

Data File : VW012372.D
Acq On : 31 Aug 2019 02:03
Operator : SY/VA
Sample : K4439-07
Misc : 4.69G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-5-(1-3)

Quant Time: Aug 31 03:11:32 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	200334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	328542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47501	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136765	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
35) Dibromofluoromethane	7.88	113	102737	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	10.32	98	402605	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.61	95	81342	29.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.04%	

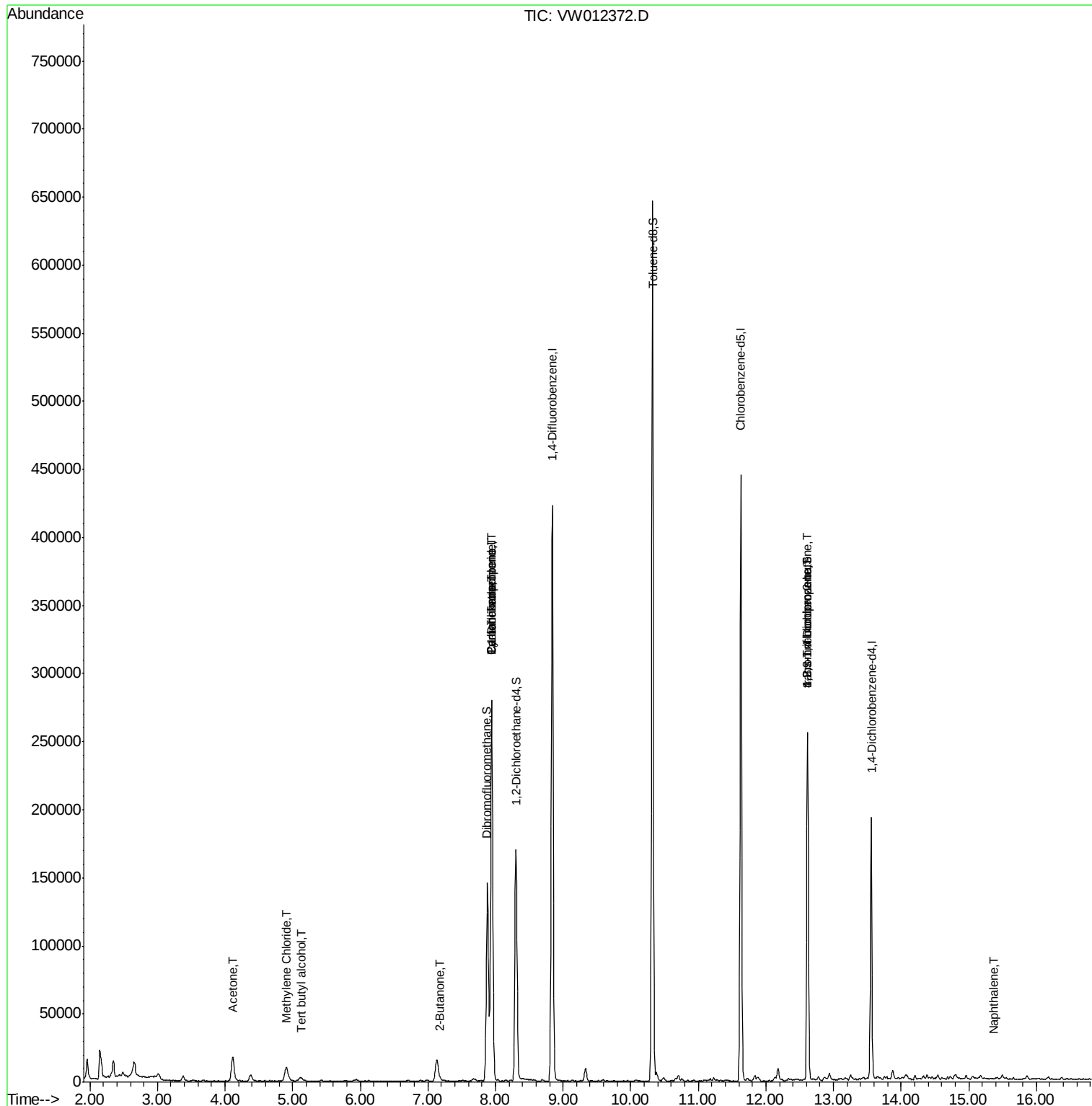
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.13	59	3509	24.484	ug/l #	82
16) Acetone	4.11	43	32263	52.998	ug/l	100
20) Methylene Chloride	4.91	84	7225	3.139	ug/l	92
25) 2-Butanone	7.18	43	3669	4.435	ug/l #	84
31) Cyclohexane	7.95	56	6695	1.561	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	17525	5.162	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20791	7.075	ug/l #	16
76) 1,2,3-Trichloropropane	12.61	75	44488	96.164	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	44488	210.843	ug/l #	6
95) Naphthalene	15.37	128	392	4.521	ug/l #	69

(#) = 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# 991

Delta R.T. -0.00 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

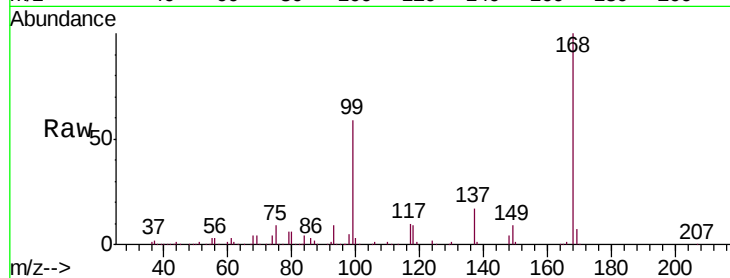
S-5-(1-3)

