

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007566.D
 Acq On : 15 Dec 2018 06:40
 Operator : SY/AP
 Sample : J6391-05
 Misc : 5.95G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-1824-01

Quant Time: Dec 15 19:31:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	102208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	36716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	46532	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	7.88	113	40360	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	10.32	98	138159	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.62	95	41456	38.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.86%	

Target Compounds

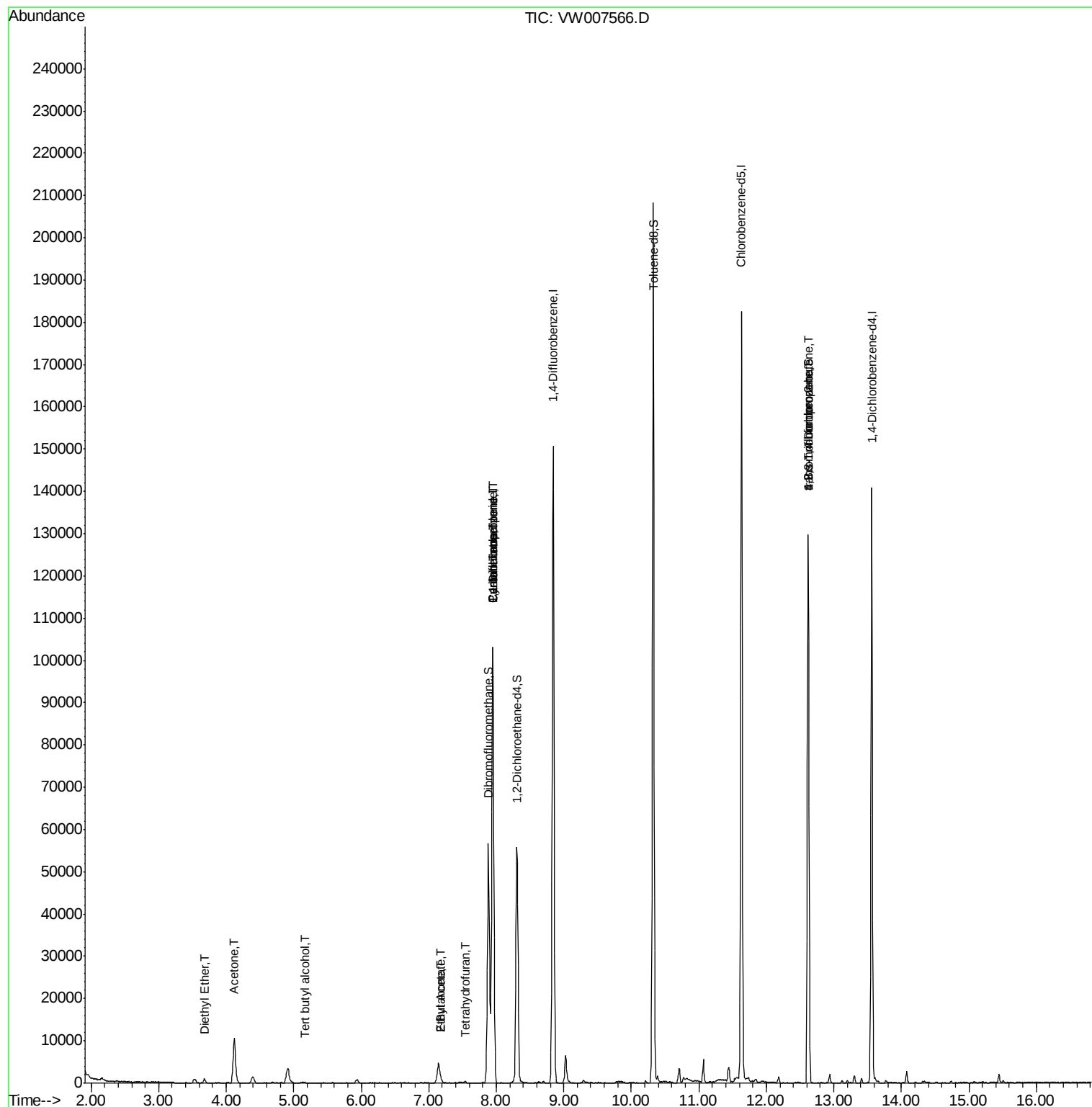
					Qvalue	
8) Diethyl Ether	3.67	74	558	1.518	ug/l	86
11) Tert butyl alcohol	5.17	59	162	2.795	ug/l #	74
16) Acetone	4.12	43	17741	120.367	ug/l	93
20) Methylene Chloride	4.91	84	2989	Below Cal		94
25) 2-Butanone	7.18	43	1391	7.229	ug/l #	84
29) Tetrahydrofuran	7.55	42	346	2.840	ug/l #	39
31) Cyclohexane	7.95	56	1698	1.295	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	5970	5.129	ug/l #	49
37) Ethyl Acetate	7.18	43	1391	3.213	ug/l #	66
38) Carbon Tetrachloride	7.95	117	8038	6.347	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	21656	71.535	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21656	158.021	ug/l #	7

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007566.D

Acq: 15 Dec 2018 06:40

Instrument :

MSVOA_W

ClientSampleId :

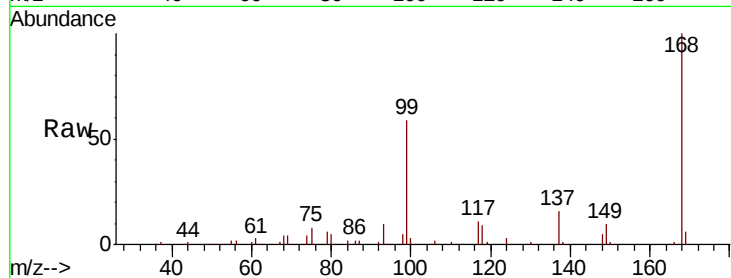
P001-SS015-1824-01

Tgt Ion: 168 Resp: 76060

Ion Ratio Lower Upper

168 100

99 59.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

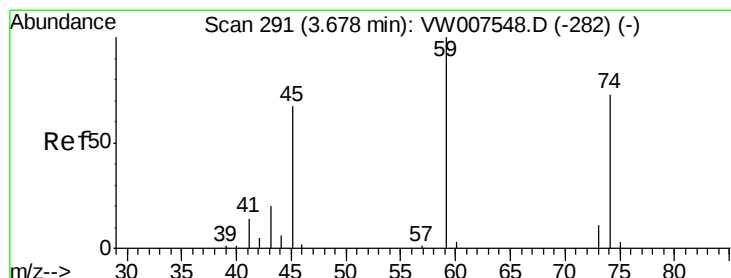
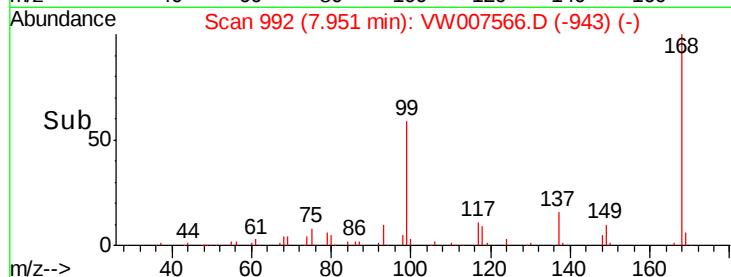
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#8

