

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012522.D
 Acq On : 03 Sep 2019 02:23
 Operator : SY/VA
 Sample : K4544-08
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B3-(2.25)

Quant Time: Sep 03 07:45:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	182997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	34106	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	131470	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.88	113	111340	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
50) Toluene-d8	10.32	98	372271	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
62) 4-Bromofluorobenzene	12.62	95	58650	20.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.24%	

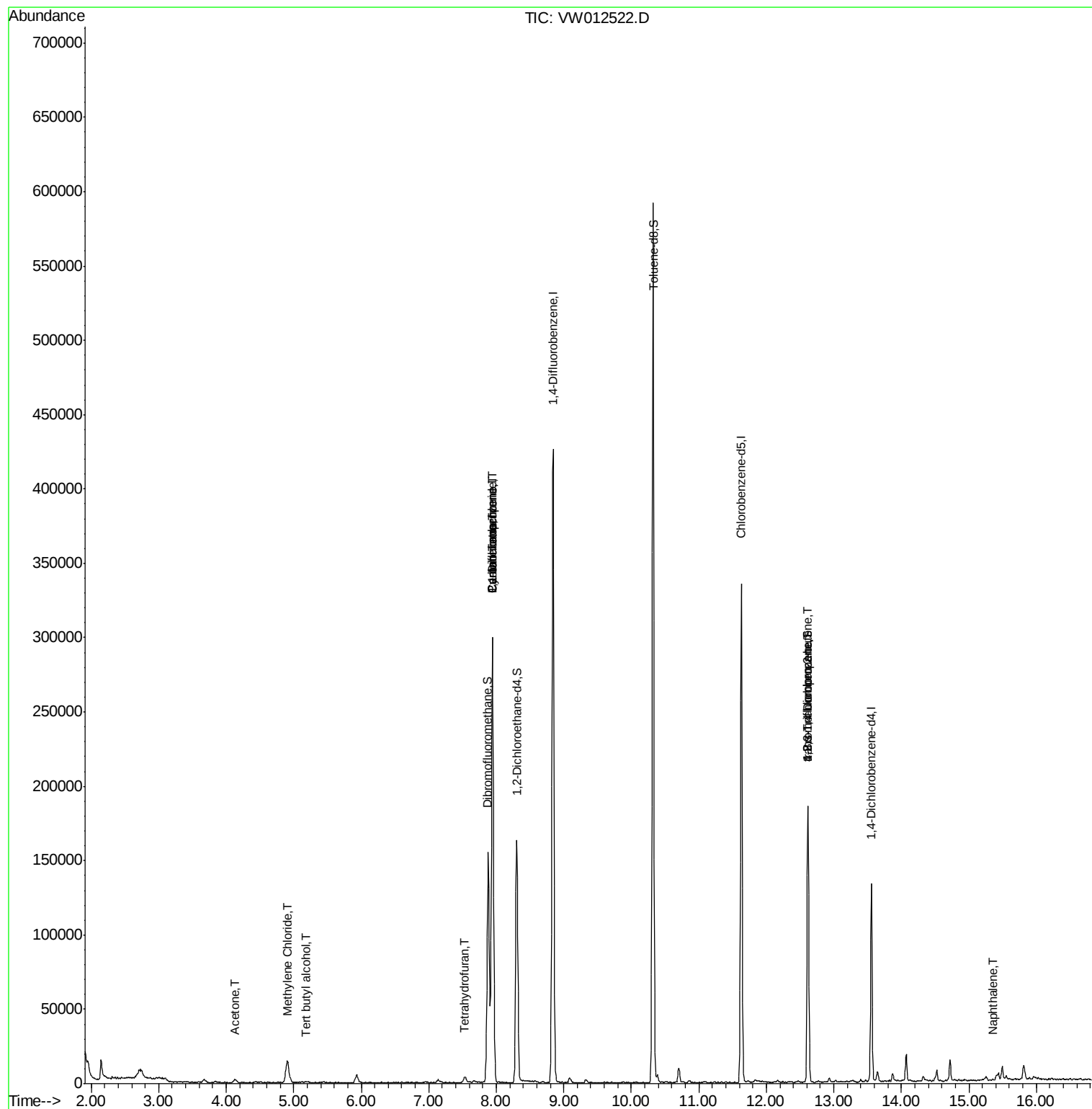
Target Compounds						Qvalue
11) Tert butyl alcohol	5.18	59	488	3.063	ug/l #	81
16) Acetone	4.13	43	3718	5.494	ug/l	97
20) Methylene Chloride	4.90	84	9977	3.900	ug/l	85
29) Tetrahydrofuran	7.53	42	3322	6.021	ug/l	97
31) Cyclohexane	7.95	56	5599	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17889	5.067	ug/l #	52
38) Carbon Tetrachloride	7.94	117	22049	7.215	ug/l #	16
76) 1,2,3-Trichloropropane	12.61	75	31356	94.398	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	31356	206.971	ug/l #	6
95) Naphthalene	15.36	128	374	4.587	ug/l #	81

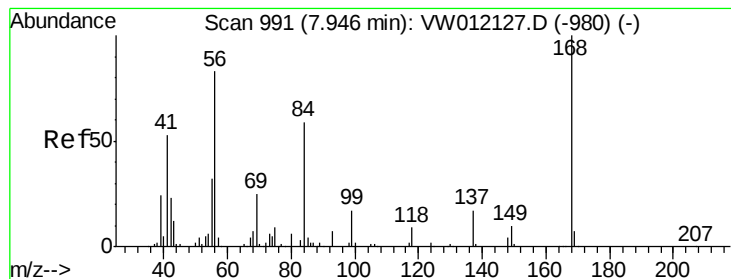
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012522.D

Acq: 03 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

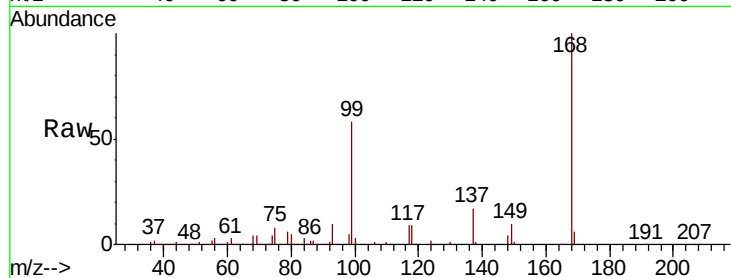
T16-17-B3-(2.25)

