

Data File : VW012114.D
Acq On : 22 Aug 2019 16:43
Operator : SY/VA
Sample : K4461-09
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-05-8.5-9.0

Quant Time: Aug 23 08:01:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	57744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	94725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	83890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	29037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40247	60.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.40%	
35) Dibromofluoromethane	7.88	113	31225	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	
50) Toluene-d8	10.32	98	116573	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.62	95	36624	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

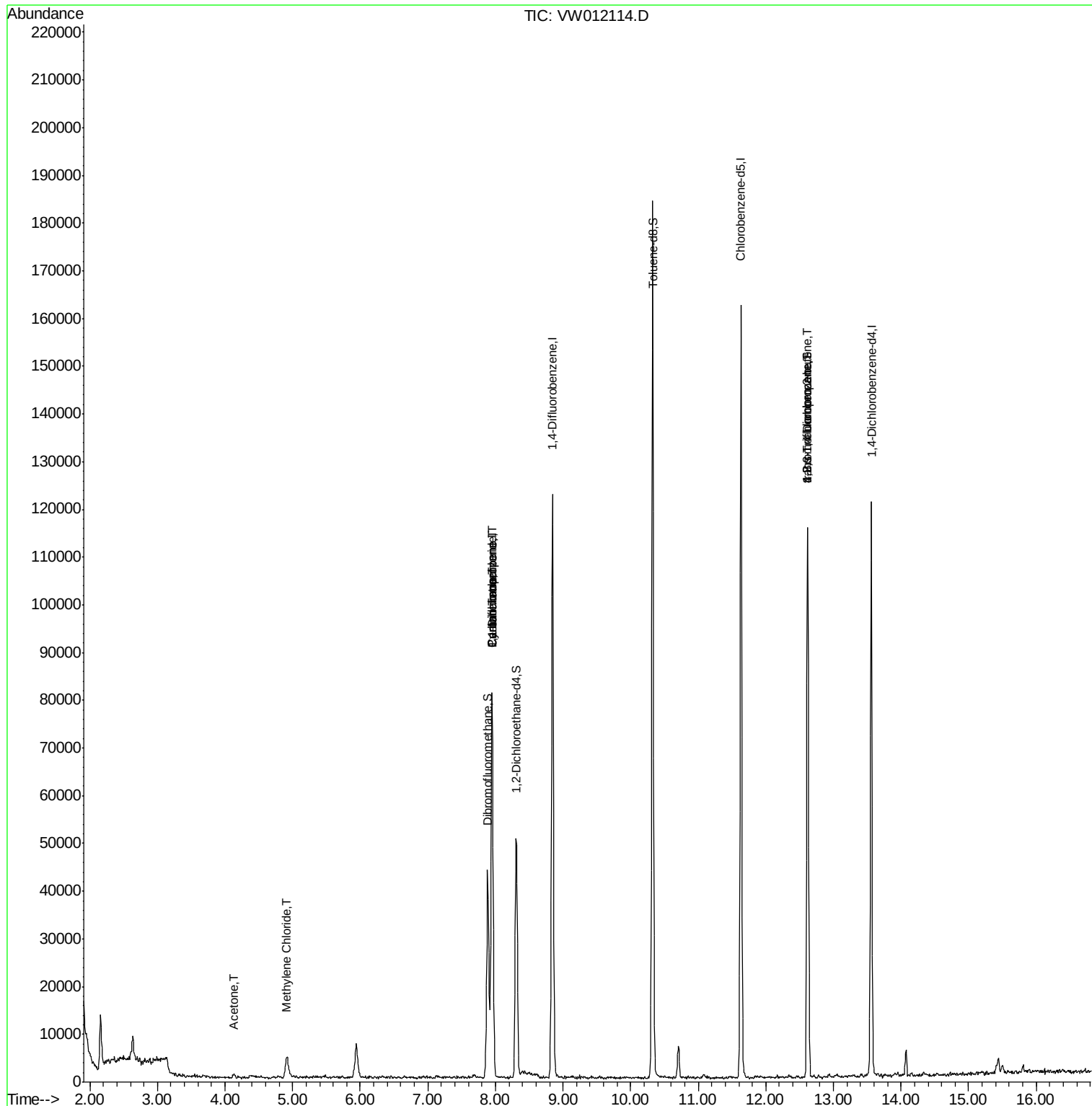
						Qvalue
11) Tert butyl alcohol	5.18	59	46	Below Cal	#	72
16) Acetone	4.13	43	1153	5.467	ug/l #	47
20) Methylene Chloride	4.92	84	2706	3.720	ug/l	89
31) Cyclohexane	7.95	56	1631	1.316	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	5232	5.312	ug/l #	52
38) Carbon Tetrachloride	7.95	117	5883	6.977	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	19828	64.535	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19828	148.730	ug/l #	6

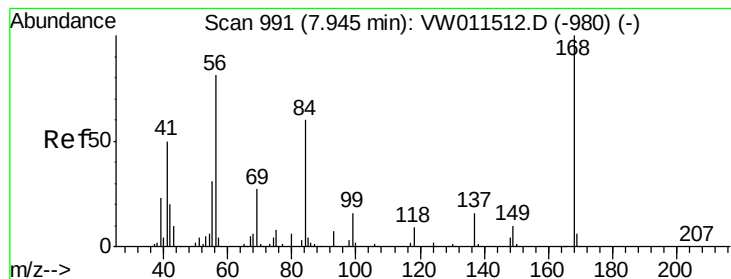
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012114.D

Acq: 22 Aug 2019 16:43

Instrument :

MSVOA_W

ClientSampled :

