

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013241.D
 Acq On : 23 Sep 2019 19:31
 Operator : SY/VA
 Sample : K4957-07
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-33-10.5-11.0

Quant Time: Sep 24 06:42:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	45084	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	38563	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
35) Dibromofluoromethane	7.88	113	36802	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.32	98	149114	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	44426	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	

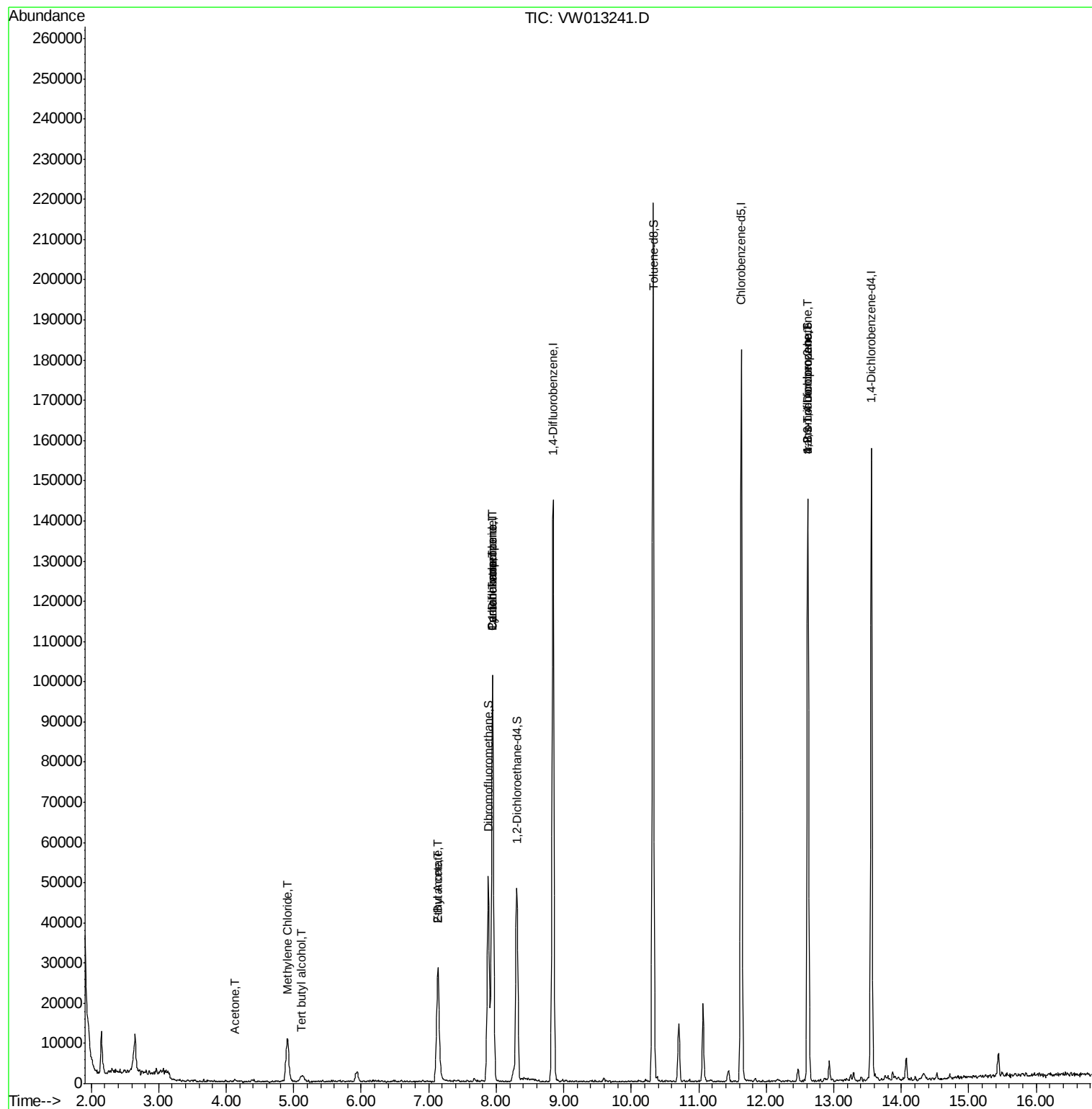
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.10	59	680	3.473	ug/l #	82
16) Acetone	4.14	43	863	5.445	ug/l #	78
20) Methylene Chloride	4.91	84	7982	7.371	ug/l	93
25) 2-Butanone	7.13	43	1356	5.700	ug/l #	71
26) 2,2-Dichloropropane	7.12	77	1134	Below Cal	#	52
31) Cyclohexane	7.95	56	1593	1.046	ug/l #	23
36) 1,1-Dichloropropene	7.94	75	6070	4.925	ug/l #	49
37) Ethyl Acetate	7.13	43	1356	2.589	ug/l #	1
38) Carbon Tetrachloride	7.95	117	7500	6.788	ug/l #	21
76) 1,2,3-Trichloropropane	12.62	75	22430	56.335	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	22430	126.412	ug/l #	12

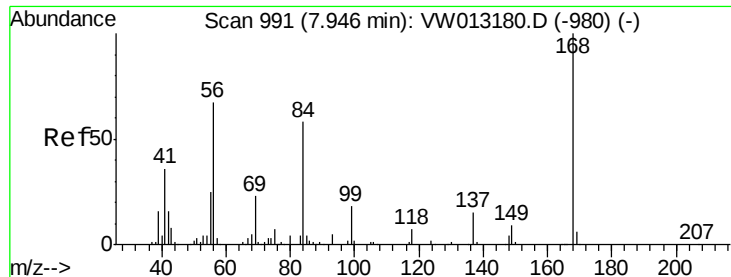
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

