

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013259.D
 Acq On : 24 Sep 2019 05:30
 Operator : SY/VA
 Sample : K4957-09
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-32-9.5-10.0

Quant Time: Sep 24 06:46:28 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	168510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	246876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78219	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	69213	50.33	ug/l	0.00
Spiked Amount	50.000			Recovery	=	100.66%	
35) Dibromofluoromethane		7.88	113	69634	51.28	ug/l	0.00
Spiked Amount	50.000			Recovery	=	102.56%	
50) Toluene-d8		10.32	98	286326	50.39	ug/l	0.00
Spiked Amount	50.000			Recovery	=	100.78%	
62) 4-Bromofluorobenzene		12.62	95	79966	41.20	ug/l	0.00
Spiked Amount	50.000			Recovery	=	82.40%	

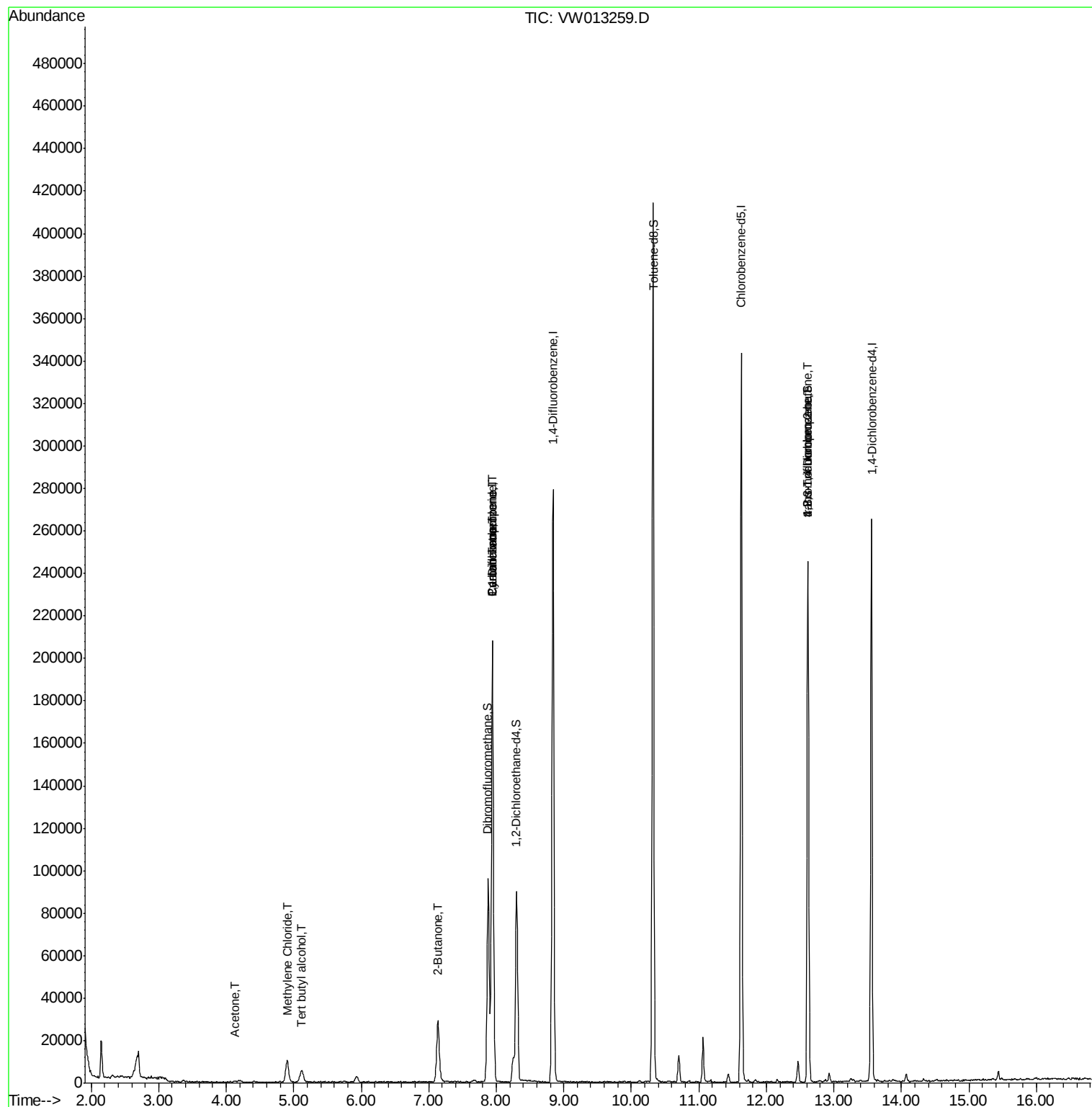
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	5332	45.592	ug/l #	73
16) Acetone	4.12	43	650	2.096	ug/l	95
20) Methylene Chloride	4.91	84	7767	2.115	ug/l	87
25) 2-Butanone	7.13	43	1510	3.243	ug/l #	51
26) 2,2-Dichloropropane	7.13	77	953	Below Cal	#	52
31) Cyclohexane	7.95	56	3002	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	10731	4.488	ug/l #	51
38) Carbon Tetrachloride	7.95	117	14470	6.751	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	38612	55.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38612	125.427	ug/l #	12

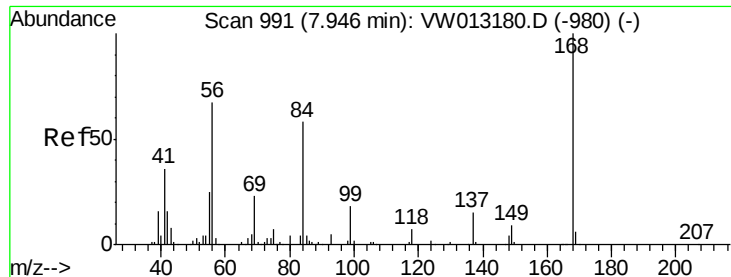
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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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: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

MSVOA_W

ClientSampled :

