

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122118\
 Data File : VW007744.D
 Acq On : 20 Dec 2018 12:51
 Operator : SY/AP
 Sample : J6377-01
 Misc : 3.11G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD006-0006-02

Quant Time: Dec 20 13:53:37 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	42171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	61571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	32278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7055	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	25350	54.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.68%	
35) Dibromofluoromethane	7.88	113	20421	54.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.74%	
50) Toluene-d8	10.32	98	47471	33.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	67.04%	
62) 4-Bromofluorobenzene	12.62	95	8930	16.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	32.64%	

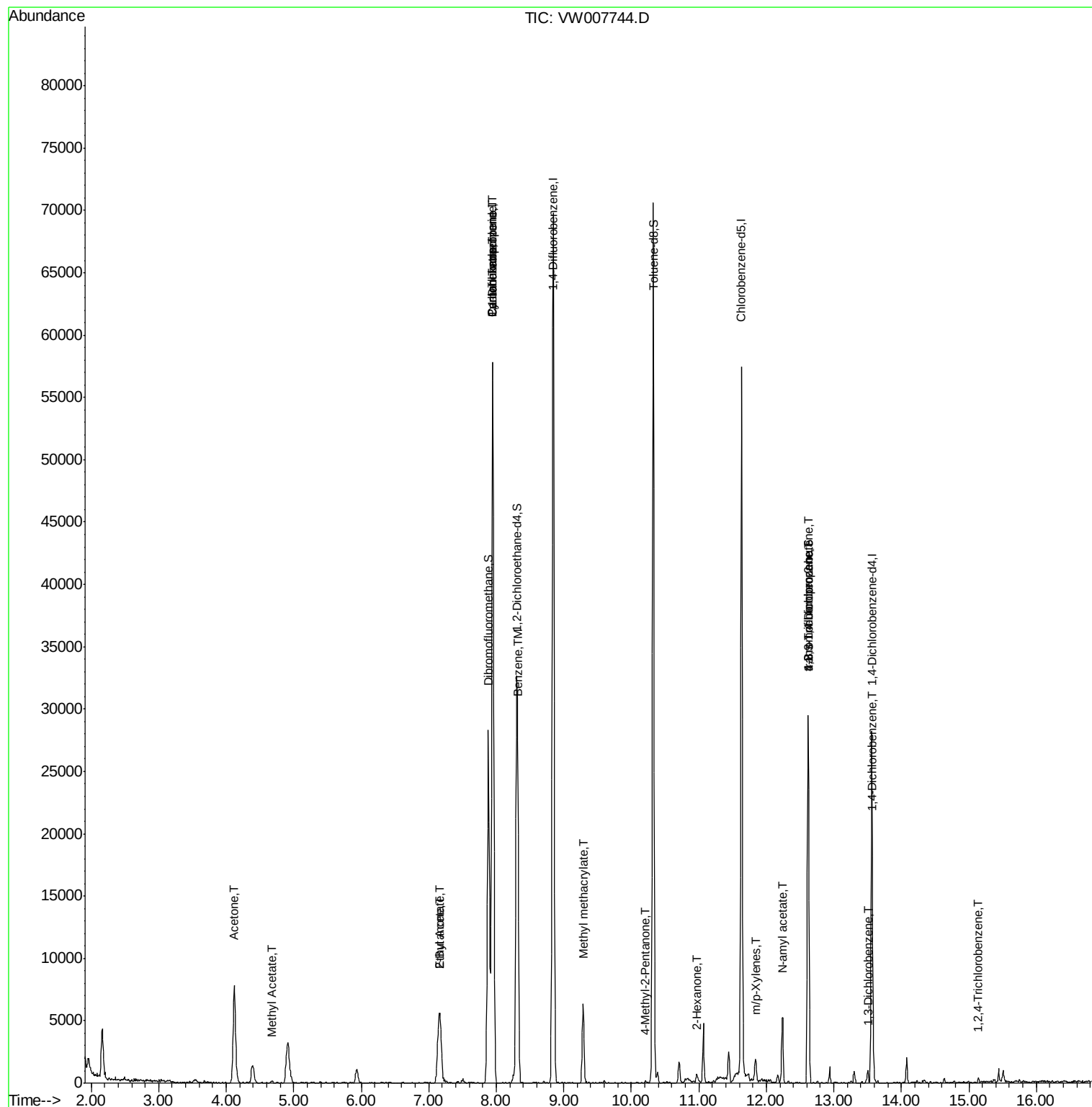
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	13218	152.714	ug/l	98
18) Methyl Acetate	4.67	43	319	1.550	ug/l #	46
25) 2-Butanone	7.17	43	6064	59.815	ug/l #	86
31) Cyclohexane	7.94	56	849	1.234	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	3225	5.427	ug/l #	47
37) Ethyl Acetate	7.17	43	6064	29.567	ug/l #	74
38) Carbon Tetrachloride	7.95	117	4640	6.630	ug/l #	14
40) Benzene	8.32	78	5771	3.639	ug/l	97
48) Methyl methacrylate	9.29	41	912	4.447	ug/l #	38
51) 4-Methyl-2-Pentanone	10.21	43	275	1.416	ug/l #	57
59) 2-Hexanone	10.97	43	406	2.973	ug/l	89
68) m/p-Xylenes	11.84	106	721	1.550	ug/l	90
74) N-amyl acetate	12.24	43	3269	35.390	ug/l #	44
76) 1,2,3-Trichloropropane	12.62	75	4481	82.177	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	4481	172.496	ug/l #	9
87) 1,3-Dichlorobenzene	13.50	146	597	2.460	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	1351	5.566	ug/l	91
93) 1,2,4-Trichlorobenzene	15.14	180	156	1.034	ug/l	78

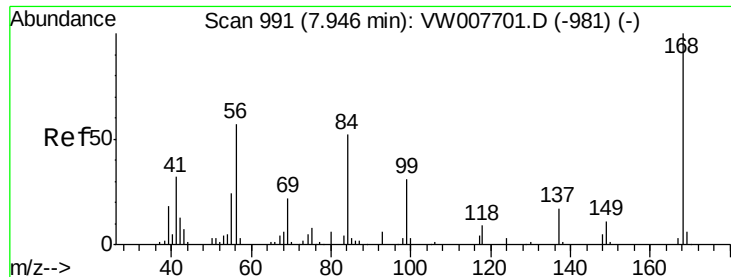
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007744.D

Acq: 20 Dec 2018 12:51

Instrument :

MSVOA_W

ClientSampleId :

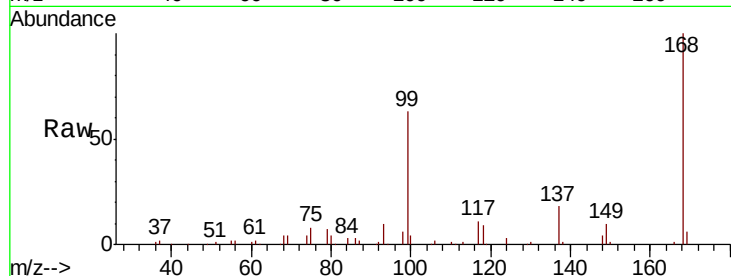
P001-SD006-0006-02

Tot Ion:168 Resp: 42171

Ion Ratio Lower Upper

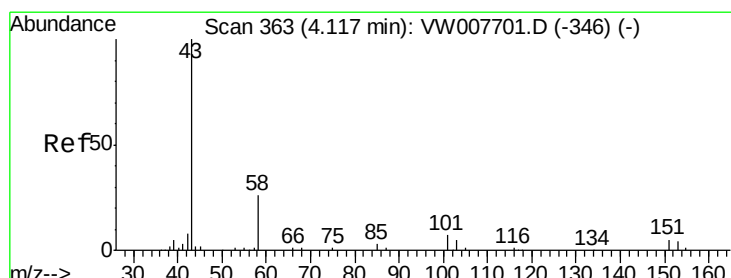
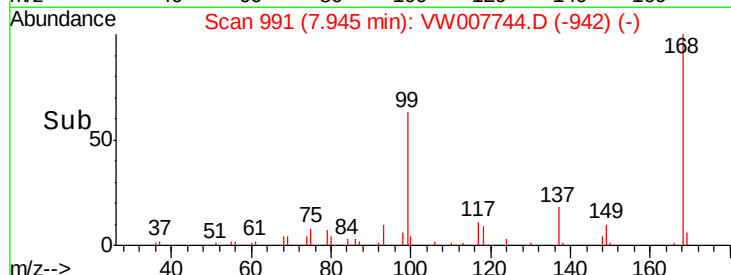
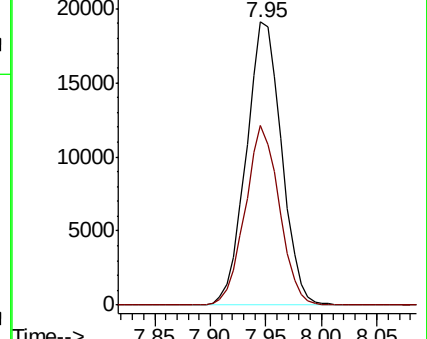
168 100

99 63.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 152.714 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007744.D

