

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011405.D
 Acq On : 20 Jul 2019 05:44
 Operator : SY/VA
 Sample : K3835-30
 Misc : 5.69G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11(8-10)

Quant Time: Jul 20 06:59:47 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	7.95	168	272853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154926	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	183028	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	7.88	113	143097	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.32	98	578827	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	184829	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

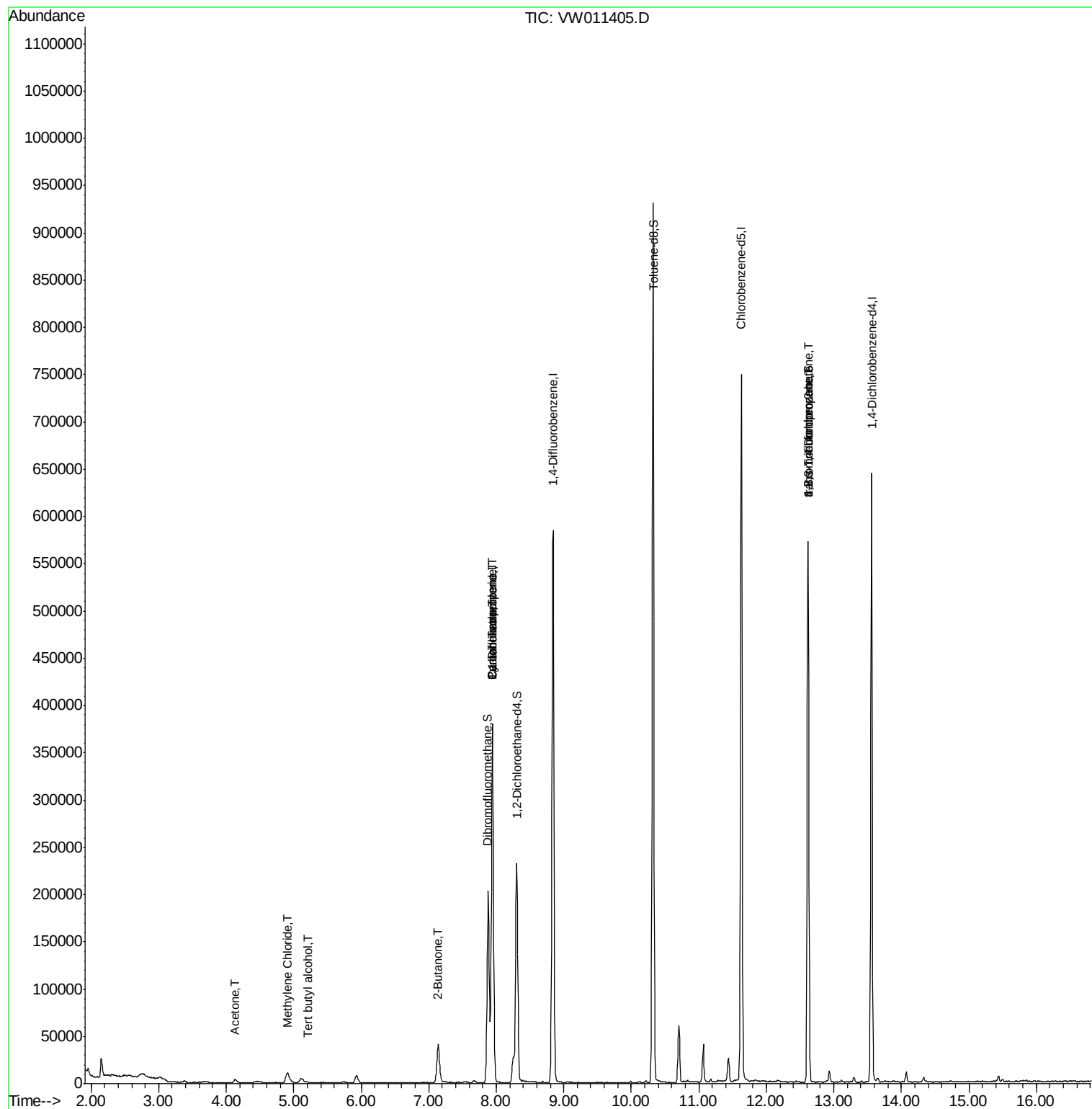
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	383	1.509	ug/l #	70
16) Acetone	4.13	43	6171	7.481	ug/l	95
18) Methyl Acetate	4.65	43	206	Below Cal		99
20) Methylene Chloride	4.90	84	7762	2.385	ug/l	94
25) 2-Butanone	7.13	43	2739	2.115	ug/l #	80
31) Cyclohexane	7.95	56	6738	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24351	4.897	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27674	6.565	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	98437	54.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	98437	124.358	ug/l #	6

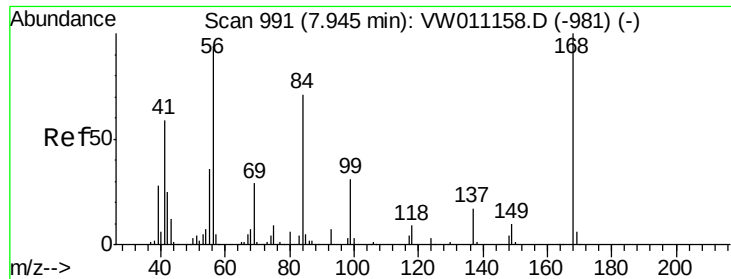
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011405.D

Acq: 20 Jul 2019 05:44

Instrument :

MSVOA_W

ClientSampleId :

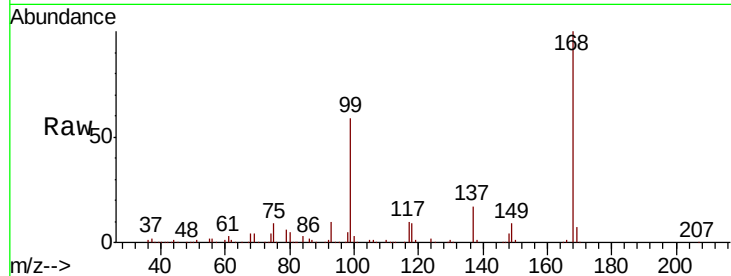
SB-11(8-10)

