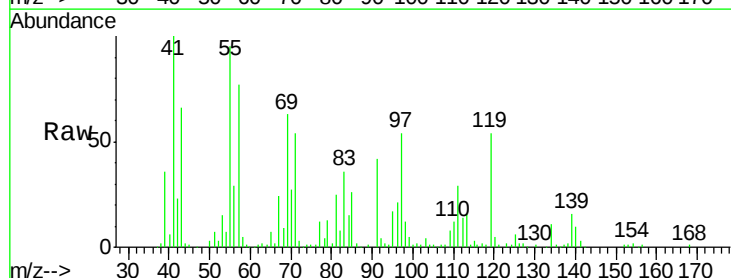
Instrument :
MSVOA_W
ClientSampled :
P-1419-SRE

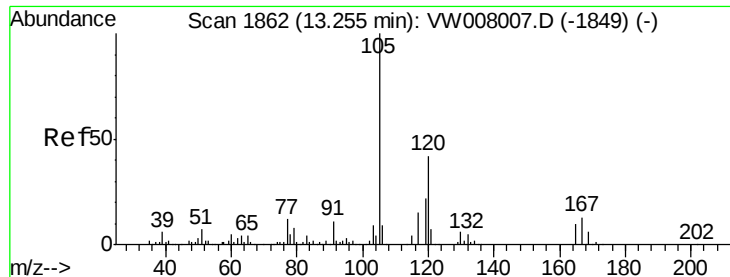
Tot Ion:105 Resp: 296998
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.9



#83
tert-Butylbenzene
Concen: 26.928 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008071.D
Acq: 07 Jan 2019 15:55

Tgt Ion:119 Resp: 32379
Ion Ratio Lower Upper
119 100
91 80.2 34.7 104.1
134 20.9 11.5 34.4

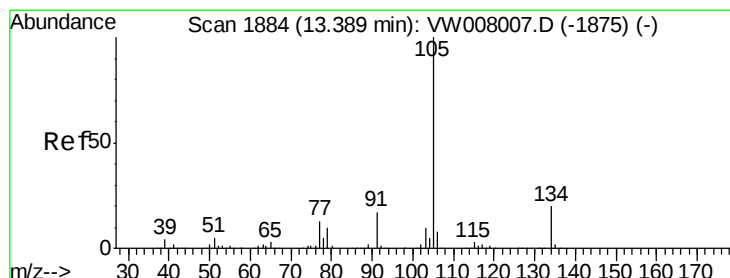
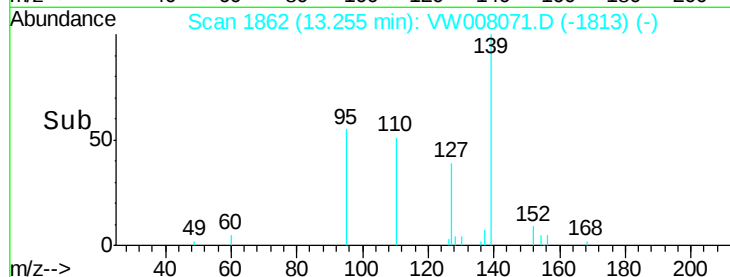
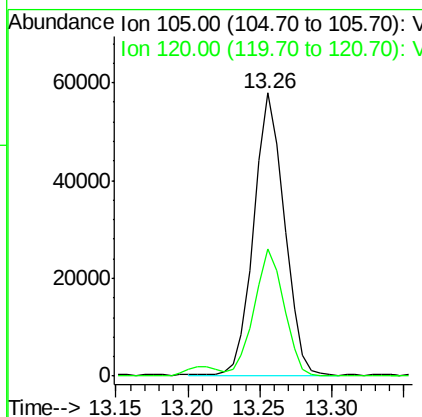
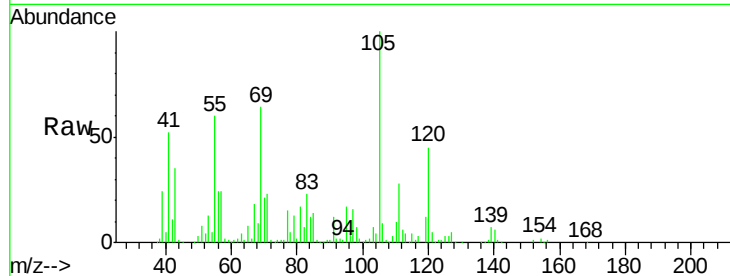