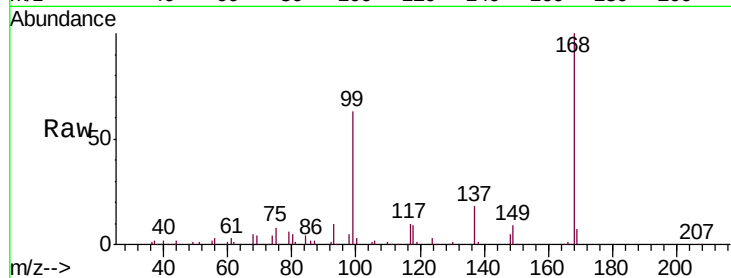
SB-05-8.5-9.0

Tgt Ion:168 Resp: 57744

Ion Ratio Lower Upper

168 100

99 62.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

10000

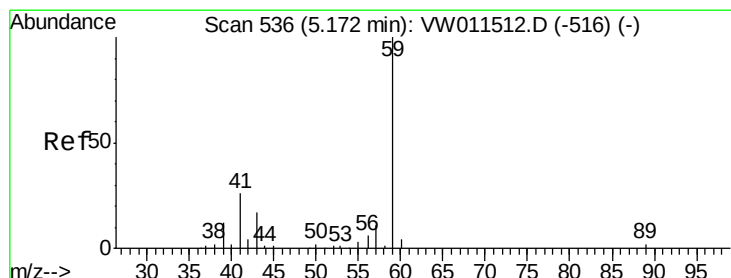
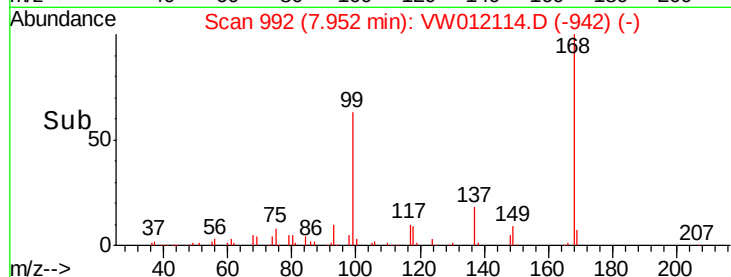
5000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW012114.D

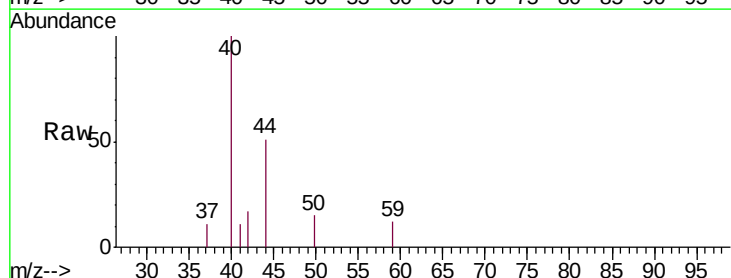
Acq: 22 Aug 2019 16:43

Tgt Ion: 59 Resp: 46

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

80

60

40

20

0

5.16

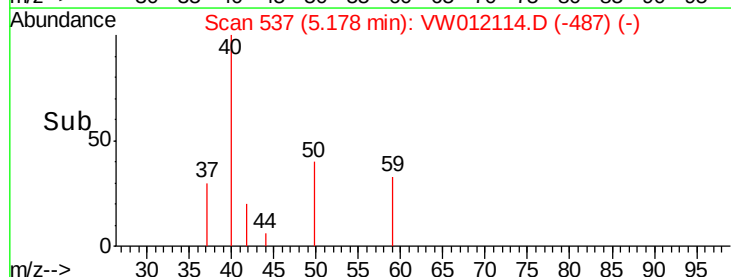
5.17

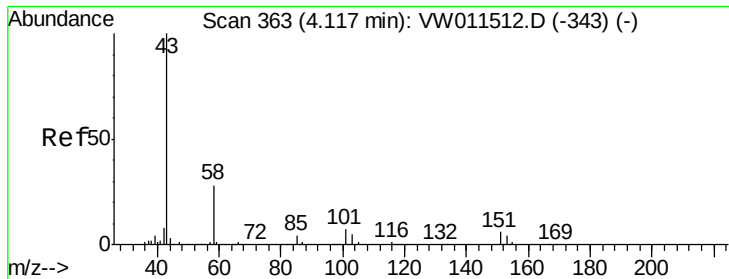
5.18

5.19

5.20

Time-->





#16

Acetone

Concen: 5.467 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012114.D

Acq: 22 Aug 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

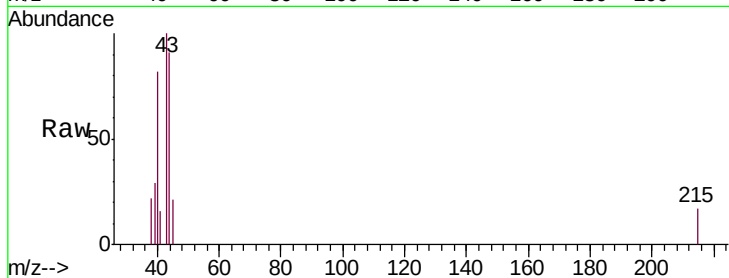
SB-05-8.5-9.0

Tgt Ion: 43 Resp: 1153

Ion Ratio Lower Upper

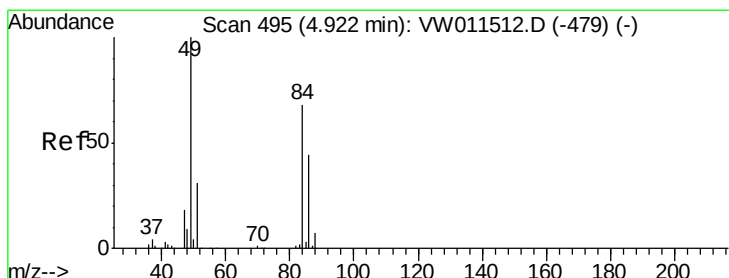
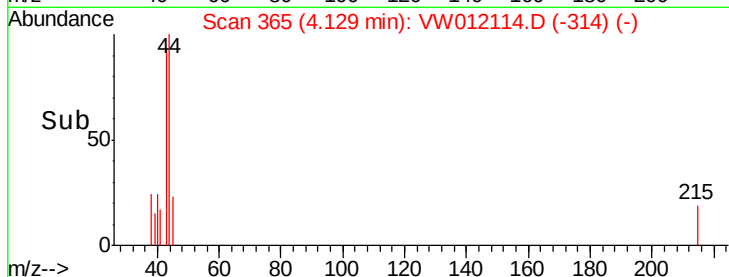
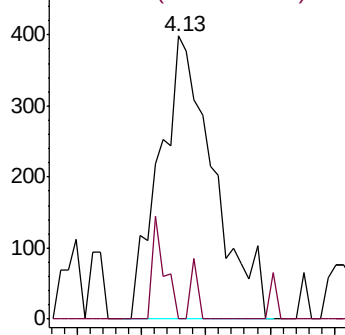
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.720 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012114.D

