

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011366.D
 Acq On : 19 Jul 2019 06:59
 Operator : SY/VA
 Sample : K3835-27
 Misc : 4.97G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10(0-2)

Quant Time: Jul 19 08:51:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	208682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123640	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	146925	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	
35) Dibromofluoromethane	7.88	113	112118	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.32	98	456880	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.62	95	146786	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

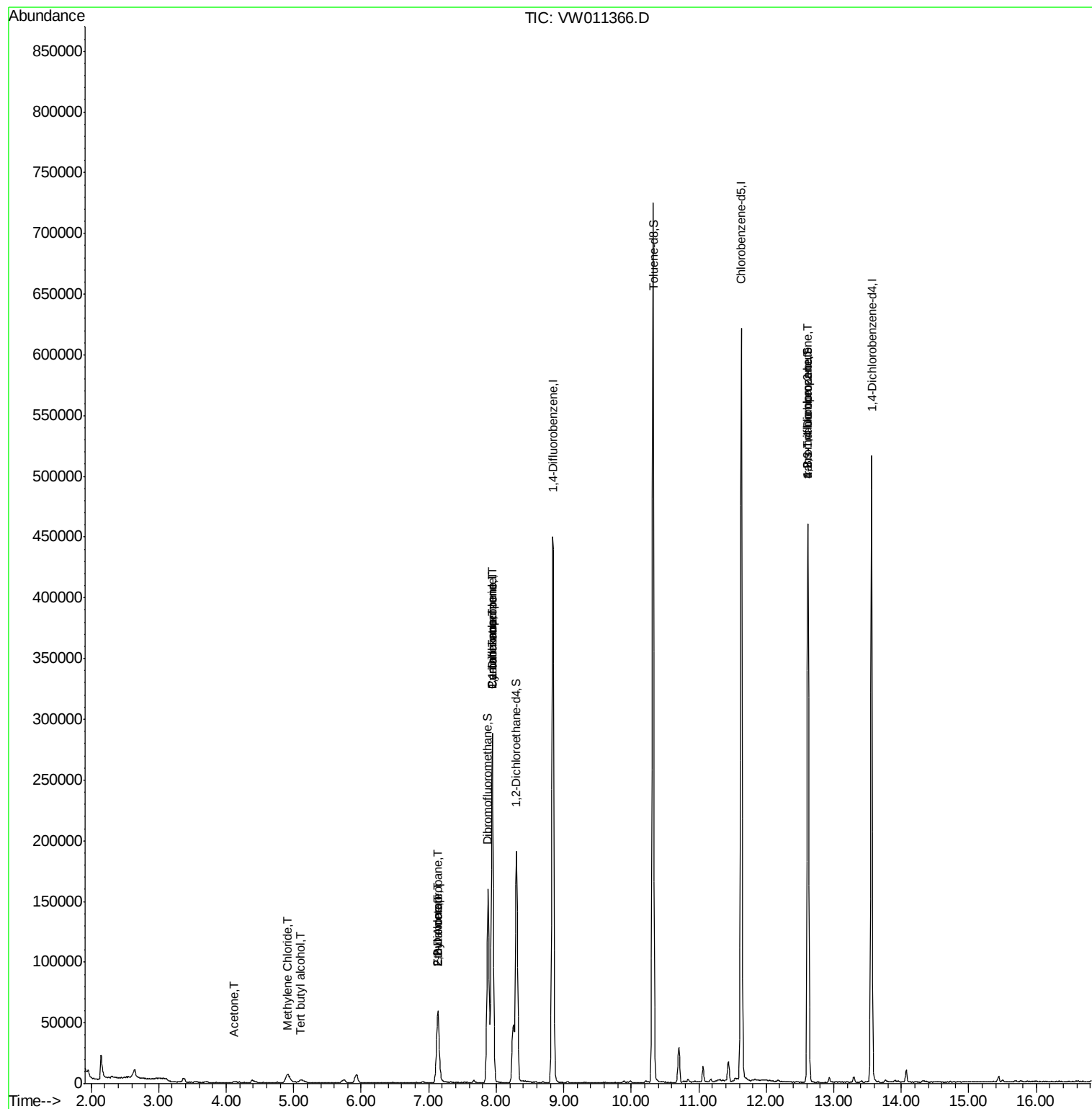
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	1872	9.643	ug/l #	73
16) Acetone	4.12	43	1991	3.156	ug/l	94
18) Methyl Acetate	4.65	43	202	Below Cal	#	57
20) Methylene Chloride	4.91	84	4687	1.883	ug/l	88
25) 2-Butanone	7.14	43	3732	3.768	ug/l #	89
26) 2,2-Dichloropropane	7.13	77	4016	1.618	ug/l #	53
31) Cyclohexane	7.94	56	5481	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18091	4.728	ug/l #	50
37) Ethyl Acetate	7.14	43	3732	1.623	ug/l #	1
38) Carbon Tetrachloride	7.94	117	21254	6.553	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	78181	54.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78181	123.760	ug/l #	6

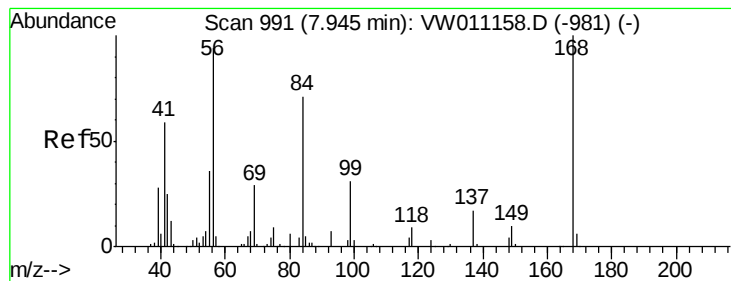
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

Instrument :

MSVOA_W

ClientSampled :

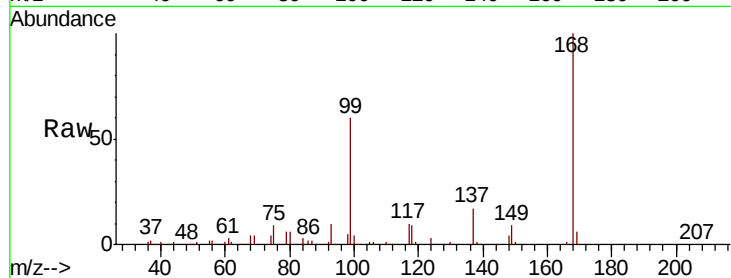
SB-10(0-2)

