

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007734.D
 Acq On : 20 Dec 2018 08:32
 Operator : SY/AP
 Sample : J6386-01RE
 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-02RE

Quant Time: Dec 20 10:11:15 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	76031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	129716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	29612	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	39682	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	7.88	113	35957	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
50) Toluene-d8	10.32	98	109024	36.55	ug/l	0.00
Spiked Amount			Recovery	=	73.10%	
62) 4-Bromofluorobenzene	12.62	95	31951	27.72	ug/l	0.00
Spiked Amount			Recovery	=	55.44%	

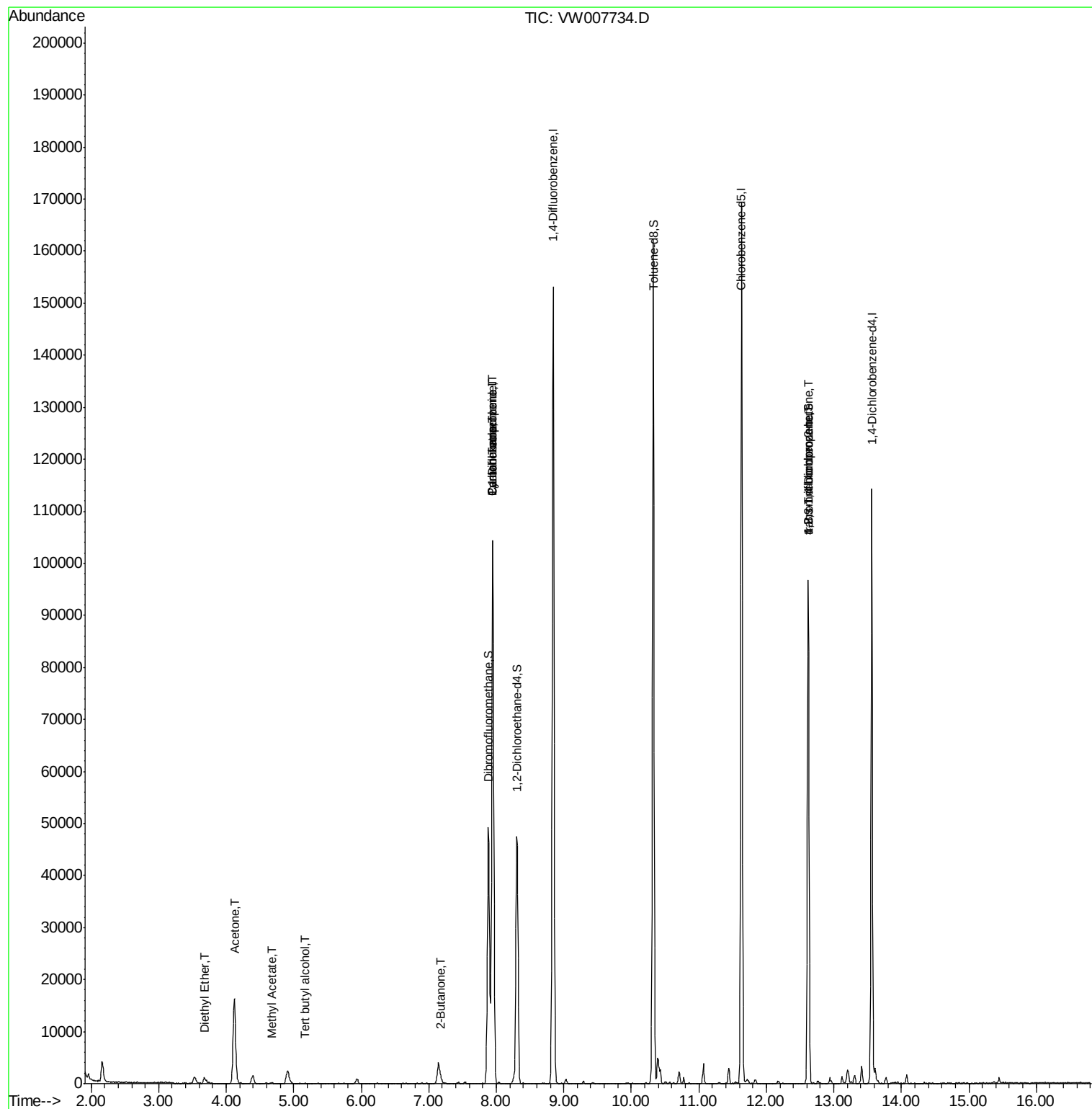
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	730	2.167	ug/l	84
11) Tert butyl alcohol	5.17	59	109	1.939	ug/l #	73
16) Acetone	4.12	43	28367	181.782	ug/l #	89
18) Methyl Acetate	4.68	43	384	1.035	ug/l #	71
20) Methylene Chloride	4.91	84	2273	Below Cal		95
25) 2-Butanone	7.18	43	1601	8.759	ug/l	94
31) Cyclohexane	7.94	56	1599	1.289	ug/l #	53
36) 1,1-Dichloropropene	7.95	75	5783	4.619	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8227	5.580	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	16401	71.660	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16401	150.419	ug/l #	9

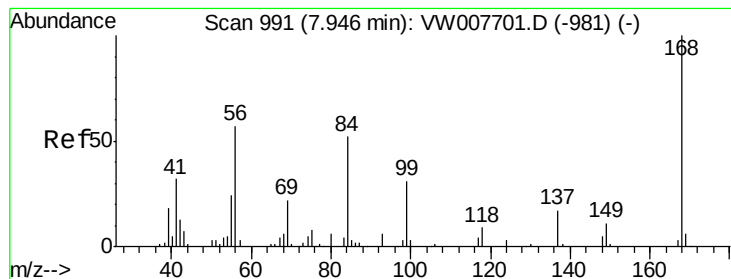
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122118\
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Quant Time: Dec 20 10:11:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
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: VW007734.D

Acq: 20 Dec 2018 08:32

Instrument :

MSVOA_W

ClientSampleId :