Acq: 22 Aug 2019 16:43

Tgt Ion: 84 Resp: 2706

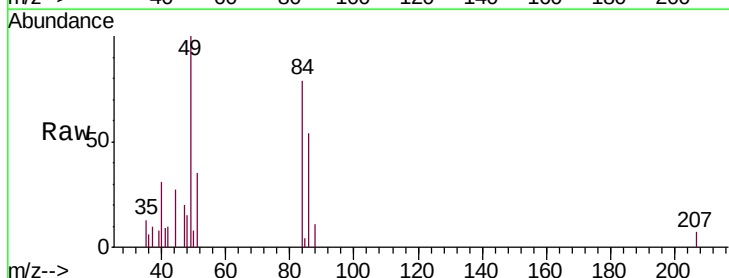
Ion Ratio Lower Upper

84 100

49 126.4 117.8 176.6

51 44.1 37.0 55.4

86 67.8 51.8 77.8

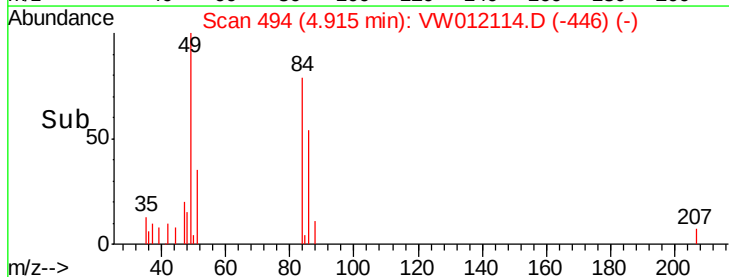
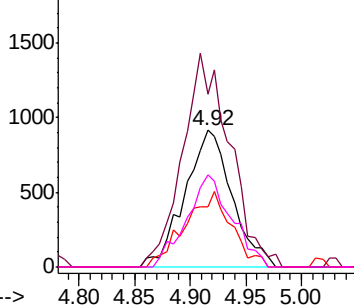


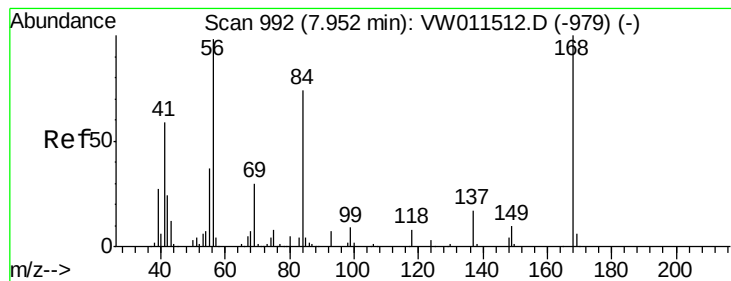
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012114.D

Acq: 22 Aug 2019 16:43

Instrument :

MSVOA_W

ClientSampled :

SB-05-8.5-9.0

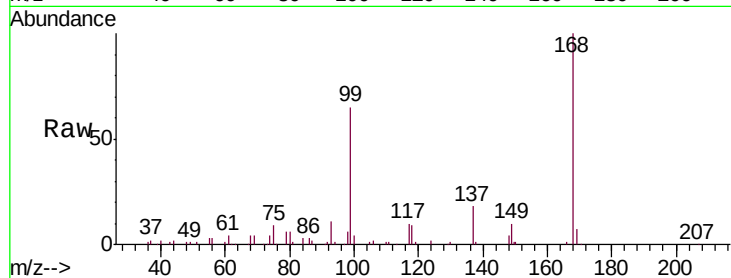
Tgt Ion: 56 Resp: 1631

Ion Ratio Lower Upper

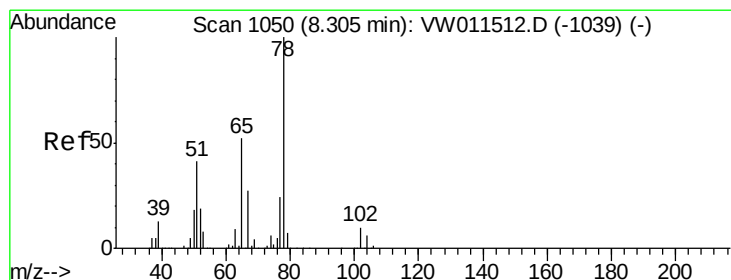
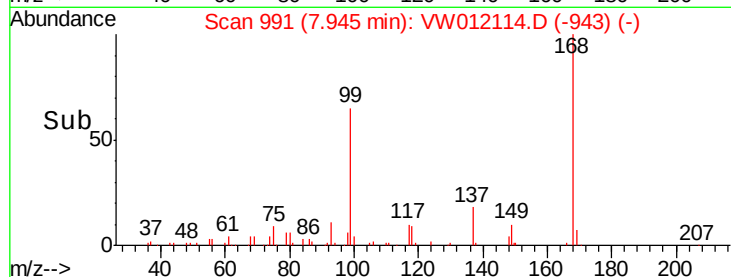
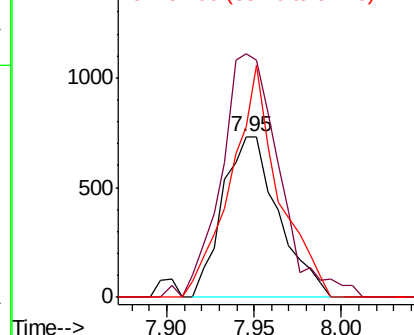
56 100