Tot Ion:168 Resp: 208682

Ion Ratio Lower Upper

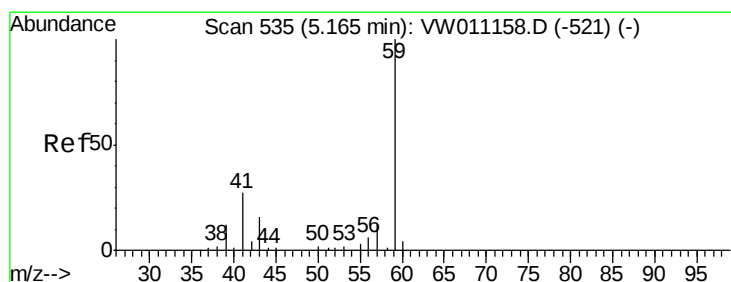
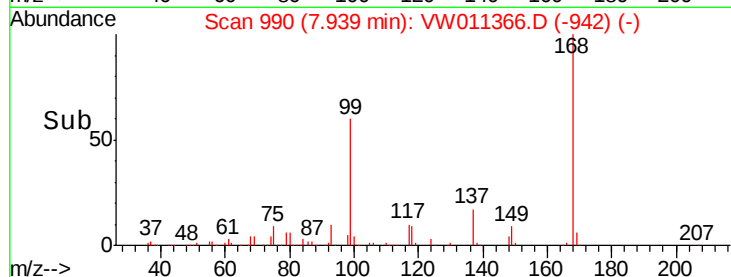
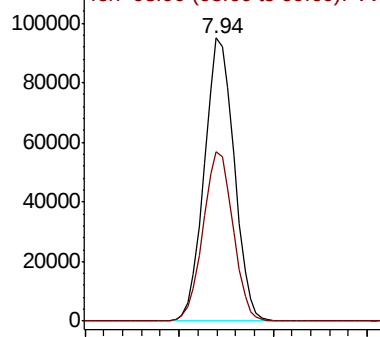
168 100

99 59.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 9.643 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW011366.D

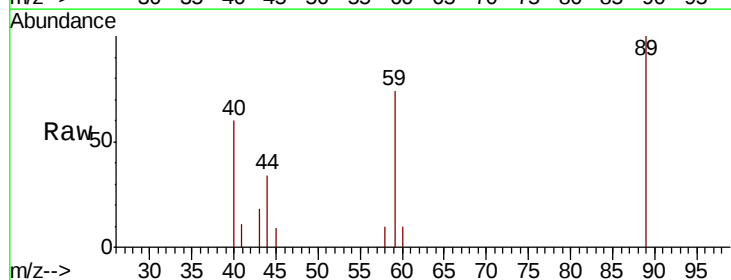
Acq: 19 Jul 2019 06:59

Tgt Ion: 59 Resp: 1872

Ion Ratio Lower Upper

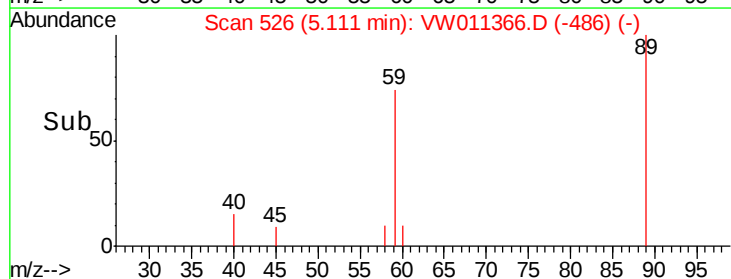
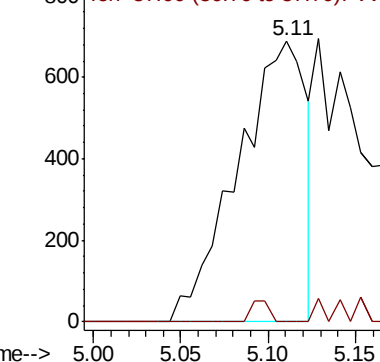
59 100

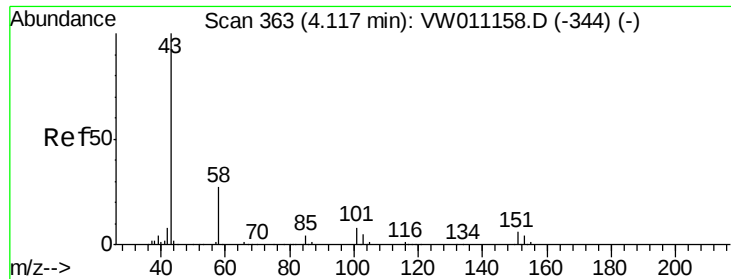
57 1.1 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.156 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

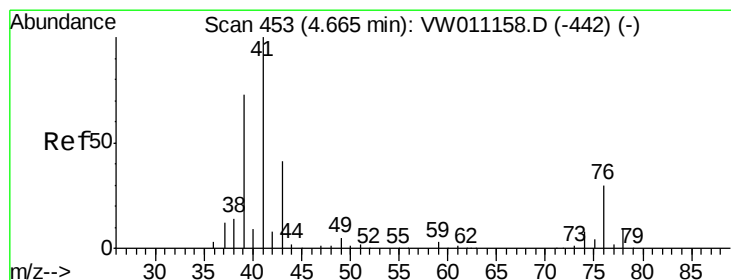
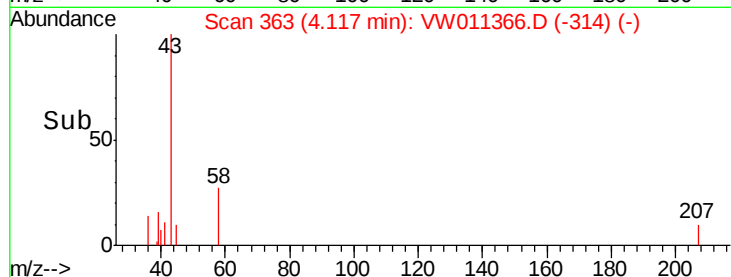
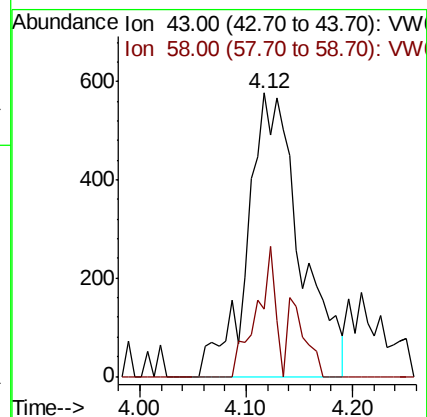
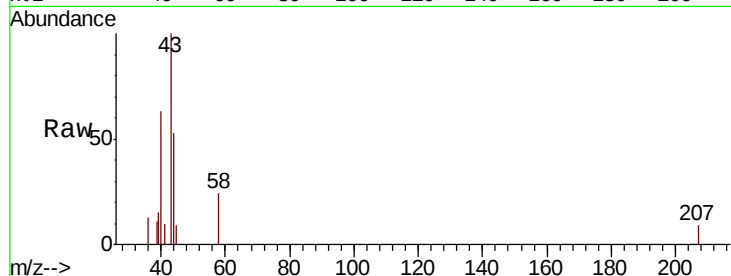
SB-10(0-2)

