

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007848.D
 Acq On : 22 Dec 2018 17:36
 Operator : SY/AP
 Sample : J6388-05
 Misc : 5.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS008-1824-01

Quant Time: Dec 23 23:55:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	139951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	94563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	24398	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	47033	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
35) Dibromofluoromethane	7.88	113	41614	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.32	98	135458	42.09	ug/l	0.00
Spiked Amount			Recovery	=	84.18%	
62) 4-Bromofluorobenzene	12.62	95	35473	28.53	ug/l	0.00
Spiked Amount			Recovery	=	57.06%	

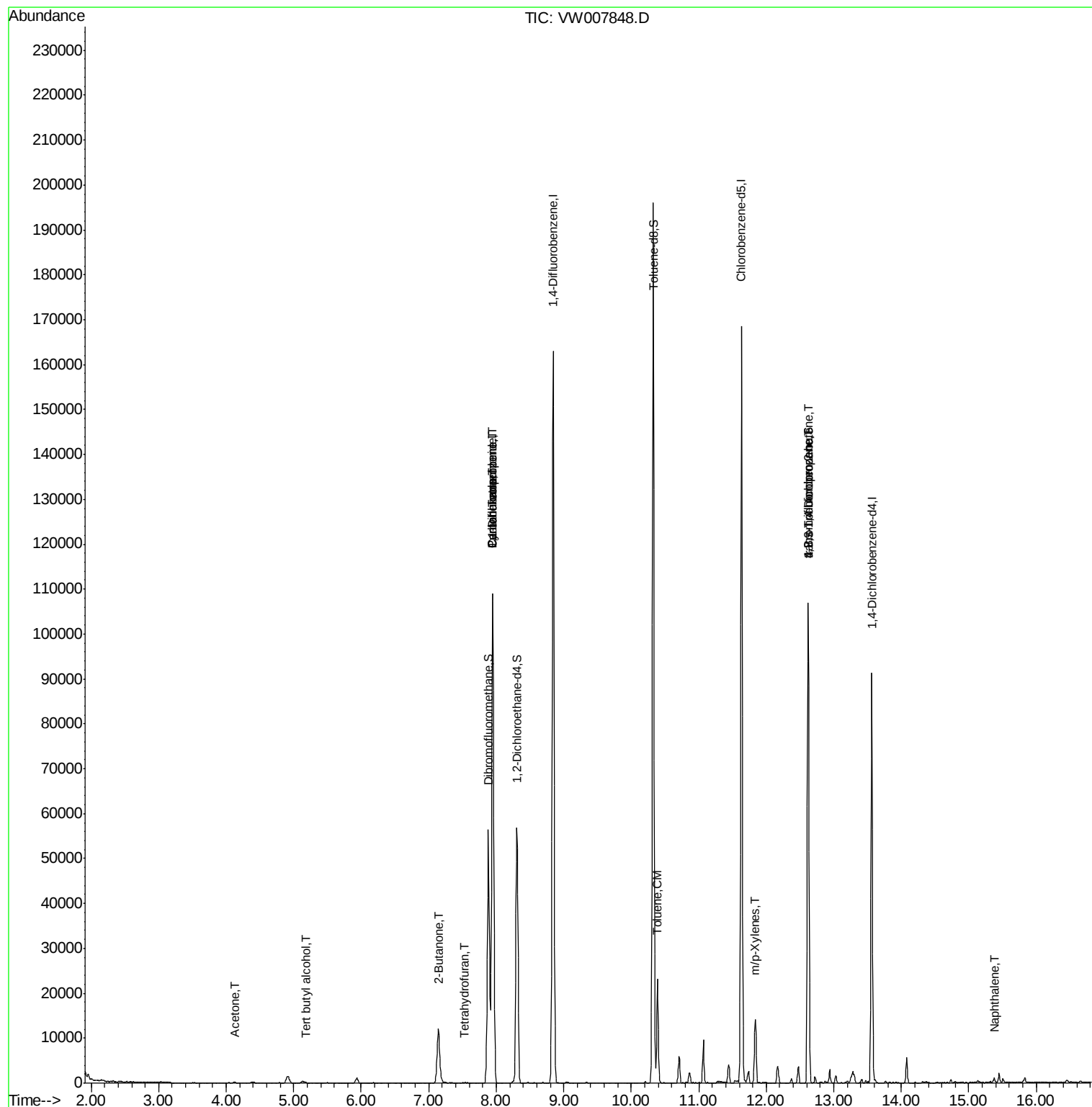
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	142	2.336	ug/l #	73
16) Acetone	4.12	43	522	3.094	ug/l #	88
20) Methylene Chloride	4.90	84	724	Below Cal		92
25) 2-Butanone	7.14	43	533	2.697	ug/l #	44
29) Tetrahydrofuran	7.53	42	145	1.230	ug/l #	27
31) Cyclohexane	7.95	56	1569	1.170	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	6343	4.696	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8434	5.302	ug/l #	15
52) Toluene	10.39	92	9999	4.135	ug/l	98
68) m/p-Xylenes	11.84	106	4638	3.404	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	17636	93.523	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17636	196.312	ug/l #	9
95) Naphthalene	15.38	128	1258	1.305	ug/l #	76

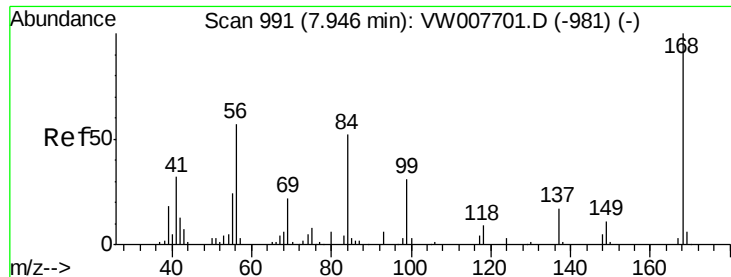
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

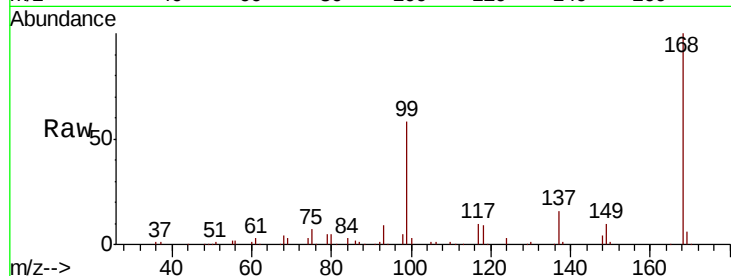
P001-SS008-1824-01

Tgt Ion:168 Resp: 82208

Ion Ratio Lower Upper

168 100

99 57.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

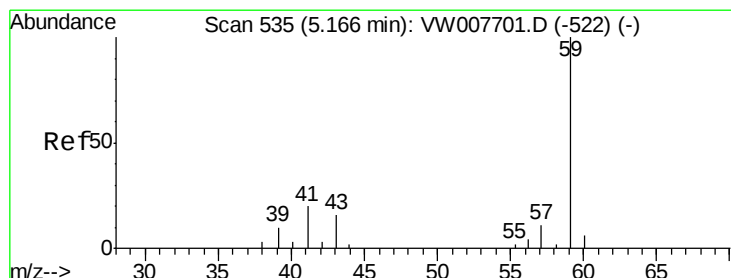
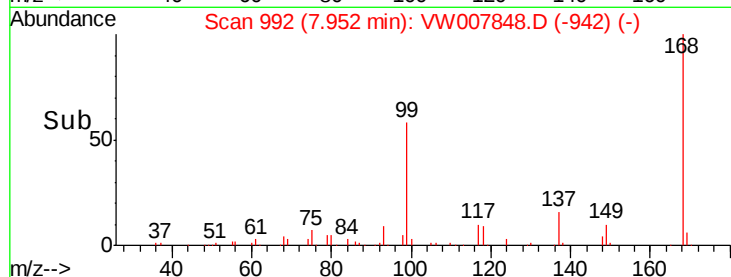
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 2.336 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW007848.D