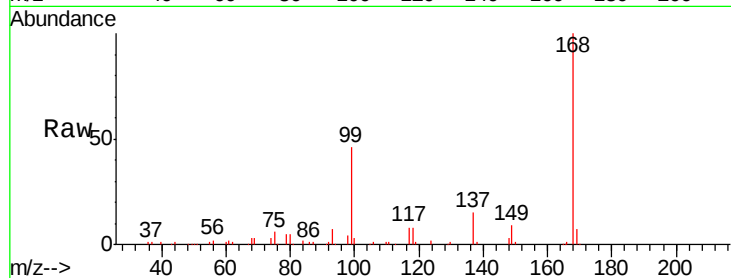
SB-33-10.5-11.0

Tgt Ion:168 Resp: 86108

Ion Ratio Lower Upper

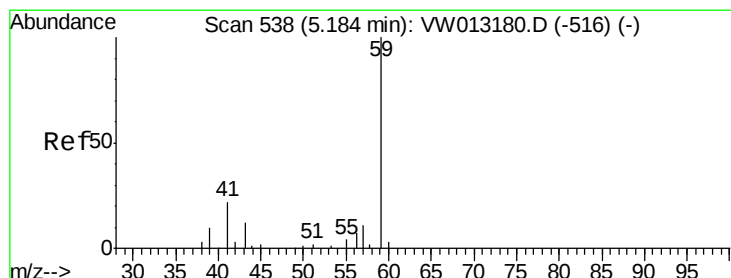
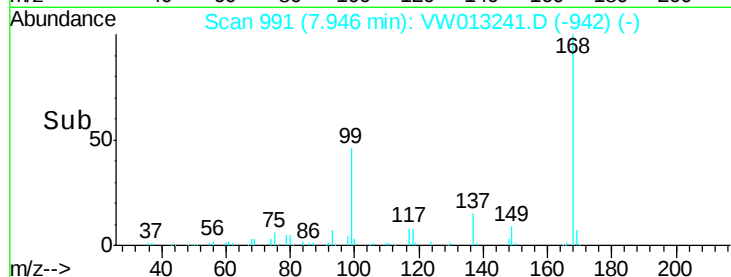
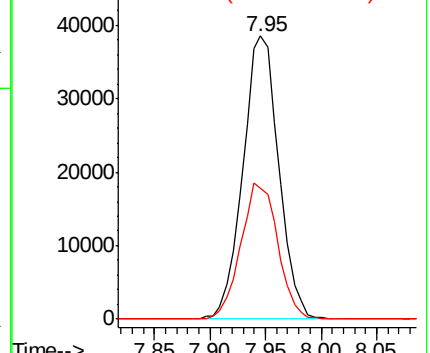
168 100

99 46.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.473 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.08 min

Lab File: VW013241.D

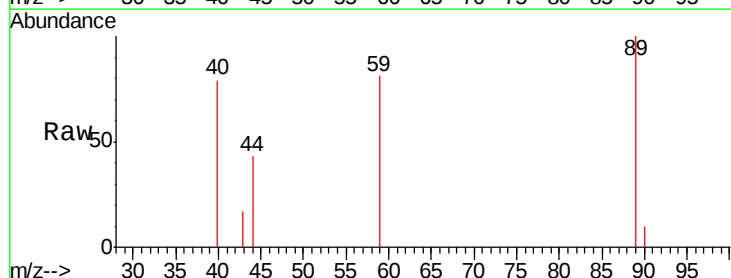
Acq: 23 Sep 2019 19:31

Tgt Ion: 59 Resp: 680

Ion Ratio Lower Upper

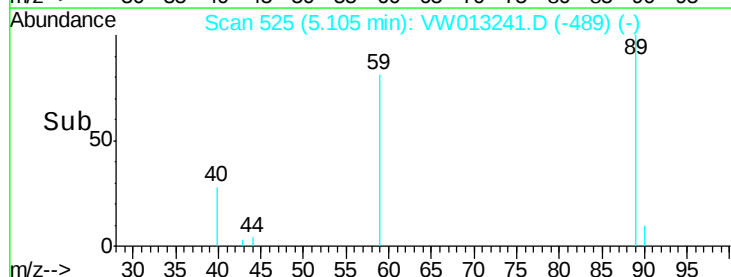
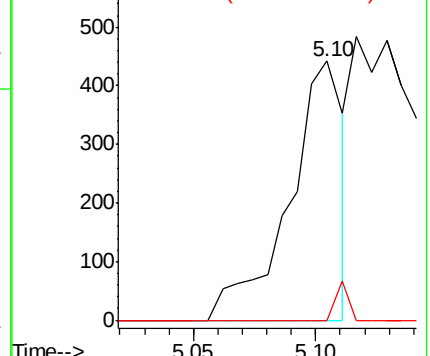
59 100

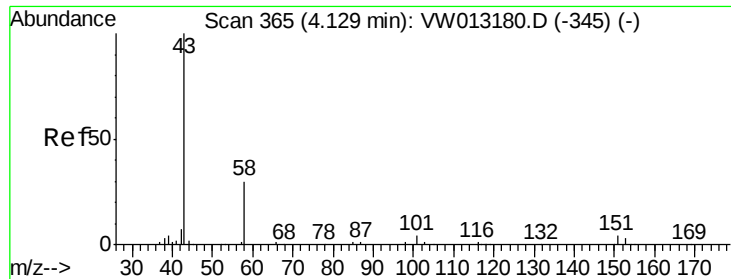
57 3.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.445 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

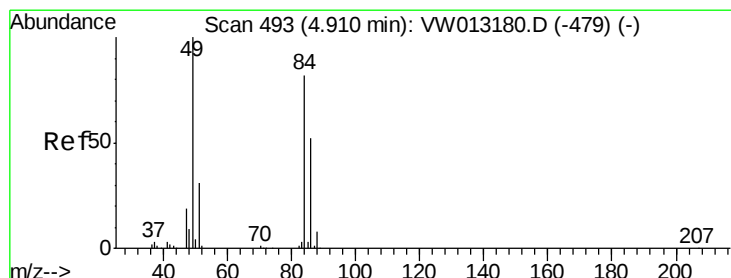
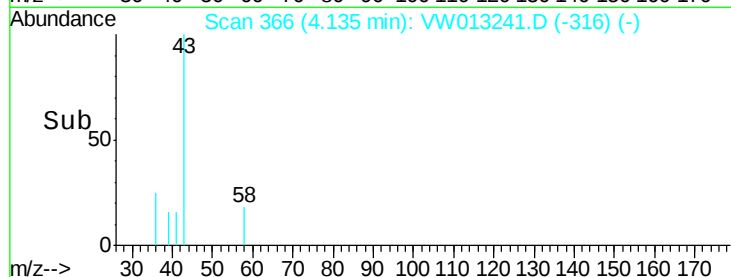
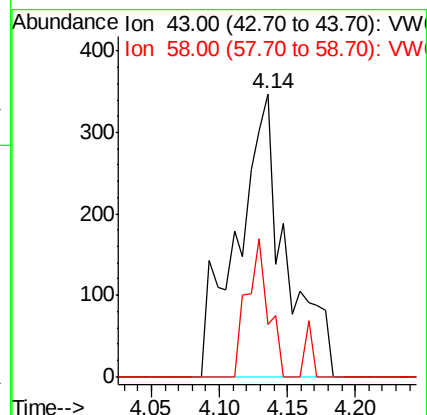
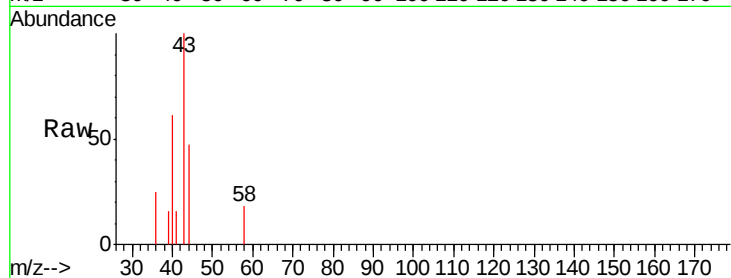
SB-33-10.5-11.0

Tgt Ion: 43 Resp: 863

Ion Ratio Lower Upper

43 100

58 18.4 24.1 36.1#



#20

Methylene Chloride

Concen: 7.371 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Tgt Ion: 84 Resp: 7982