Tgt Ion:168 Resp: 200334

Ion Ratio Lower Upper

168 100

99 59.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

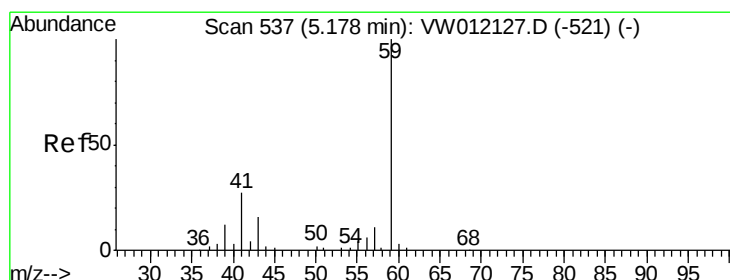
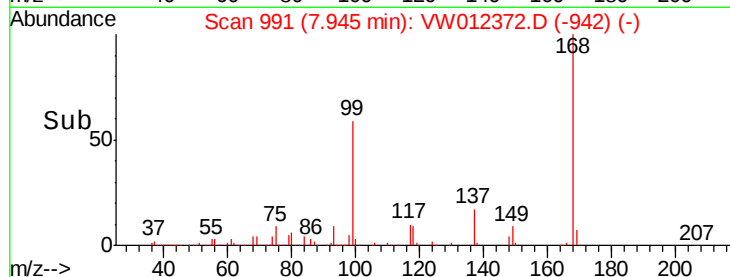
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 24.484 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.05 min

Lab File: VW012372.D

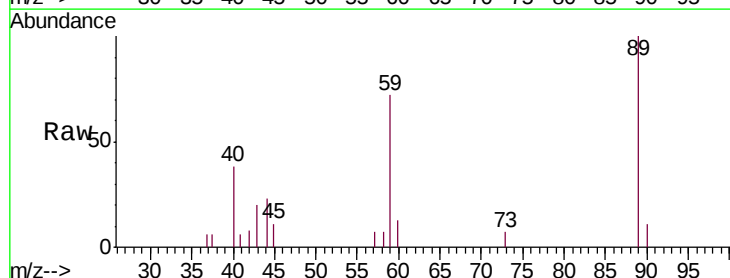
Acq: 31 Aug 2019 02:03

Tgt Ion: 59 Resp: 3509

Ion Ratio Lower Upper

59 100

57 4.4 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

800

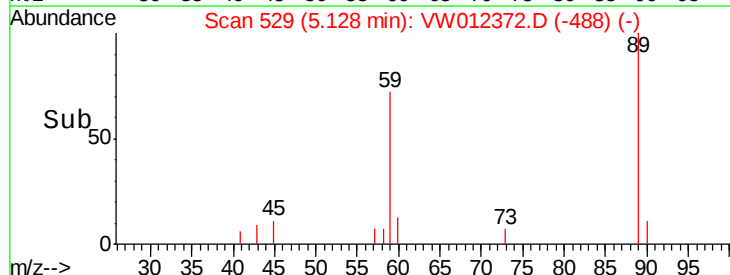
600

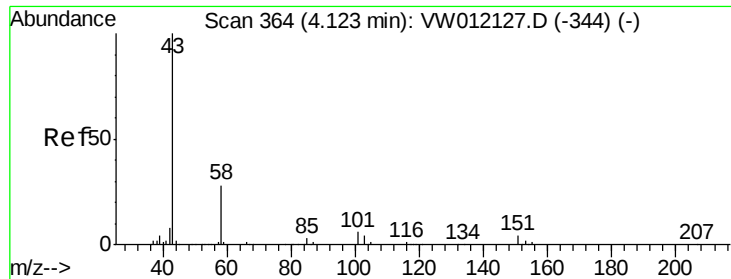
400

200

0

Time-->

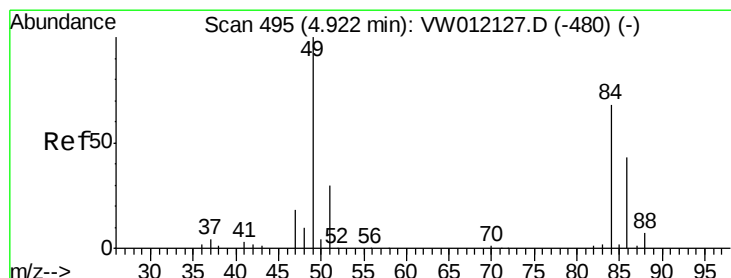
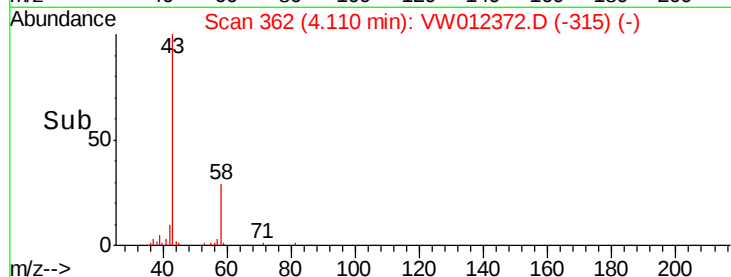
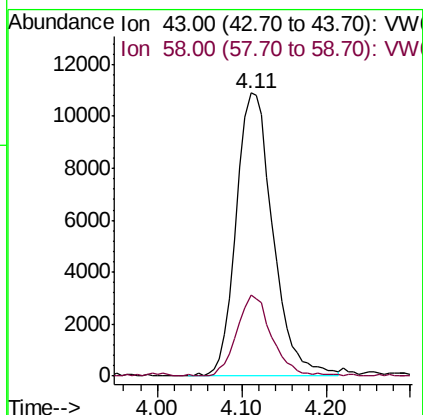
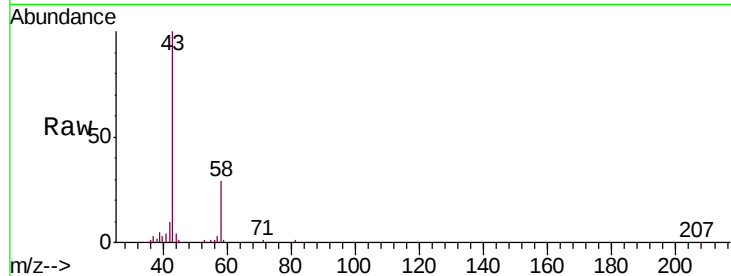




#16
Acetone
Concen: 52.998 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012372.D
Acq: 31 Aug 2019 02:03

