

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007252.D
 Acq On : 06 Dec 2018 00:17
 Operator : SY/AP
 Sample : J6208-03RE
 Misc : 5.93G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1RE

Quant Time: Dec 06 06:25:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

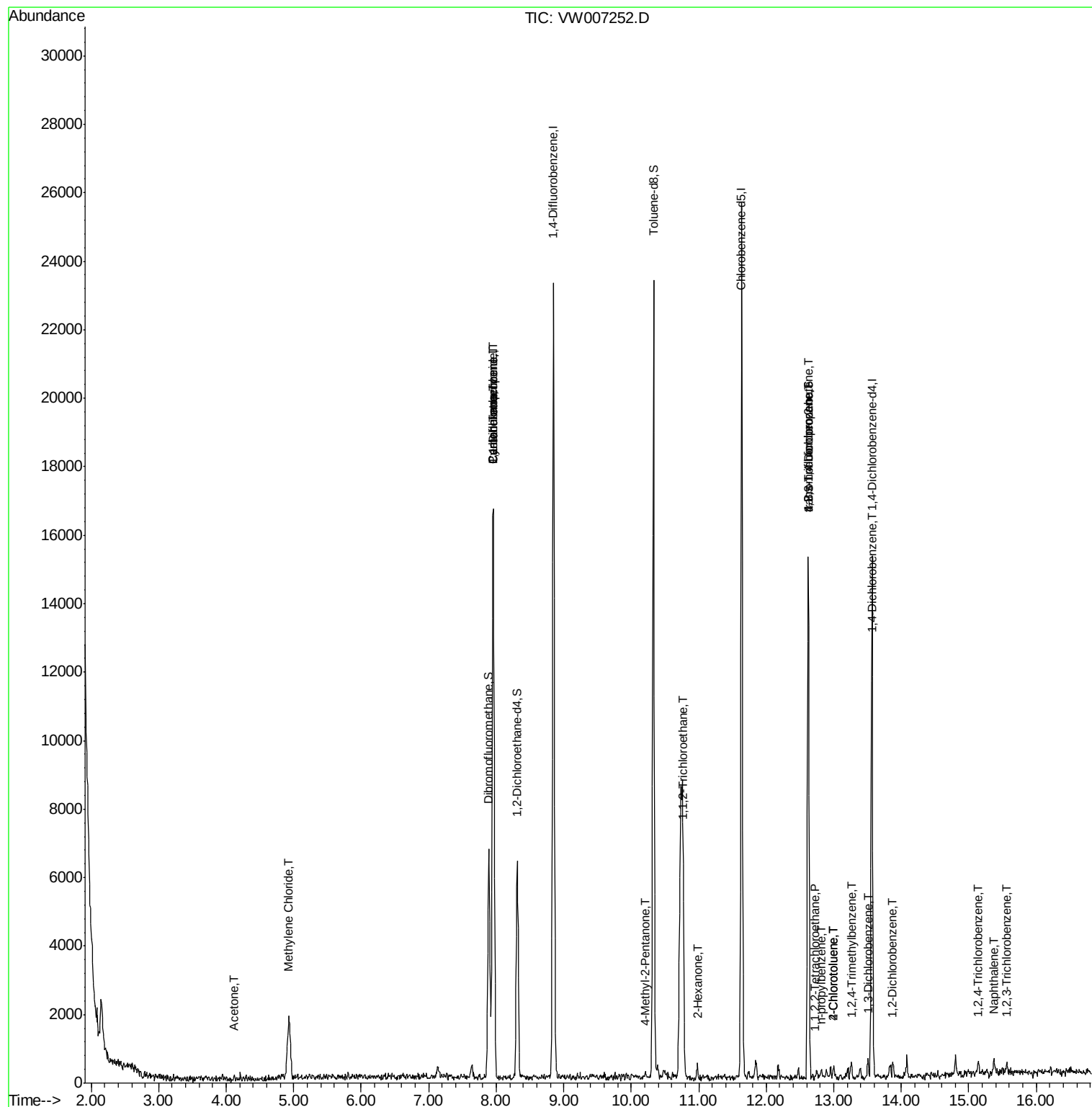
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	12183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	20049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	14179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	4299	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	5176	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	7.89	113	4946	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	
50) Toluene-d8	10.33	98	16122	31.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.76%	
62) 4-Bromofluorobenzene	12.62	95	4886	25.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.20%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	42	1.564	ug/l #	45
20) Methylene Chloride	4.93	84	1599	7.379	ug/l #	83
31) Cyclohexane	7.96	56	255	1.133	ug/l #	47
36) 1,1-Dichloropropene	7.96	75	996	5.106	ug/l #	41
38) Carbon Tetrachloride	7.96	117	1397	7.016	ug/l #	13
51) 4-Methyl-2-Pentanone	10.21	43	174	2.576	ug/l #	35
55) 1,1,2-Trichloroethane	10.77	97	101	1.098	ug/l #	15
59) 2-Hexanone	10.98	43	215	4.391	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	55	1.211	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	2274	68.314	ug/l #	100
78) n-propylbenzene	12.82	91	472	1.133	ug/l #	50
79) 2-Chlorotoluene	12.99	91	389	1.654	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.62	75	2274	147.241	ug/l #	13
82) 4-Chlorotoluene	12.99	91	389	1.554	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.26	105	455	1.490	ug/l	81
87) 1,3-Dichlorobenzene	13.51	146	243	1.568	ug/l	75
88) 1,4-Dichlorobenzene	13.58	146	290	1.853	ug/l	88
91) 1,2-Dichlorobenzene	13.88	146	294	2.192	ug/l	80
93) 1,2,4-Trichlorobenzene	15.13	180	246	2.647	ug/l #	84
95) Naphthalene	15.37	128	596	3.578	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.57	180	161	2.054	ug/l #	58

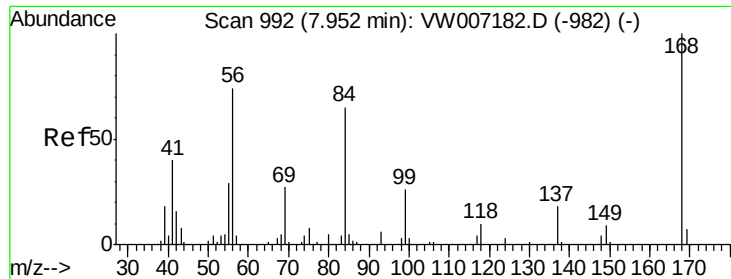
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Instrument :

MSVOA_W

ClientSampled :

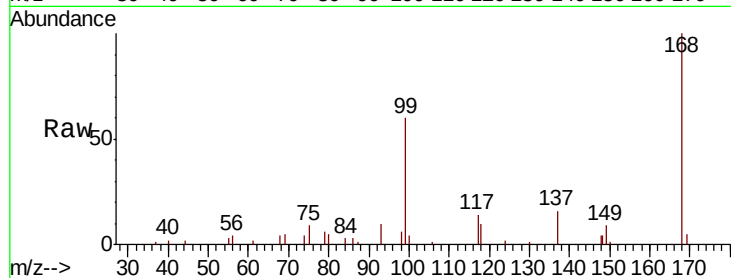
TP-1RE

Tot Ion:168 Resp: 12183

Ion Ratio Lower Upper

168 100

99 59.6 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

6000

5000

4000

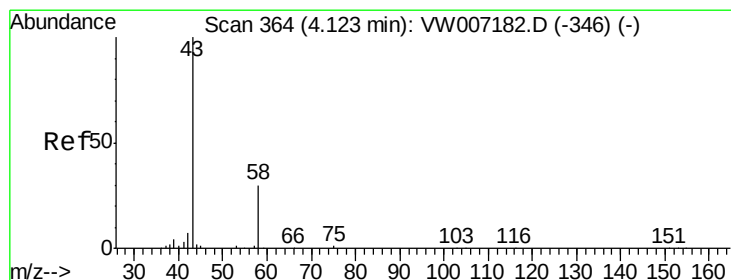
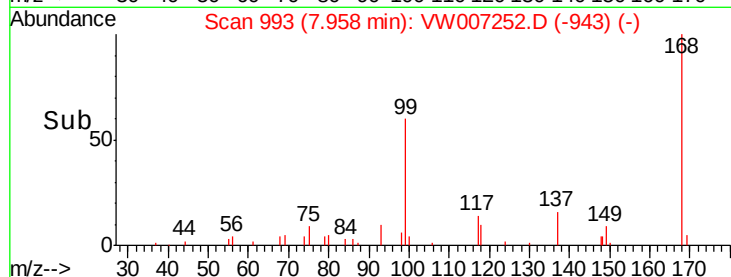
3000

2000

1000

0

Time-->



#16

Acetone

Concen: 1.564 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW007252.D

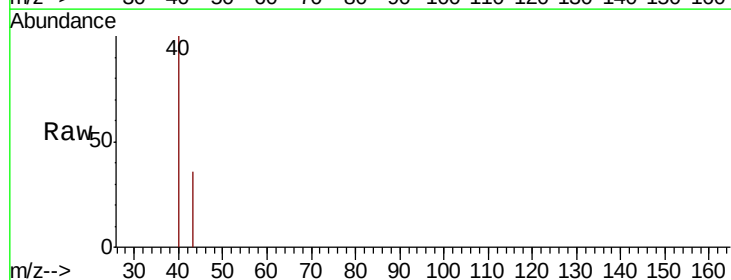
Acq: 06 Dec 2018 00:17

Tgt Ion: 43 Resp: 42

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

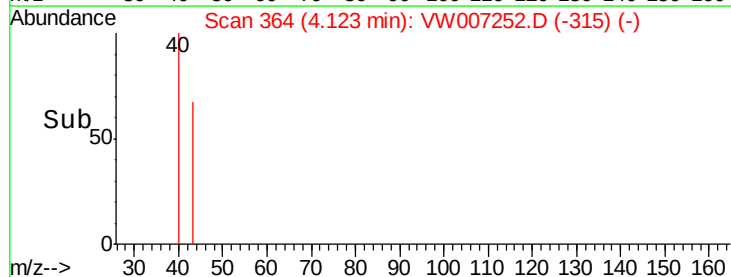
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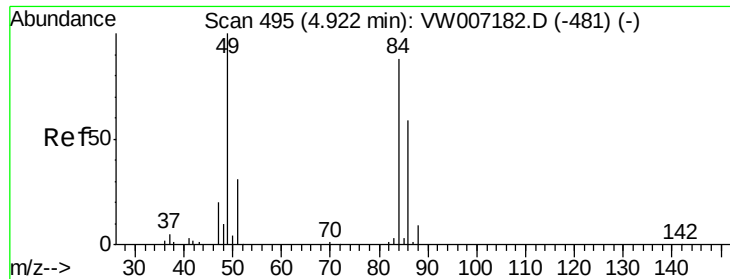
40

