

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007570.D
 Acq On : 15 Dec 2018 08:24
 Operator : SY/AP
 Sample : J6391-09
 Misc : 4.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS016-0612-01

Quant Time: Dec 15 19:32:45 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	37885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	62452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	42320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	23569	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
35) Dibromofluoromethane	7.88	113	19237	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.32	98	57419	40.51	ug/l	0.00
Spiked Amount			Recovery	=	81.02%	
62) 4-Bromofluorobenzene	12.62	95	13762	26.41	ug/l	0.00
Spiked Amount			Recovery	=	52.82%	

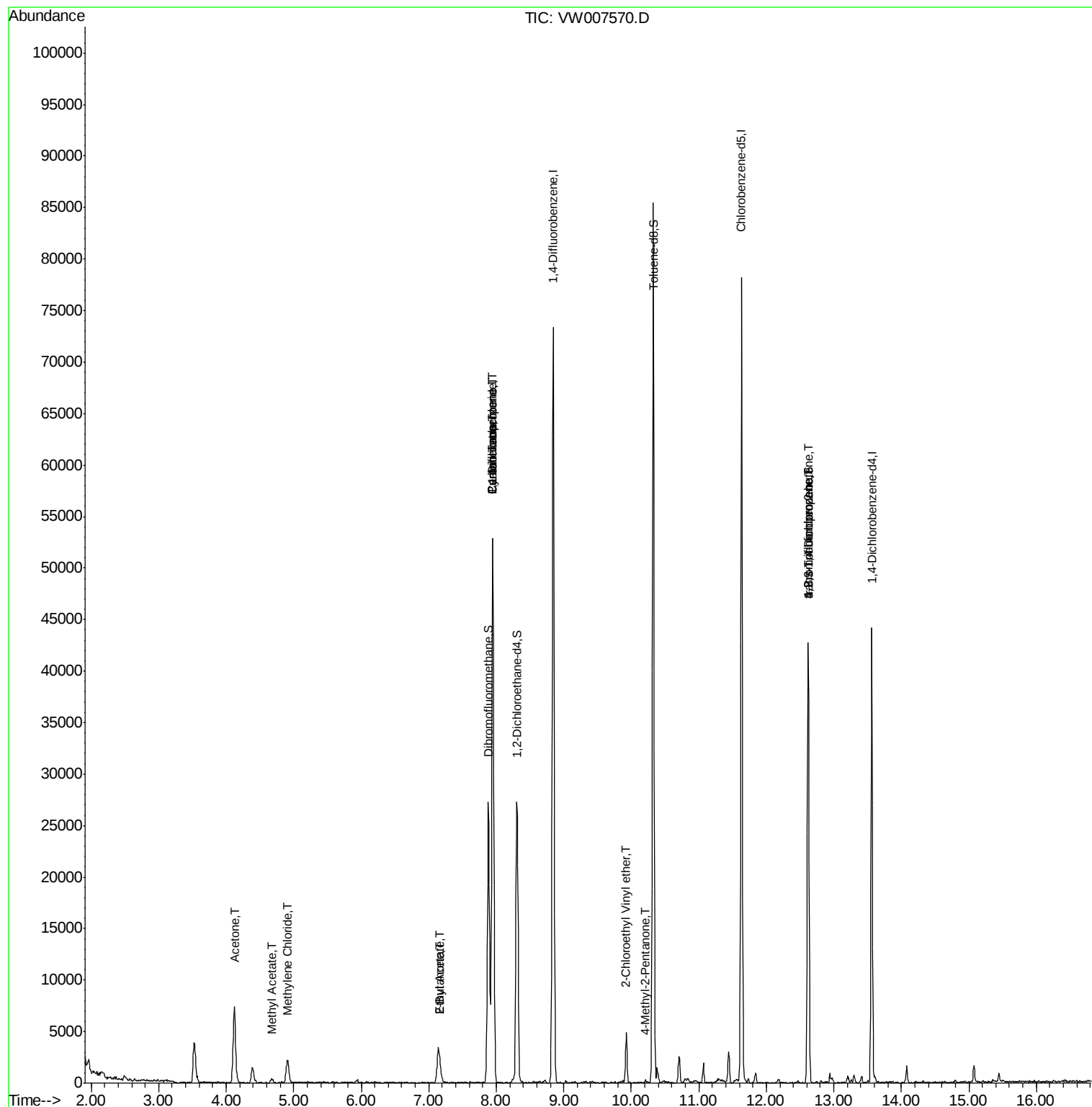
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	12483	170.034	ug/l	96
18) Methyl Acetate	4.68	43	904	4.537	ug/l #	59
20) Methylene Chloride	4.90	84	1985	1.114	ug/l #	77
25) 2-Butanone	7.17	43	1547	16.141	ug/l	93
31) Cyclohexane	7.95	56	918	1.406	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	2854	5.010	ug/l #	45
37) Ethyl Acetate	7.17	43	1547	7.301	ug/l #	66
38) Carbon Tetrachloride	7.95	117	4307	6.948	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	252	1.274	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.93	63	2281	14.553	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	7151	76.921	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	7151	169.919	ug/l #	7

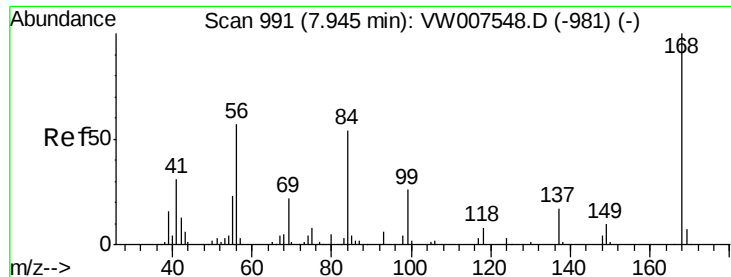
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
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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: VW007570.D

Acq: 15 Dec 2018 08:24

Instrument :

MSVOA_W

ClientSampleId :

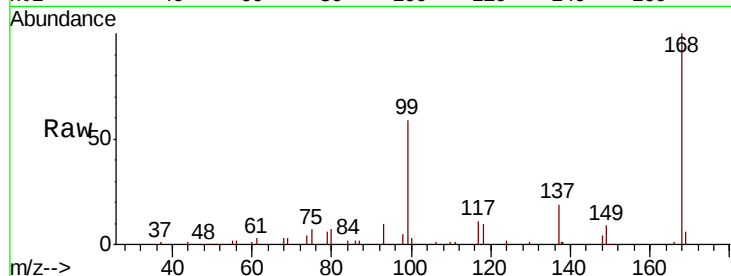
P001-SS016-0612-01

Tgt Ion:168 Resp: 37885

Ion Ratio Lower Upper

168 100

99 59.2 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

20000

15000

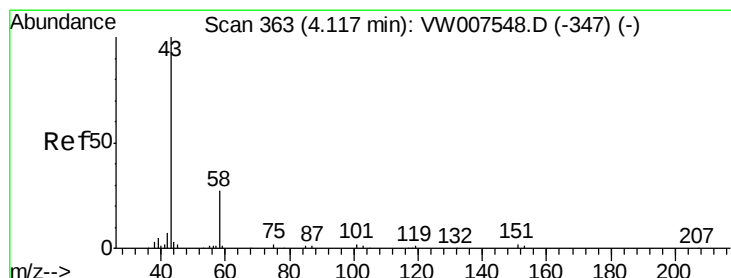
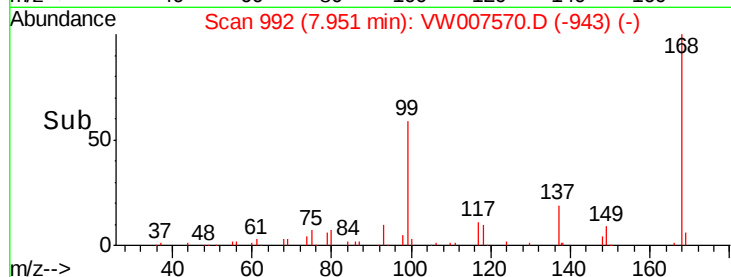
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 170.034 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007570.D