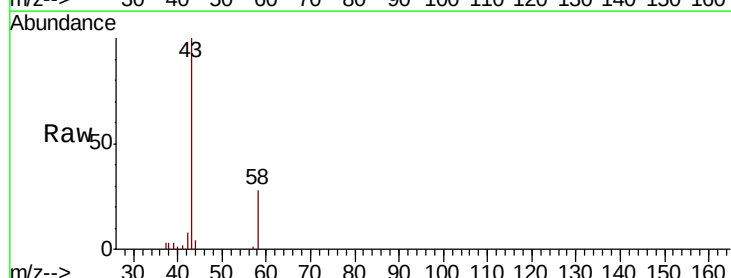
Acq: 20 Dec 2018 12:51

Tgt Ion: 43 Resp: 13218

Ion Ratio Lower Upper

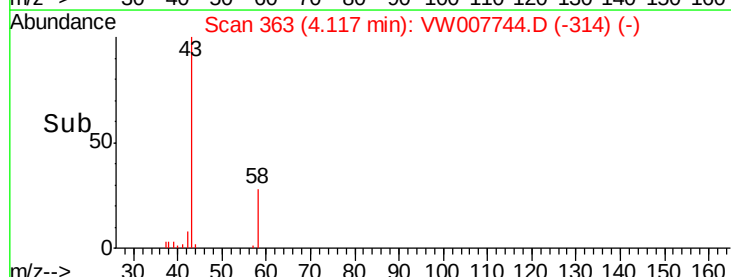
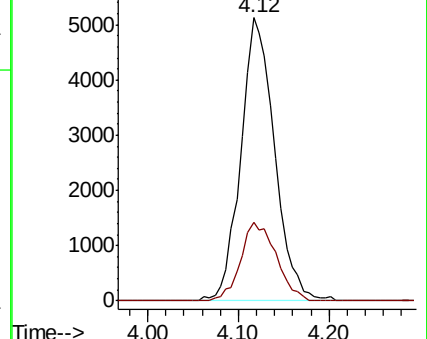
43 100

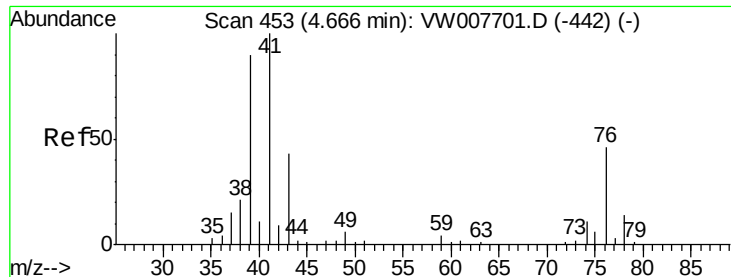
58 27.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

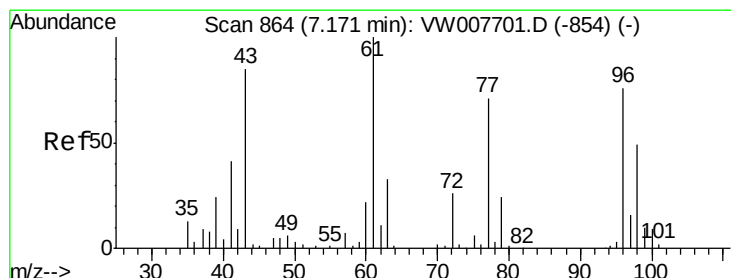
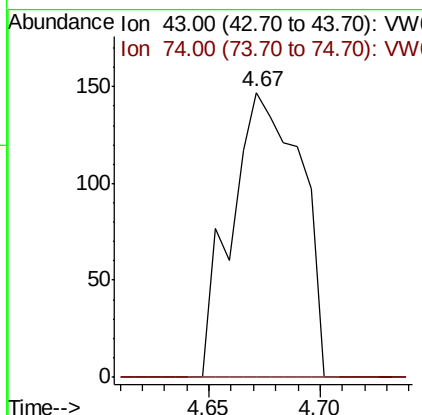
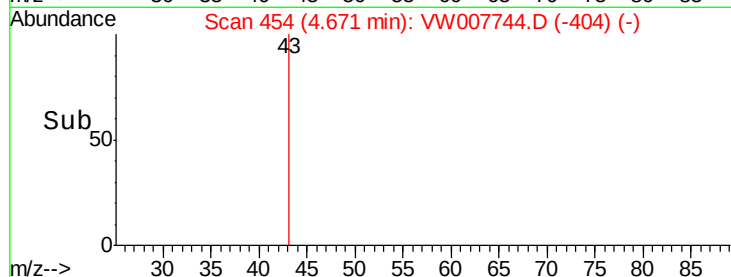
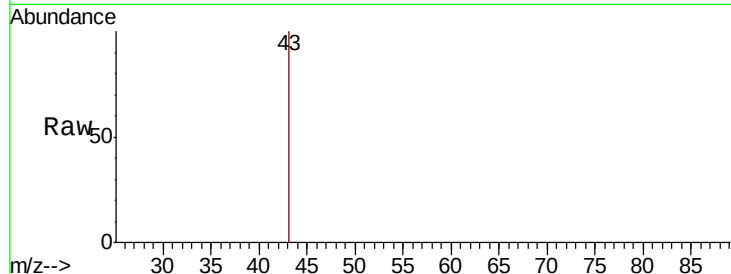




#18
Methyl Acetate
Concen: 1.550 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

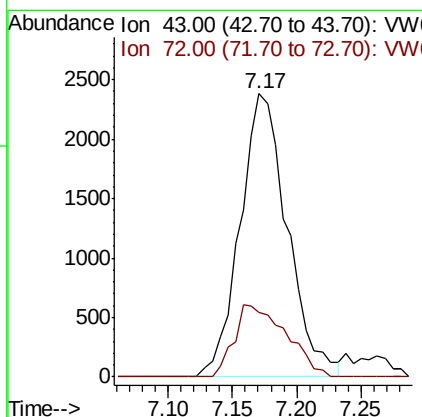
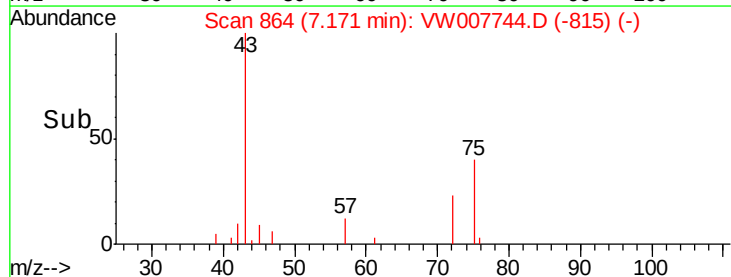
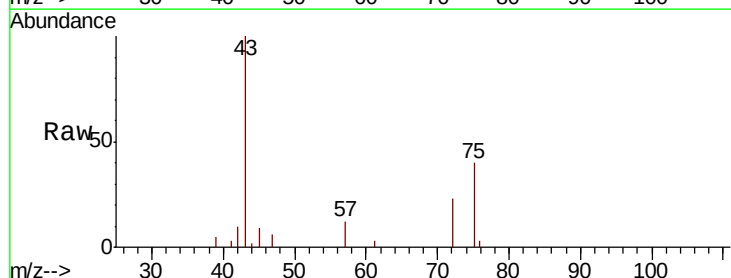
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MSVOA_W
ClientSampleId :
P001-SD006-0006-02

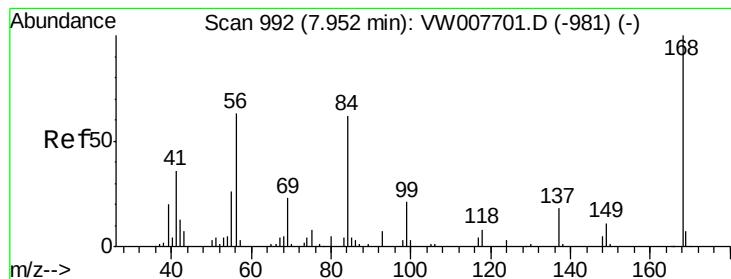
Tot Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 22.7 34.1#



#25
2-Butanone
Concen: 59.815 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

Tgt Ion: 43 Resp: 6064
Ion Ratio Lower Upper
43 100
72 23.0 24.5 36.7#





#31

Cyclohexane

Concen: 1.234 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

Instrument :

MSVOA_W

ClientSampleId :