20

0

Time-->

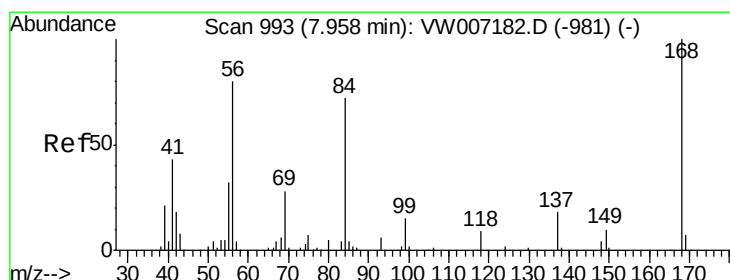
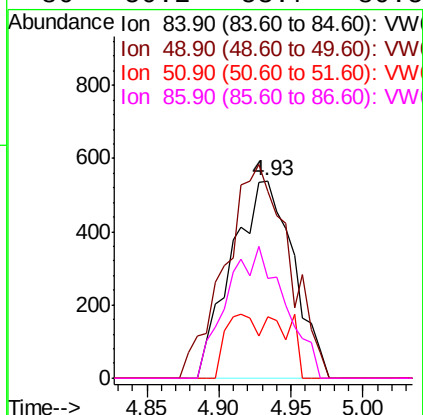
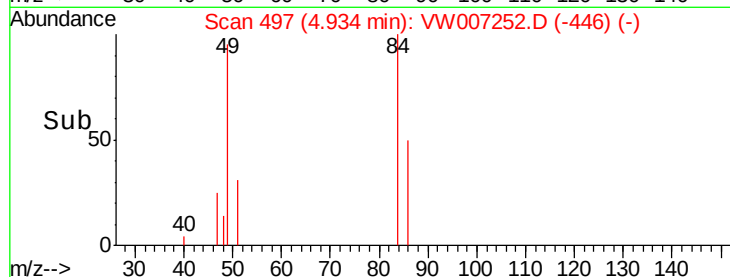
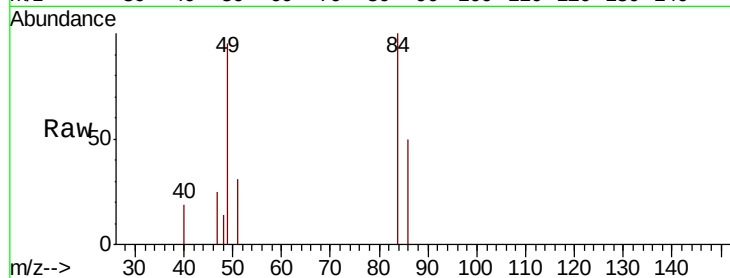




#20
Methvlene Chloride
Concen: 7.379 ug/l
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW007252.D
Acq: 06 Dec 2018 00:17

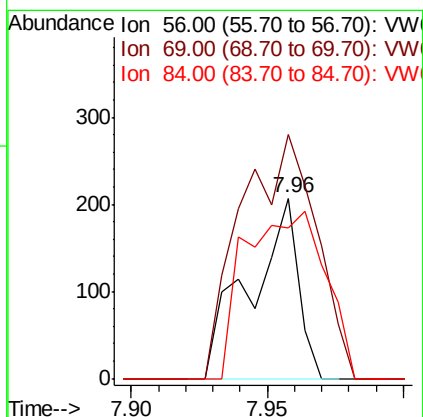
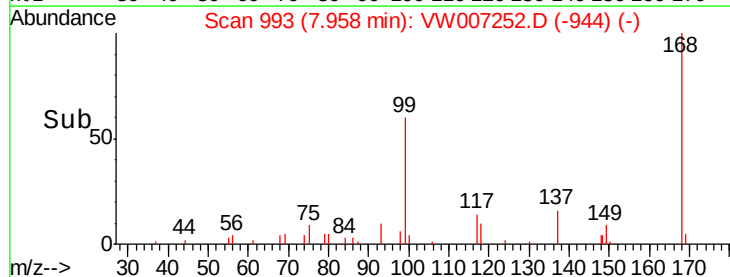
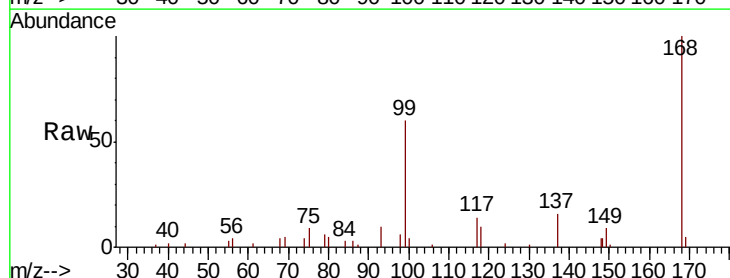
Instrument :
MSVOA_W
ClientSampleId :
TP-1RE

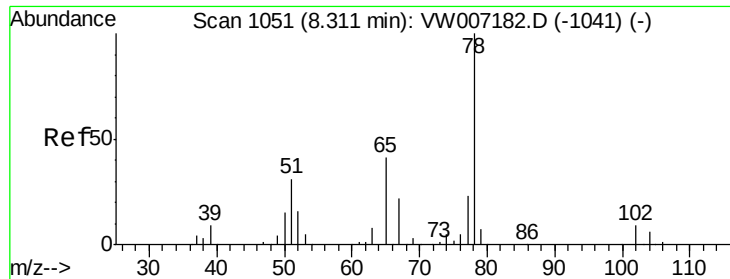
Tot Ion: 84 Resp: 1599
Ion Ratio Lower Upper
84 100
49 94.8 90.6 135.8
51 30.7 27.6 41.4
86 50.2 53.7 80.5#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007252.D
Acq: 06 Dec 2018 00:17

Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
69 135.3 28.2 42.2#
84 83.6 72.1 108.1

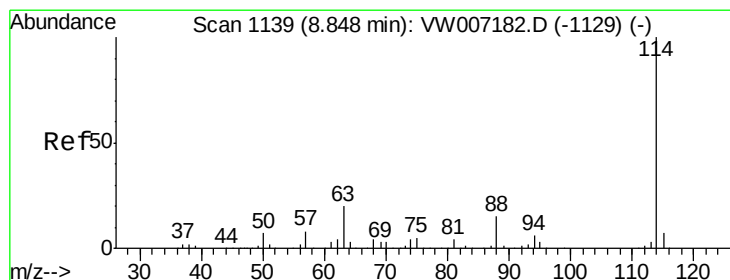
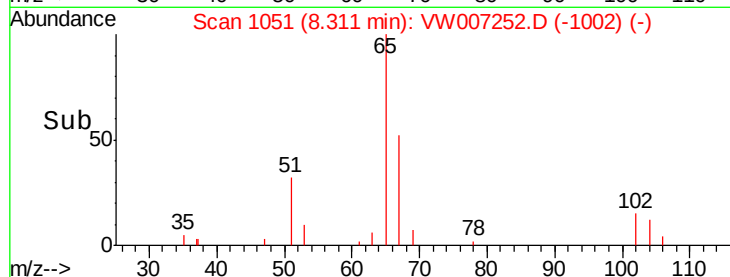
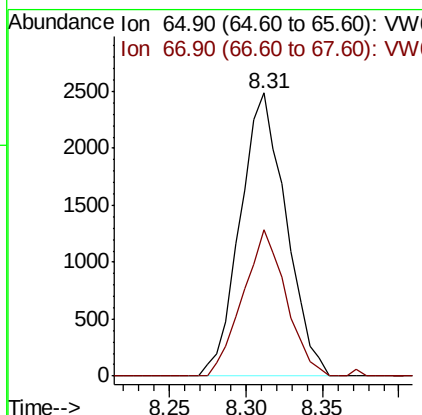
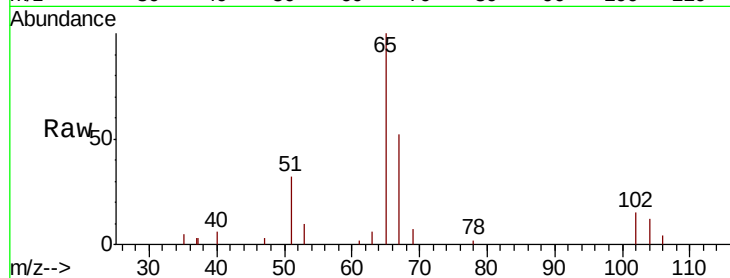




#33
 1,2-Dichloroethane-d4
 Concen: 45.632 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

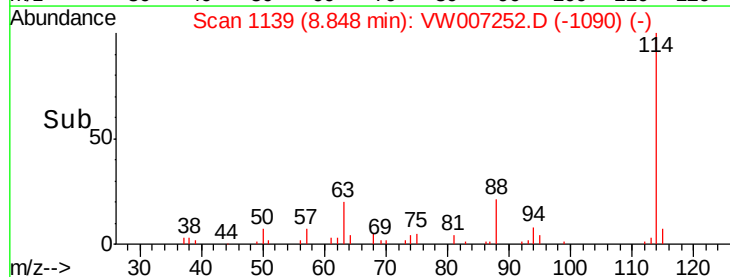
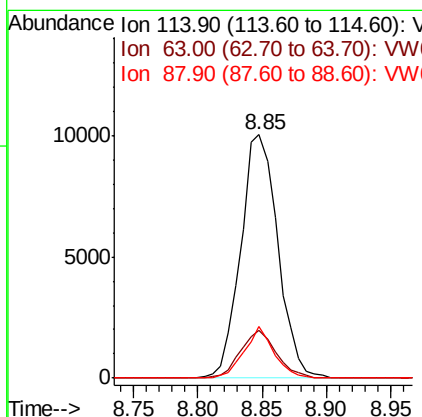
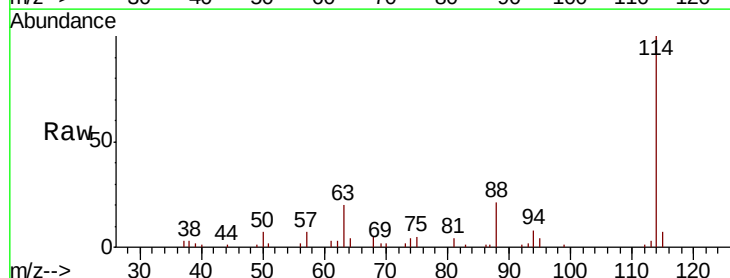
Instrument :
 MSVOA_W
 ClientSampled :
 TP-1RE