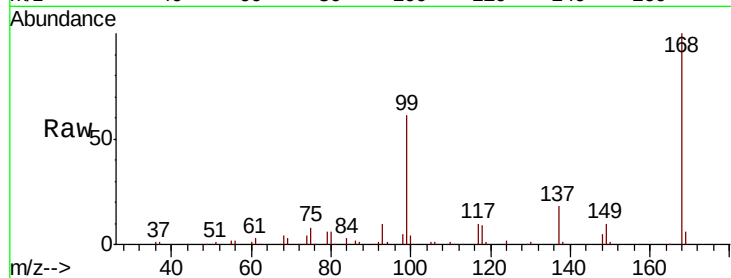
P001-SS006-1824-02RE

Tot Ion:168 Resp: 76031

Ion Ratio Lower Upper

168 100

99 61.1 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

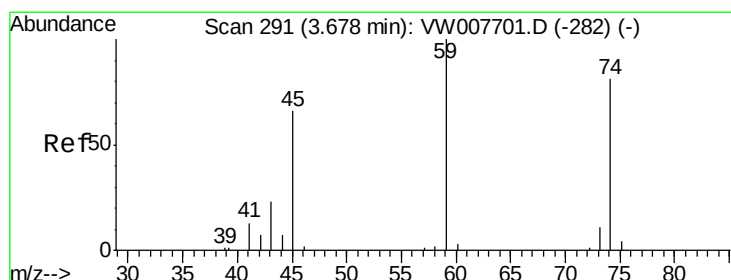
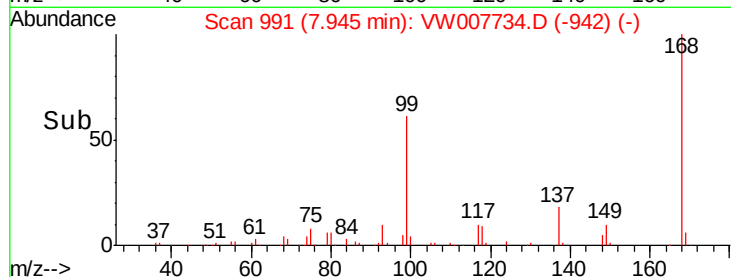
10000

0

Time-->

7.90

8.00



#8

Diethyl Ether

Concen: 2.167 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007734.D

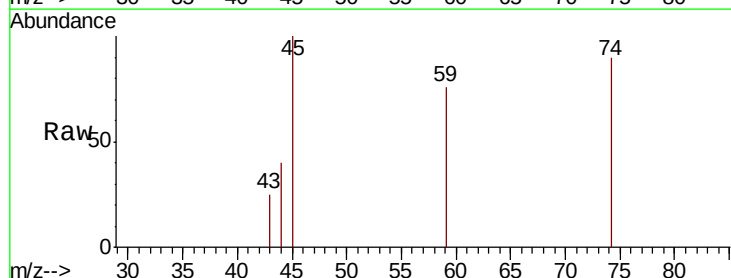
Acq: 20 Dec 2018 08:32

Tgt Ion: 74 Resp: 730

Ion Ratio Lower Upper

74 100

45 92.9 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

400

300

200

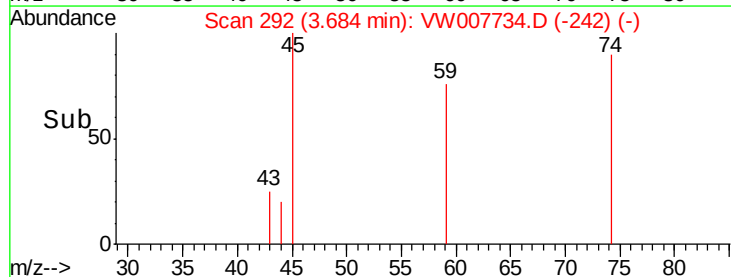
100

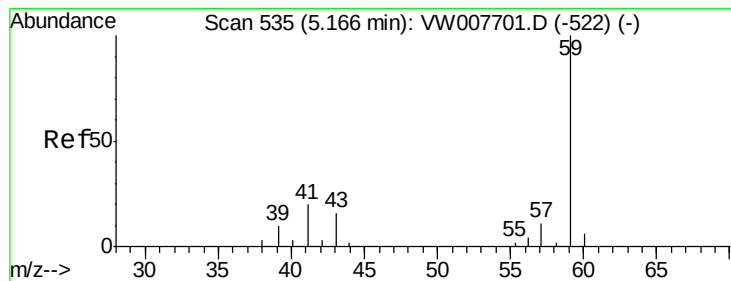
0

Time-->

3.65

3.70





#11

Tert butyl alcohol

Concen: 1.939 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

Instrument :

MSVOA_W

ClientSampleId :

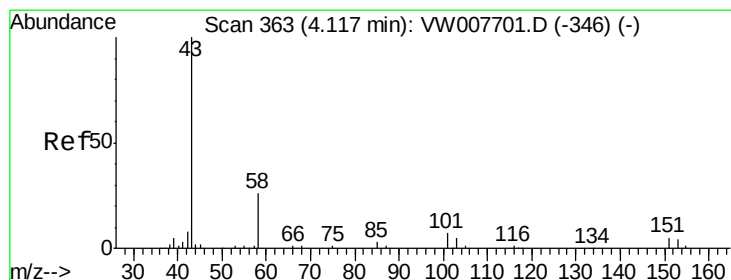
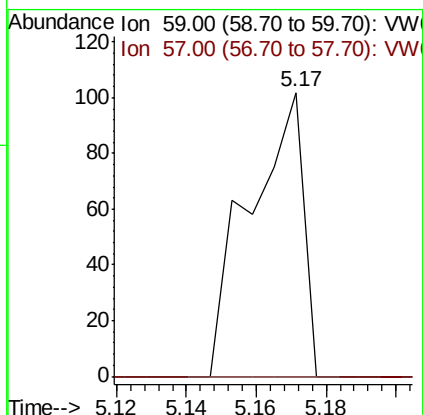
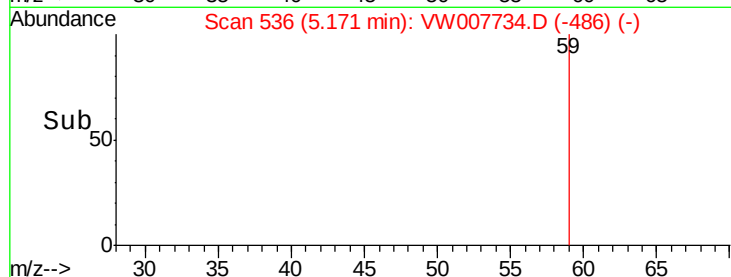
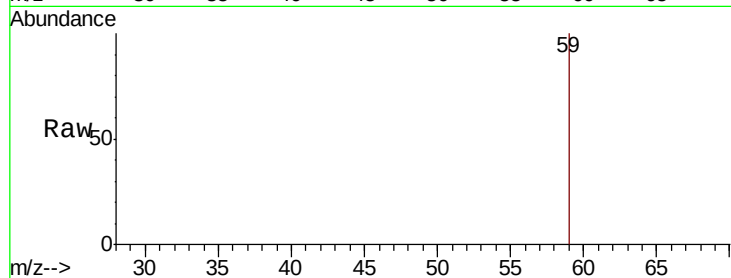
P001-SS006-1824-02RE

Tot Ion: 59 Resp: 109

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 181.782 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007734.D