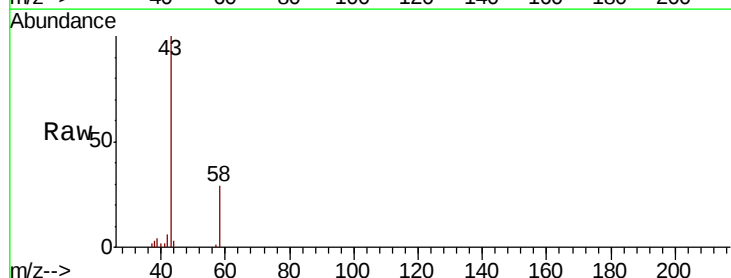
Acq: 15 Dec 2018 08:24

Tgt Ion: 43 Resp: 12483

Ion Ratio Lower Upper

43 100

58 28.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

5000

4000

3000

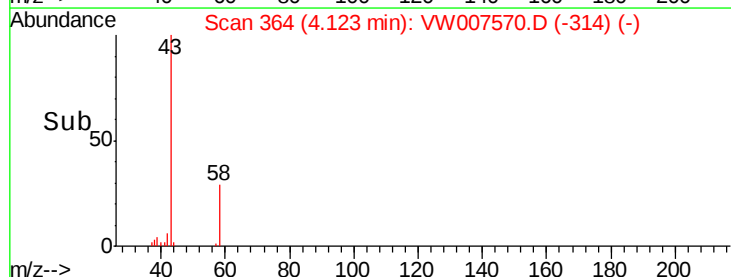
2000

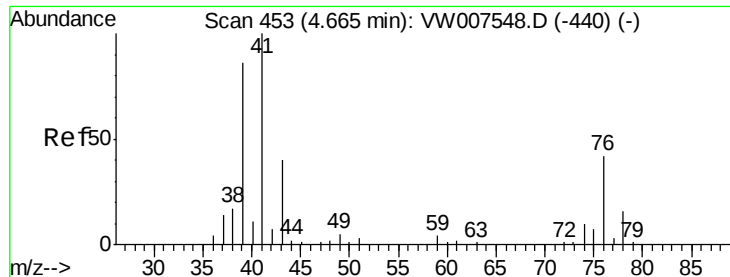
1000

0

4.00 4.10 4.20

Time-->

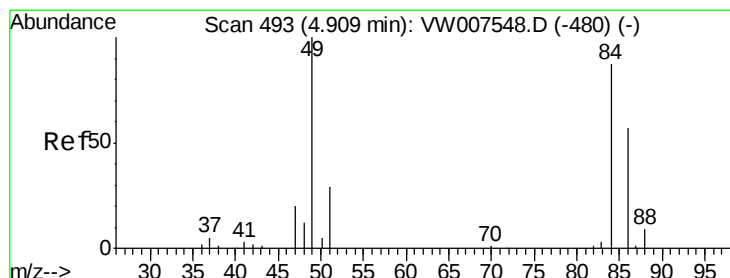
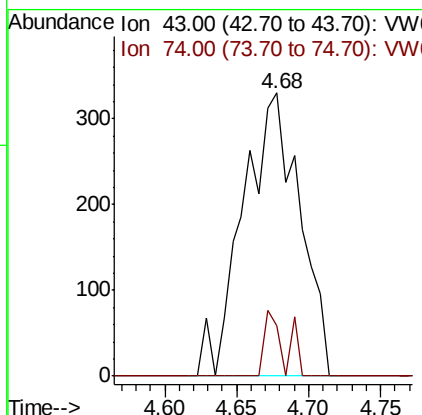
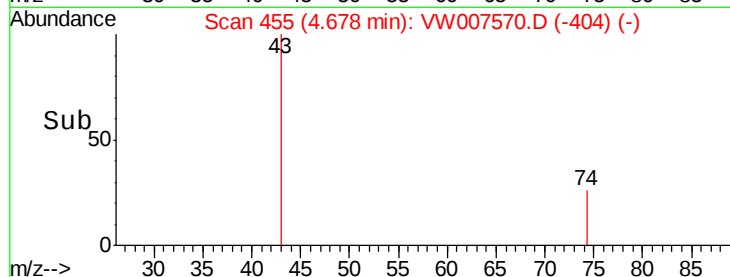
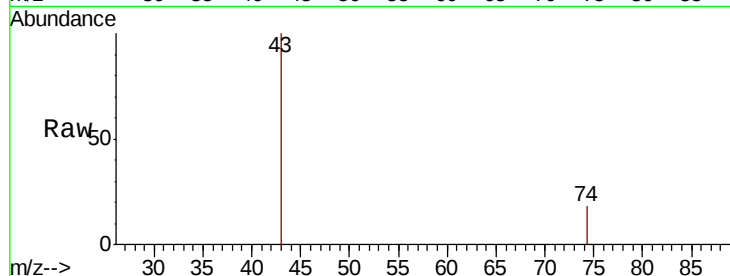




#18
Methyl Acetate
Concen: 4.537 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW007570.D
Acq: 15 Dec 2018 08:24