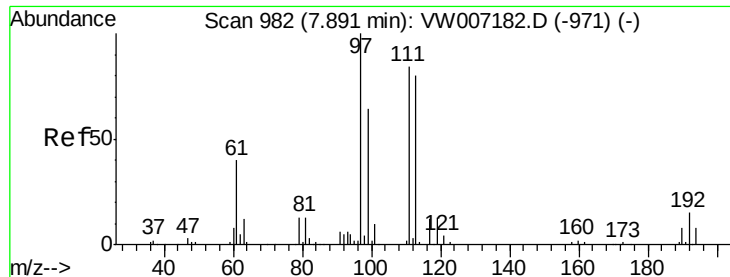
Tot Ion: 65 Resp: 5176
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

Tgt Ion: 114 Resp: 20049
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.2
 88 21.3 0.0 30.0

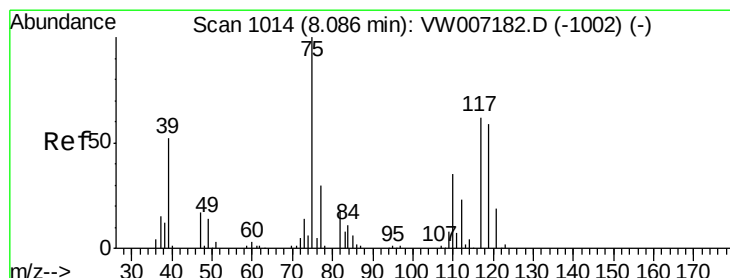
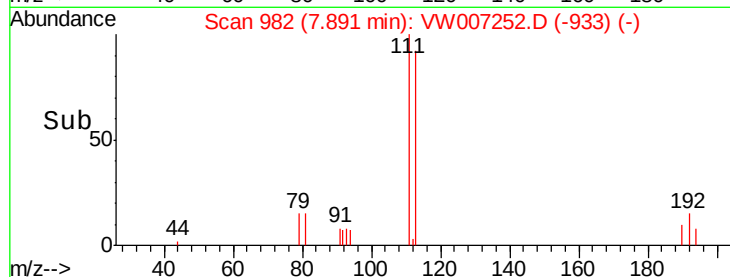
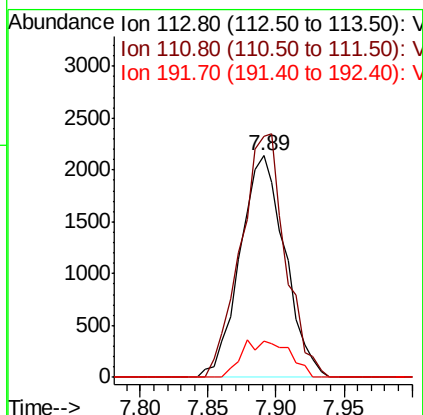
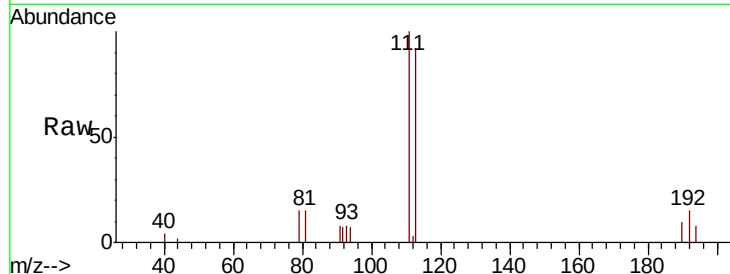




#35
 Dibromofluoromethane
 Concen: 43.084 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

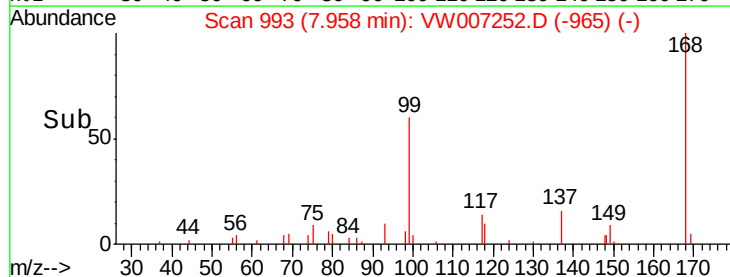
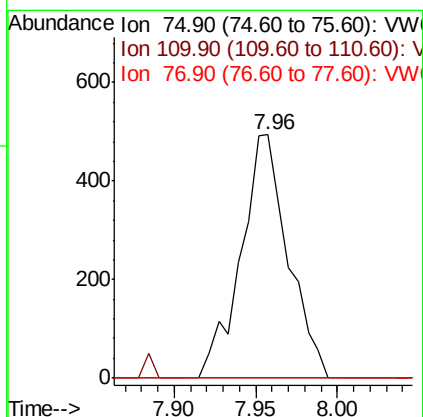
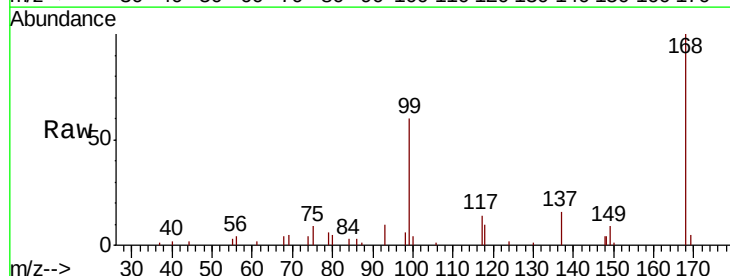
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1RE

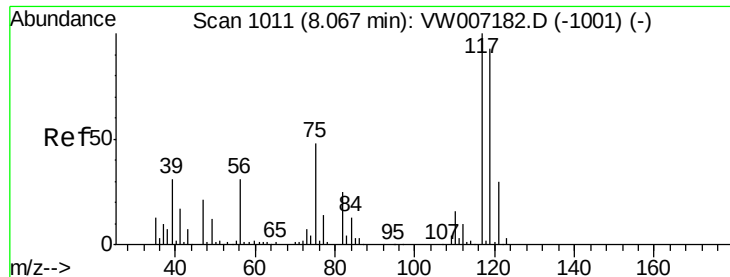
Tot Ion	Ratio	Lower	Upper
113	100		
111	108.8	82.2	123.4
192	17.6	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 5.106 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.9#
77	0.0	24.9	37.3#

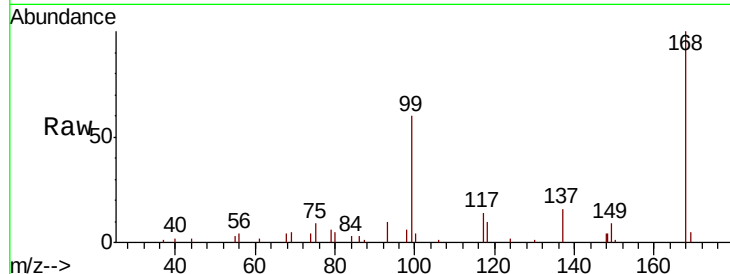




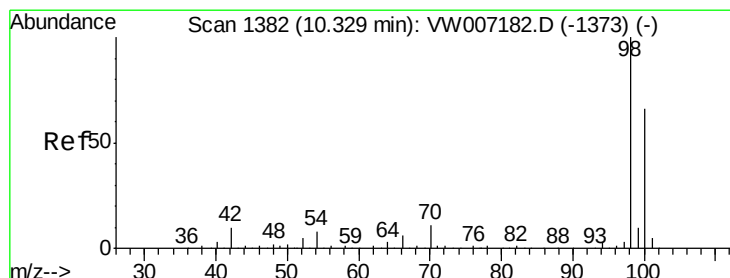
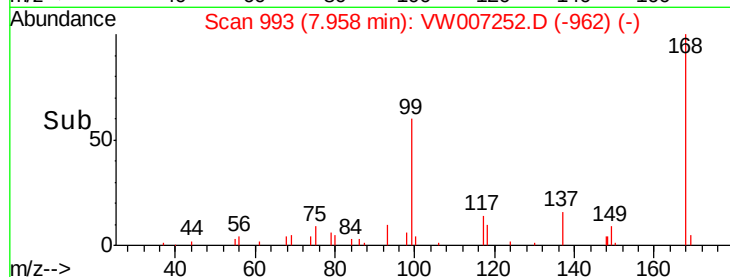
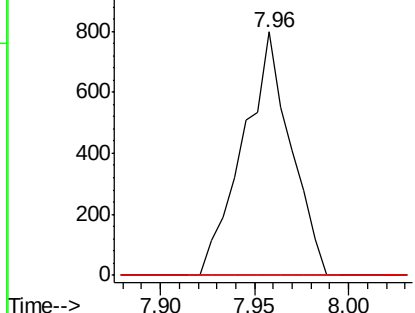
#38
Carbon Tetrachloride
Concen: 7.016 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW007252.D
Acq: 06 Dec 2018 00:17

Instrument :
MSVOA_W
ClientSampled :
TP-1RE

Tot Ion:117 Resp: 1397
Ion Ratio Lower Upper
117 100
119 0.0 74.1 111.1#
121 0.0 23.9 35.9#