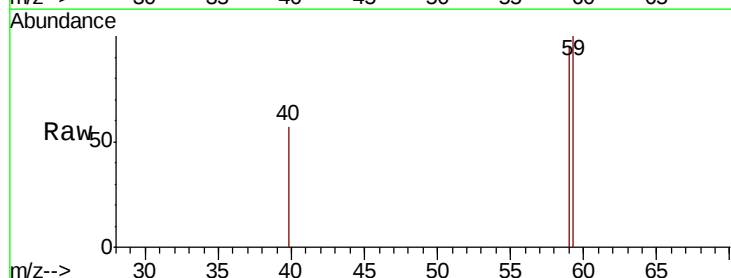
Acq: 22 Dec 2018 17:36

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

150

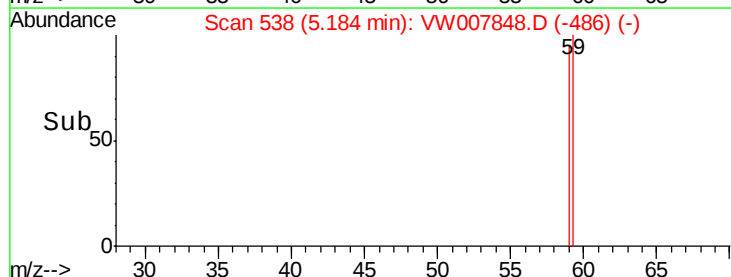
100

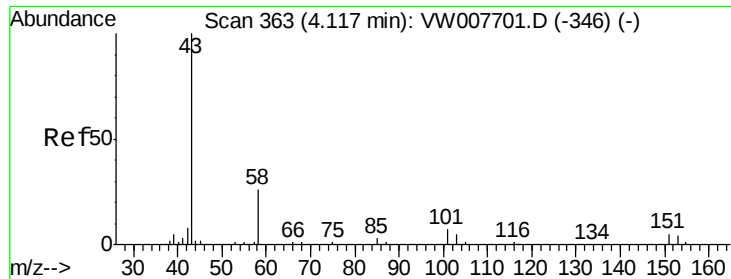
50

0

Time-->

5.16 5.18 5.20 5.22





#16

Acetone

Concen: 3.094 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

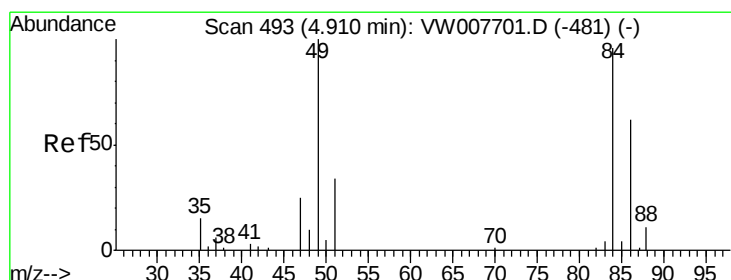
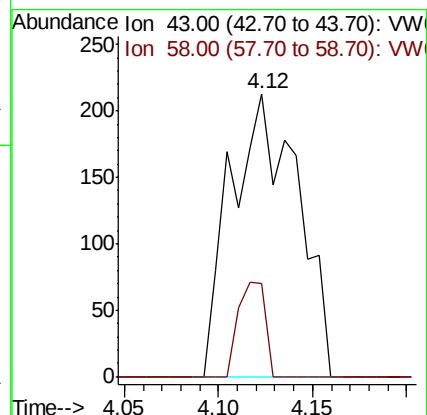
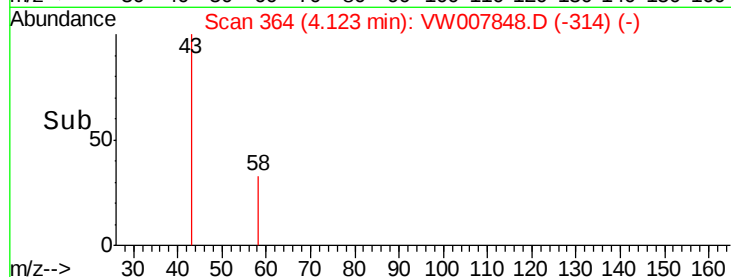
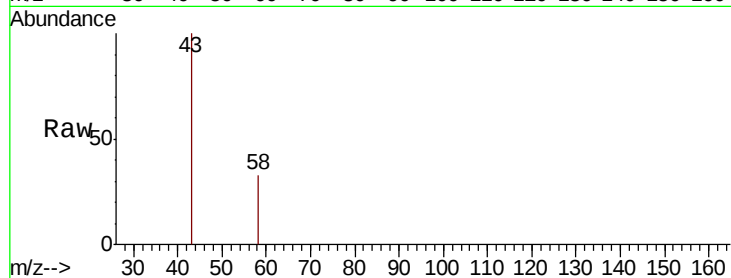
P001-SS008-1824-01

Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

58 32.9 21.2 31.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Tgt Ion: 84 Resp: 724

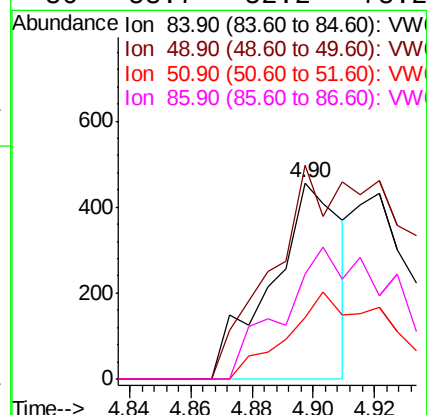
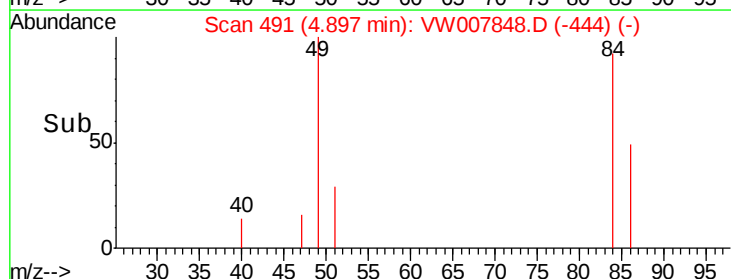
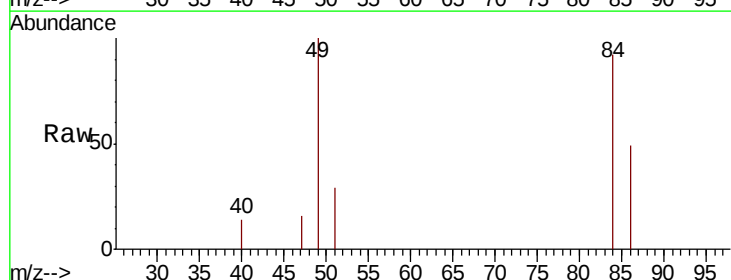
Ion Ratio Lower Upper

