

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013240.D
 Acq On : 23 Sep 2019 19:05
 Operator : SY/VA
 Sample : K4957-05
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-39-14.0-14.5

Quant Time: Sep 24 06:41:57 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

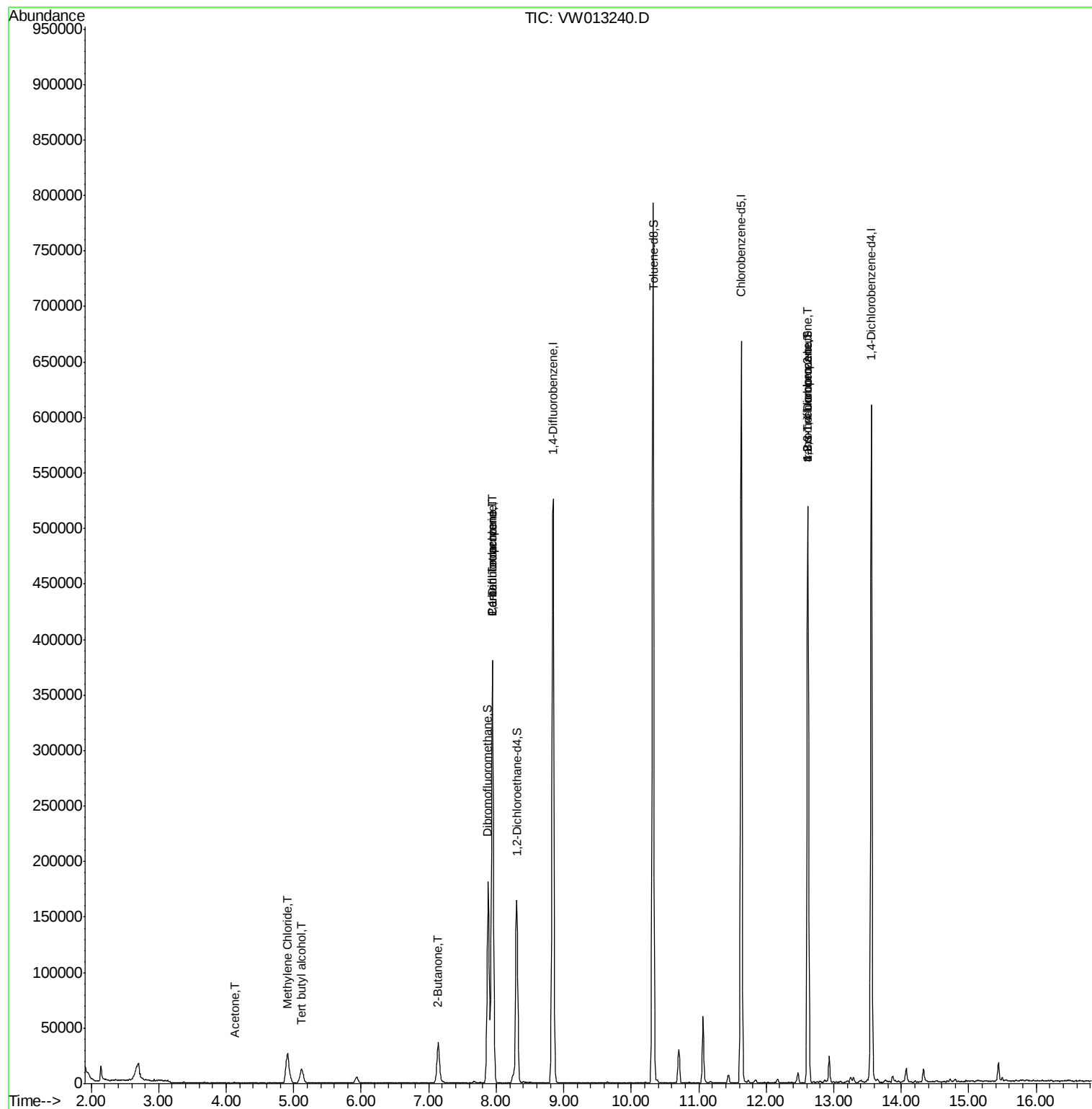
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	311657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	471191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	170597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	129744	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
35) Dibromofluoromethane	7.88	113	127880	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
50) Toluene-d8	10.32	98	541366	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	167654	45.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.50%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.11	59	11673	55.903	ug/l #	74
16) Acetone	4.14	43	2010	3.504	ug/l	94
20) Methylene Chloride	4.91	84	23015	5.245	ug/l	95
25) 2-Butanone	7.12	43	883	1.025	ug/l #	51
26) 2,2-Dichloropropane	7.14	77	2355	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	20812	4.560	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26808	6.553	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	78048	51.804	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78048	116.244	ug/l #	12

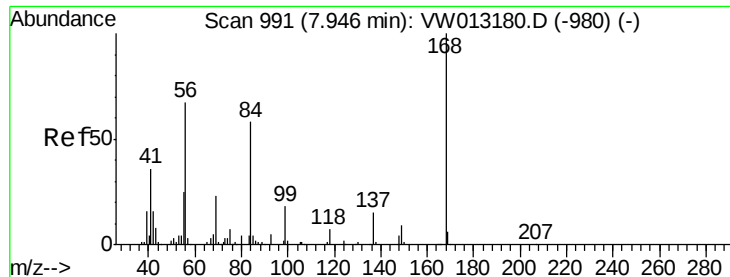
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW013240.D