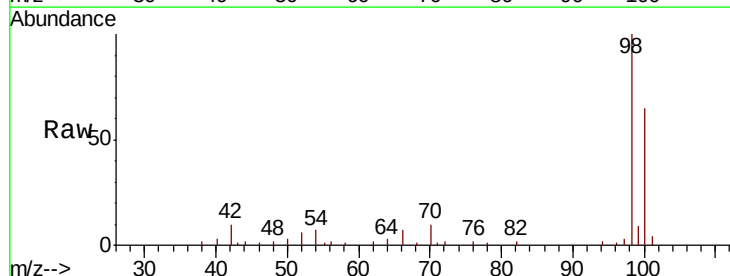


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

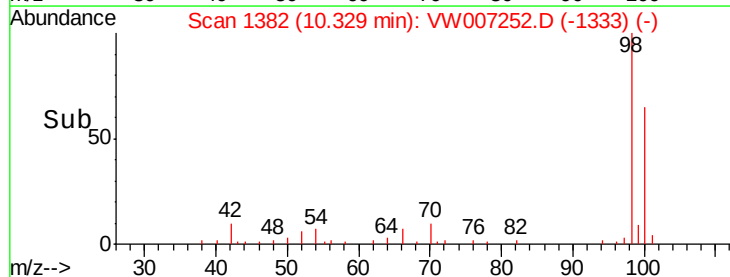
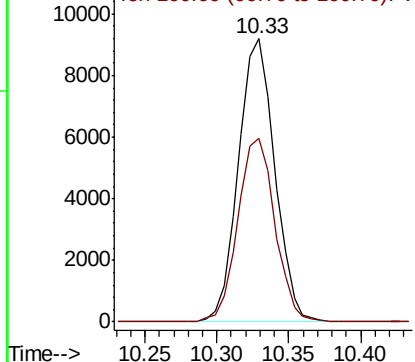


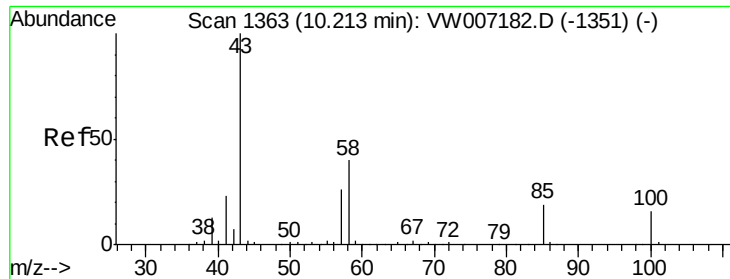
#50
Toluene-d8
Concen: 31.881 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW007252.D
Acq: 06 Dec 2018 00:17

Tgt Ion: 98 Resp: 16122
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 2.576 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Instrument :

MSVOA_W

ClientSampleId :

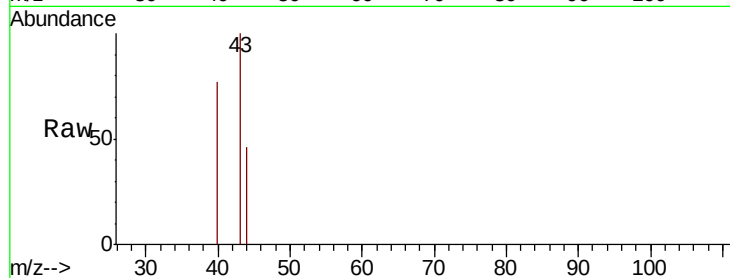
TP-1RE

Tot Ion: 43 Resp: 174

Ion Ratio Lower Upper

43 100

58 0.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

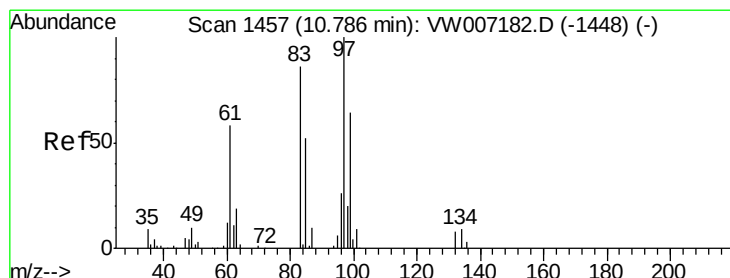
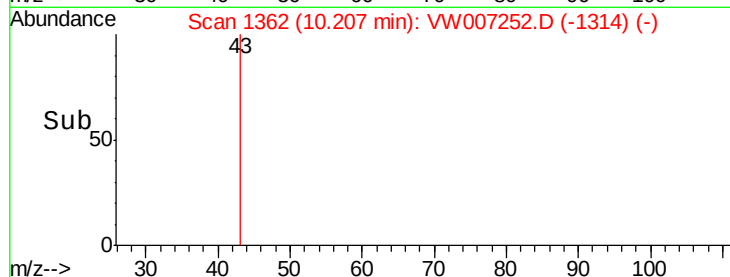
150

100

50

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.098 ug/l

RT: 10.77 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Tgt Ion: 97 Resp: 101

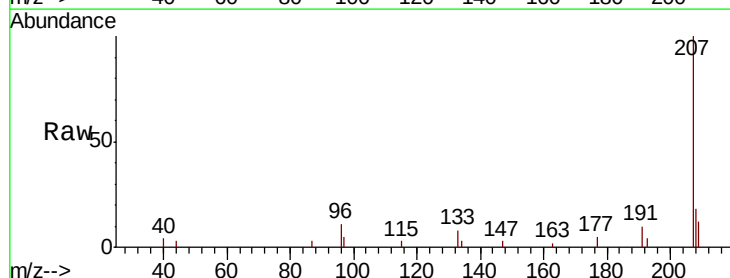
Ion Ratio Lower Upper

97 100

83 0.0 68.6 102.8#

85 0.0 41.4 62.2#

99 0.0 51.2 76.8#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

200

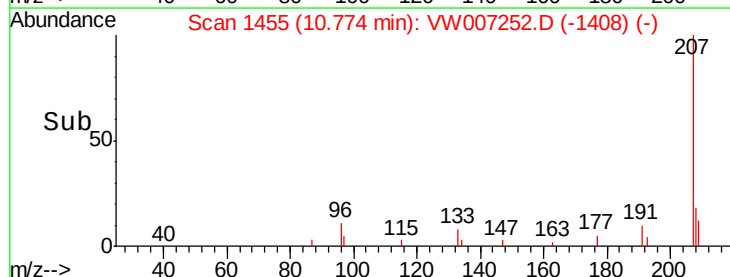
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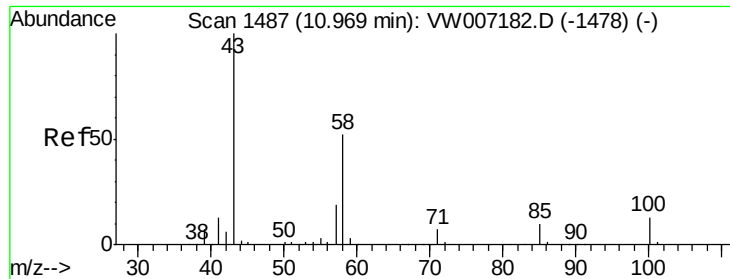
100

50

0

Time-->





#59

2-Hexanone

Concen: 4.391 ug/l

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Instrument :

MSVOA_W

ClientSampled :

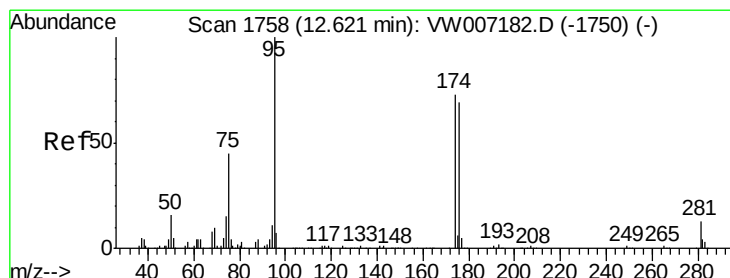
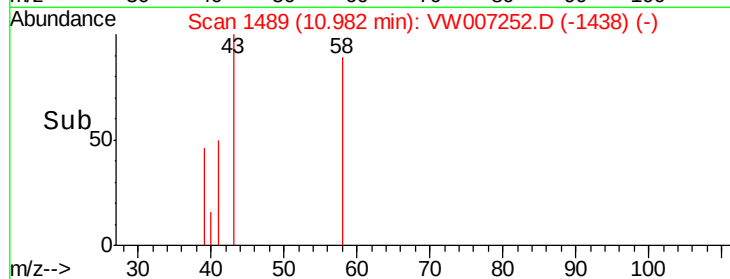
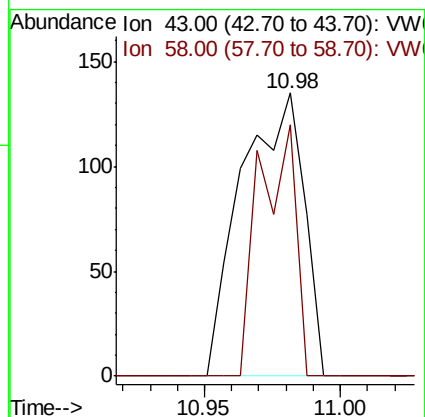
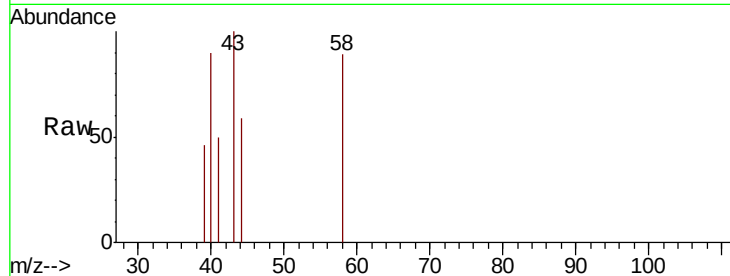
TP-1RE