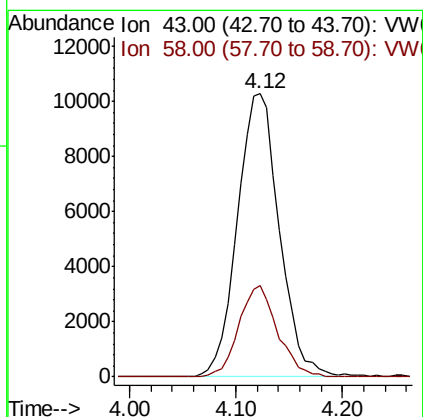
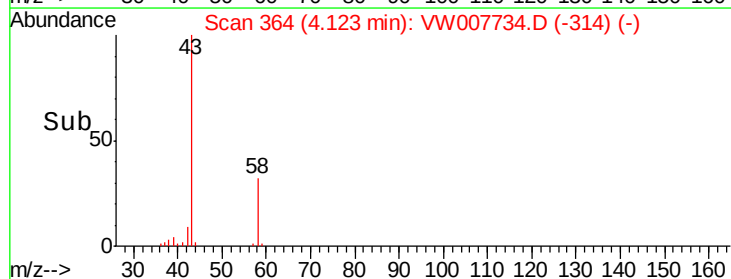
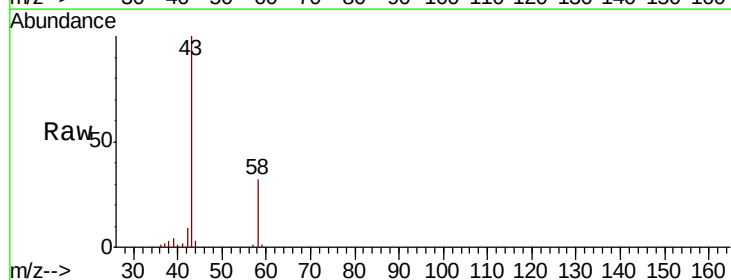
Acq: 20 Dec 2018 08:32

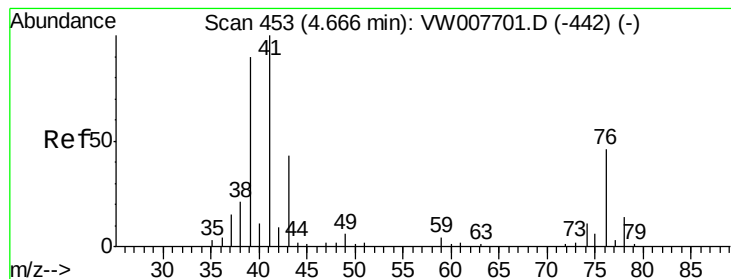
Tgt Ion: 43 Resp: 28367

Ion Ratio Lower Upper

43 100

58 32.4 21.2 31.8#





#18

Methyl Acetate

Concen: 1.035 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

Instrument :

MSVOA_W

ClientSampleId :

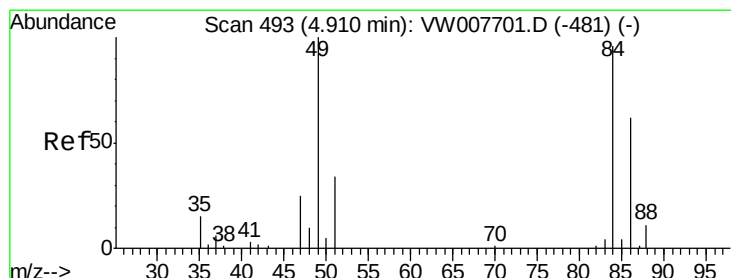
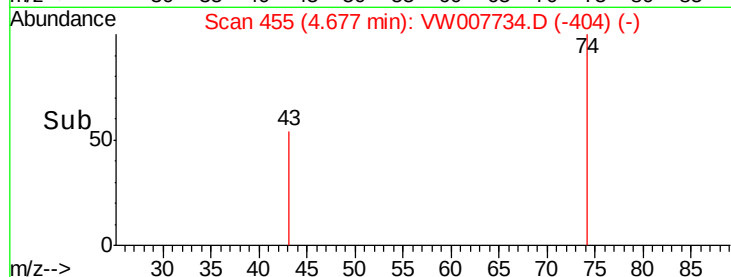
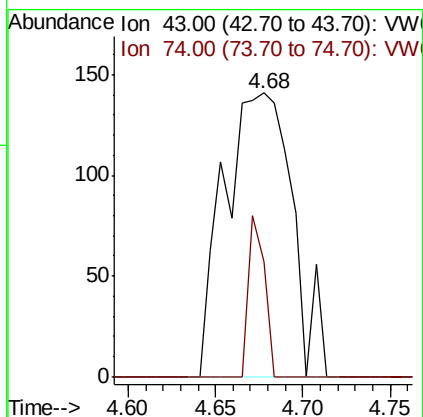
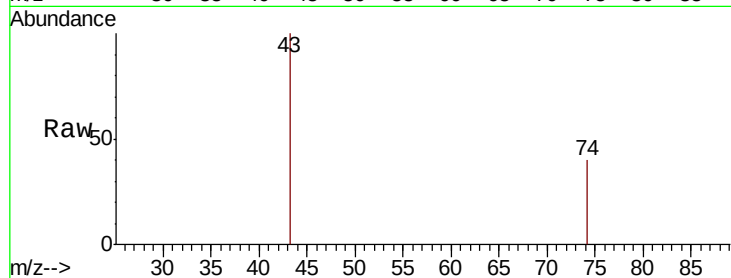
P001-SS006-1824-02RE

Tot Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

74 13.0 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

Tgt Ion: 84 Resp: 2273

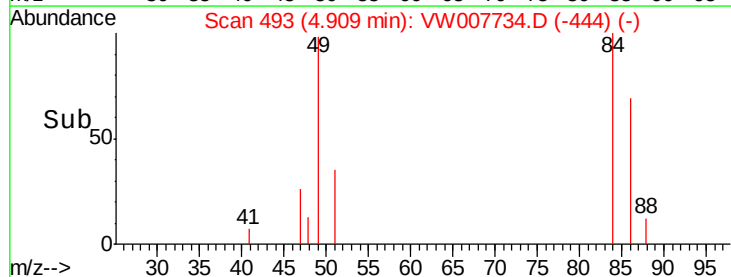
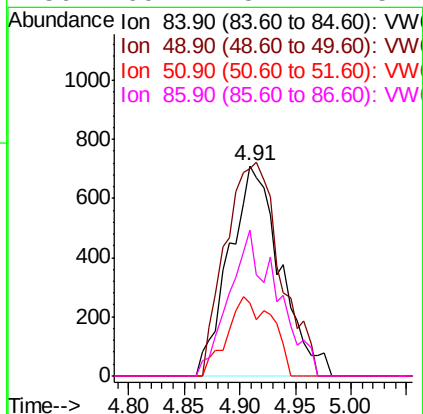
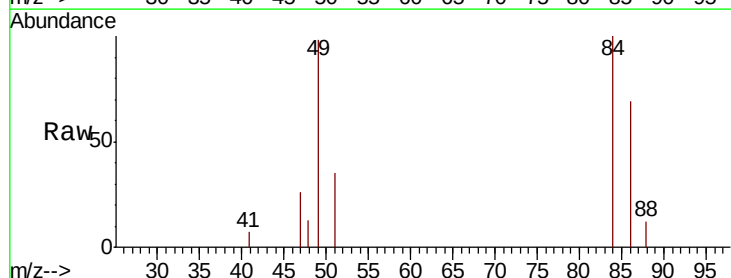
Ion Ratio Lower Upper