Tgt Ion:168 Resp: 222707

Ion Ratio Lower Upper

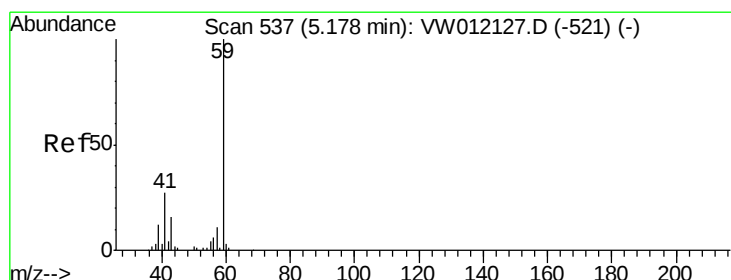
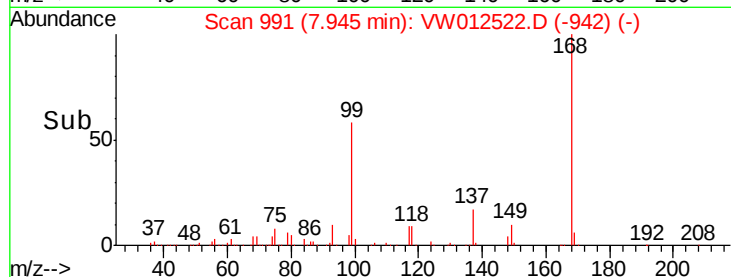
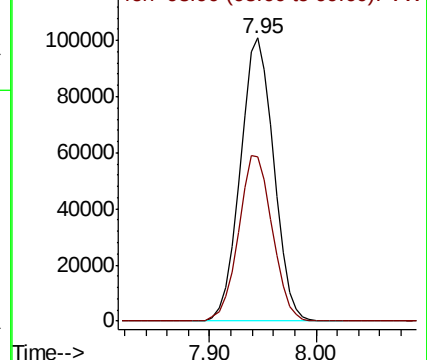
168 100

99 58.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.063 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012522.D

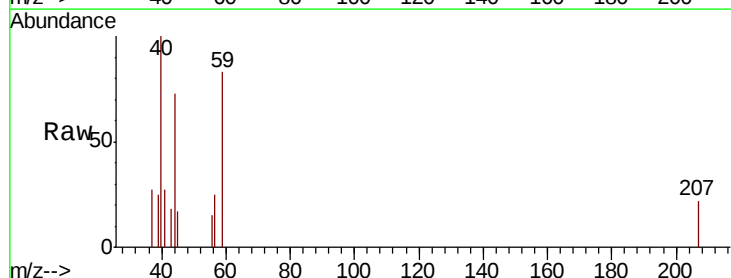
Acq: 03 Sep 2019 02:23

Tgt Ion: 59 Resp: 488

Ion Ratio Lower Upper

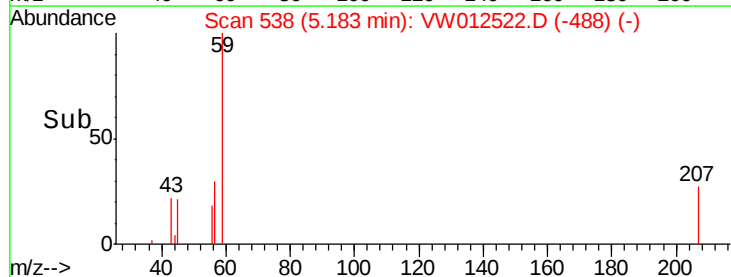
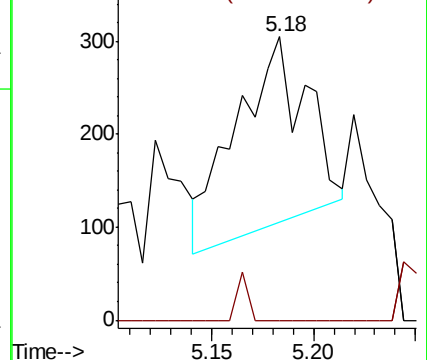
59 100

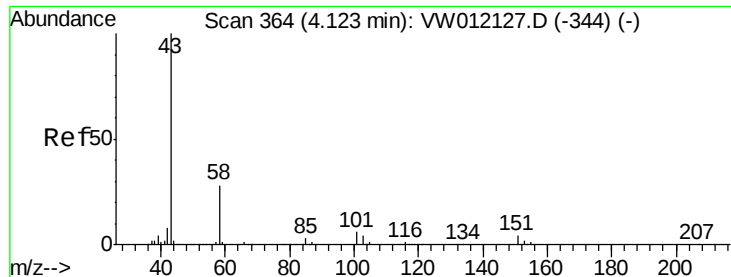
57 3.9 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

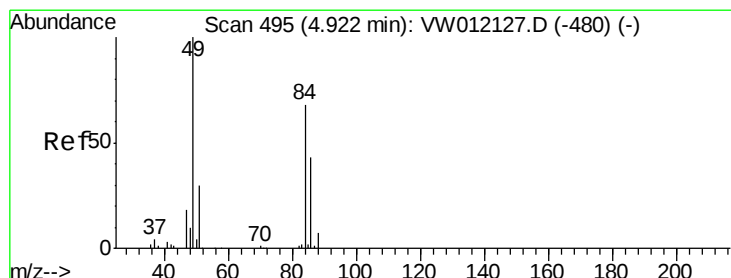
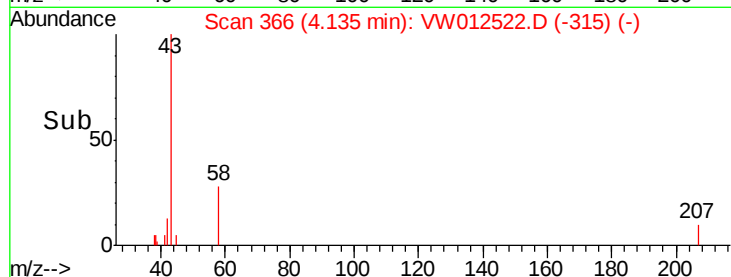
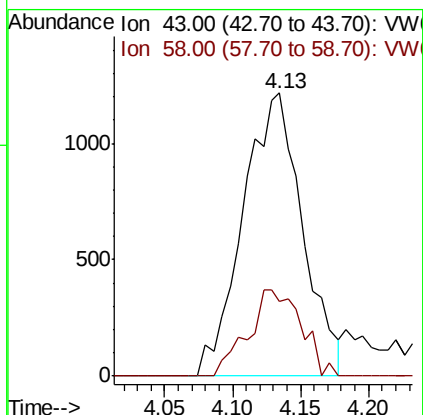
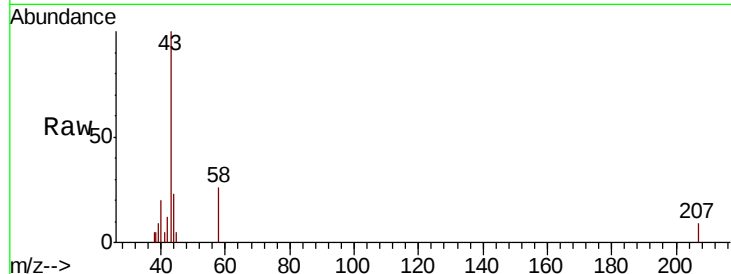