69 144.5 24.3 36.5#

84 106.7 60.4 90.6#



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: 60.699 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW012114.D

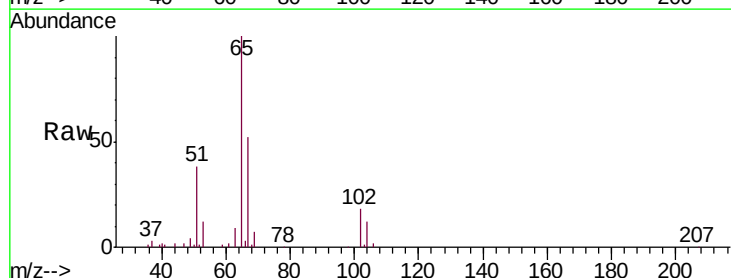
Acq: 22 Aug 2019 16:43

Tgt Ion: 65 Resp: 40247

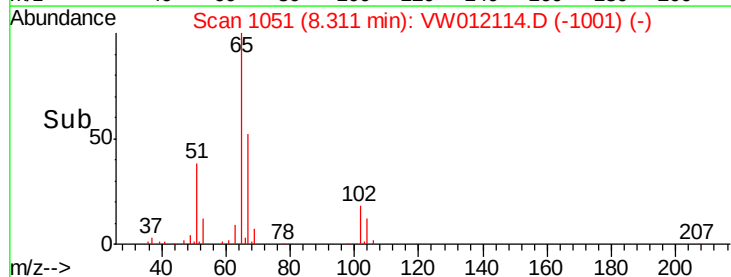
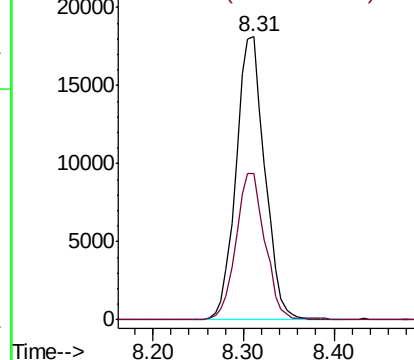
Ion Ratio Lower Upper

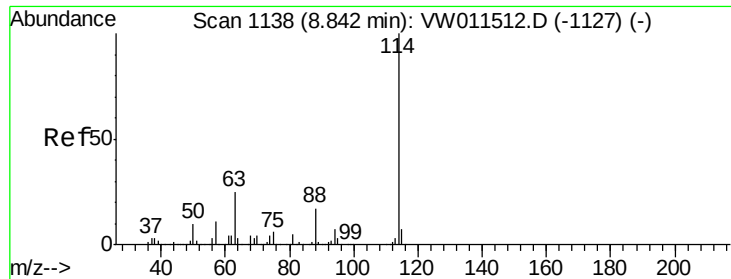
65 100

67 51.9 0.0 105.2



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

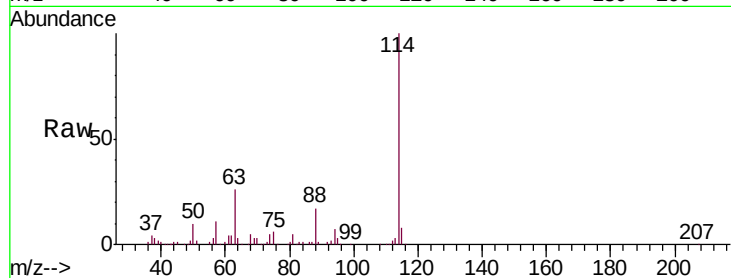




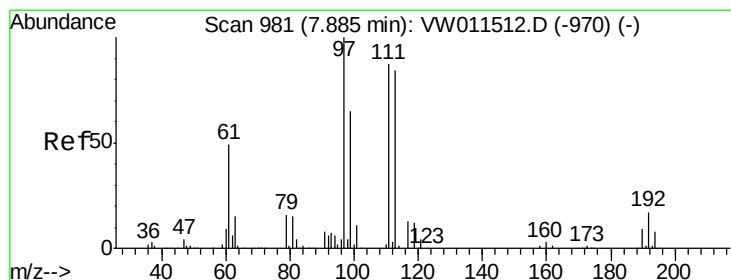
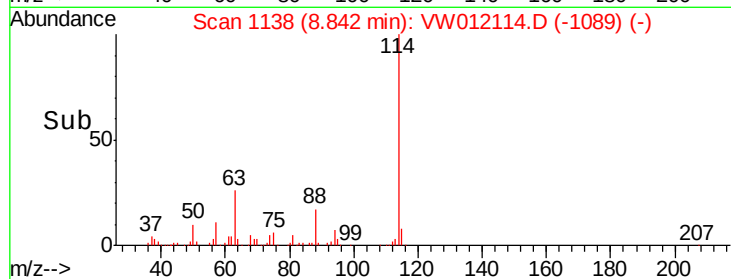
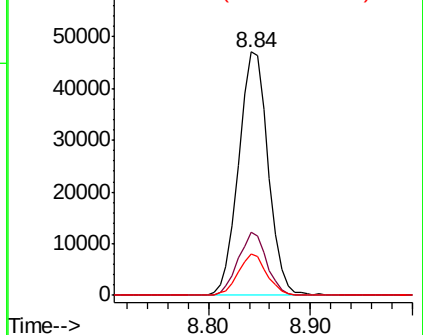
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012114.D
 Acq: 22 Aug 2019 16:43

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-05-8.5-9.0

Tgt Ion:114 Resp: 94725
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 49.2
 88 17.1 0.0 33.8