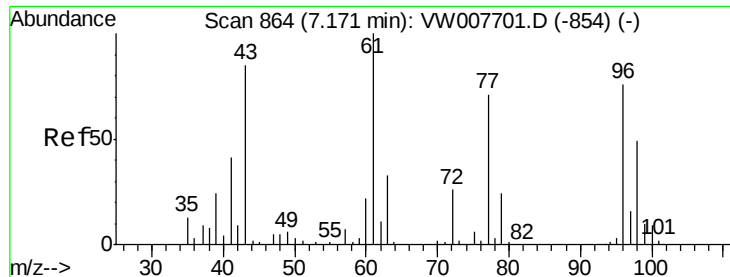
84 100

49 109.0 83.7 125.5

51 31.6 28.2 42.2

86 53.7 52.2 78.2





#25

2-Butanone

Concen: 2.697 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

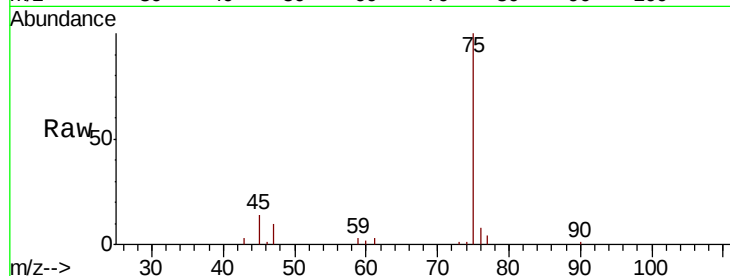
P001-SS008-1824-01

Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

43 100

72 0.0 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

250

200

150

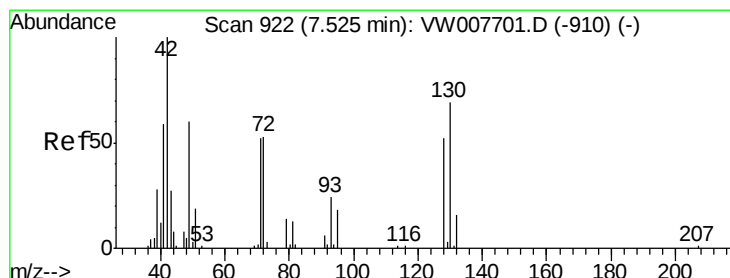
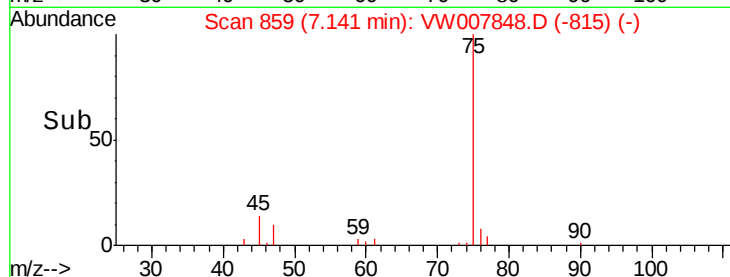
100

50

0

7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 1.230 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

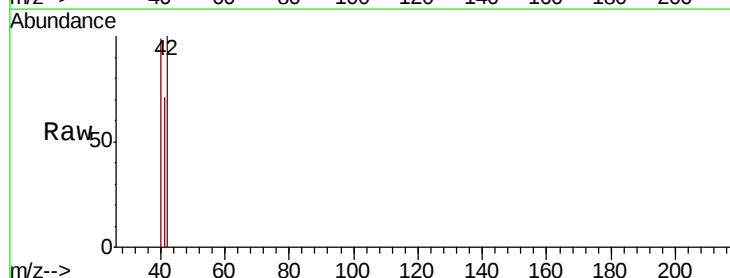
Tgt Ion: 42 Resp: 145

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 0.0 39.0 58.6#



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

100

80

60

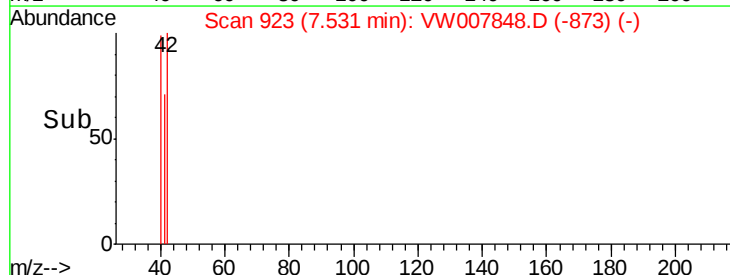
40

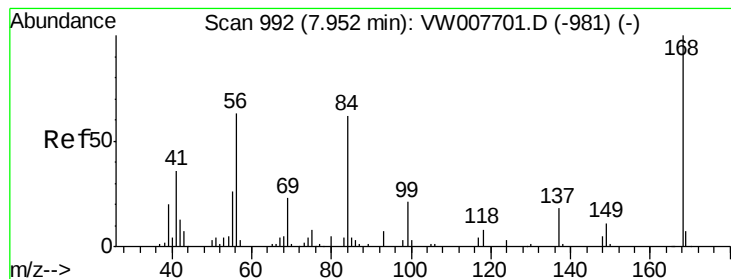
20

0

7.50 7.55

Time-->





#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SS008-1824-01

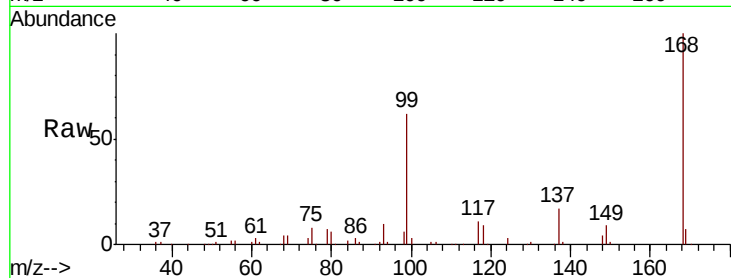
Tgt Ion: 56 Resp: 1569

Ion Ratio Lower Upper

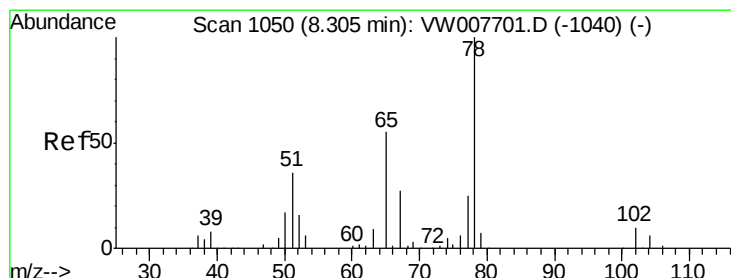
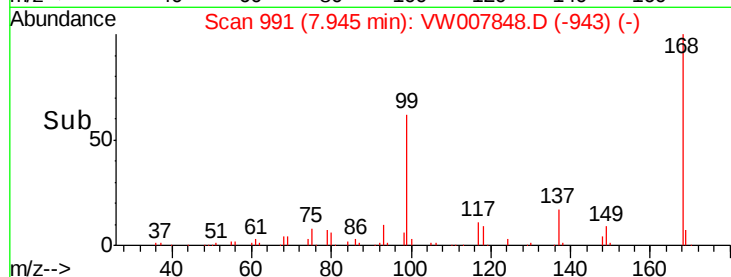
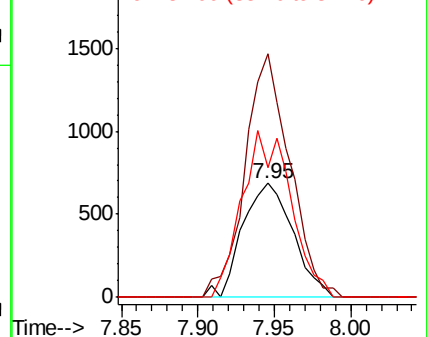
56 100