Tot Ion: 43 Resp: 215

Ion Ratio Lower Upper

43 100

58 52.1 28.1 84.4



#62

4-Bromofluorobenzene

Concen: 25.598 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

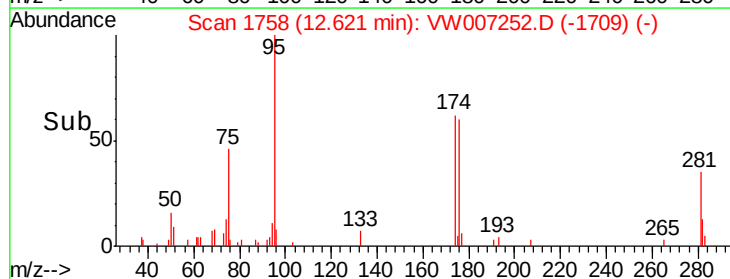
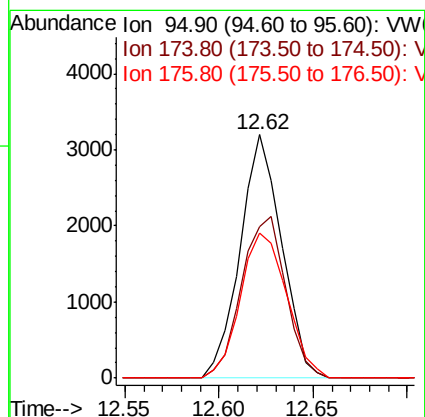
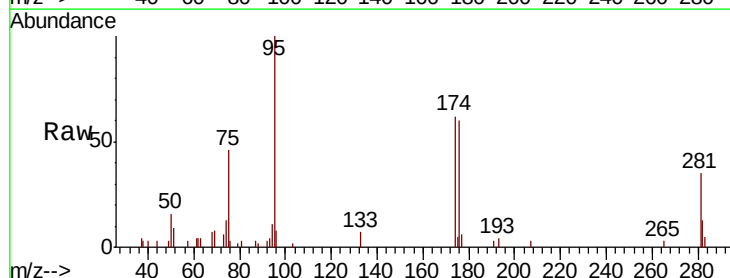
Tgt Ion: 95 Resp: 4886

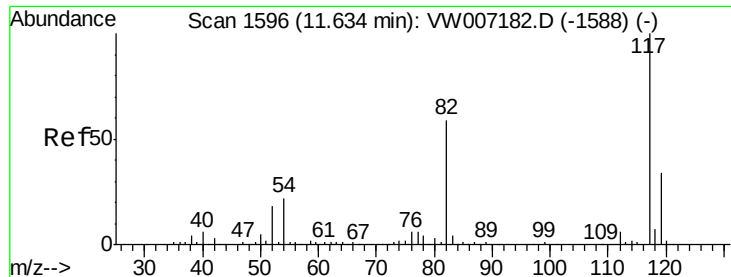
Ion Ratio Lower Upper

95 100

174 70.6 0.0 148.0

176 66.6 0.0 139.4

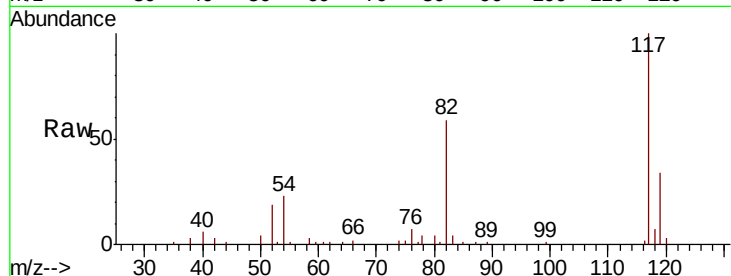




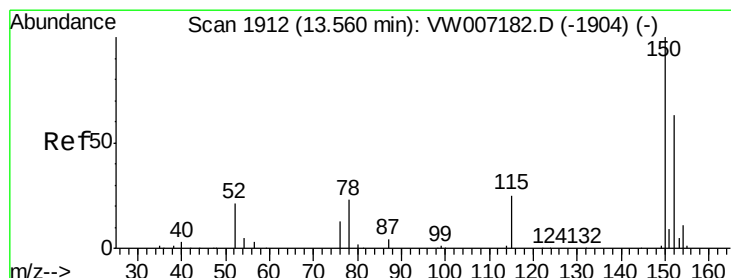
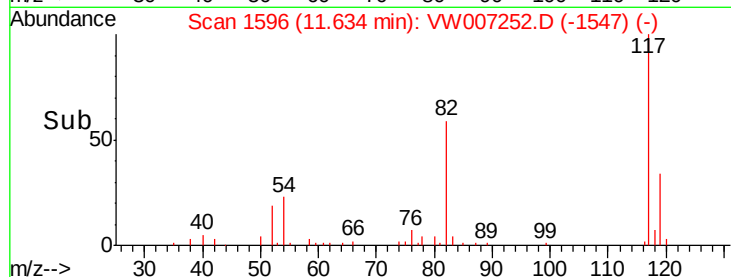
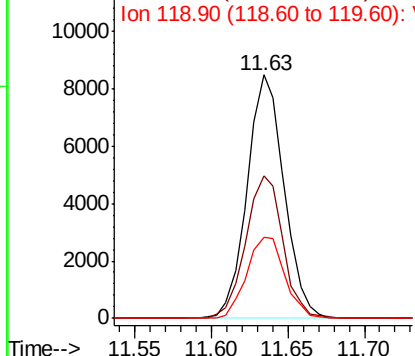
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007252.D
Acq: 06 Dec 2018 00:17

Instrument :
MSVOA_W
ClientSampled :
TP-1RE

Tot Ion:117 Resp: 14179
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 33.5 26.8 40.2

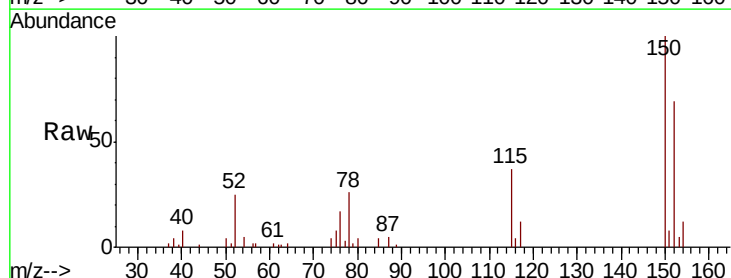


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

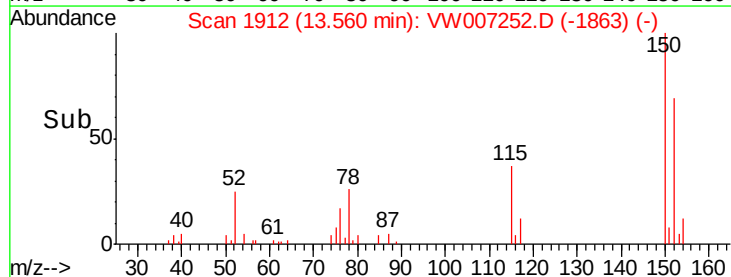
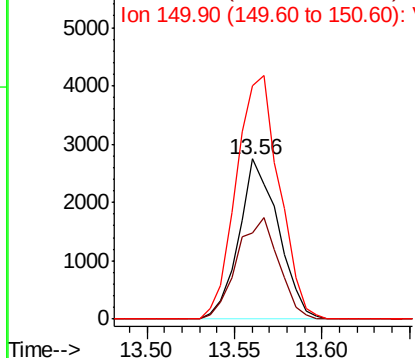


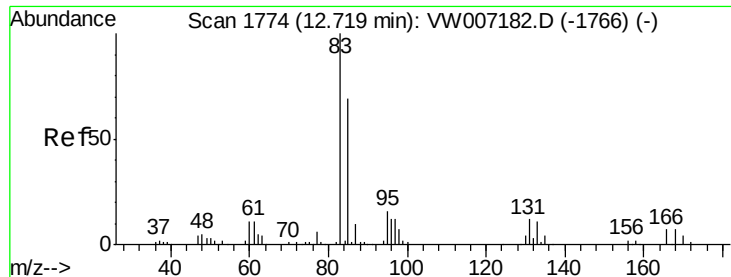
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007252.D
Acq: 06 Dec 2018 00:17

Tgt Ion:152 Resp: 4299
Ion Ratio Lower Upper
152 100
115 66.7 31.3 93.8
150 166.3 0.0 358.0



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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.211 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Instrument :

MSVOA_W

ClientSampled :

TP-1RE

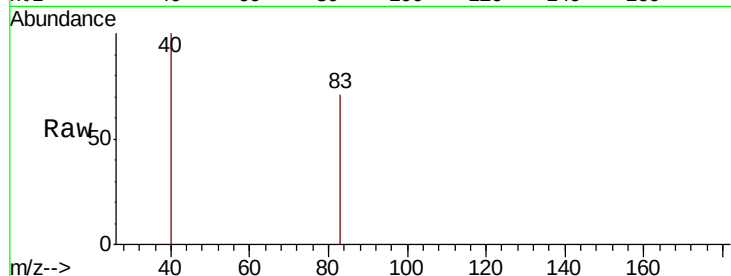
Tot Ion: 83 Resp: 55

Ion Ratio Lower Upper

83 100

131 0.0 6.0 18.1#

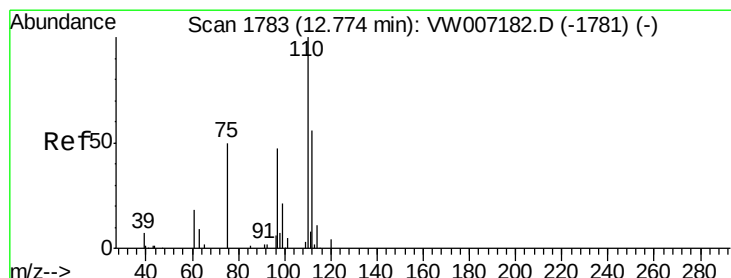
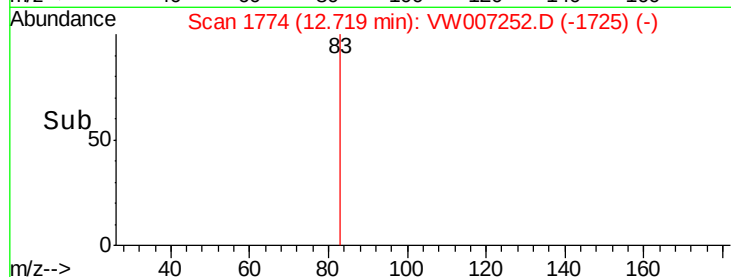
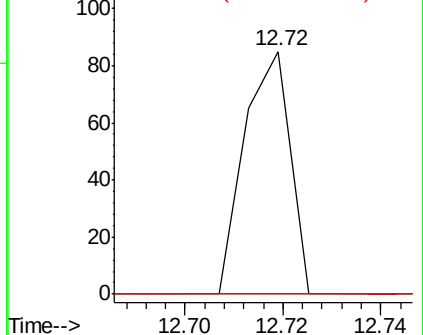
85 0.0 33.0 99.0#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 68.314 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007252.D