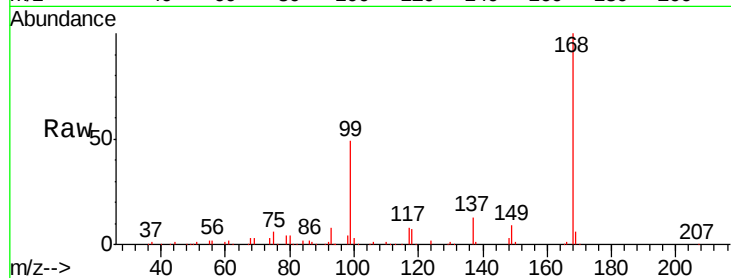
SB-32-9.5-10.0

Tgt Ion: 168 Resp: 168510

Ion Ratio Lower Upper

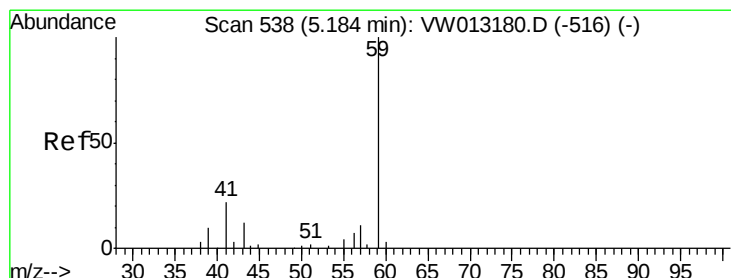
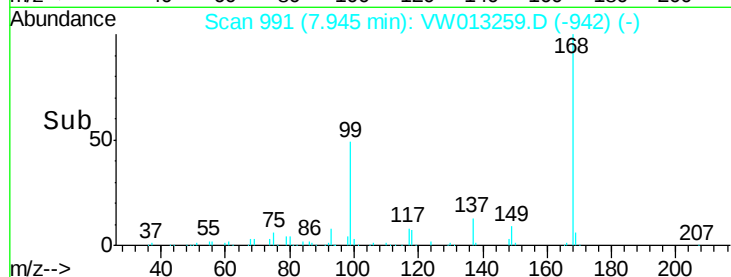
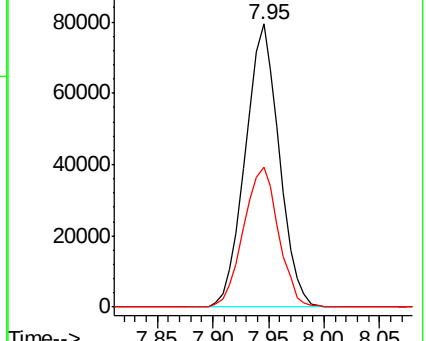
168 100

99 49.4 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: 45.592 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013259.D

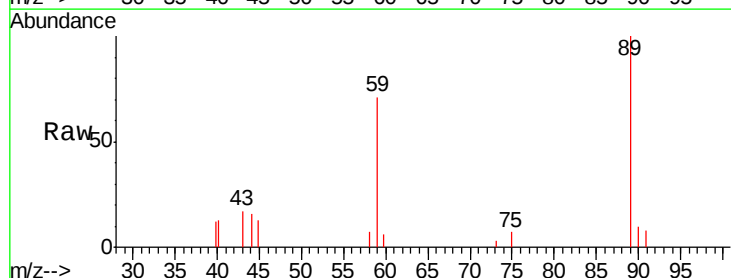
Acq: 24 Sep 2019 05:30

Tgt Ion: 59 Resp: 5332

Ion Ratio Lower Upper

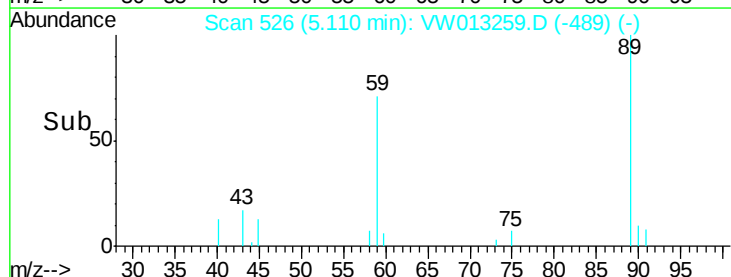
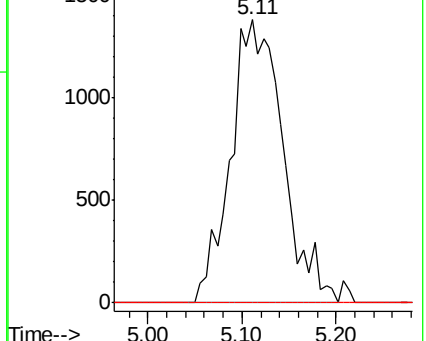
59 100

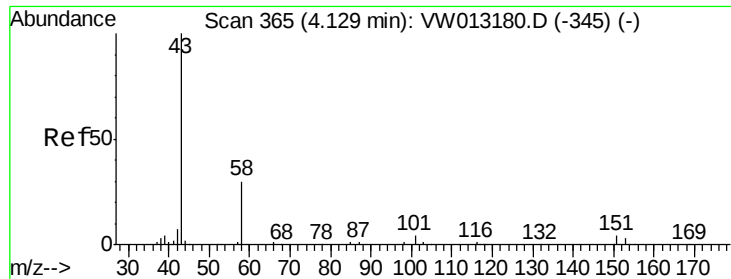
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.096 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

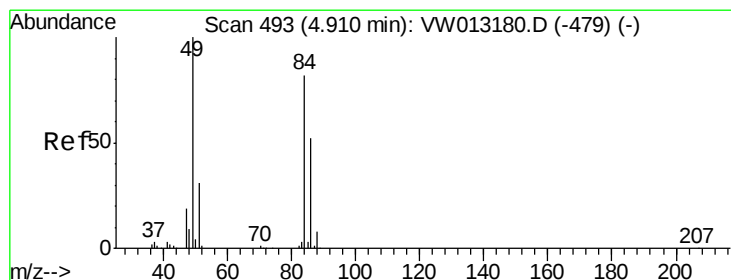
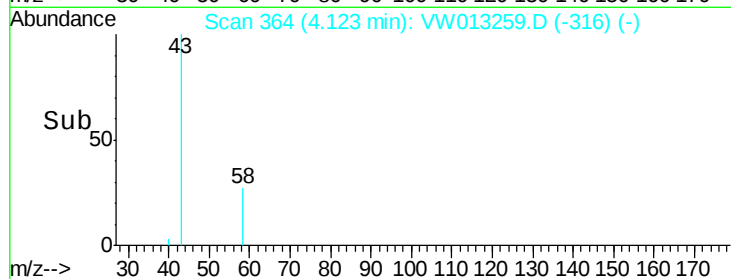
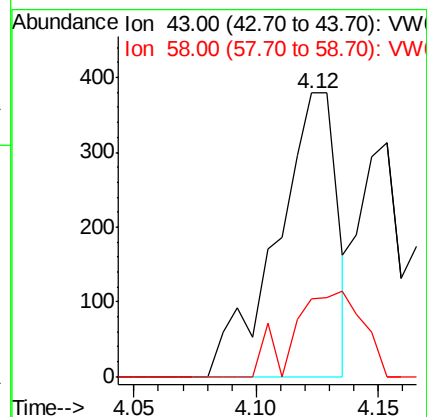
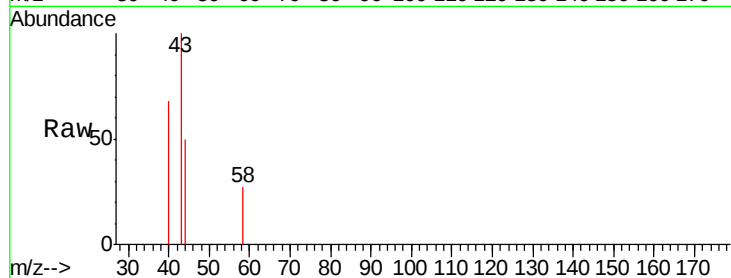
SB-32-9.5-10.0