Acq: 23 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

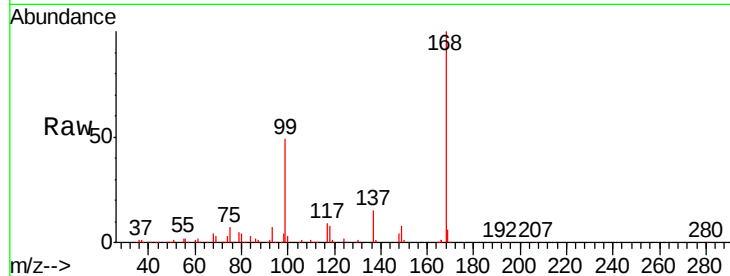
SB-39-14.0-14.5

Tgt Ion:168 Resp: 311657

Ion Ratio Lower Upper

168 100

99 48.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

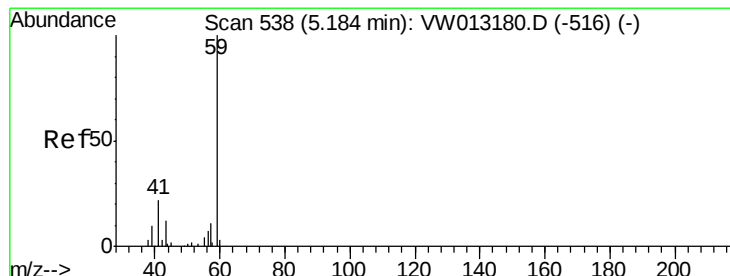
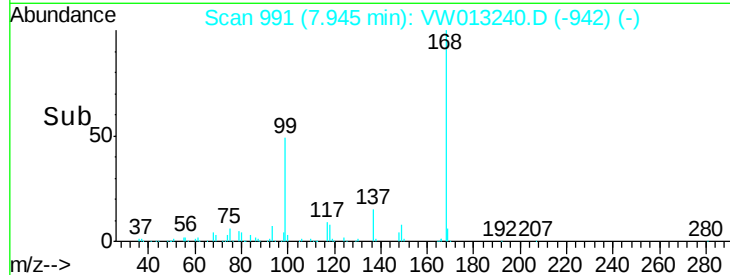
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 55.903 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013240.D

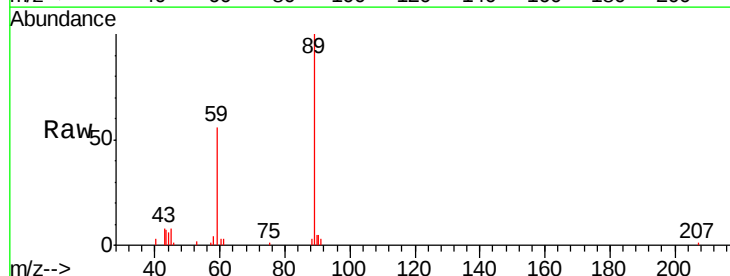
Acq: 23 Sep 2019 19:05

Tgt Ion: 59 Resp: 11673

Ion Ratio Lower Upper

59 100

57 0.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

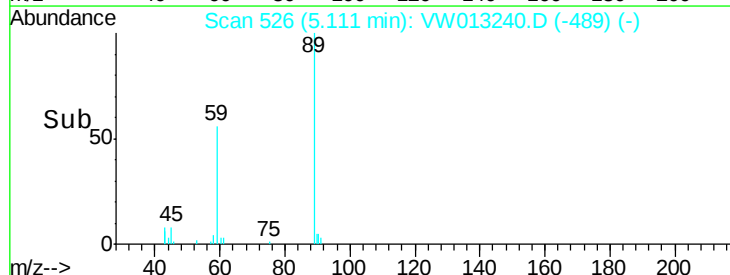
3000

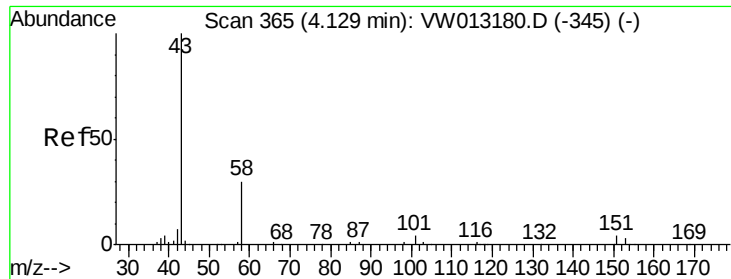
2000

1000

0

Time-->





#16

Acetone

Concen: 3.504 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013240.D

Acq: 23 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

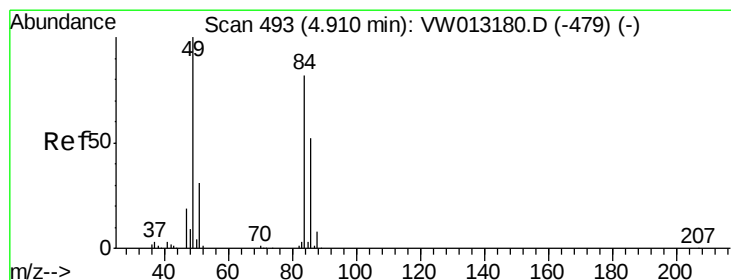
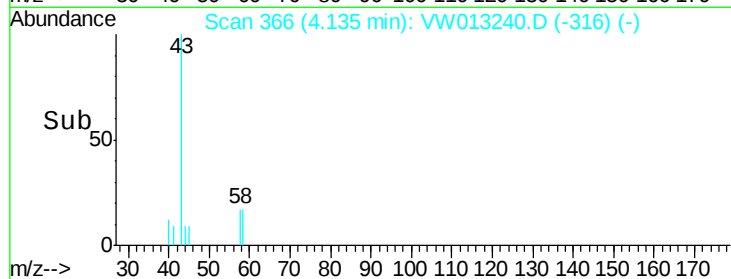
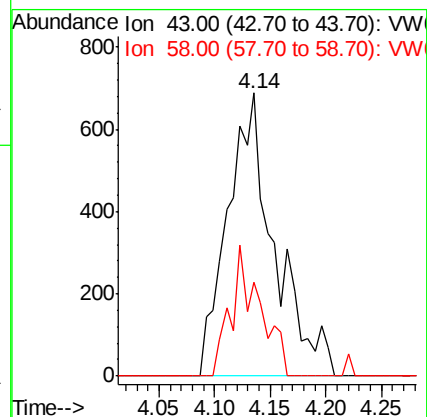
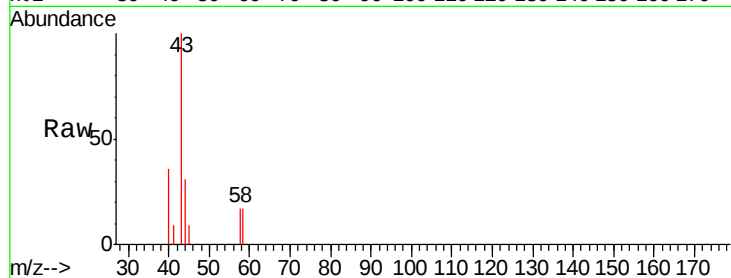
SB-39-14.0-14.5