P001-SD006-0006-02

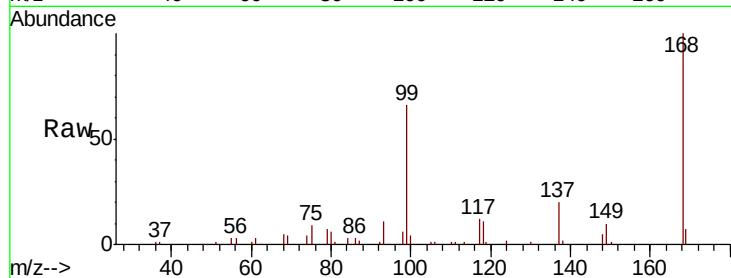
Tot Ion: 56 Resp: 849

Ion Ratio Lower Upper

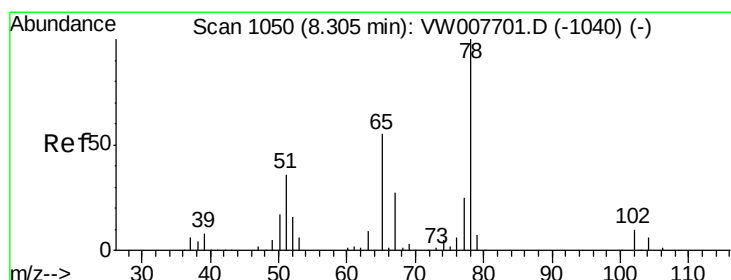
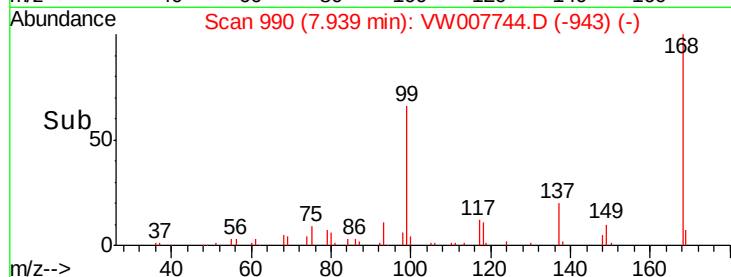
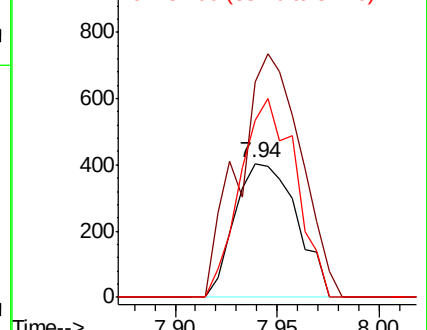
56 100

69 161.4 29.7 44.5#

84 132.7 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: 54.845 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW007744.D

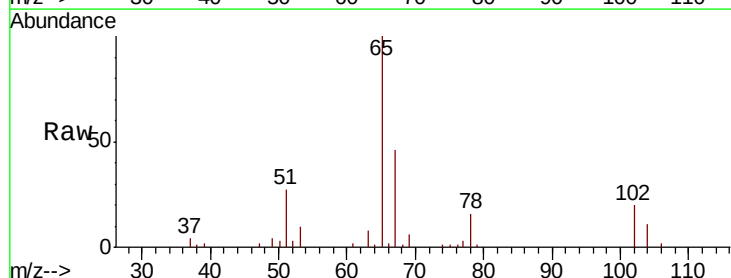
Acq: 20 Dec 2018 12:51

Tgt Ion: 65 Resp: 25350

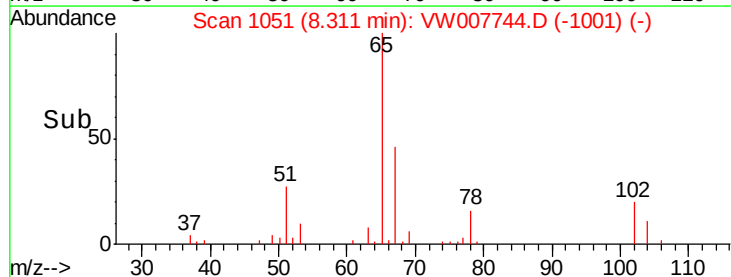
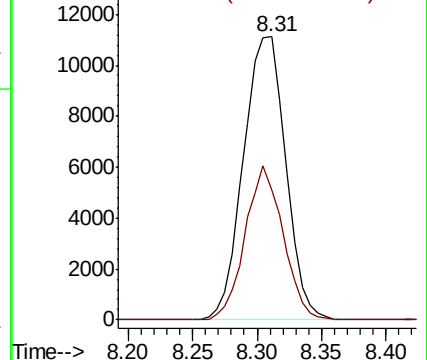
Ion Ratio Lower Upper

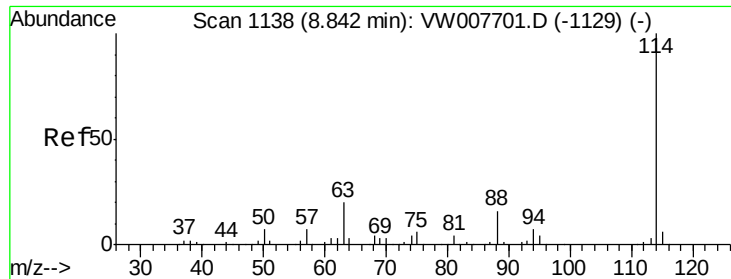
65 100

67 48.6 0.0 100.6



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

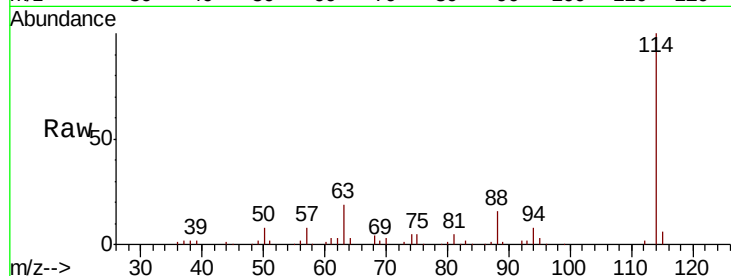




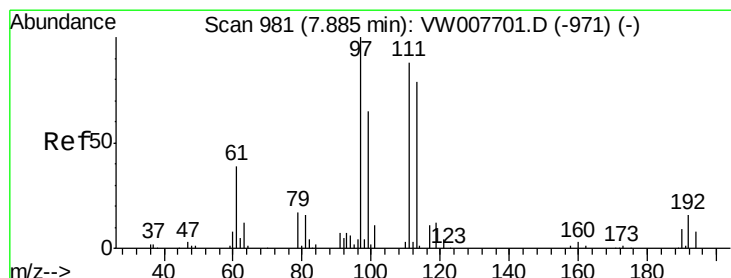
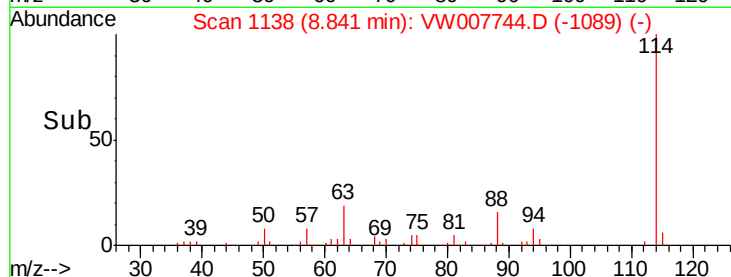
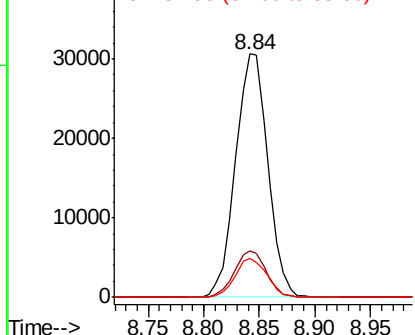
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007744.D
 Acq: 20 Dec 2018 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD006-0006-02

Tot Ion:114 Resp: 61571
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.8 0.0 32.6

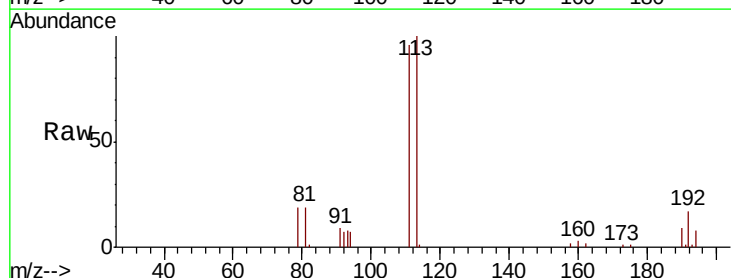


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

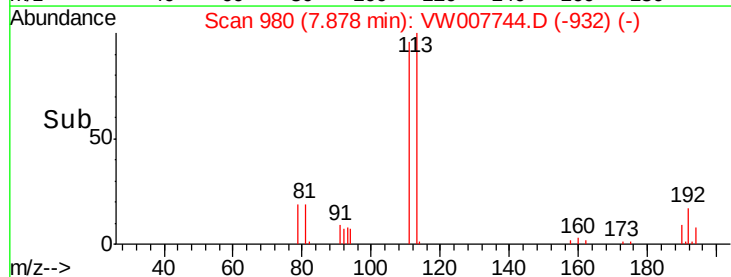
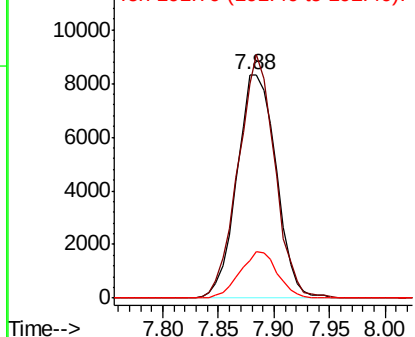


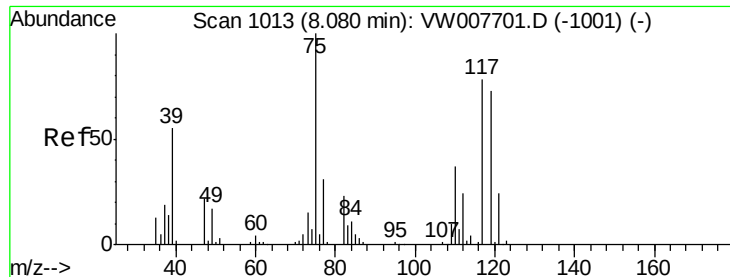
#35
 Dibromofluoromethane
 Concen: 54.367 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007744.D
 Acq: 20 Dec 2018 12:51

