

Data File : VW006010.D
Acq On : 11 Oct 2018 02:25
Operator : SY/AP
Sample : J5375-03
Misc : 5.13G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0691-KM-PA-AMD-COMP

Quant Time: Oct 11 05:41:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	254351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	211168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	83814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	83618	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.95	113	186	0.11	ug/l	0.06
Spiked Amount	50.000		Recovery	=	0.22%	
50) Toluene-d8	10.33	98	288300	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	12.62	95	88387	37.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.36%	

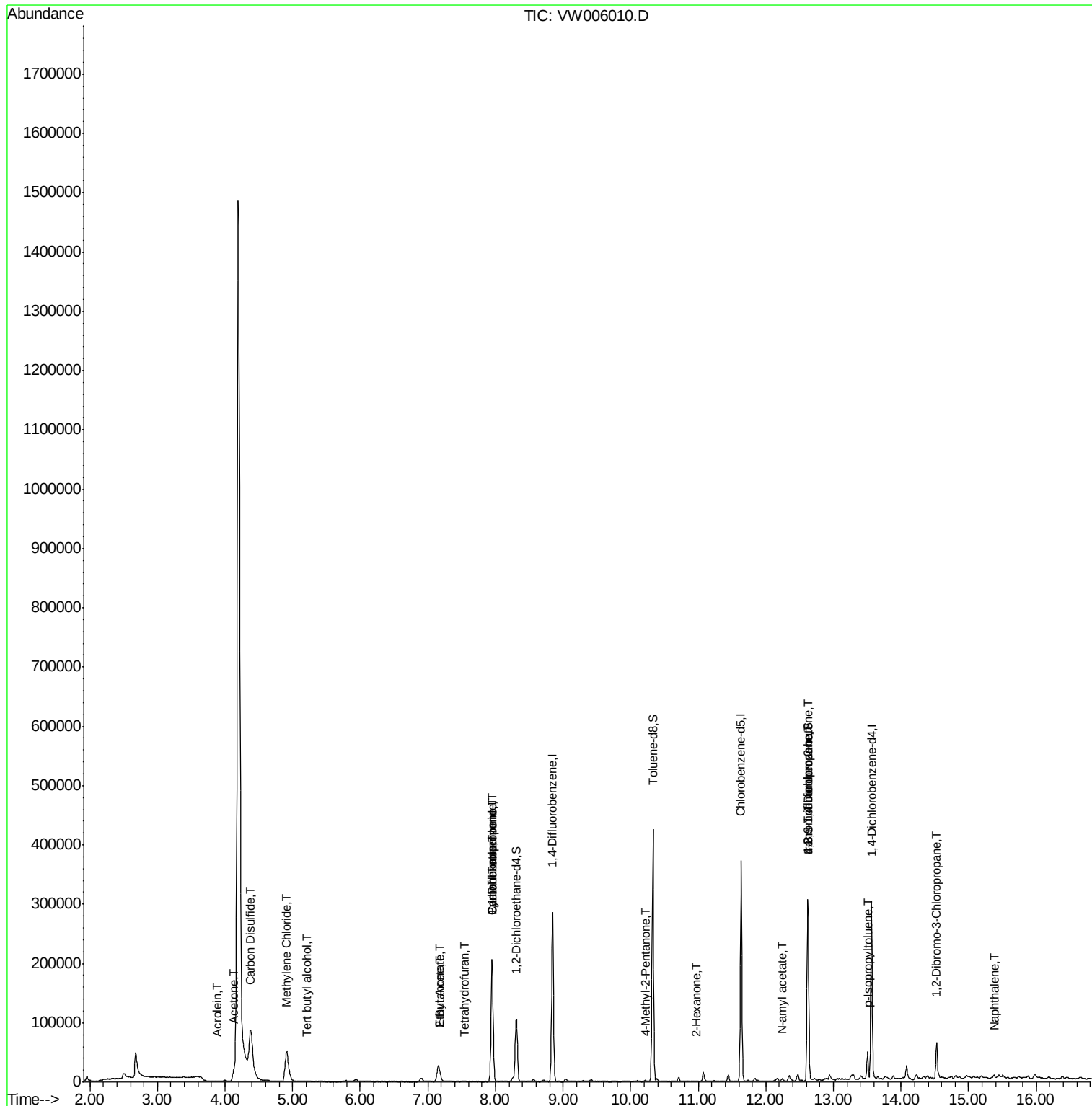
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.20	59	354	2.996	ug/l #	74
13) Acrolein	3.89	56	450	4.274	ug/l #	31
16) Acetone	4.13	43	35522	110.310	ug/l	96
17) Carbon Disulfide	4.38	76	151613	34.303	ug/l	100
20) Methylene Chloride	4.91	84	47234	29.277	ug/l	93
25) 2-Butanone	7.18	43	10444	22.803	ug/l	96
29) Tetrahydrofuran	7.54	42	434	1.499	ug/l #	49
31) Cyclohexane	7.95	56	3343	1.184	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	11446	4.696	ug/l #	49
37) Ethyl Acetate	7.18	43	10444	10.119	ug/l #	69
38) Carbon Tetrachloride	7.95	117	15032	5.741	ug/l #	14
51) 4-Methyl-2-Pentanone	10.22	43	1434	1.366	ug/l	99
59) 2-Hexanone	10.97	43	848	1.127	ug/l	93
74) N-amyl acetate	12.24	43	2082	1.432	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	45605	60.913	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45605	128.594	ug/l #	11
86) p-Isopropyltoluene	13.51	119	24926	4.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22352	119.548	ug/l #	1
95) Naphthalene	15.38	128	4609	1.348	ug/l #	93

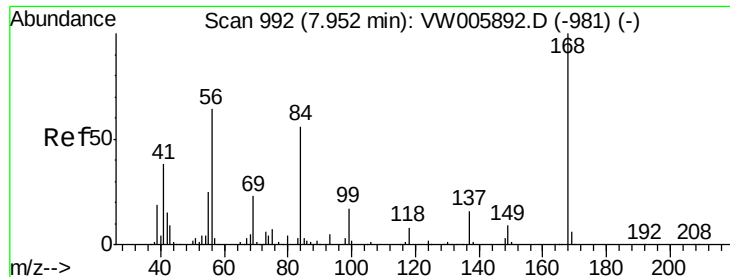
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

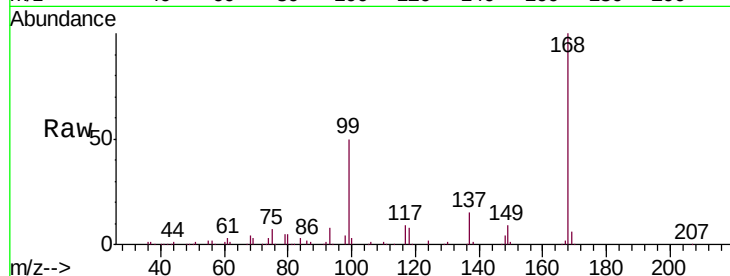
0691-KM-PA-AMD-COMP

Tgt Ion:168 Resp: 166070

Ion Ratio Lower Upper

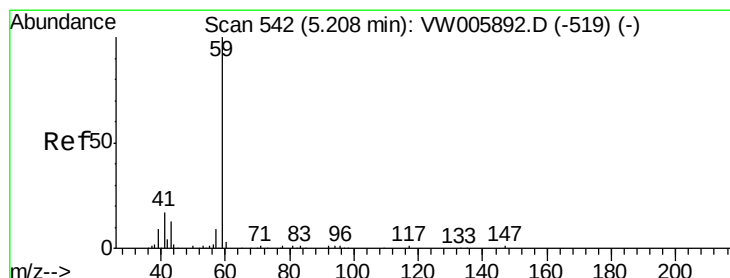
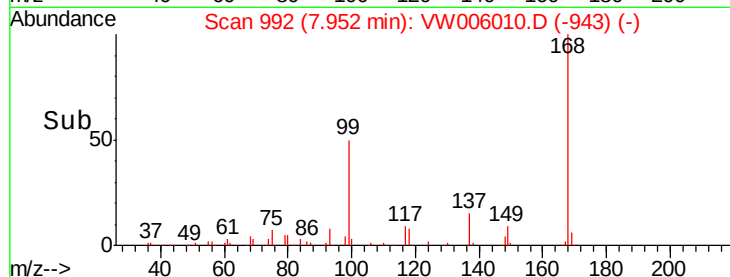
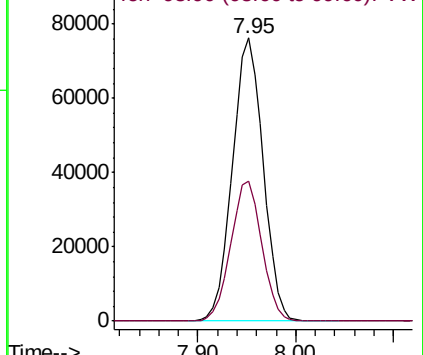
168 100