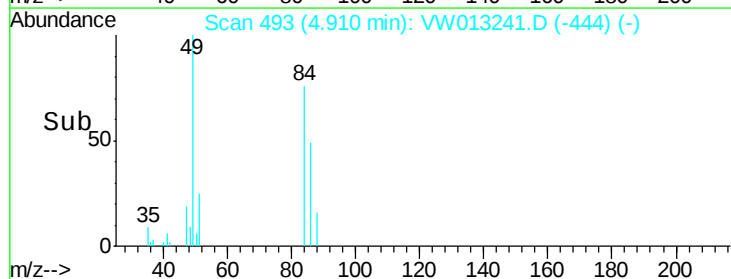
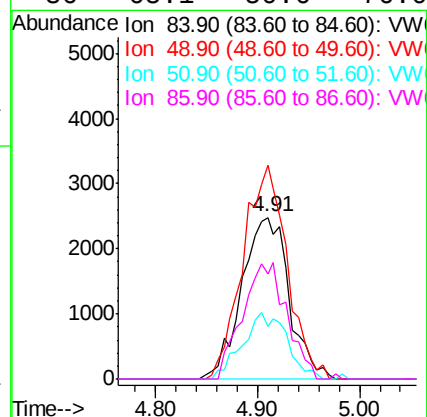
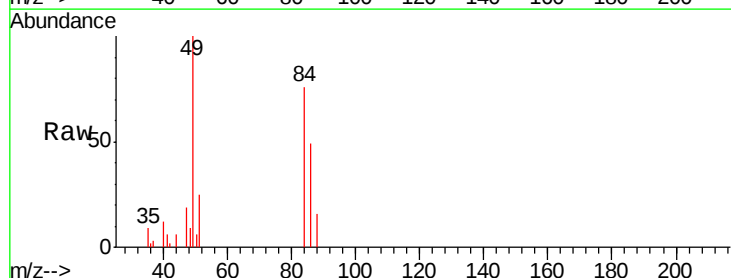
Ion Ratio Lower Upper

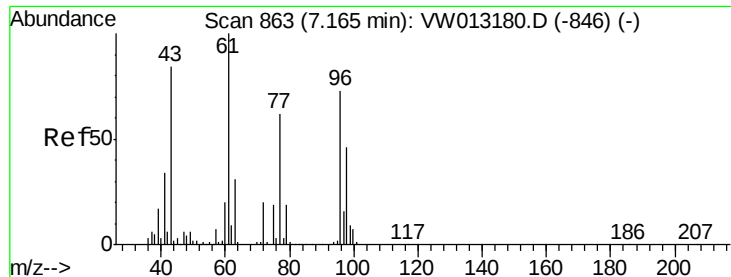
84 100

49 131.9 97.6 146.4

51 32.4 30.2 45.2

86 65.1 50.6 76.0





#25

2-Butanone

Concen: 5.700 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

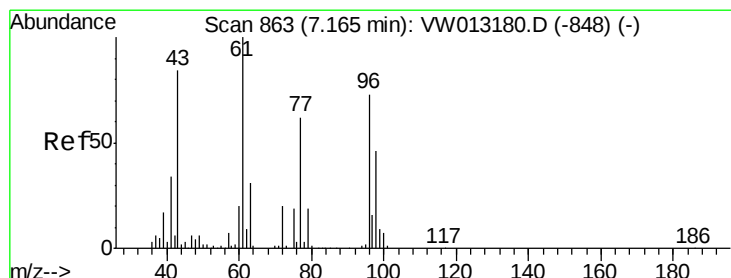
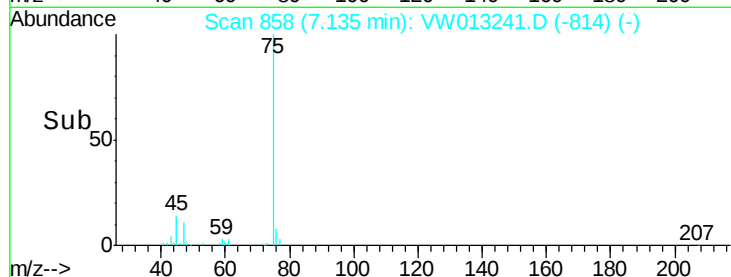
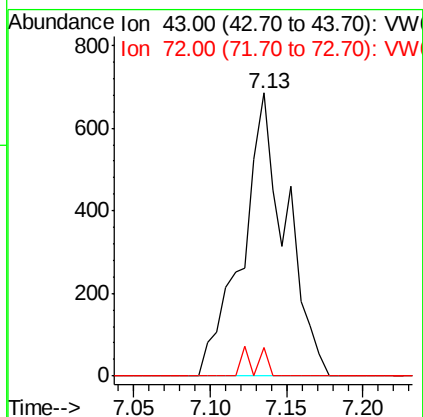
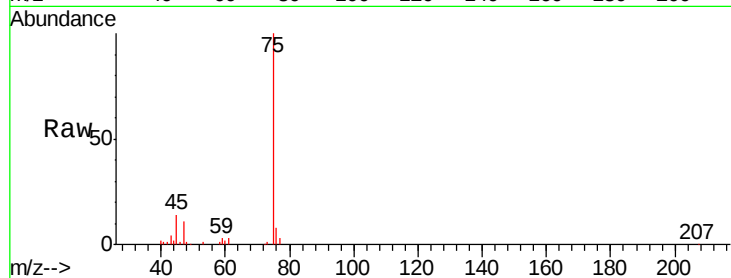
SB-33-10.5-11.0

Tgt Ion: 43 Resp: 1356

Ion Ratio Lower Upper

43 100

72 9.9 19.4 29.0#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.12 min Scan# 856

Delta R.T. -0.04 min

Lab File: VW013241.D

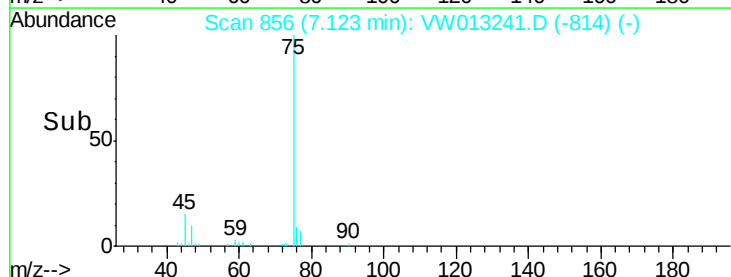
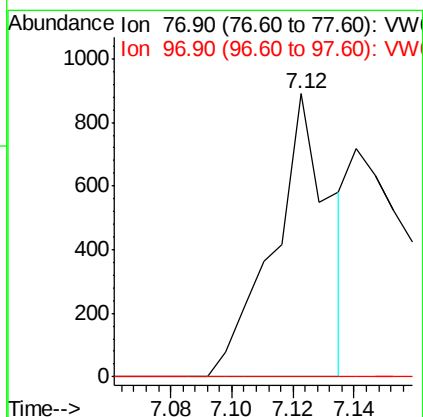
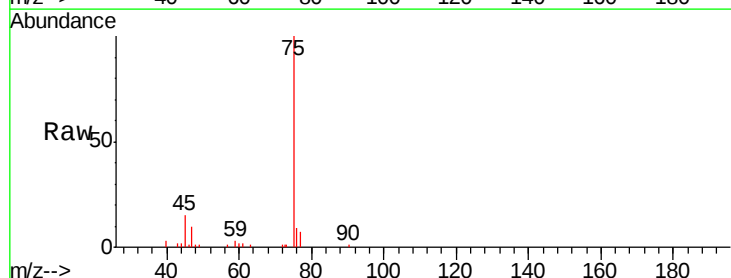
Acq: 23 Sep 2019 19:31