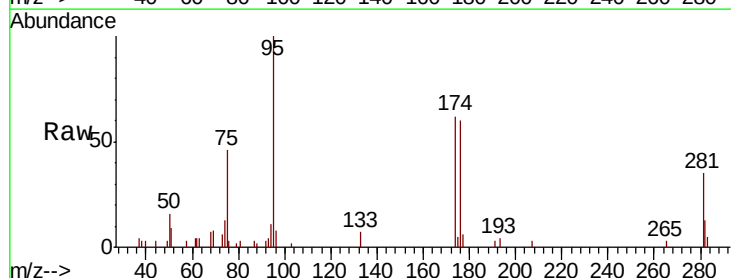
Acq: 06 Dec 2018 00:17

Tgt Ion: 75 Resp: 2274

Ion Ratio Lower Upper

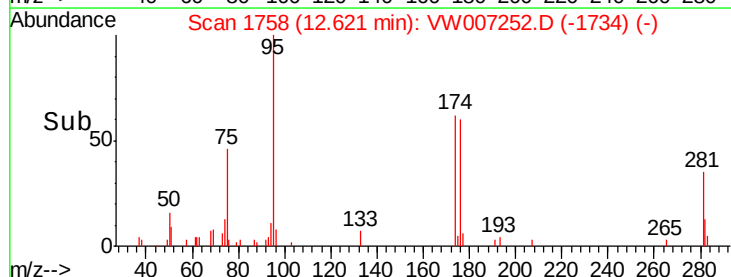
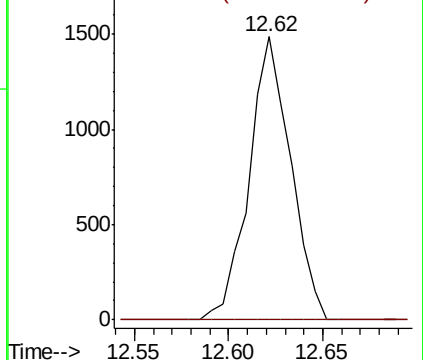
75 100

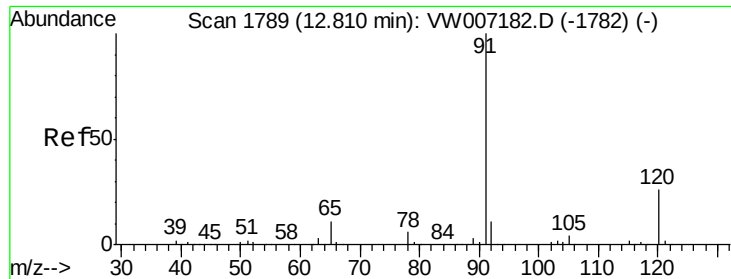
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 1.133 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Instrument :

MSVOA_W

ClientSampled :

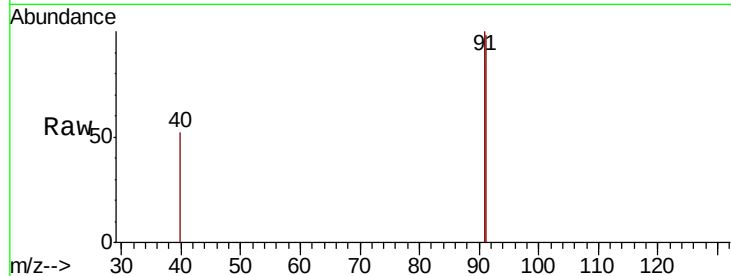
TP-1RE

Tot Ion: 91 Resp: 472

Ion Ratio Lower Upper

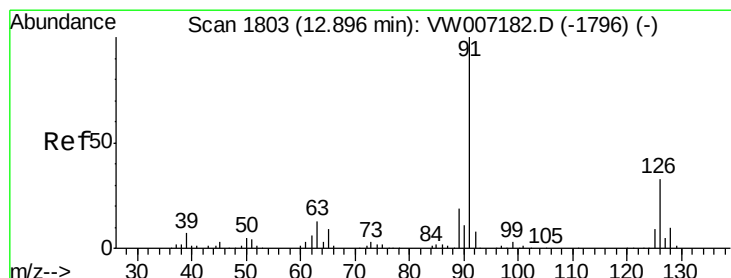
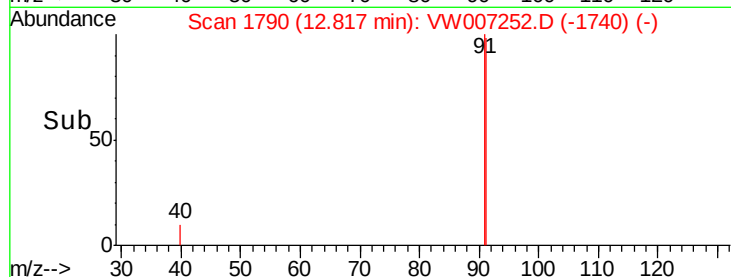
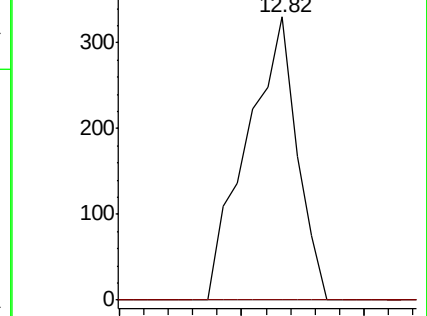
91 100

120 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.654 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.10 min

Lab File: VW007252.D

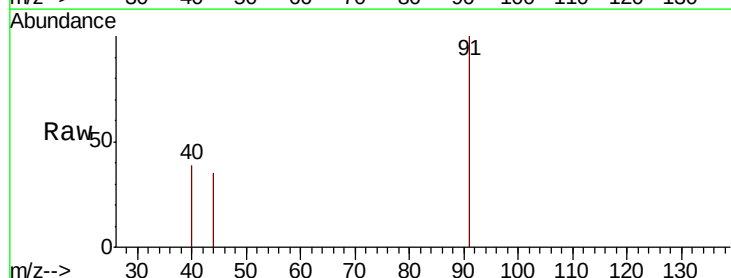
Acq: 06 Dec 2018 00:17

Tgt Ion: 91 Resp: 389

Ion Ratio Lower Upper

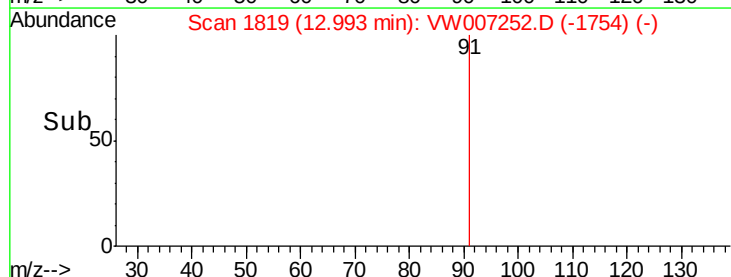
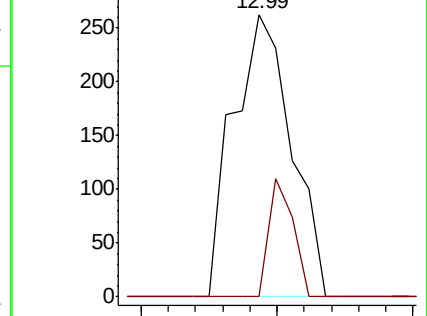
91 100

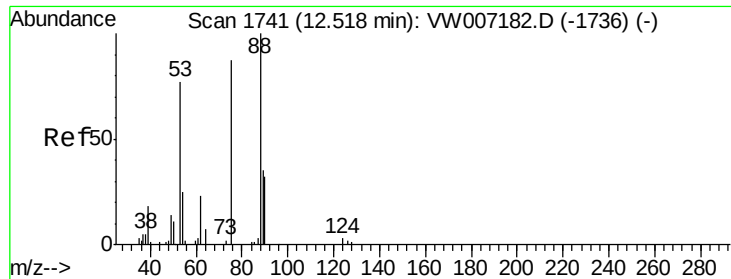
126 17.2 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 147.241 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Instrument :

MSVOA_W

ClientSampleId :

TP-1RE

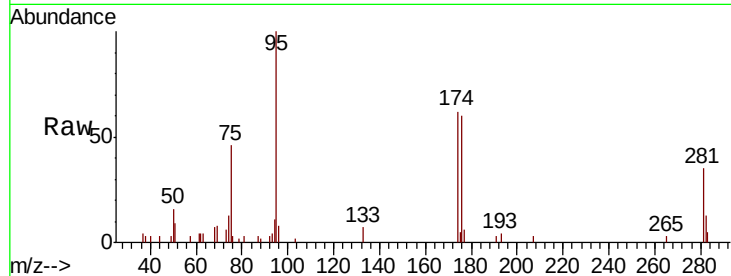
Tot Ion: 75 Resp: 2274

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

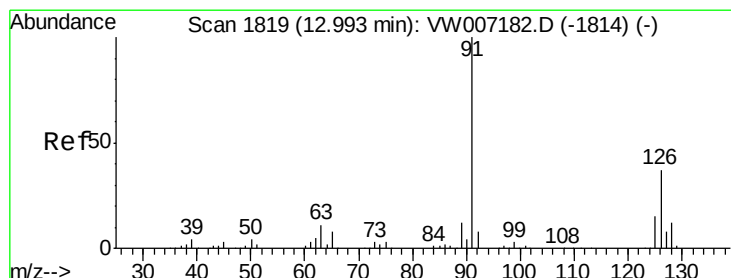
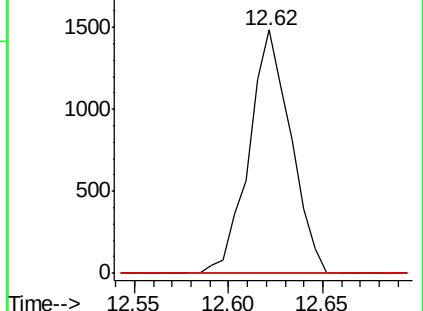
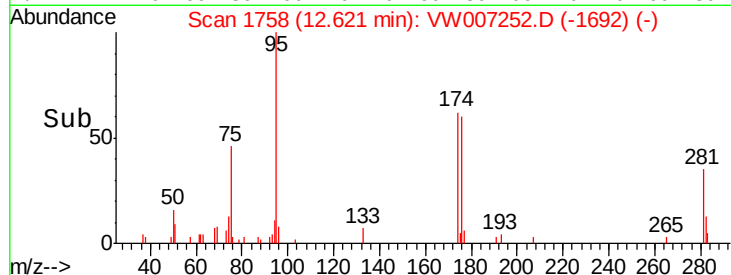
89 0.0 36.4 54.6#