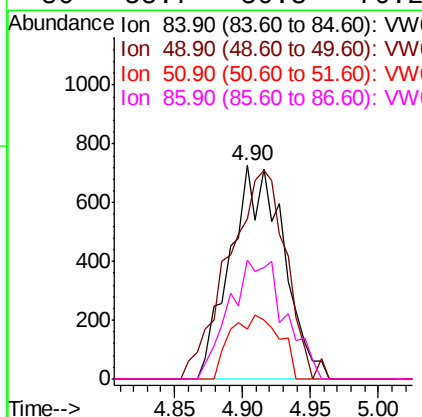
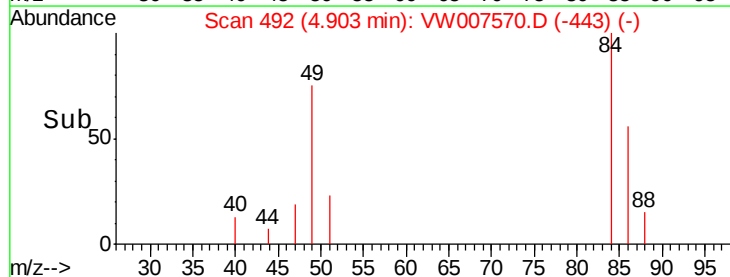
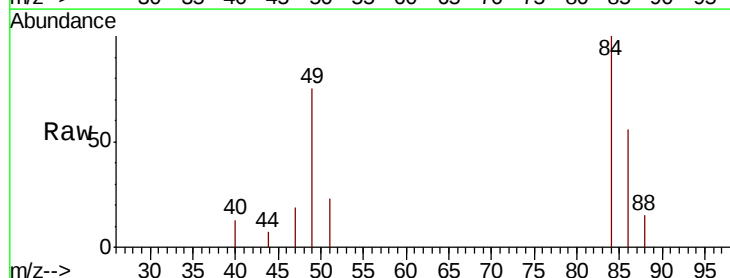
Instrument :
MSVOA_W
ClientSampleId :
P001-SS016-0612-01

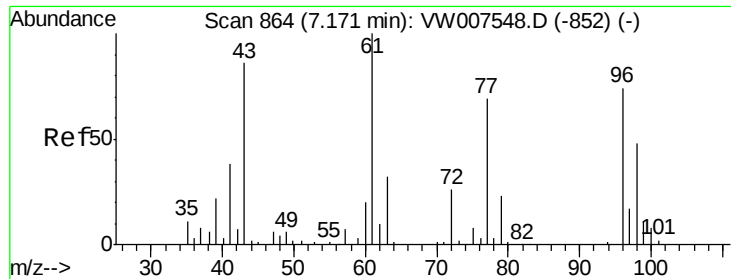
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
74 5.4 21.1 31.7#



#20
Methylene Chloride
Concen: 1.114 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007570.D
Acq: 15 Dec 2018 08:24

Tgt Ion: 84 Resp: 1985
Ion Ratio Lower Upper
84 100
49 75.0 87.1 130.7#
51 23.2 28.2 42.2#
86 55.7 50.8 76.2





#25

2-Butanone

Concen: 16.141 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

Instrument :

MSVOA_W

ClientSampleId :

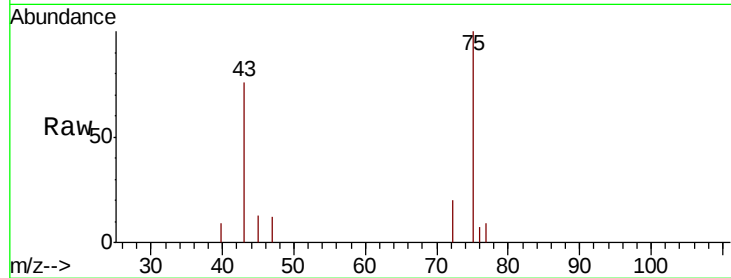
P001-SS016-0612-01

Tgt Ion: 43 Resp: 1547

Ion Ratio Lower Upper

43 100

72 25.7 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

600

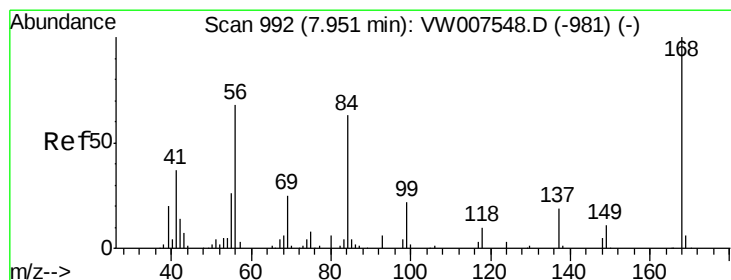
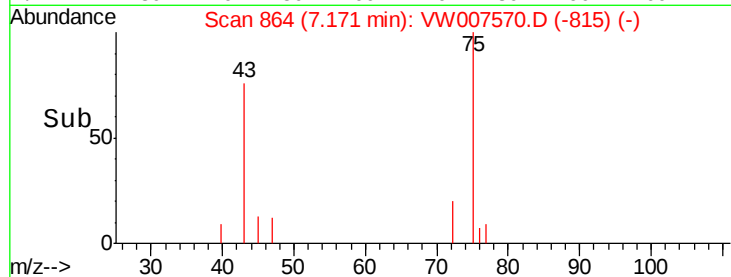
400

200

0

7.10 7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.406 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