Diethyl Ether

Concen: 1.518 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW007566.D

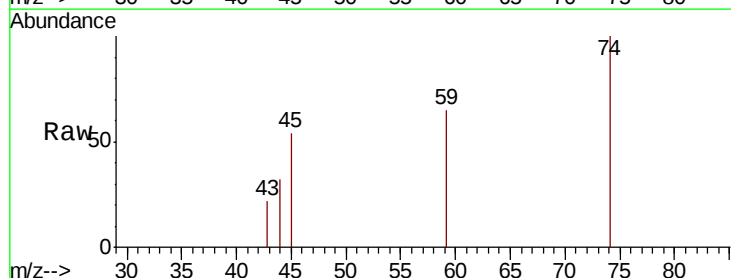
Acq: 15 Dec 2018 06:40

Tgt Ion: 74 Resp: 558

Ion Ratio Lower Upper

74 100

45 99.1 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

400

300

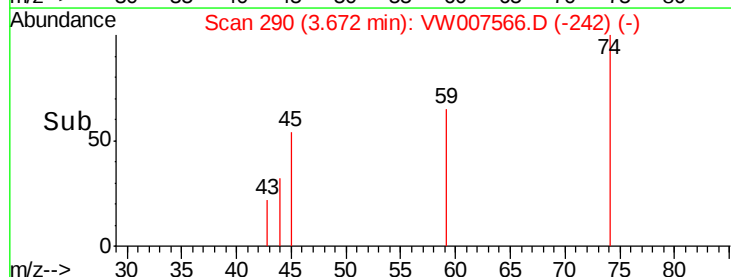
200

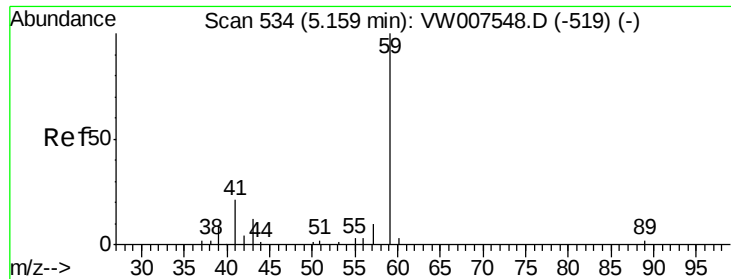
100

0

Time-->

3.65 3.70

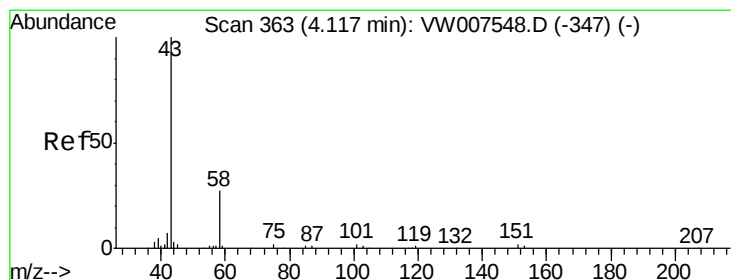
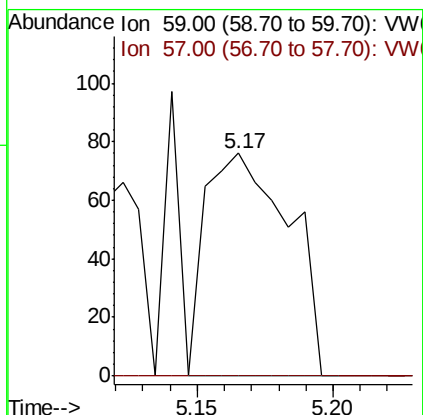
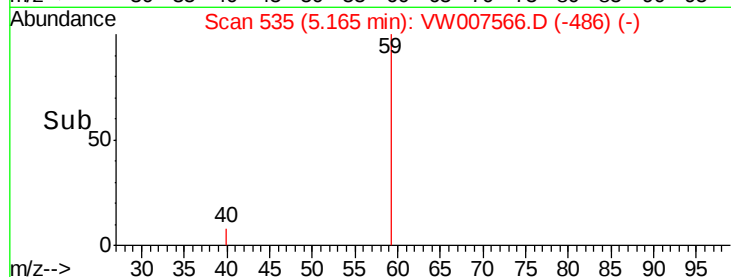
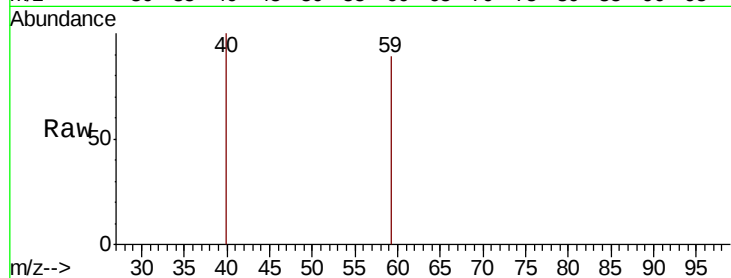




#11
Tert butyl alcohol
Concen: 2.795 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

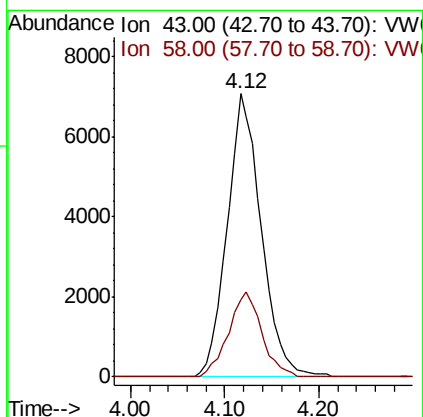
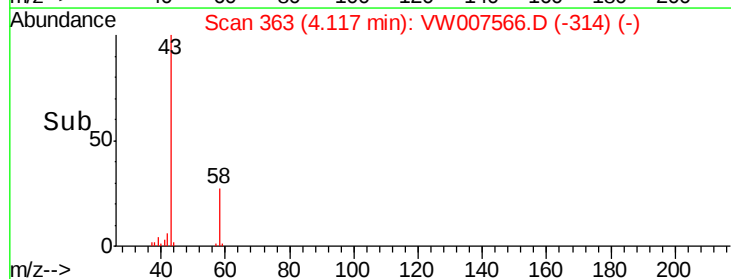
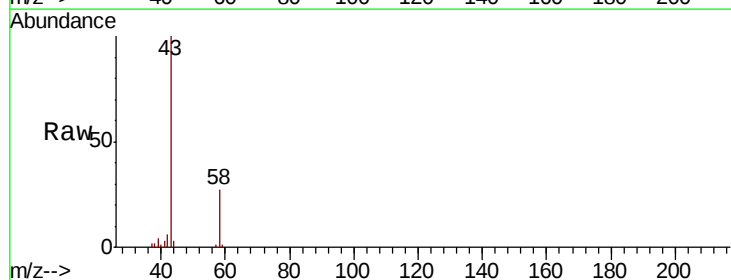
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-1824-01