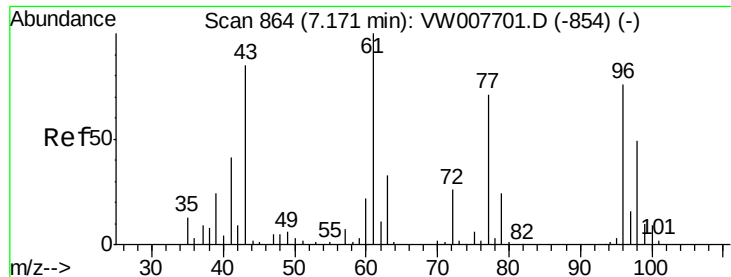
84 100

49 98.5 83.7 125.5

51 34.6 28.2 42.2

86 69.2 52.2 78.2

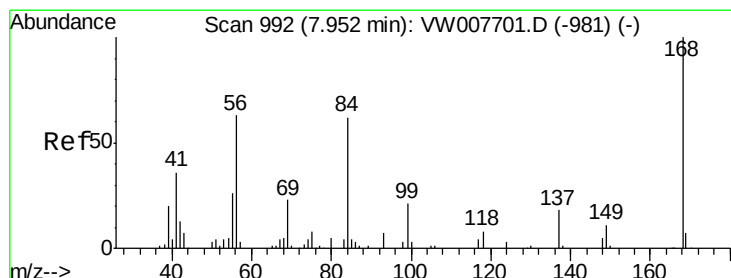
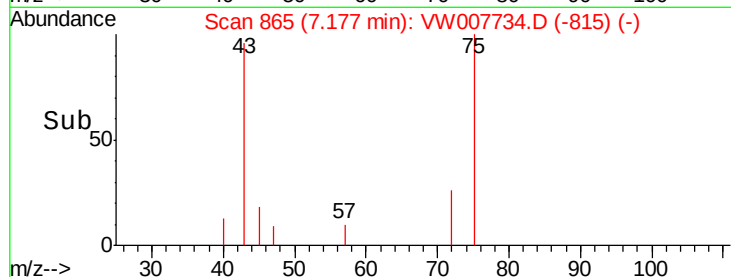
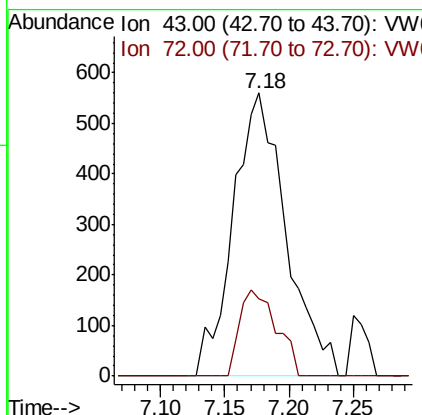
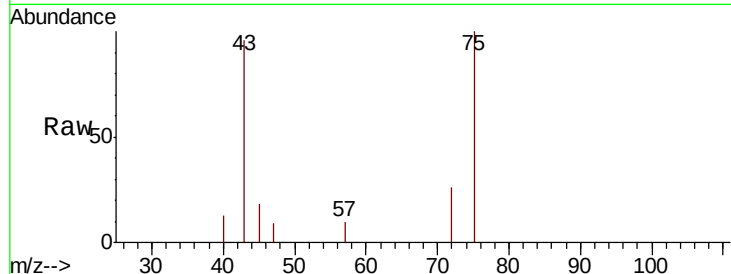




#25
2-Butanone
Concen: 8.759 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007734.D
Acq: 20 Dec 2018 08:32

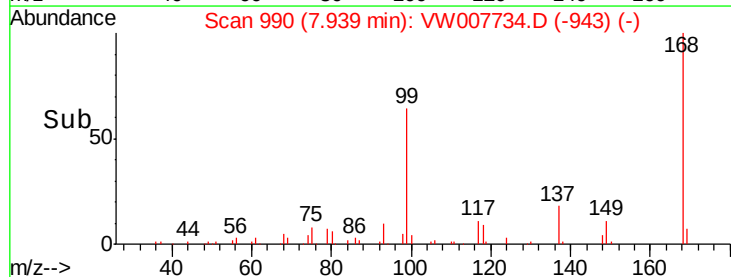
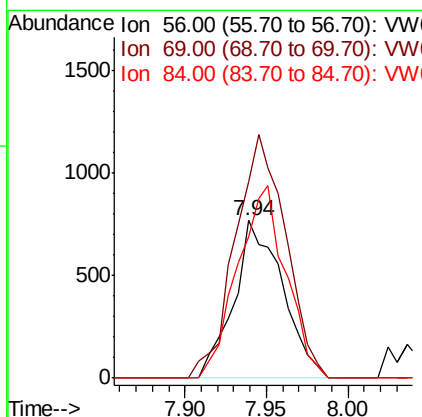
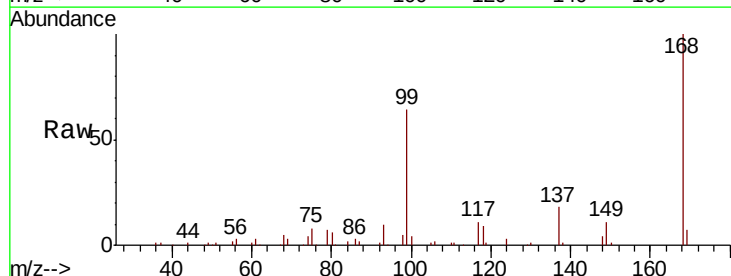
Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-02RE

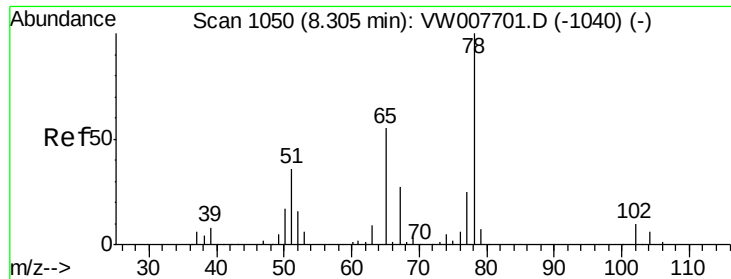
Tot Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
72 27.3 24.5 36.7



#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007734.D
Acq: 20 Dec 2018 08:32

Tgt Ion: 56 Resp: 1599
Ion Ratio Lower Upper
56 100
69 125.0 29.7 44.5#
84 89.9 78.9 118.3





#33

1,2-Dichloroethane-d4

Concen: 47.618 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

Instrument :

MSVOA_W

ClientSampleId :