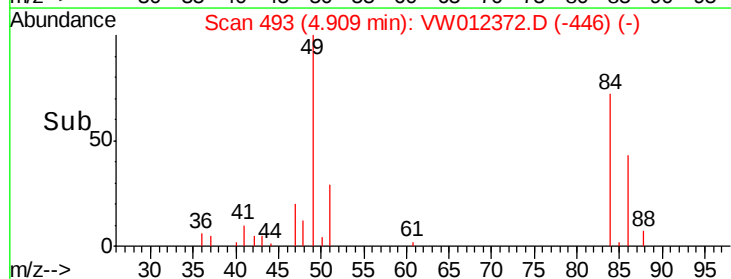
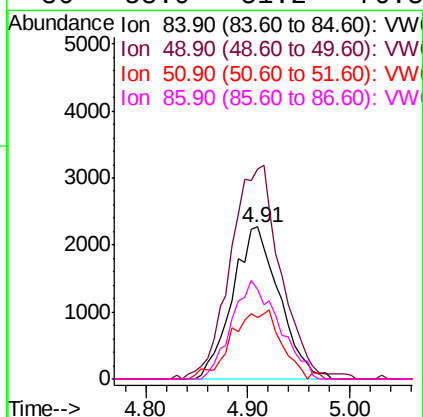
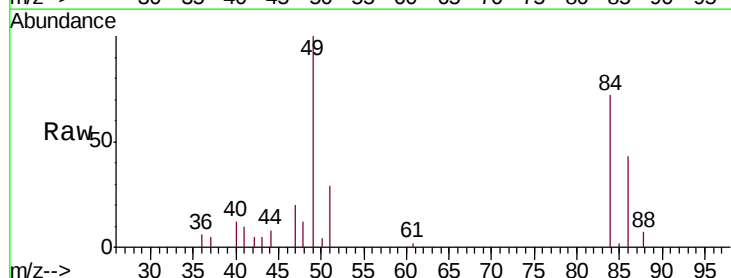
Instrument :
MSVOA_W
ClientSampleId :
S-5-(1-3)

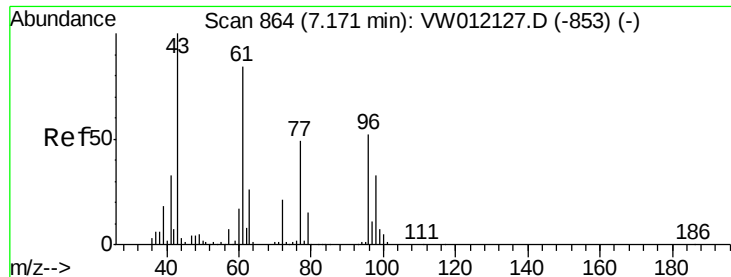
Tgt Ion: 43 Resp: 32263
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6



#20
Methylene Chloride
Concen: 3.139 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012372.D
Acq: 31 Aug 2019 02:03

Tgt Ion: 84 Resp: 7225
Ion Ratio Lower Upper
84 100
49 135.1 117.8 176.8
51 40.5 35.6 53.4
86 58.9 51.2 76.8





#25

2-Butanone

Concen: 4.435 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

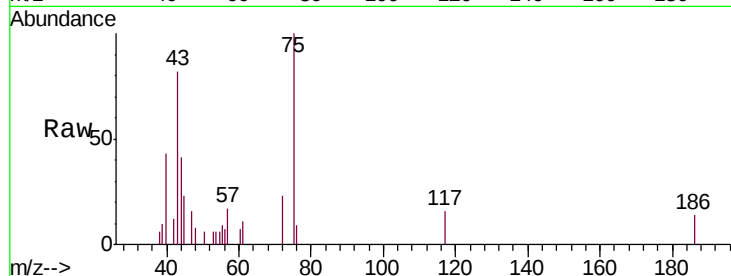
S-5-(1-3)

Tgt Ion: 43 Resp: 3669

Ion Ratio Lower Upper

43 100

72 28.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

800

600

400

200

0

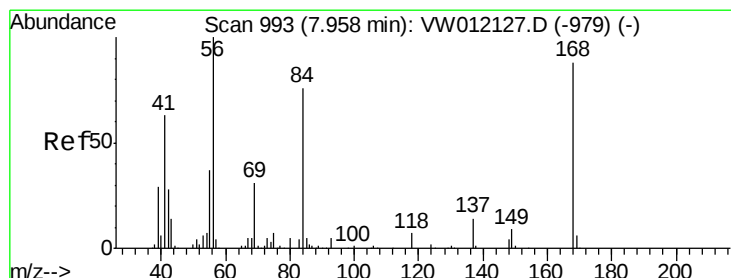
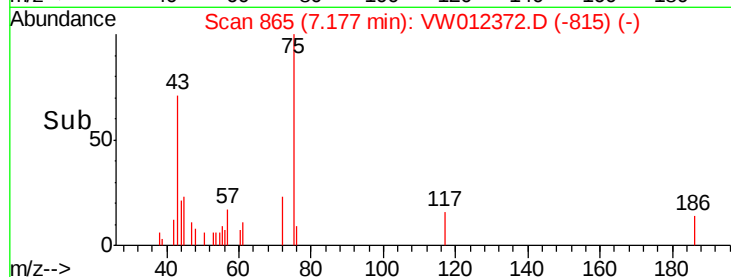
Time-->