69 214.0 29.7 44.5#

84 114.5 78.9 118.3



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: 52.199 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007848.D

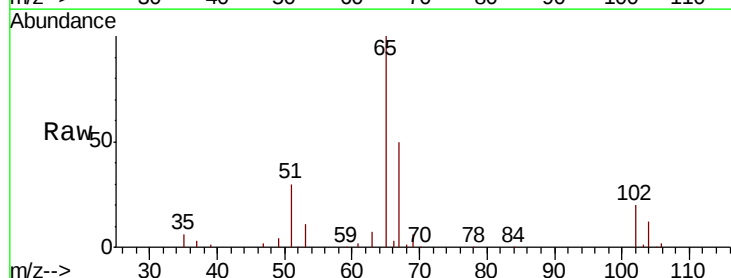
Acq: 22 Dec 2018 17:36

Tgt Ion: 65 Resp: 47033

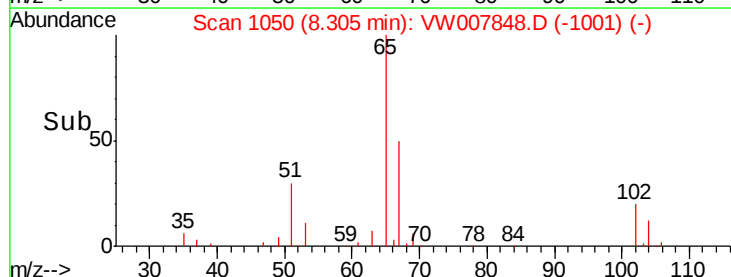
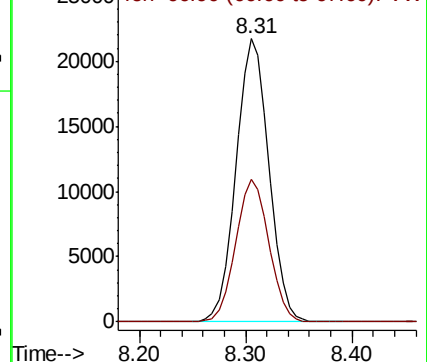
Ion Ratio Lower Upper

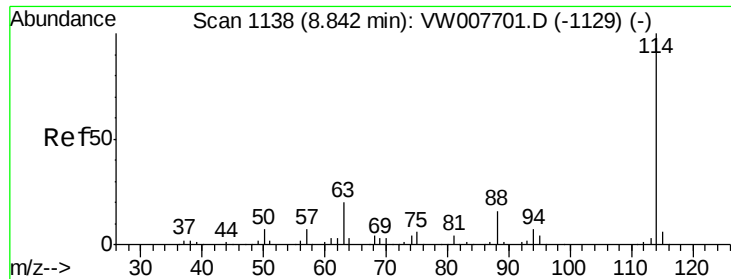
65 100

67 50.7 0.0 100.6



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

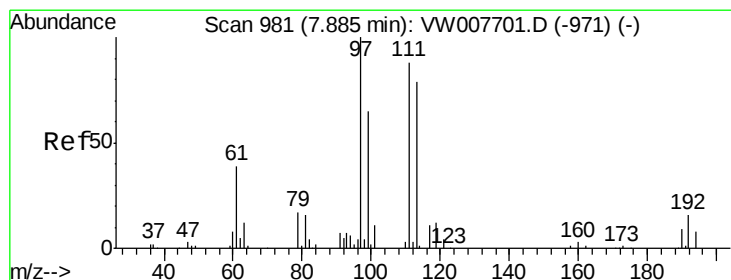
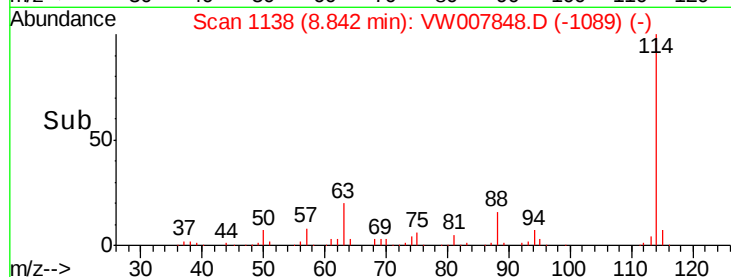
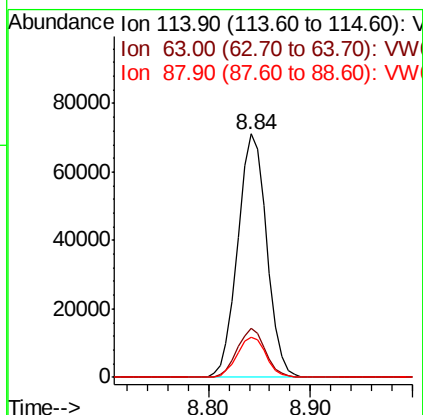
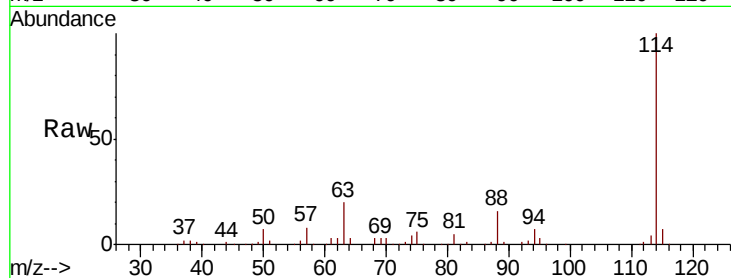




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007848.D
 Acq: 22 Dec 2018 17:36

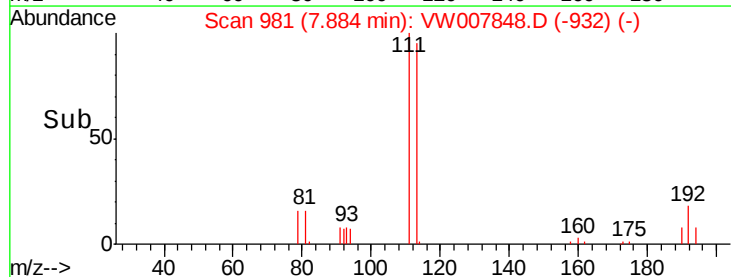
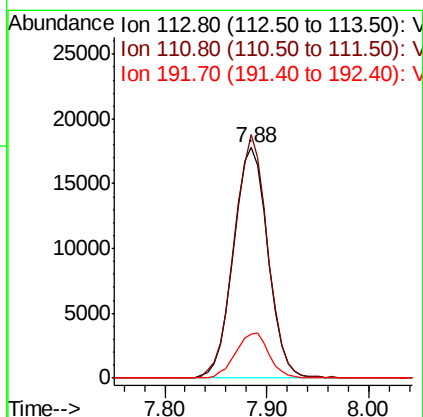
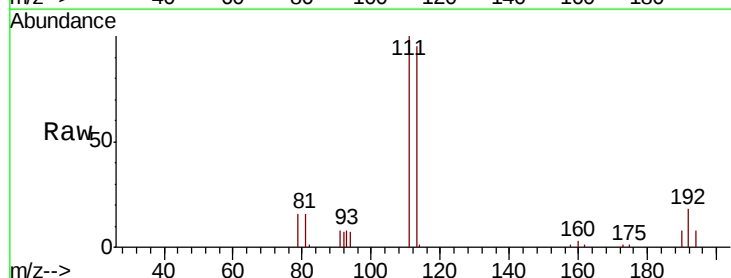
Instrument :
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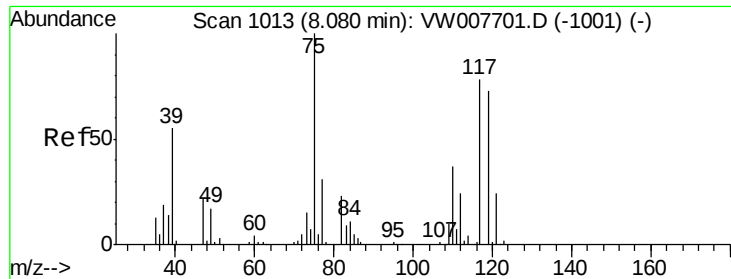
Tgt Ion:	114	Resp:	139951
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	16.4	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 48.741 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007848.D
 Acq: 22 Dec 2018 17:36