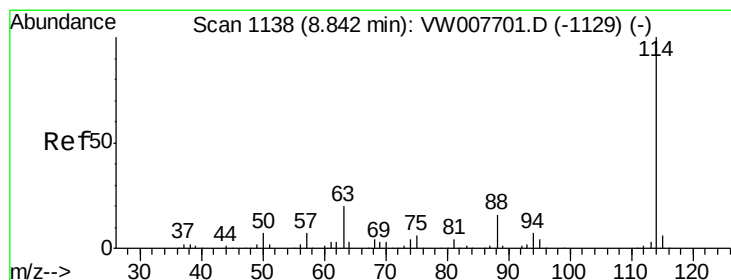
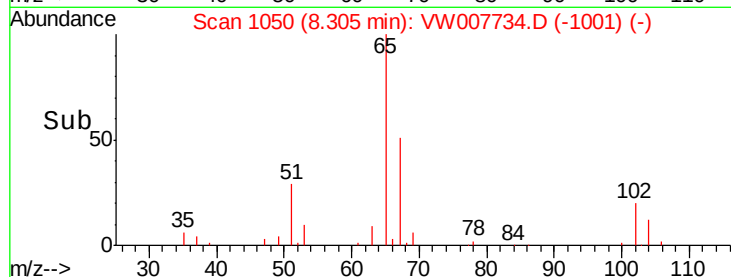
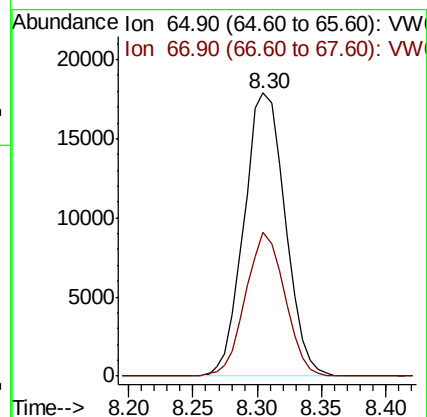
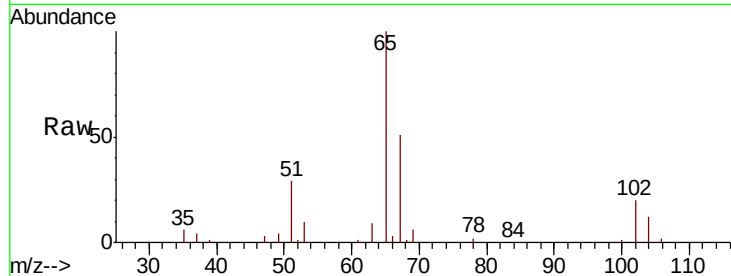
P001-SS006-1824-02RE

Tot Ion: 65 Resp: 39682

Ion Ratio Lower Upper

65 100

67 48.4 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

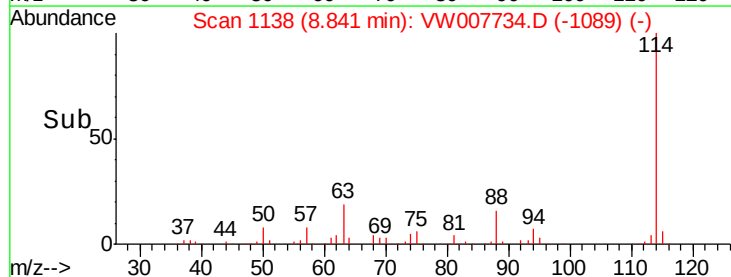
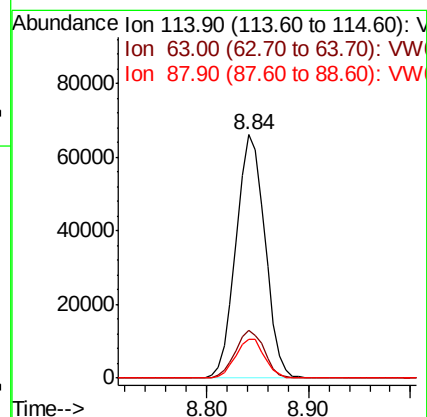
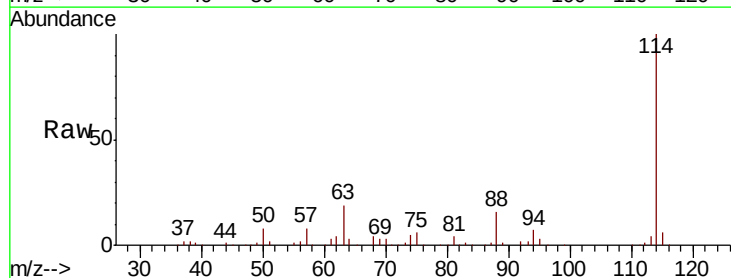
Tgt Ion: 114 Resp: 129716

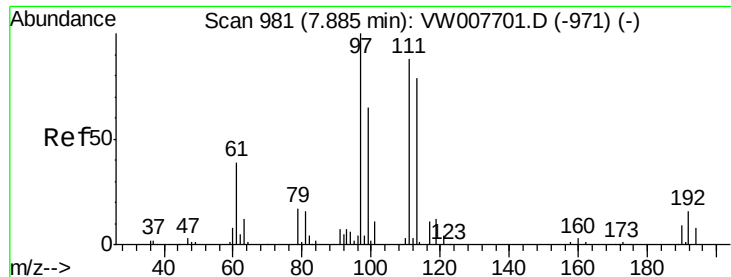
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.438 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-02RE

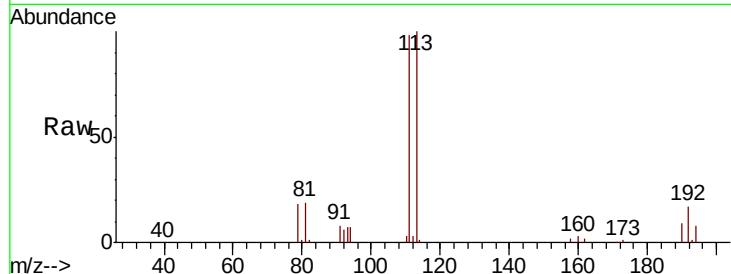
Tot Ion:113 Resp: 35957

Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

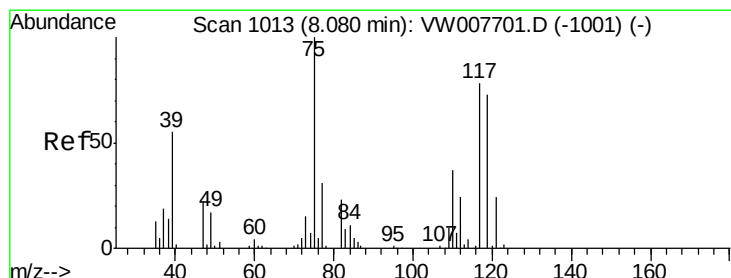
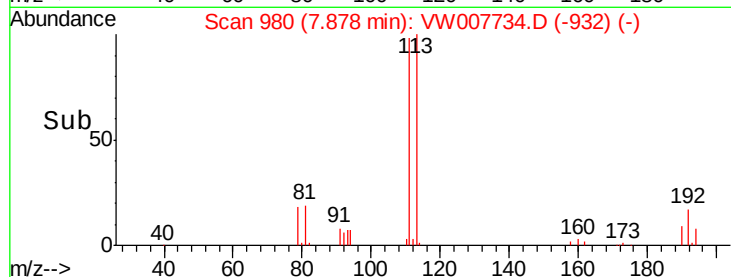
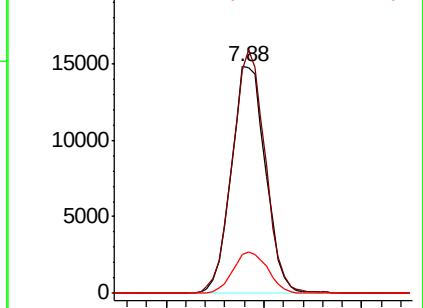
192 18.4 15.5 23.3