99 49.6 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.996 ug/l

RT: 5.20 min Scan# 541

Delta R.T. -0.01 min

Lab File: VW006010.D

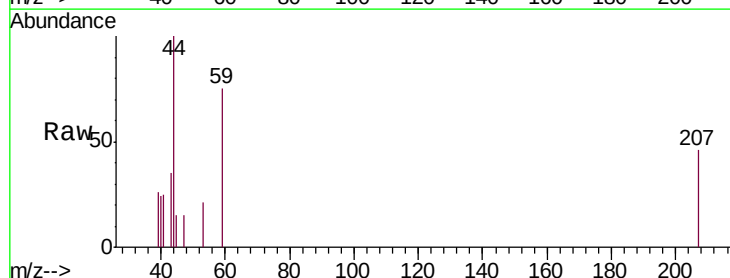
Acq: 11 Oct 2018 02:25

Tgt Ion: 59 Resp: 354

Ion Ratio Lower Upper

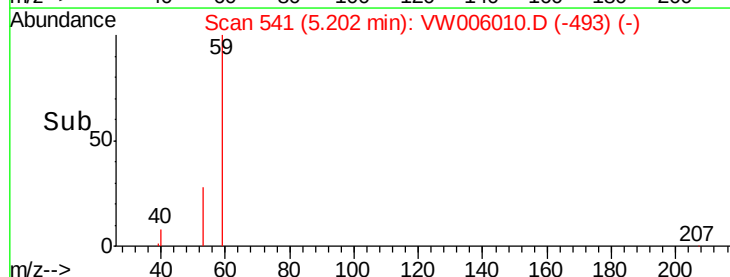
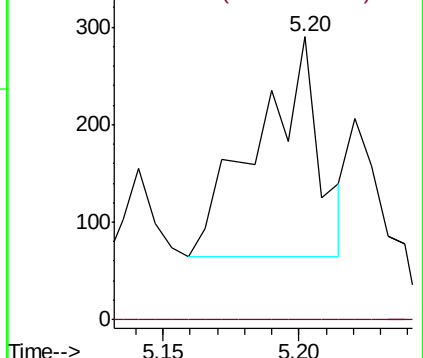
59 100

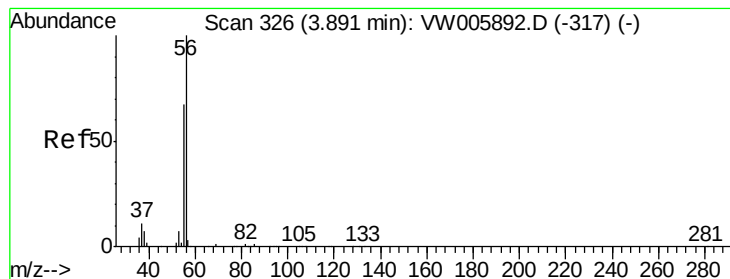
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.274 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

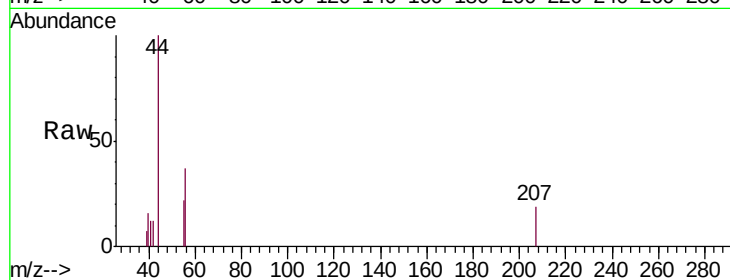
0691-KM-PA-AMD-COMP

Tgt Ion: 56 Resp: 450

Ion Ratio Lower Upper

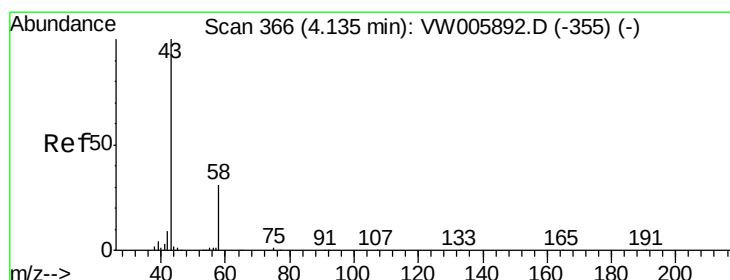
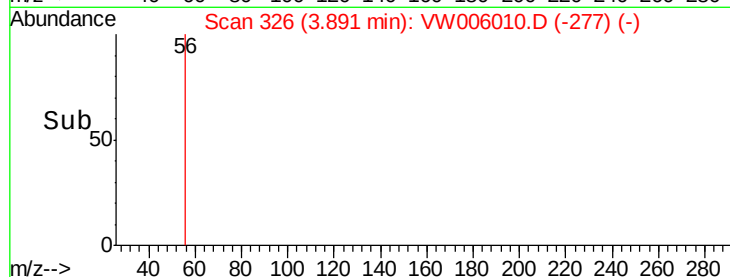
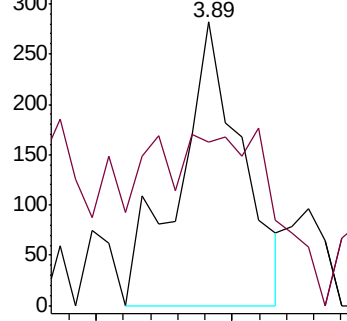
56 100

55 12.7 54.6 82.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 110.310 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW006010.D

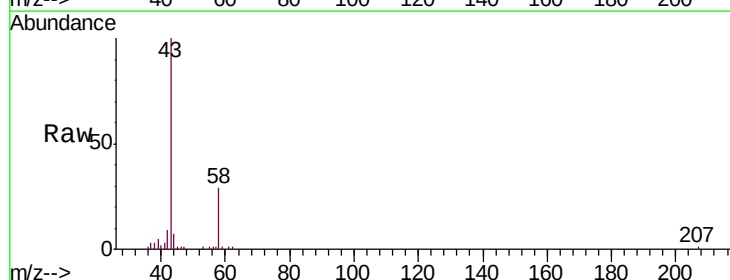
Acq: 11 Oct 2018 02:25

Tgt Ion: 43 Resp: 35522

Ion Ratio Lower Upper

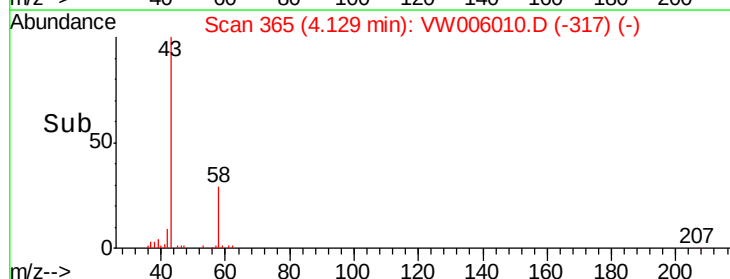
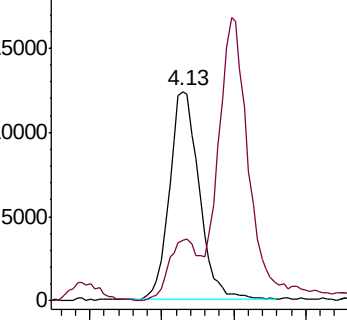
43 100

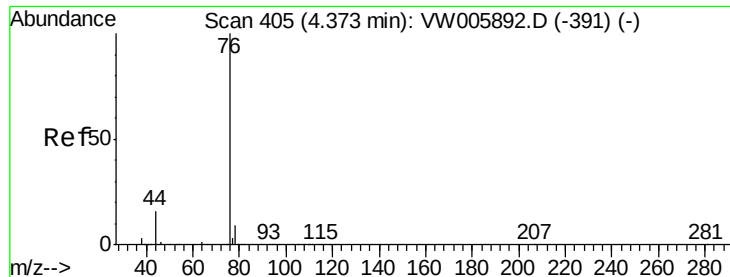
58 28.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 34.303 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

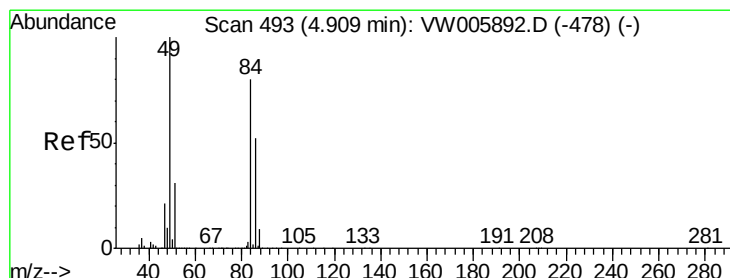
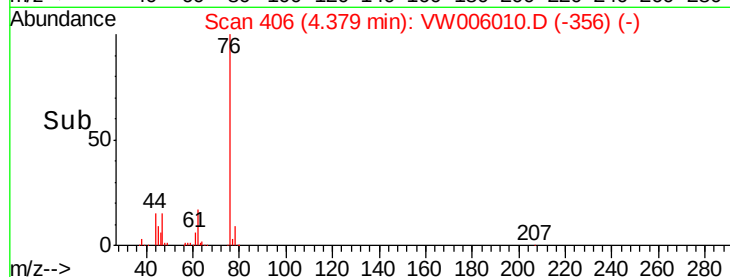
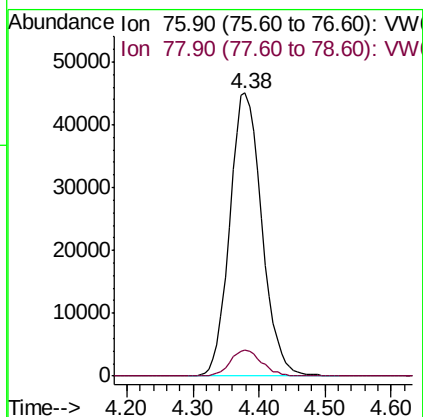
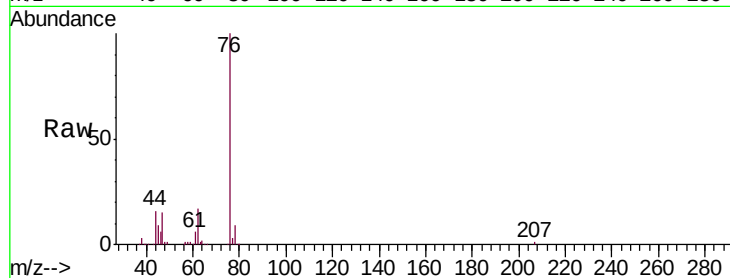
0691-KM-PA-AMD-COMP