Tot Ion:168 Resp: 272853

Ion Ratio Lower Upper

168 100

99 58.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

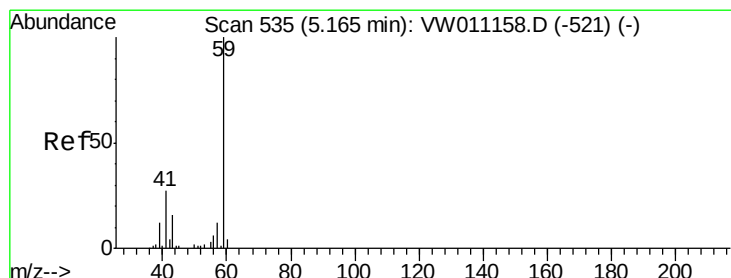
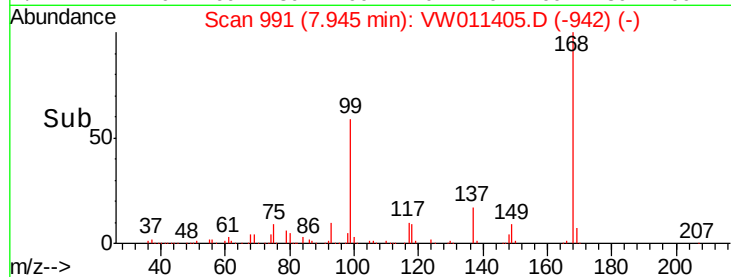
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.509 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011405.D

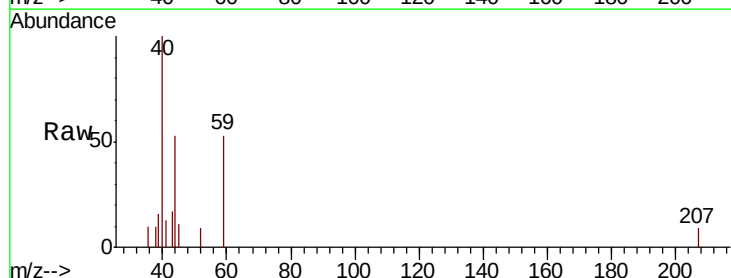
Acq: 20 Jul 2019 05:44

Tgt Ion: 59 Resp: 383

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

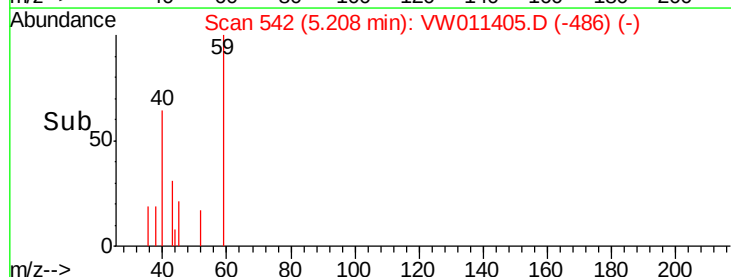
300

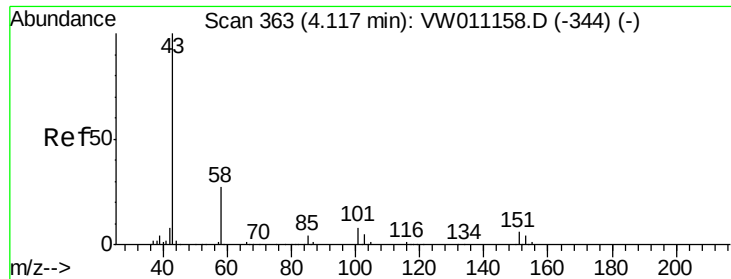
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100

0

Time-->

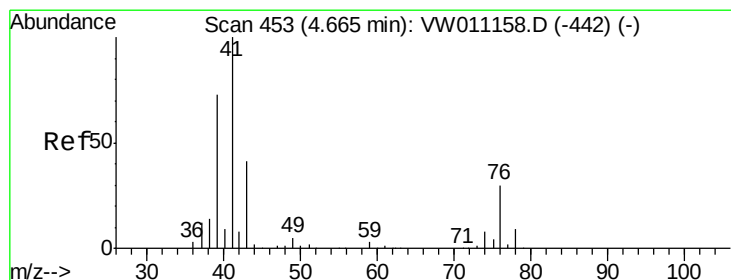
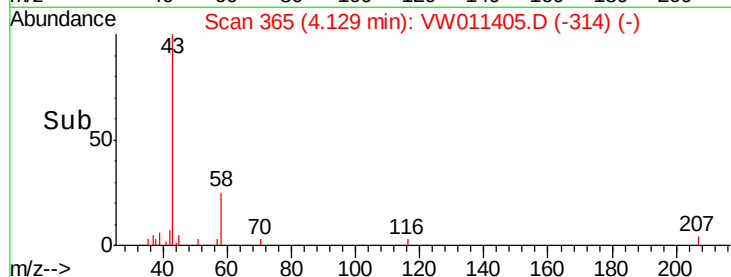
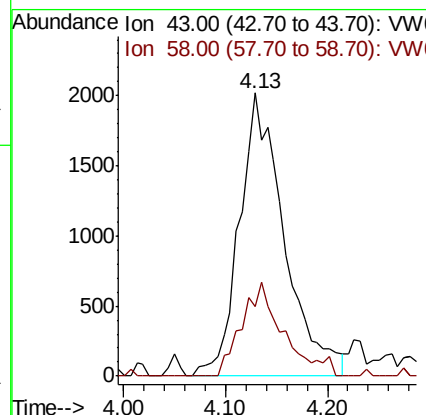
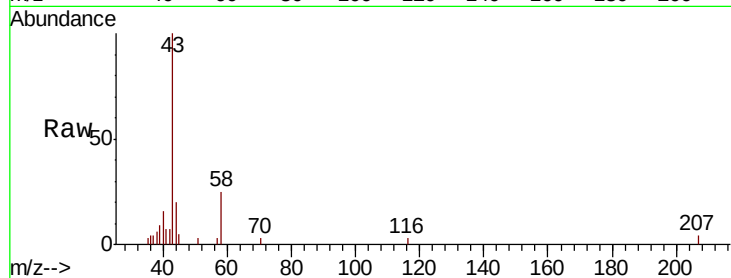




#16
Acetone
Concen: 7.481 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011405.D
Acq: 20 Jul 2019 05:44