Tot Ion: 43 Resp: 1991

Ion Ratio Lower Upper

43 100

58 23.9 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011366.D

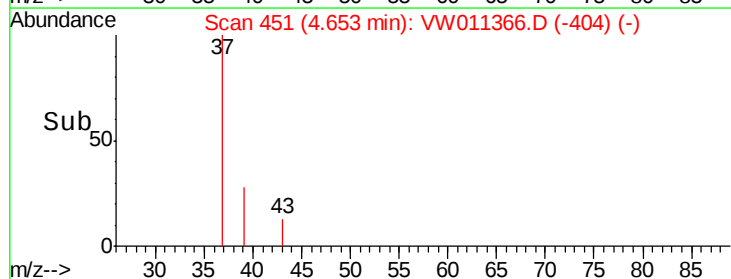
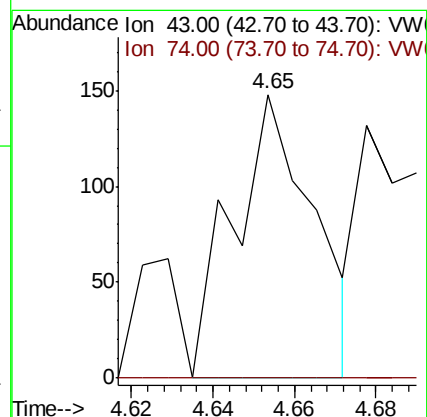
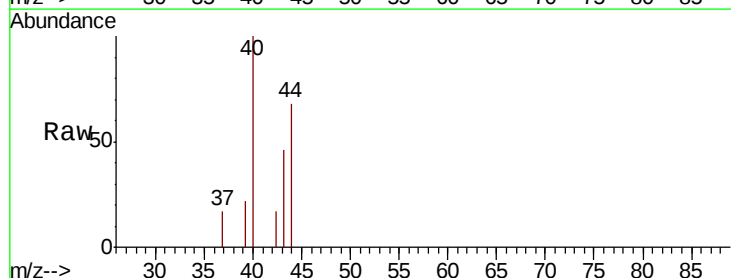
Acq: 19 Jul 2019 06:59

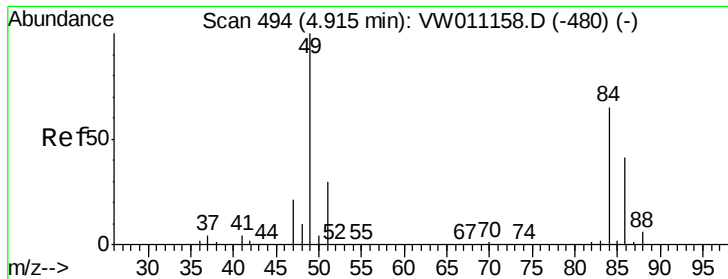
Tgt Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

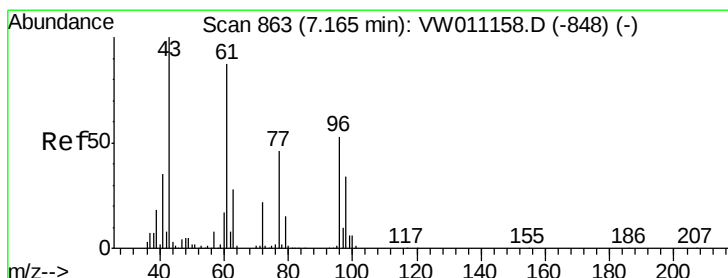
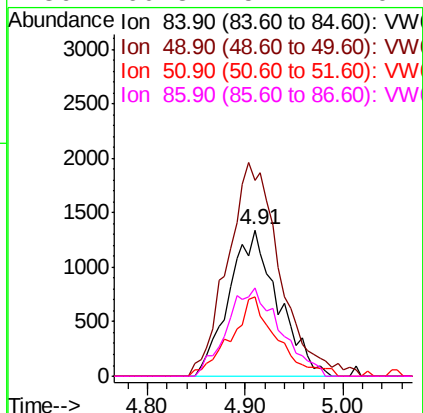
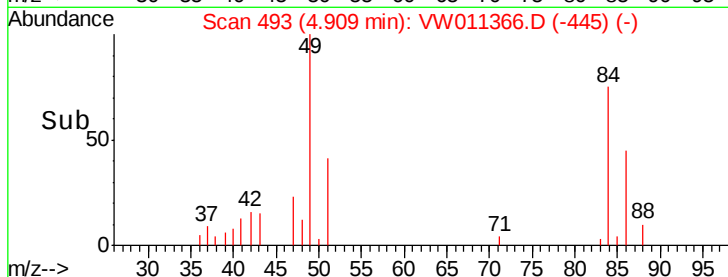
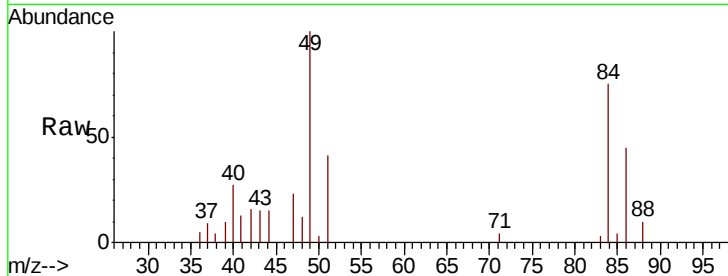




#20
Methvlene Chloride
Concen: 1.883 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011366.D
Acq: 19 Jul 2019 06:59

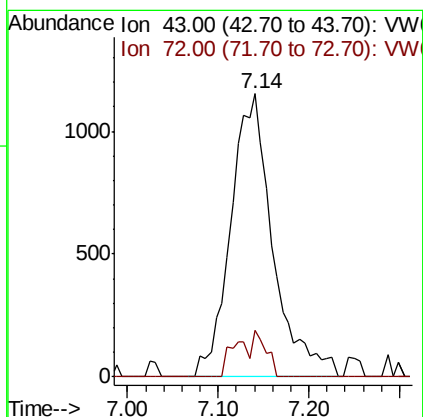
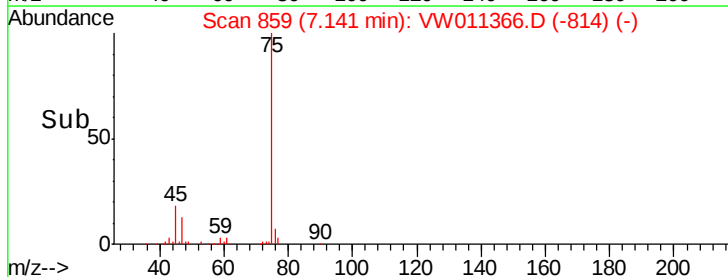
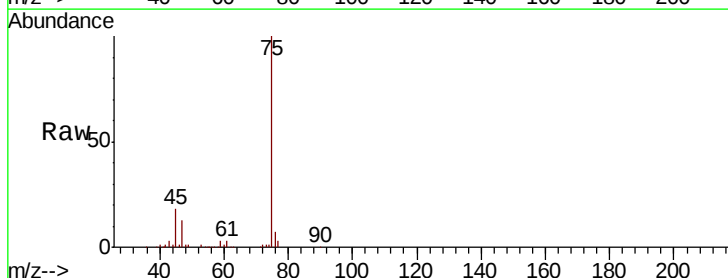
Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-2)

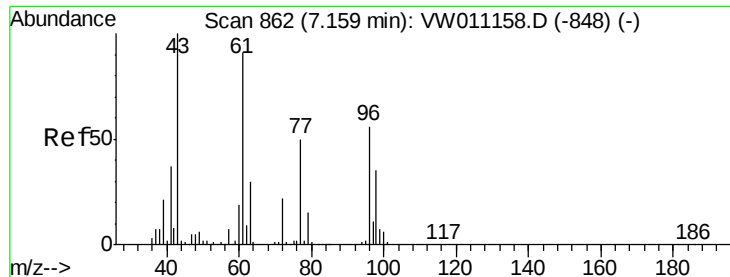
Tot Ion:	84	Resp:	4687
Ion	Ratio	Lower	Upper
84	100		
49	133.9	123.8	185.6
51	54.5	37.4	56.2
86	60.8	51.1	76.7