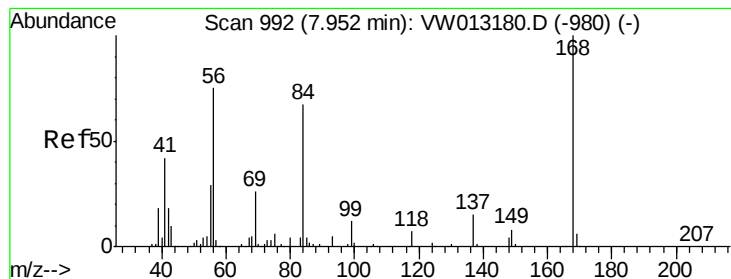
Tgt Ion: 77 Resp: 1134

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#





#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

SB-33-10.5-11.0

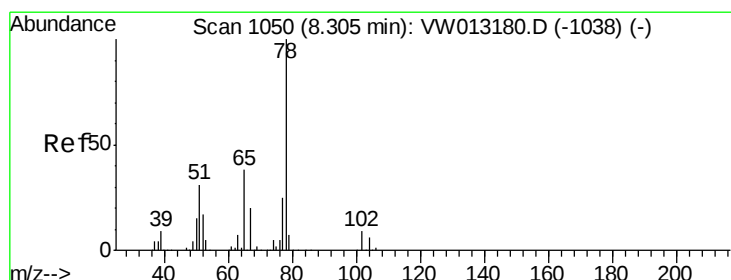
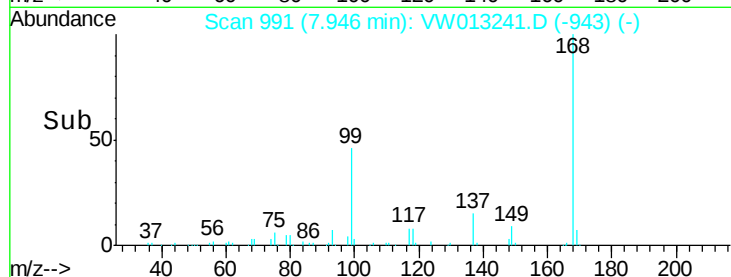
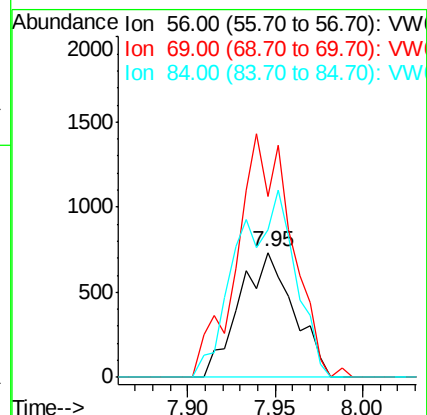
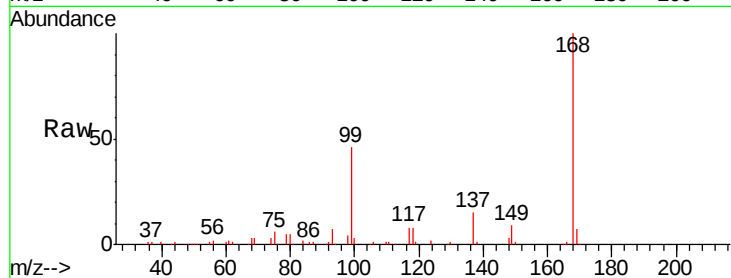
Tgt Ion: 56 Resp: 1593

Ion Ratio Lower Upper

56 100

69 144.9 27.2 40.8#

84 118.0 70.8 106.2#



#33

1,2-Dichloroethane-d4

Concen: 54.873 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013241.D

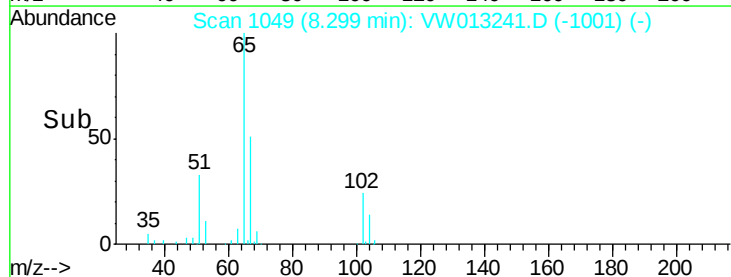
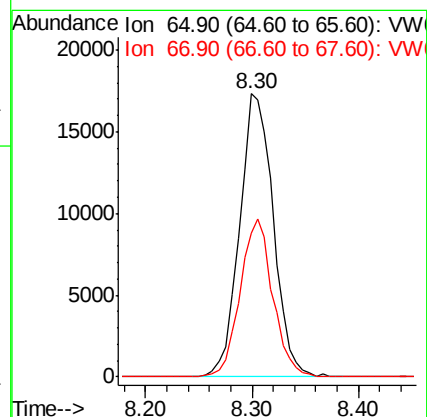
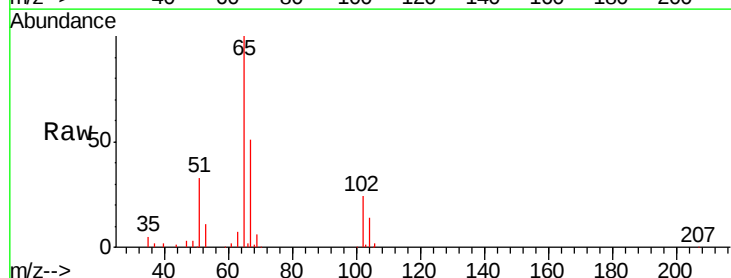
Acq: 23 Sep 2019 19:31