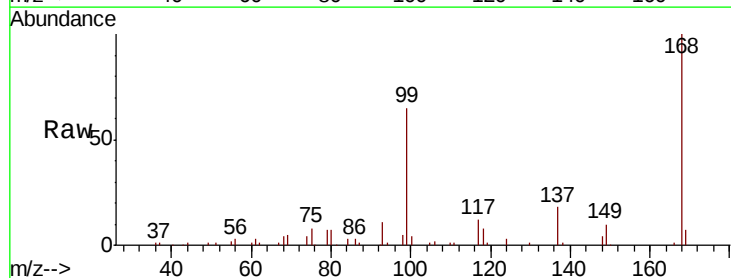
Tgt Ion: 56 Resp: 918

Ion Ratio Lower Upper

56 100

69 172.8 28.9 43.3#

84 118.3 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

1000

800

600

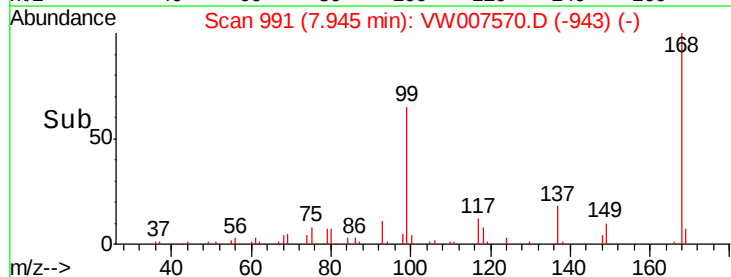
400

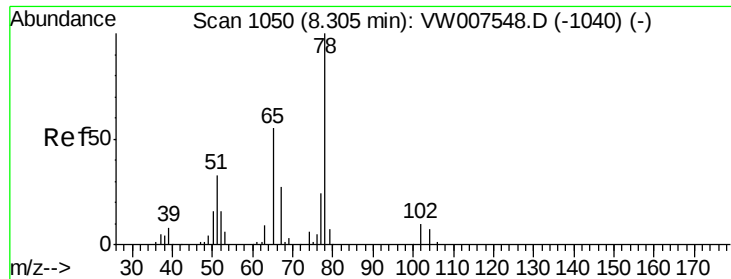
200

0

7.90 7.95 8.00

Time-->

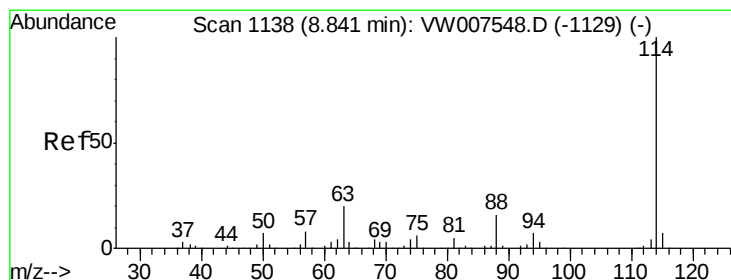
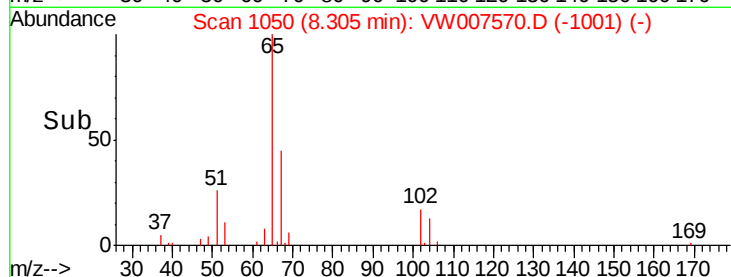
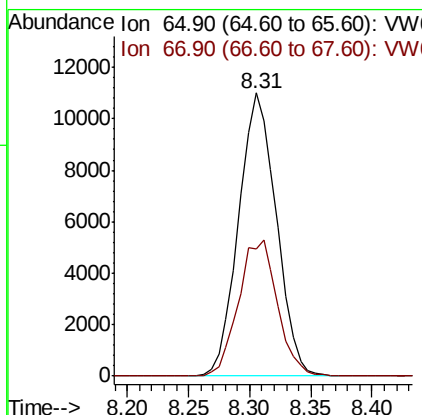
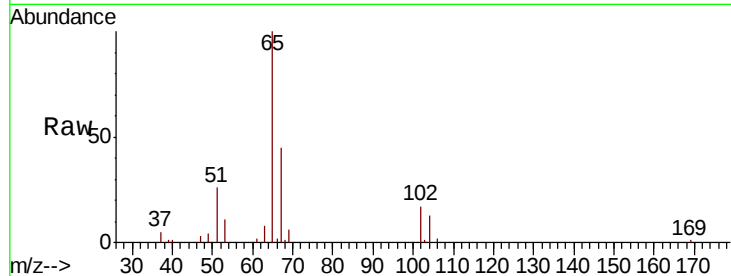




#33
 1,2-Dichloroethane-d4
 Concen: 56.076 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007570.D
 Acq: 15 Dec 2018 08:24

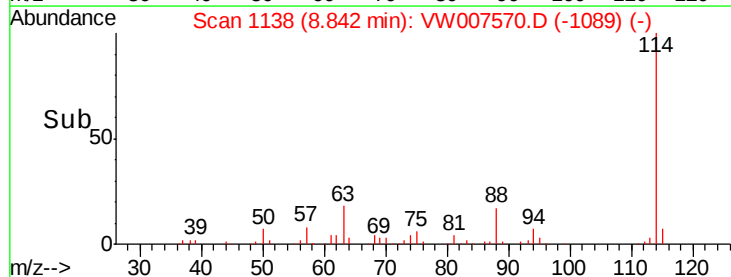
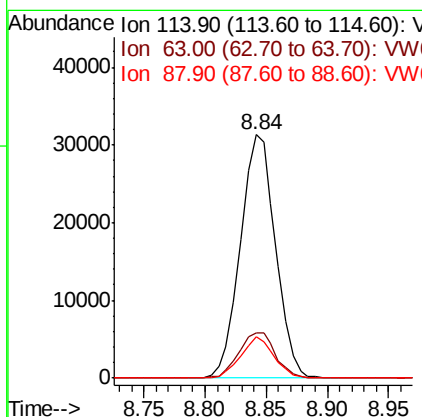
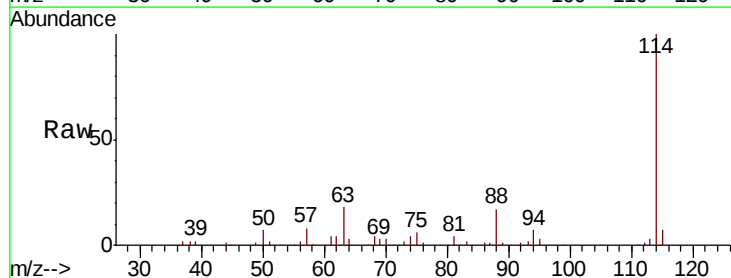
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS016-0612-01

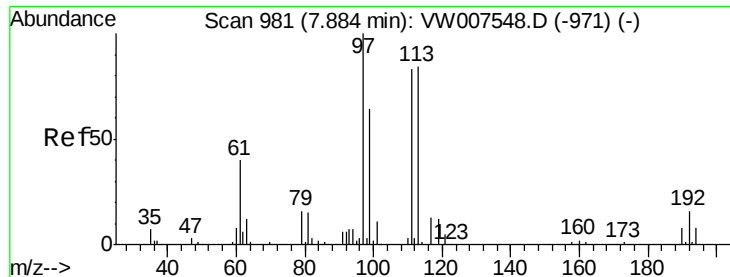
Tgt Ion: 65 Resp: 23569
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007570.D
 Acq: 15 Dec 2018 08:24

Tgt Ion: 114 Resp: 62452
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.885 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

Instrument :

MSVOA_W

ClientSampleId :

P001-SS016-0612-01

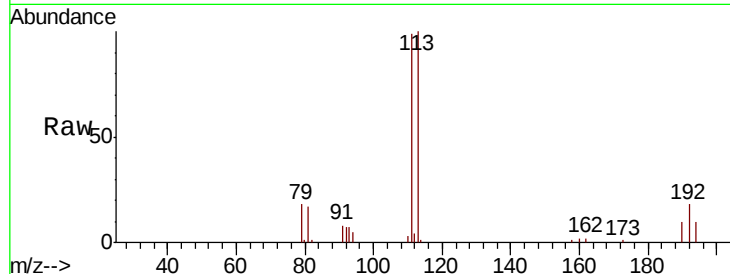
Tgt Ion:113 Resp: 19237

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

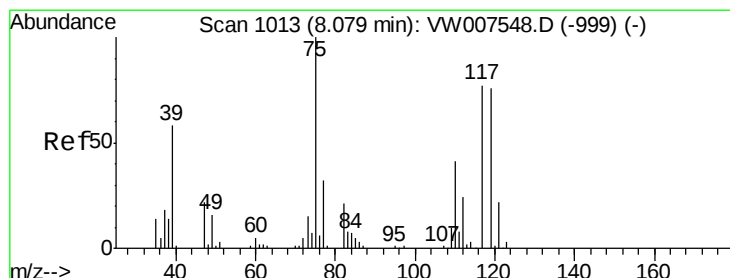
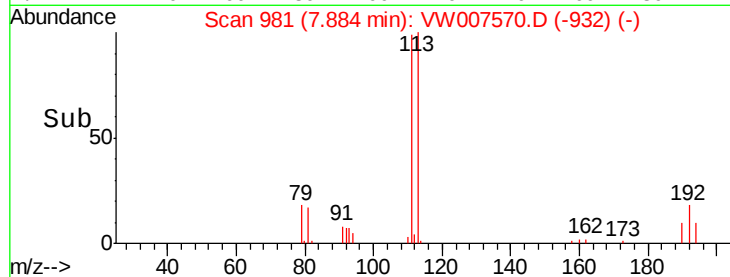
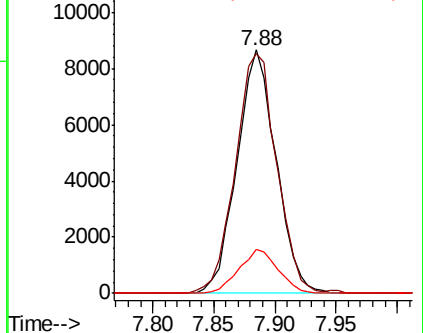
192 18.0 14.6 21.8