Tgt Ion:	113	Resp:	41614
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	124.0
192	18.9	15.5	23.3





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SS008-1824-01

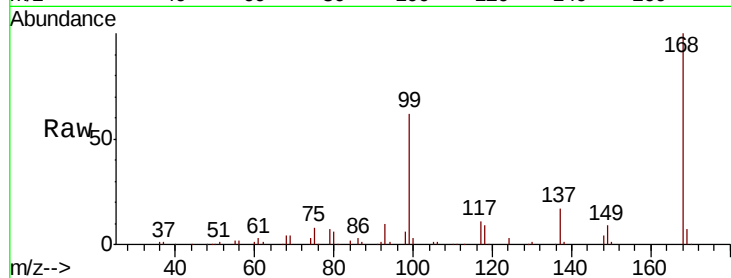
Tgt Ion: 75 Resp: 6343

Ion Ratio Lower Upper

75 100

110 9.4 18.6 55.8#

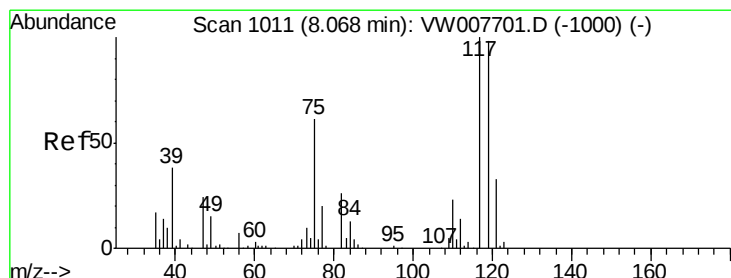
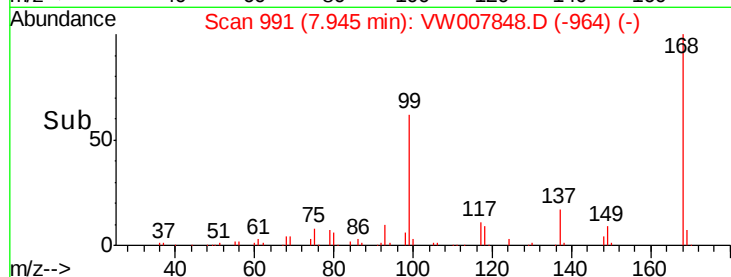
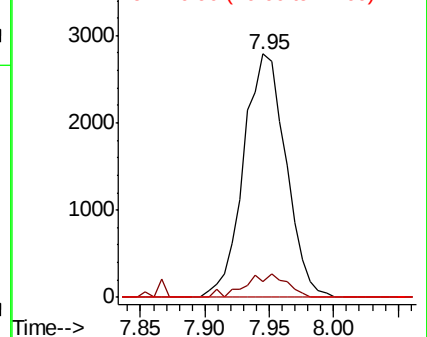
77 0.0 25.0 37.4#



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



#38

Carbon Tetrachloride

Concen: 5.302 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

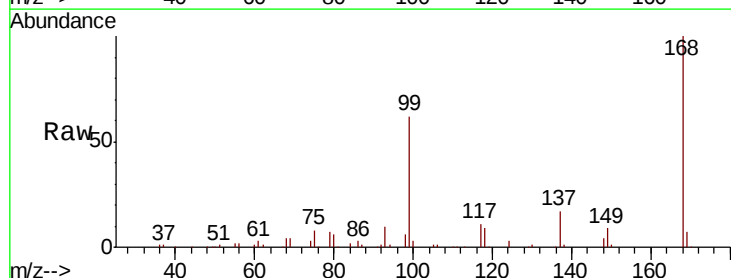
Tgt Ion: 117 Resp: 8434

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

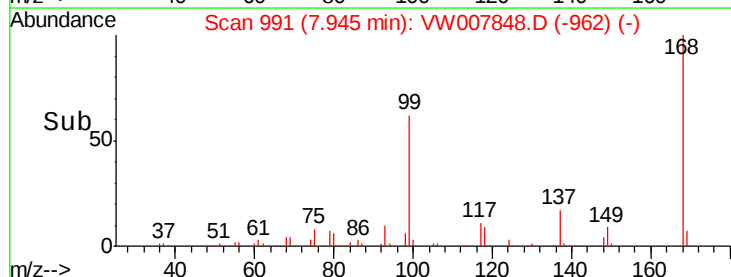
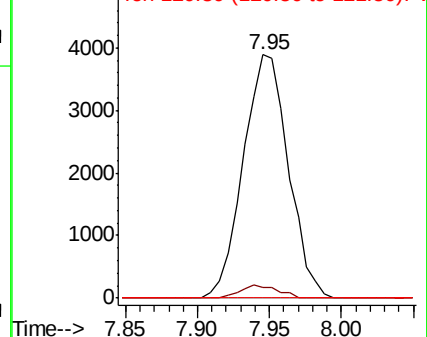
121 0.0 26.1 39.1#

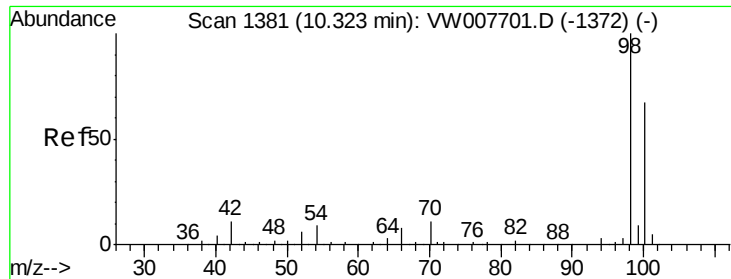


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 42.086 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