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



#82

4-Chlorotoluene

Concen: 1.554 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007252.D

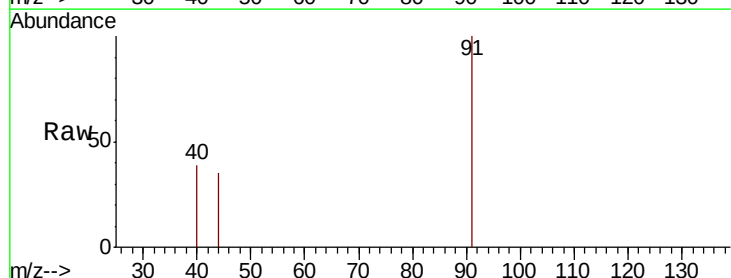
Acq: 06 Dec 2018 00:17

Tgt Ion: 91 Resp: 389

Ion Ratio Lower Upper

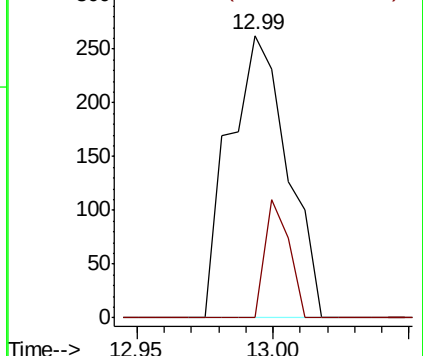
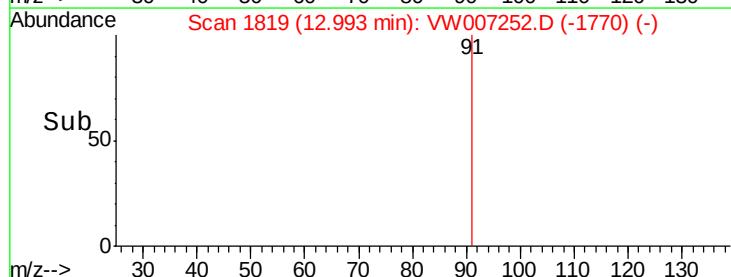
91 100

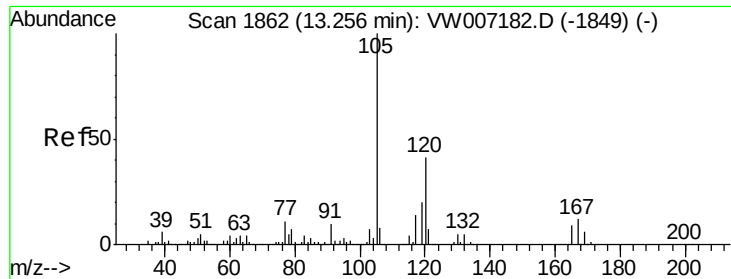
126 17.2 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

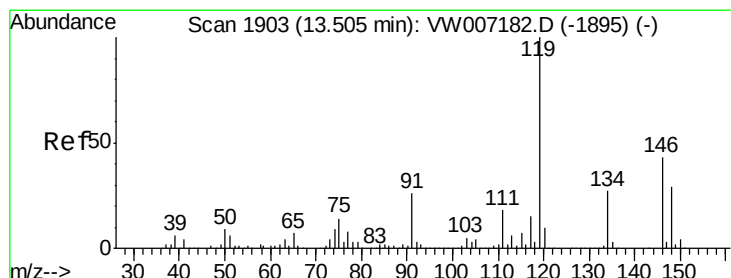
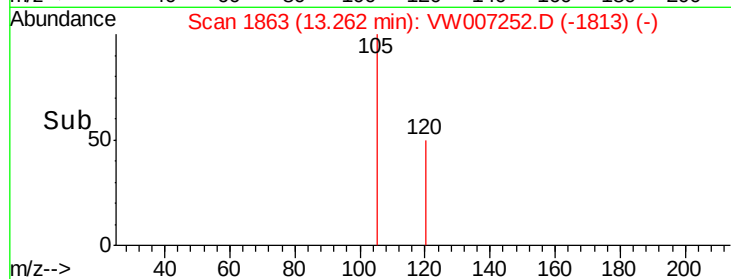
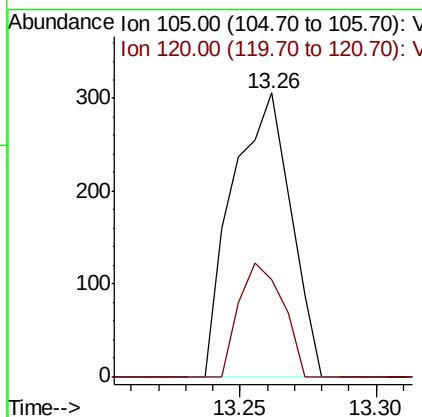
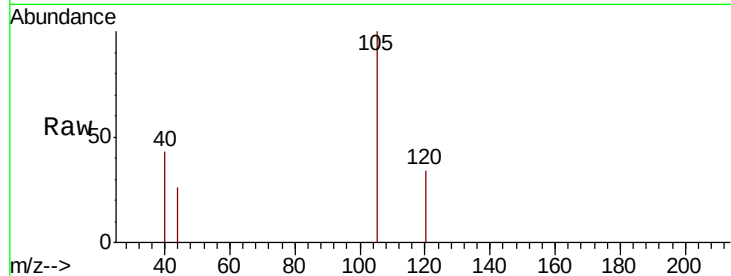




#84
 1,2,4-Trimethylbenzene
 Concen: 1.490 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

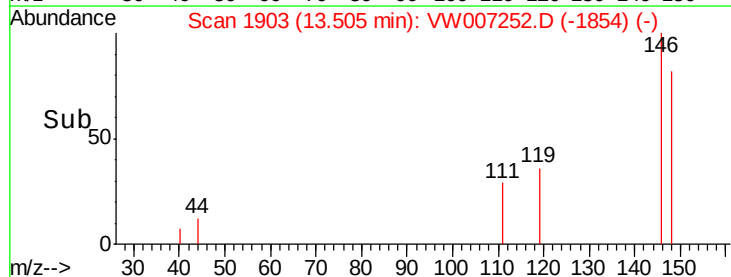
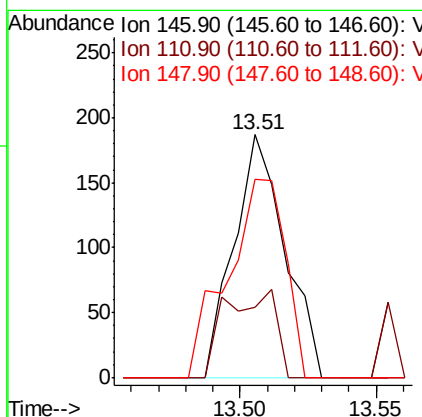
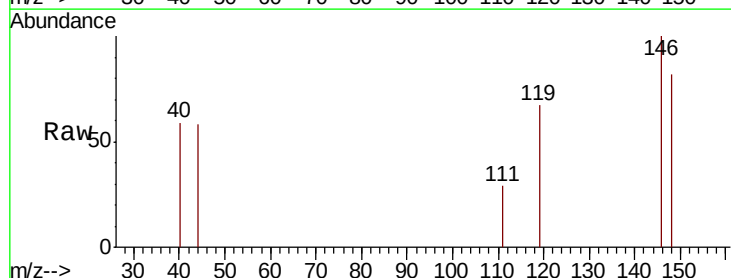
Instrument :
 MSVOA_W
 ClientSampled :
 TP-1RE

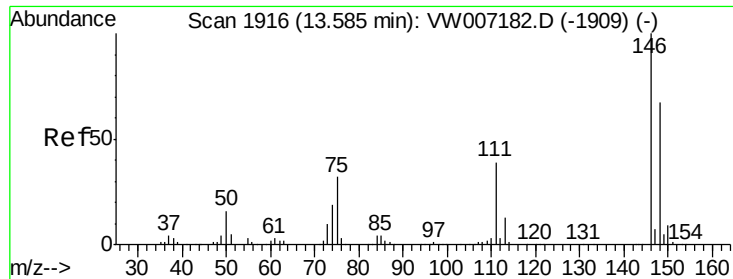
Tot Ion:105 Resp: 455
 Ion Ratio Lower Upper
 105 100
 120 30.1 21.1 63.3



#87
 1,3-Dichlorobenzene
 Concen: 1.568 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

Tgt Ion:146 Resp: 243
 Ion Ratio Lower Upper
 146 100
 111 35.4 21.1 63.4
 148 92.6 32.8 98.4





#88

1,4-Dichlorobenzene

Concen: 1.853 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

Instrument :

MSVOA_W

ClientSampleId :