#25
2-Butanone
Concen: 3.768 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011366.D
Acq: 19 Jul 2019 06:59

Tgt Ion:	43	Resp:	3732
Ion	Ratio	Lower	Upper
43	100		
72	16.6	17.6	26.4#





#26

2,2-Dichloropropane

Concen: 1.618 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

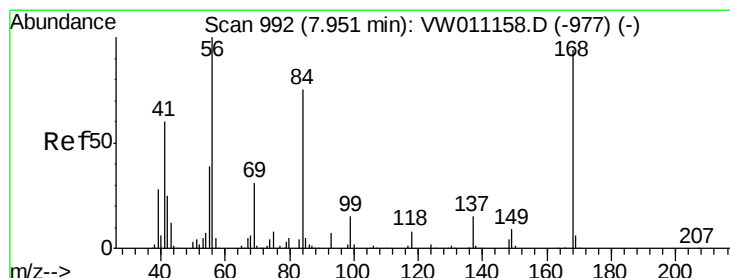
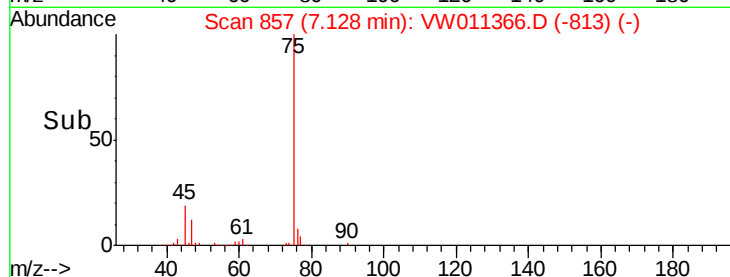
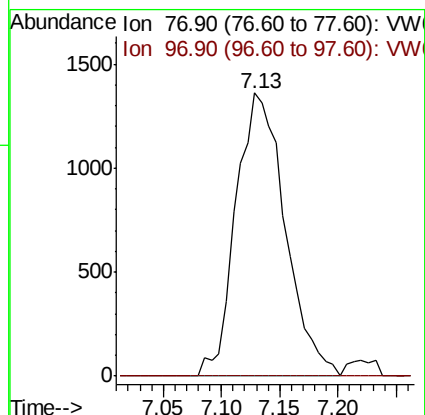
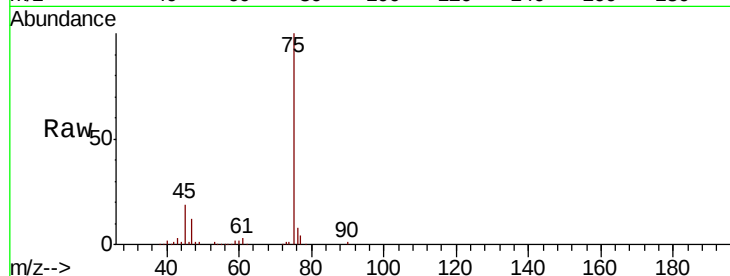
SB-10(0-2)

Tot Ion: 77 Resp: 4016

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

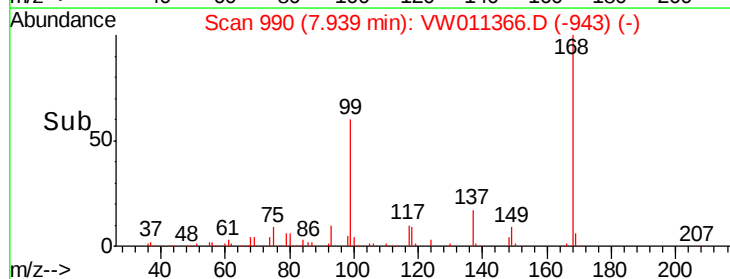
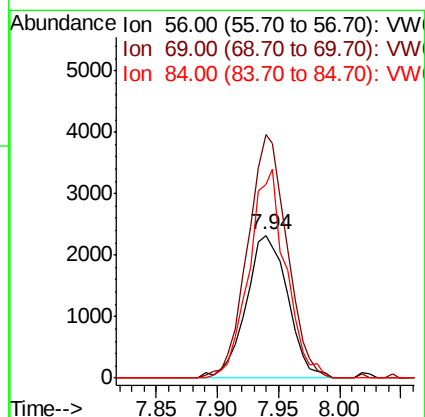
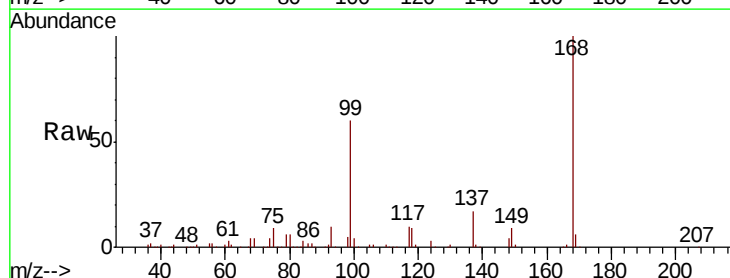
Tgt Ion: 56 Resp: 5481