#84
 1,2,4-Trimethylbenzene
 Concen: 60.459 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008071.D
 Acq: 07 Jan 2019 15:55

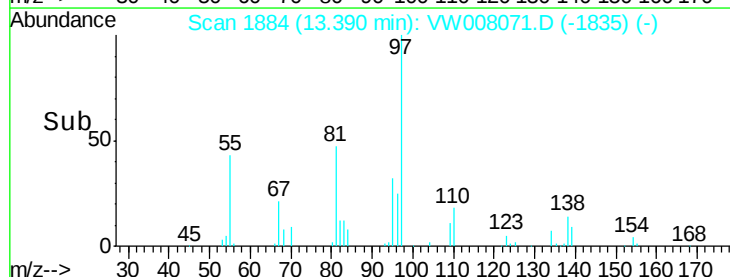
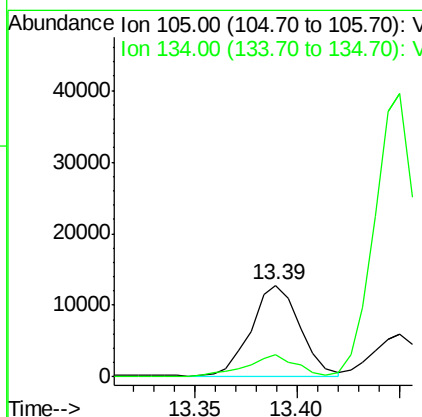
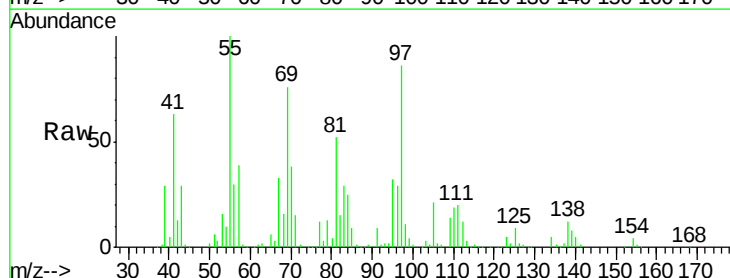
Instrument :
 MSVOA_W
 ClientSampleId :
 P-1419-SRE

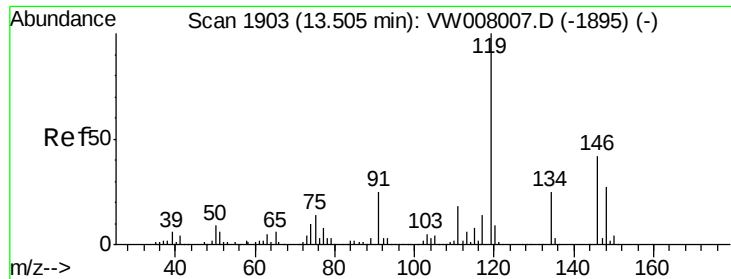
Tot Ion:105 Resp: 84162
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.5 64.5



#85
 sec-Butylbenzene
 Concen: 12.568 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008071.D
 Acq: 07 Jan 2019 15:55

Tgt Ion:105 Resp: 20789
 Ion Ratio Lower Upper
 105 100
 134 26.3 9.7 28.9





#86
 p-Isopropyltoluene
 Concen: 86.979 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008071.D
 Acq: 07 Jan 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 P-1419-SRE

Tot Ion:	119	Resp:	129771
Ion	Ratio	Lower	Upper
119	100		
134	24.0	12.5	37.5
91	24.6	13.1	39.3