Tgt Ion:113 Resp: 20421
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 124.0
 192 19.7 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

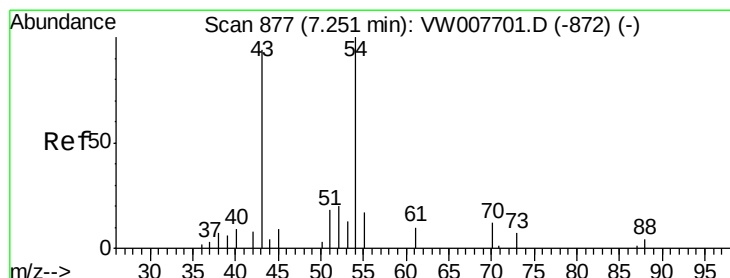
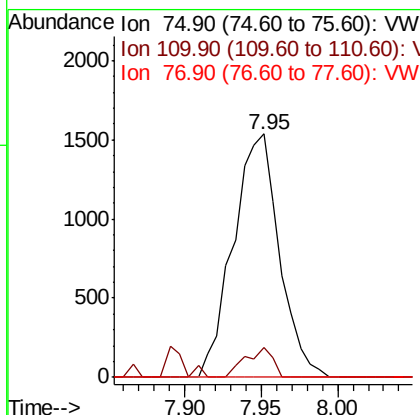
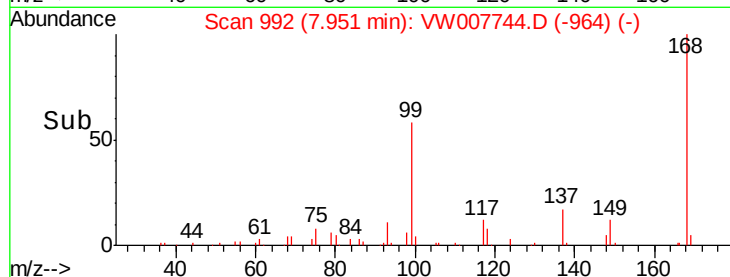
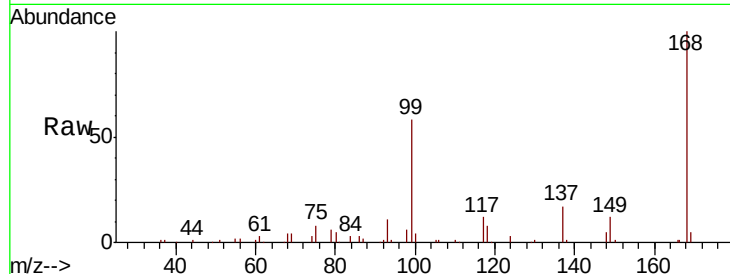




#36
 1,1-Dichloropropene
 Concen: 5.427 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007744.D
 Acq: 20 Dec 2018 12:51

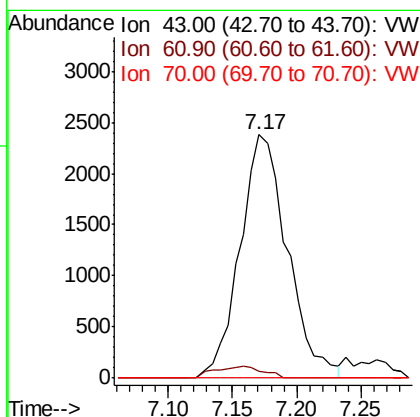
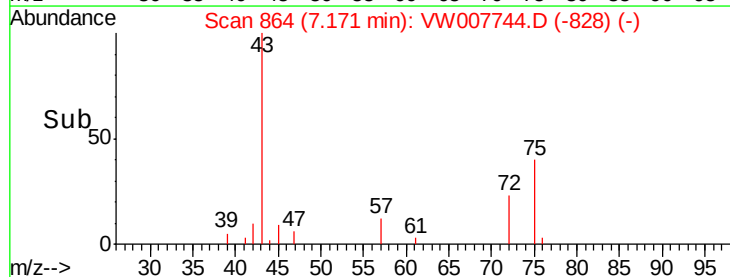
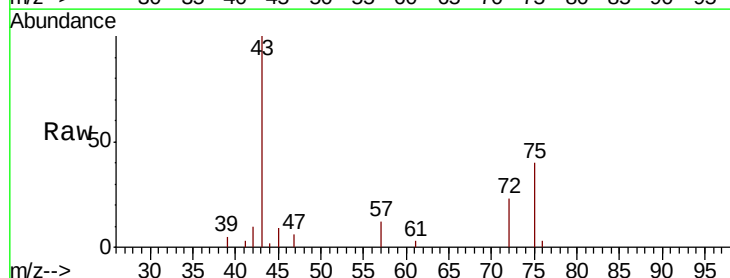
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD006-0006-02

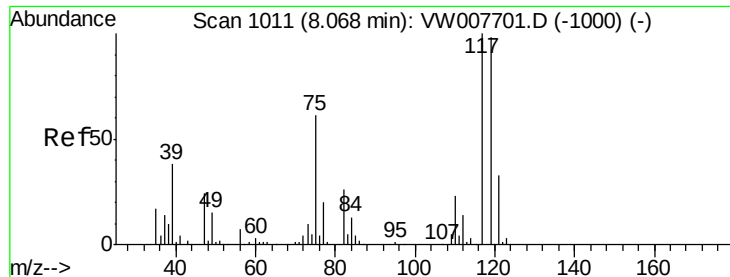
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.6	55.8#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 29.567 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW007744.D
 Acq: 20 Dec 2018 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.9	11.2	16.8#
70	0.0	9.3	13.9#

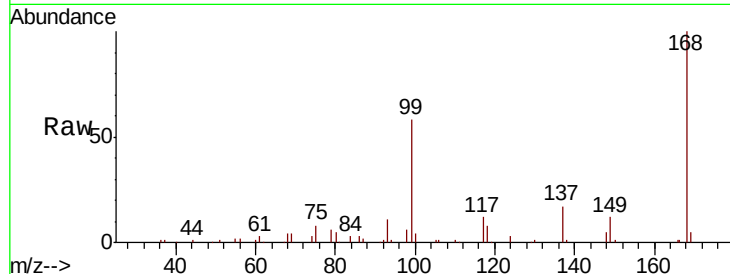




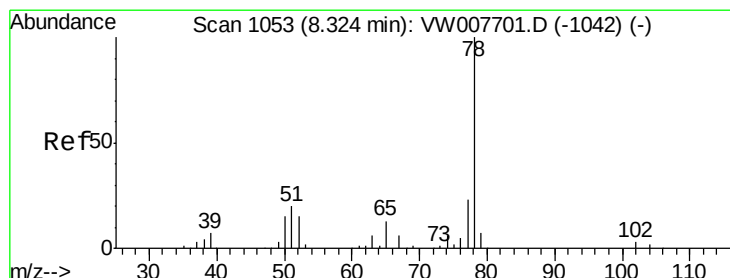
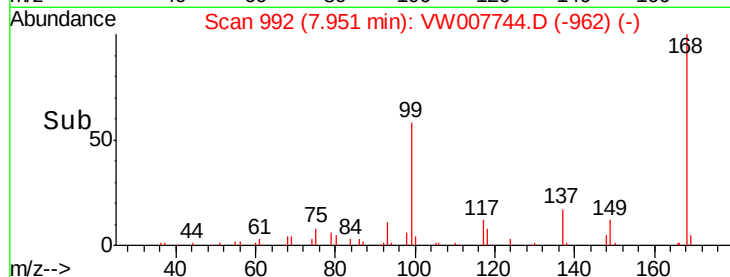
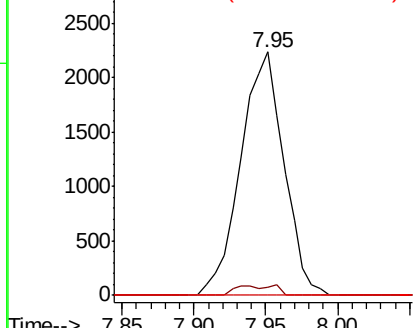
#38
Carbon Tetrachloride
Concen: 6.630 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

Instrument :
MSVOA_W
ClientSampleId :
P001-SD006-0006-02

Tot Ion:117 Resp: 4640
Ion Ratio Lower Upper
117 100
119 3.4 78.2 117.2#
121 0.0 26.1 39.1#

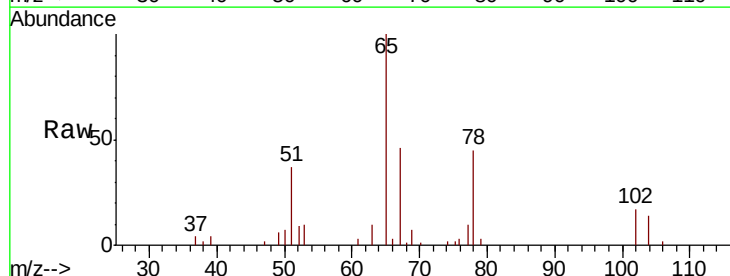


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

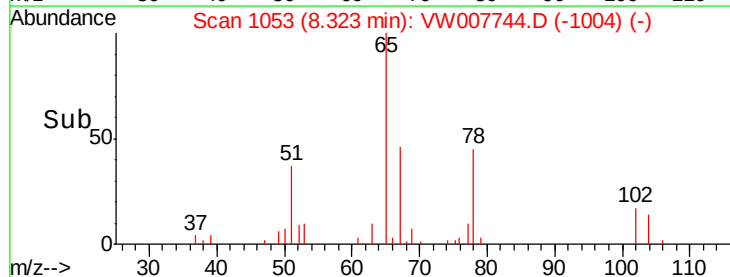
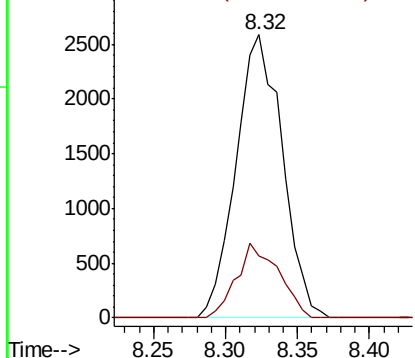