Tgt Ion: 76 Resp: 151613

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



#20

Methylene Chloride

Concen: 29.277 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Tgt Ion: 84 Resp: 47234

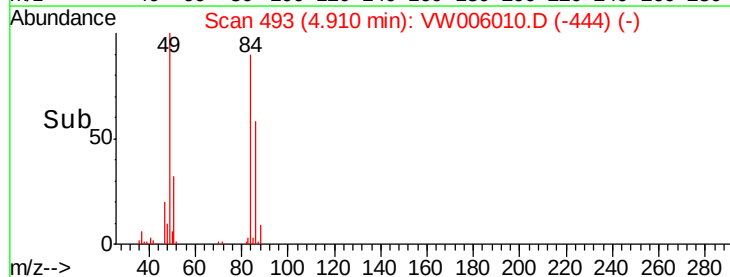
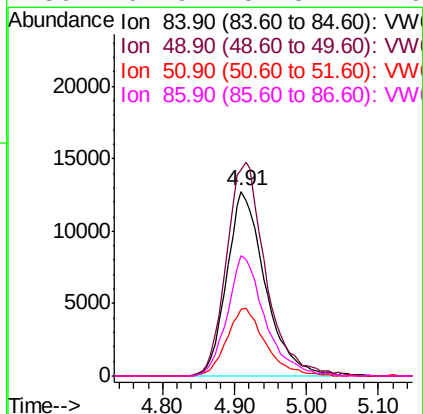
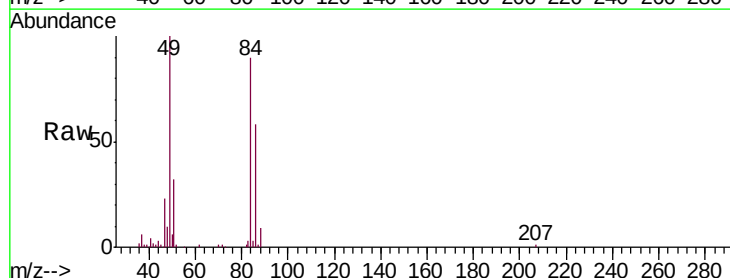
Ion Ratio Lower Upper

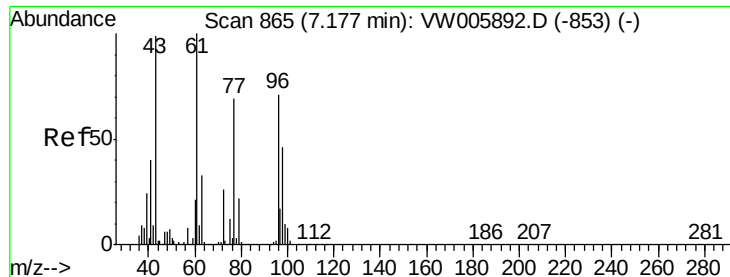
84 100

49 111.7 99.9 149.9

51 35.9 31.1 46.7

86 64.9 51.8 77.6





#25

2-Butanone

Concen: 22.803 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

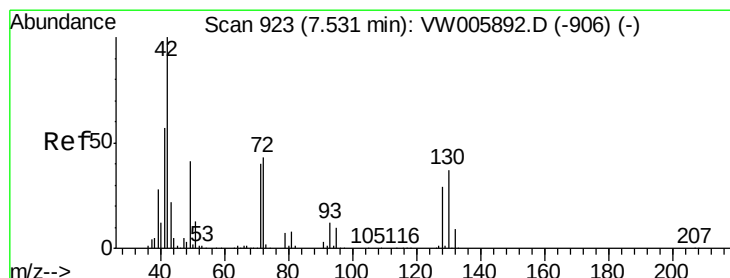
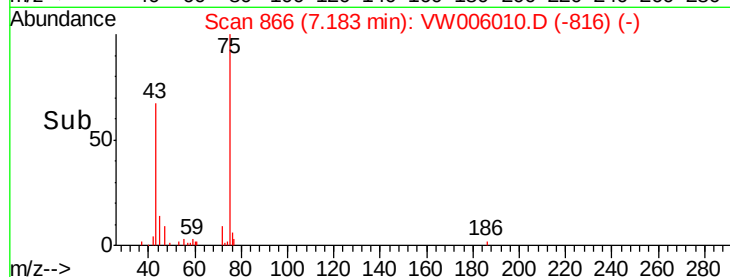
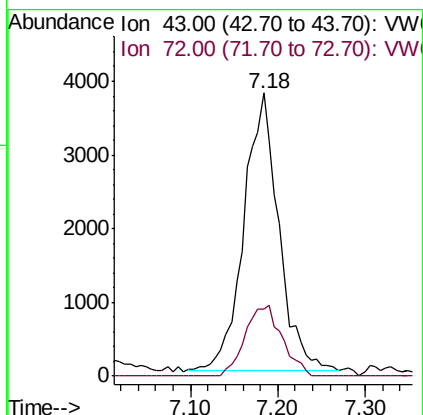
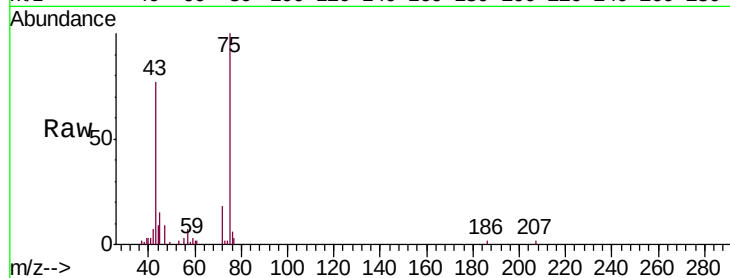
0691-KM-PA-AMD-COMP

Tgt Ion: 43 Resp: 10444

Ion Ratio Lower Upper

43 100

72 24.2 21.0 31.4



#29

Tetrahydrofuran

Concen: 1.499 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

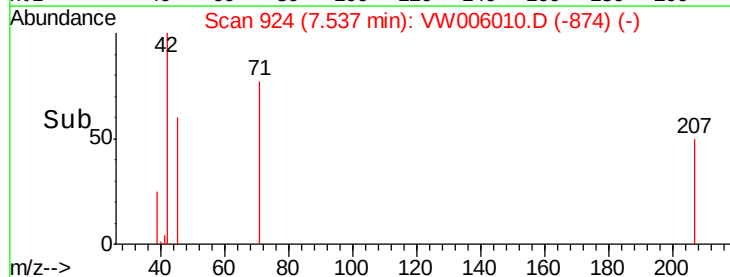
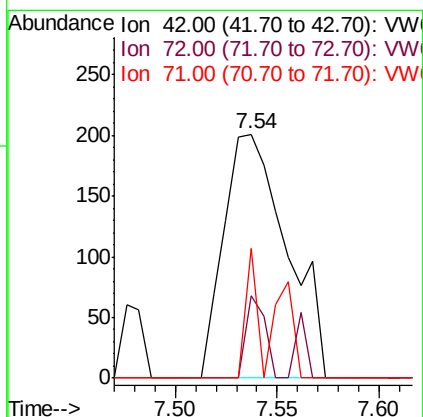
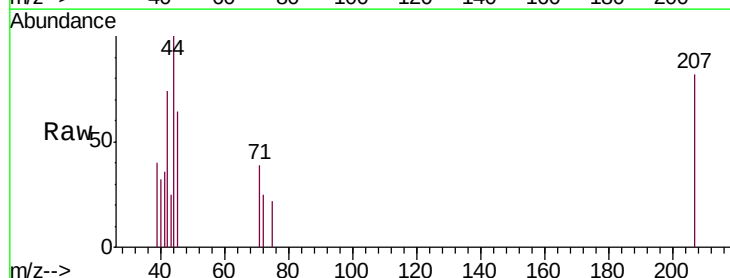
Tgt Ion: 42 Resp: 434

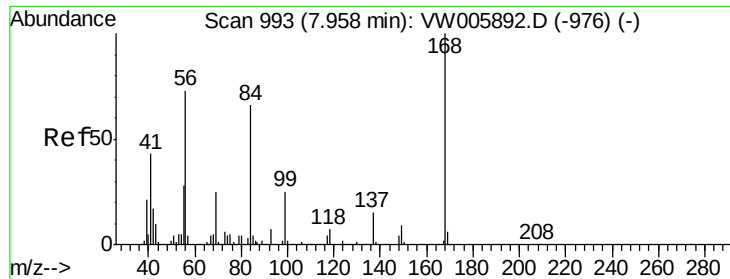
Ion Ratio Lower Upper

42 100

72 10.1 34.6 51.8#

71 9.0 32.6 49.0#

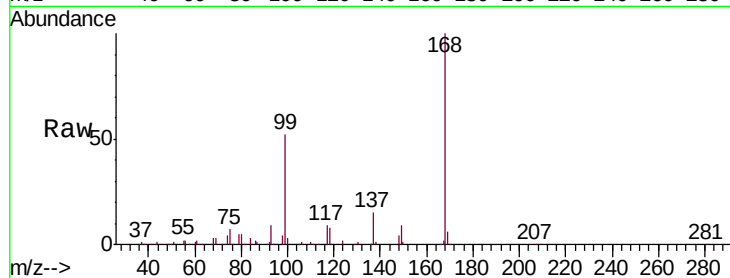




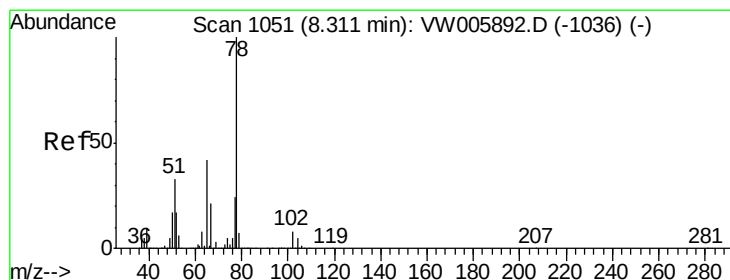
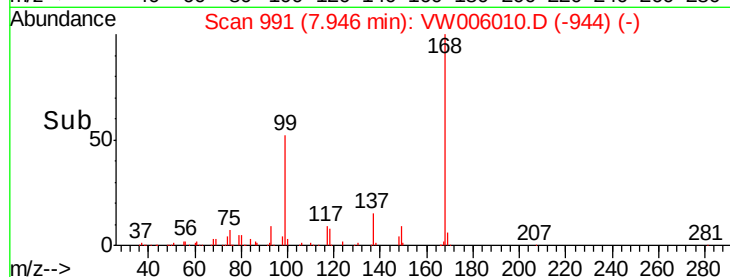
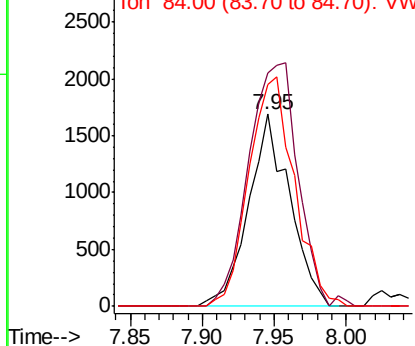
#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006010.D
Acq: 11 Oct 2018 02:25