7.00

7.10

7.20

7.30



#31

Cyclohexane

Concen: 1.561 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

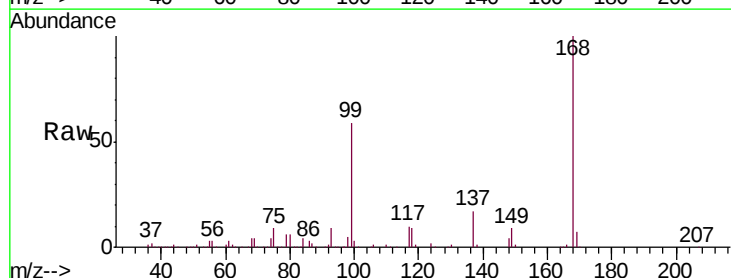
Tgt Ion: 56 Resp: 6695

Ion Ratio Lower Upper

56 100

69 139.7 24.9 37.3#

84 124.5 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

5000

4000

3000

2000

1000

0

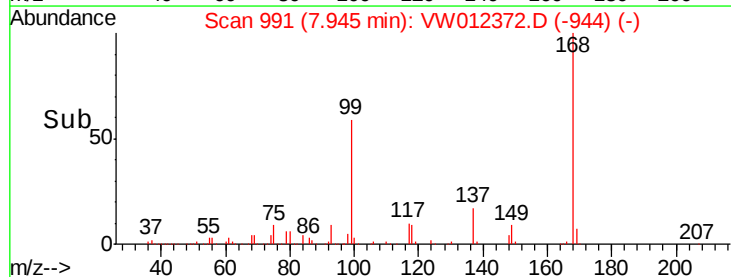
Time-->

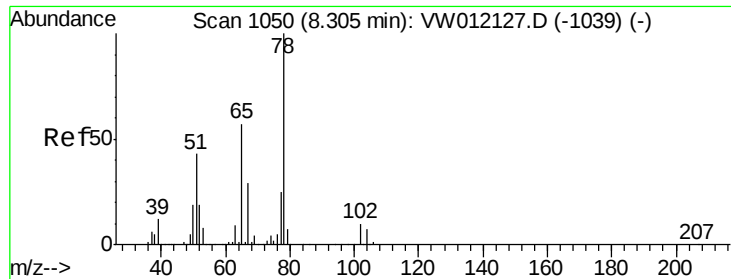
7.85

7.90

7.95

8.00

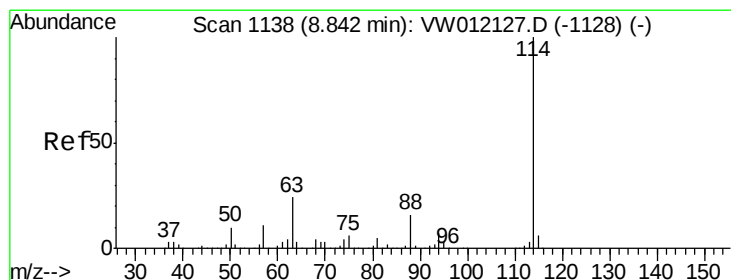
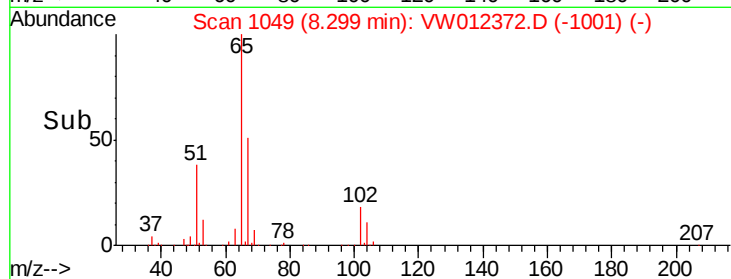
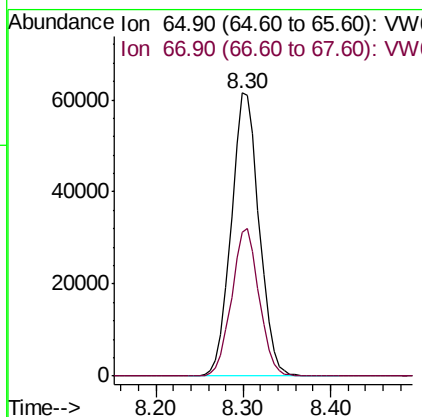
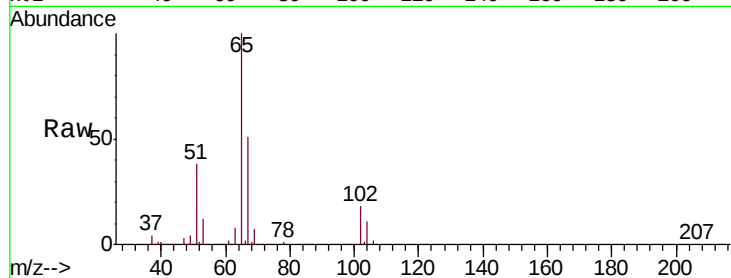




#33
 1,2-Dichloroethane-d4
 Concen: 57.429 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012372.D
 Acq: 31 Aug 2019 02:03

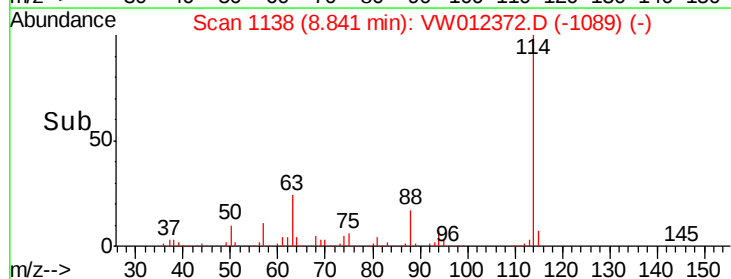
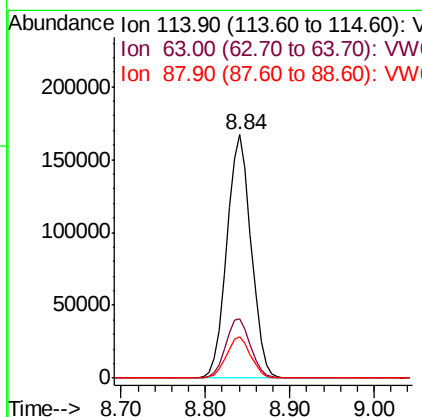
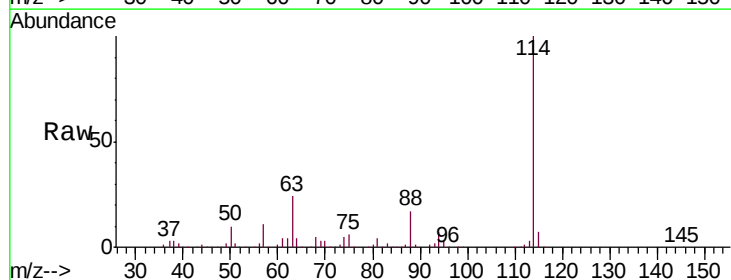
Instrument :
 MSVOA_W
 ClientSampleId :
 S-5-(1-3)

Tgt Ion: 65 Resp: 136765
 Ion Ratio Lower Upper
 65 100
 67 51.1 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: VW012372.D
 Acq: 31 Aug 2019 02:03

Tgt Ion: 114 Resp: 328542
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.388 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

S-5-(1-3)