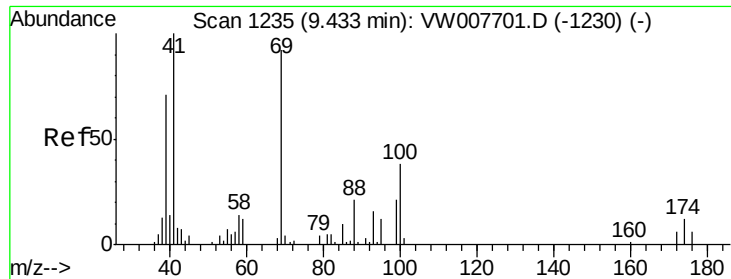
#40
Benzene
Concen: 3.639 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

Tgt Ion: 78 Resp: 5771
Ion Ratio Lower Upper
78 100
77 21.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

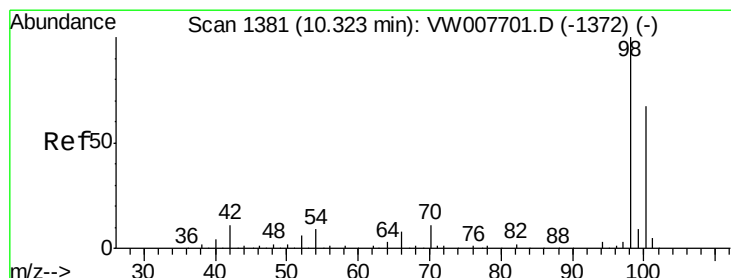
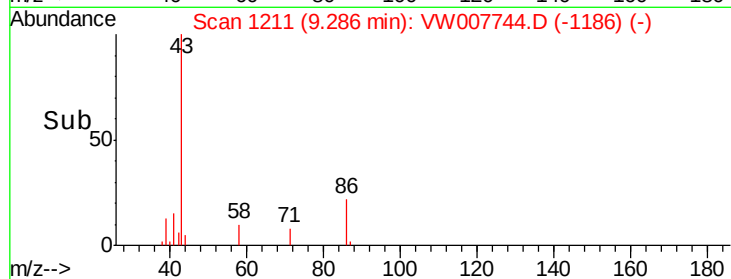
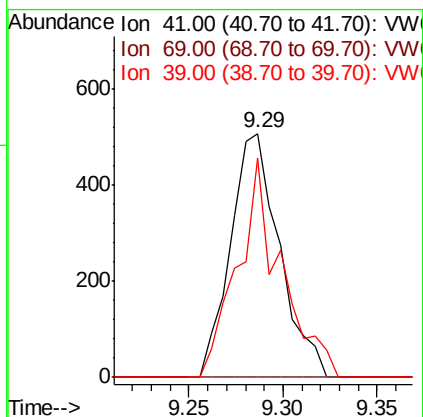
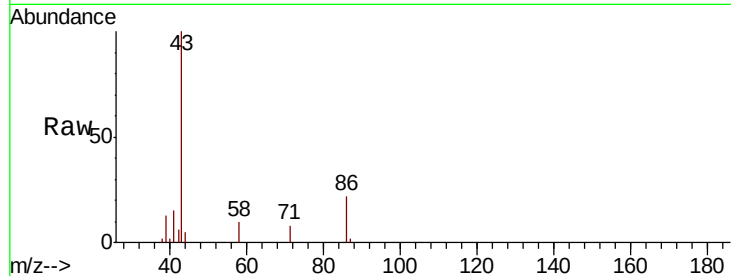




#48
Methvl methacrylate
Concen: 4.447 ug/l
RT: 9.29 min Scan# 1211
Delta R.T. -0.15 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

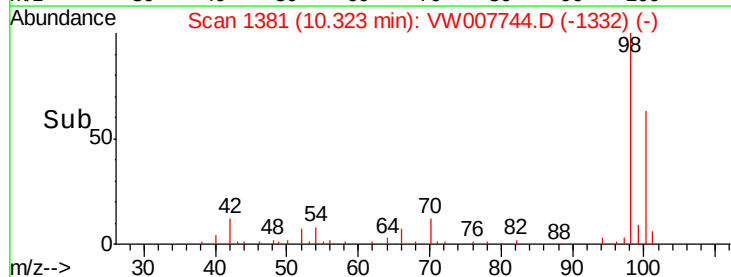
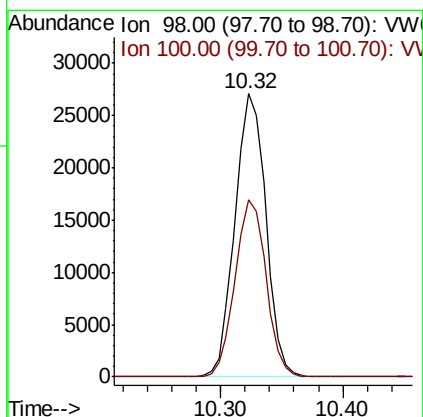
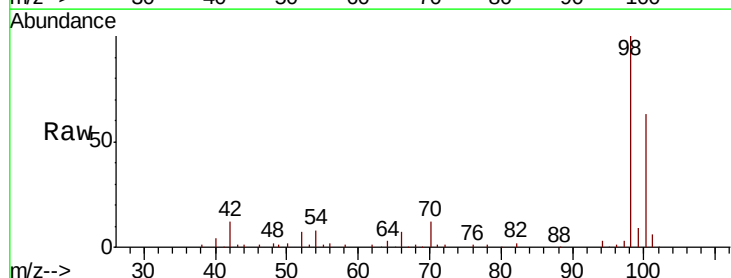
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ClientSampleId :
P001-SD006-0006-02

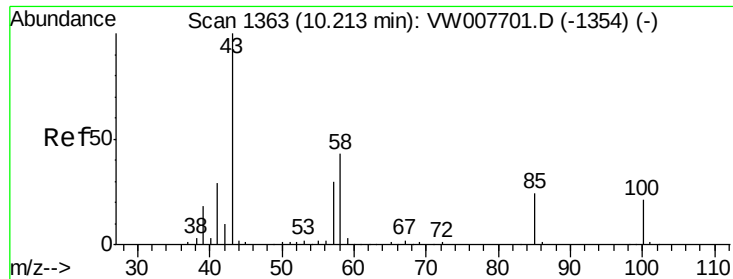
Tot Ion: 41 Resp: 912
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 79.7 53.9 80.9



#50
Toluene-d8
Concen: 33.524 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

Tgt Ion: 98 Resp: 47471
Ion Ratio Lower Upper
98 100
100 62.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.416 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

Instrument :

MSVOA_W

ClientSampleId :

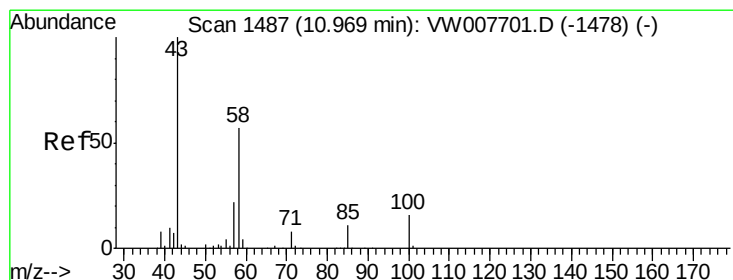
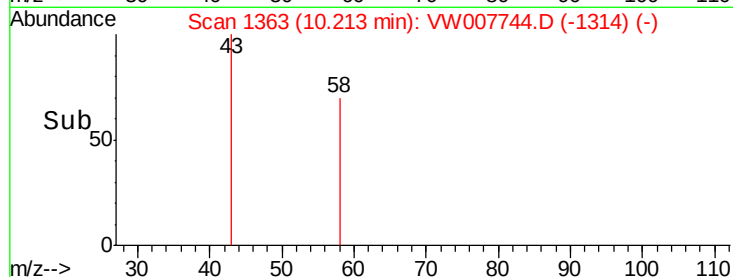
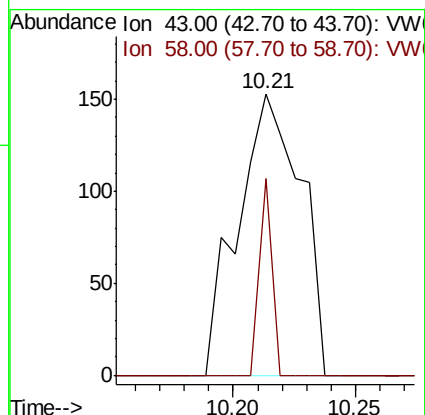
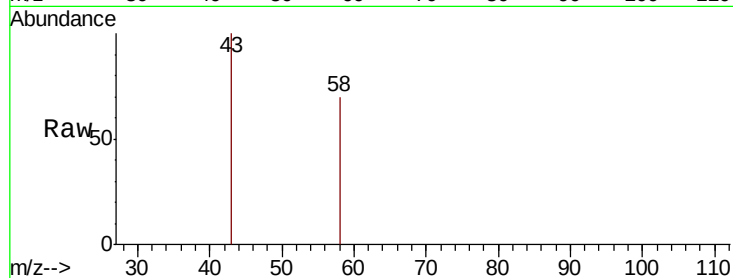
P001-SD006-0006-02