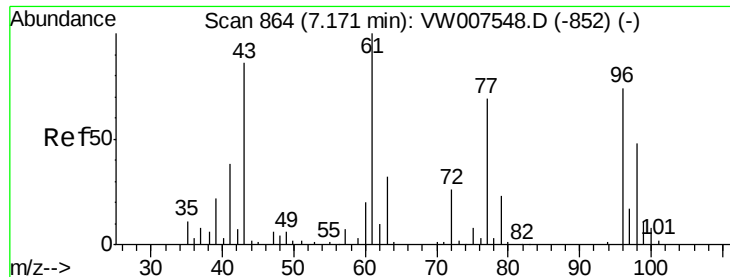
Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



#16
Acetone
Concen: 120.367 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

Tgt Ion: 43 Resp: 17741
Ion Ratio Lower Upper
43 100
58 27.1 24.9 37.3

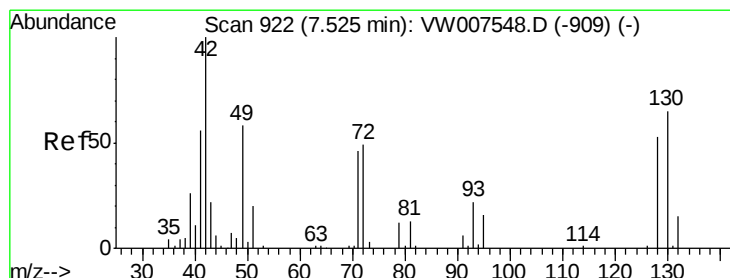
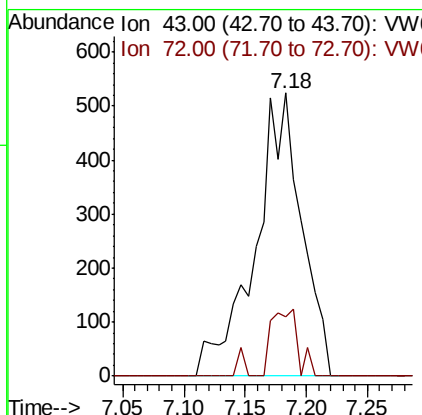
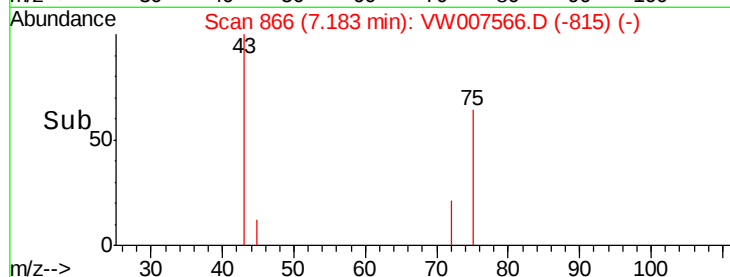
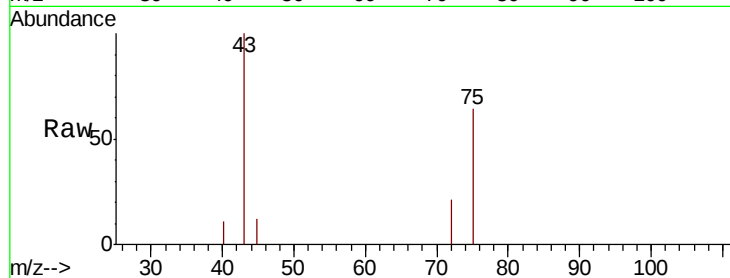




#25
2-Butanone
Concen: 7.229 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

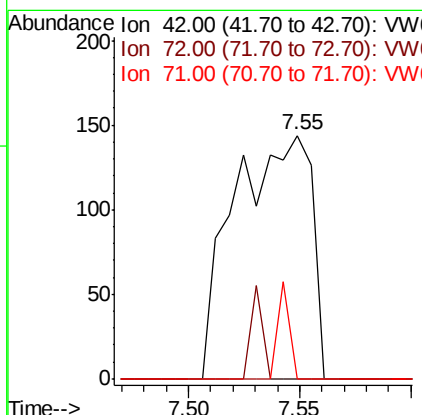
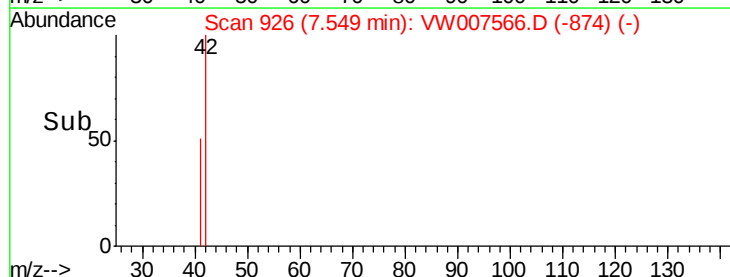
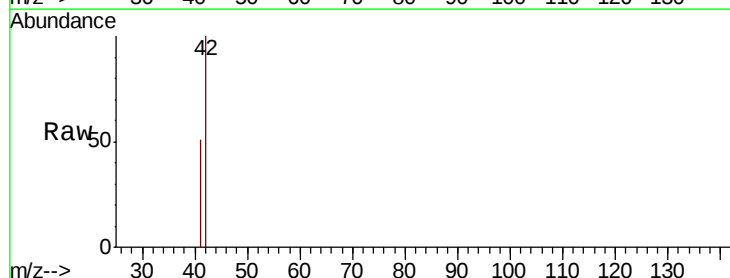
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-1824-01

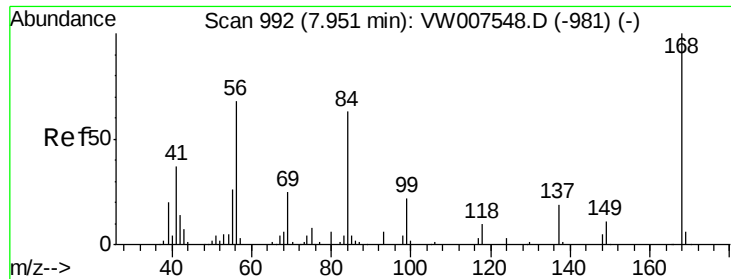
Tgt Ion: 43 Resp: 1391
Ion Ratio Lower Upper
43 100
72 20.8 23.4 35.2#