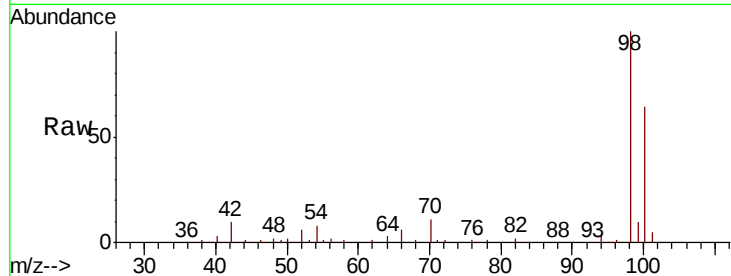
P001-SS008-1824-01

Tgt Ion: 98 Resp: 135458

Ion Ratio Lower Upper

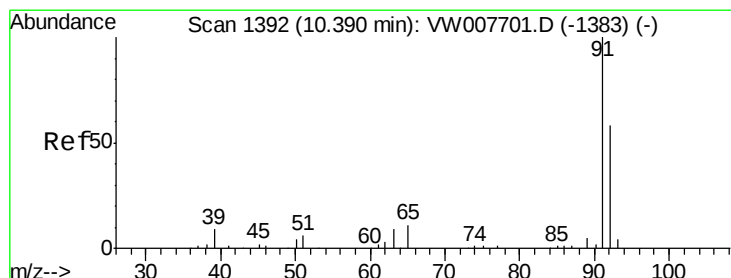
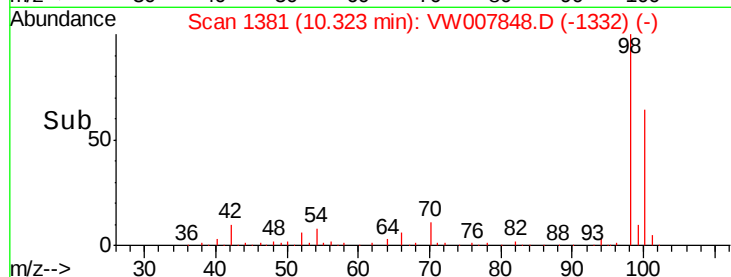
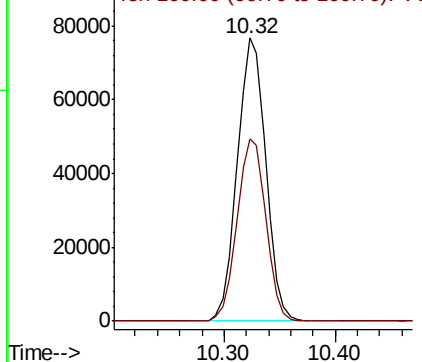
98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 4.135 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007848.D

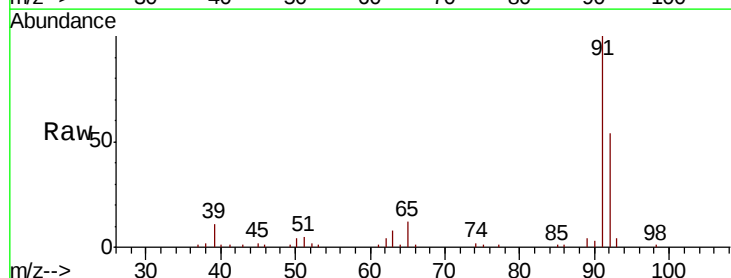
Acq: 22 Dec 2018 17:36

Tgt Ion: 92 Resp: 9999

Ion Ratio Lower Upper

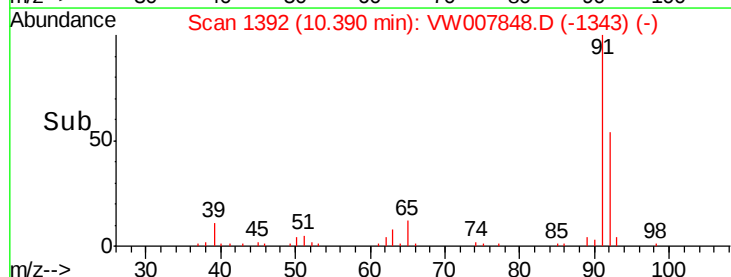
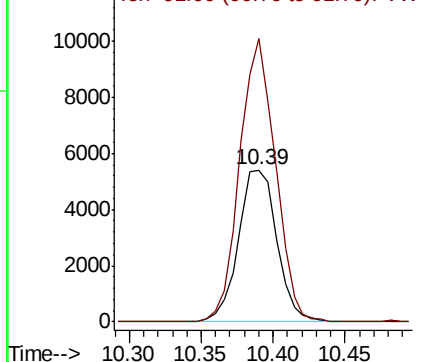
92 100

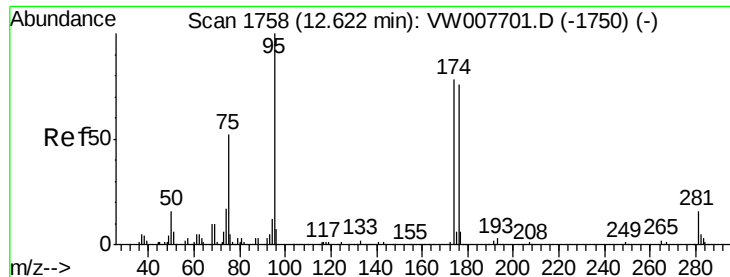
91 173.3 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 28.529 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SS008-1824-01

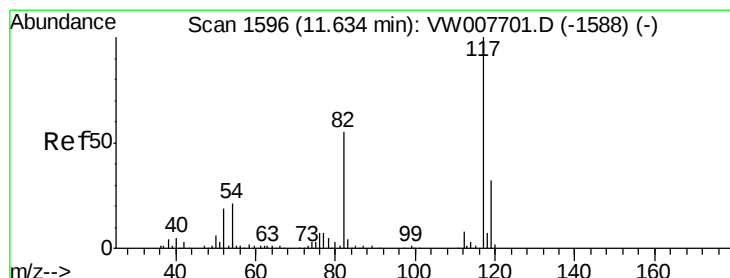
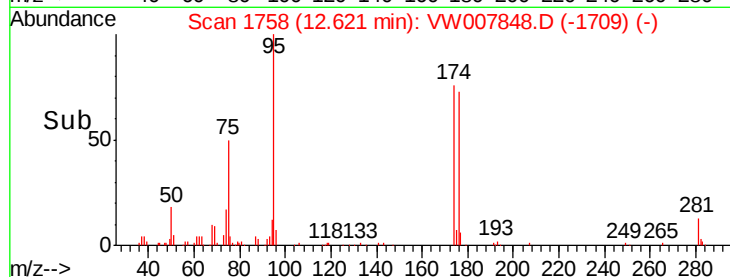
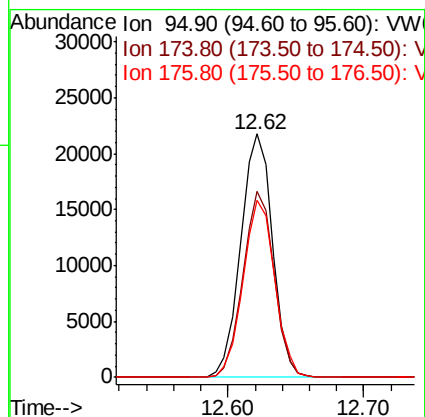
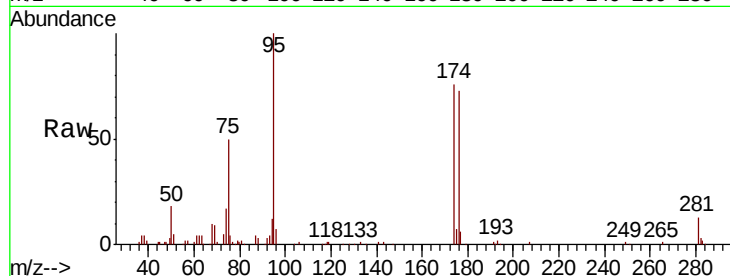
Tgt Ion: 95 Resp: 35473