Tot Ion: 43 Resp: 275

Ion Ratio Lower Upper

43 100

58 14.2 33.2 49.8#



#59

2-Hexanone

Concen: 2.973 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007744.D

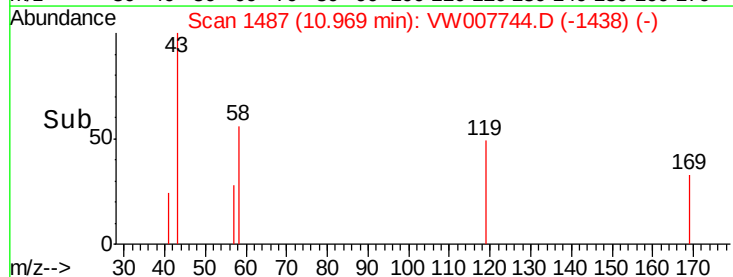
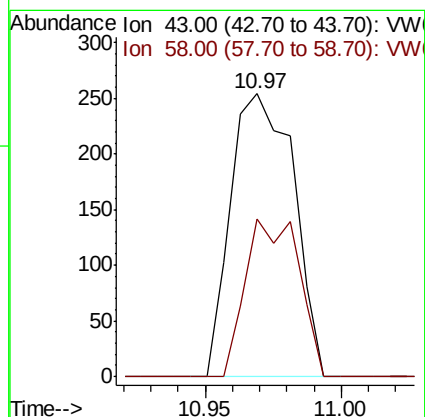
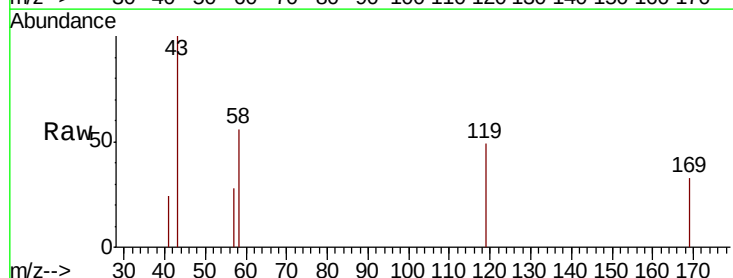
Acq: 20 Dec 2018 12:51

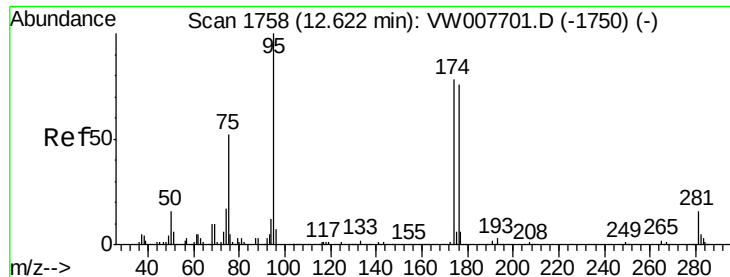
Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

58 47.5 27.7 83.1

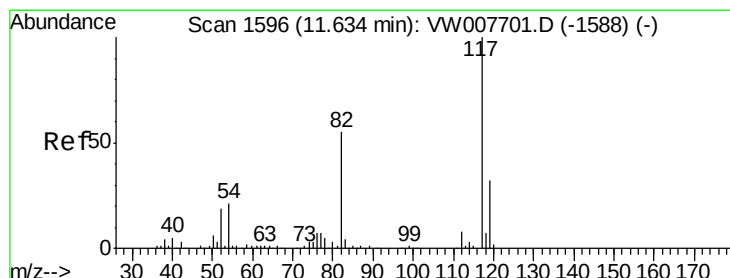
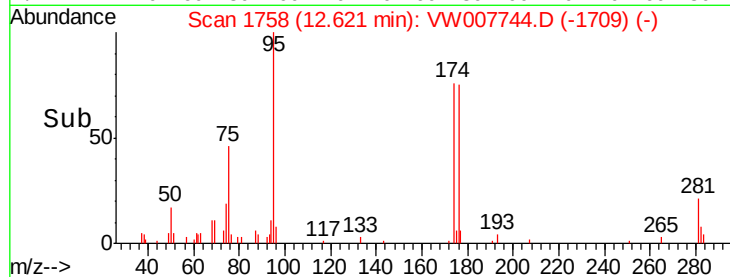
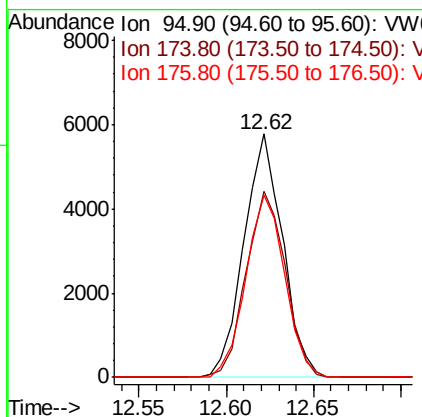
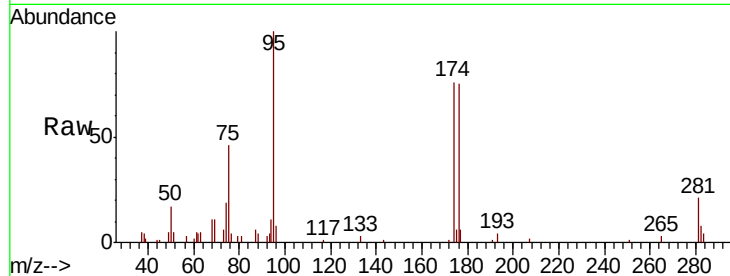




#62
4-Bromofluorobenzene
Concen: 16.324 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

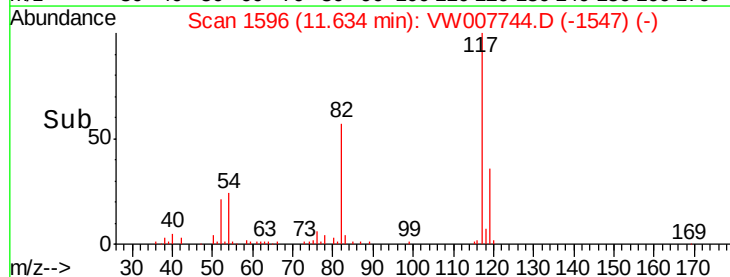
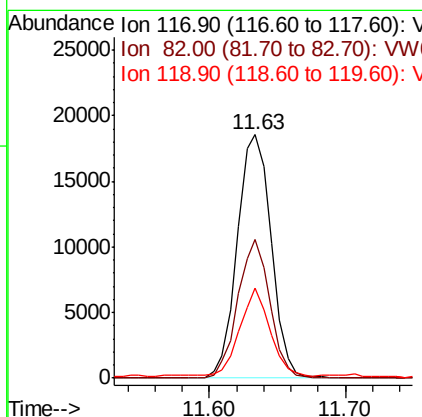
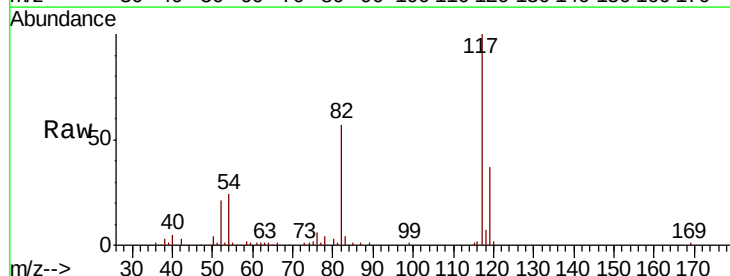
Instrument :
MSVOA_W
ClientSampleId :
P001-SD006-0006-02

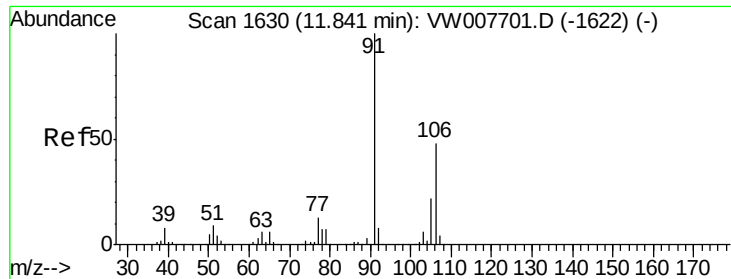
Tot Ion: 95 Resp: 8930
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.2
176 75.5 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007744.D
Acq: 20 Dec 2018 12:51

Tgt Ion: 117 Resp: 32278
Ion Ratio Lower Upper
117 100
82 56.7 44.3 66.5
119 35.7 25.7 38.5





#68

m/p-Xylenes

Concen: 1.550 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

Instrument :

MSVOA_W

ClientSampleId :