Tgt Ion: 43 Resp: 2010

Ion Ratio Lower Upper

43 100

58 33.3 24.1 36.1



#20

Methylene Chloride

Concen: 5.245 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013240.D

Acq: 23 Sep 2019 19:05

Tgt Ion: 84 Resp: 23015

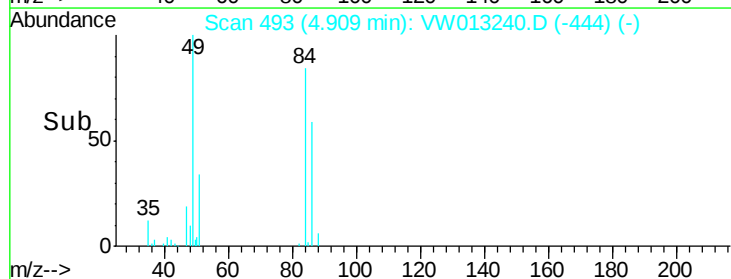
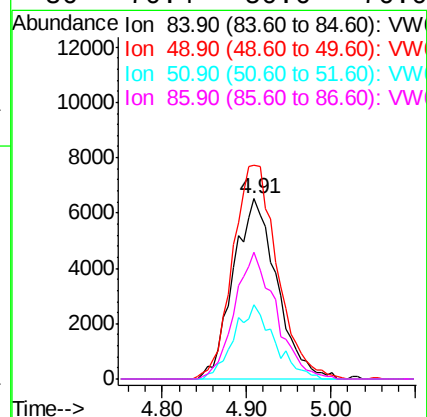
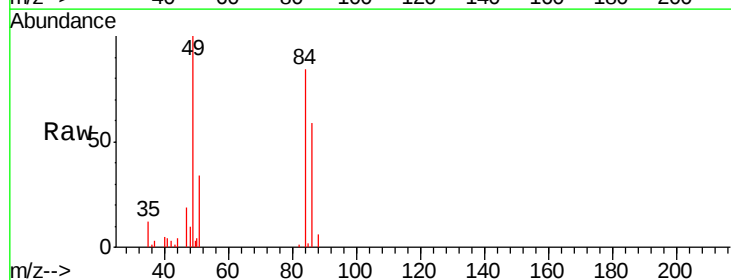
Ion Ratio Lower Upper

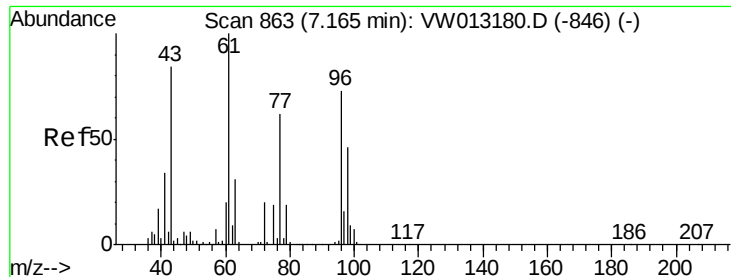
84 100

49 118.6 97.6 146.4

51 40.9 30.2 45.2

86 70.4 50.6 76.0





#25

2-Butanone

Concen: 1.025 ug/l

RT: 7.12 min Scan# 856

Delta R.T. -0.04 min

Lab File: VW013240.D

Acq: 23 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

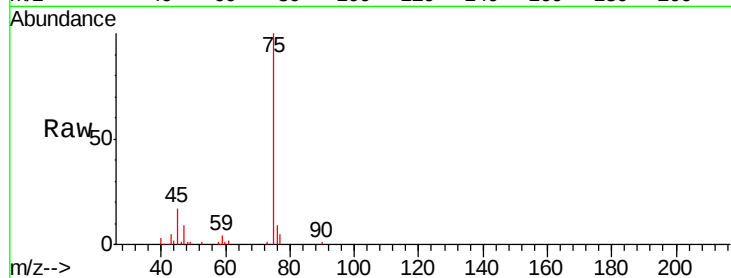
SB-39-14.0-14.5

Tgt Ion: 43 Resp: 883

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

800

600

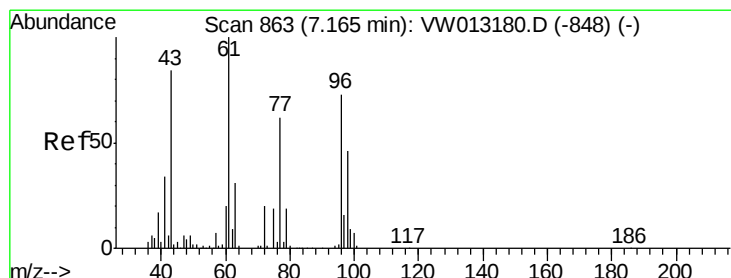
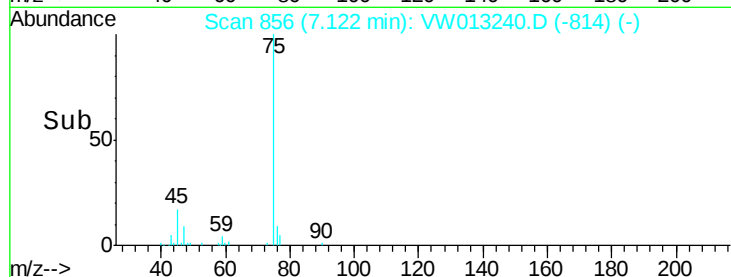
400