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: 5.010 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

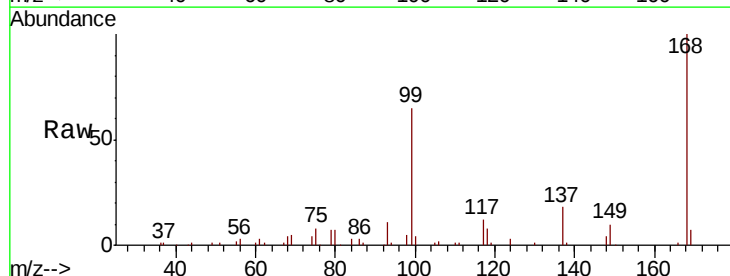
Tgt Ion: 75 Resp: 2854

Ion Ratio Lower Upper

75 100

110 6.0 18.5 55.5#

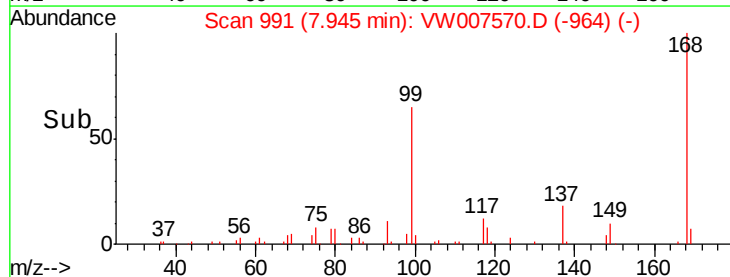
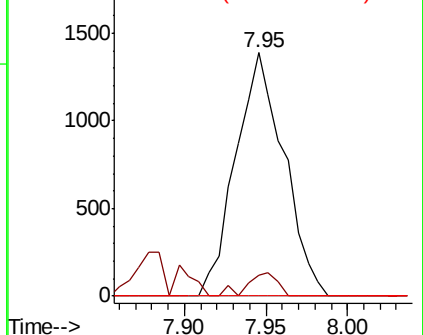
77 0.0 25.6 38.4#

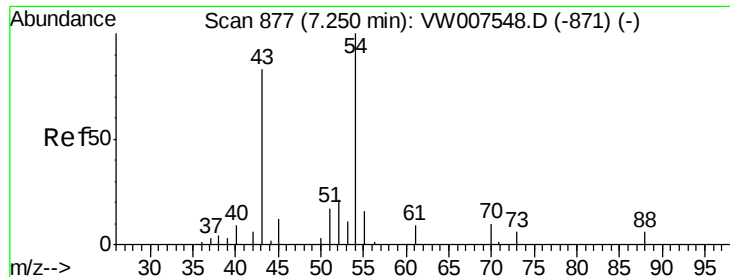


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

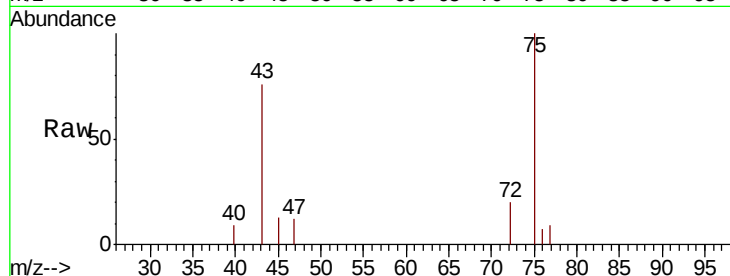




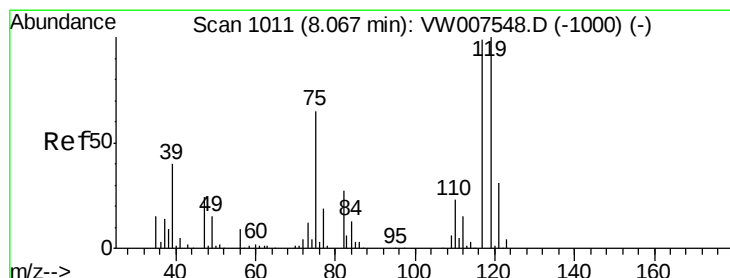
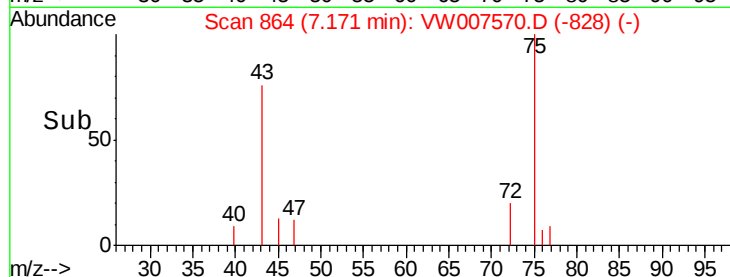
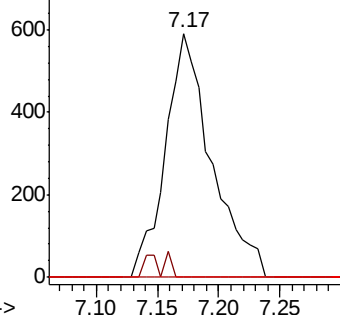
#37
Ethyl Acetate
Concen: 7.301 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW007570.D
Acq: 15 Dec 2018 08:24

Instrument :
MSVOA_W
ClientSampleId :
P001-SS016-0612-01

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 10.0 15.0#

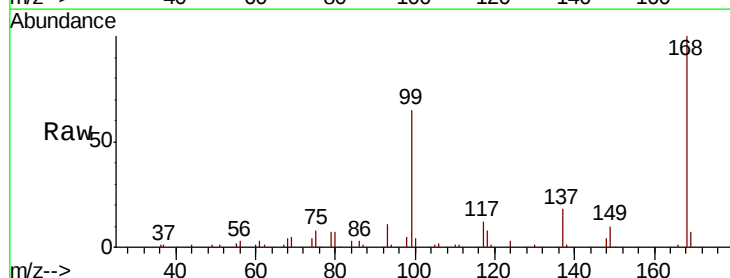


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

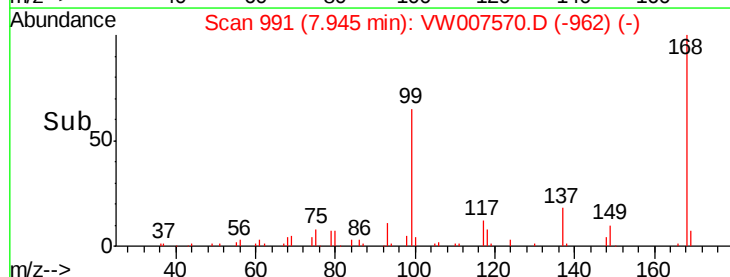
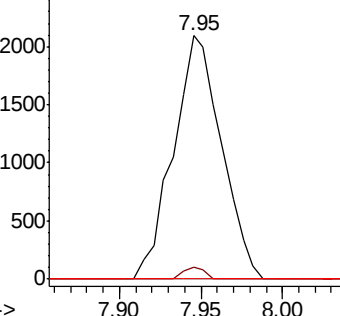