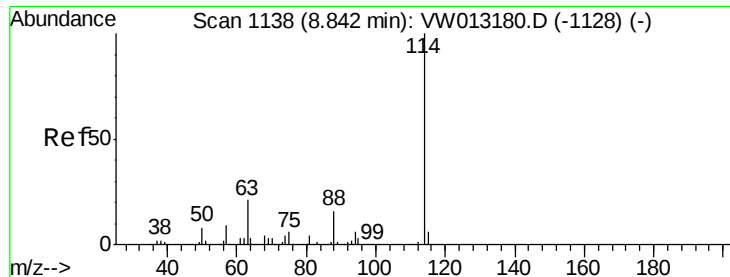
Tgt Ion: 65 Resp: 38563

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

SB-33-10.5-11.0

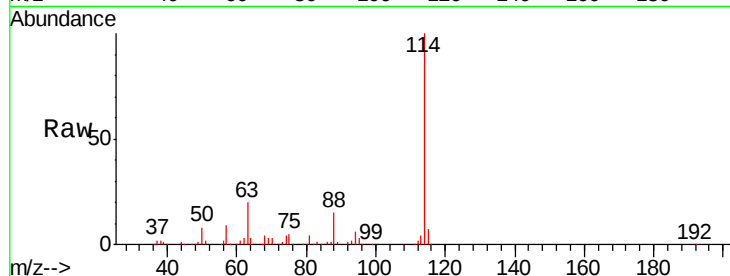
Tgt Ion:114 Resp: 127249

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

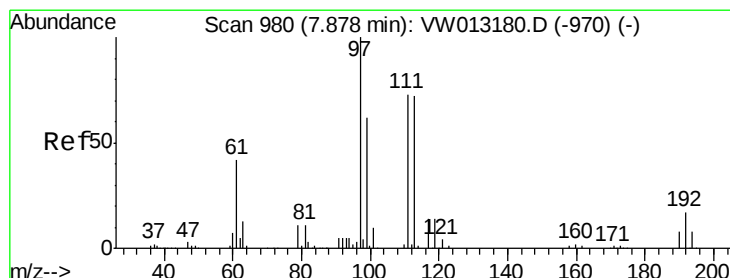
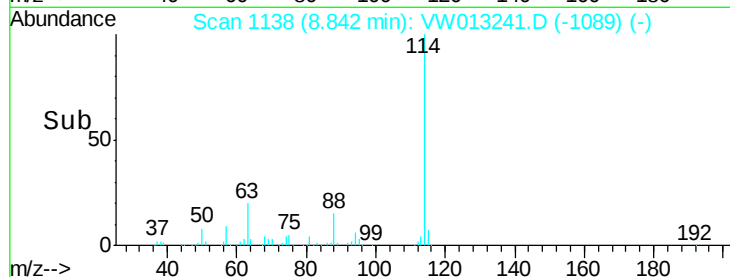
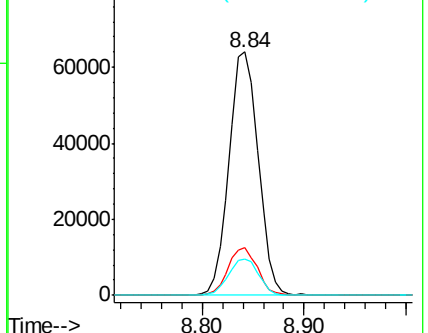
88 14.7 0.0 32.0



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: 52.584 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

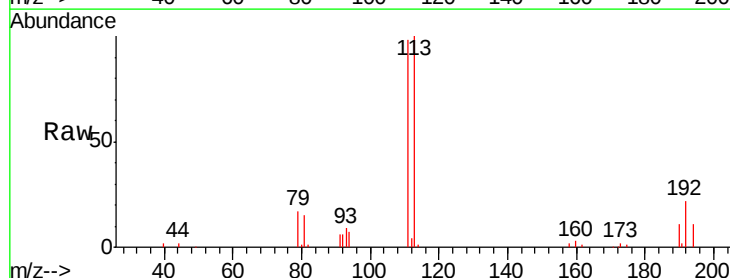
Tgt Ion:113 Resp: 36802

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

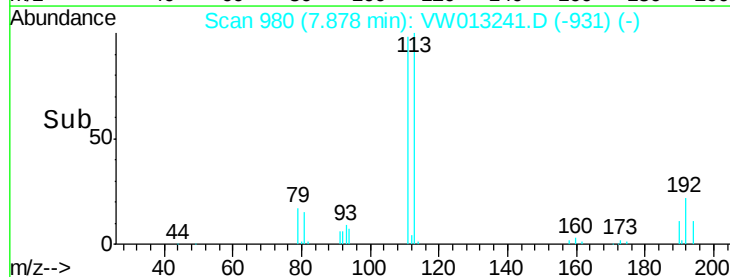
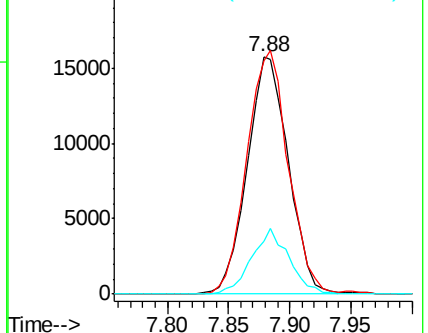
192 25.2 19.1 28.7

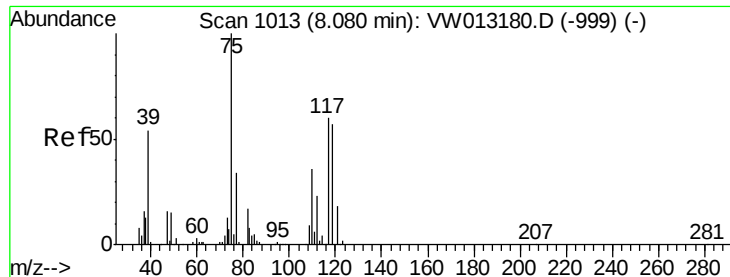


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.925 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

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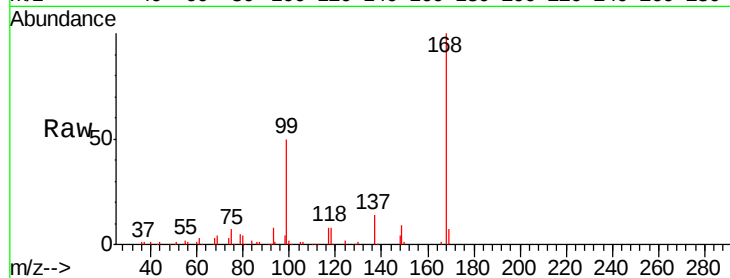
Tgt Ion: 75 Resp: 6070

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

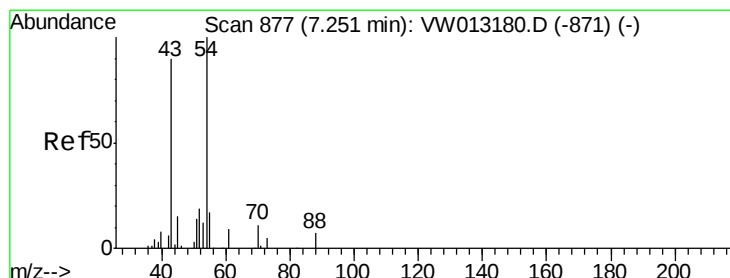
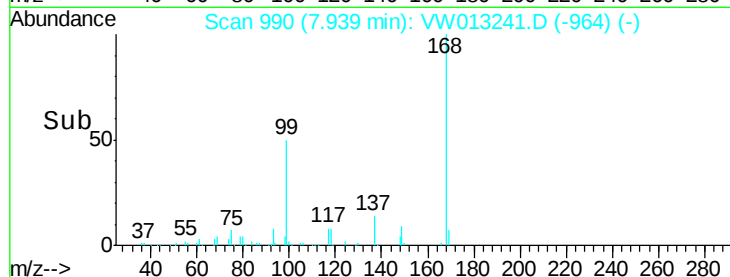
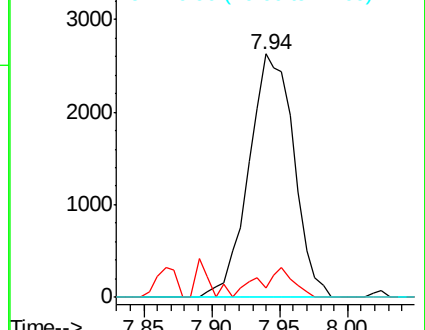
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2.589 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.12 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