200

0

7.08 7.10 7.12 7.14

Time-->



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013240.D

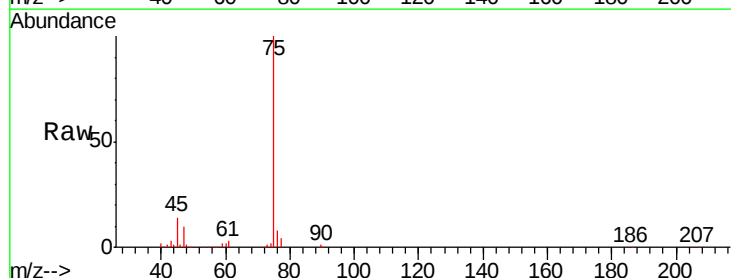
Acq: 23 Sep 2019 19:05

Tgt Ion: 77 Resp: 2355

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

1000

800

600

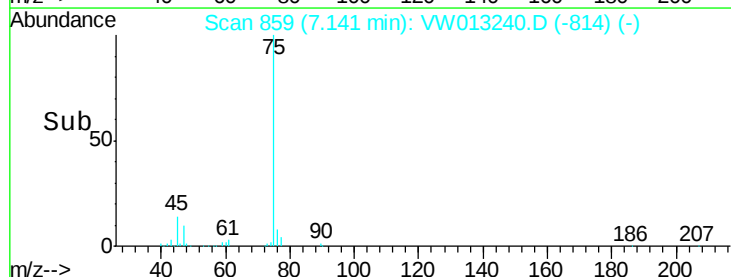
400

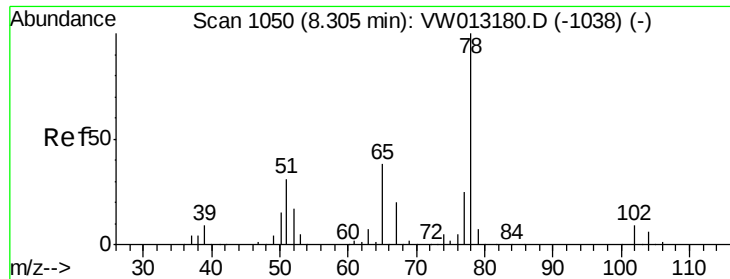
200

0

7.05 7.10 7.15 7.20

Time-->

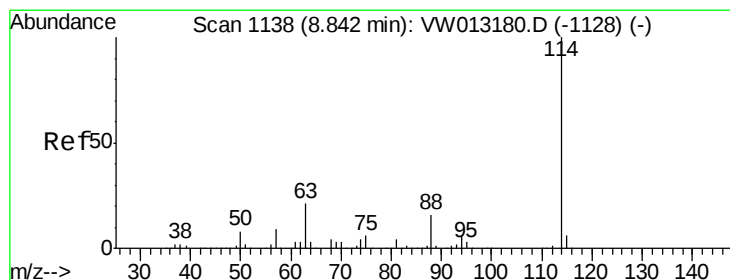
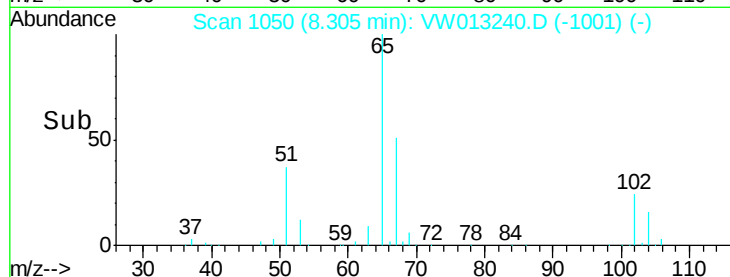
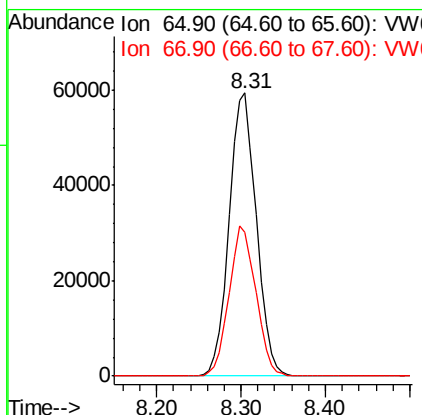
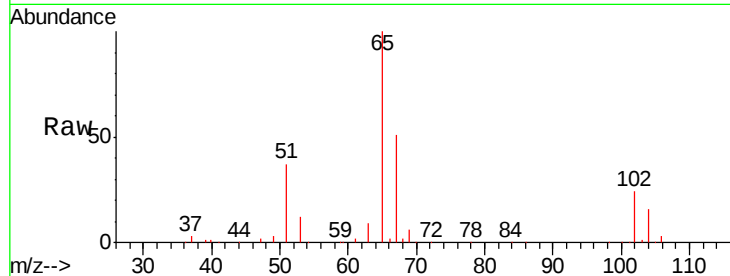




#33
 1,2-Dichloroethane-d4
 Concen: 51.008 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013240.D
 Acq: 23 Sep 2019 19:05

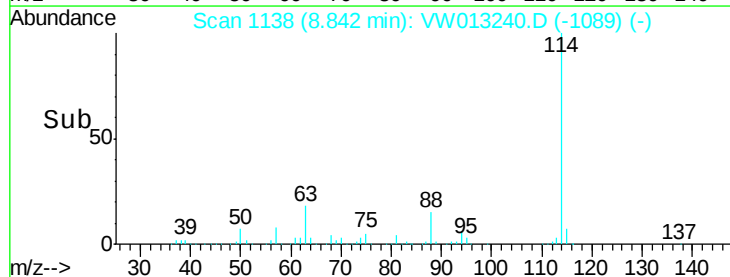
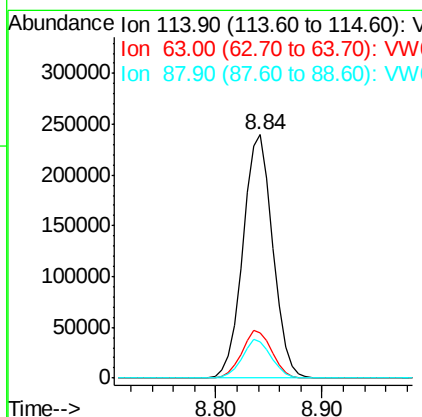
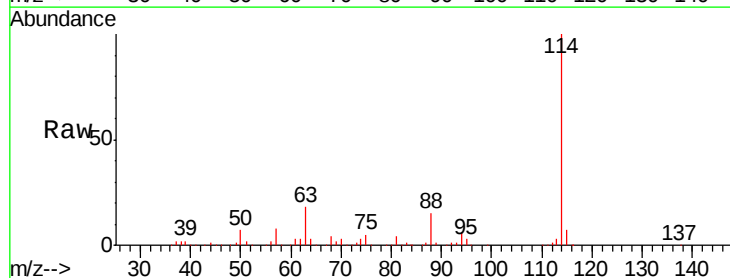
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-39-14.0-14.5