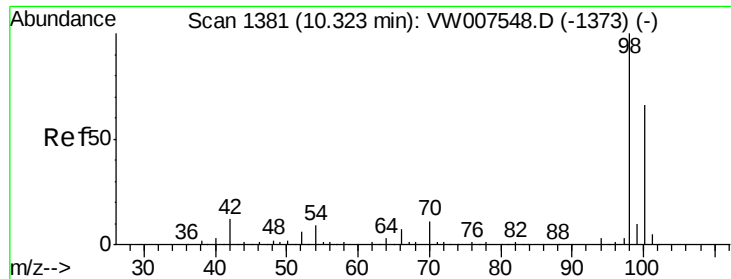
#38
Carbon Tetrachloride
Concen: 6.948 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007570.D
Acq: 15 Dec 2018 08:24

Tgt Ion: 117 Resp: 4307
Ion Ratio Lower Upper
117 100
119 4.9 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: 40.508 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

Instrument :

MSVOA_W

ClientSampleId :

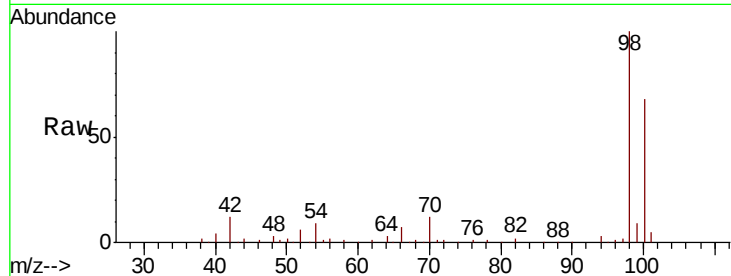
P001-SS016-0612-01

Tgt Ion: 98 Resp: 57419

Ion Ratio Lower Upper

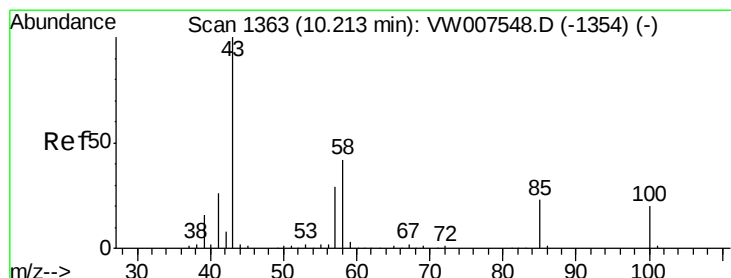
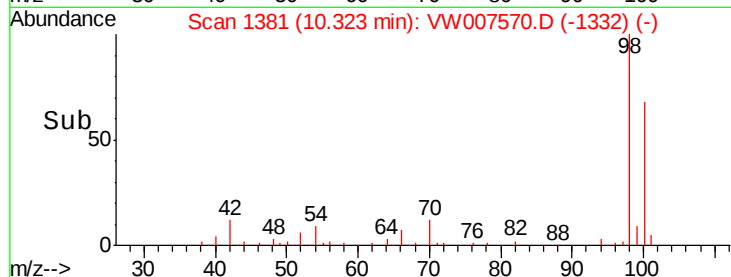
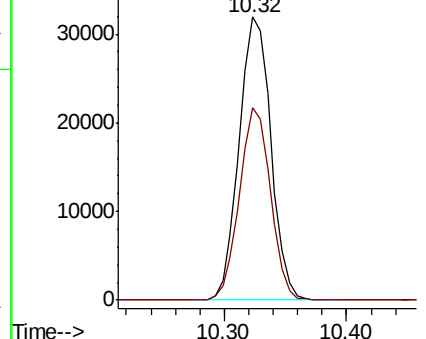
98 100

100 66.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.274 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007570.D

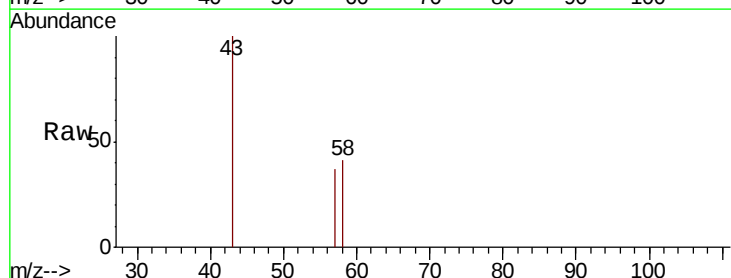
Acq: 15 Dec 2018 08:24

Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

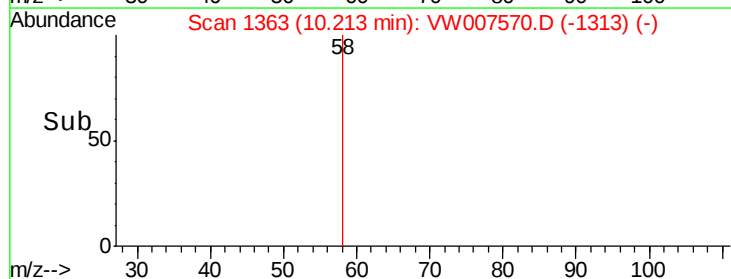
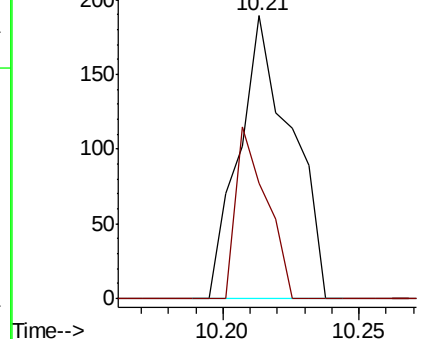
43 100

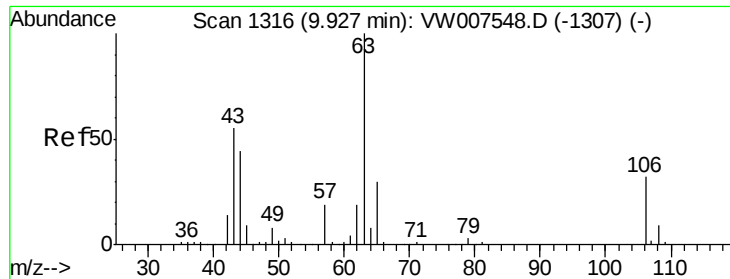
58 35.7 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