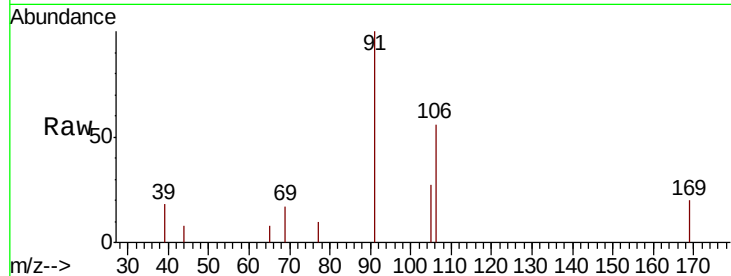
P001-SD006-0006-02

Tot Ion:106 Resp: 721

Ion Ratio Lower Upper

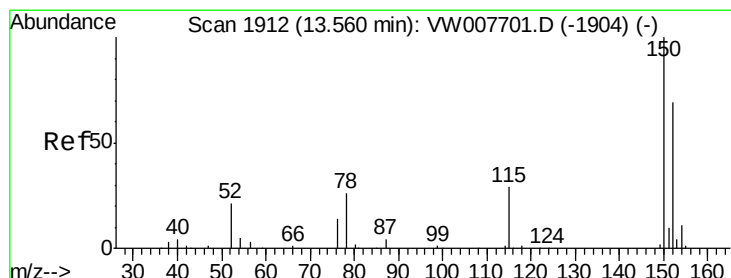
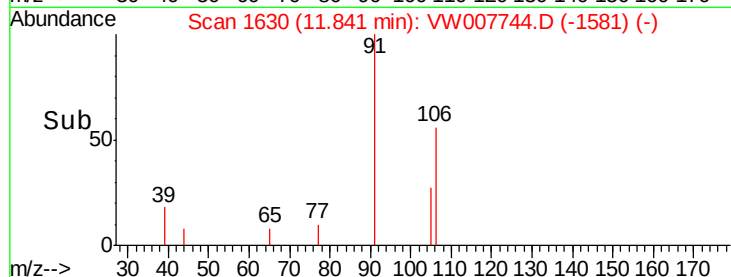
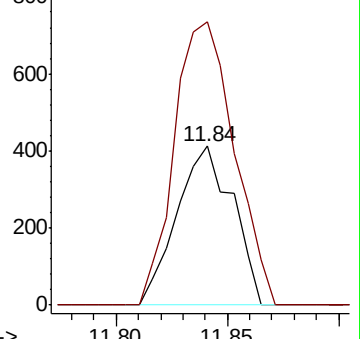
106 100

91 190.8 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

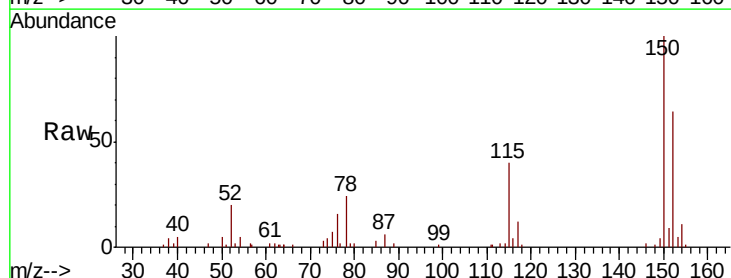
Tgt Ion:152 Resp: 7055

Ion Ratio Lower Upper

152 100

115 60.1 31.8 95.4

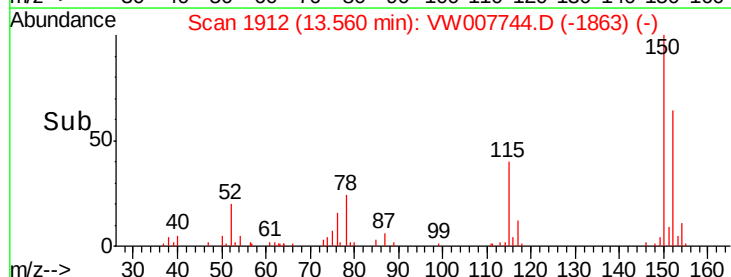
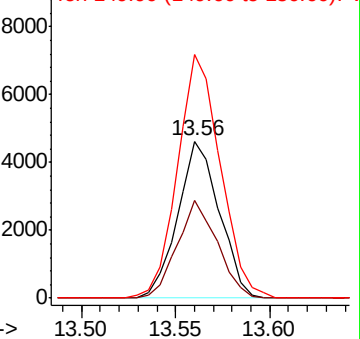
150 159.6 0.0 350.8

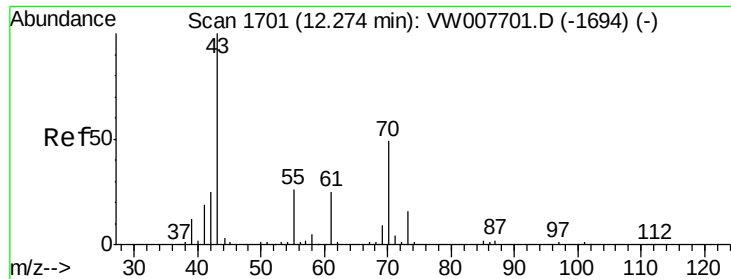


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 35.390 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

Instrument :

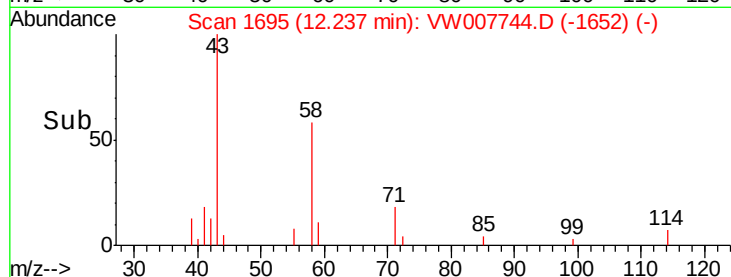
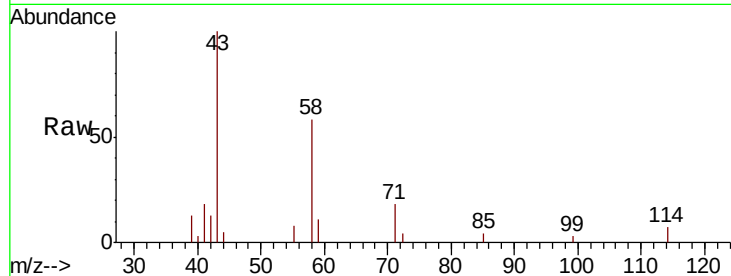
MSVOA_W

ClientSampleId :

P001-SD006-0006-02

Tot Ion: 43 Resp: 3269

Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	8.4	21.7	32.5#
61	0.0	20.1	30.1#

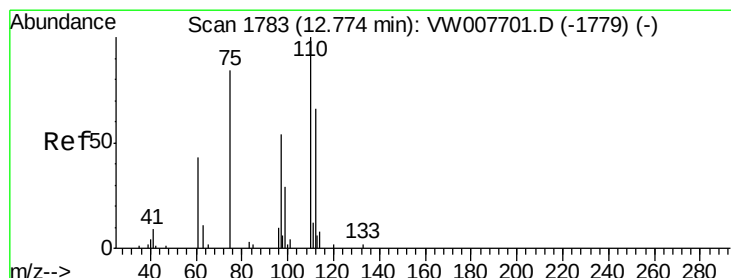


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 82.177 ug/l

RT: 12.62 min Scan# 1758

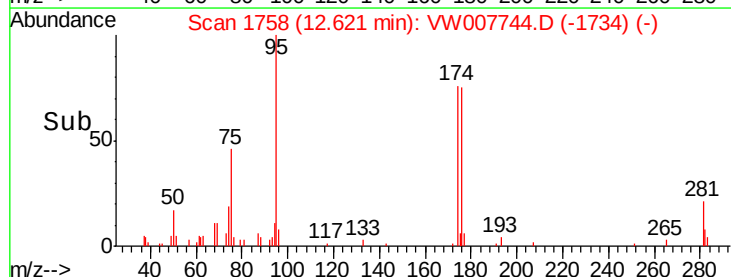
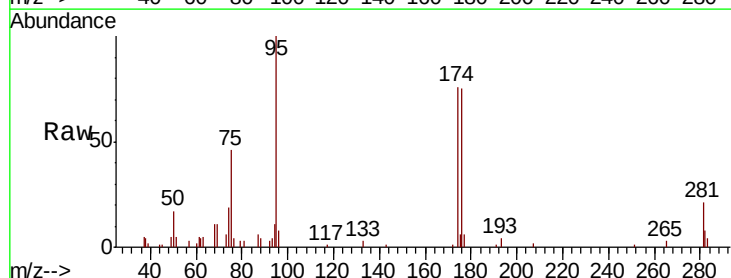
Delta R.T. -0.15 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

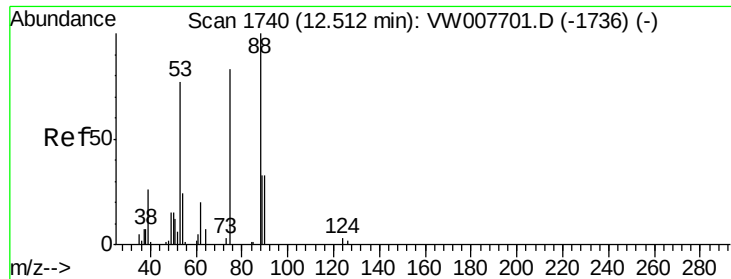
Tgt Ion: 75 Resp: 4481

Ion	Ratio	Lower	Upper
75	100		
77	0.0	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: 172.496 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