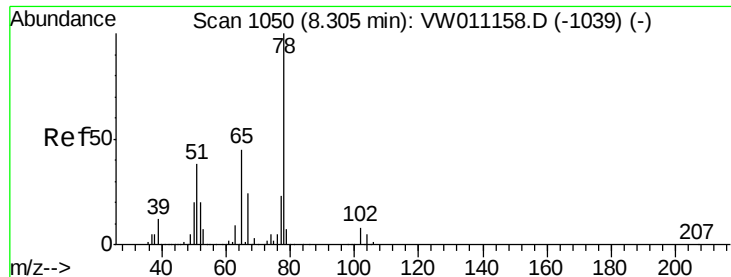
Ion Ratio Lower Upper

56 100

69 170.4 24.6 36.8#

84 135.7 60.1 90.1#

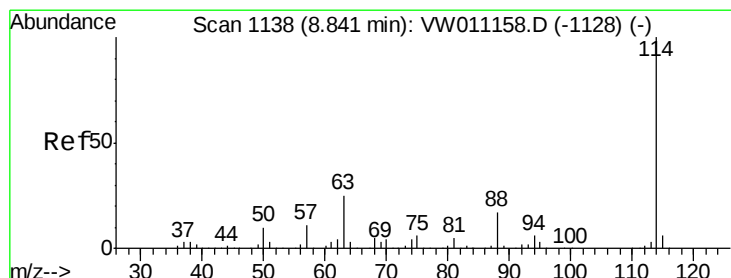
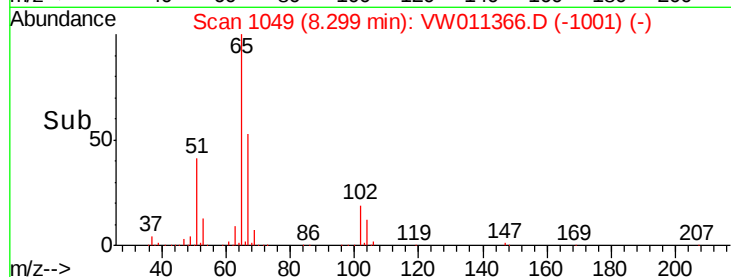
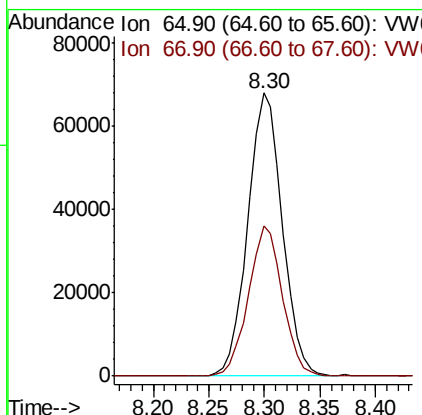
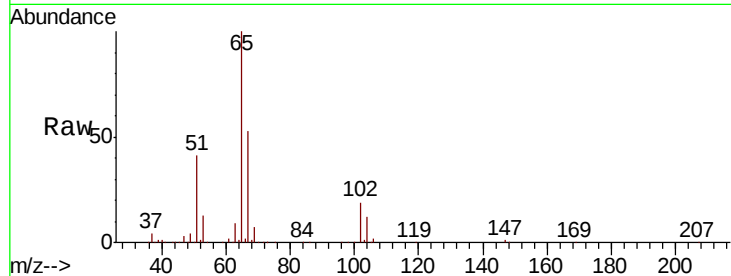




#33
 1,2-Dichloroethane-d4
 Concen: 56.032 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011366.D
 Acq: 19 Jul 2019 06:59

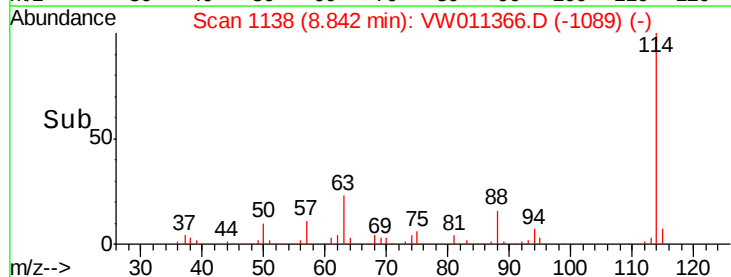
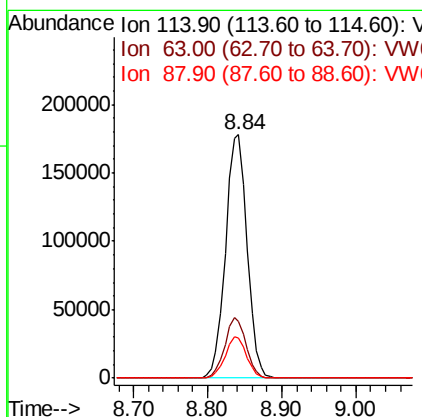
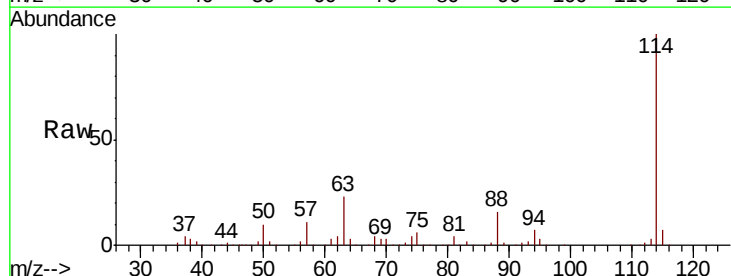
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10(0-2)

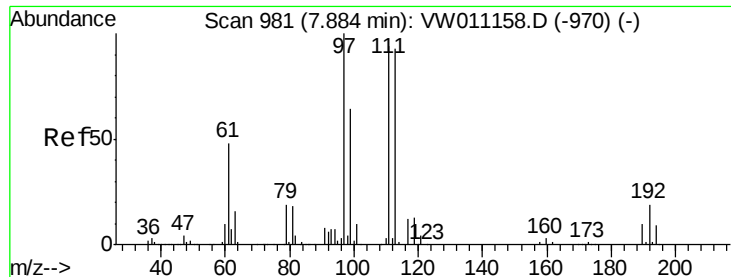
Tot Ion: 65 Resp: 146925
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011366.D
 Acq: 19 Jul 2019 06:59

Tgt Ion: 114 Resp: 359286
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 50.8
 88 16.5 0.0 34.2

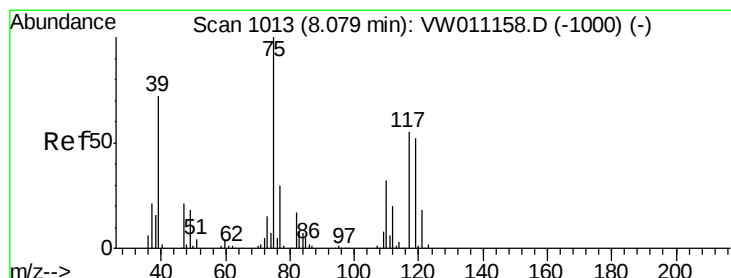
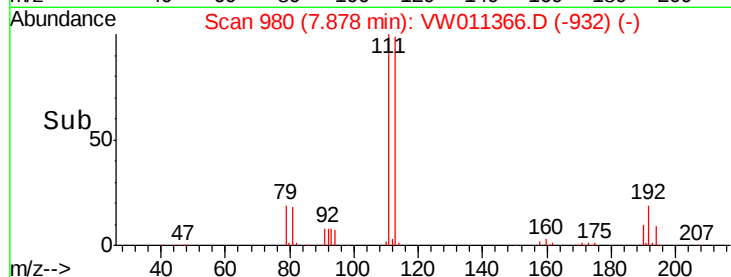
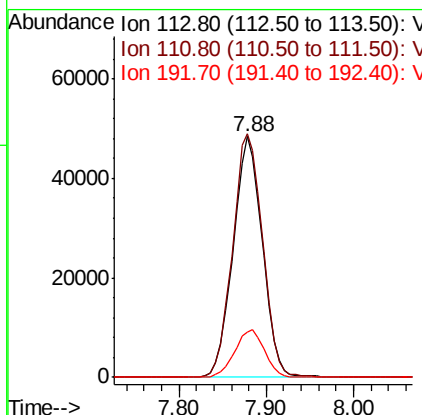
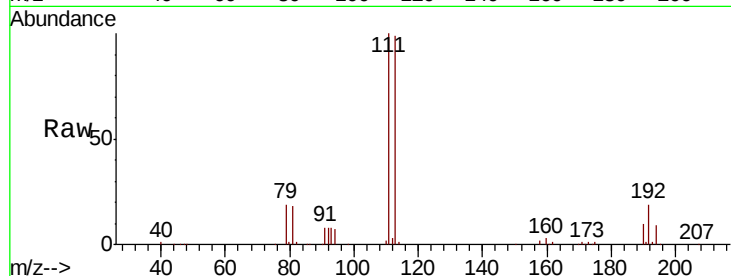




#35
 Dibromofluoromethane
 Concen: 52.355 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011366.D
 Acq: 19 Jul 2019 06:59