Ion Ratio Lower Upper

95 100

174 75.0 0.0 152.2

176 72.8 0.0 146.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

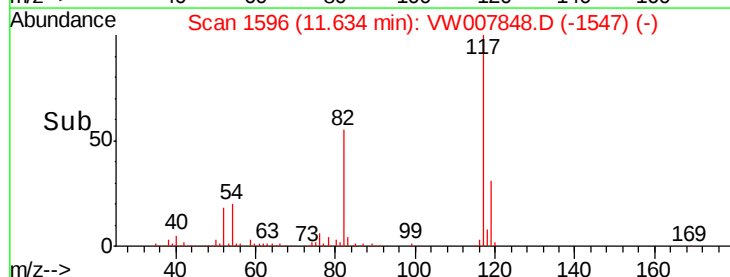
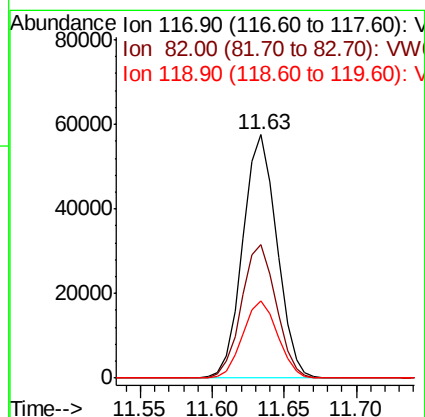
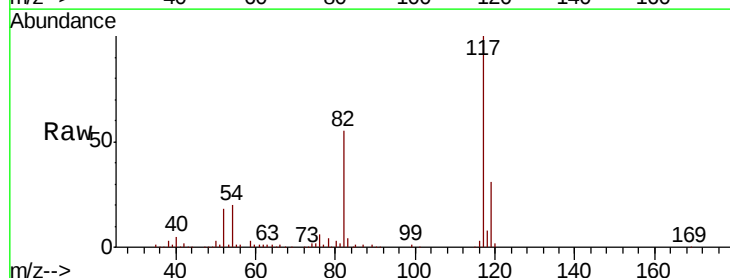
Tgt Ion: 117 Resp: 94563

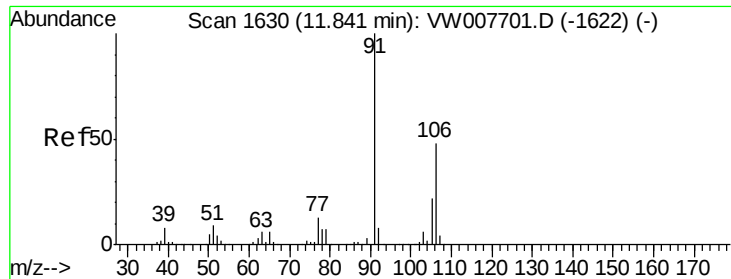
Ion Ratio Lower Upper

117 100

82 54.8 44.3 66.5

119 31.2 25.7 38.5

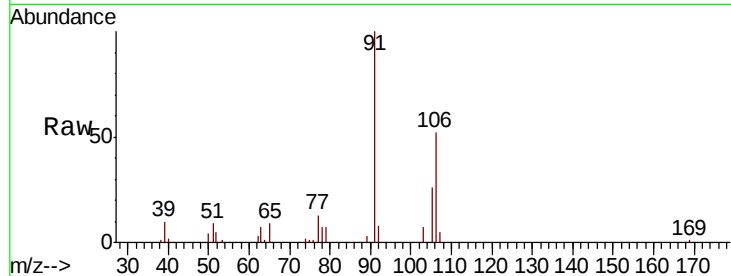




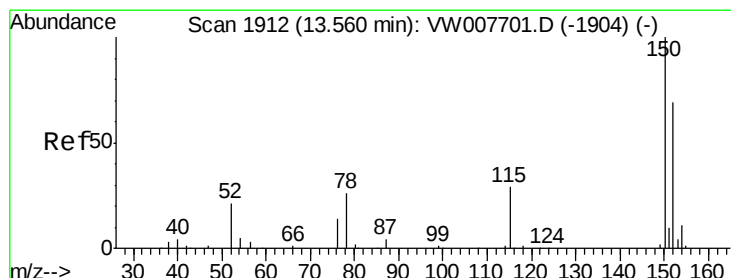
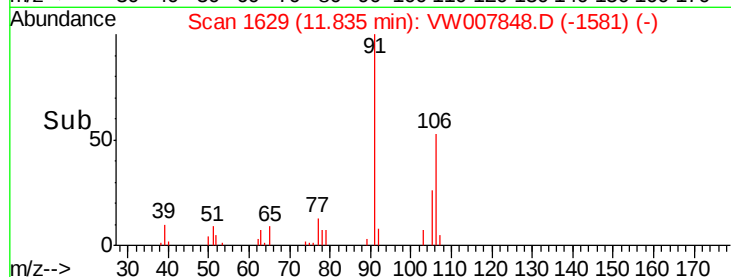
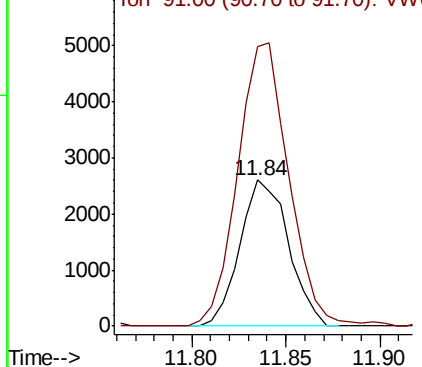
#68
m/p-Xylenes
Concen: 3.404 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007848.D
Acq: 22 Dec 2018 17:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SS008-1824-01

Tgt Ion:106 Resp: 4638
Ion Ratio Lower Upper
106 100
91 204.6 165.2 247.8

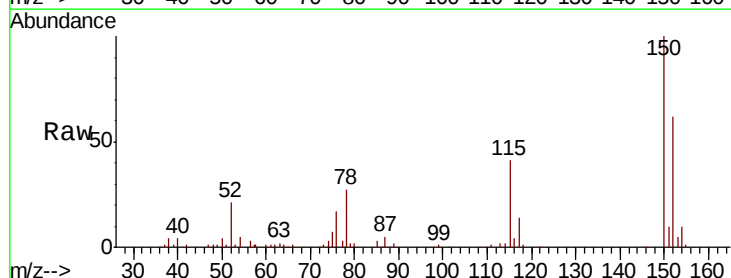


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

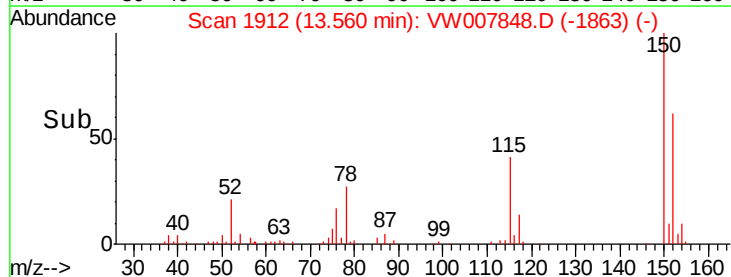
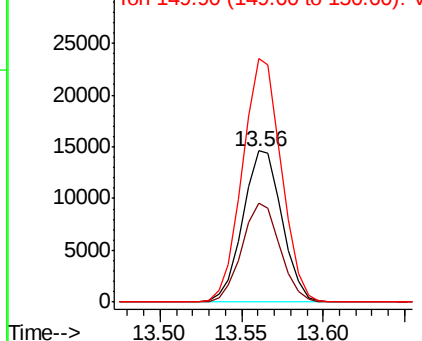