#16
Acetone
Concen: 5.494 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012522.D
Acq: 03 Sep 2019 02:23

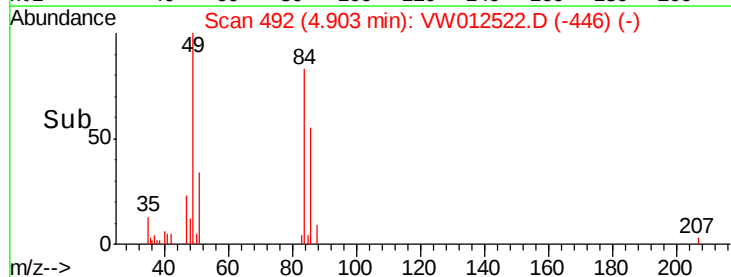
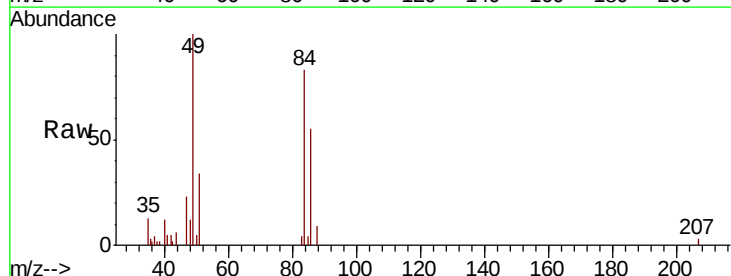
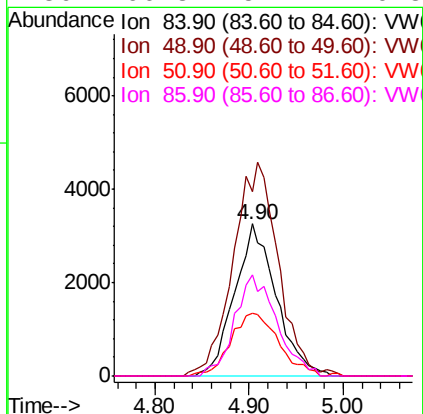
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B3-(2.25)

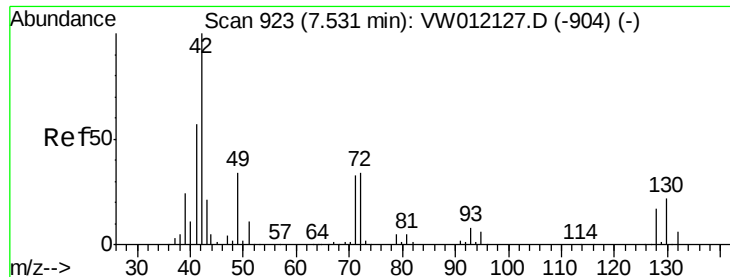
Tgt Ion: 43 Resp: 3718
Ion Ratio Lower Upper
43 100
58 26.2 22.4 33.6



#20
Methylene Chloride
Concen: 3.900 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012522.D
Acq: 03 Sep 2019 02:23

Tgt Ion: 84 Resp: 9977
Ion Ratio Lower Upper
84 100
49 119.3 117.8 176.8
51 41.1 35.6 53.4
86 66.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 6.021 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B3-(2.25)

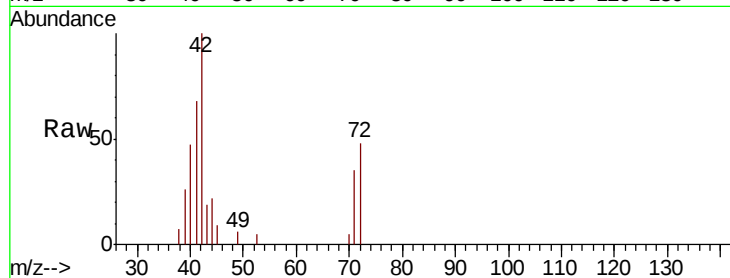
Tgt Ion: 42 Resp: 3322

Ion Ratio Lower Upper

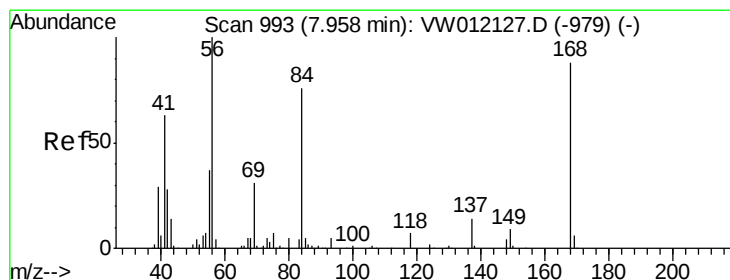
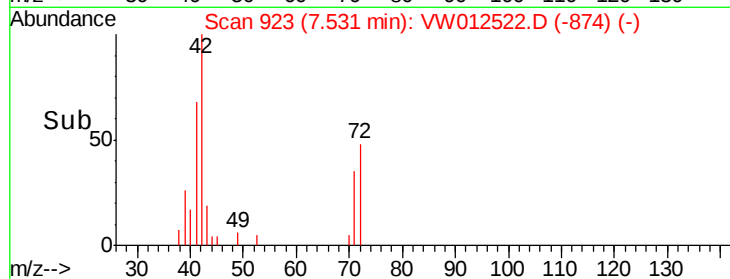
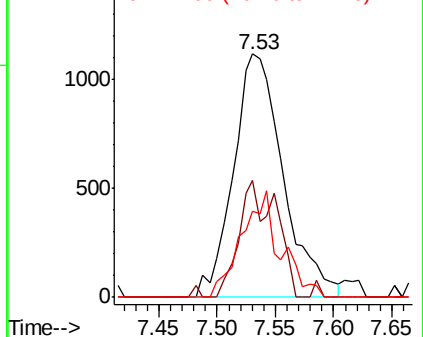
42 100