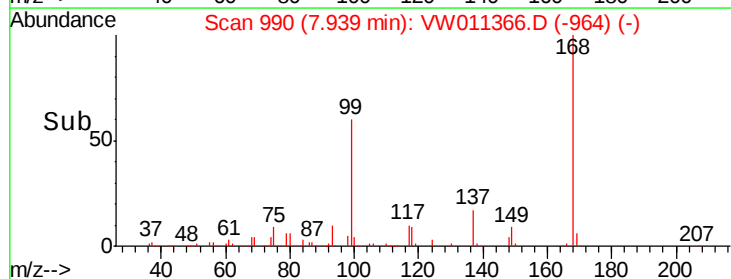
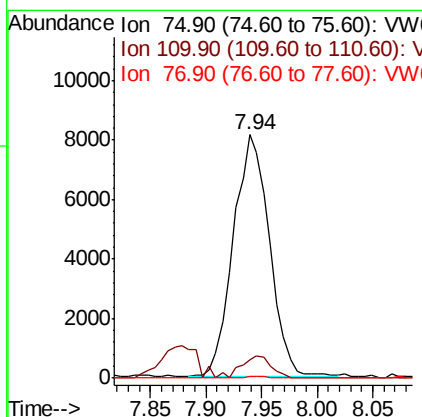
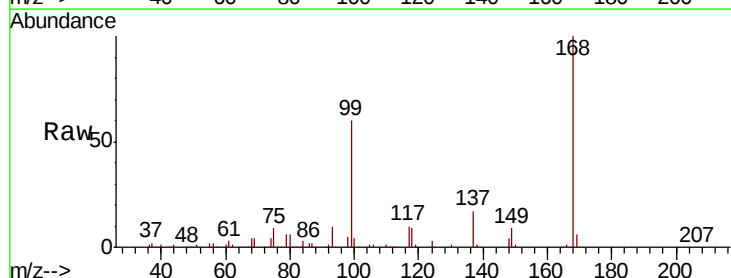
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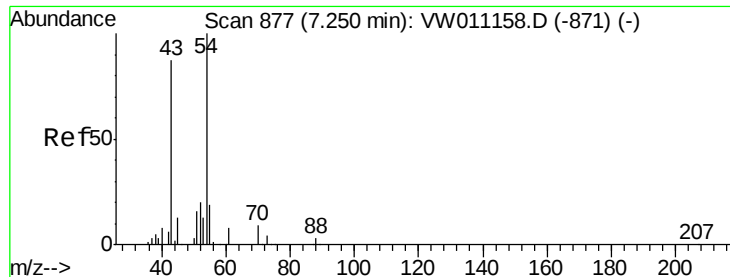
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.4	123.6
192	20.1	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011366.D
 Acq: 19 Jul 2019 06:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	15.9	47.6#
77	0.3	24.6	36.8#

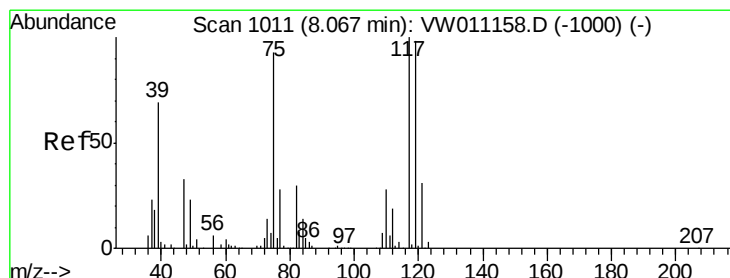
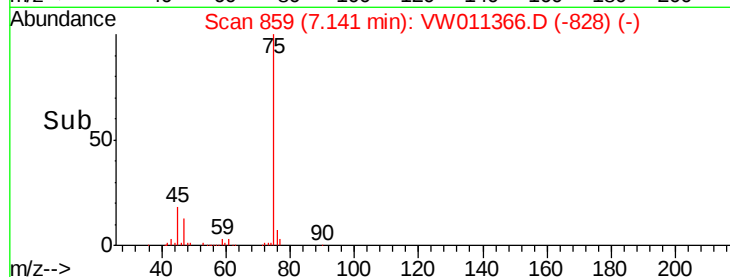
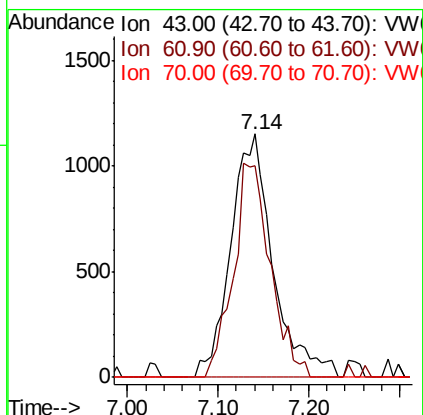
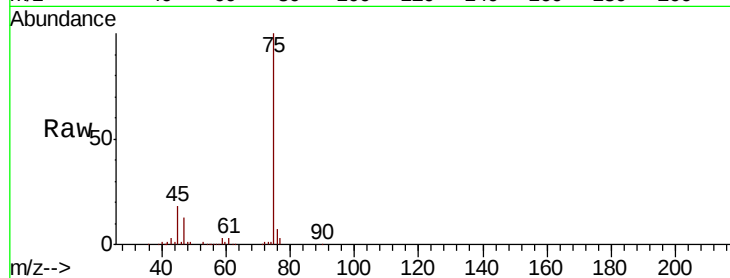




#37
Ethyl Acetate
Concen: 1.623 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW011366.D
Acq: 19 Jul 2019 06:59

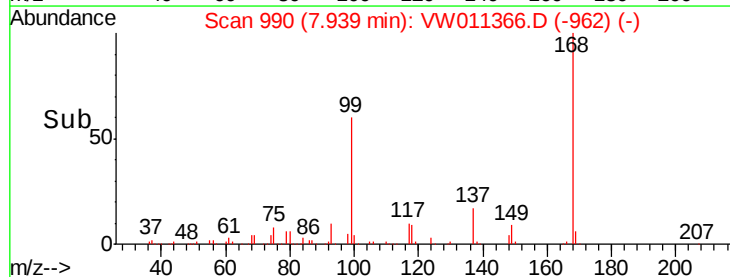
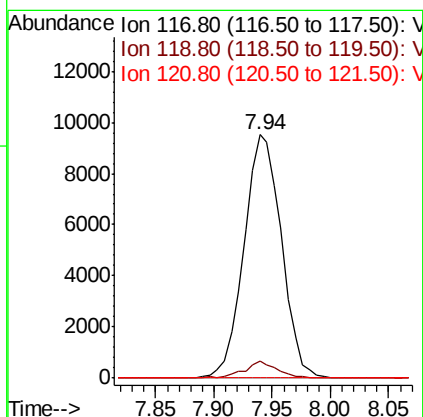
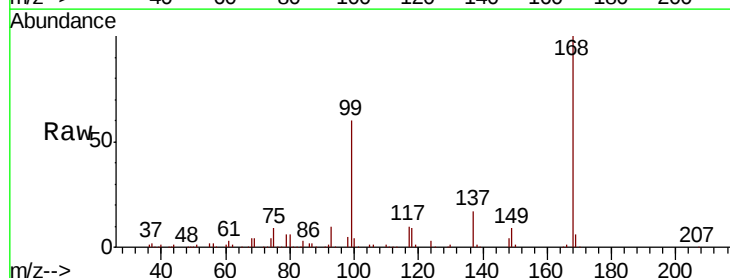
Instrument :
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ClientSampleId :
SB-10(0-2)