Instrument :

MSVOA_W

ClientSampleId :

P001-SD006-0006-02

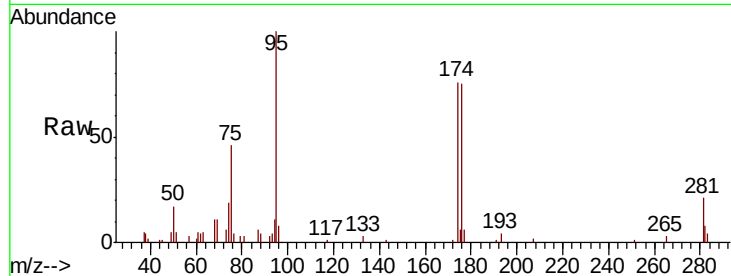
Tot Ion: 75 Resp: 4481

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

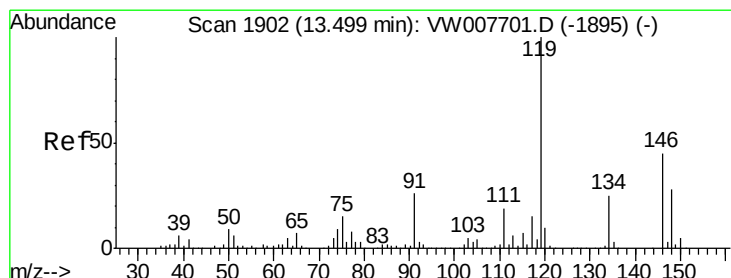
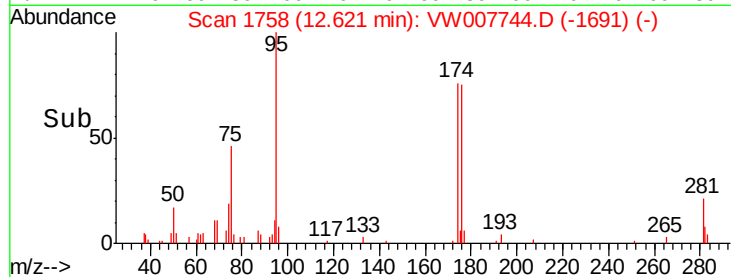
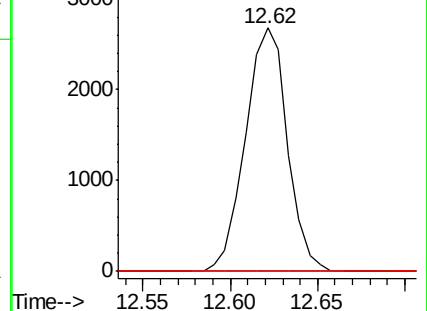
89 0.0 39.2 58.8#



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



#87

1,3-Dichlorobenzene

Concen: 2.460 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

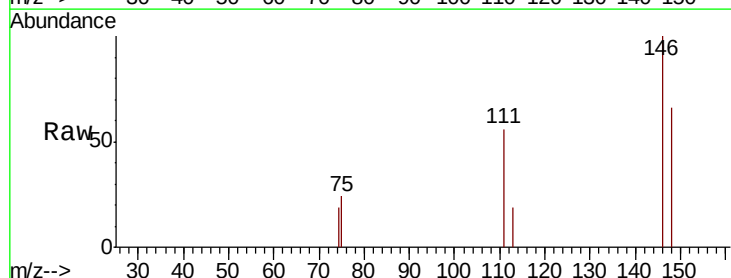
Tgt Ion: 146 Resp: 597

Ion Ratio Lower Upper

146 100

111 45.9 21.1 63.4

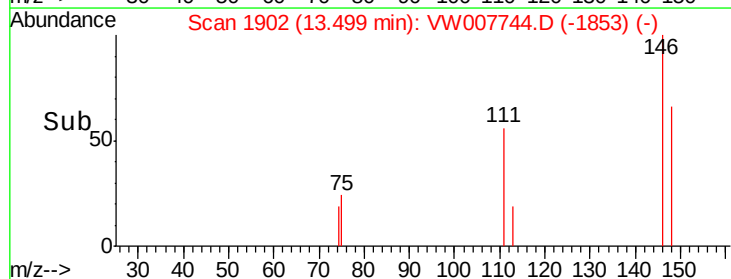
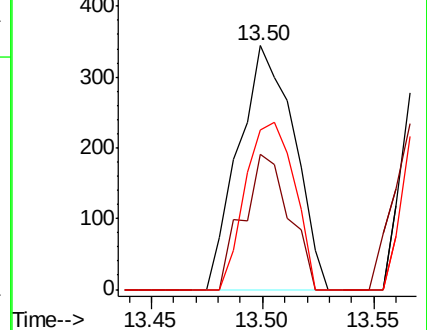
148 60.6 32.1 96.5

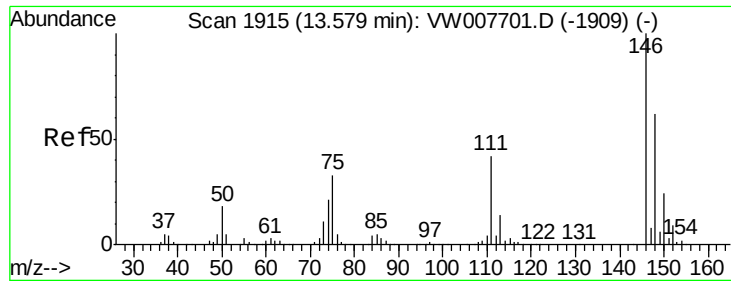


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 5.566 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

Instrument :

MSVOA_W

ClientSampleId :

P001-SD006-0006-02

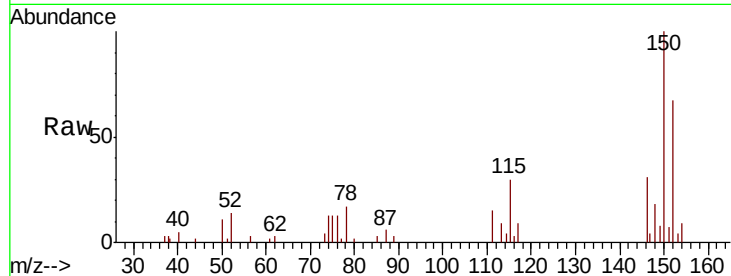
Tot Ion:146 Resp: 1351

Ion Ratio Lower Upper

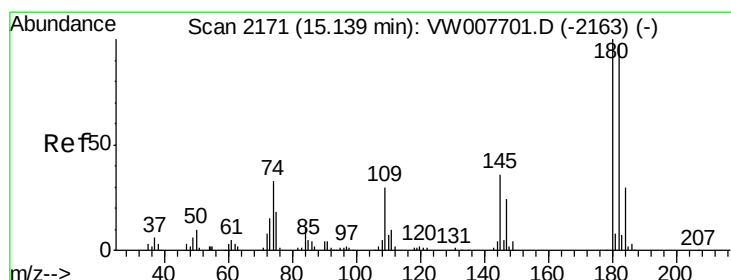
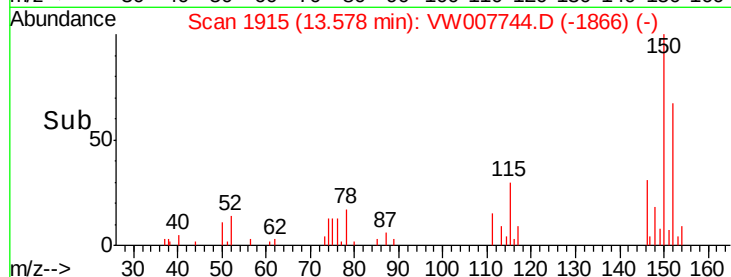
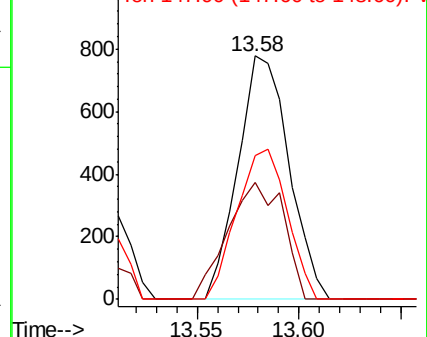
146 100

111 52.3 21.0 63.0

148 60.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 1.034 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007744.D

Acq: 20 Dec 2018 12:51

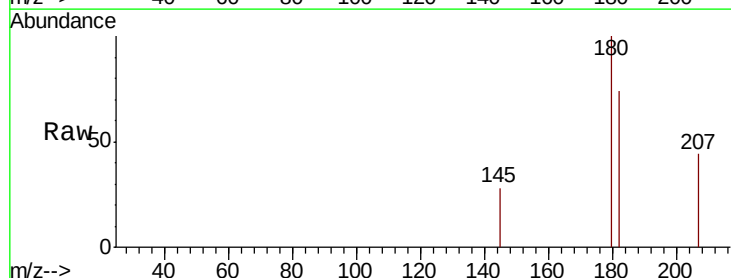
Tgt Ion:180 Resp: 156

Ion Ratio Lower Upper

180 100

182 118.6 47.5 142.6

145 25.0 17.5 52.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