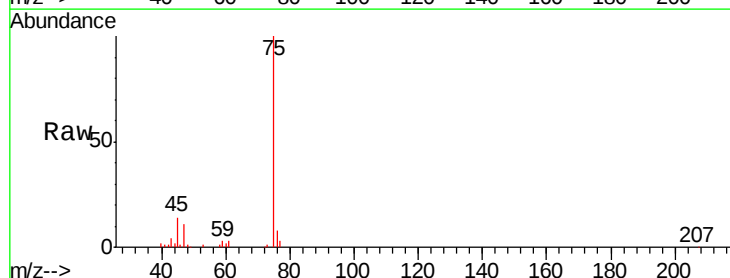
Tgt Ion: 43 Resp: 1356

Ion Ratio Lower Upper

43 100

61 83.4 10.9 16.3#

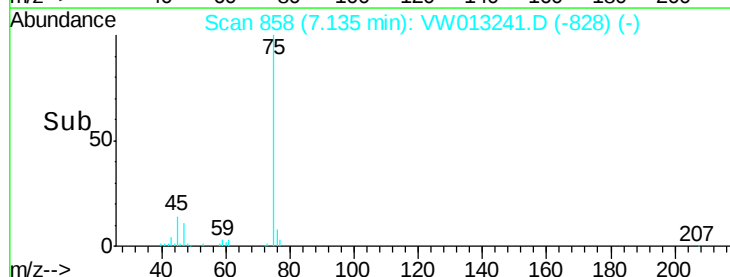
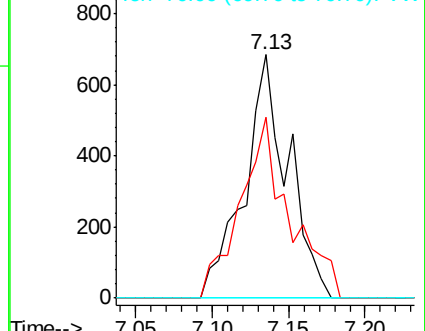
70 0.0 8.2 12.2#

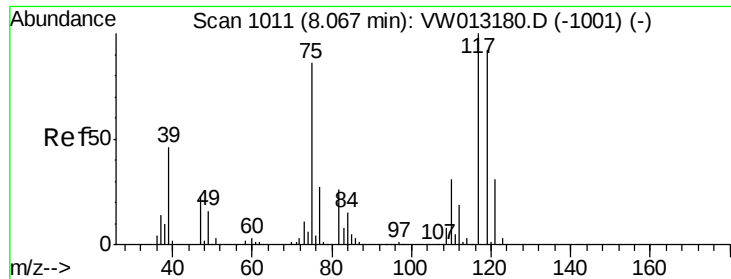


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

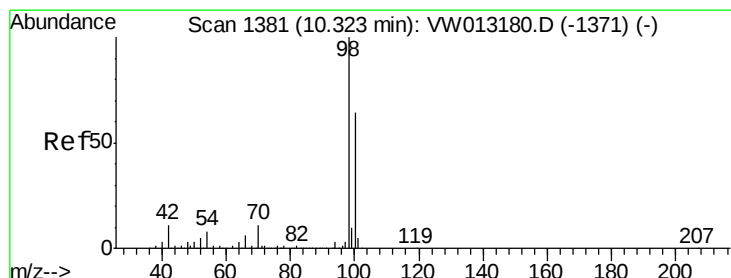
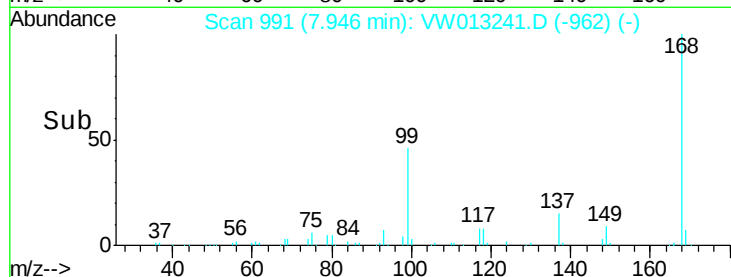
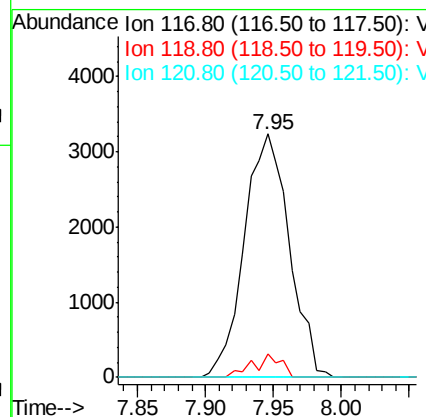
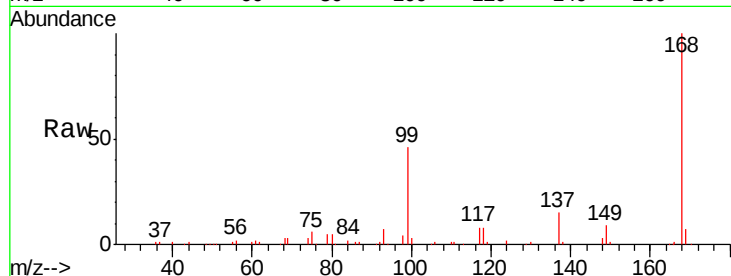




#38
Carbon Tetrachloride
Concen: 6.788 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013241.D
Acq: 23 Sep 2019 19:31