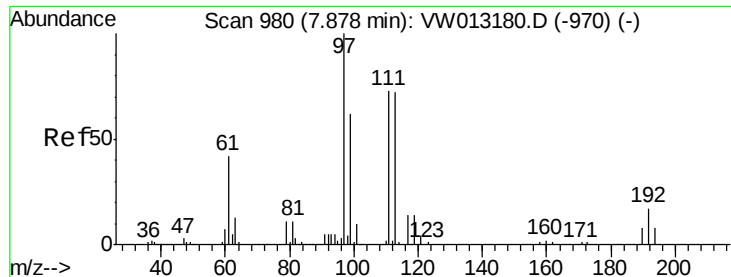
Tgt Ion: 65 Resp: 129744
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013240.D
 Acq: 23 Sep 2019 19:05

Tgt Ion: 114 Resp: 471191
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 41.4
 88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.345 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013240.D

Acq: 23 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

SB-39-14.0-14.5

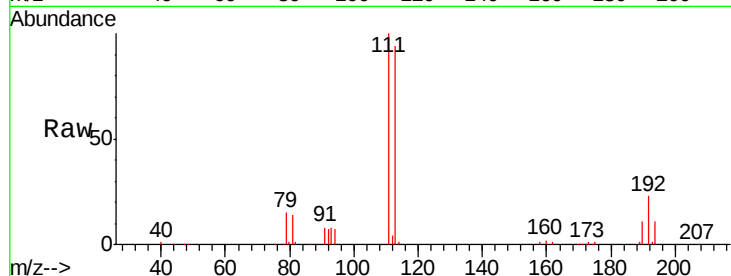
Tgt Ion:113 Resp: 127880

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

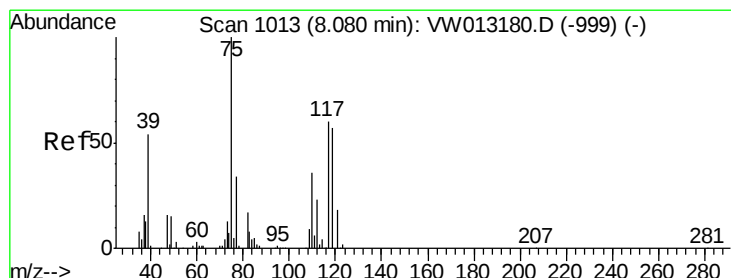
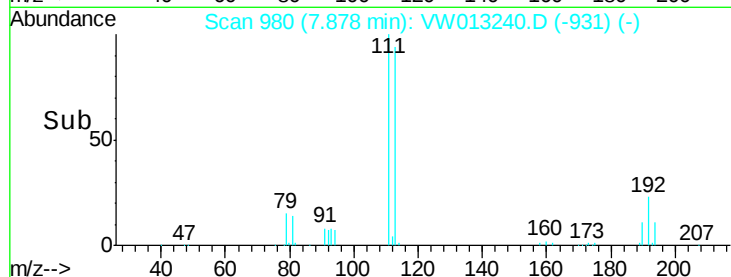
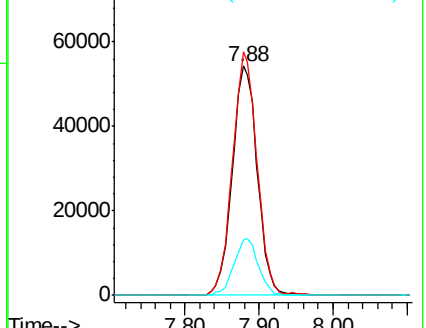
192 24.2 19.1 28.7



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: 4.560 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013240.D

Acq: 23 Sep 2019 19:05

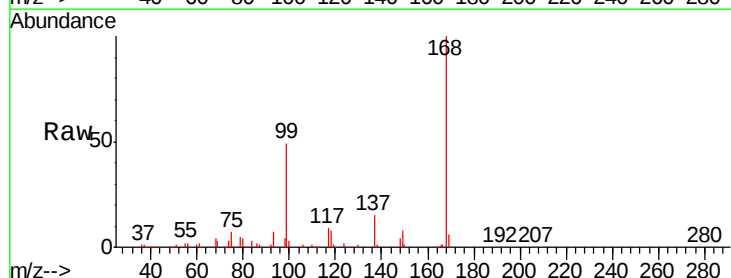
Tgt Ion: 75 Resp: 20812

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

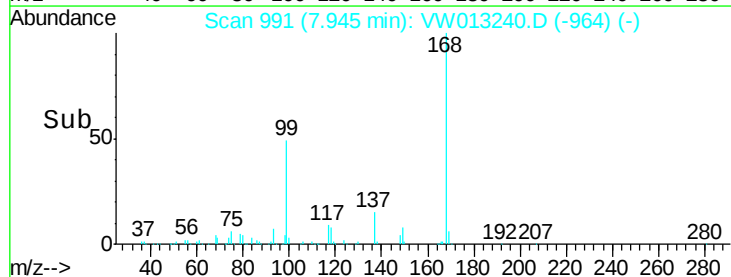
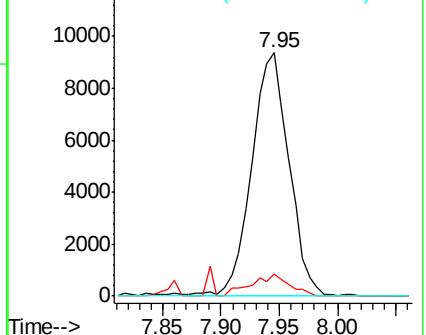
77 0.0 25.8 38.6#