#29
Tetrahydrofuran
Concen: 2.840 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

Tgt Ion: 42 Resp: 346
Ion Ratio Lower Upper
42 100
72 5.8 38.2 57.4#
71 6.1 35.5 53.3#

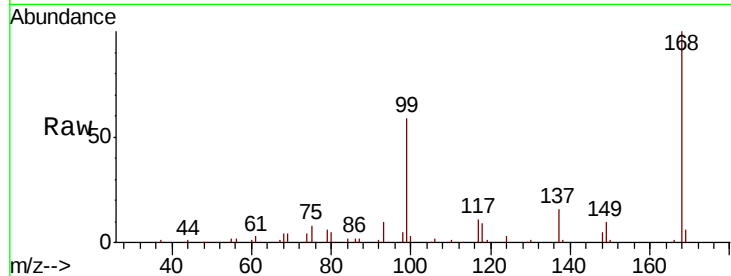




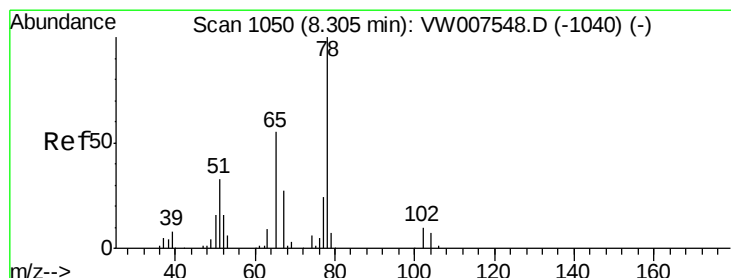
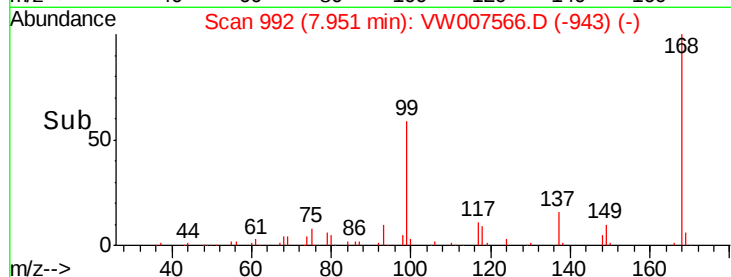
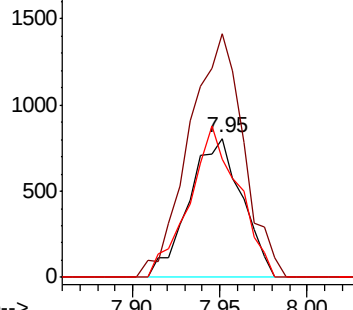
#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-1824-01

Tgt Ion: 56 Resp: 1698
Ion Ratio Lower Upper
56 100
69 175.1 28.9 43.3#
84 84.8 71.8 107.6

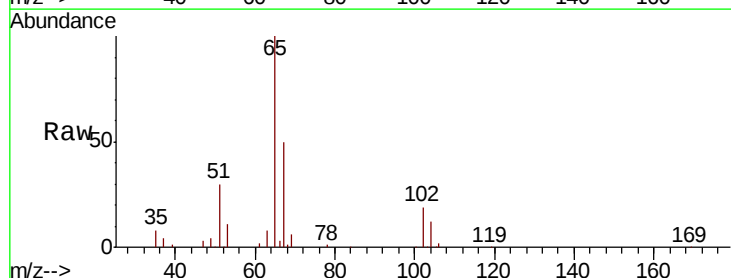


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

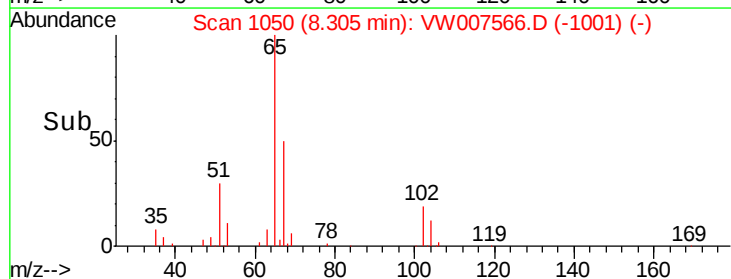
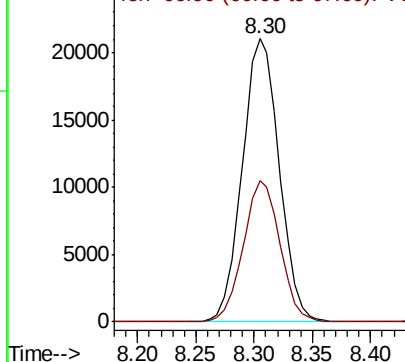


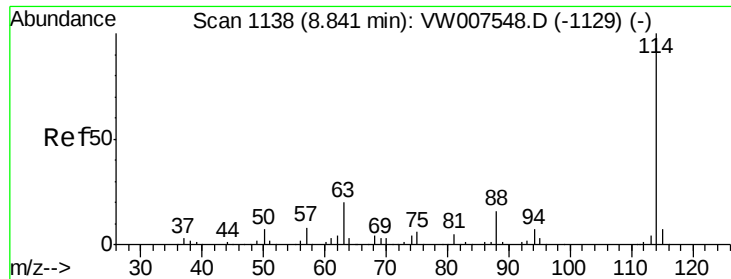
#33
1,2-Dichloroethane-d4
Concen: 55.144 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