72 35.6 27.3 40.9

71 33.9 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

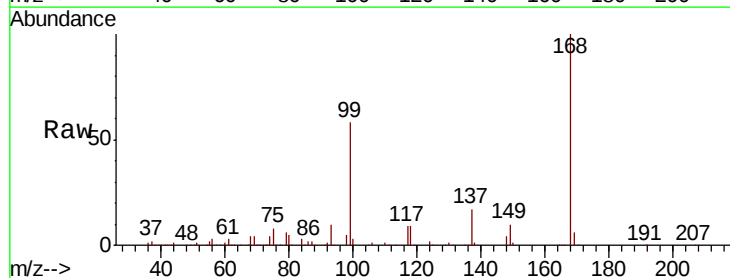
Tgt Ion: 56 Resp: 5599

Ion Ratio Lower Upper

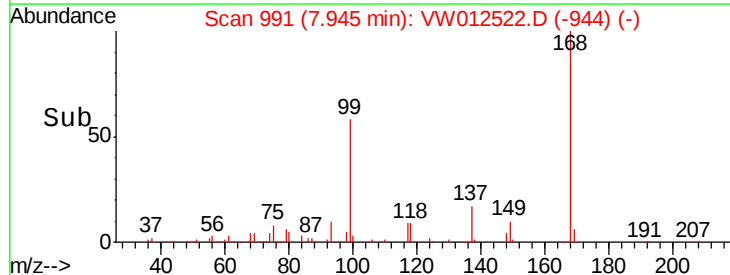
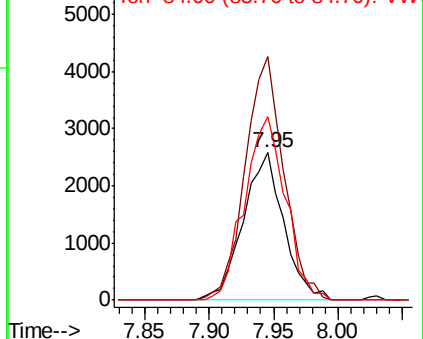
56 100

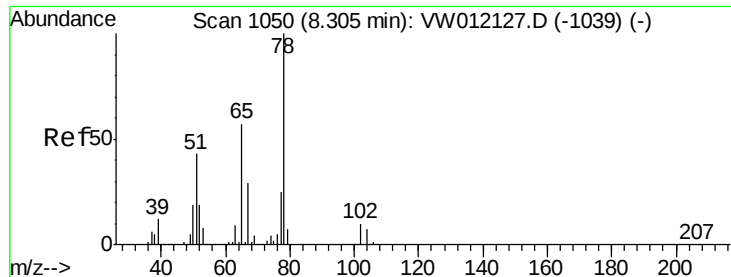
69 165.3 24.9 37.3#

84 124.7 60.6 90.8#



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: 49.659 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

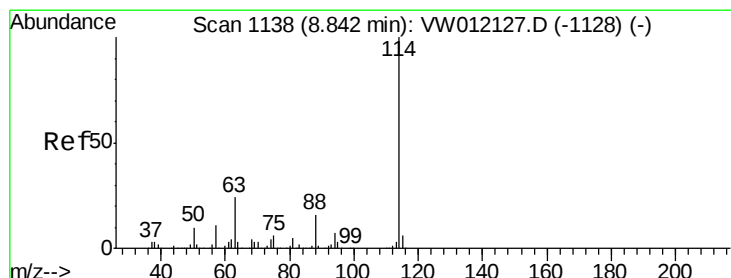
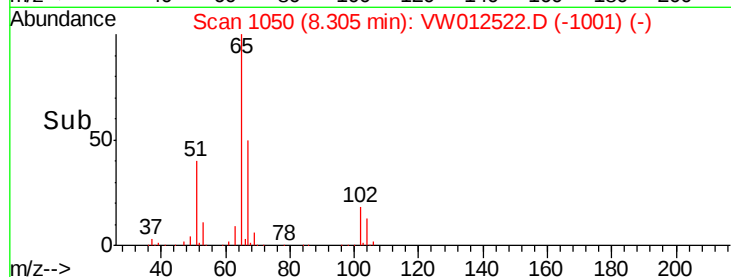
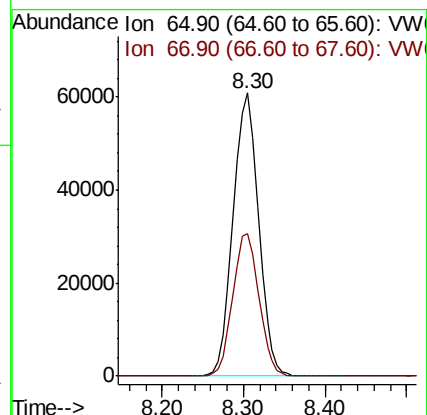
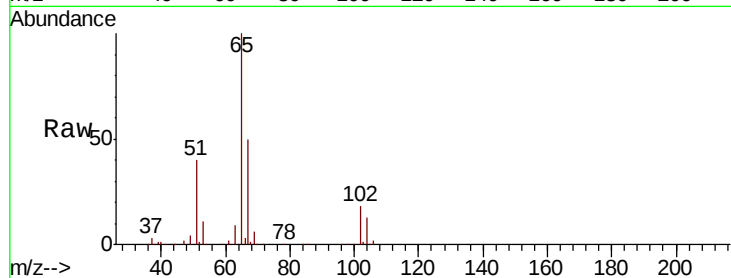
T16-17-B3-(2.25)

Tgt Ion: 65 Resp: 131470

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

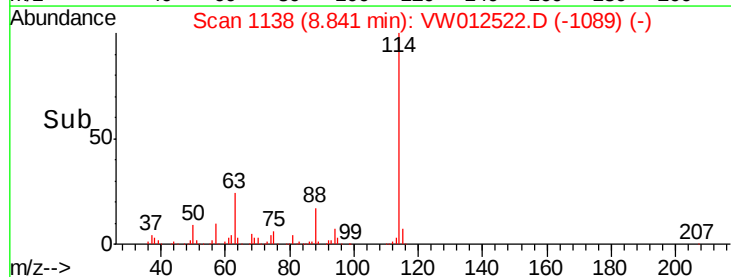
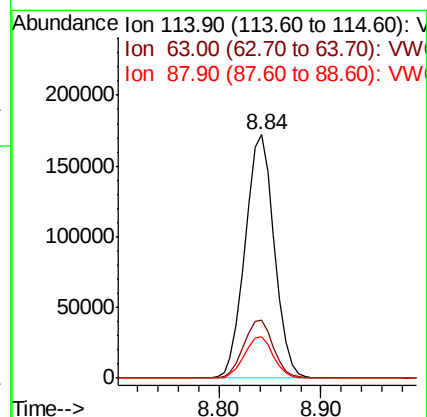
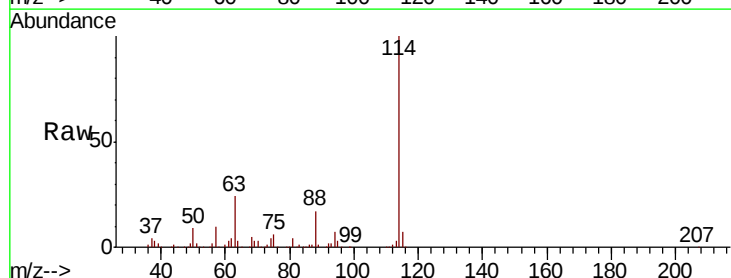
Tgt Ion: 114 Resp: 341653