Tgt Ion: 43 Resp: 650

Ion Ratio Lower Upper

43 100

58 27.4 24.1 36.1



#20

Methylene Chloride

Concen: 2.115 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

Tgt Ion: 84 Resp: 7767

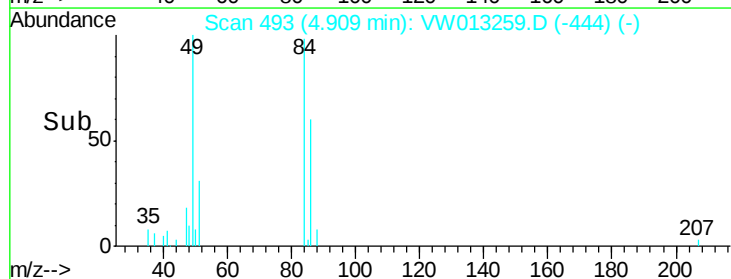
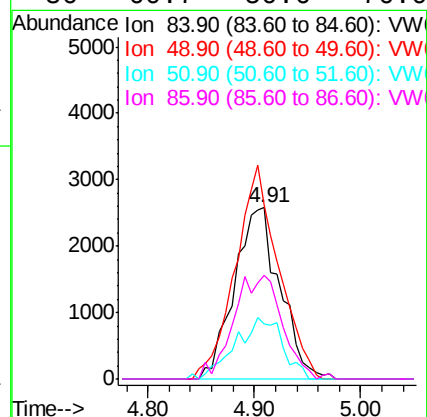
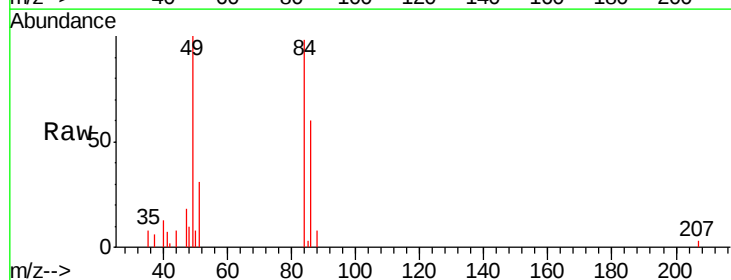
Ion Ratio Lower Upper

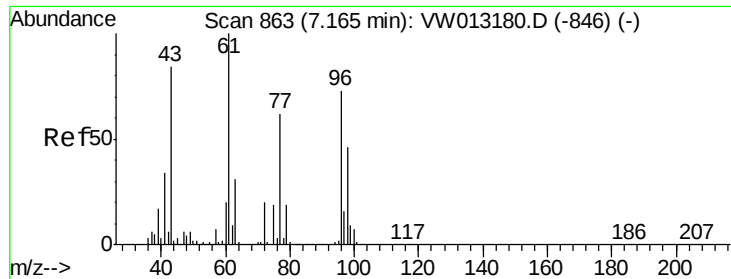
84 100

49 101.6 97.6 146.4

51 31.9 30.2 45.2

86 60.7 50.6 76.0





#25

2-Butanone

Concen: 3.243 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

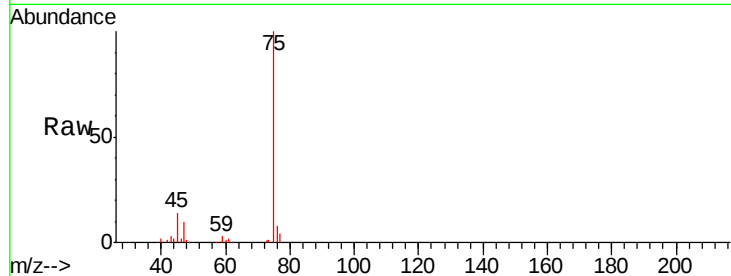
SB-32-9.5-10.0

Tgt Ion: 43 Resp: 1510

Ion Ratio Lower Upper

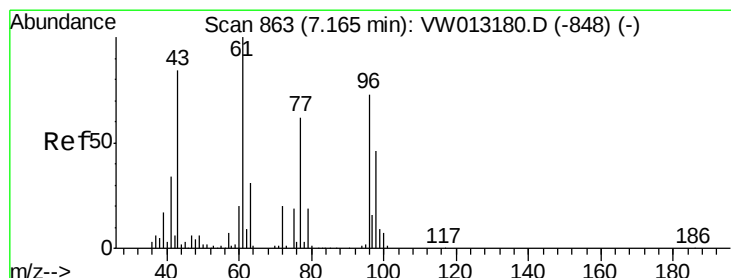
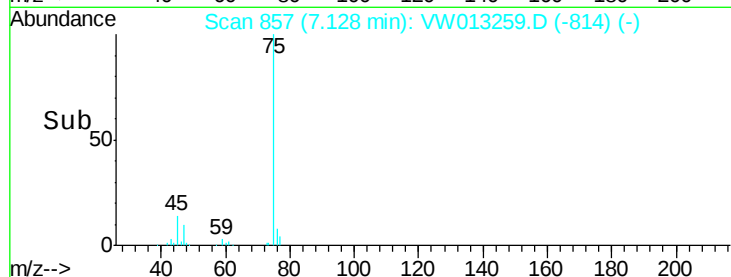
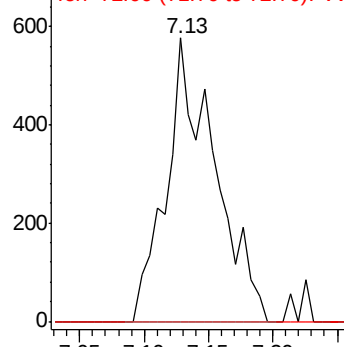
43 100