Tgt Ion: 65 Resp: 46532
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.6



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

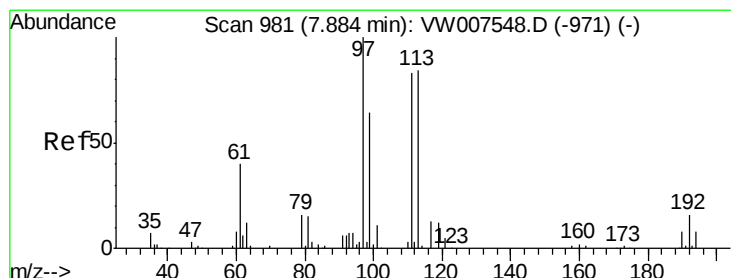
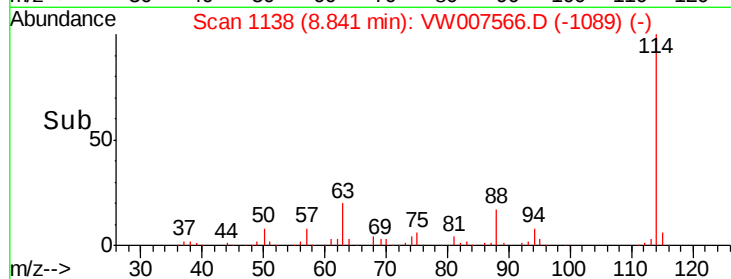
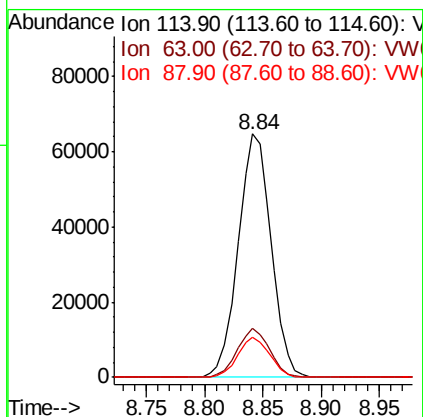
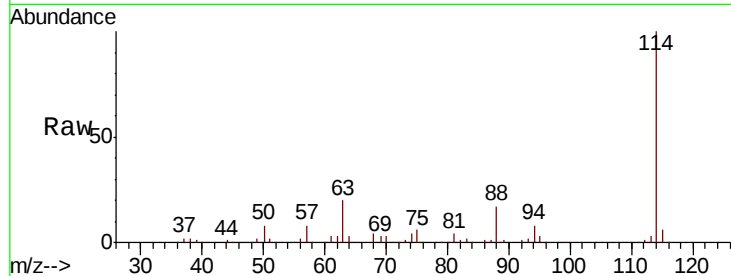




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

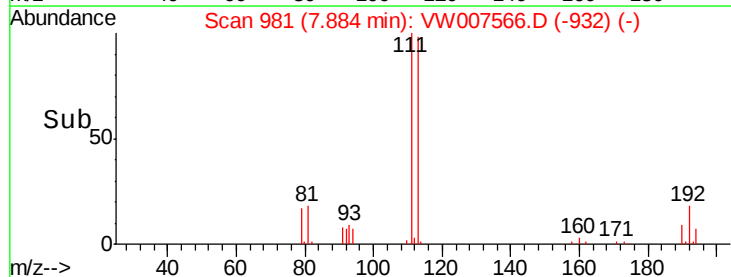
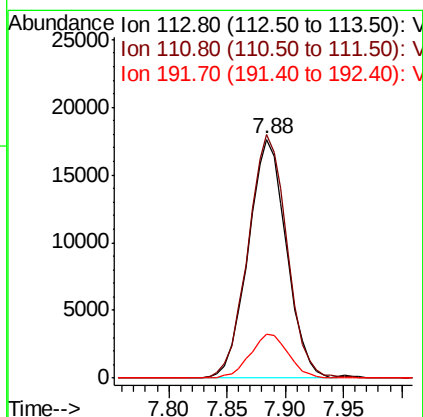
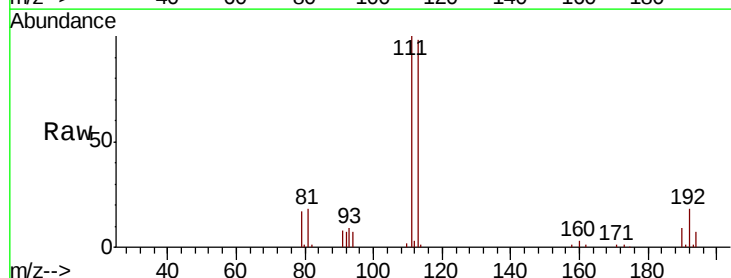
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-1824-01

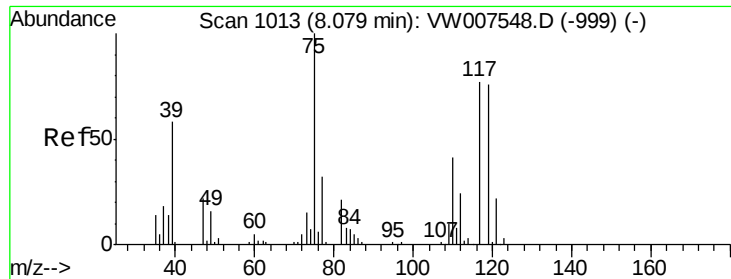
Tgt Ion:114 Resp: 127598
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 16.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.253 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007566.D
Acq: 15 Dec 2018 06:40

Tgt Ion:113 Resp: 40360
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 18.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.129 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007566.D

Acq: 15 Dec 2018 06:40

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-1824-01

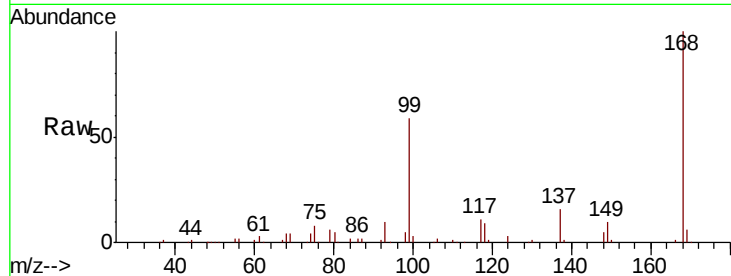
Tgt Ion: 75 Resp: 5970

Ion Ratio Lower Upper

75 100

110 9.8 18.5 55.5#

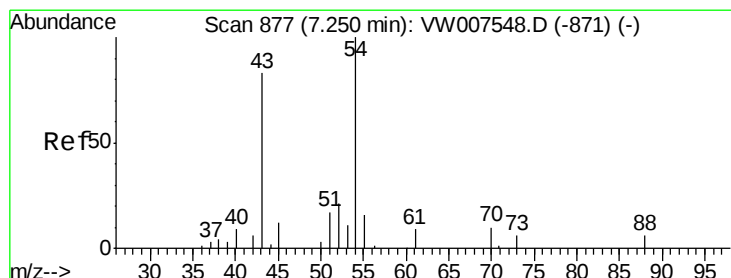
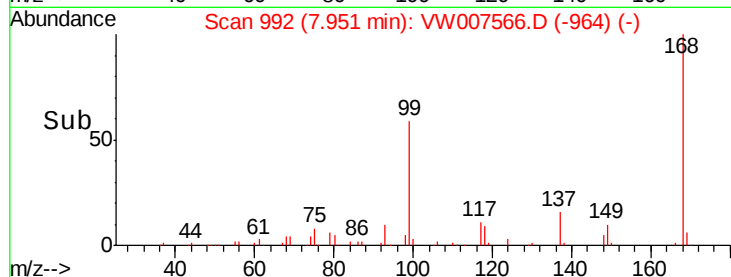
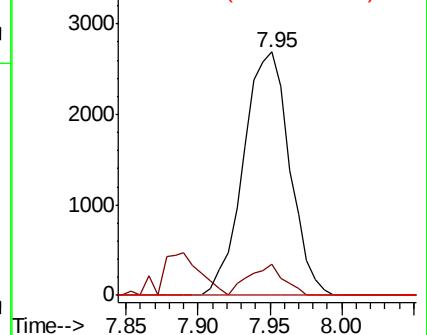
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 3.213 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW007566.D