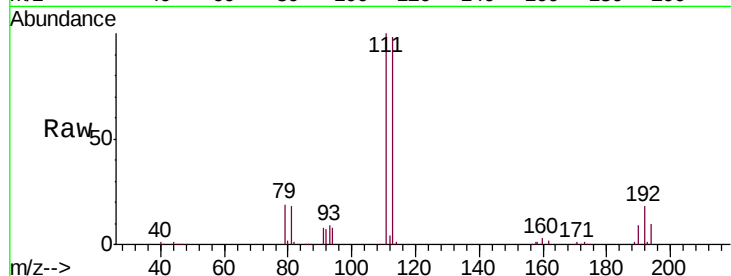
Tgt Ion:113 Resp: 102737

Ion Ratio Lower Upper

113 100

111 104.8 82.7 124.1

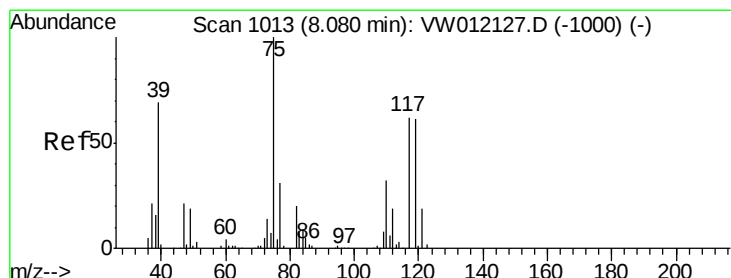
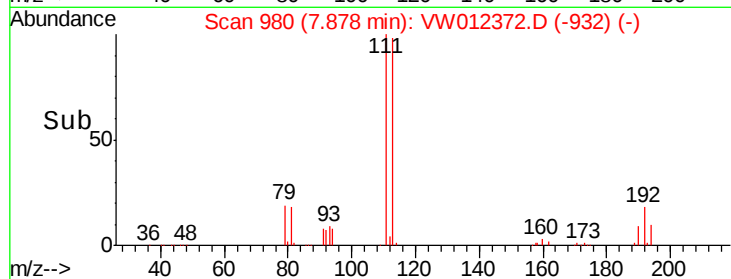
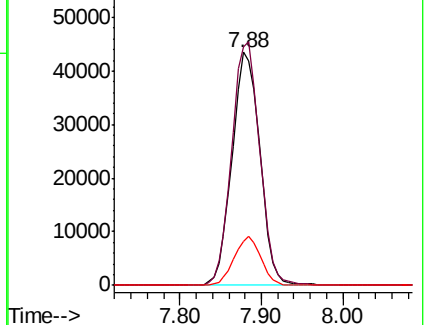
192 20.0 16.2 24.2



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: 5.162 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

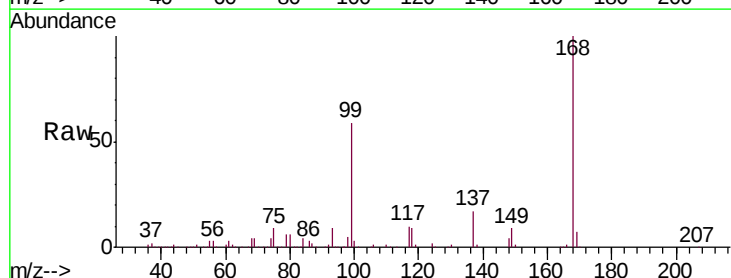
Tgt Ion: 75 Resp: 17525

Ion Ratio Lower Upper

75 100

110 8.1 15.6 46.8#

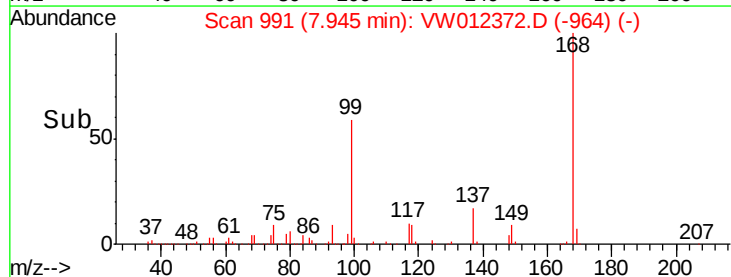
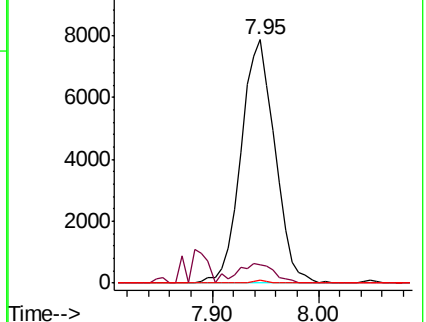
77 0.5 24.6 36.8#