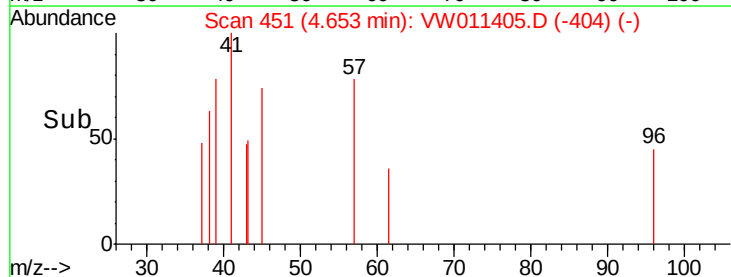
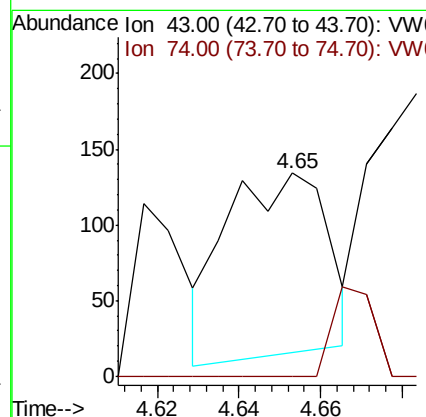
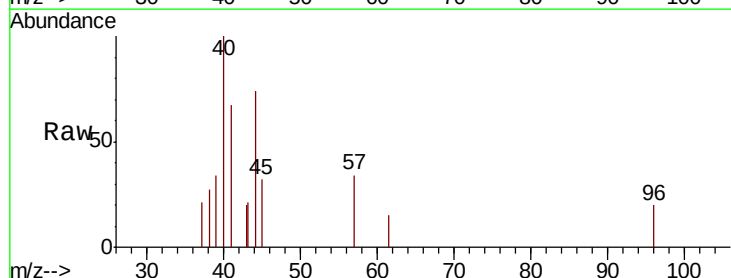
Instrument :
MSVOA_W
ClientSampled :
SB-11(8-10)

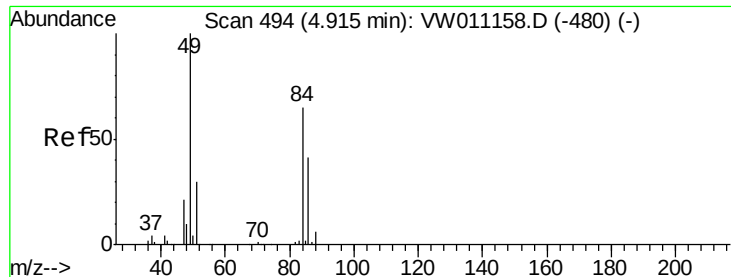
Tot Ion: 43 Resp: 6171
Ion Ratio Lower Upper
43 100
58 24.7 21.8 32.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW011405.D
Acq: 20 Jul 2019 05:44

Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
74 19.9 15.7 23.5

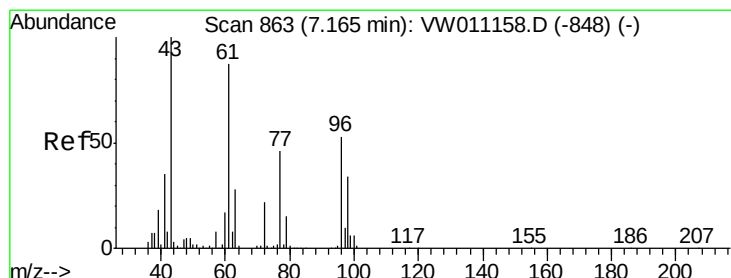
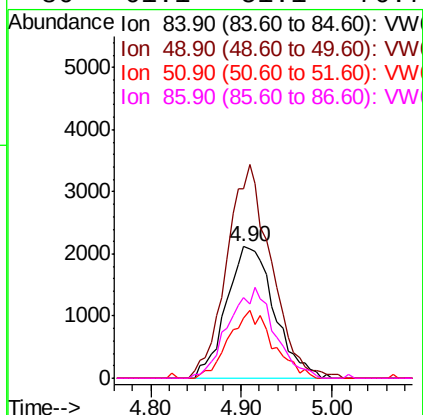
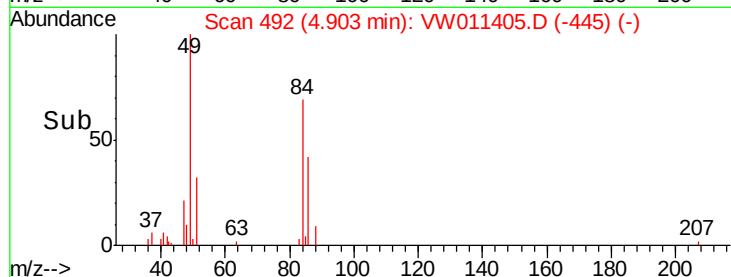
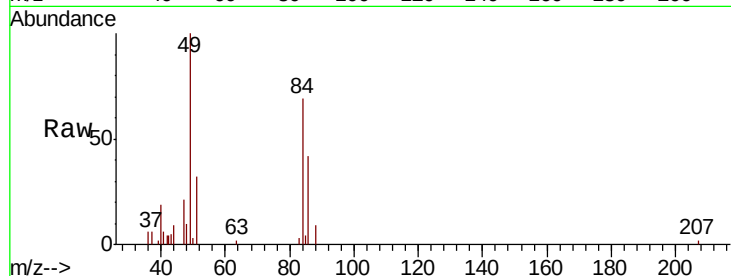




#20
Methylene Chloride
Concen: 2.385 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW011405.D
Acq: 20 Jul 2019 05:44

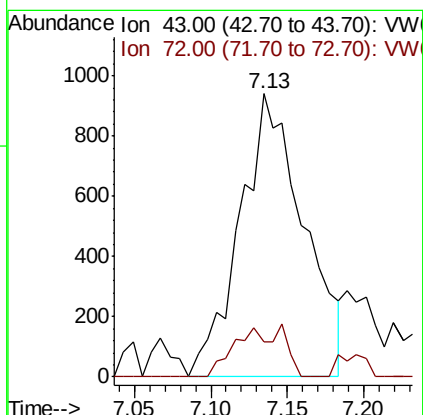
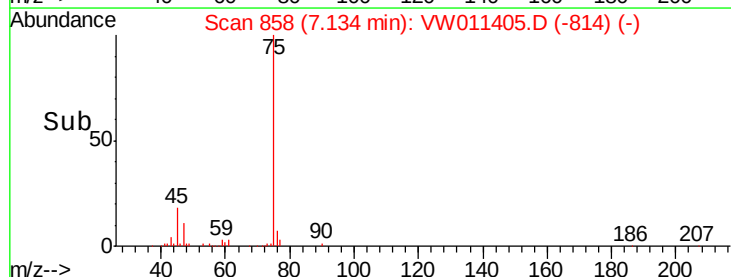
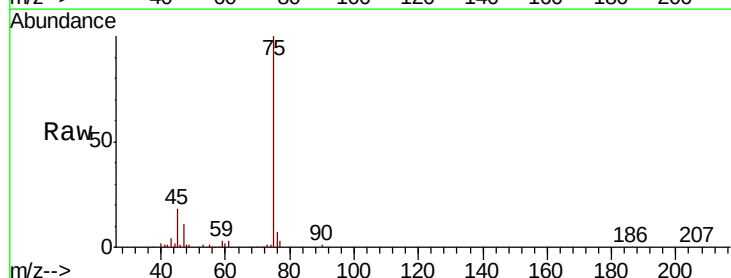
Instrument :
MSVOA_W
ClientSampleId :
SB-11(8-10)