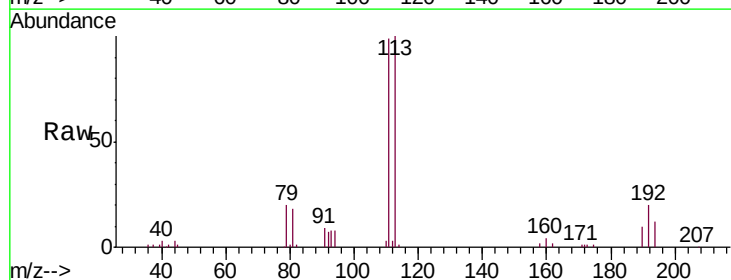


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

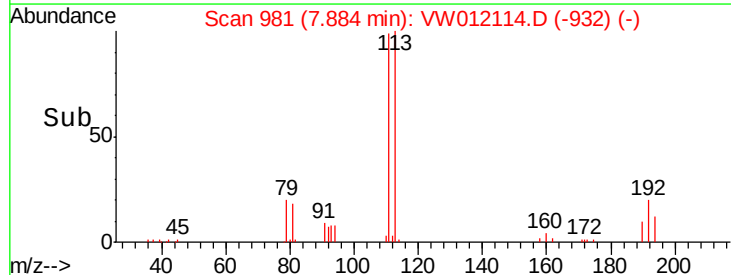
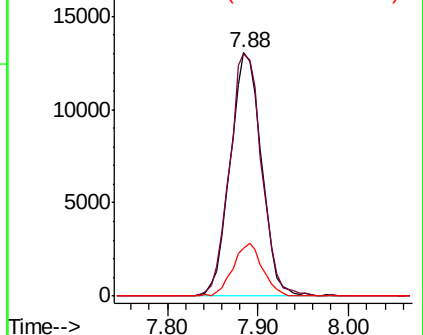


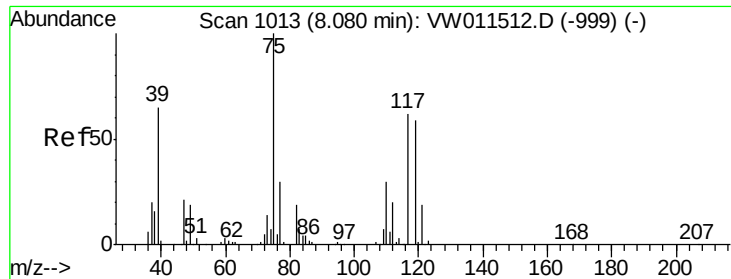
#35
 Dibromofluoromethane
 Concen: 58.757 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012114.D
 Acq: 22 Aug 2019 16:43

Tgt Ion:113 Resp: 31225
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.7 124.1
 192 20.5 16.1 24.1



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

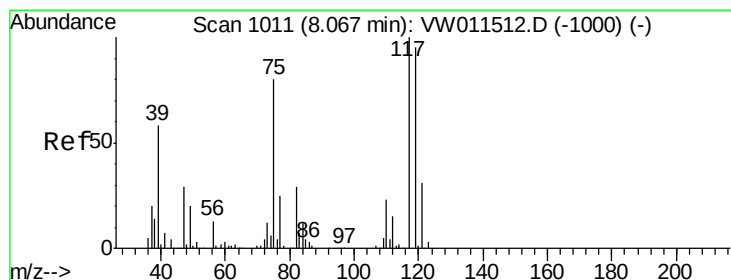
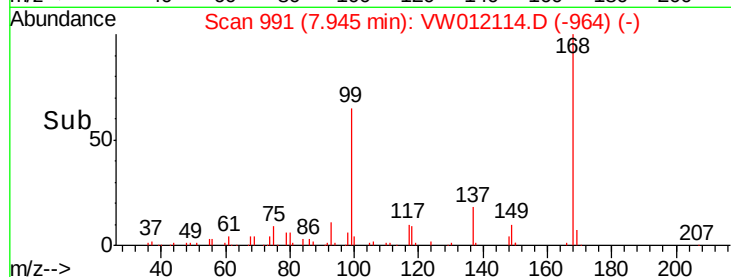
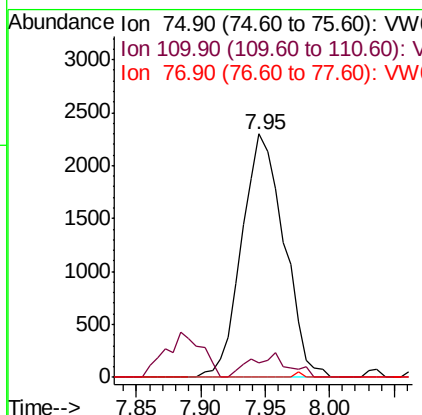
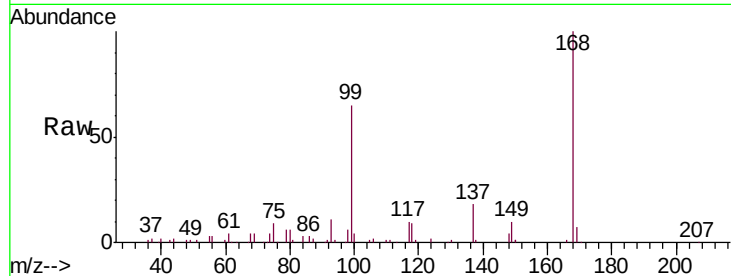




#36
 1,1-Dichloropropene
 Concen: 5.312 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012114.D
 Acq: 22 Aug 2019 16:43