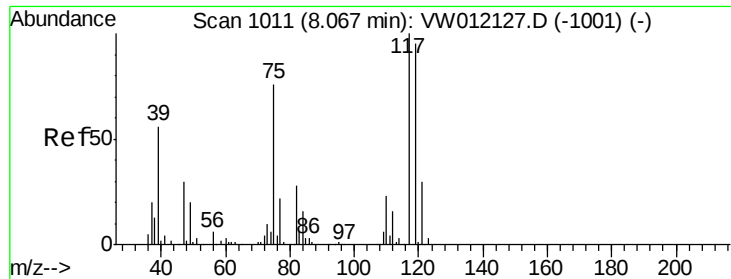


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

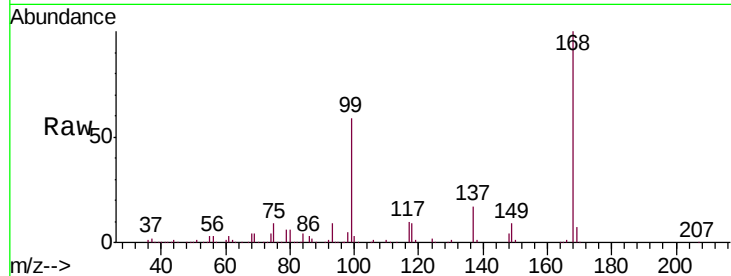




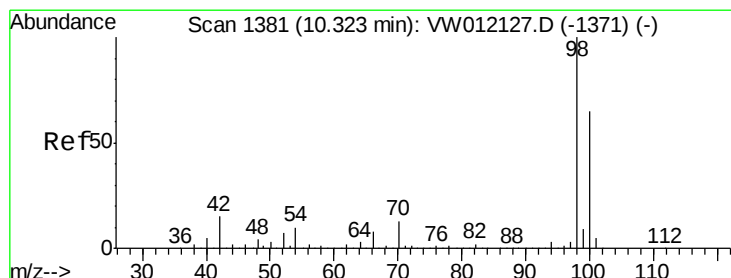
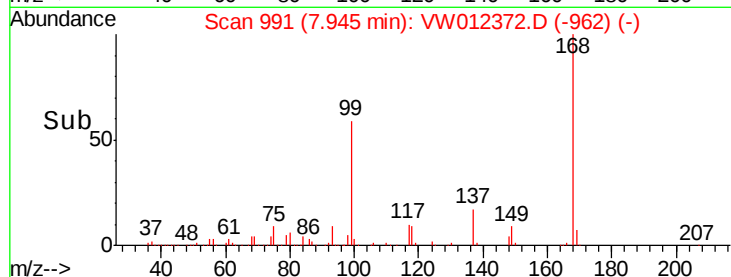
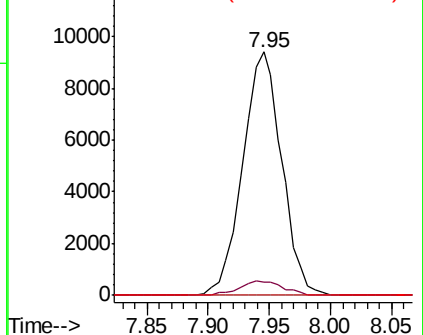
#38
Carbon Tetrachloride
Concen: 7.075 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012372.D
Acq: 31 Aug 2019 02:03

Instrument :
MSVOA_W
ClientSampleId :
S-5-(1-3)

Tgt Ion: 117 Resp: 20791
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 23.8 35.8#

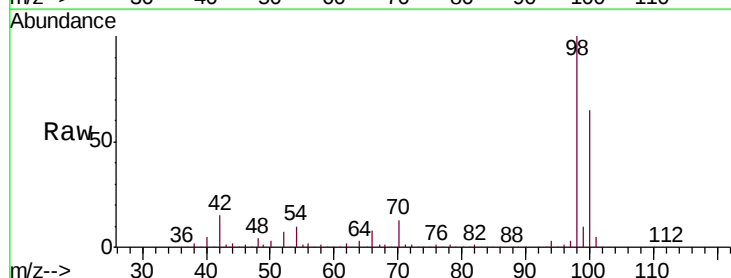


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

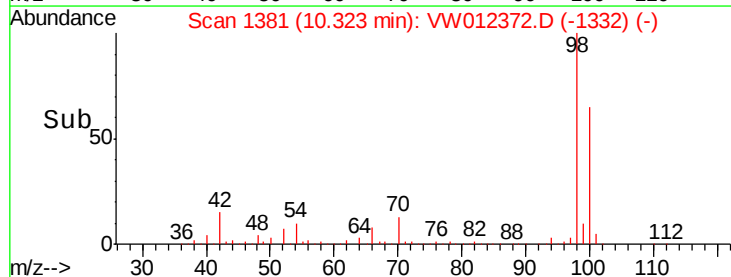
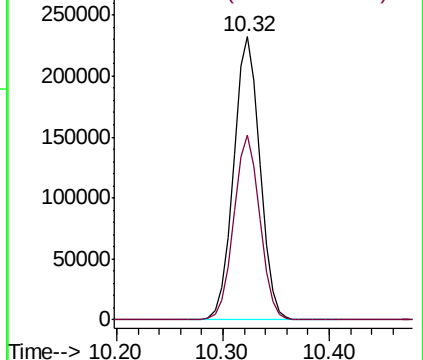


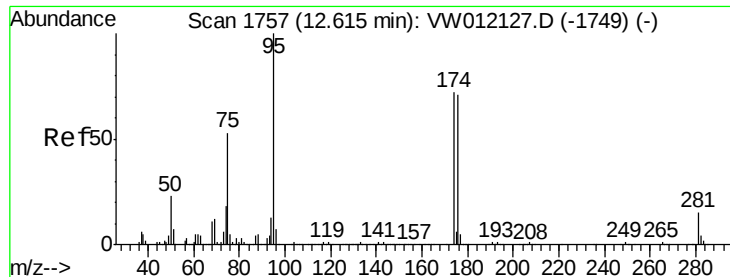
#50
Toluene-d8
Concen: 50.632 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012372.D
Acq: 31 Aug 2019 02:03

Tgt Ion: 98 Resp: 402605
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

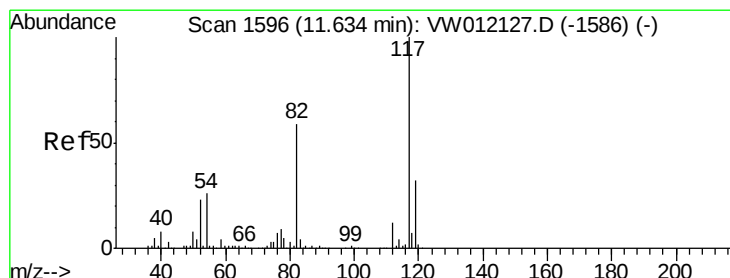
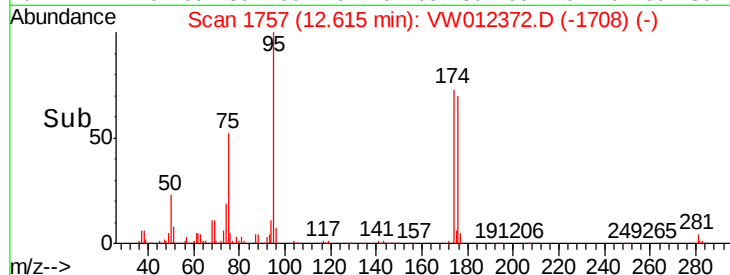
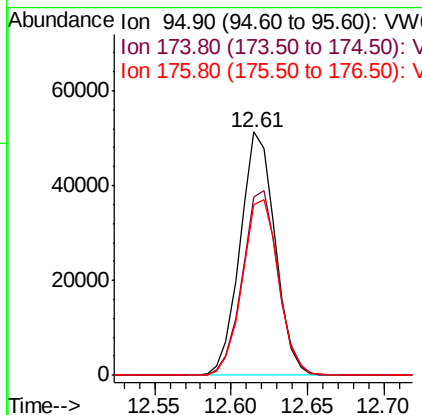
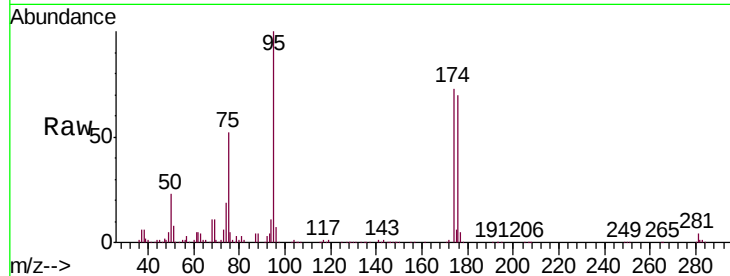