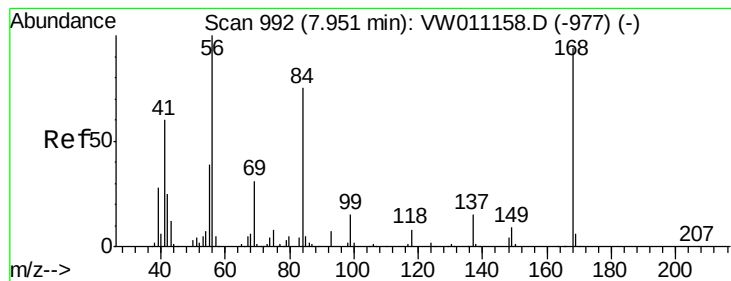
Tot Ion: 84 Resp: 7762
Ion Ratio Lower Upper
84 100
49 144.0 123.8 185.6
51 45.6 37.4 56.2
86 61.1 51.1 76.7



#25
2-Butanone
Concen: 2.115 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011405.D
Acq: 20 Jul 2019 05:44

Tgt Ion: 43 Resp: 2739
Ion Ratio Lower Upper
43 100
72 12.6 17.6 26.4#





#31

Cyclohexane

Concen: 1.015 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011405.D

Acq: 20 Jul 2019 05:44

Instrument :

MSVOA_W

ClientSampled :

SB-11(8-10)

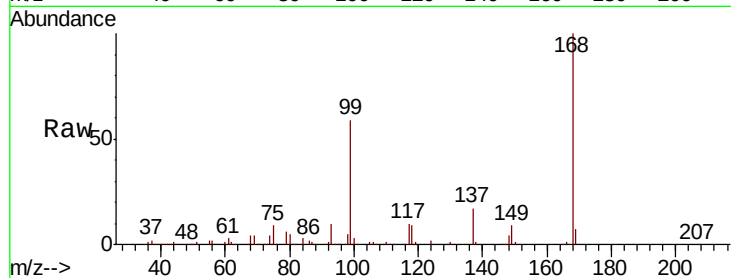
Tot Ion: 56 Resp: 6738

Ion Ratio Lower Upper

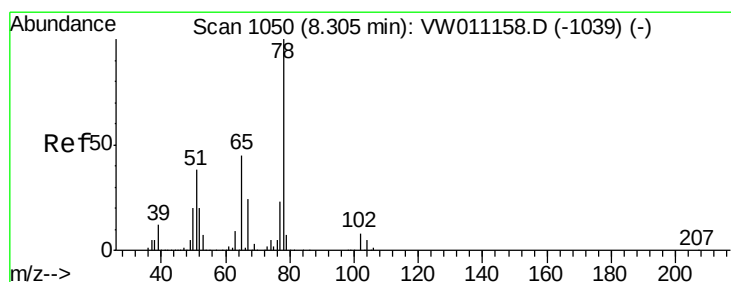
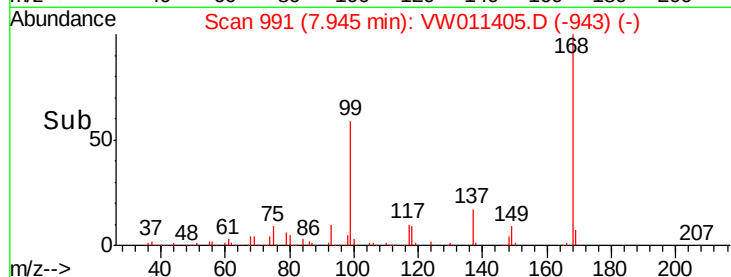
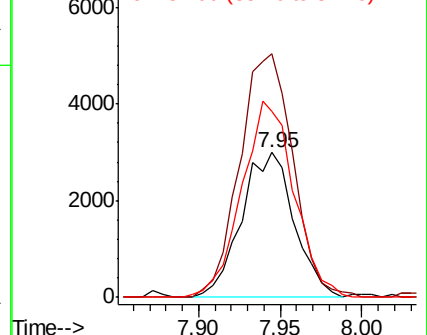
56 100

69 168.5 24.6 36.8#

84 126.4 60.1 90.1#



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: 53.384 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011405.D

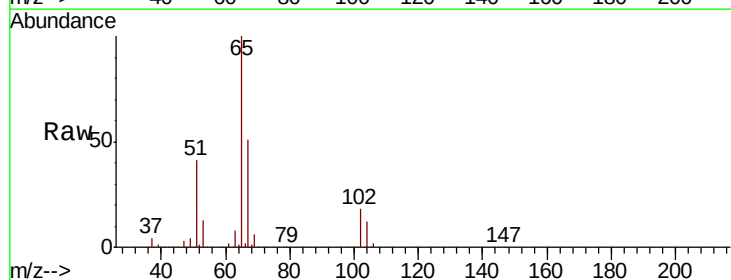
Acq: 20 Jul 2019 05:44

Tgt Ion: 65 Resp: 183028

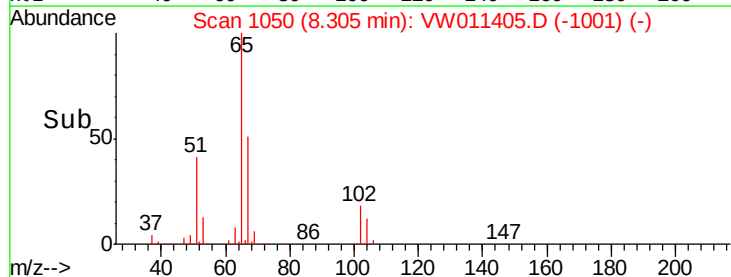
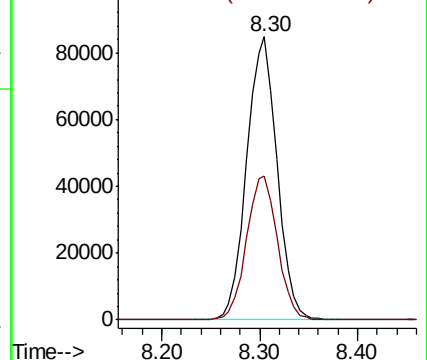
Ion Ratio Lower Upper