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: 4.619 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

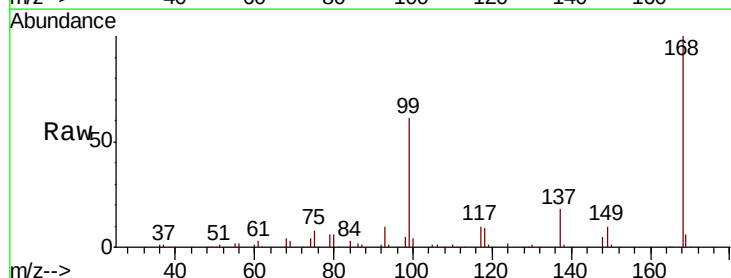
Tgt Ion: 75 Resp: 5783

Ion Ratio Lower Upper

75 100

110 10.8 18.6 55.8#

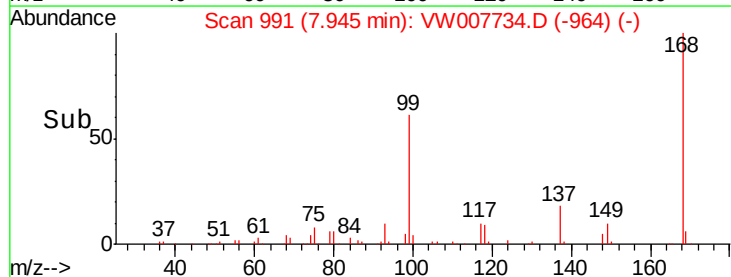
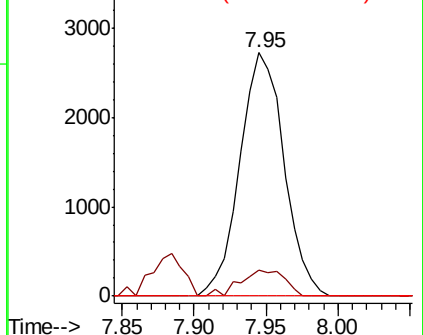
77 0.0 25.0 37.4#

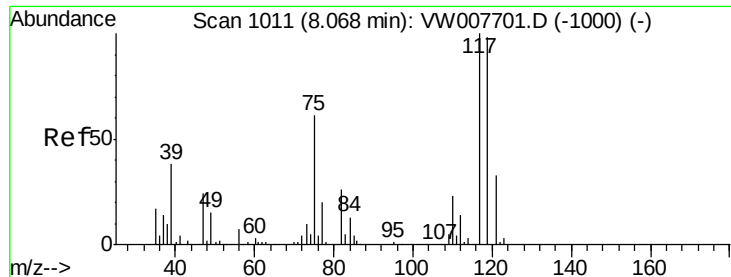


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

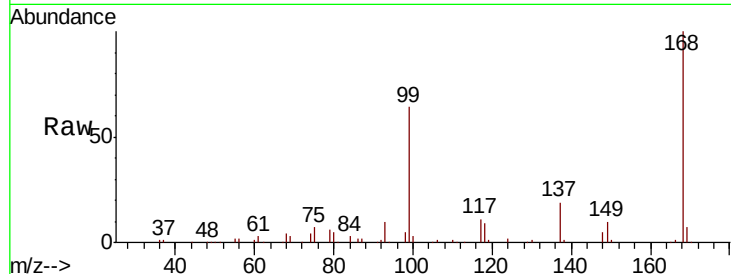




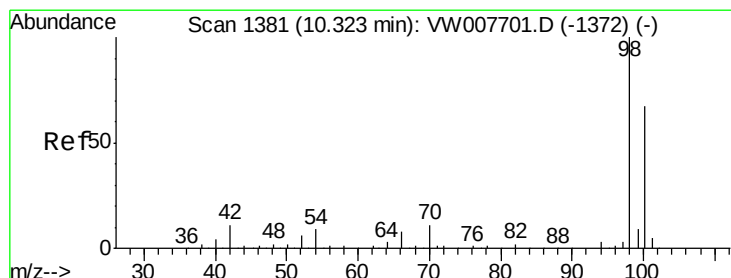
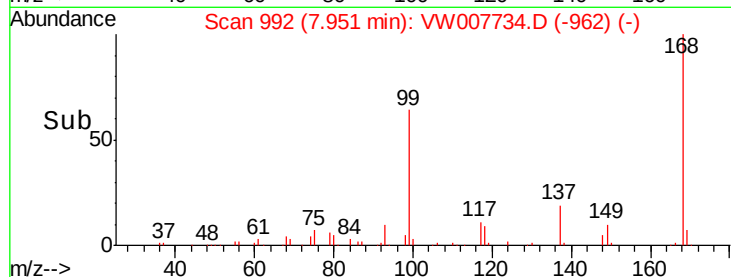
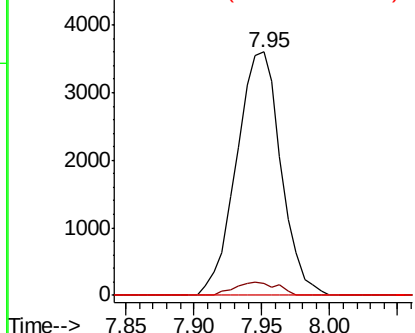
#38
Carbon Tetrachloride
Concen: 5.580 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007734.D
Acq: 20 Dec 2018 08:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-02RE

Tot Ion:117 Resp: 8227
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 26.1 39.1#