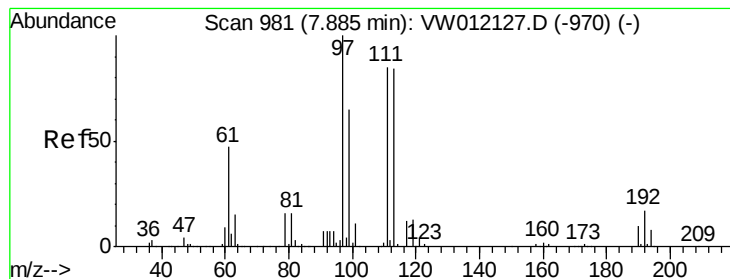
Ion Ratio Lower Upper

114 100

63 23.8 0.0 48.6

88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.596 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B3-(2.25)

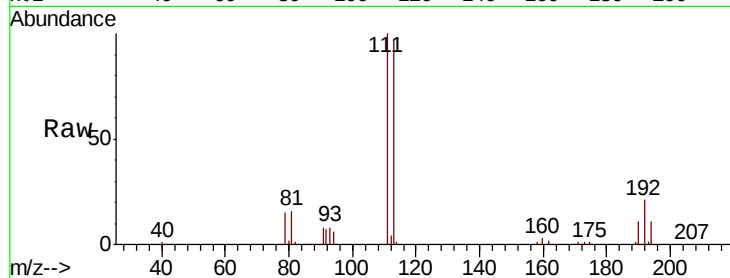
Tgt Ion:113 Resp: 111340

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

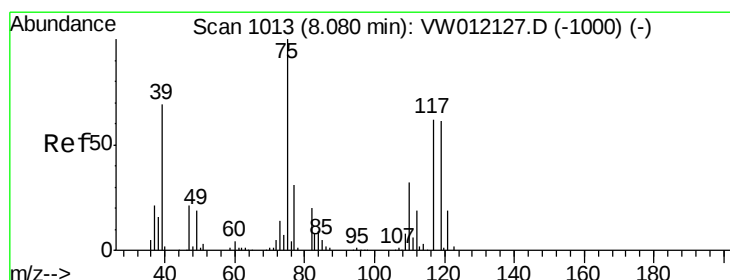
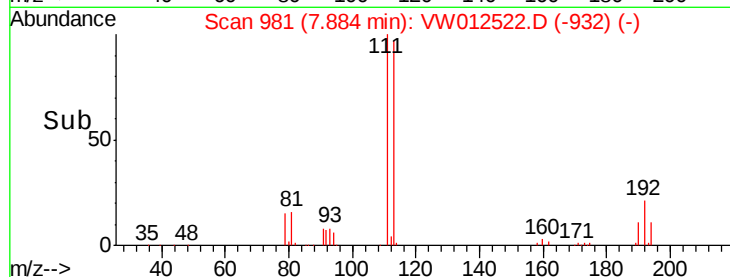
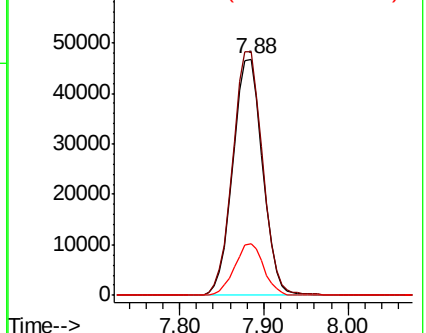
192 21.3 16.2 24.2



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: 5.067 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

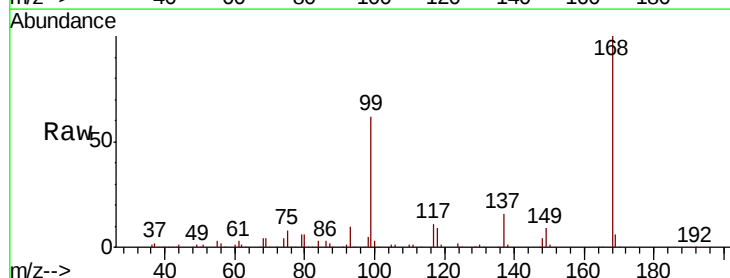
Tgt Ion: 75 Resp: 17889

Ion Ratio Lower Upper

75 100

110 9.2 15.6 46.8#

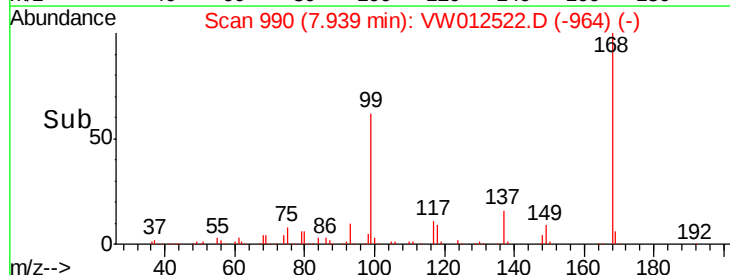
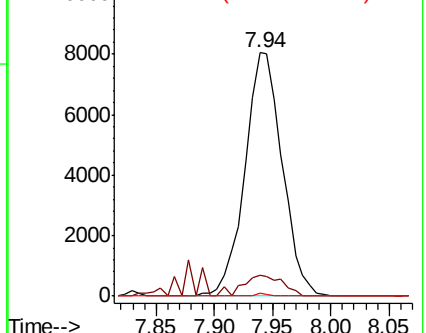
77 0.3 24.6 36.8#