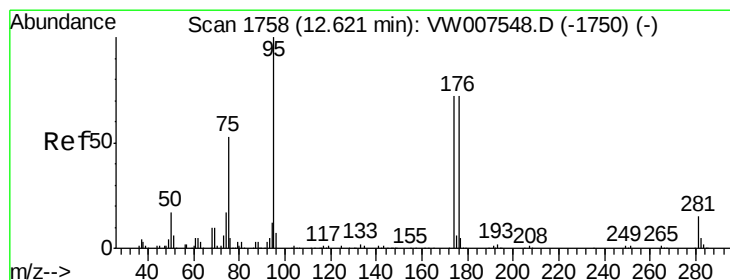
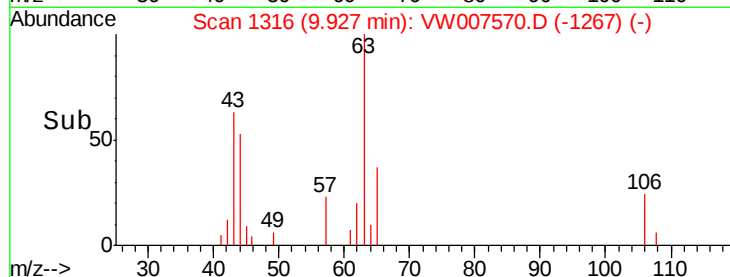
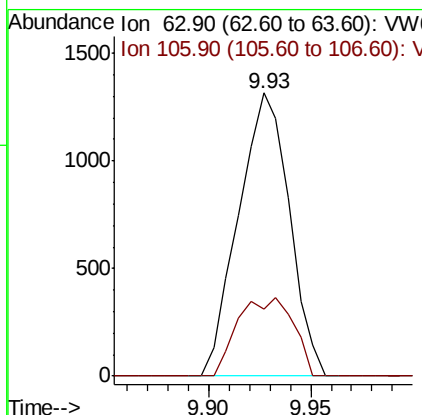
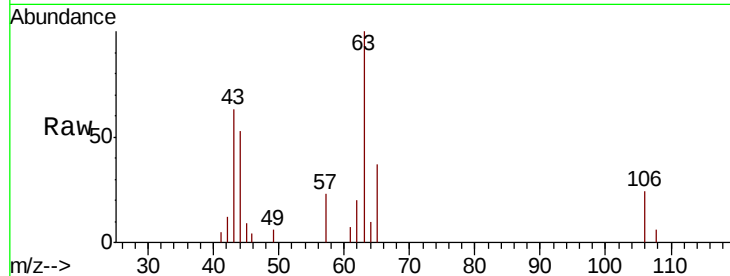




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.553 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007570.D
 Acq: 15 Dec 2018 08:24

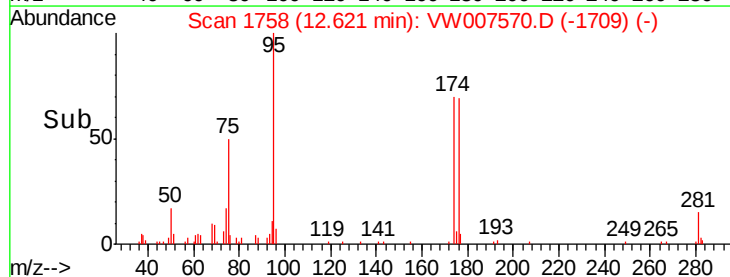
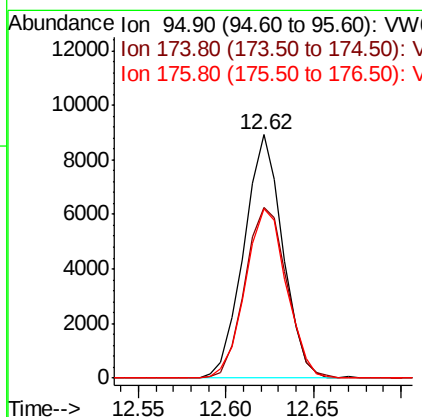
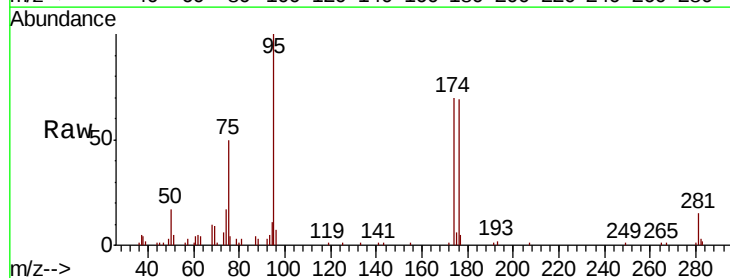
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS016-0612-01

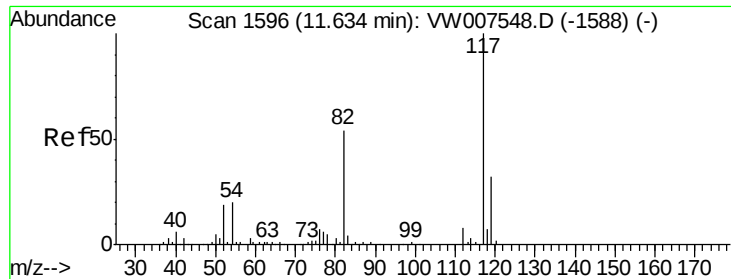
Tgt Ion: 63 Resp: 2281
 Ion Ratio Lower Upper
 63 100
 106 30.2 25.0 37.6



#62
 4-Bromofluorobenzene
 Concen: 26.406 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007570.D
 Acq: 15 Dec 2018 08:24

Tgt Ion: 95 Resp: 13762
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 147.2
 176 73.9 0.0 138.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

Instrument :

MSVOA_W

ClientSampleId :