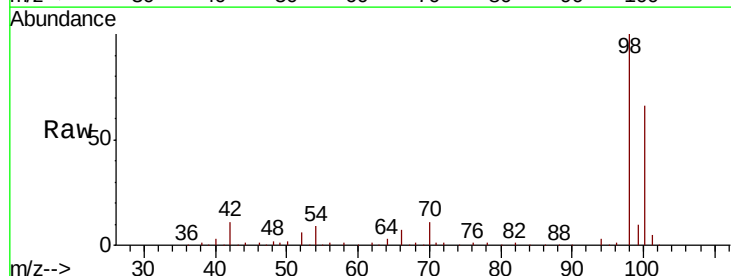


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

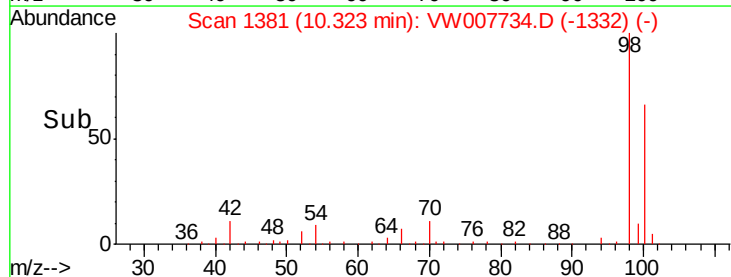
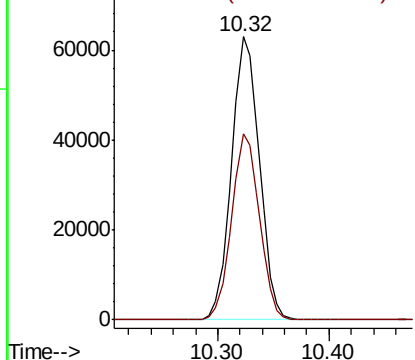


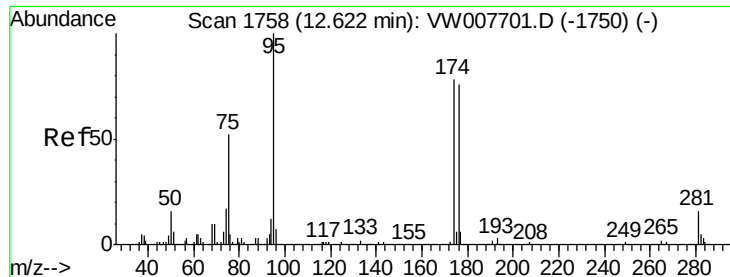
#50
Toluene-d8
Concen: 36.546 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007734.D
Acq: 20 Dec 2018 08:32

Tgt Ion: 98 Resp: 109024
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



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

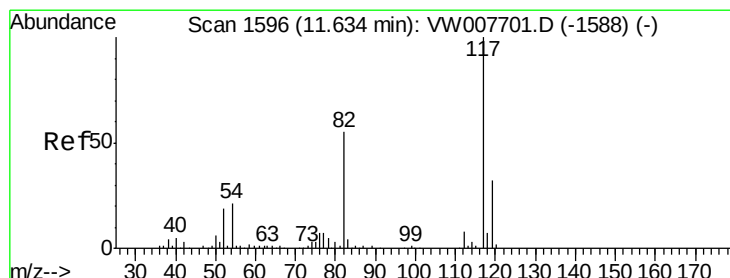
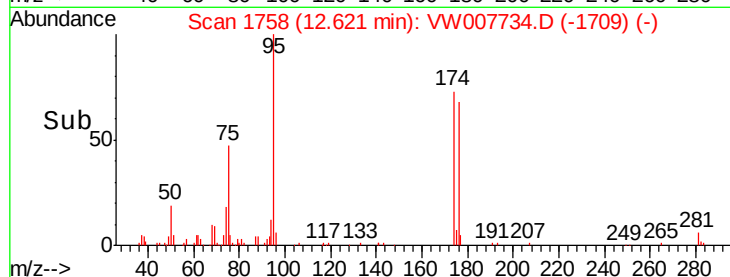
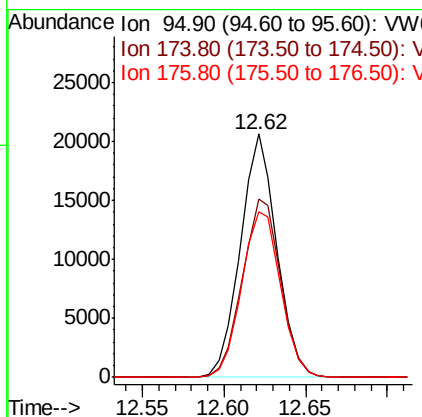
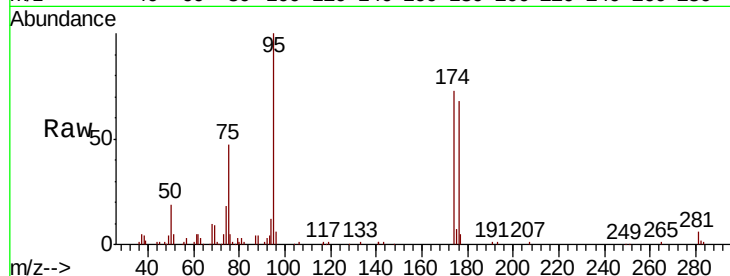




#62
4-Bromofluorobenzene
Concen: 27.724 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007734.D
Acq: 20 Dec 2018 08:32

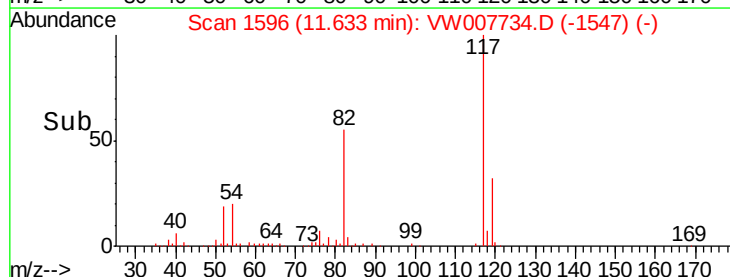
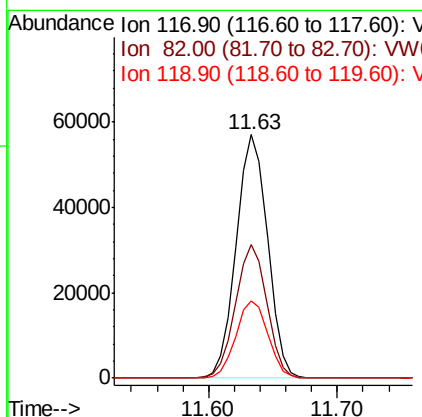
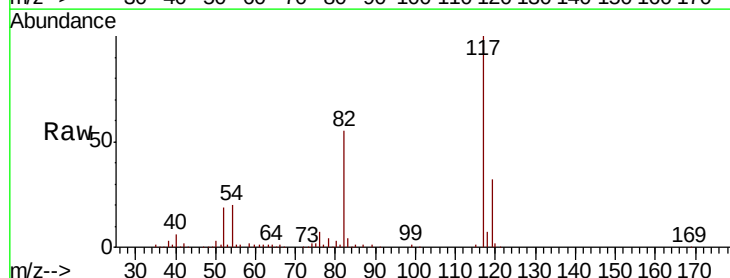
Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-02RE