Acq: 15 Dec 2018 06:40

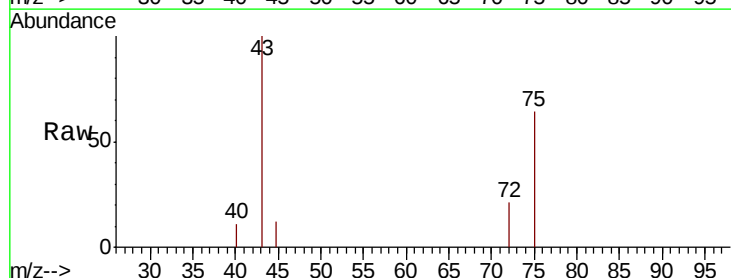
Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

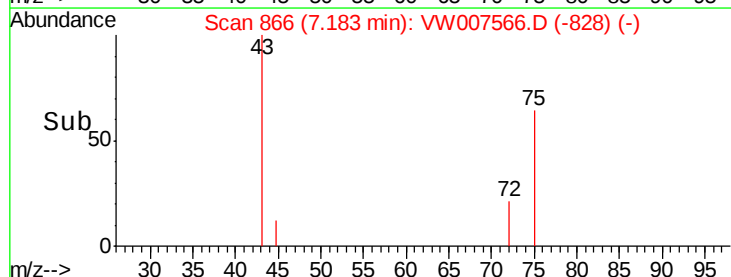
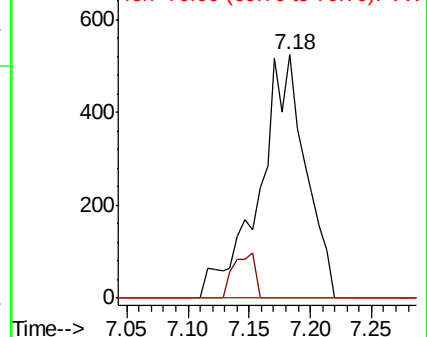
70 0.0 10.0 15.0#

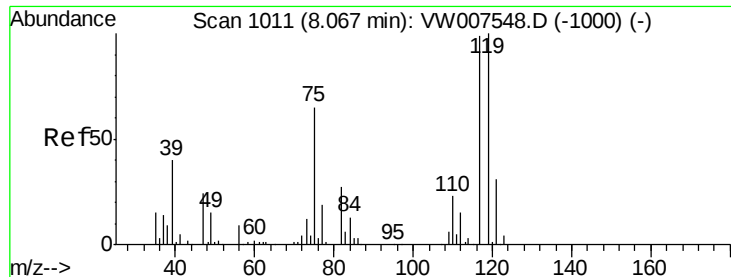


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.347 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007566.D

Acq: 15 Dec 2018 06:40

Instrument :

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ClientSampleId :

P001-SS015-1824-01

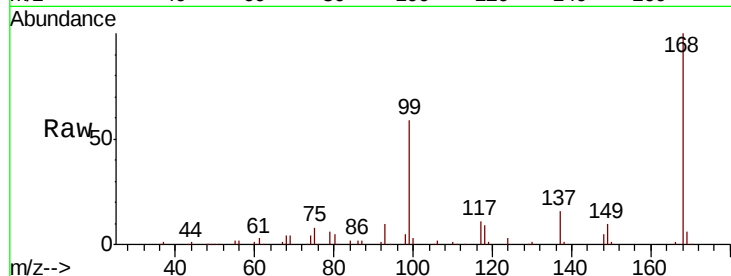
Tgt Ion:117 Resp: 8038

Ion Ratio Lower Upper

117 100

119 6.8 74.3 111.5#

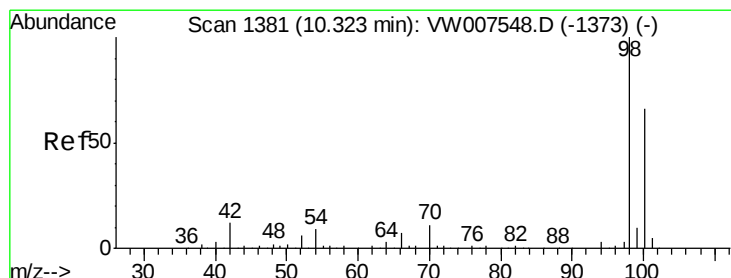
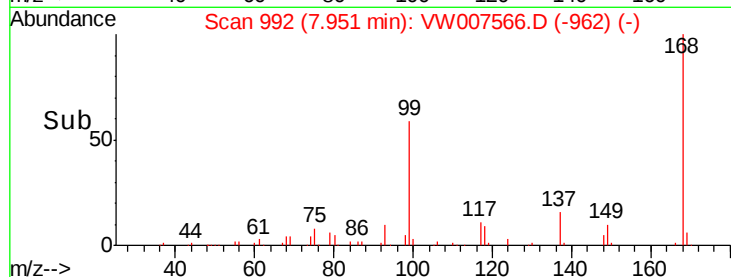
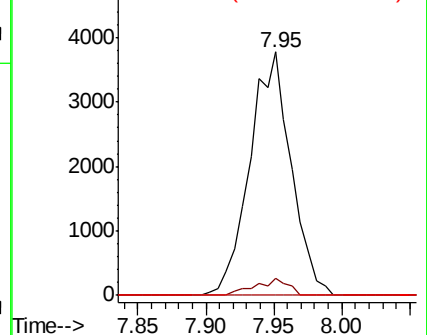
121 0.0 24.3 36.5#



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: 47.706 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007566.D