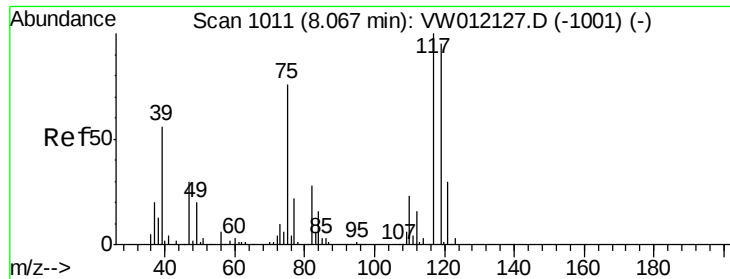


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.215 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

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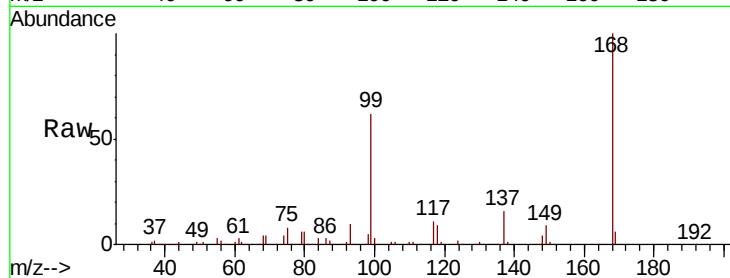
Tgt Ion:117 Resp: 22049

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

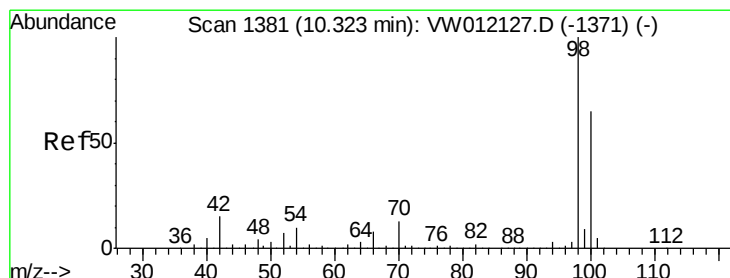
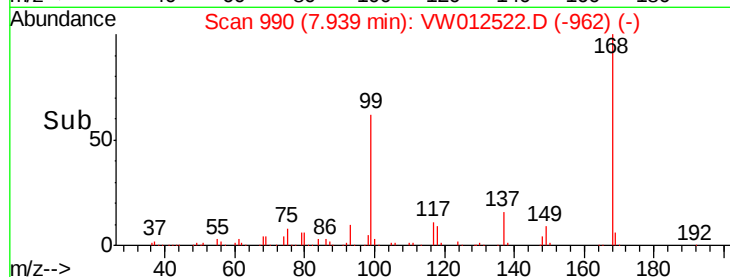
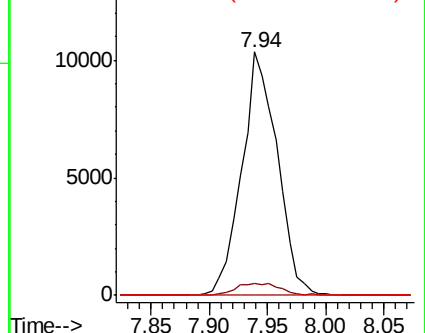
121 0.0 23.8 35.8#



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: 45.021 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012522.D

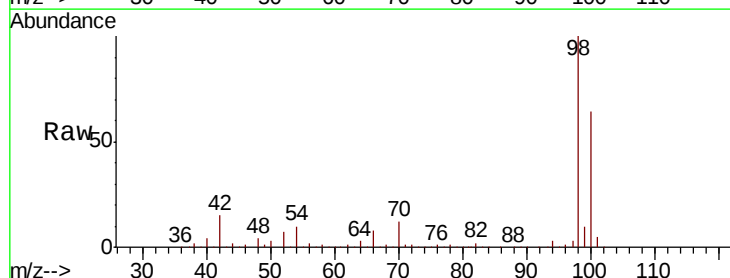
Acq: 03 Sep 2019 02:23

Tgt Ion: 98 Resp: 372271

Ion Ratio Lower Upper

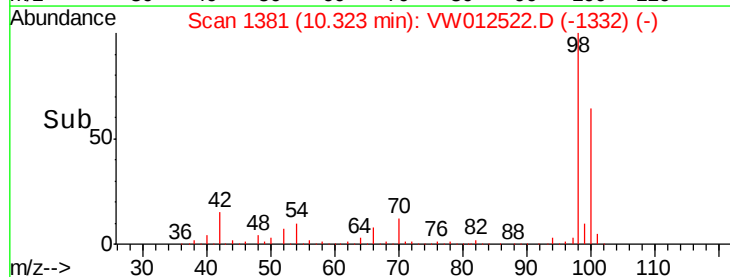
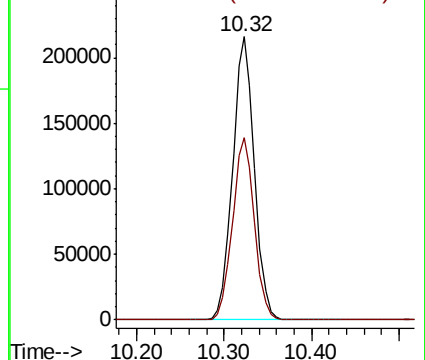
98 100

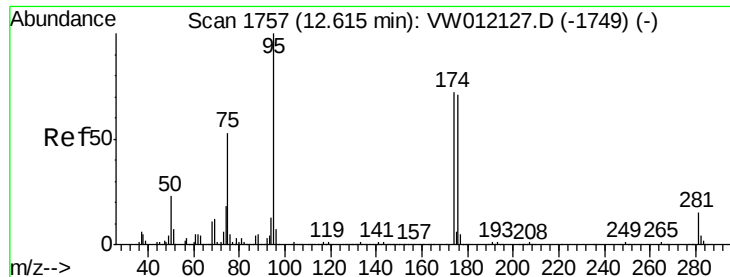
100 64.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 20.122 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

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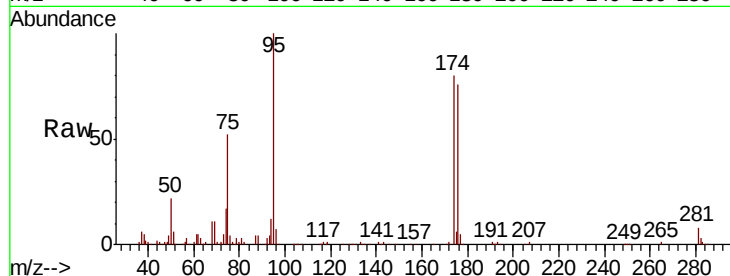
Tgt Ion: 95 Resp: 58650