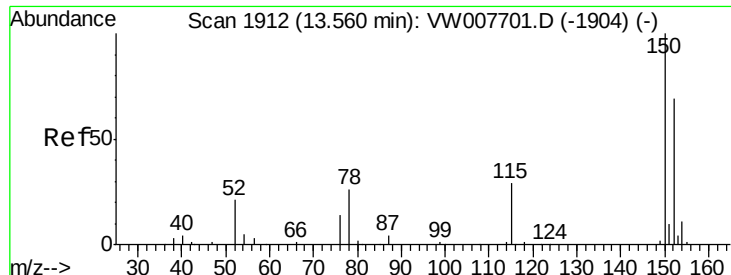
Tot Ion: 95 Resp: 31951
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.2
176 72.9 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007734.D
Acq: 20 Dec 2018 08:32

Tgt Ion: 117 Resp: 96338
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-02RE

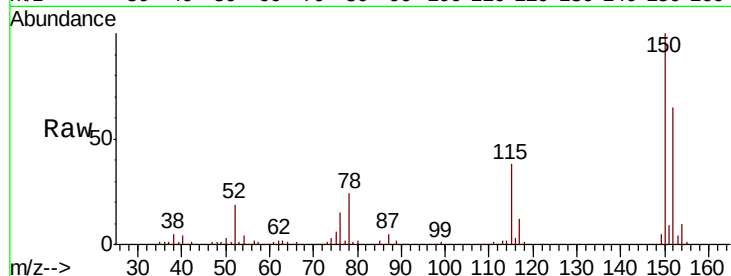
Tot Ion:152 Resp: 29612

Ion Ratio Lower Upper

152 100

115 63.3 31.8 95.4

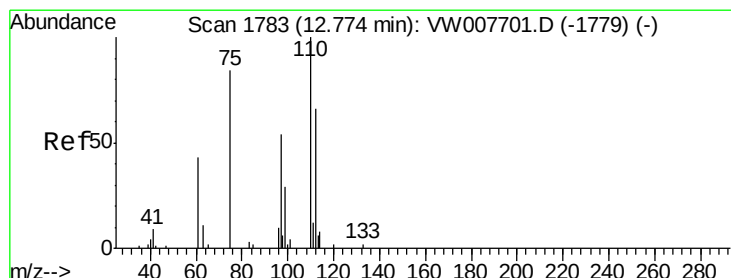
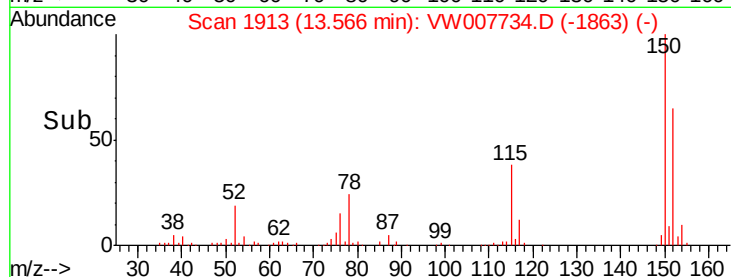
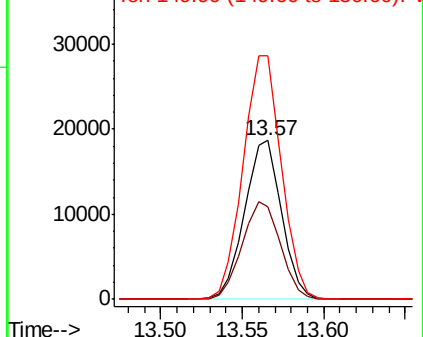
150 158.3 0.0 350.8



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: 71.660 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007734.D

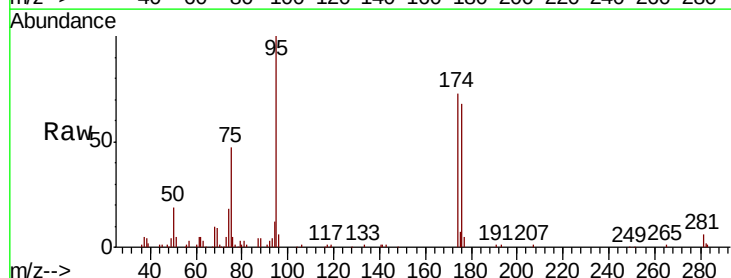
Acq: 20 Dec 2018 08:32

Tgt Ion: 75 Resp: 16401

Ion Ratio Lower Upper

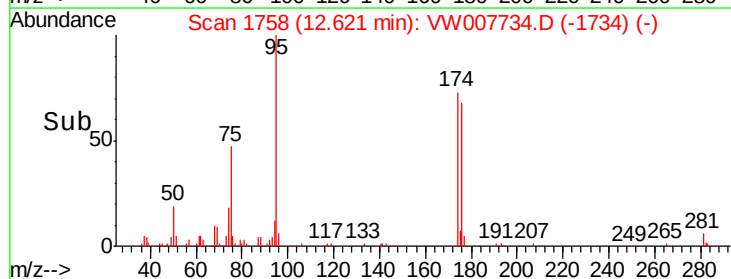
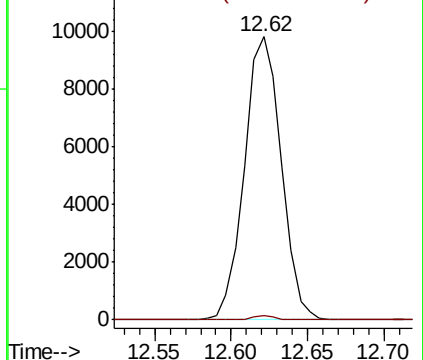
75 100

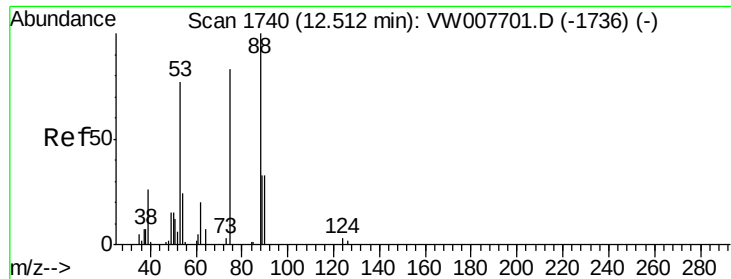
77 0.8 0.0 0.0#



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: 150.419 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007734.D

Acq: 20 Dec 2018 08:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-02RE

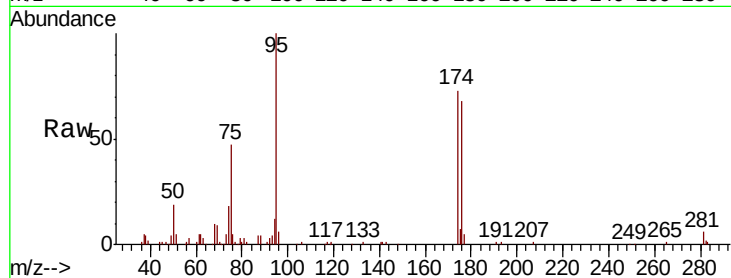
Tot Ion: 75 Resp: 16401

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#



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