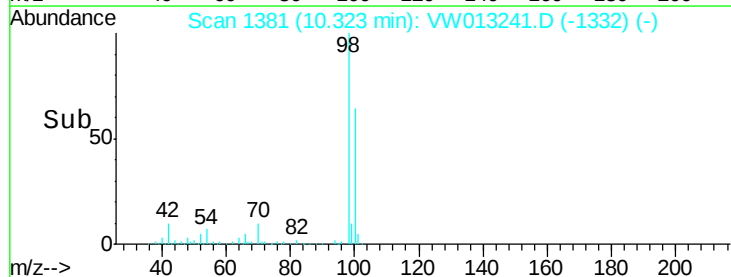
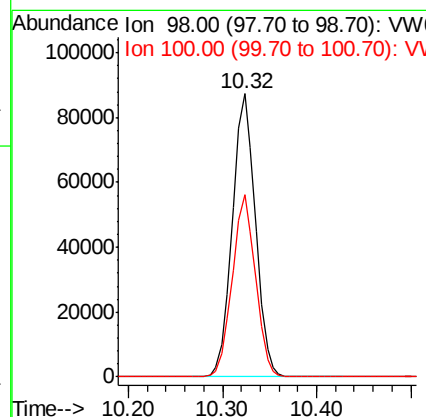
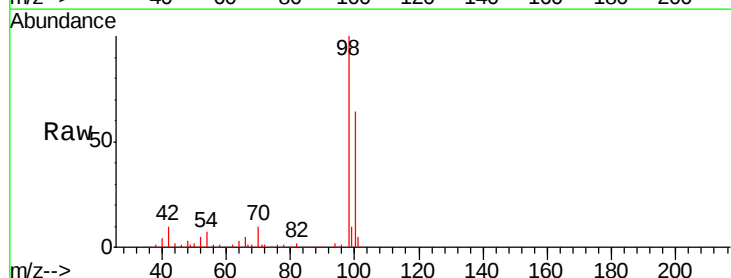
Instrument :
MSVOA_W
ClientSampleId :
SB-33-10.5-11.0

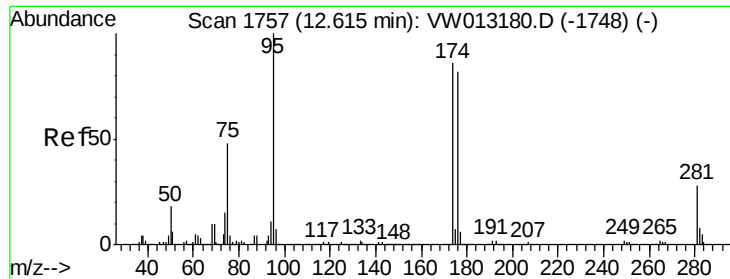
Tgt Ion:117 Resp: 7500
Ion Ratio Lower Upper
117 100
119 9.8 73.5 110.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.909 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013241.D
Acq: 23 Sep 2019 19:31

Tgt Ion: 98 Resp: 149114
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3

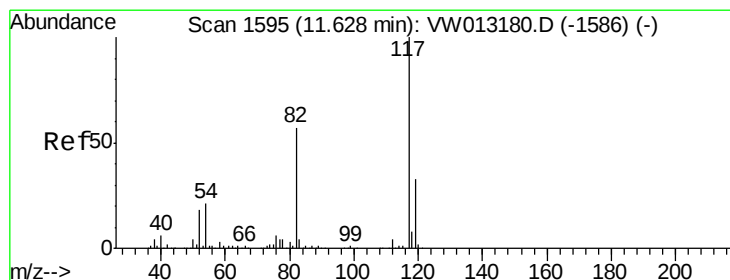
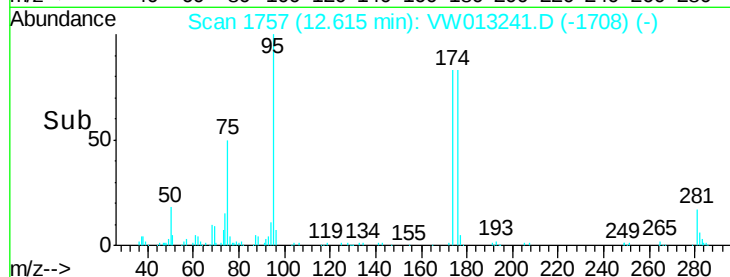
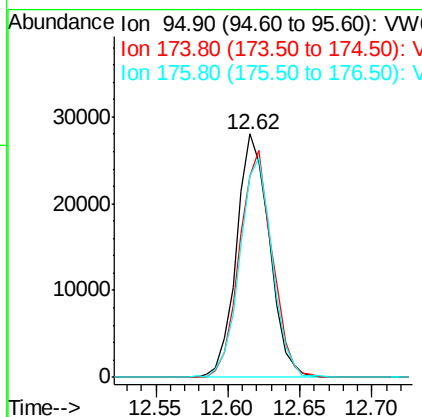
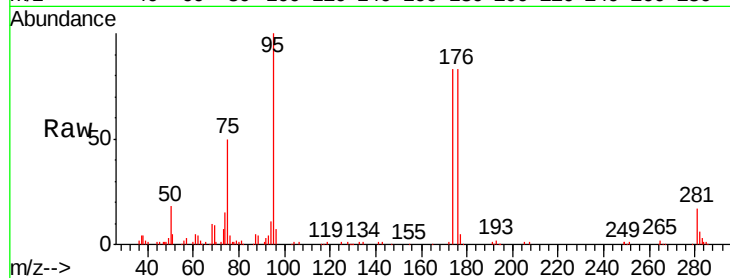




#62
4-Bromofluorobenzene
Concen: 44.402 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013241.D
Acq: 23 Sep 2019 19:31

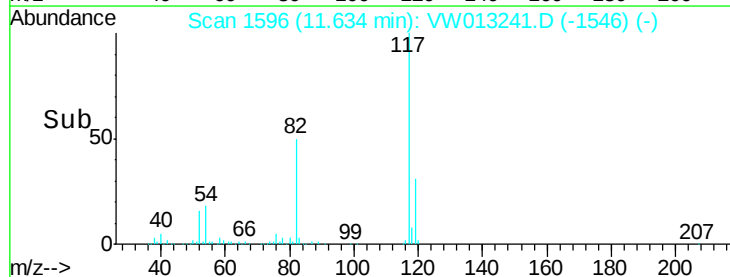
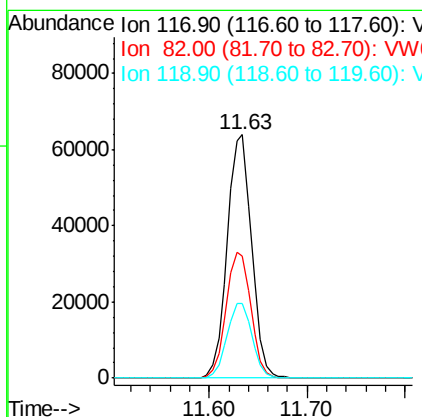
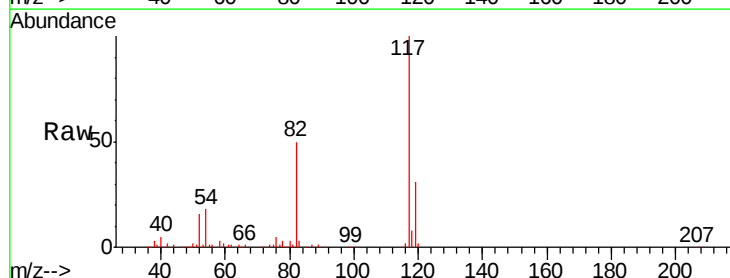
Instrument :
MSVOA_W
ClientSampleId :
SB-33-10.5-11.0