Instrument :
MSVOA_W
ClientSampleId :
0691-KM-PA-AMD-COMP

Tgt Ion: 56 Resp: 3343
Ion Ratio Lower Upper
56 100
69 121.3 27.9 41.9#
84 115.3 72.3 108.5#

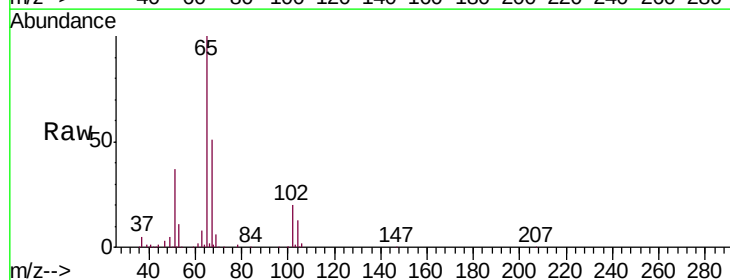


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

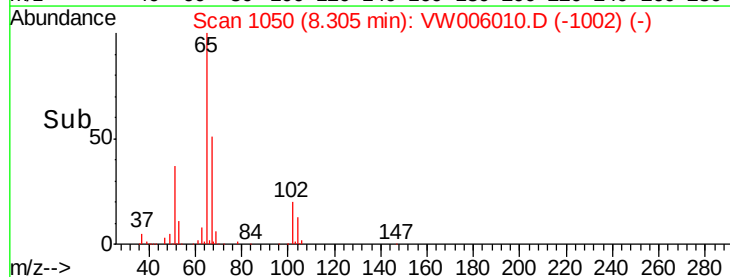
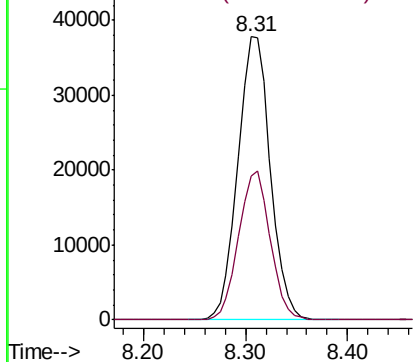


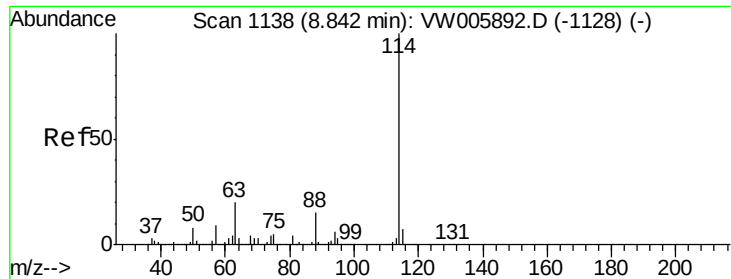
#33
1,2-Dichloroethane-d4
Concen: 51.867 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006010.D
Acq: 11 Oct 2018 02:25

Tgt Ion: 65 Resp: 83618
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6



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: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

0691-KM-PA-AMD-COMP

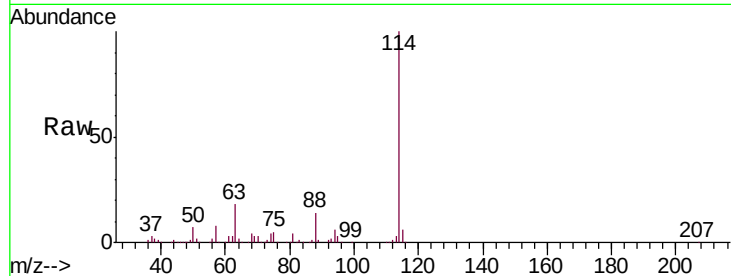
Tgt Ion:114 Resp: 254351

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.2

88 13.8 0.0 30.8



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

150000

100000

50000

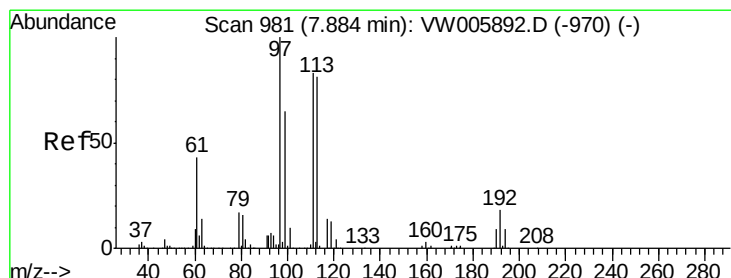
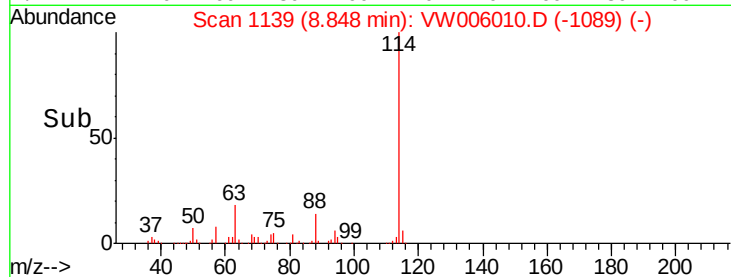
0

8.85

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 0.115 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.06 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