#62
4-Bromofluorobenzene
Concen: 29.020 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012372.D
Acq: 31 Aug 2019 02:03

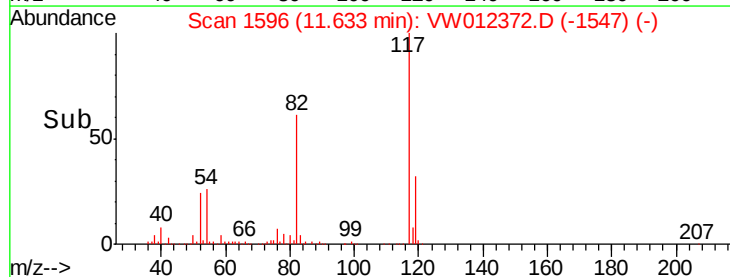
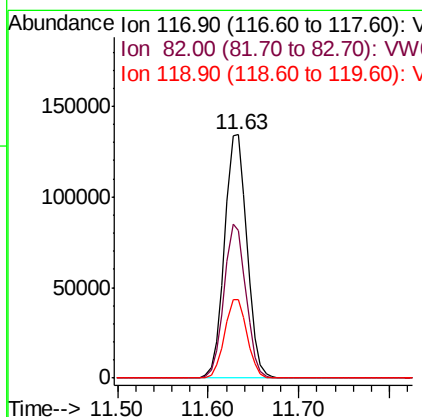
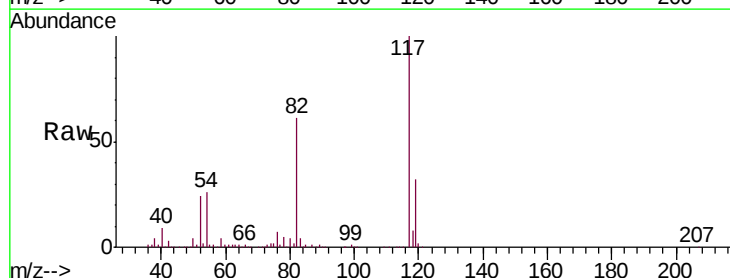
Instrument :
MSVOA_W
ClientSampleId :
S-5-(1-3)

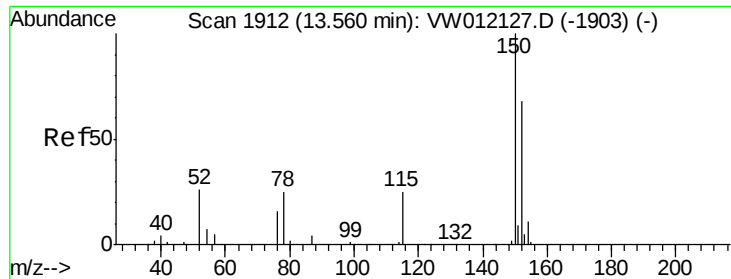
Tgt Ion: 95 Resp: 81342
Ion Ratio Lower Upper
95 100
174 77.4 0.0 150.8
176 75.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012372.D
Acq: 31 Aug 2019 02:03

Tgt Ion: 117 Resp: 231220
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

S-5-(1-3)

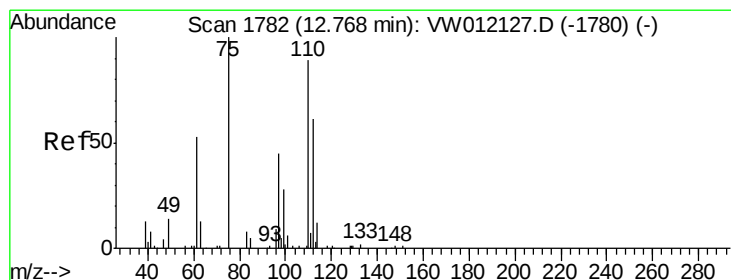
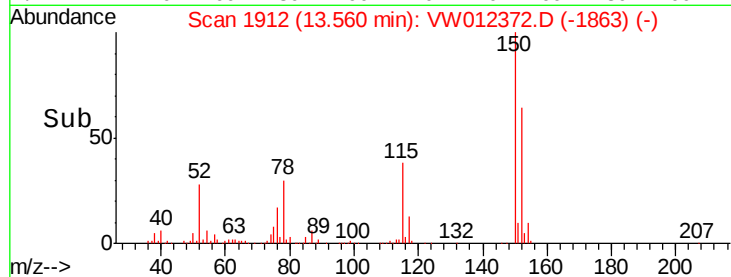
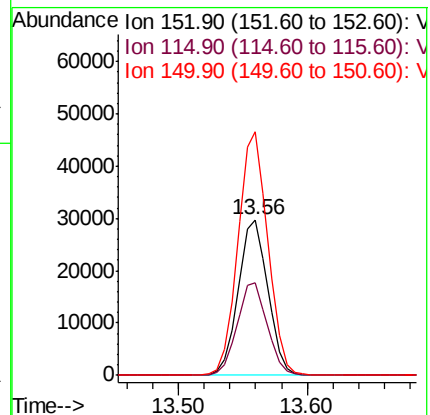
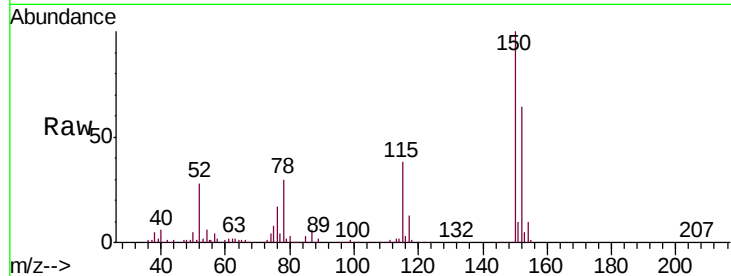
Tgt Ion:152 Resp: 47501