TP-1RE

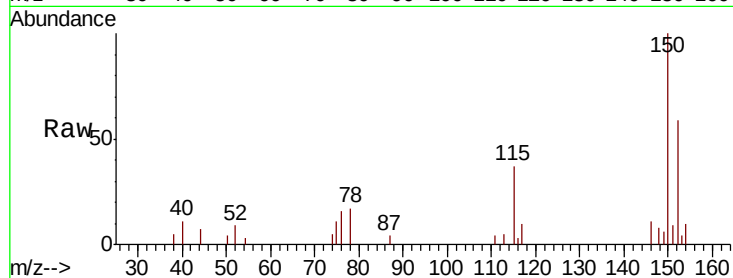
Tot Ion:146 Resp: 290

Ion Ratio Lower Upper

146 100

111 55.2 19.6 58.8

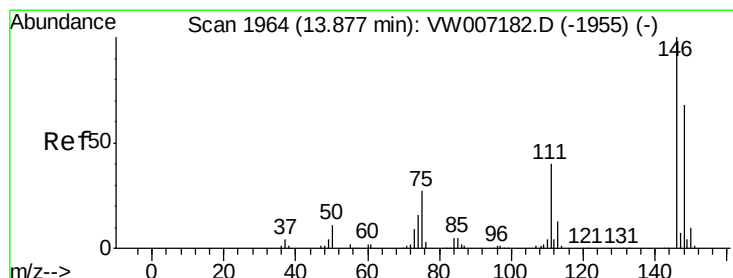
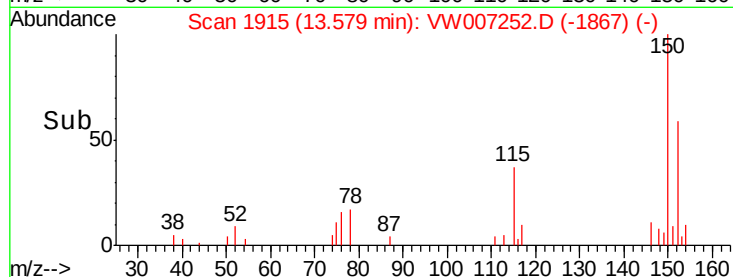
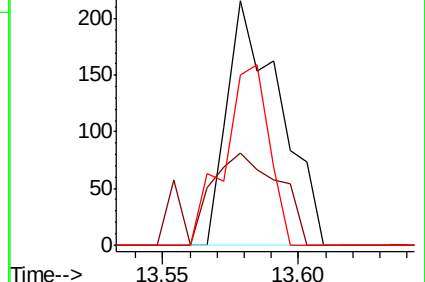
148 62.8 32.6 98.0



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



#91

1,2-Dichlorobenzene

Concen: 2.192 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007252.D

Acq: 06 Dec 2018 00:17

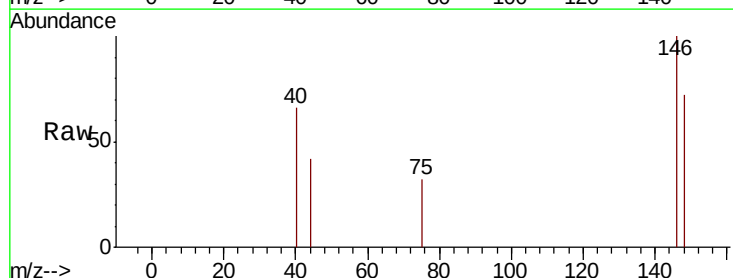
Tgt Ion:146 Resp: 294

Ion Ratio Lower Upper

146 100

111 25.9 21.6 65.0

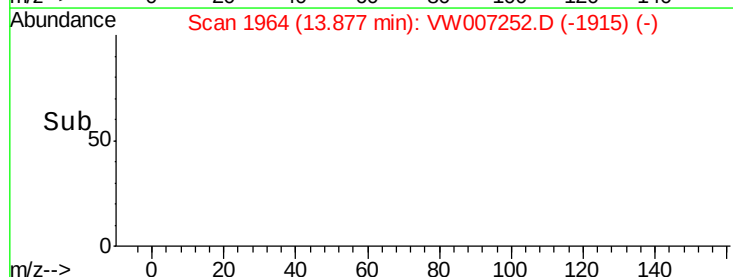
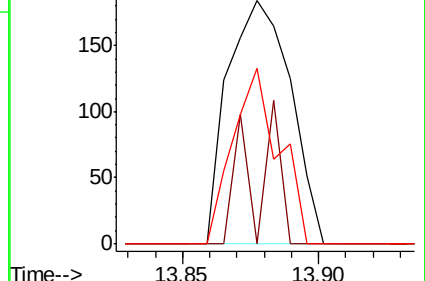
148 53.1 32.7 98.1

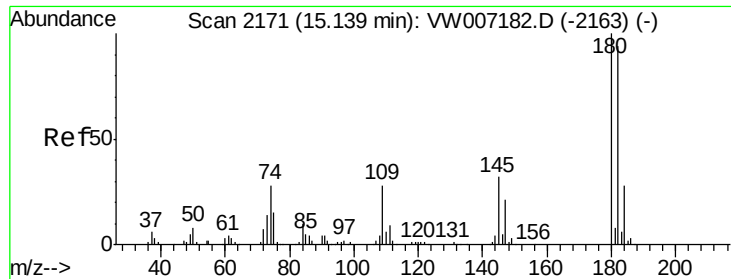


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

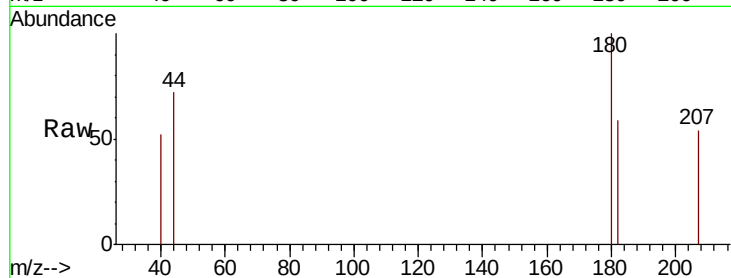




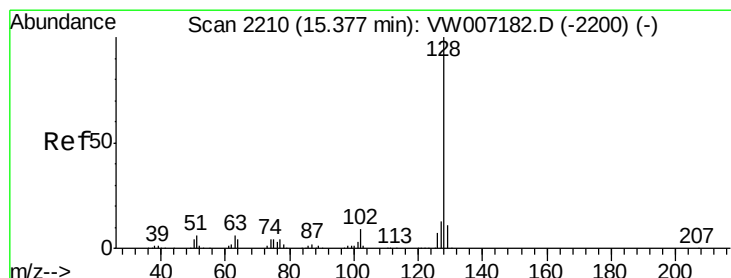
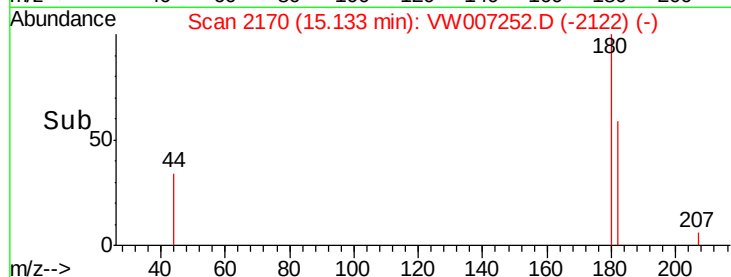
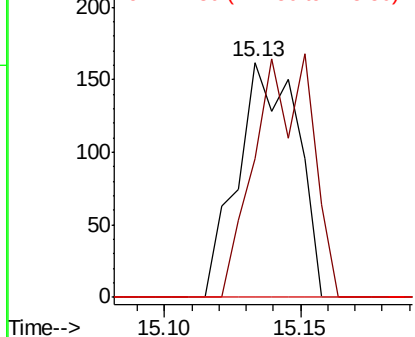
#93
 1,2,4-Trichlorobenzene
 Concen: 2.647 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1RE

Tot Ion:180 Resp: 246
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.9 143.8
 145 0.0 16.6 49.7#

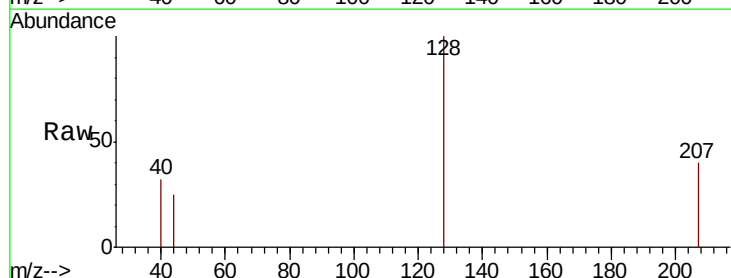


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

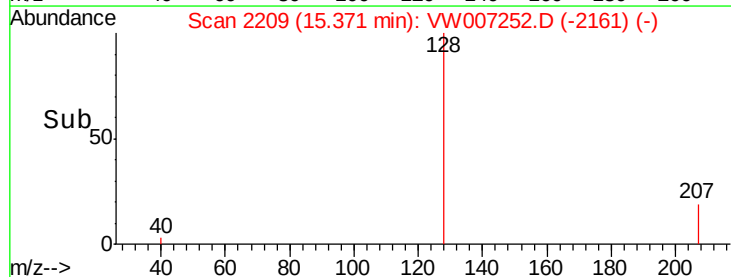
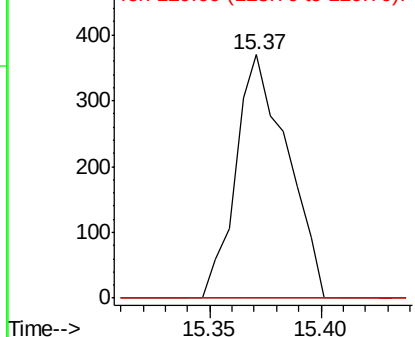


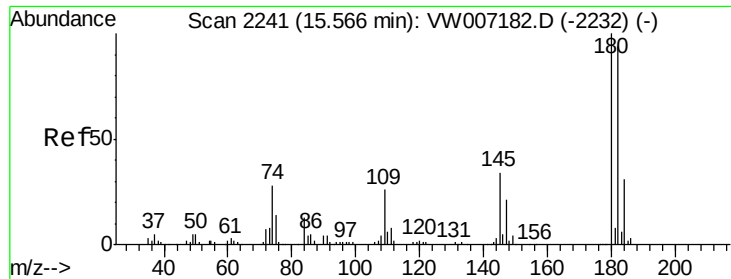
#95
 Naphthalene
 Concen: 3.578 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

Tgt Ion:128 Resp: 596
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.054 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW007252.D
 Acq: 06 Dec 2018 00:17

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1RE

Tot Ion:180 Resp: 161
 Ion Ratio Lower Upper
 180 100
 182 128.6 47.4 142.2
 145 0.0 17.6 52.8#