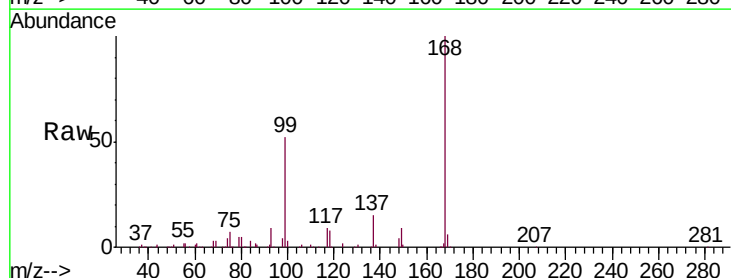
Tgt Ion:113 Resp: 186

Ion Ratio Lower Upper

113 100

111 194.1 82.0 123.0#

192 0.0 18.3 27.5#



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

250

200

150

100

50

0

7.95

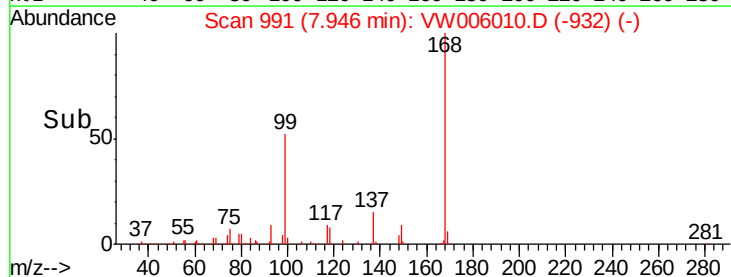
7.92

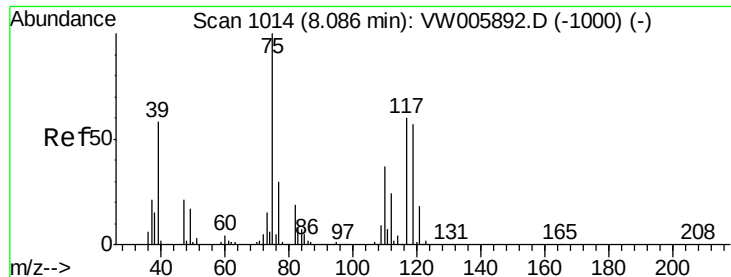
7.94

7.96

7.98

Time-->





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

0691-KM-PA-AMD-COMP

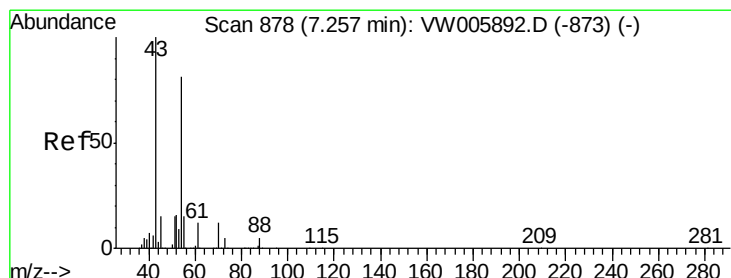
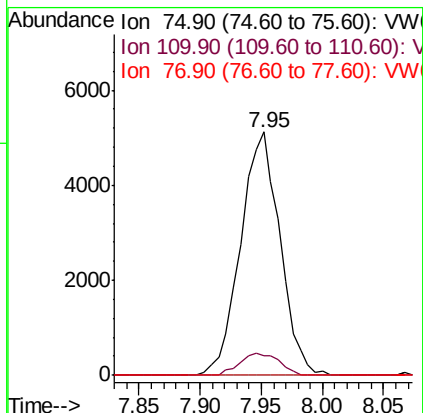
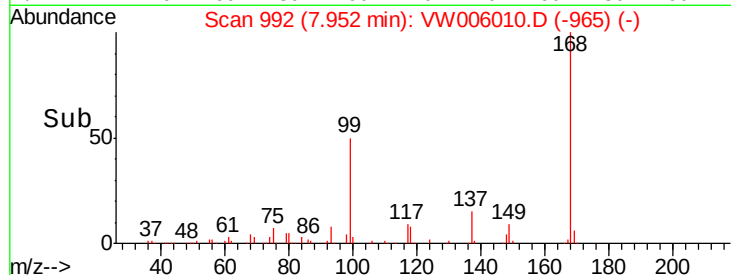
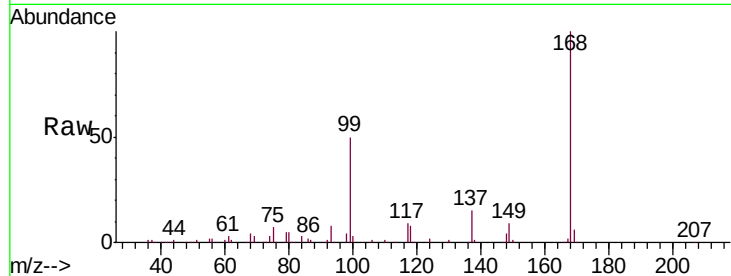
Tgt Ion: 75 Resp: 11446

Ion Ratio Lower Upper

75 100

110 9.2 18.6 56.0#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 10.119 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

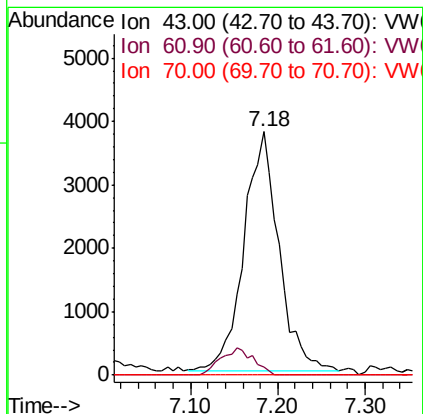
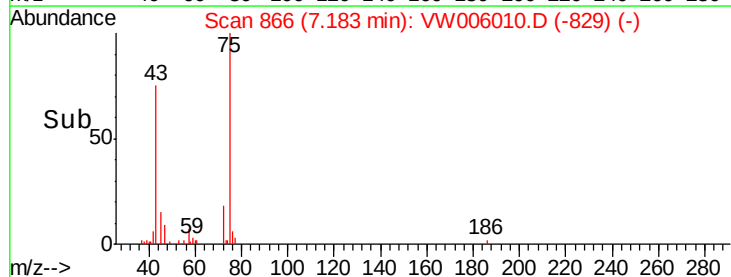
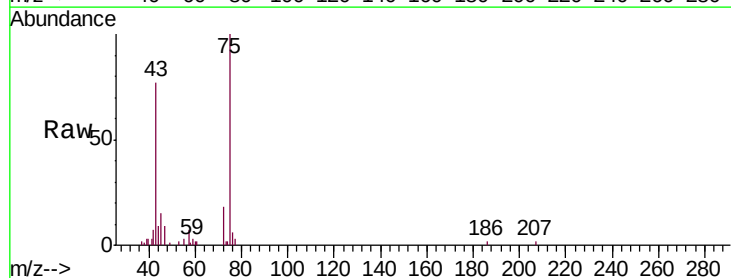
Tgt Ion: 43 Resp: 10444

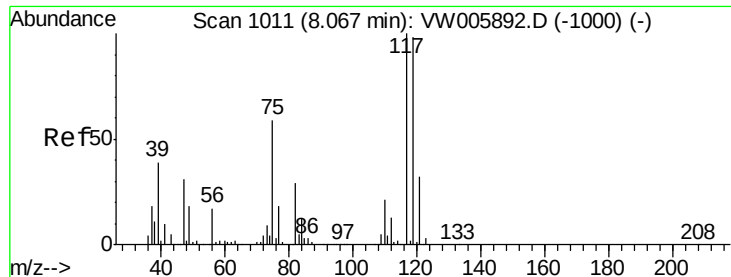
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

0691-KM-PA-AMD-COMP

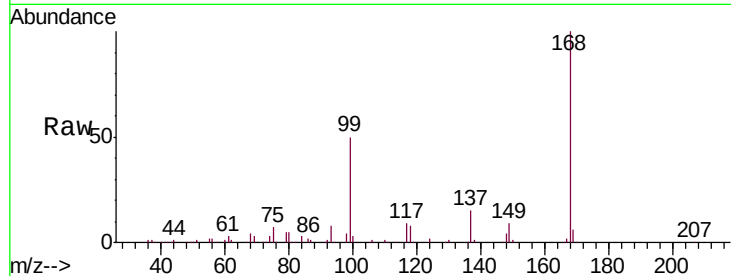
Tgt Ion:117 Resp: 15032

Ion Ratio Lower Upper

117 100

119 4.3 78.6 117.8#

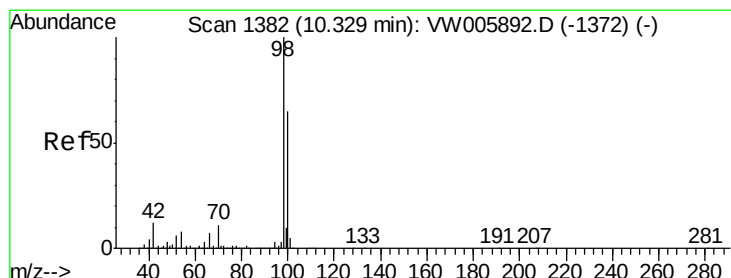
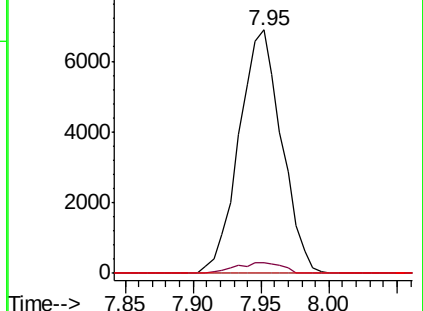
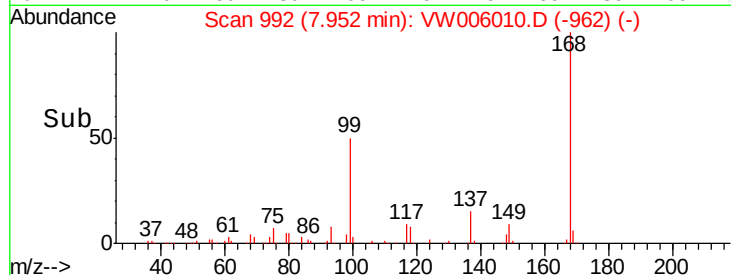
121 0.0 25.3 37.9#



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: 46.143 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006010.D

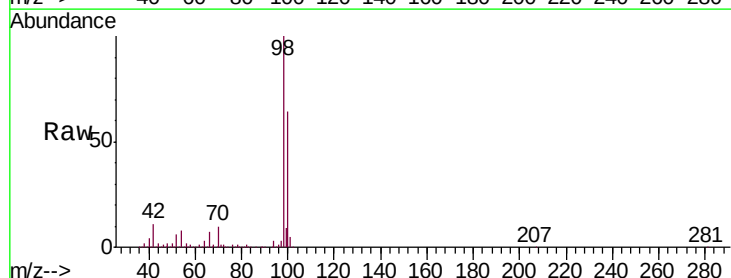
Acq: 11 Oct 2018 02:25

Tgt Ion: 98 Resp: 288300

Ion Ratio Lower Upper

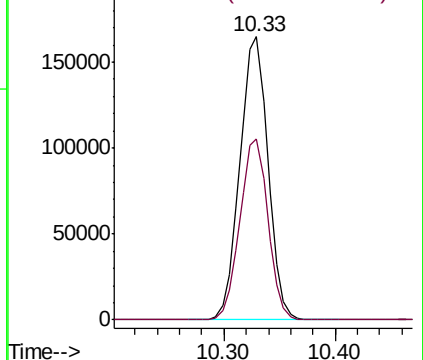
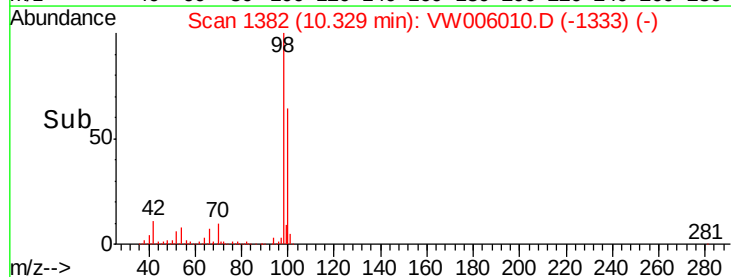
98 100

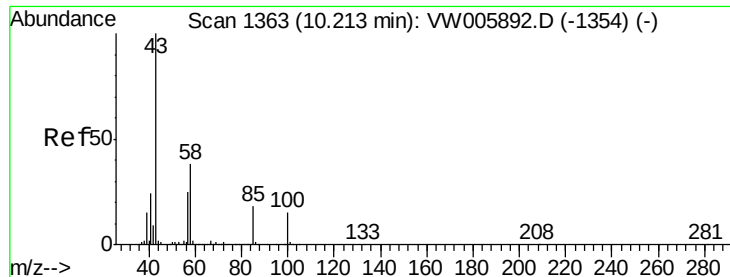
100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.366 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