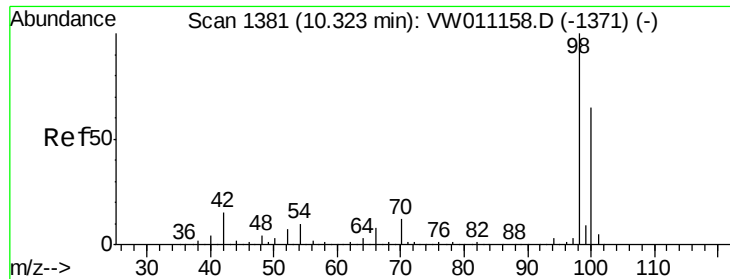
Tot Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
61 77.0 9.5 14.3#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.553 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011366.D
Acq: 19 Jul 2019 06:59

Tgt Ion: 117 Resp: 21254
Ion Ratio Lower Upper
117 100
119 7.2 78.1 117.1#
121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 52.780 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

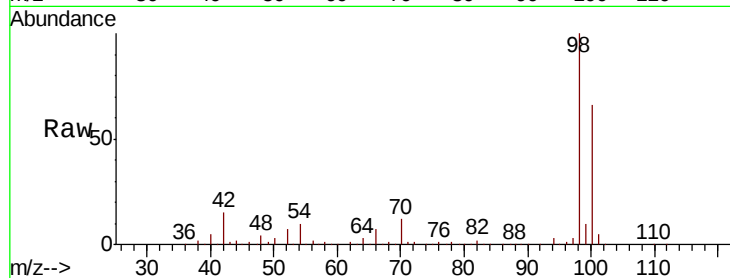
SB-10(0-2)

Tot Ion: 98 Resp: 456880

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

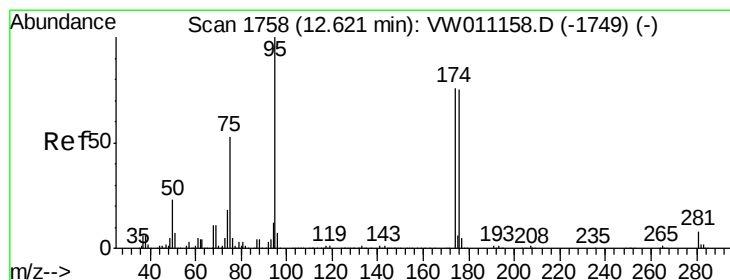
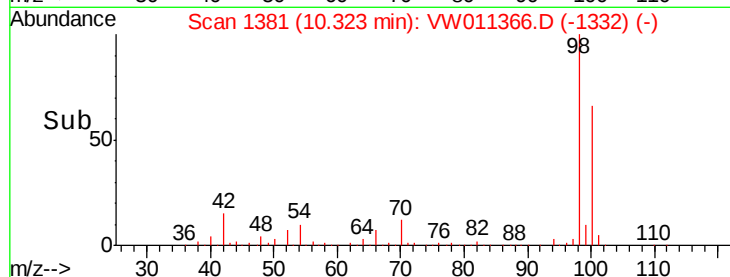
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 46.263 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

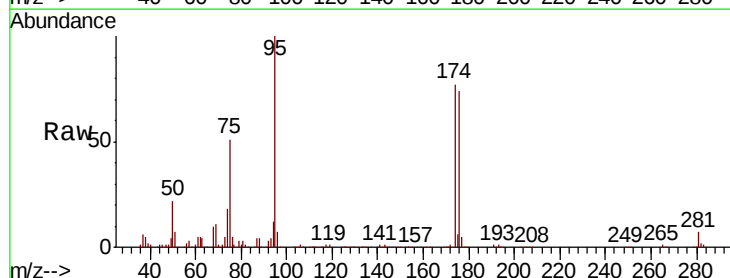
Tgt Ion: 95 Resp: 146786

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.6

176 72.5 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

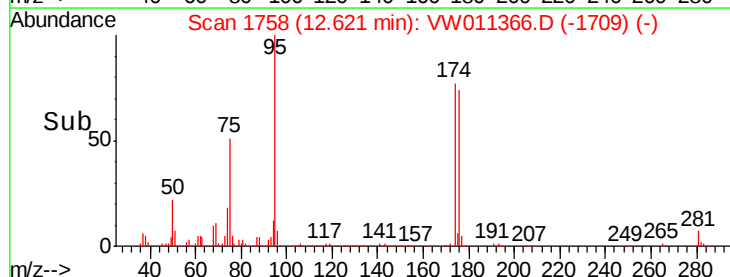
60000

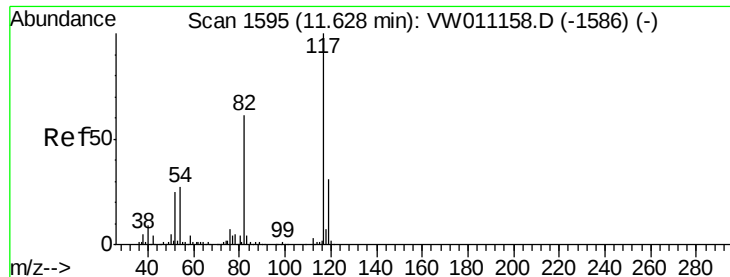
40000

20000

0

Time--> 12.60 12.70

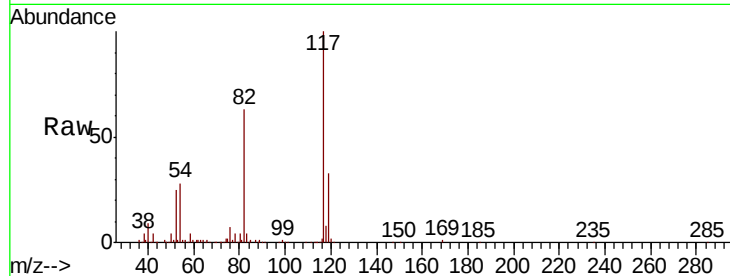




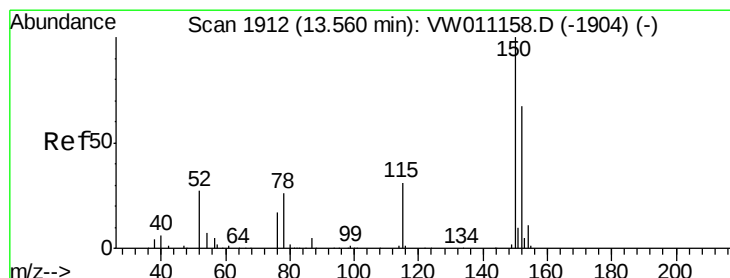
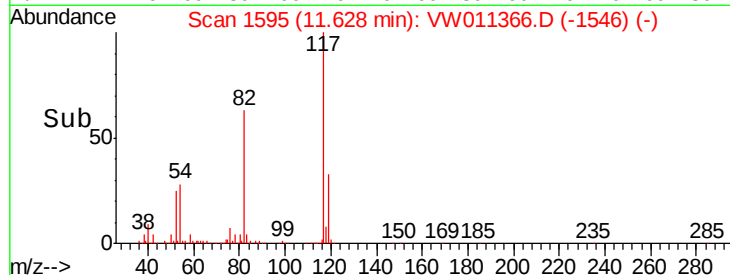
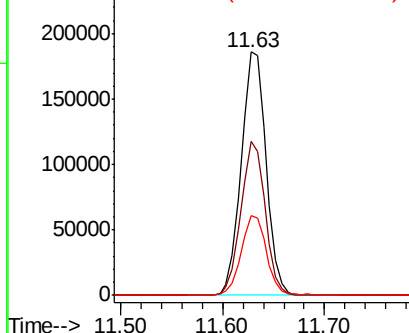
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011366.D
Acq: 19 Jul 2019 06:59

Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-2)

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	48.9	73.3
119	32.6	25.0	37.6

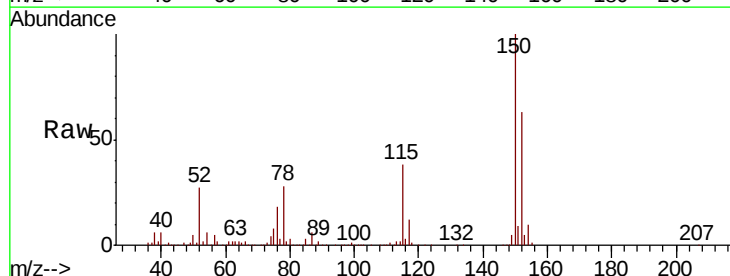


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

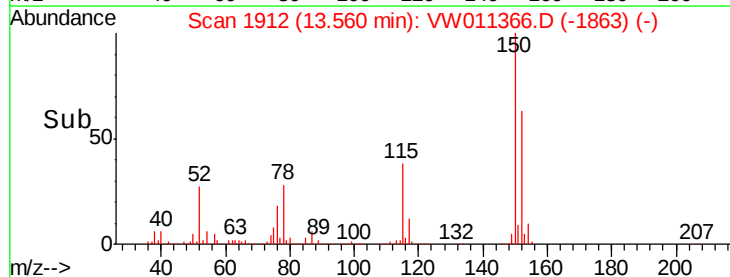
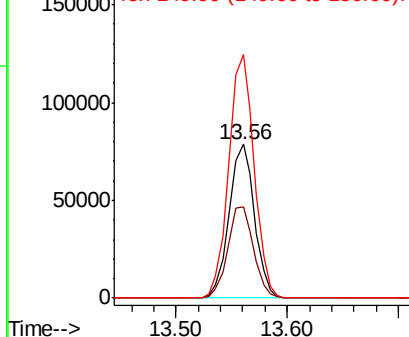


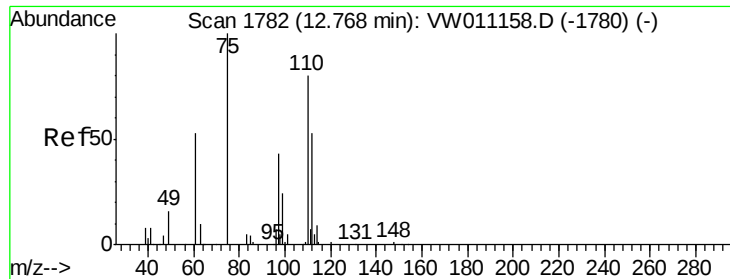
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011366.D
Acq: 19 Jul 2019 06:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.1	90.3
150	158.8	0.0	346.0



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





#76

1,2,3-Trichloropropane

Concen: 54.717 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

Instrument :

MSVOA_W

ClientSampled :

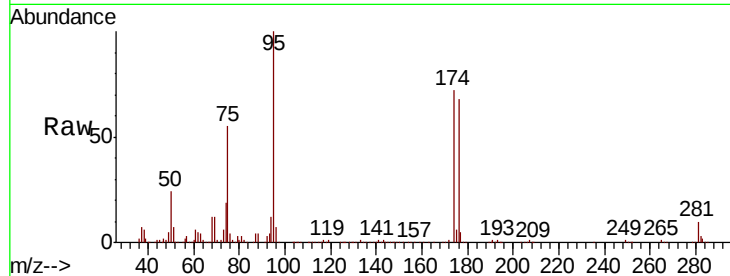
SB-10(0-2)

Tot Ion: 75 Resp: 78181

Ion Ratio Lower Upper

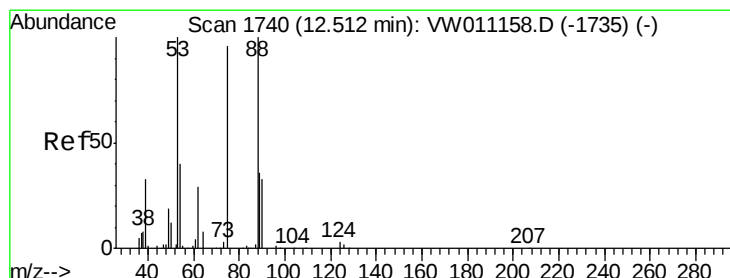
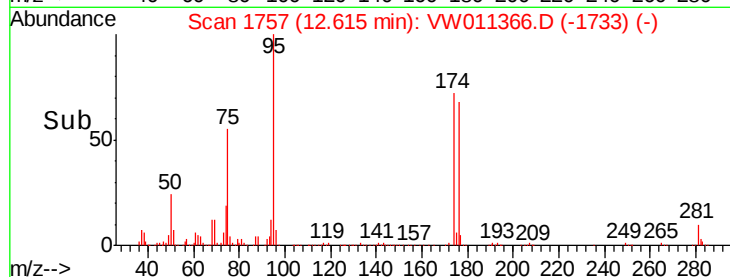
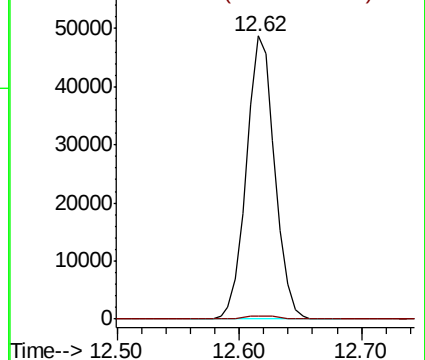
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 123.760 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011366.D

Acq: 19 Jul 2019 06:59

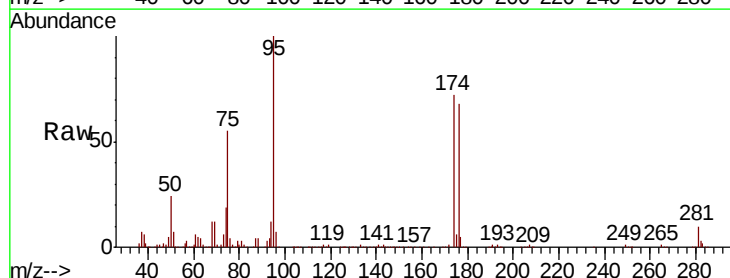
Tgt Ion: 75 Resp: 78181

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.0 34.3 51.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