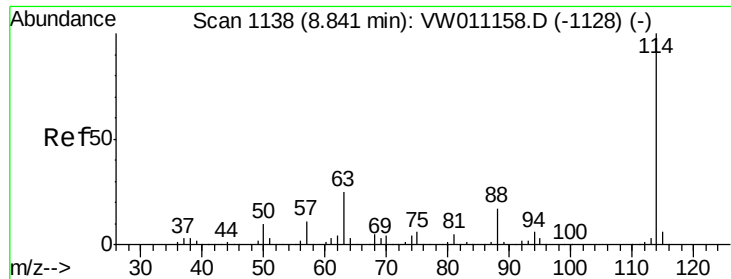
65 100

67 51.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

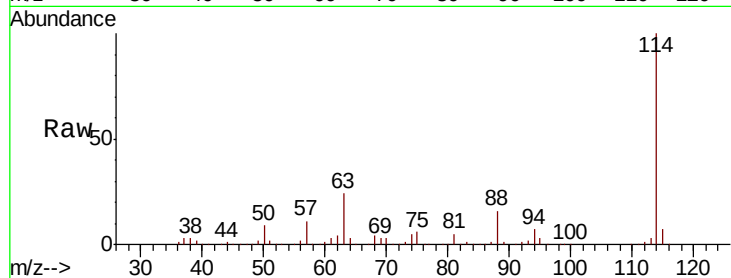




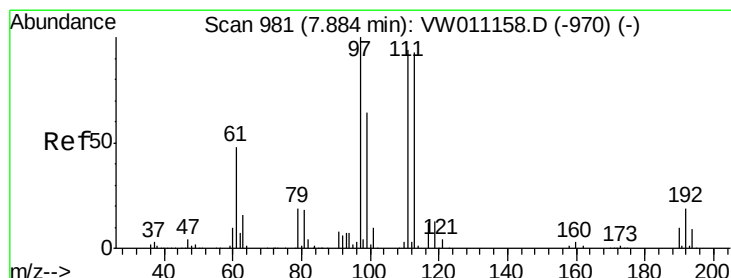
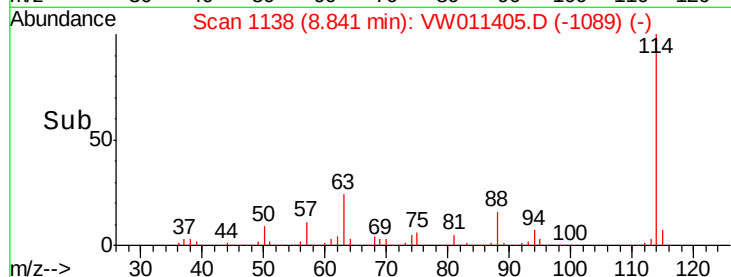
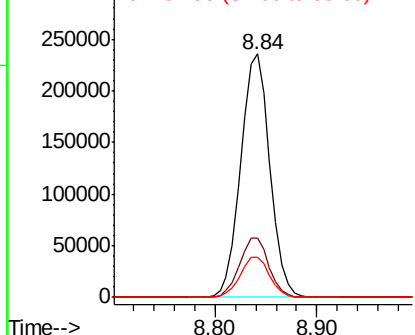
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011405.D
 Acq: 20 Jul 2019 05:44

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11(8-10)

Tot Ion:114 Resp: 466985
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.8
 88 16.3 0.0 34.2

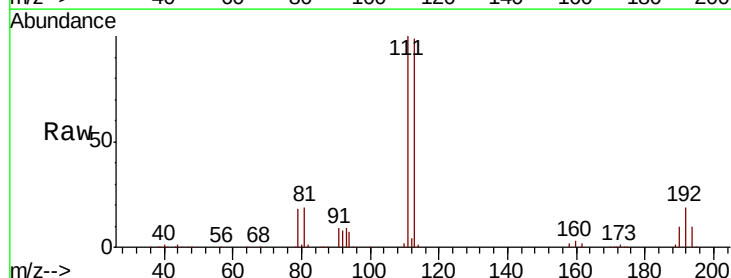


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

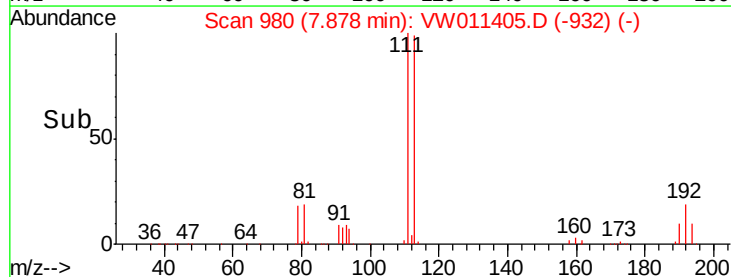
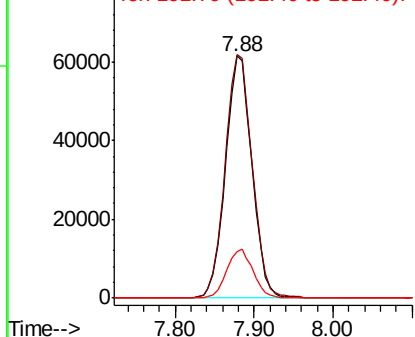


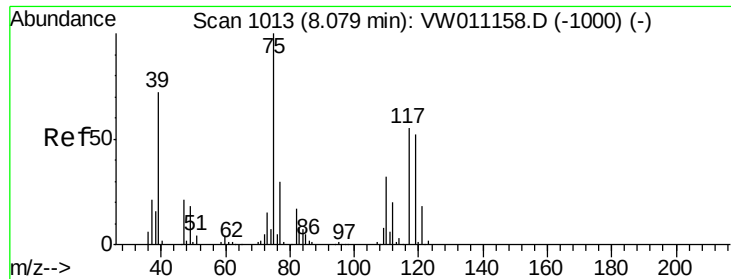
#35
 Dibromofluoromethane
 Concen: 51.410 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011405.D
 Acq: 20 Jul 2019 05:44