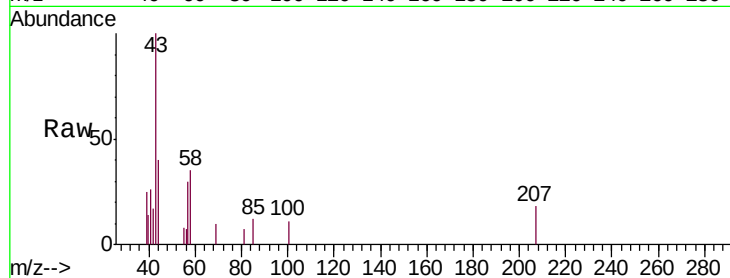
0691-KM-PA-AMD-COMP

Tgt Ion: 43 Resp: 1434

Ion Ratio Lower Upper

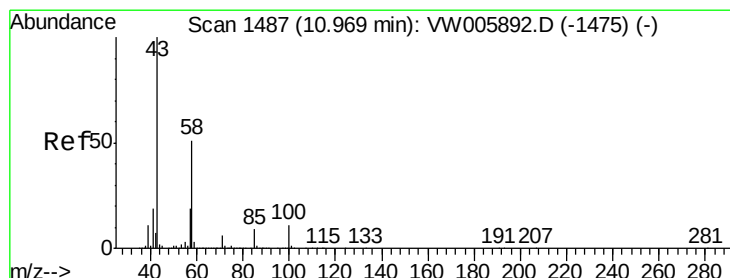
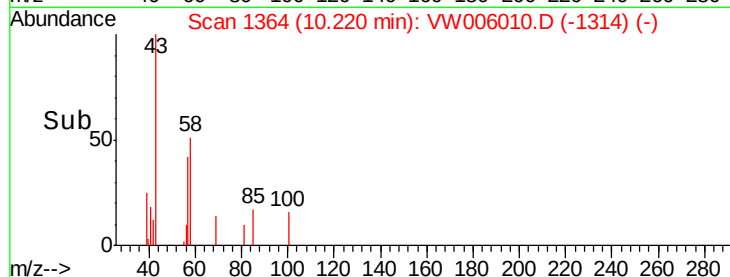
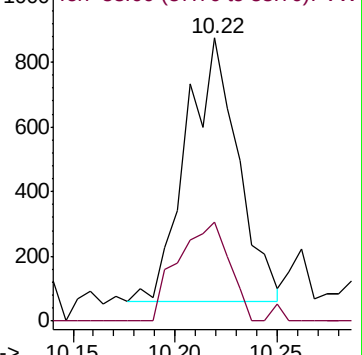
43 100

58 37.4 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#59

2-Hexanone

Concen: 1.127 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW006010.D

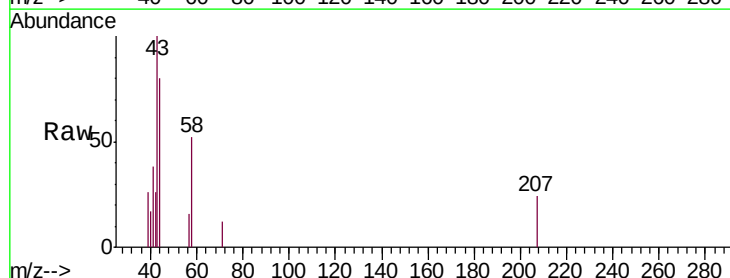
Acq: 11 Oct 2018 02:25

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

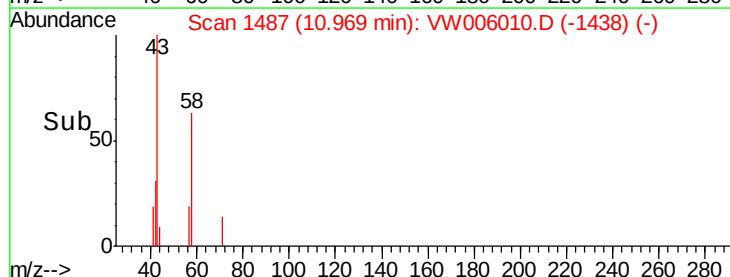
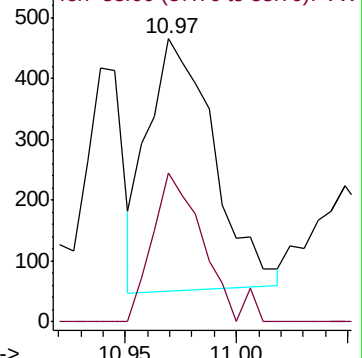
43 100

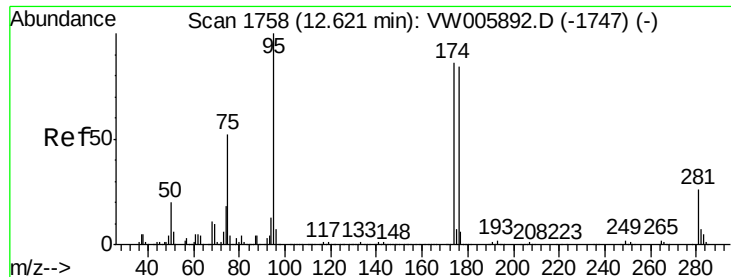
58 46.2 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 37.183 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

0691-KM-PA-AMD-COMP

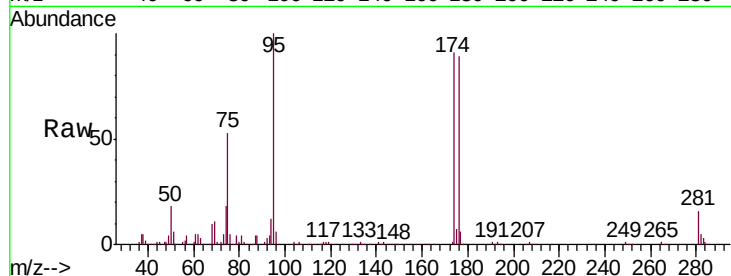
Tgt Ion: 95 Resp: 88387

Ion Ratio Lower Upper

95 100

174 93.1 0.0 176.4

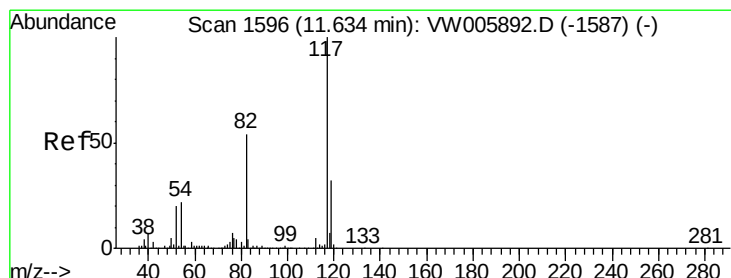
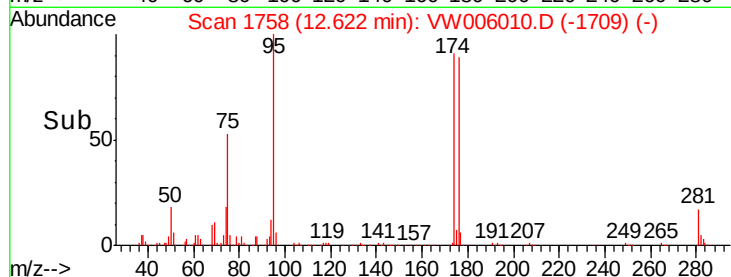
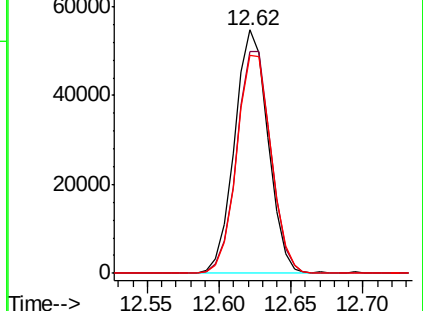
176 91.8 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006010.D

Acq: 11 Oct 2018 02:25

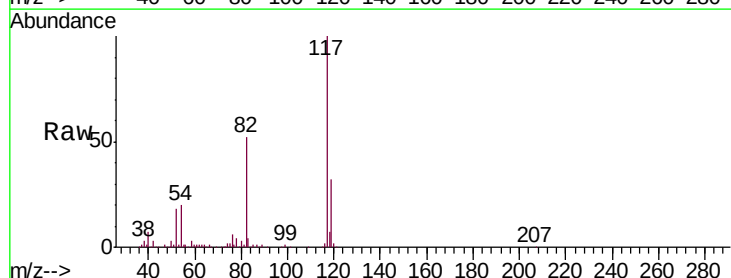
Tgt Ion: 117 Resp: 211168

Ion Ratio Lower Upper

117 100

82 52.1 43.5 65.3

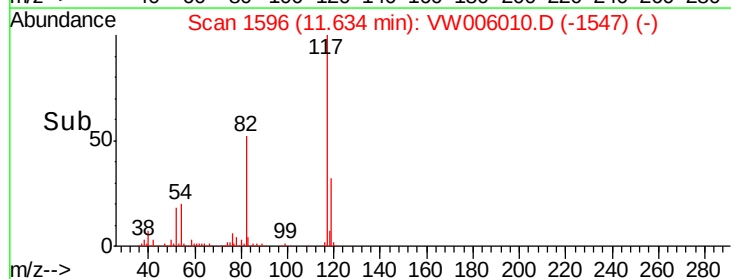
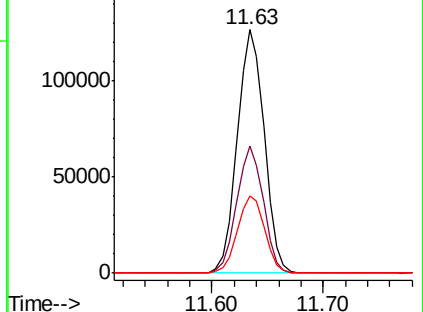
119 31.9 25.4 38.2