Ion Ratio Lower Upper

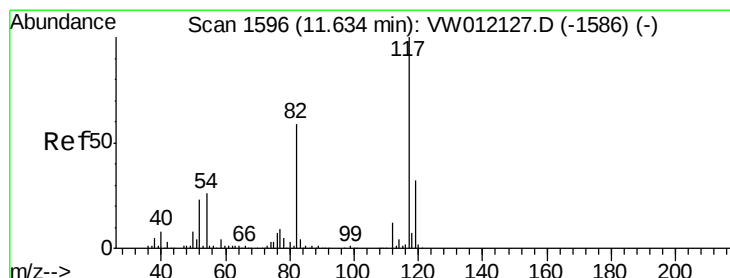
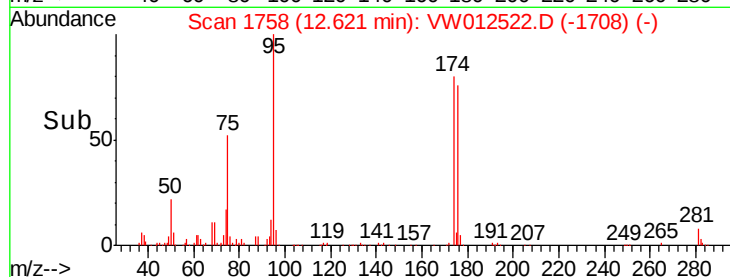
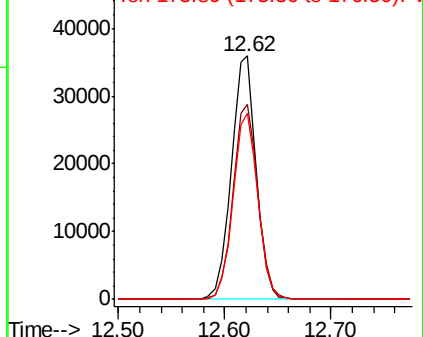
95 100

174 80.1 0.0 150.8

176 76.2 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

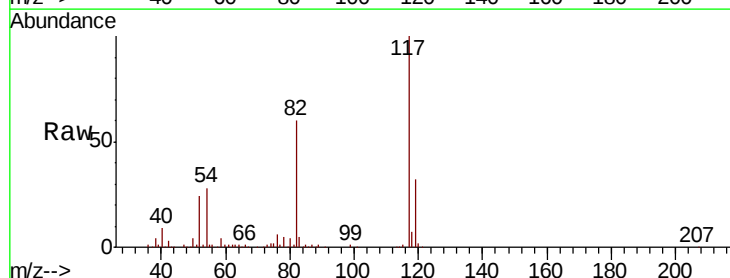
Tgt Ion: 117 Resp: 182997

Ion Ratio Lower Upper

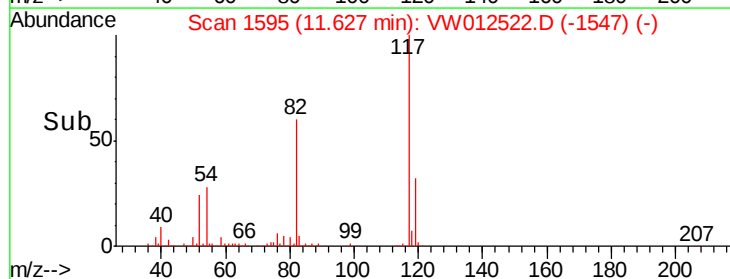
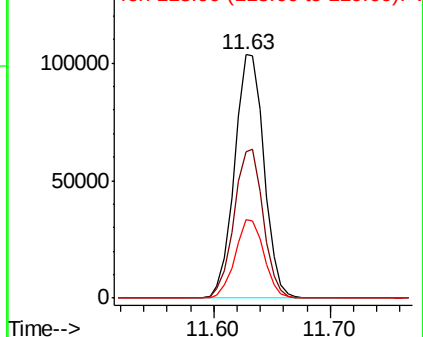
117 100

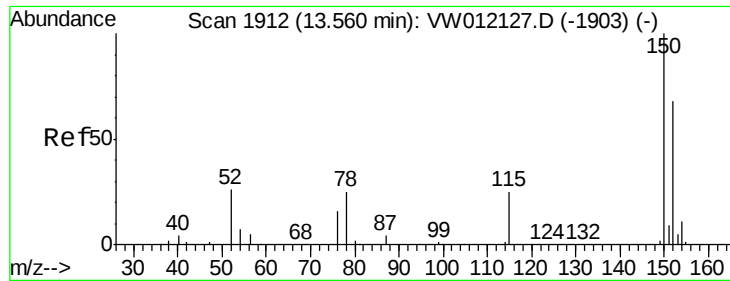
82 60.3 47.4 71.2

119 32.1 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012522.D

Acq: 03 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B3-(2.25)

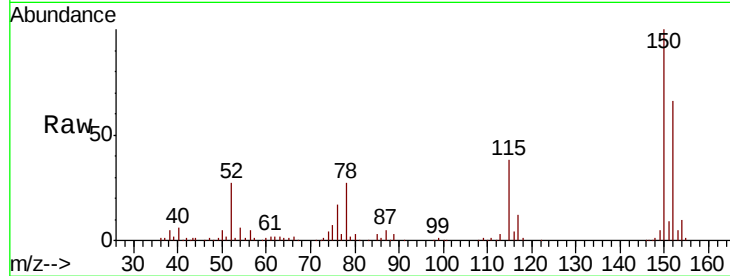
Tgt Ion:152 Resp: 34106

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

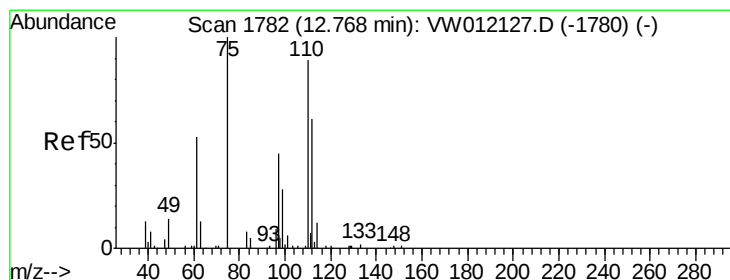
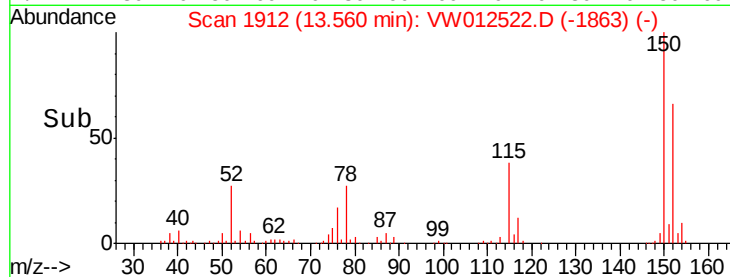
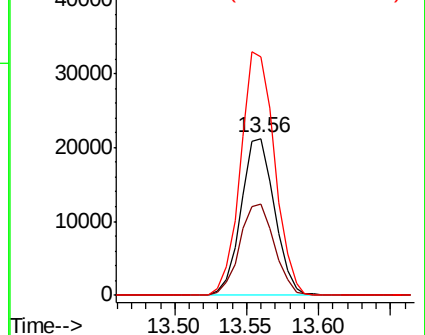
150 158.1 0.0 345.8