Tgt Ion:113 Resp: 143097
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 19.9 15.8 23.8



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

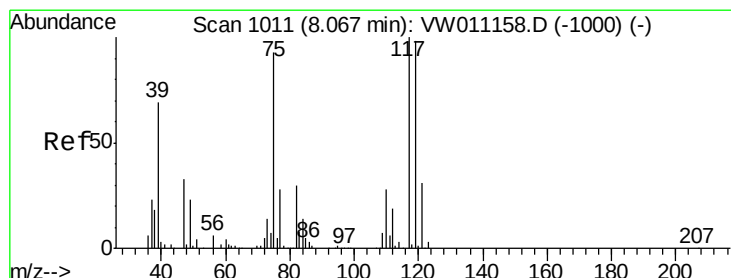
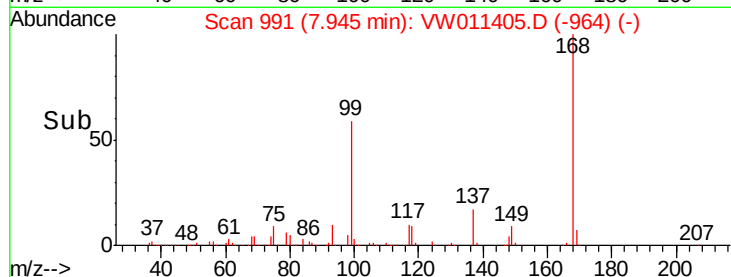
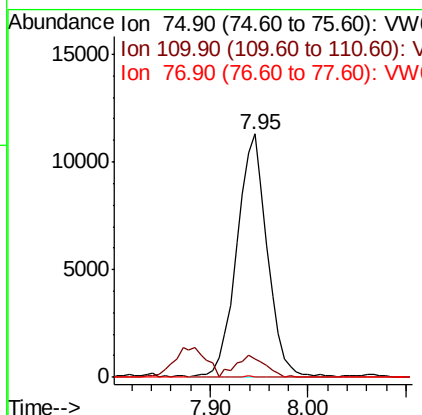
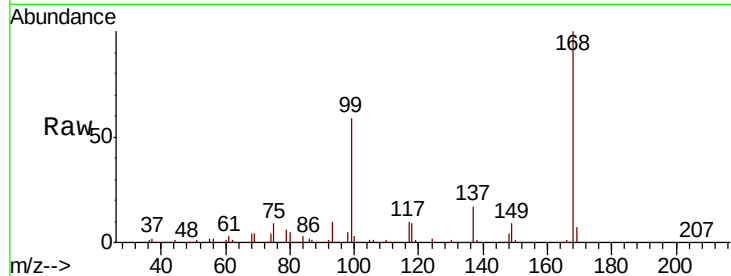




#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011405.D
 Acq: 20 Jul 2019 05:44

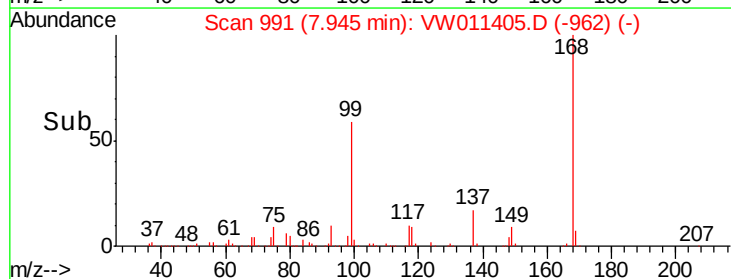
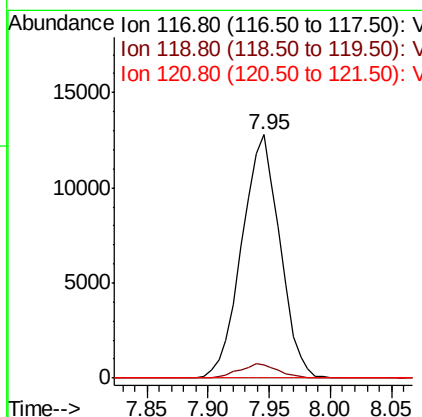
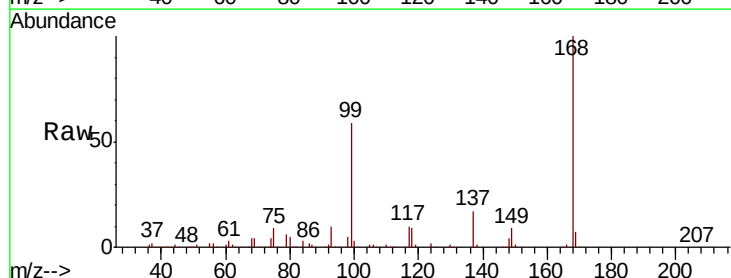
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11(8-10)

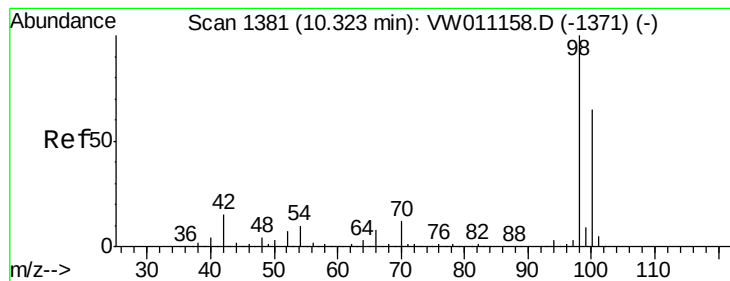
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.9	47.6#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.565 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011405.D
 Acq: 20 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 51.446 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011405.D

Acq: 20 Jul 2019 05:44

Instrument :

MSVOA_W

ClientSampleId :

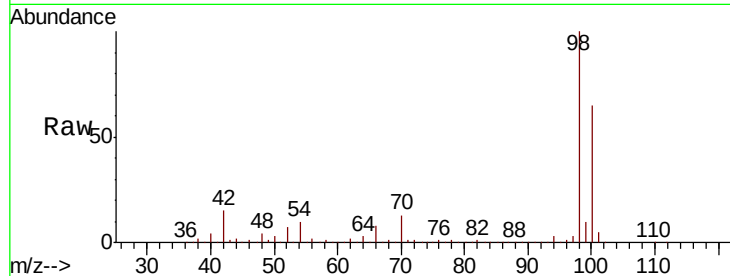
SB-11(8-10)