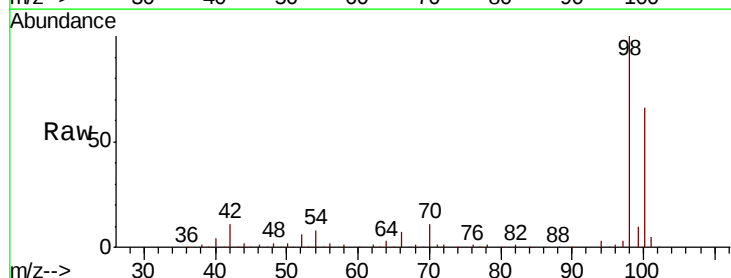
Acq: 15 Dec 2018 06:40

Tgt Ion: 98 Resp: 138159

Ion Ratio Lower Upper

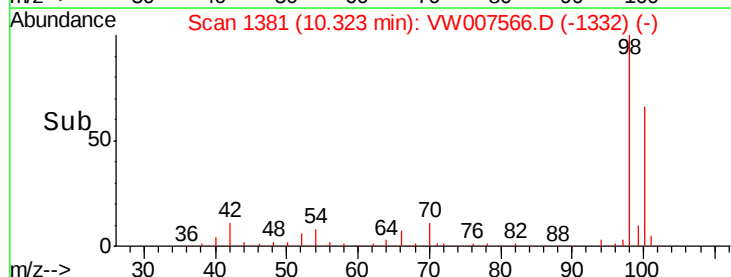
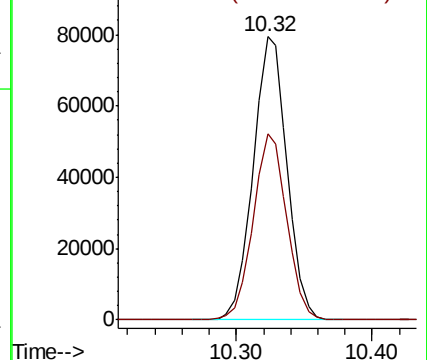
98 100

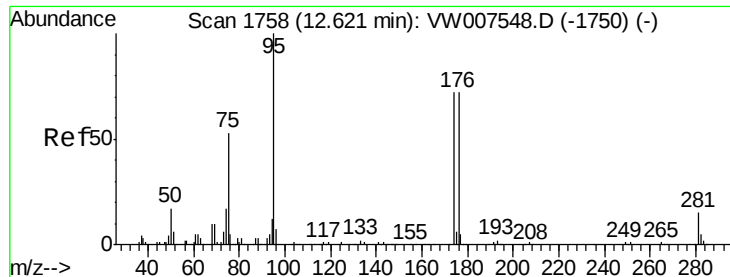
100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 38.933 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007566.D

Acq: 15 Dec 2018 06:40

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-1824-01

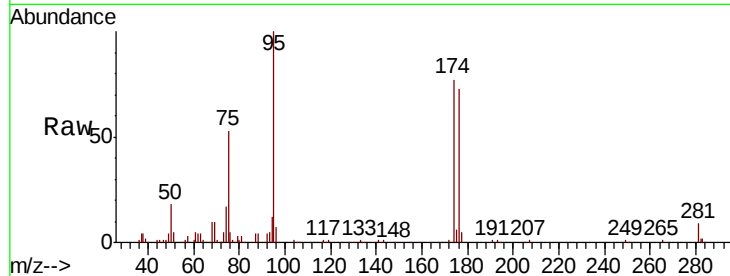
Tgt Ion: 95 Resp: 41456

Ion Ratio Lower Upper

95 100

174 76.8 0.0 147.2

176 73.1 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW007548.D (-1750) (-)

Ion 173.80 (173.50 to 174.50): VW007548.D (-1750) (-)

Ion 175.80 (175.50 to 176.50): VW007548.D (-1750) (-)

12.62

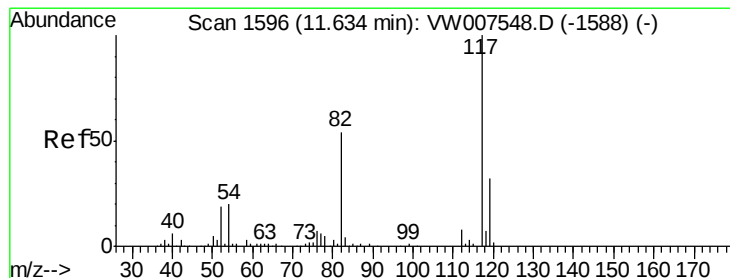
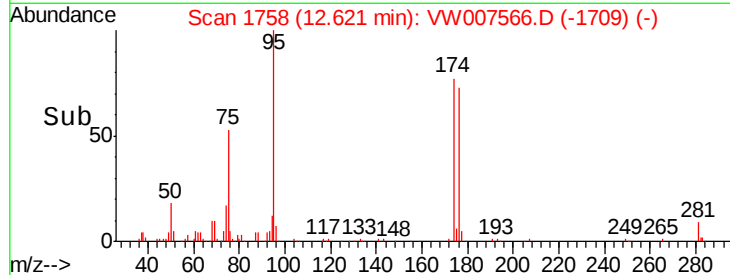
30000

20000

10000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007566.D

Acq: 15 Dec 2018 06:40

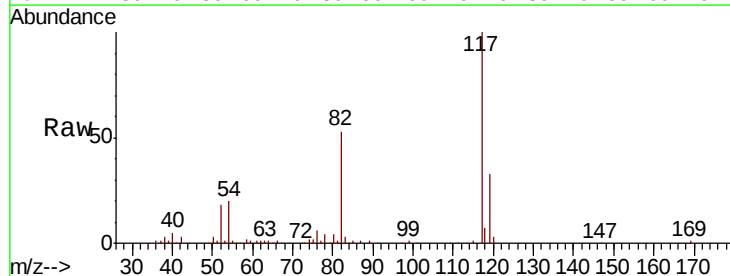
Tgt Ion: 117 Resp: 102208

Ion Ratio Lower Upper

117 100

82 53.0 42.3 63.5

119 32.5 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): VW007548.D (-1588) (-)

Ion 82.00 (81.70 to 82.70): VW007548.D (-1588) (-)

Ion 118.90 (118.60 to 119.60): VW007548.D (-1588) (-)