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: 94.398 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012522.D

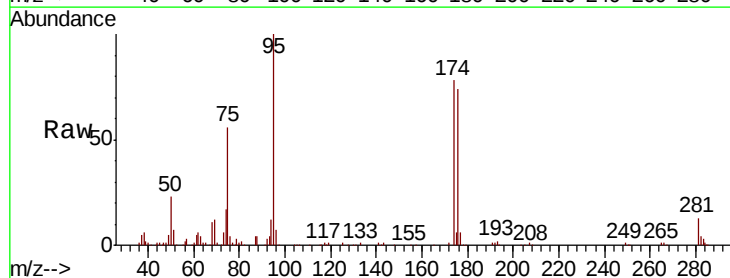
Acq: 03 Sep 2019 02:23

Tgt Ion: 75 Resp: 31356

Ion Ratio Lower Upper

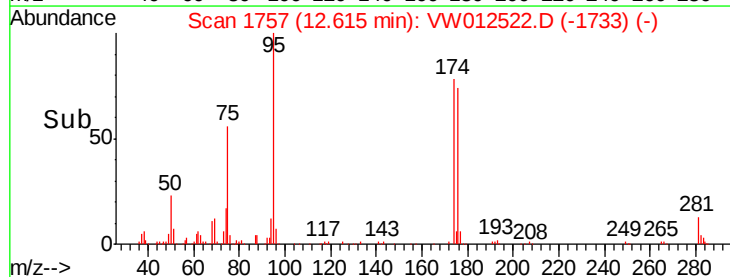
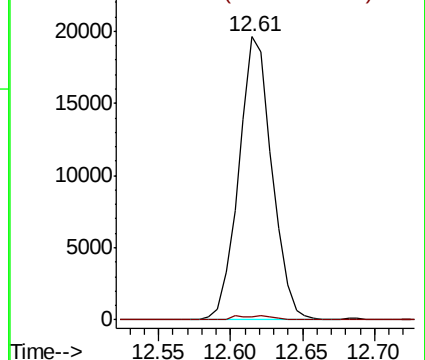
75 100

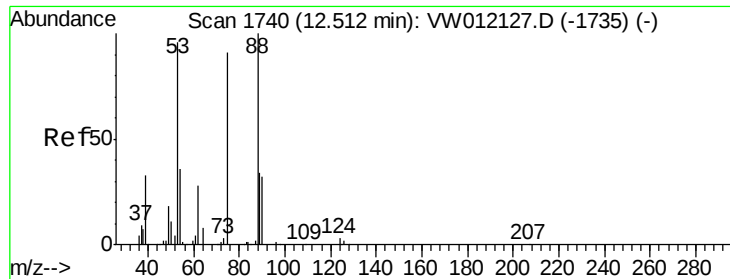
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

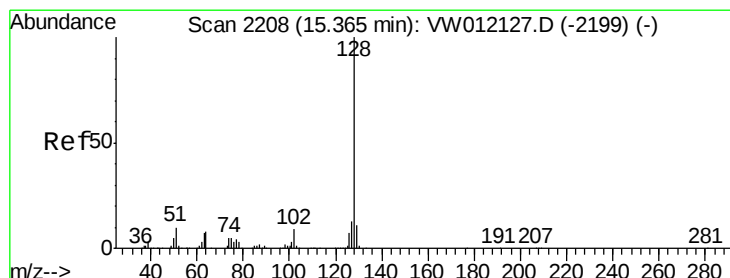
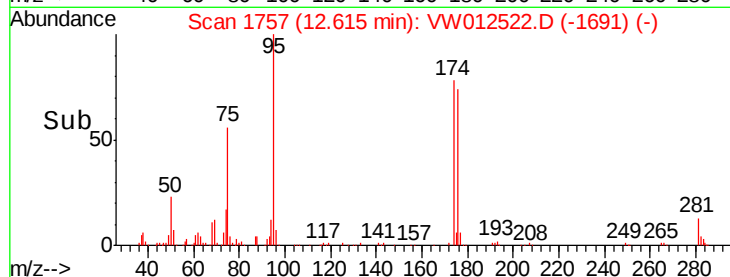
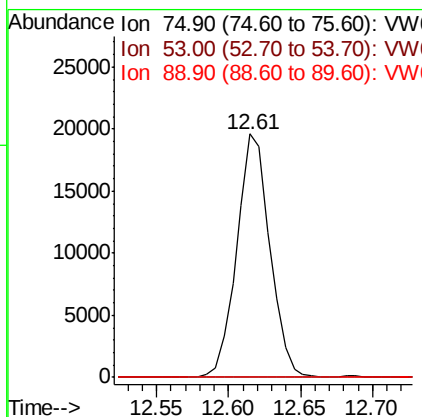
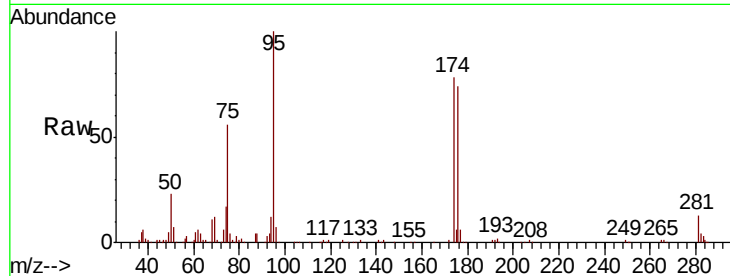




#81
trans-1,4-Dichloro-2-butene
Concen: 206.971 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012522.D
Acq: 03 Sep 2019 02:23

Instrument :
MSVOA_W
ClientSampleId :
T16-17-B3-(2.25)

Tgt Ion: 75 Resp: 31356
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.587 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012522.D
Acq: 03 Sep 2019 02:23

Tgt Ion: 128 Resp: 374
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 10.7 8.7 13.1