Tot Ion: 98 Resp: 578827

Ion Ratio Lower Upper

98 100

100 65.4 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

300000

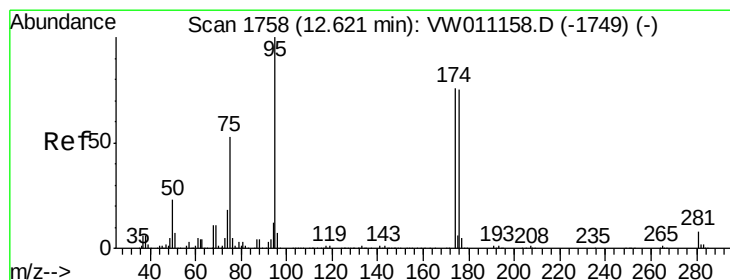
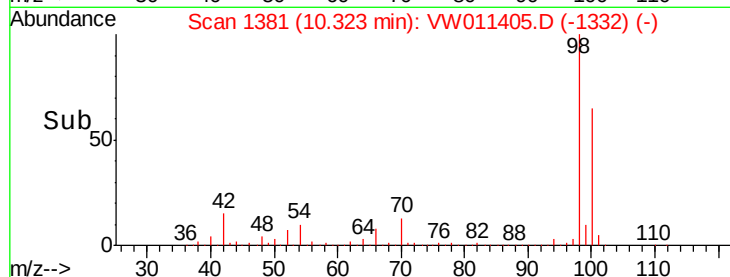
200000

100000

0

Time-->

10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 44.819 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW011405.D

Acq: 20 Jul 2019 05:44

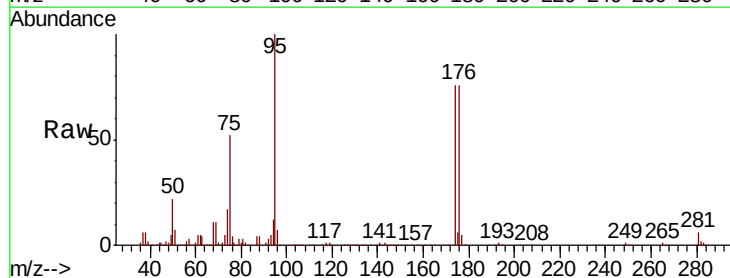
Tgt Ion: 95 Resp: 184829

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.6

176 72.6 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

150000

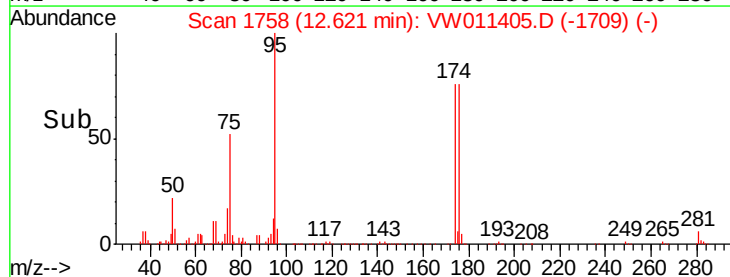
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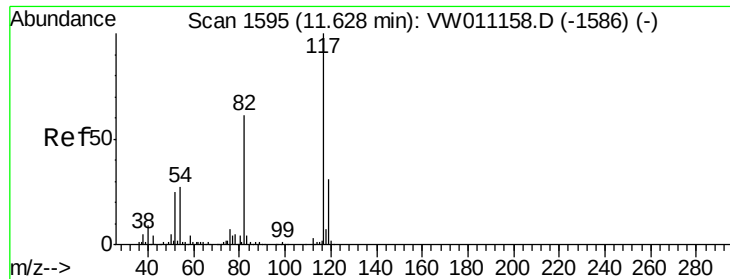
50000

0

Time-->

12.50 12.60 12.70

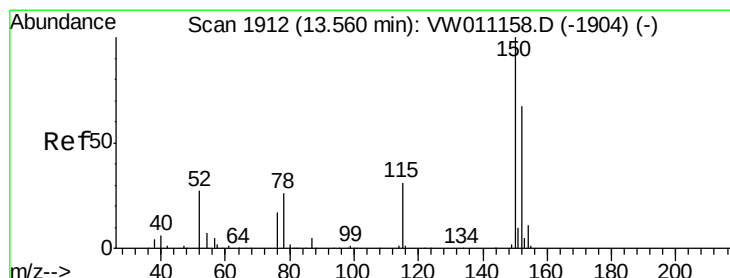
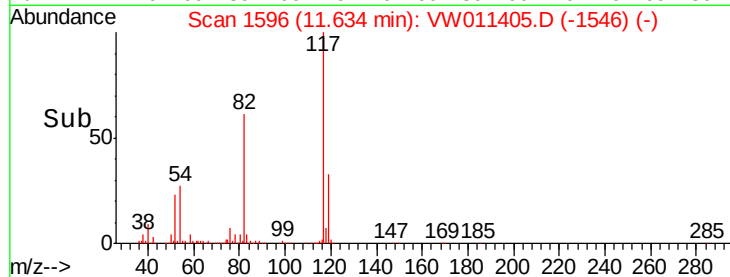
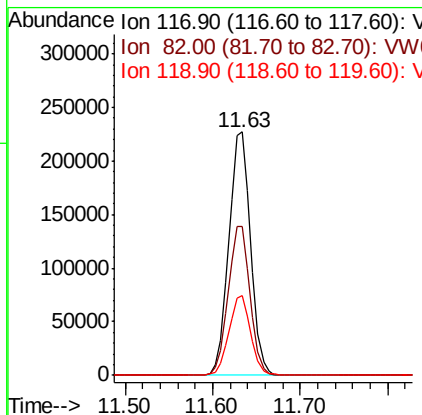
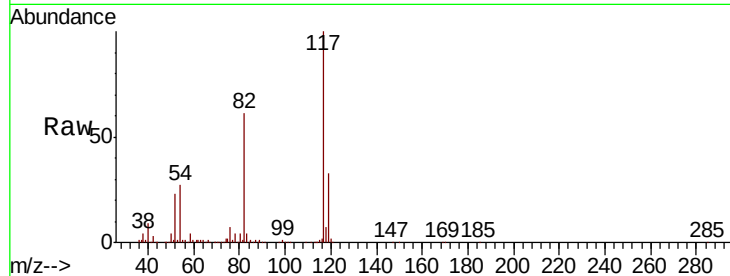




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011405.D
Acq: 20 Jul 2019 05:44