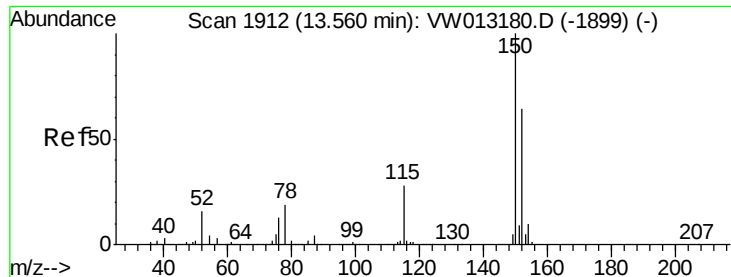
Tgt Ion: 95 Resp: 44426
Ion Ratio Lower Upper
95 100
174 92.6 0.0 178.4
176 89.0 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013241.D
Acq: 23 Sep 2019 19:31

Tgt Ion: 117 Resp: 110591
Ion Ratio Lower Upper
117 100
82 50.0 45.9 68.9
119 30.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

SB-33-10.5-11.0

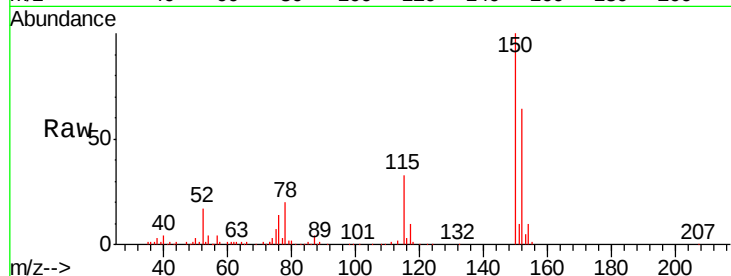
Tgt Ion:152 Resp: 45084

Ion Ratio Lower Upper

152 100

115 55.8 27.3 81.9

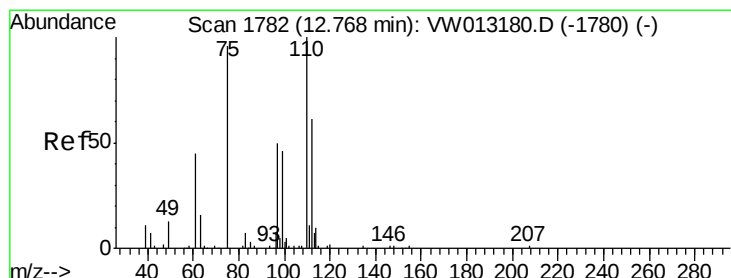
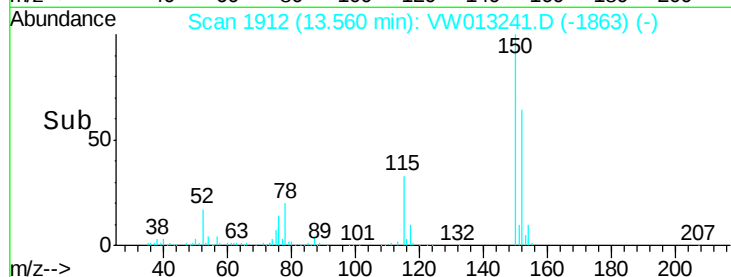
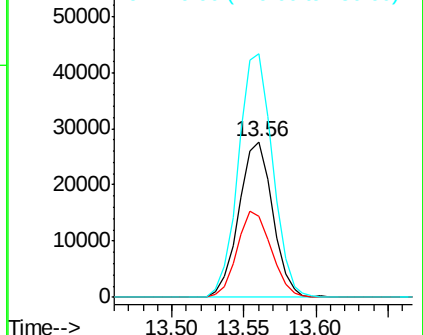
150 158.5 0.0 349.0



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: 56.335 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013241.D

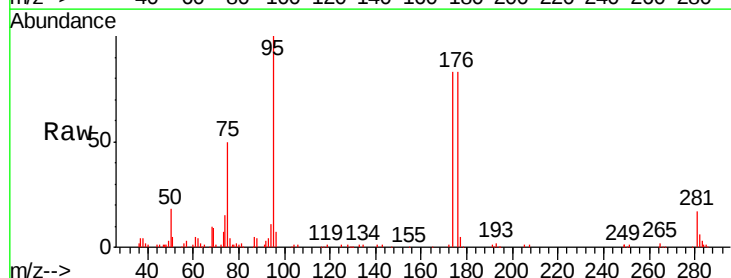
Acq: 23 Sep 2019 19:31

Tgt Ion: 75 Resp: 22430

Ion Ratio Lower Upper

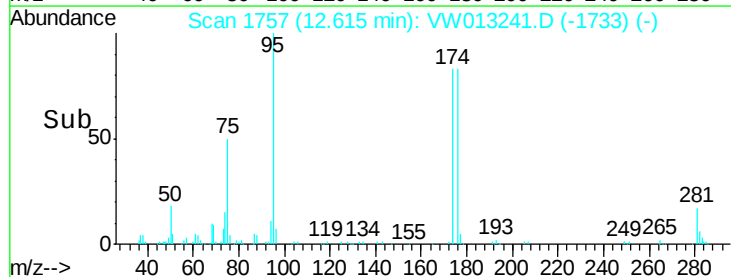
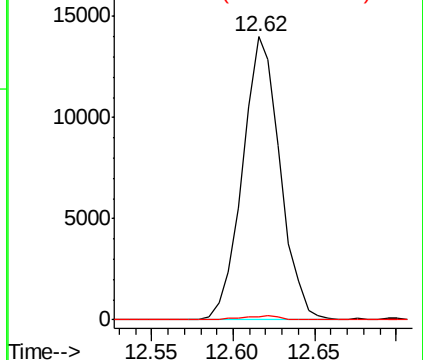
75 100

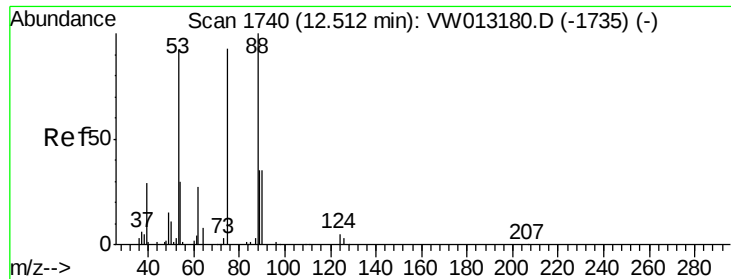
77 1.3 0.0 0.0#



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: 126.412 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

SB-33-10.5-11.0

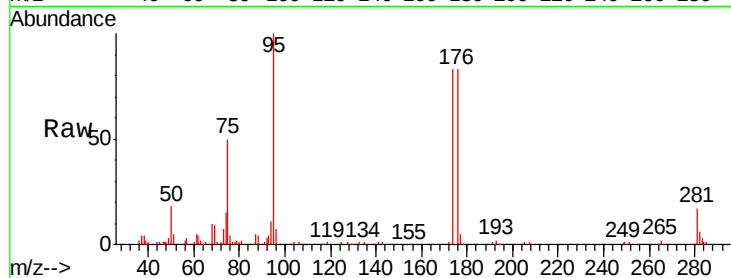
Tgt Ion: 75 Resp: 22430

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