P001-SS016-0612-01

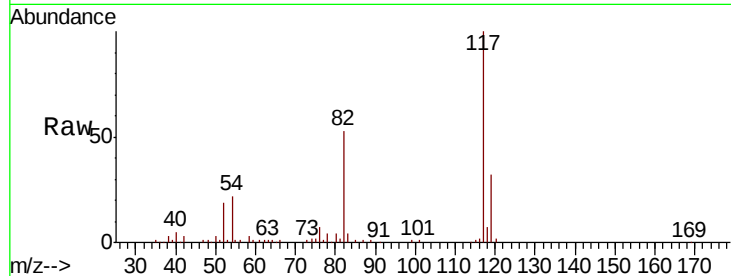
Tgt Ion:117 Resp: 42320

Ion Ratio Lower Upper

117 100

82 53.3 42.3 63.5

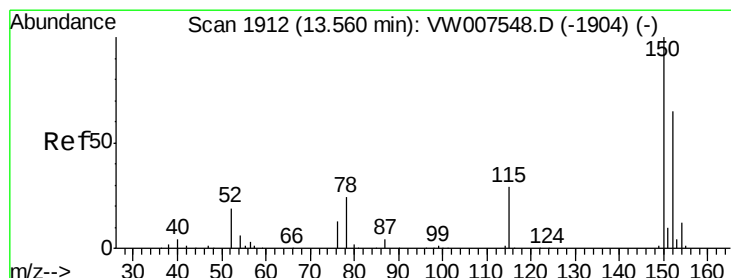
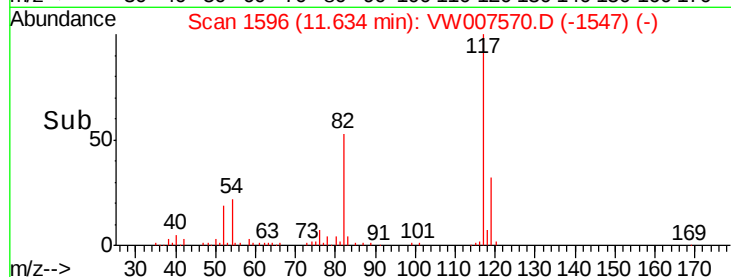
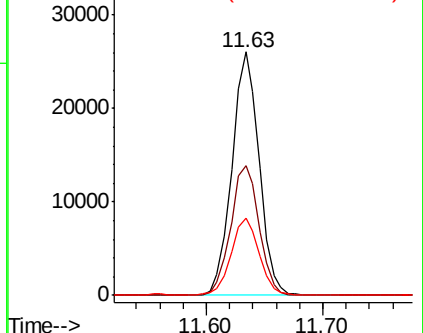
119 31.9 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

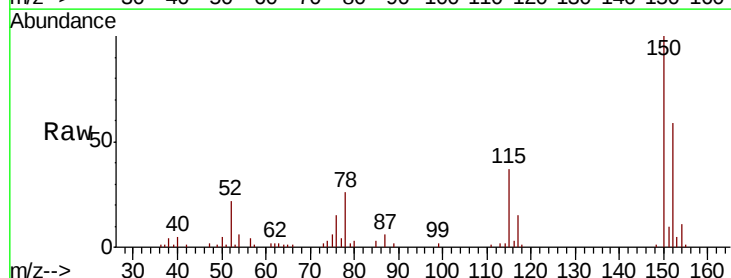
Tgt Ion:152 Resp: 11275

Ion Ratio Lower Upper

152 100

115 60.4 31.4 94.2

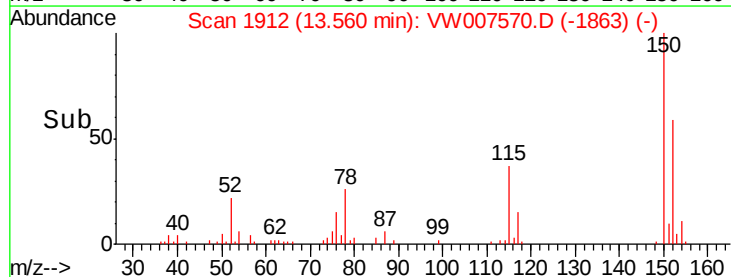
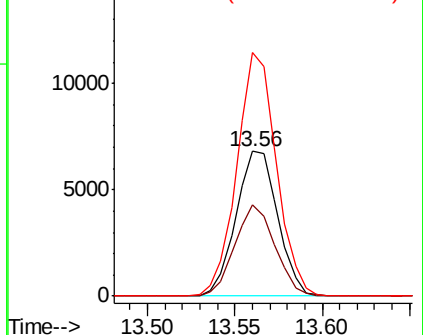
150 159.4 0.0 358.4

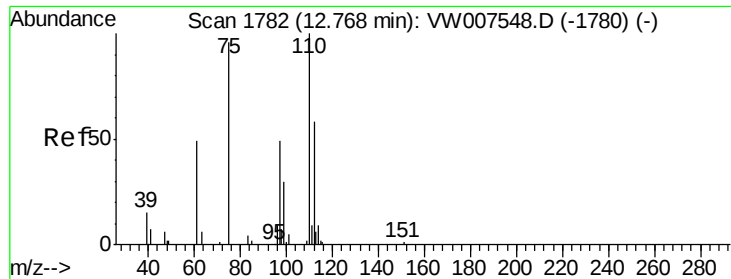


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 76.921 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

Instrument :

MSVOA_W

ClientSampleId :

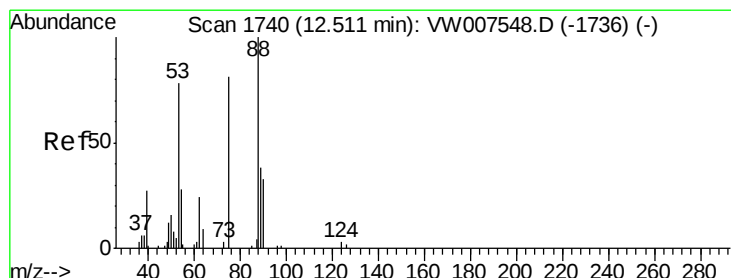
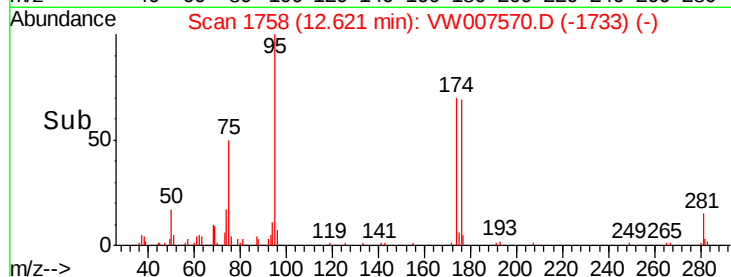
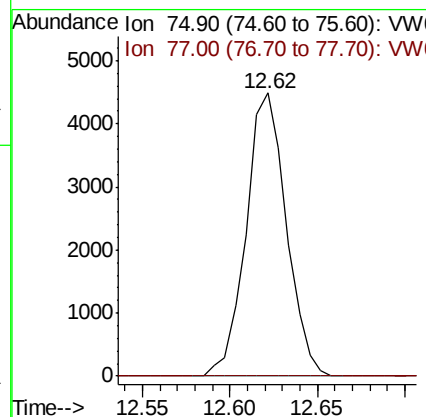
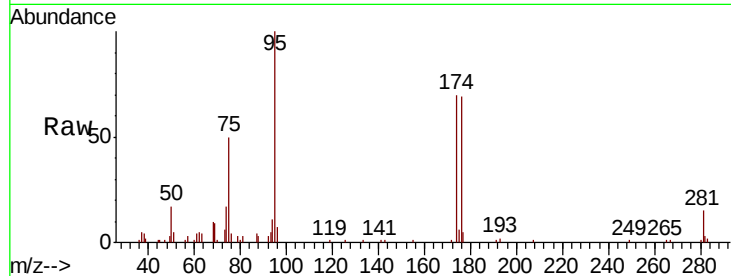
P001-SS016-0612-01

Tgt Ion: 75 Resp: 7151

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 169.919 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007570.D

Acq: 15 Dec 2018 08:24

Tgt Ion: 75 Resp: 7151

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