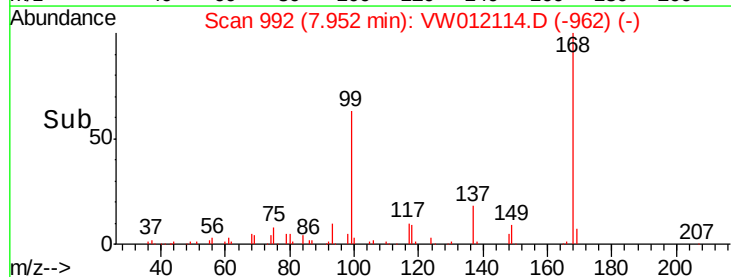
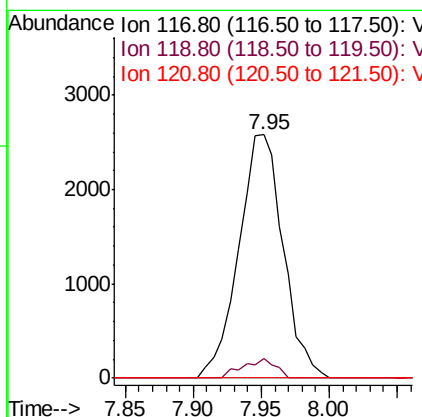
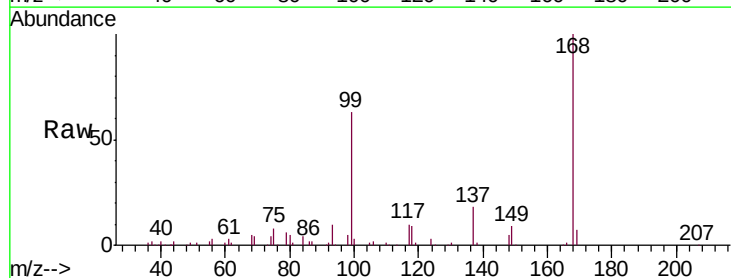
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-05-8.5-9.0

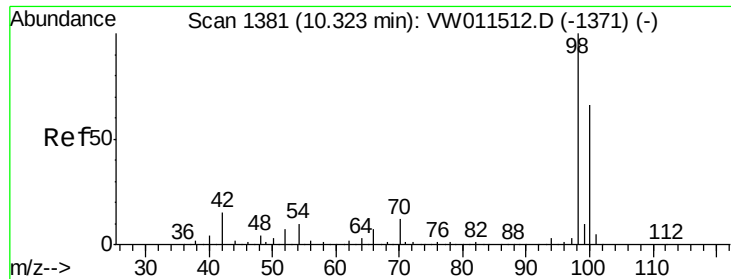
Tgt Ion: 75 Resp: 5232
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.977 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012114.D
 Acq: 22 Aug 2019 16:43

Tgt Ion: 117 Resp: 5883
 Ion Ratio Lower Upper
 117 100
 119 8.1 75.8 113.6#
 121 0.0 24.7 37.1#

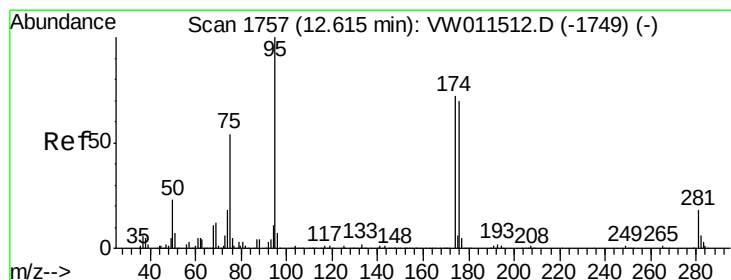
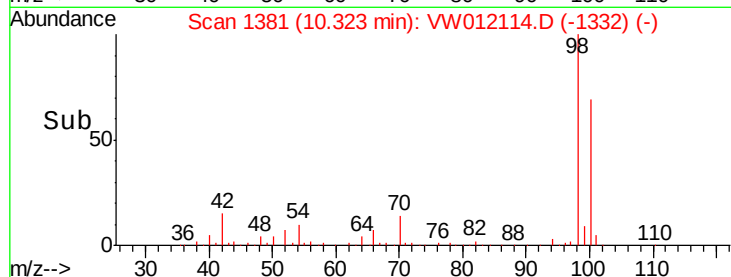
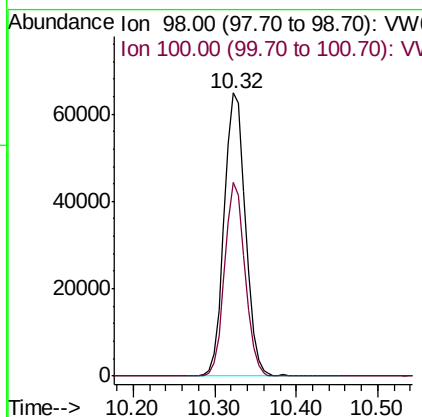
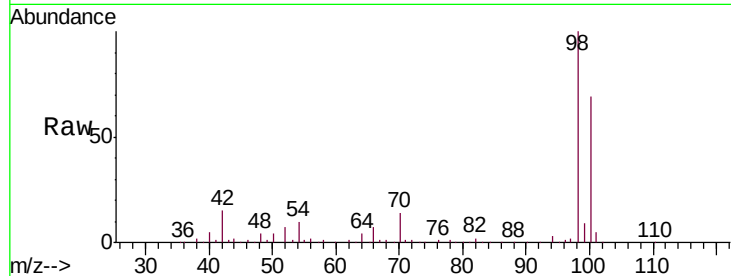




#50
Toluene-d8
Concen: 53.577 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012114.D
Acq: 22 Aug 2019 16:43