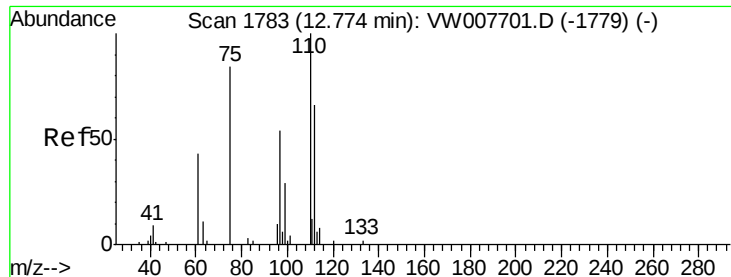
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007848.D
Acq: 22 Dec 2018 17:36

Tgt Ion:152 Resp: 24398
Ion Ratio Lower Upper
152 100
115 63.3 31.8 95.4
150 159.3 0.0 350.8



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: 93.523 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

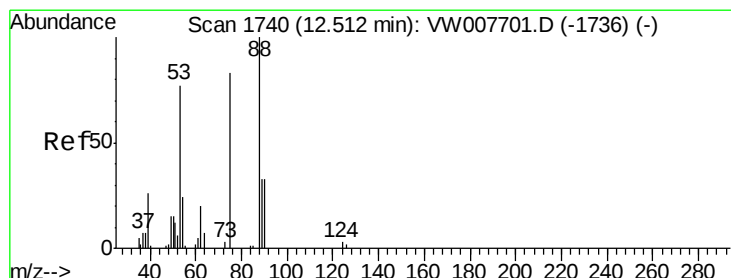
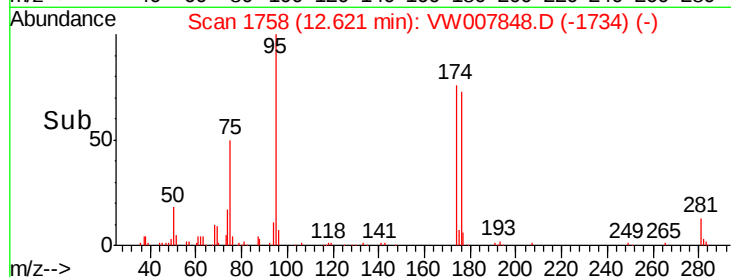
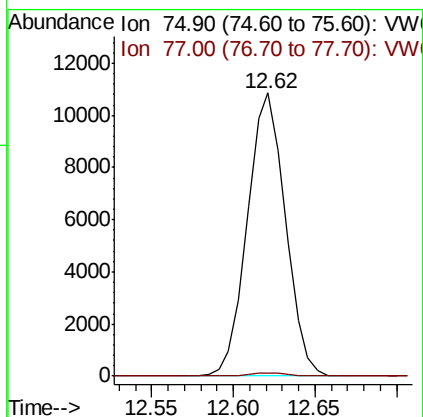
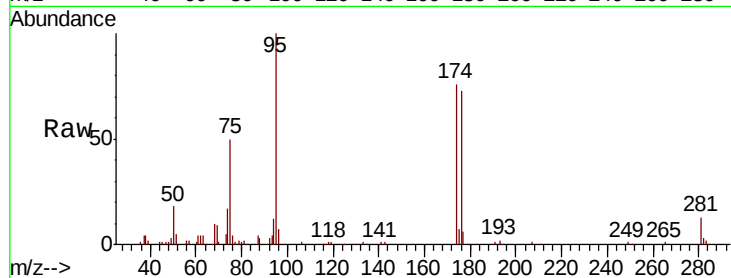
P001-SS008-1824-01

Tgt Ion: 75 Resp: 17636

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 196.312 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007848.D

Acq: 22 Dec 2018 17:36

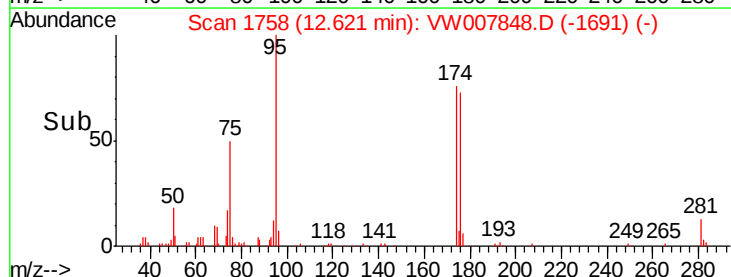
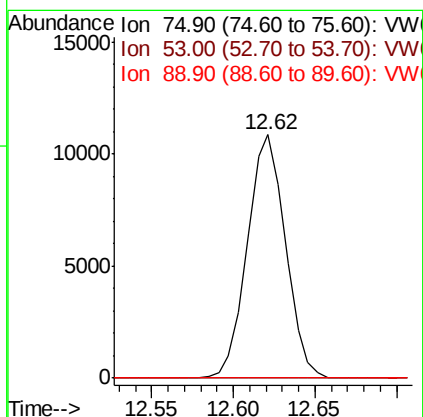
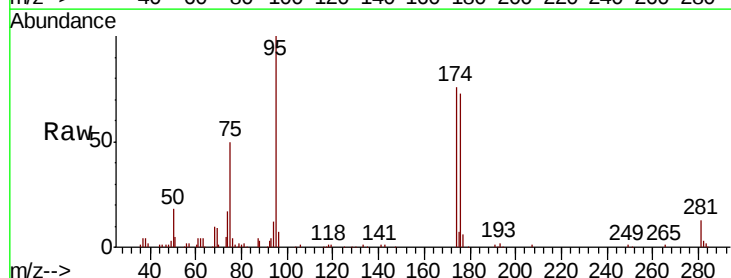
Tgt Ion: 75 Resp: 17636

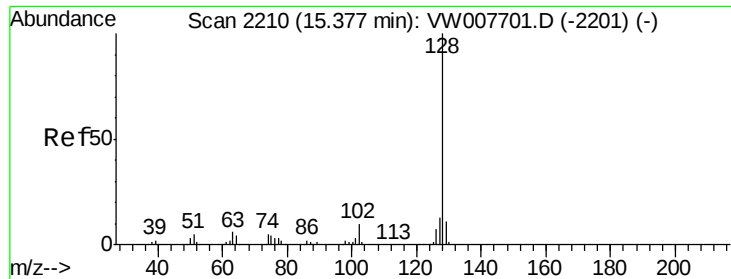
Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

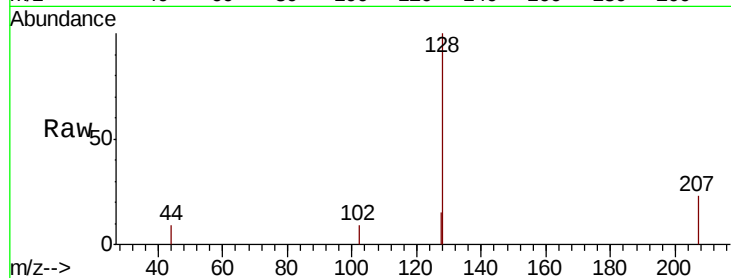




#95
Naphthalene
Concen: 1.305 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007848.D
Acq: 22 Dec 2018 17:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SS008-1824-01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.7	16.1#
129	0.0	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