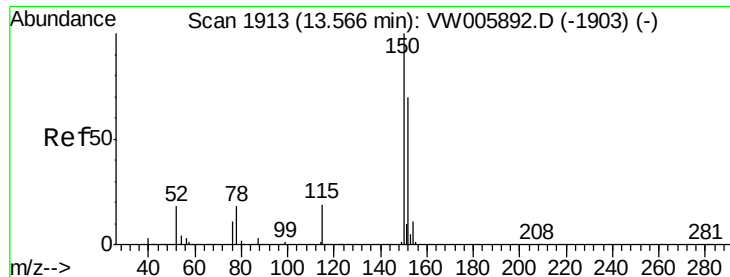


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



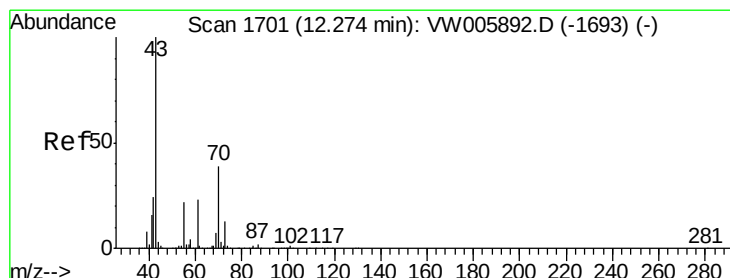
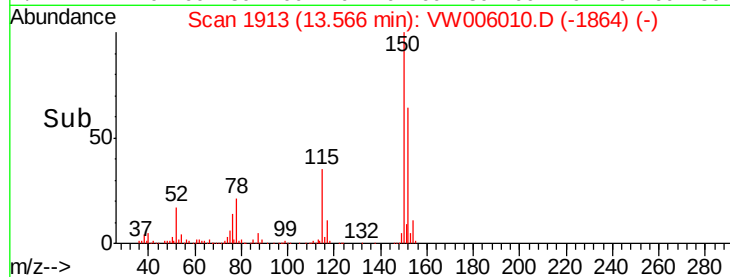
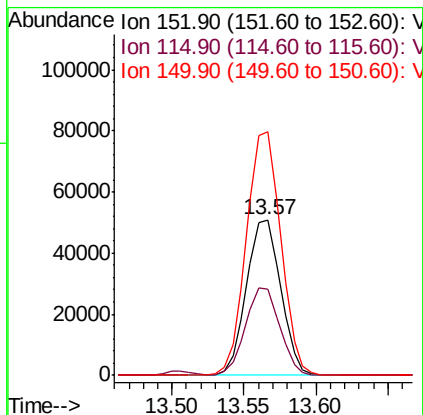
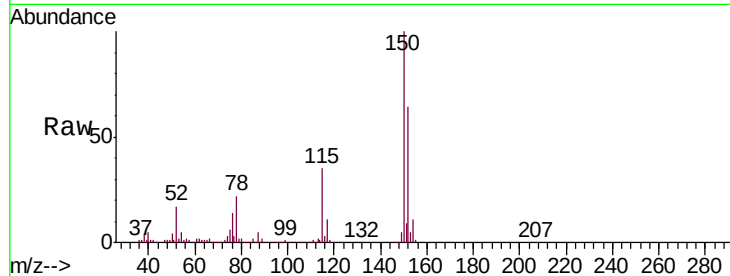


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006010.D
Acq: 11 Oct 2018 02:25

Instrument :
MSVOA_W
ClientSampleId :
0691-KM-PA-AMD-COMP

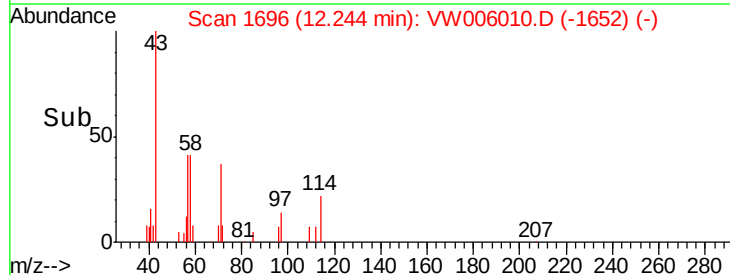
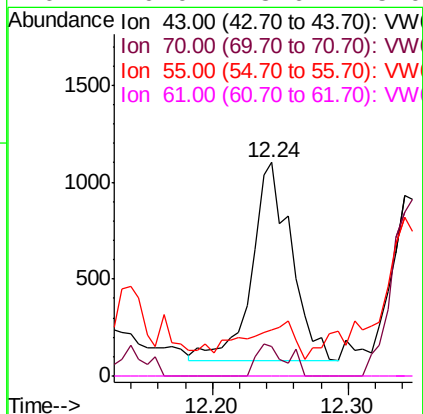
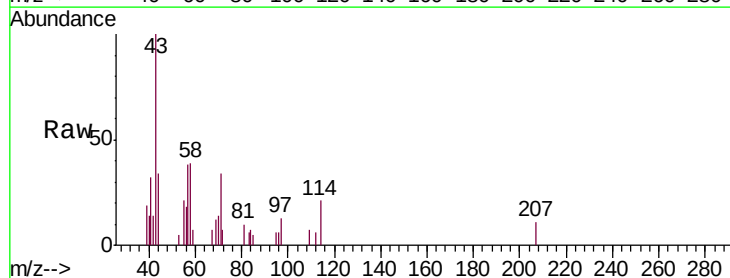
Tgt Ion: 152 Resp: 83814
Ion Ratio Lower Upper
152 100
115 56.4 28.3 85.0
150 157.0 0.0 349.2

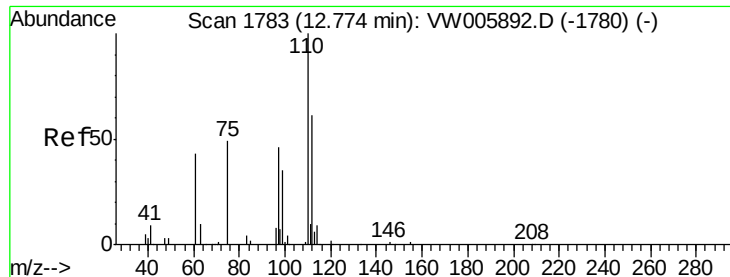


#74

N-ethyl acetate
Concen: 1.432 ug/l
RT: 12.24 min Scan# 1696
Delta R.T. -0.03 min
Lab File: VW006010.D
Acq: 11 Oct 2018 02:25

Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
70 12.3 31.6 47.4#
55 24.3 17.9 26.9
61 0.0 18.6 28.0#

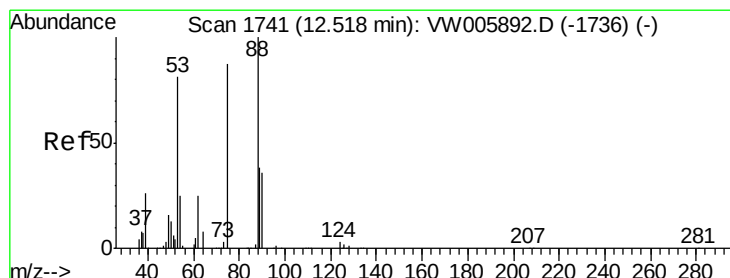
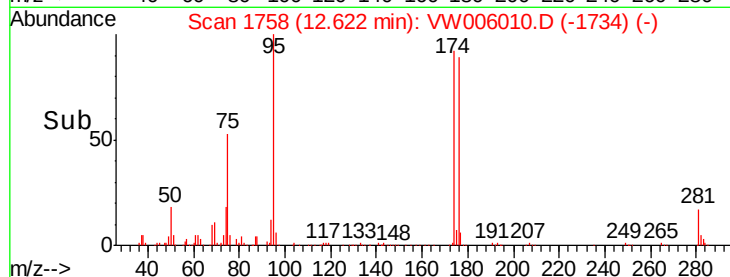
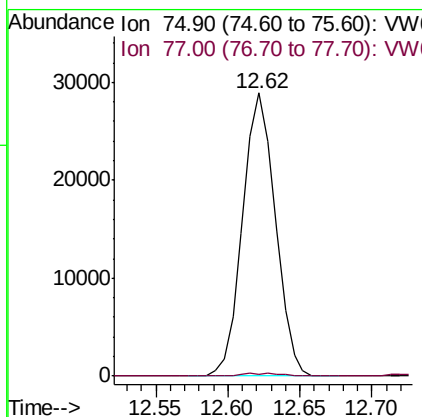
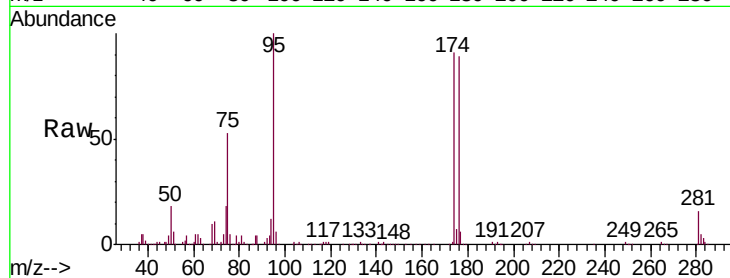




#76
 1,2,3-Trichloropropane
 Concen: 60.913 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006010.D
 Acq: 11 Oct 2018 02:25