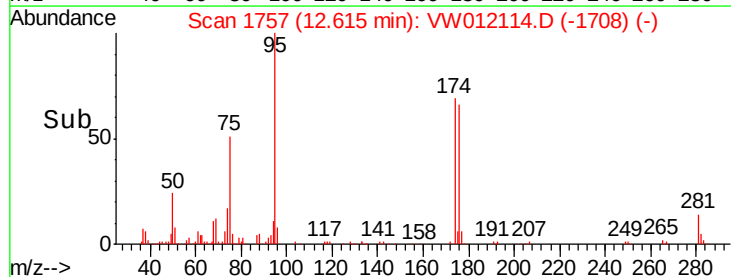
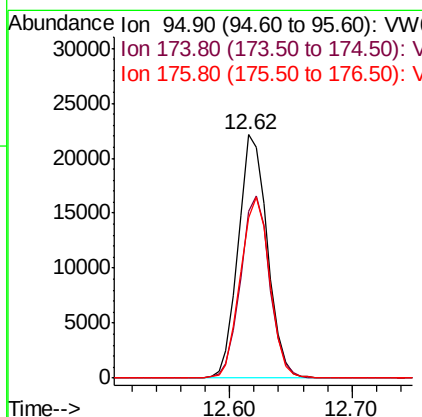
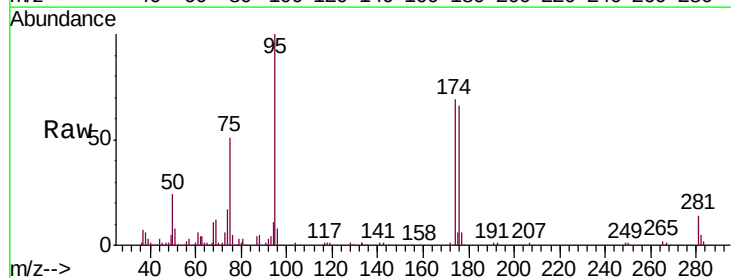
Instrument :
MSVOA_W
ClientSampleId :
SB-05-8.5-9.0

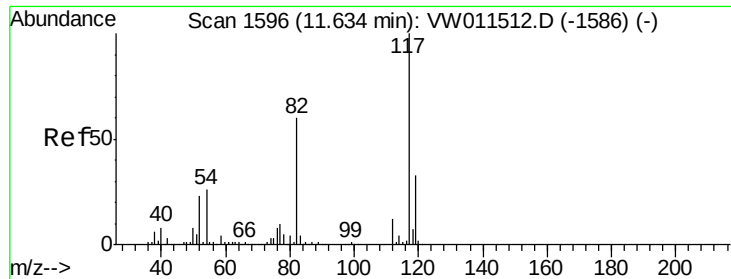
Tgt Ion: 98 Resp: 116573
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.213 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012114.D
Acq: 22 Aug 2019 16:43

Tgt Ion: 95 Resp: 36624
Ion Ratio Lower Upper
95 100
174 74.5 0.0 150.2
176 74.7 0.0 144.4

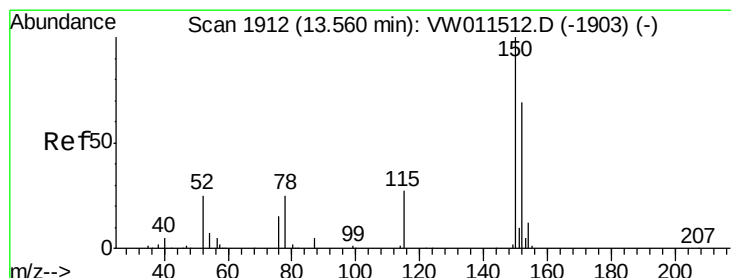
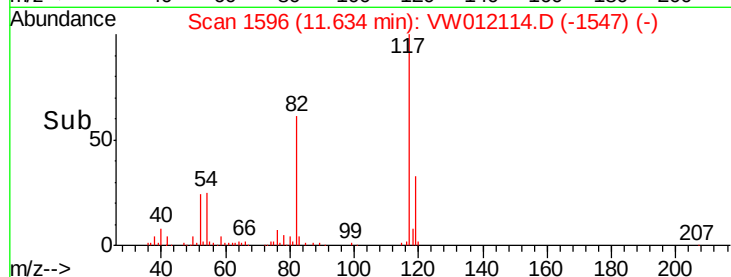
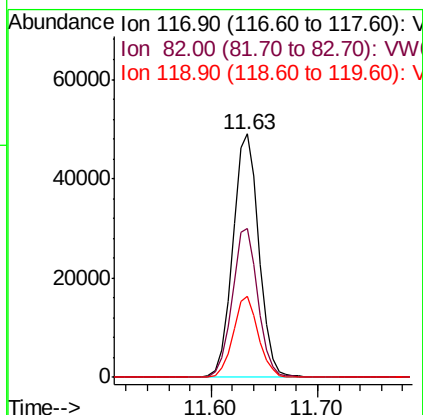
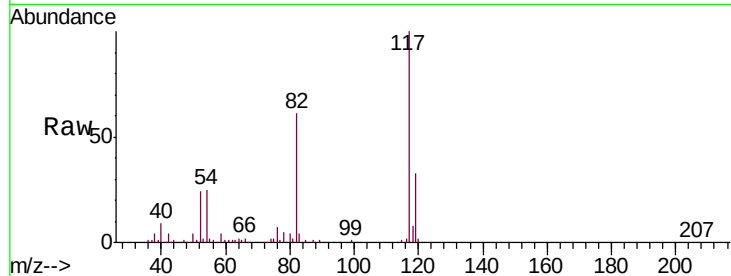




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012114.D
Acq: 22 Aug 2019 16:43