72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013259.D

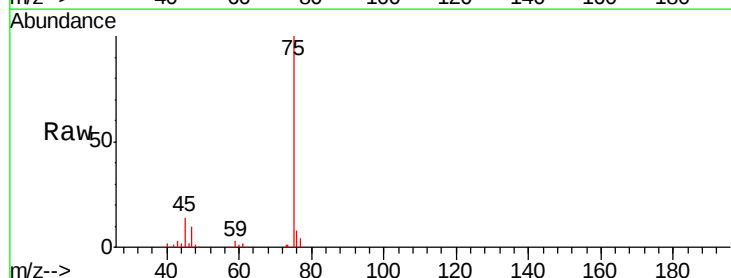
Acq: 24 Sep 2019 05:30

Tgt Ion: 77 Resp: 953

Ion Ratio Lower Upper

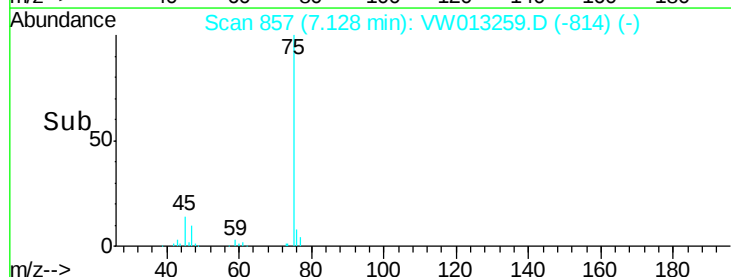
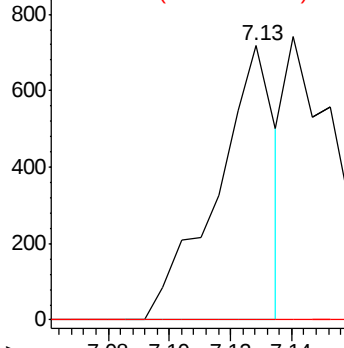
77 100

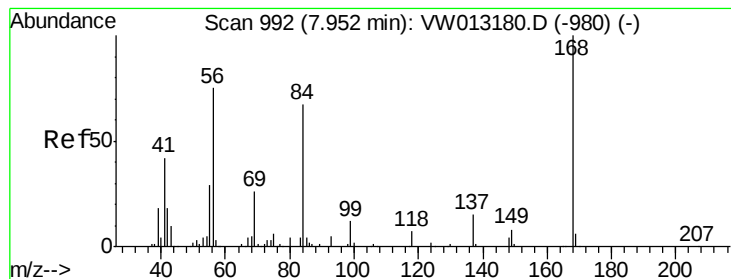
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: 1.007 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

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ClientSampleId :

SB-32-9.5-10.0

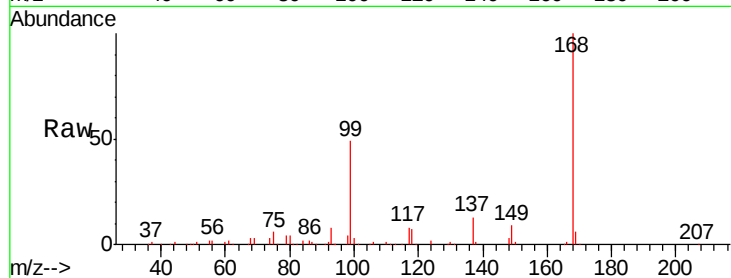
Tgt Ion: 56 Resp: 3002

Ion Ratio Lower Upper

56 100

69 165.0 27.2 40.8#

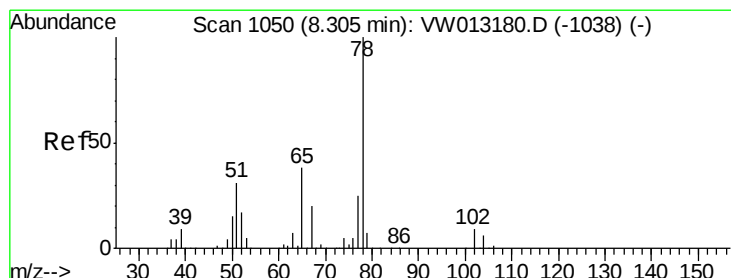
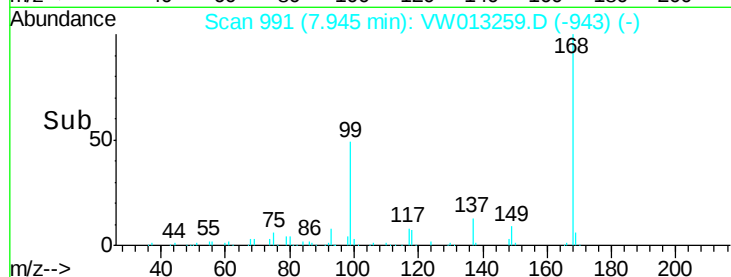
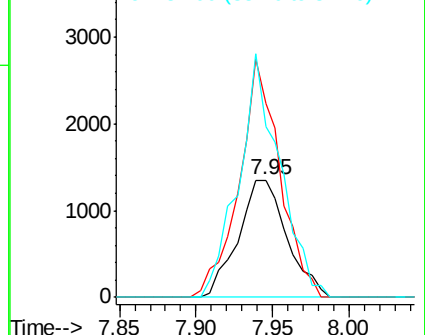
84 145.1 70.8 106.2#



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: 50.326 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013259.D