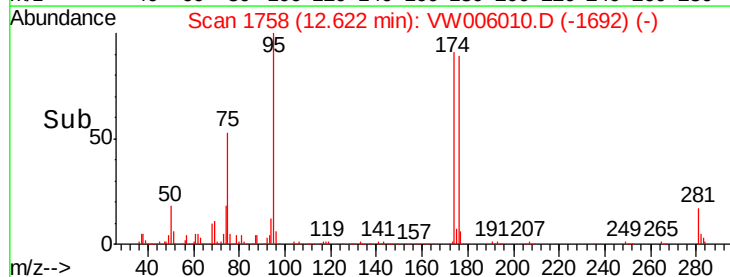
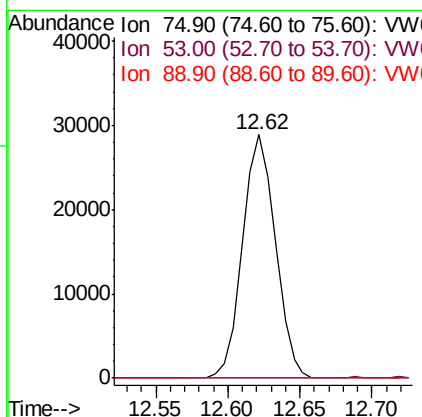
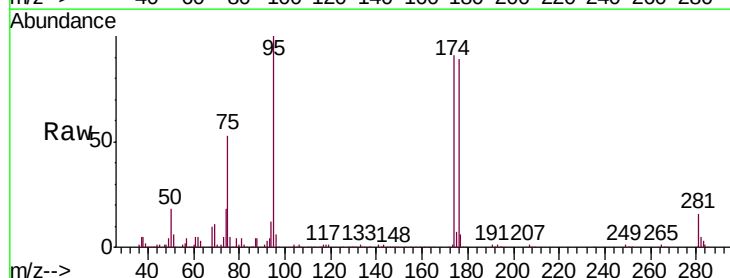
Instrument :
 MSVOA_W
 ClientSampleId :
 0691-KM-PA-AMD-COMP

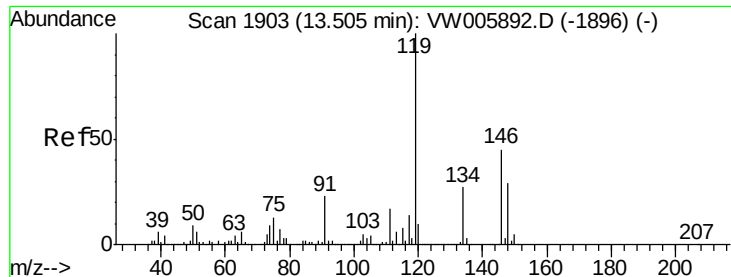
Tgt Ion: 75 Resp: 45605
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.594 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006010.D
 Acq: 11 Oct 2018 02:25

Tgt Ion: 75 Resp: 45605
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.5 114.7#
 89 0.0 37.6 56.4#

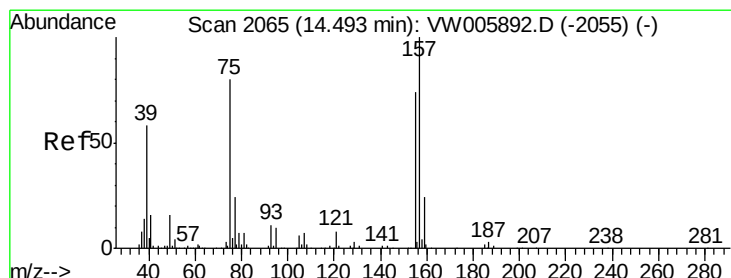
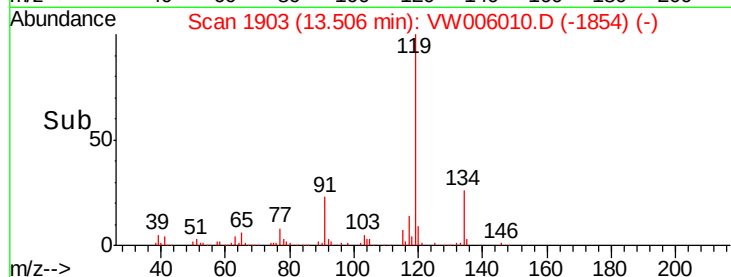
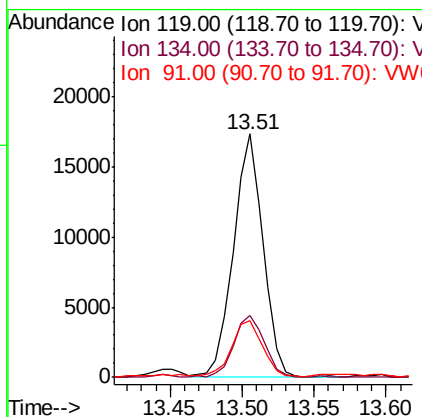
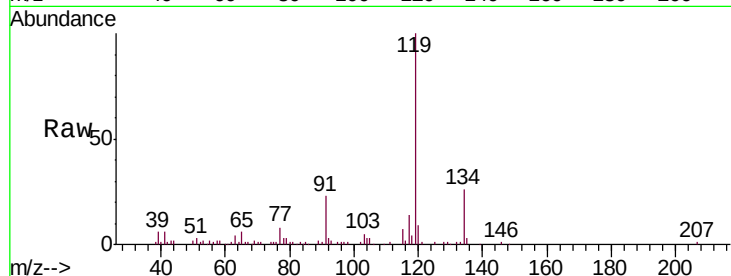




#86
p-Isopropyltoluene
Concen: 4.296 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006010.D
Acq: 11 Oct 2018 02:25

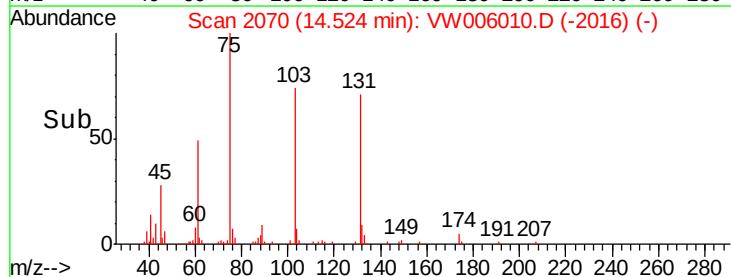
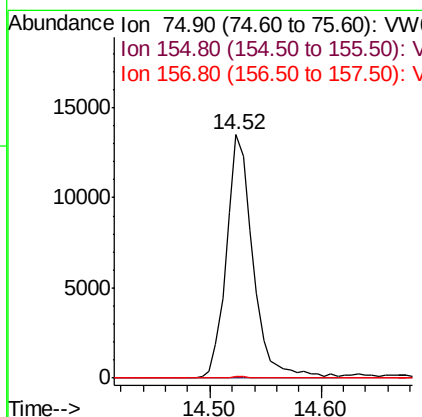
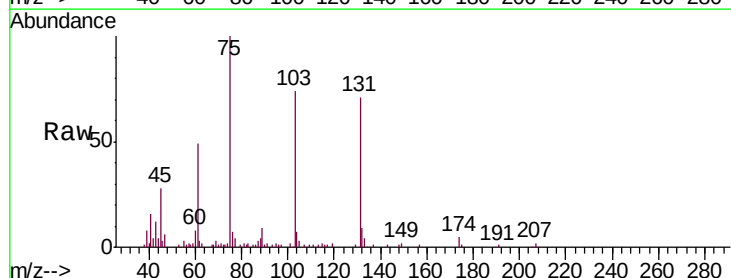
Instrument :
MSVOA_W
ClientSampleId :
0691-KM-PA-AMD-COMP

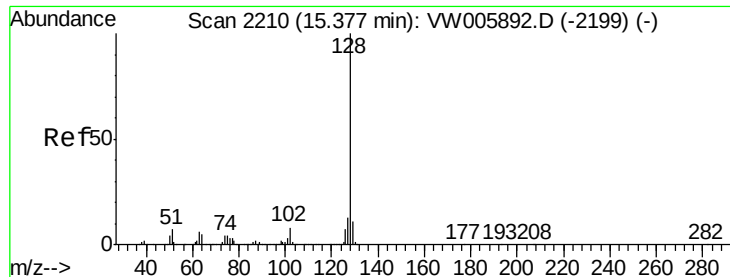
Tgt Ion:119 Resp: 24926
Ion Ratio Lower Upper
119 100
134 26.2 13.5 40.5
91 23.8 11.9 35.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 119.548 ug/l
RT: 14.52 min Scan# 2070
Delta R.T. 0.03 min
Lab File: VW006010.D
Acq: 11 Oct 2018 02:25

Tgt Ion: 75 Resp: 22352
Ion Ratio Lower Upper
75 100
155 0.0 44.8 134.3#
157 0.2 58.9 176.6#

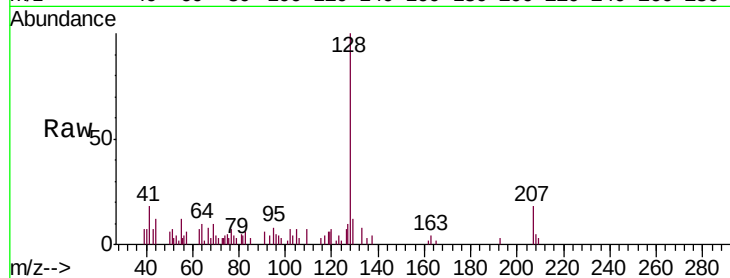




#95
Naphthalene
Concen: 1.348 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006010.D
Acq: 11 Oct 2018 02:25

Instrument :
MSVOA_W
ClientSampleId :
0691-KM-PA-AMD-COMP

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	15.9	8.9	13.3



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