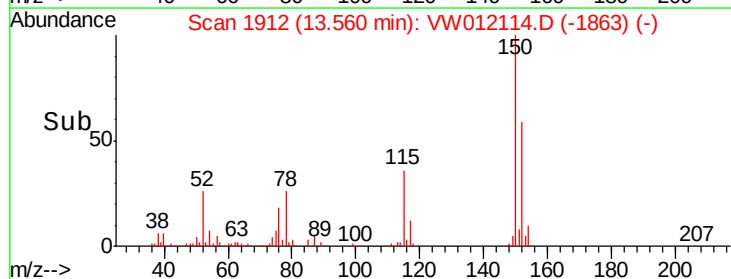
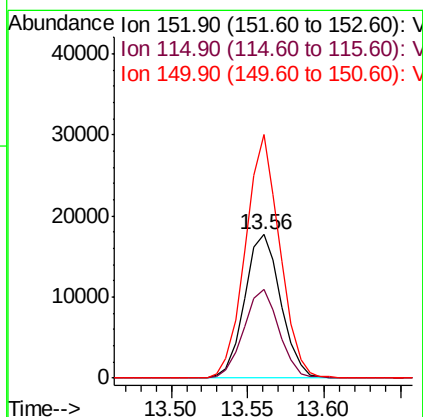
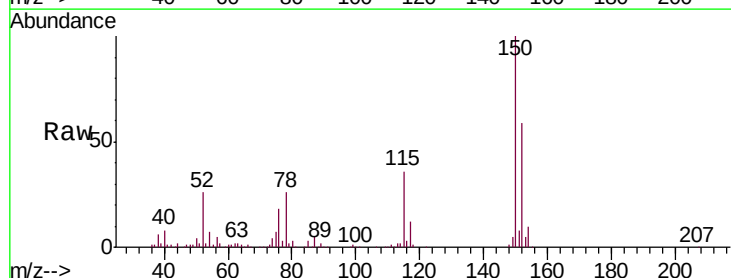
Instrument :
MSVOA_W
ClientSampleId :
SB-05-8.5-9.0

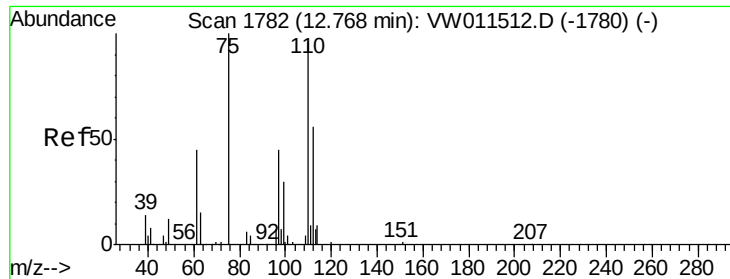
Tgt Ion:117 Resp: 83890
Ion Ratio Lower Upper
117 100
82 61.4 47.9 71.9
119 33.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012114.D
Acq: 22 Aug 2019 16:43

Tgt Ion:152 Resp: 29037
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 161.7 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 64.535 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012114.D

Acq: 22 Aug 2019 16:43

Instrument :

MSVOA_W

ClientSampled :

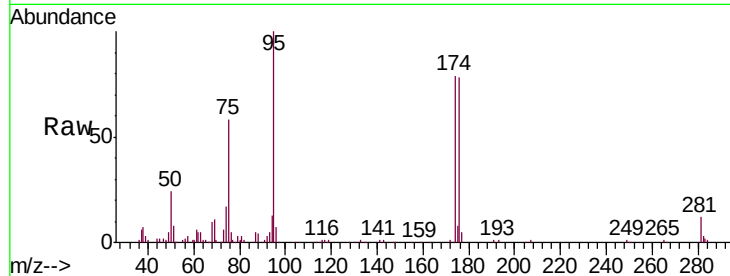
SB-05-8.5-9.0

Tgt Ion: 75 Resp: 19828

Ion Ratio Lower Upper

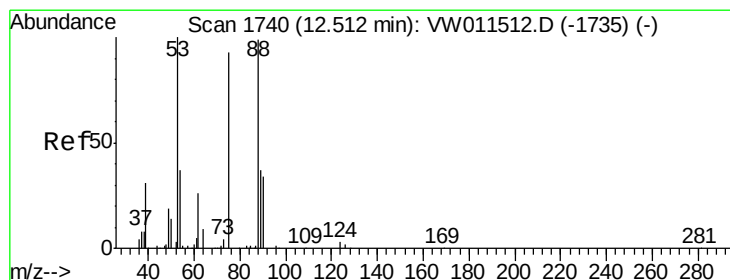
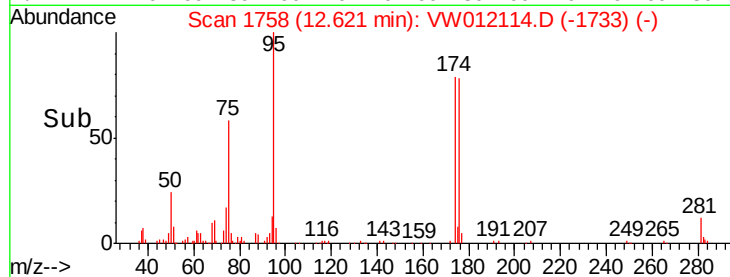
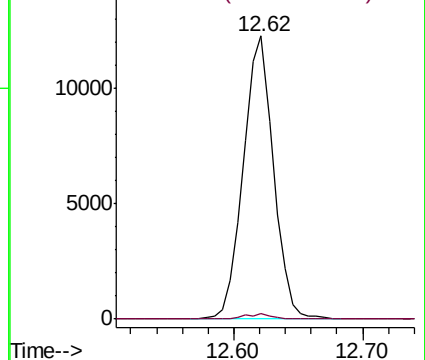
75 100

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: 148.730 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012114.D

Acq: 22 Aug 2019 16:43

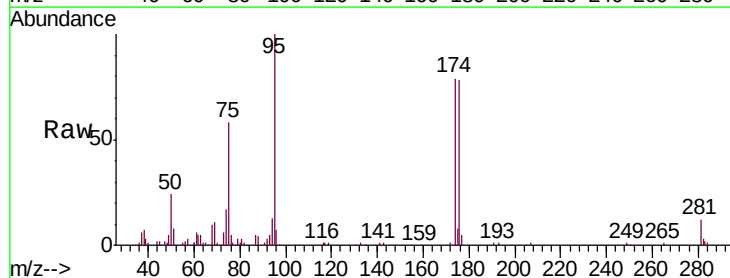
Tgt Ion: 75 Resp: 19828

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#



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