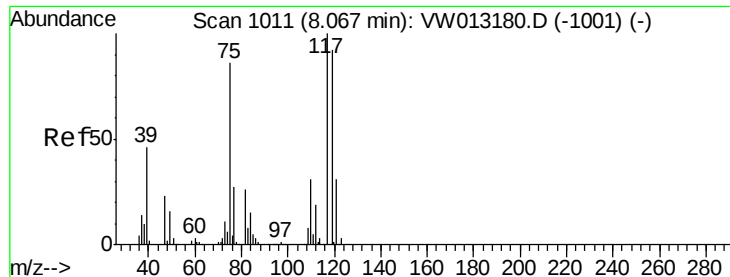


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.553 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013240.D

Acq: 23 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

SB-39-14.0-14.5

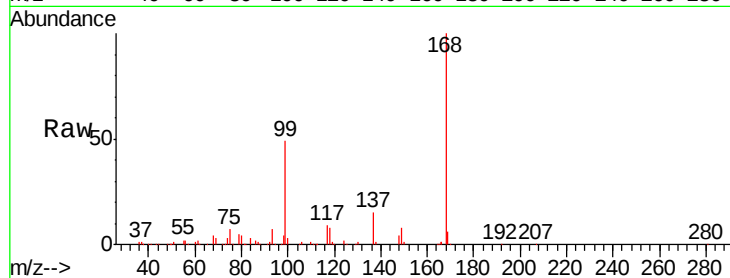
Tgt Ion:117 Resp: 26808

Ion Ratio Lower Upper

117 100

119 6.9 73.5 110.3#

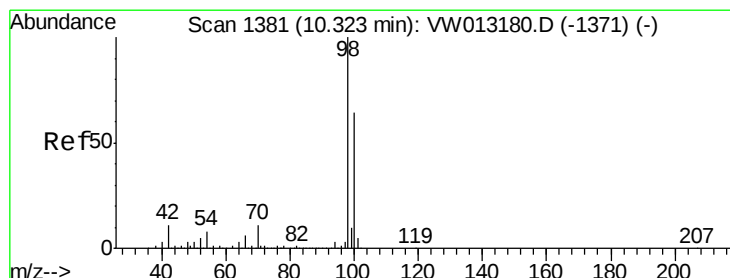
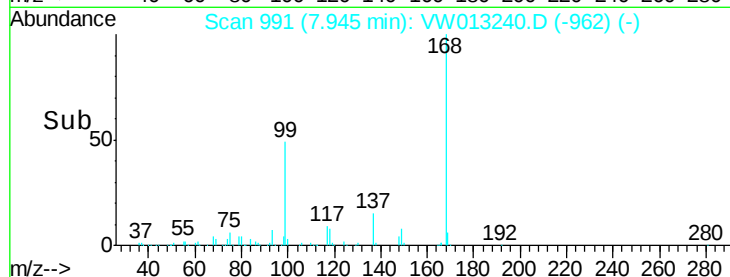
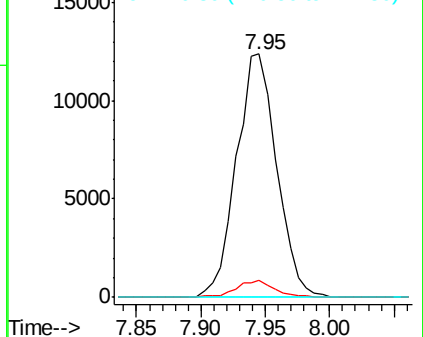
121 0.0 25.0 37.6#



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: 49.914 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013240.D

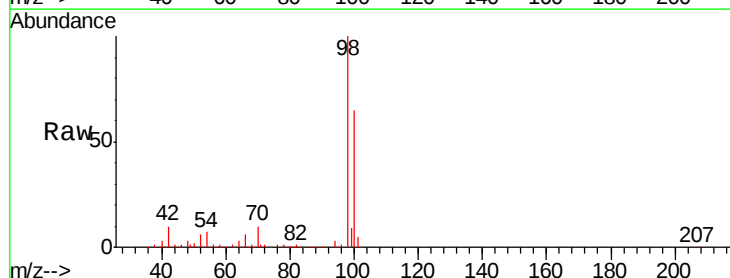
Acq: 23 Sep 2019 19:05

Tgt Ion: 98 Resp: 541366

Ion Ratio Lower Upper

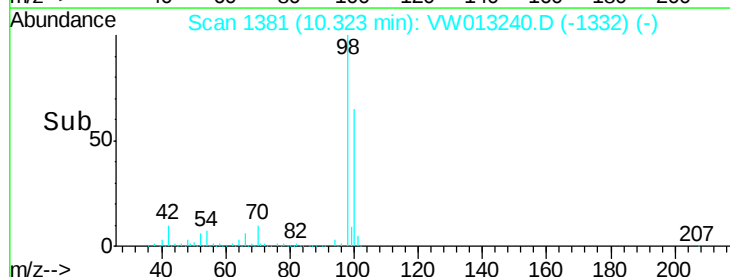
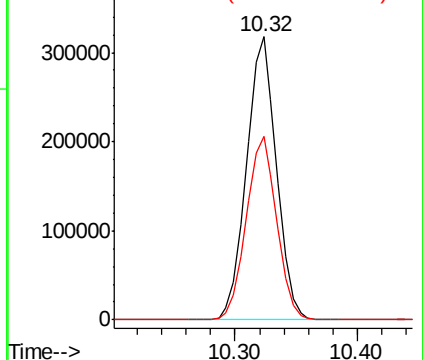
98 100

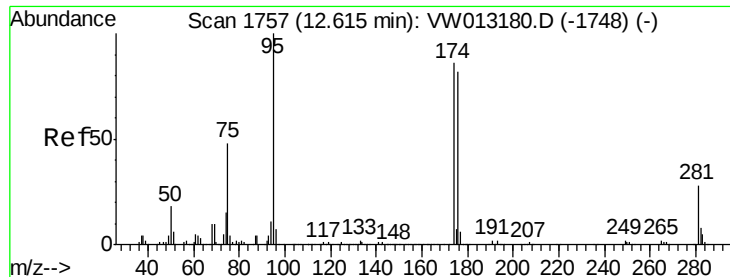
100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