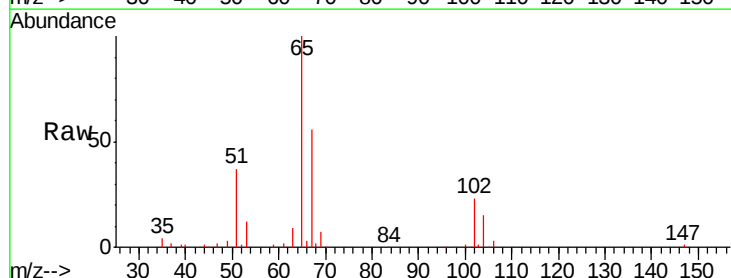
Acq: 24 Sep 2019 05:30

Tgt Ion: 65 Resp: 69213

Ion Ratio Lower Upper

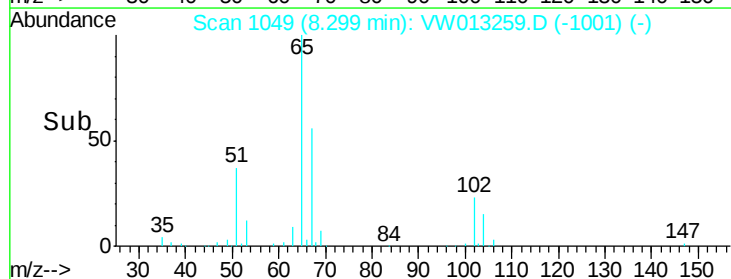
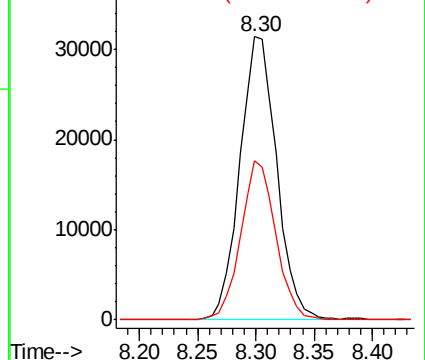
65 100

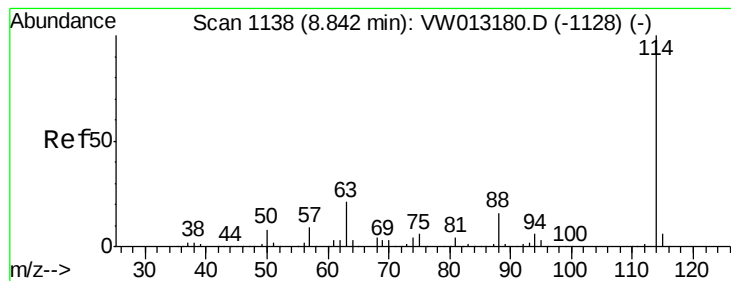
67 53.6 0.0 106.2



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: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

SB-32-9.5-10.0

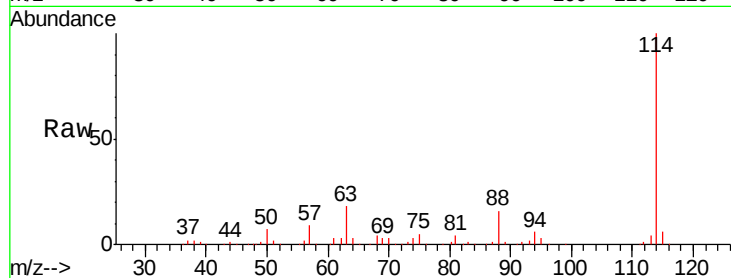
Tgt Ion:114 Resp: 246876

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.4

88 15.6 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

8.84

150000

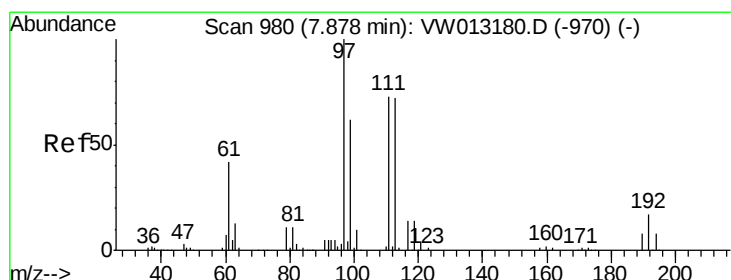
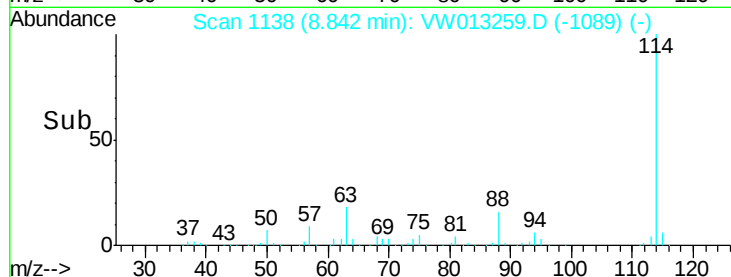
100000

50000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#35

Dibromofluoromethane

Concen: 51.284 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

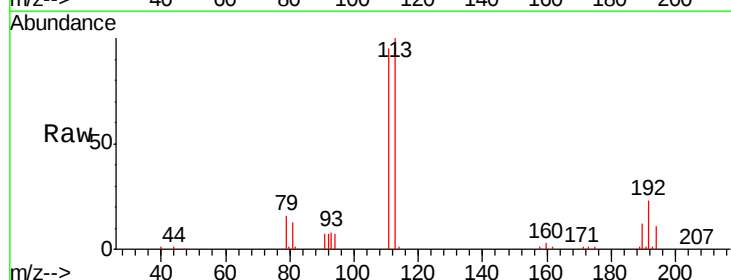
Tgt Ion:113 Resp: 69634

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 24.0 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

7.88

40000

30000

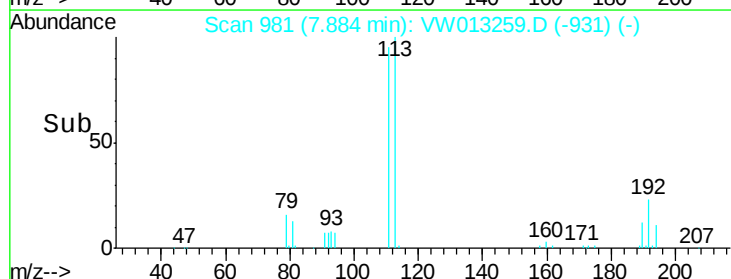
20000

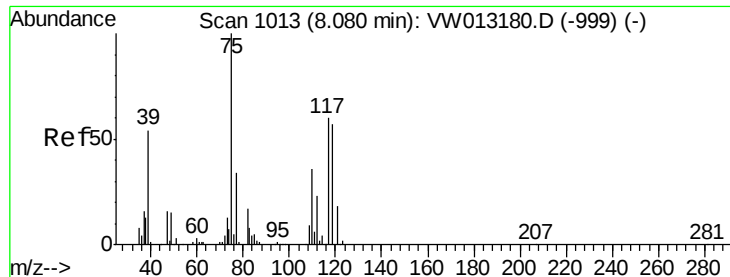
10000

0

7.80 7.85 7.90 7.95

Time-->





#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

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ClientSampleId :