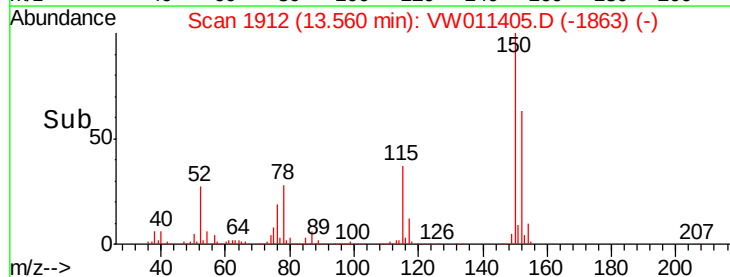
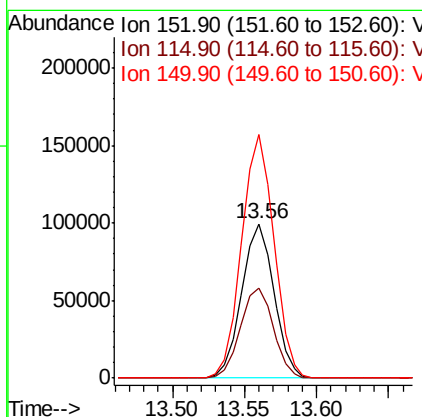
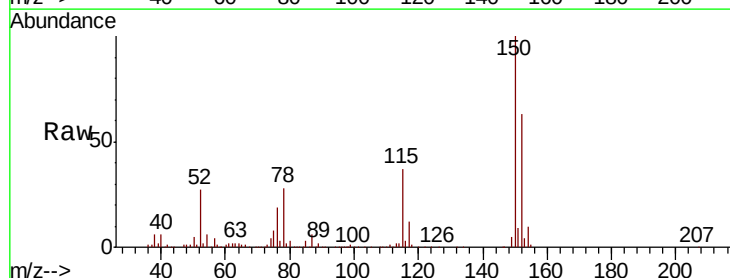
Instrument :
MSVOA_W
ClientSampleId :
SB-11(8-10)

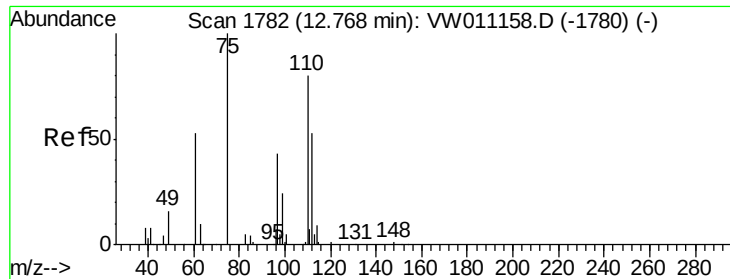
Tot Ion:117 Resp: 391612
Ion Ratio Lower Upper
117 100
82 61.4 48.9 73.3
119 32.6 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011405.D
Acq: 20 Jul 2019 05:44

Tgt Ion:152 Resp: 154926
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.3
150 158.1 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 54.981 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011405.D

Acq: 20 Jul 2019 05:44

Instrument :

MSVOA_W

ClientSampled :

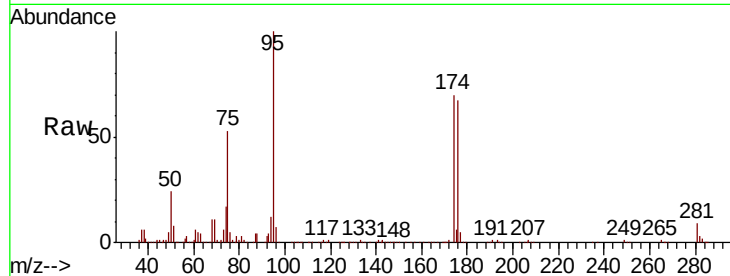
SB-11(8-10)

Tot Ion: 75 Resp: 98437

Ion Ratio Lower Upper

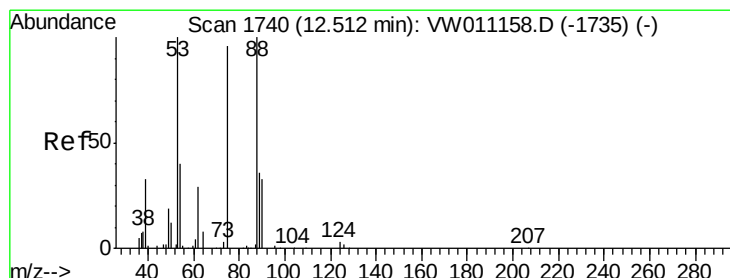
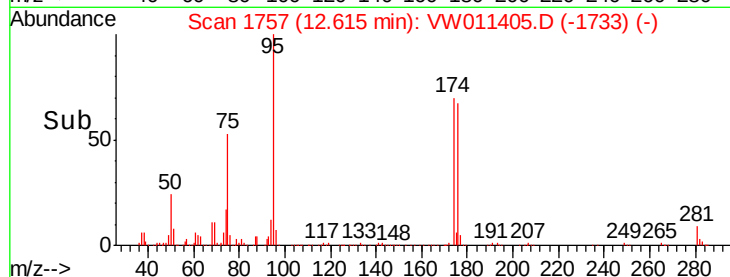
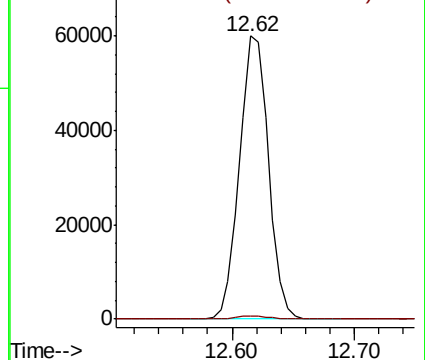
75 100

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: 124.358 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011405.D

Acq: 20 Jul 2019 05:44

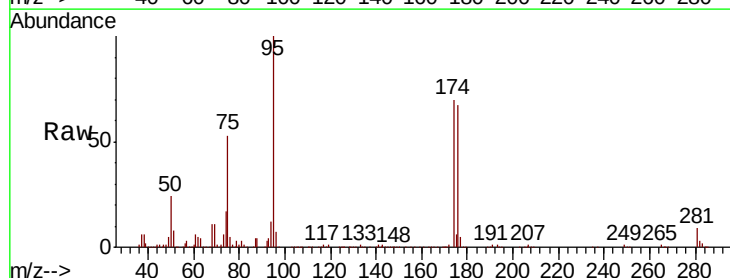
Tgt Ion: 75 Resp: 98437

Ion Ratio Lower Upper

75 100

53 0.2 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