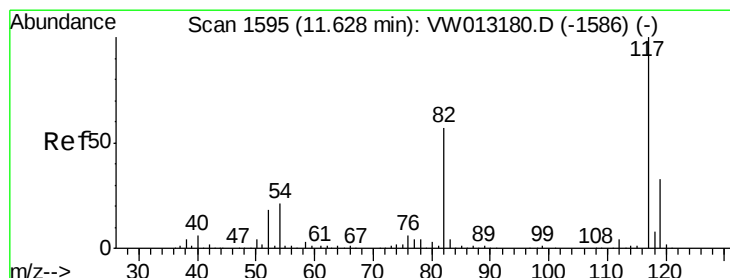
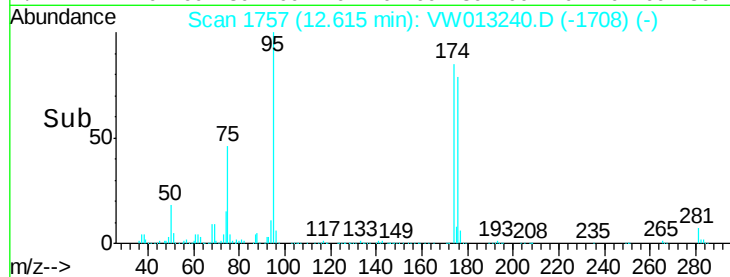
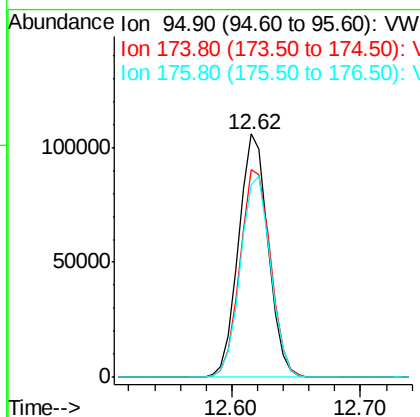
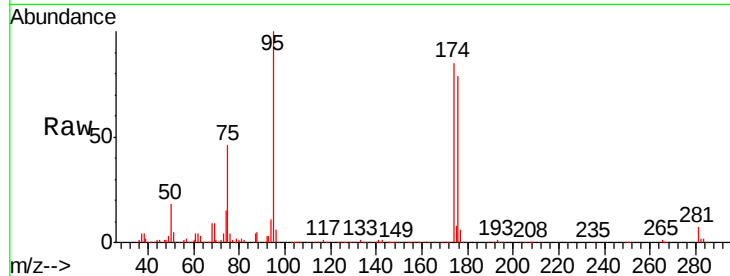




#62
4-Bromofluorobenzene
Concen: 45.252 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013240.D
Acq: 23 Sep 2019 19:05

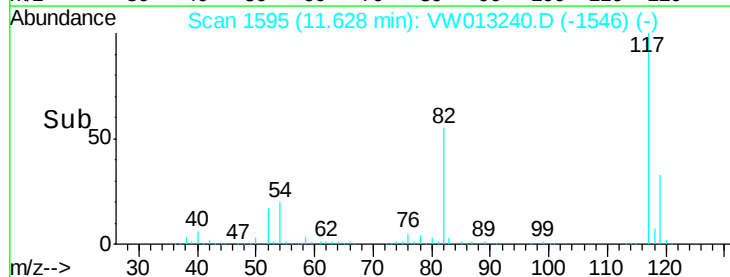
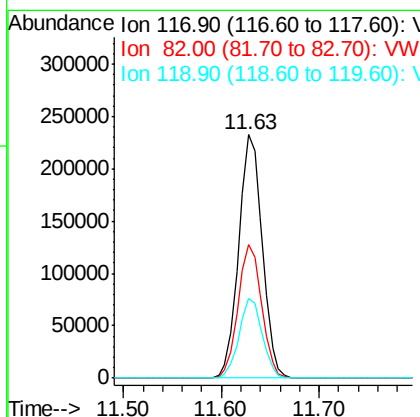
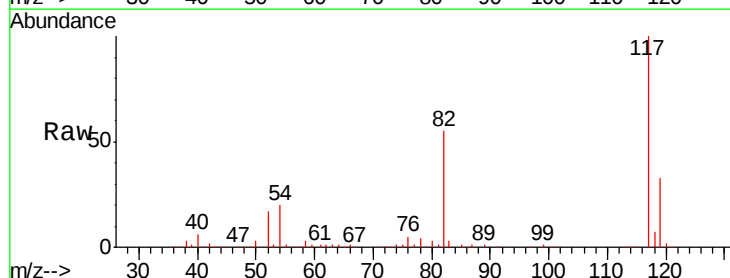
Instrument :
MSVOA_W
ClientSampleId :
SB-39-14.0-14.5

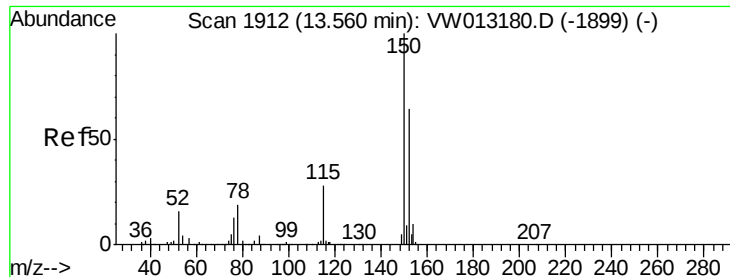
Tgt Ion: 95 Resp: 167654
Ion Ratio Lower Upper
95 100
174 88.3 0.0 178.4
176 84.2 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013240.D
Acq: 23 Sep 2019 19:05

Tgt Ion: 117 Resp: 388387
Ion Ratio Lower Upper
117 100
82 54.9 45.9 68.9
119 32.7 26.2 39.2