SB-32-9.5-10.0

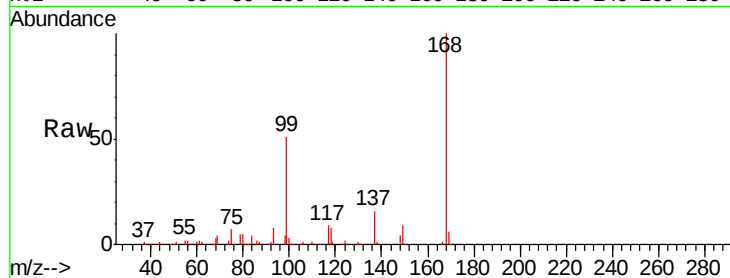
Tgt Ion: 75 Resp: 10731

Ion Ratio Lower Upper

75 100

110 12.0 18.1 54.3#

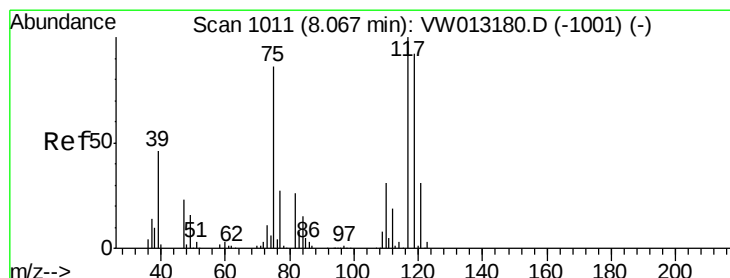
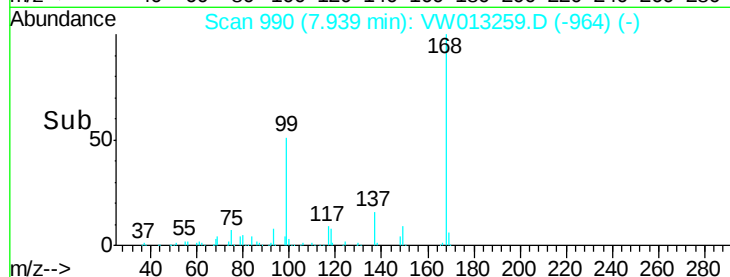
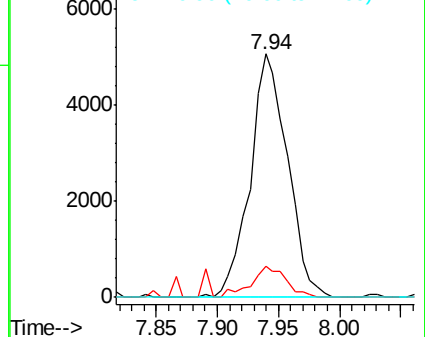
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.751 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

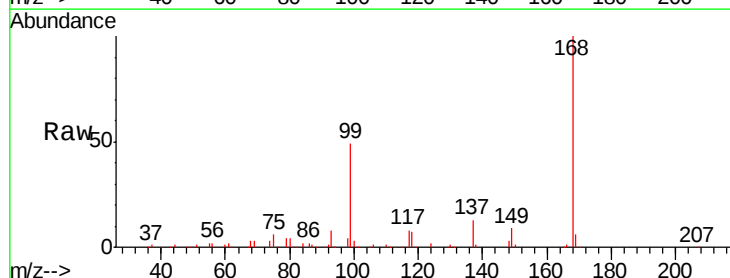
Tgt Ion: 117 Resp: 14470

Ion Ratio Lower Upper

117 100

119 5.0 73.5 110.3#

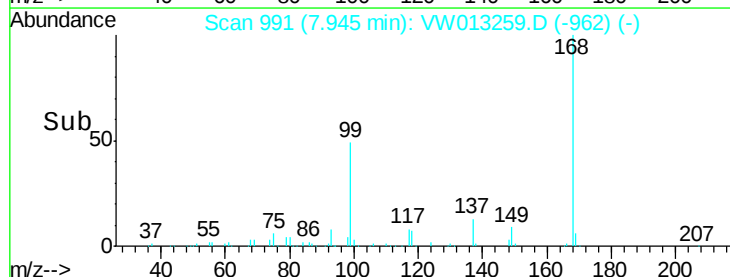
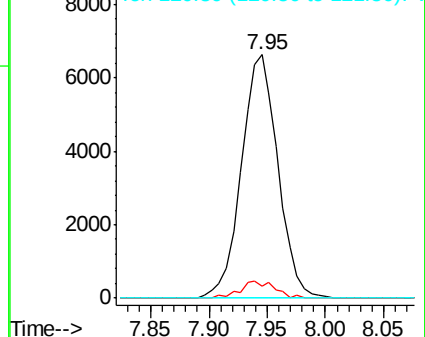
121 0.0 25.0 37.6#