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

150 157.3 0.0 345.8



#76

1,2,3-Trichloropropane

Concen: 96.164 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012372.D

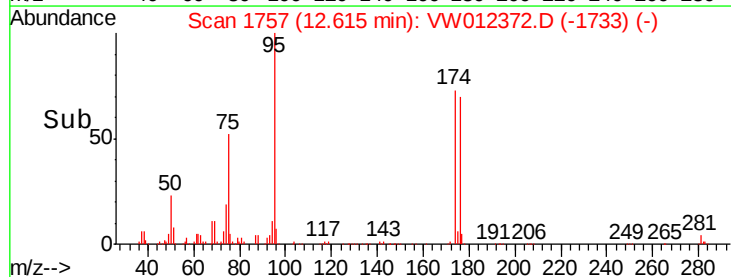
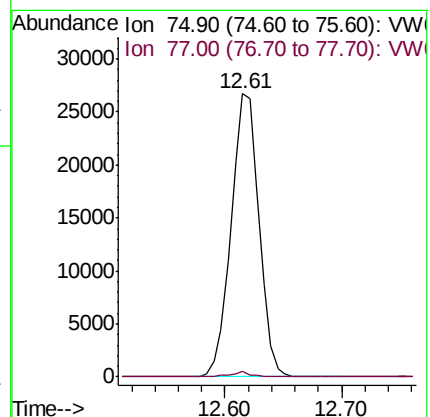
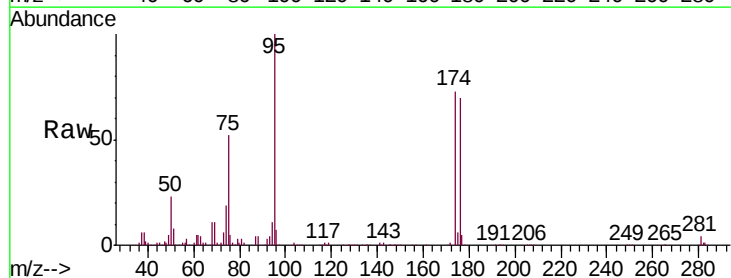
Acq: 31 Aug 2019 02:03

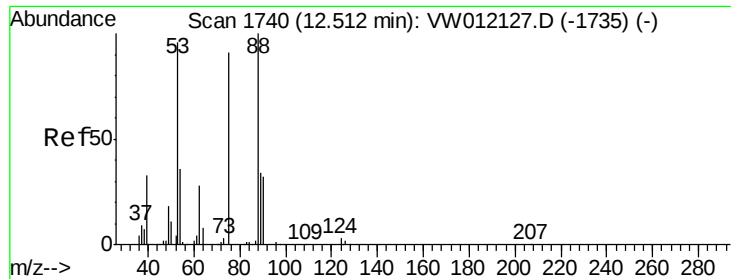
Tgt Ion: 75 Resp: 44488

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 210.843 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

S-5-(1-3)

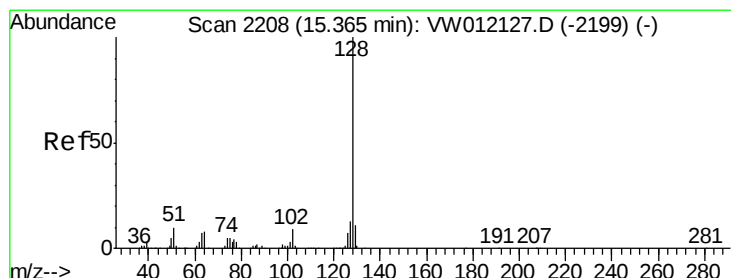
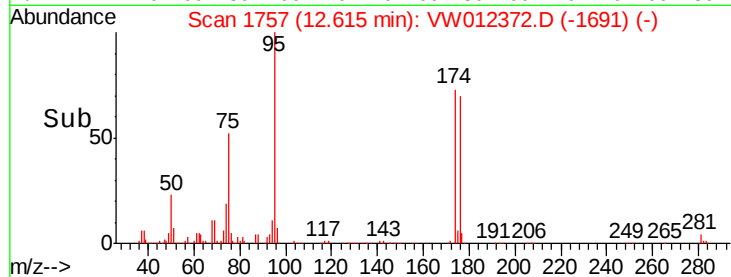
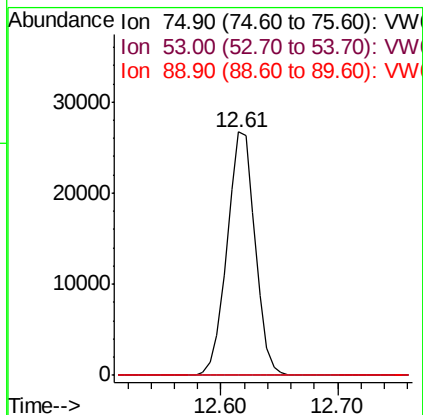
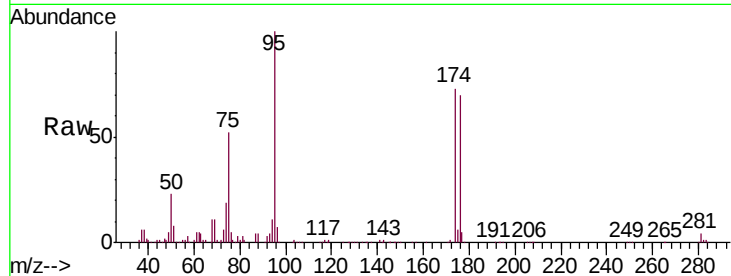
Tgt Ion: 75 Resp: 44488

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.521 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012372.D

Acq: 31 Aug 2019 02:03

Tgt Ion: 128 Resp: 392

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