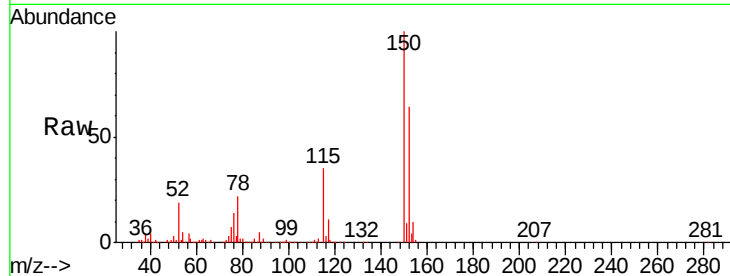


#72

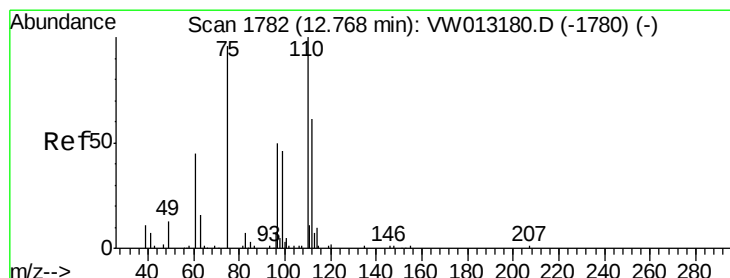
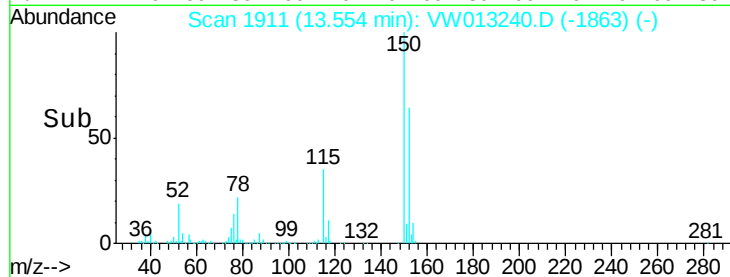
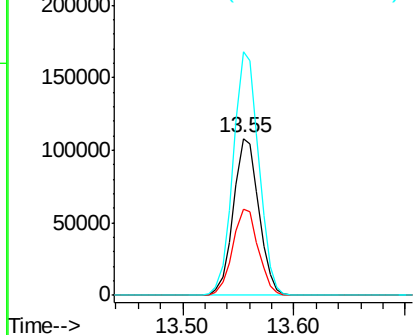
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013240.D
Acq: 23 Sep 2019 19:05

Instrument :
MSVOA_W
ClientSampleId :
SB-39-14.0-14.5

Tgt Ion:152 Resp: 170597
Ion Ratio Lower Upper
152 100
115 55.6 27.3 81.9
150 156.2 0.0 349.0



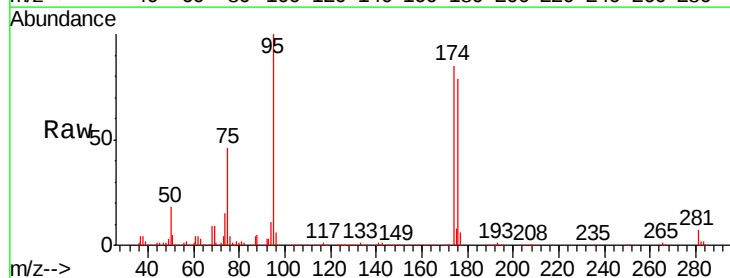
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



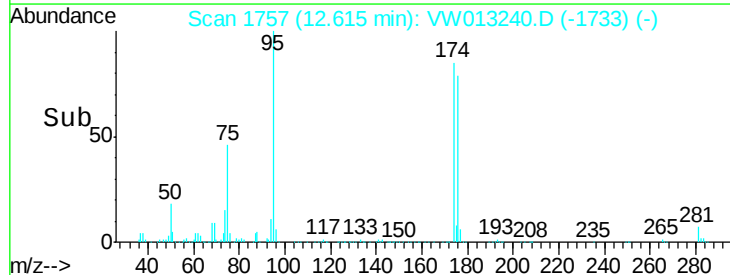
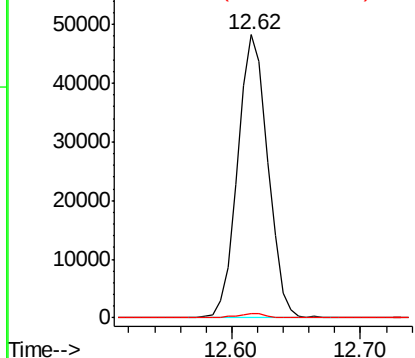
#76

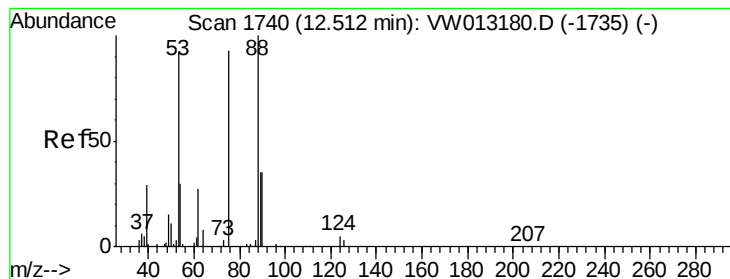
1,2,3-Trichloropropane
Concen: 51.804 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013240.D
Acq: 23 Sep 2019 19:05

Tgt Ion: 75 Resp: 78048
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: 116.244 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013240.D

Acq: 23 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

SB-39-14.0-14.5

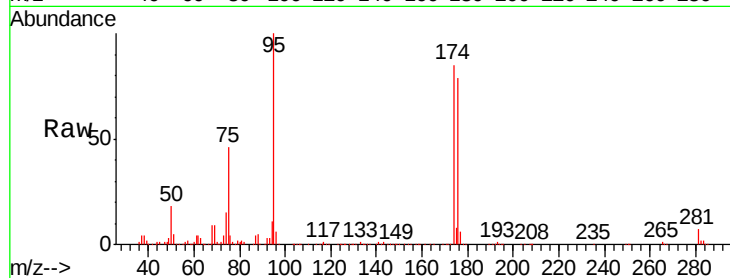
Tgt Ion: 75 Resp: 78048

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