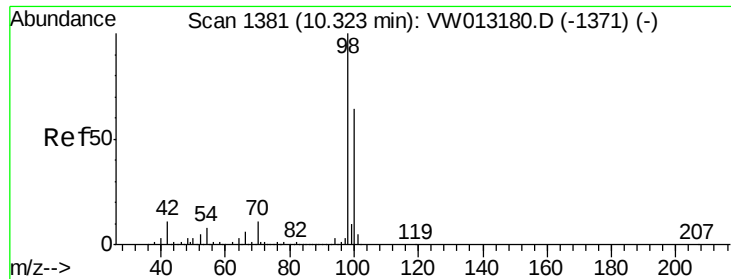


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

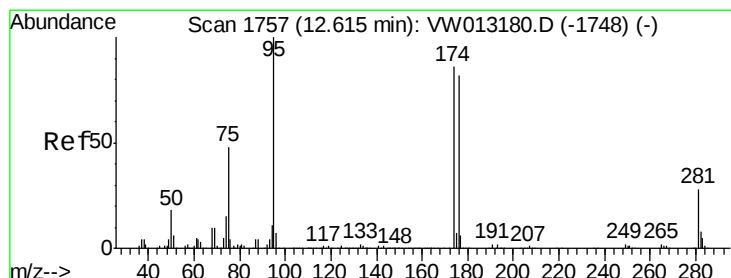
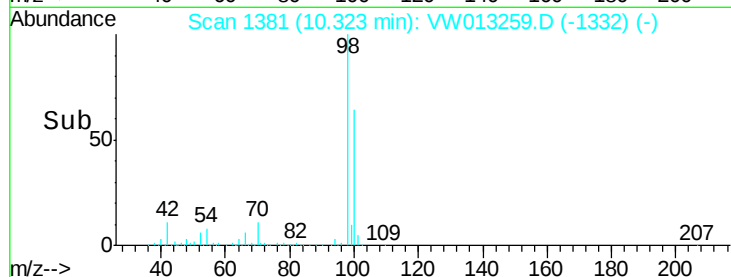
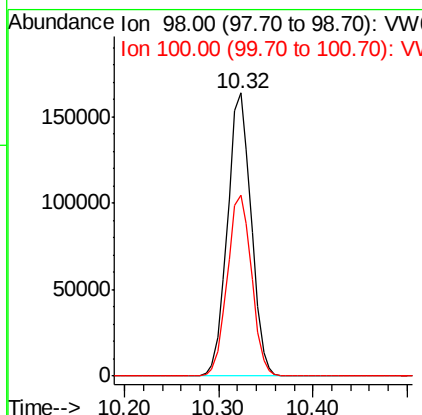
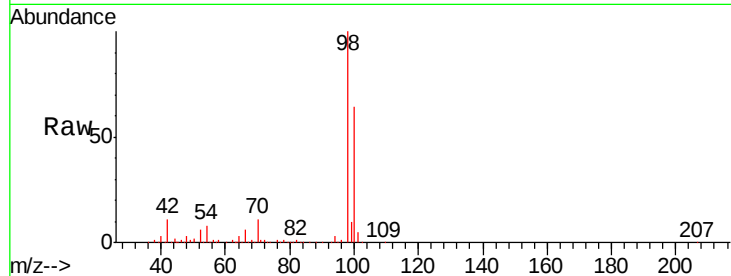




#50
Toluene-d8
Concen: 50.386 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013259.D
Acq: 24 Sep 2019 05:30

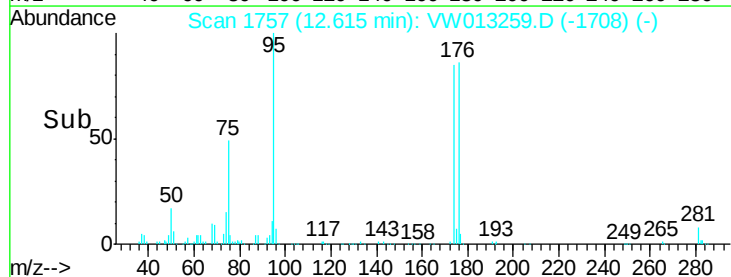
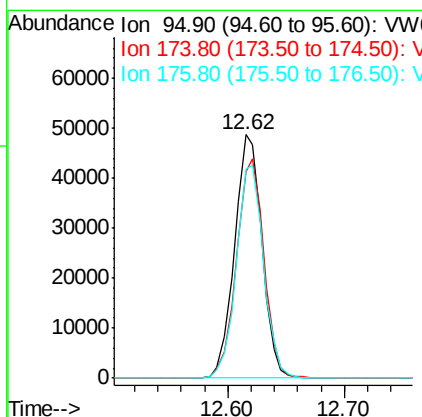
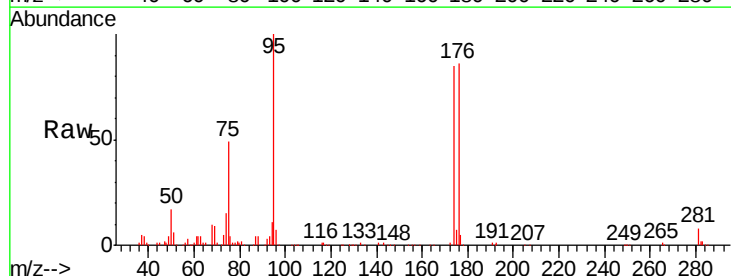
Instrument :
MSVOA_W
ClientSampleId :
SB-32-9.5-10.0

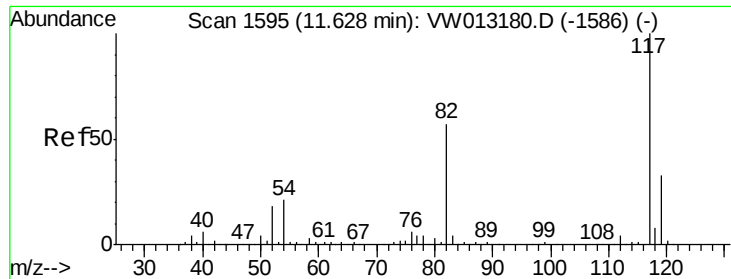
Tgt Ion: 98 Resp: 286326
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 41.195 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013259.D
Acq: 24 Sep 2019 05:30

Tgt Ion: 95 Resp: 79966
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.4
176 87.1 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

SB-32-9.5-10.0

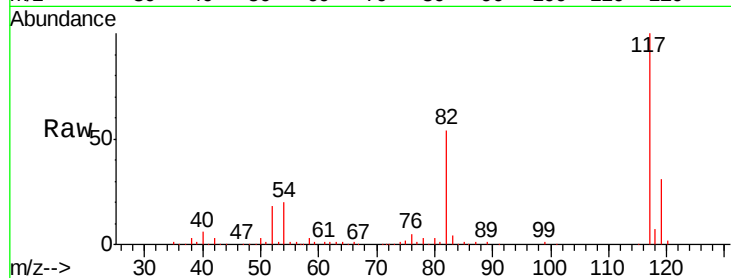
Tgt Ion:117 Resp: 200935

Ion Ratio Lower Upper

117 100

82 54.5 45.9 68.9

119 30.5 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V

11.63

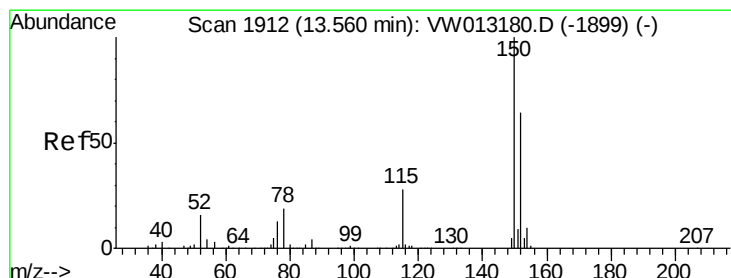
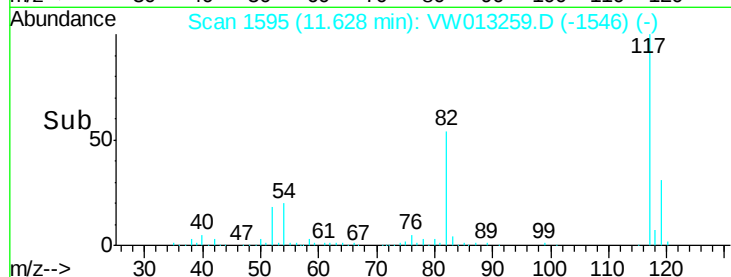
150000