11.63

80000

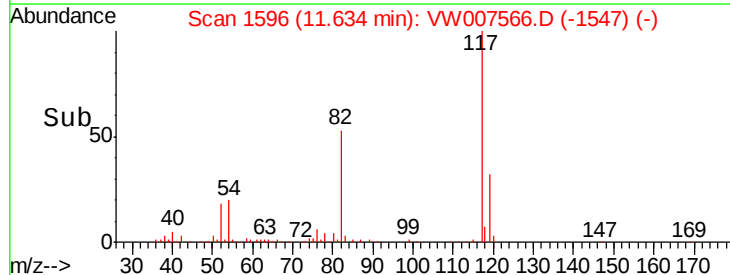
60000

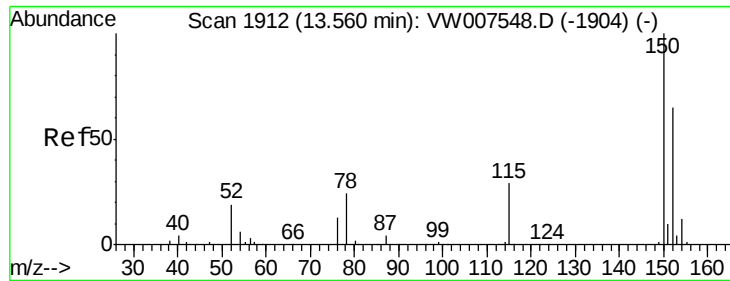
40000

20000

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: VW007566.D

Acq: 15 Dec 2018 06:40

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-1824-01

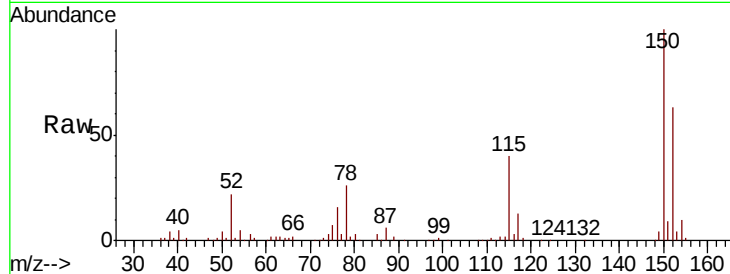
Tgt Ion:152 Resp: 36716

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

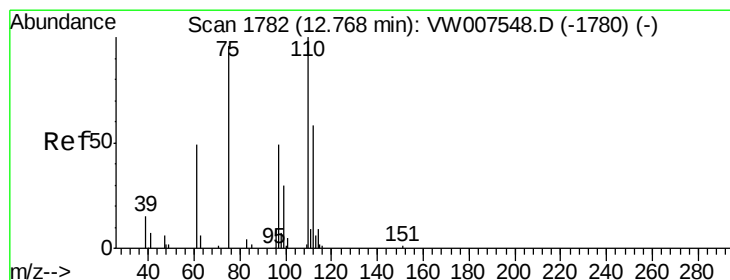
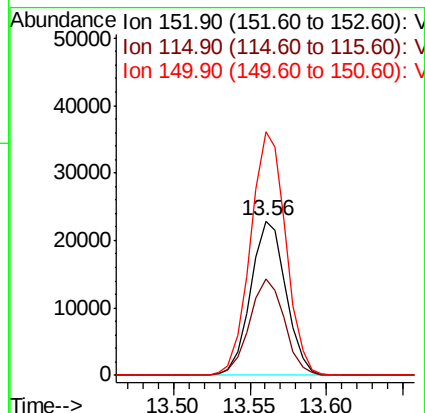
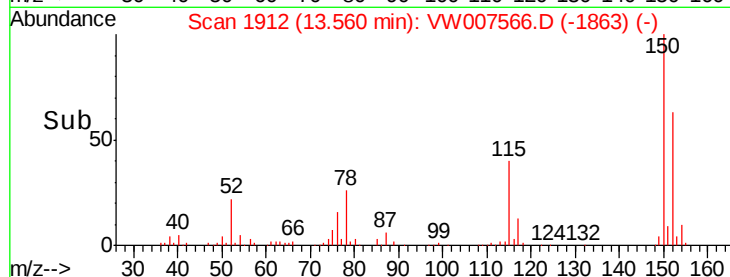
150 157.7 0.0 358.4



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: 71.535 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007566.D

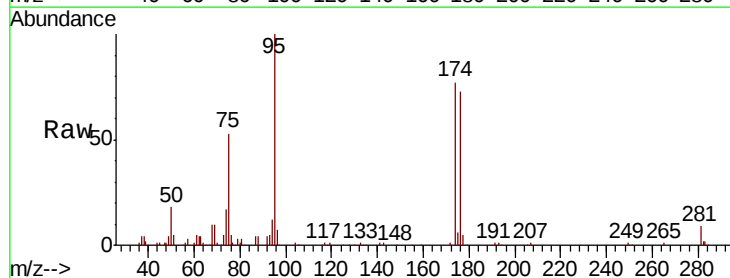
Acq: 15 Dec 2018 06:40

Tgt Ion: 75 Resp: 21656

Ion Ratio Lower Upper

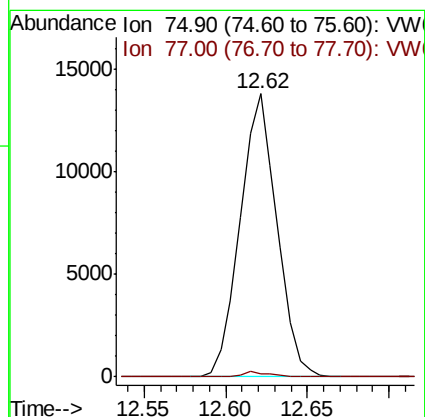
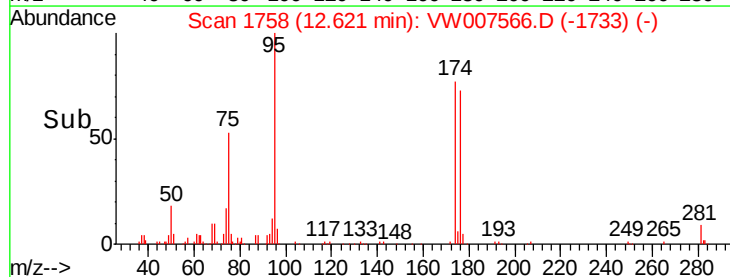
75 100

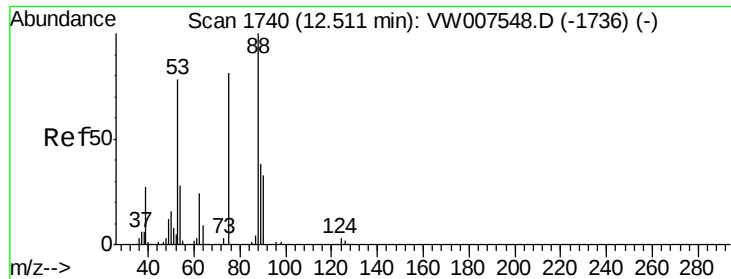
77 1.3 166.9 500.8#



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: 158.021 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007566.D

Acq: 15 Dec 2018 06:40

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-1824-01

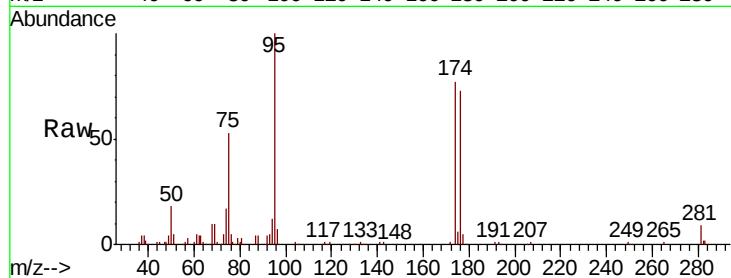
Tgt Ion: 75 Resp: 21656

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.1 40.3 60.5#



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