100000

50000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

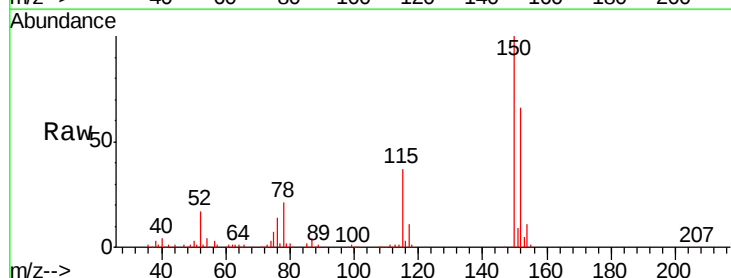
Tgt Ion:152 Resp: 78219

Ion Ratio Lower Upper

152 100

115 55.9 27.3 81.9

150 154.6 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

13.56

100000

80000

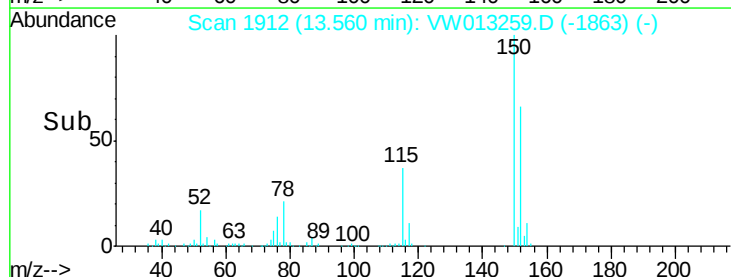
60000

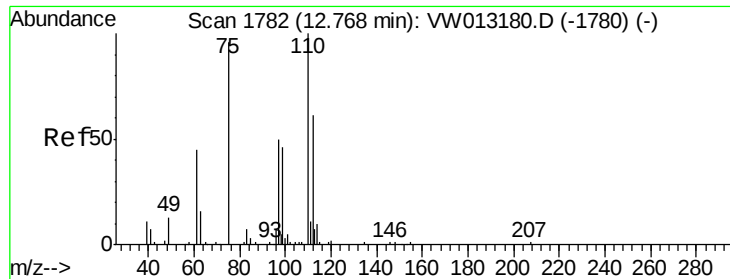
40000

20000

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 55.897 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

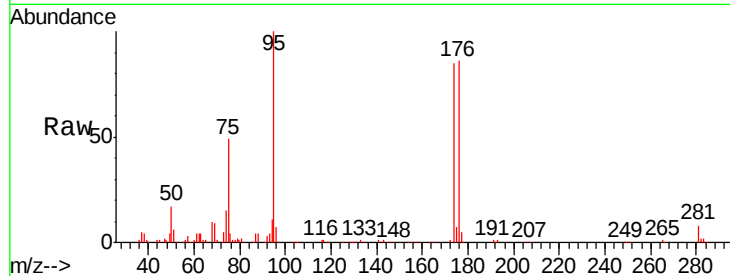
SB-32-9.5-10.0

Tgt Ion: 75 Resp: 38612

Ion Ratio Lower Upper

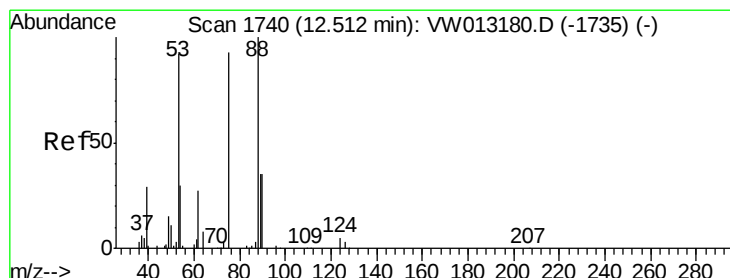
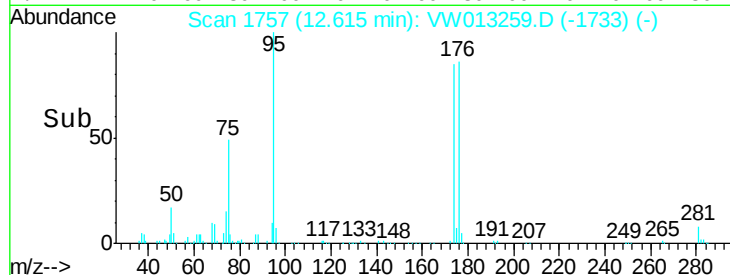
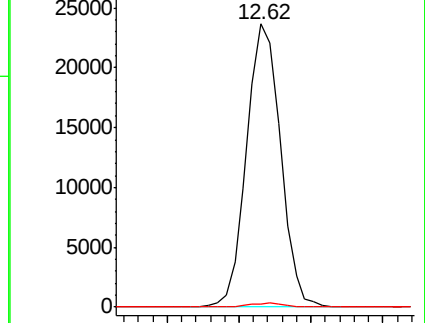
75 100

77 1.5 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: 125.427 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013259.D

Acq: 24 Sep 2019 05:30

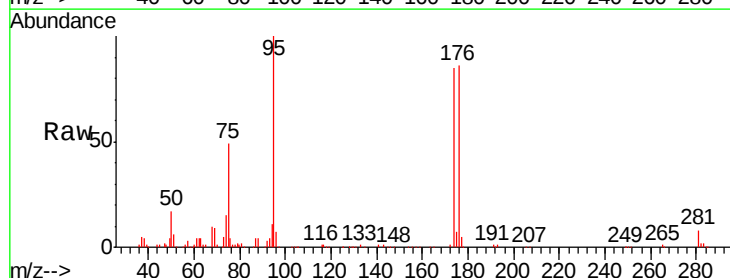
Tgt Ion: 75 Resp: 38612

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 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

