

Data File : VW006009.D
Acq On : 11 Oct 2018 02:00
Operator : SY/AP
Sample : J5375-01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0688-KM-PA-COMP

Quant Time: Oct 11 05:41:41 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	199924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	294742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	108490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	95596	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	7.88	113	87989	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	10.33	98	330786	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
62) 4-Bromofluorobenzene	12.62	95	106257	38.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.14%	

Target Compounds

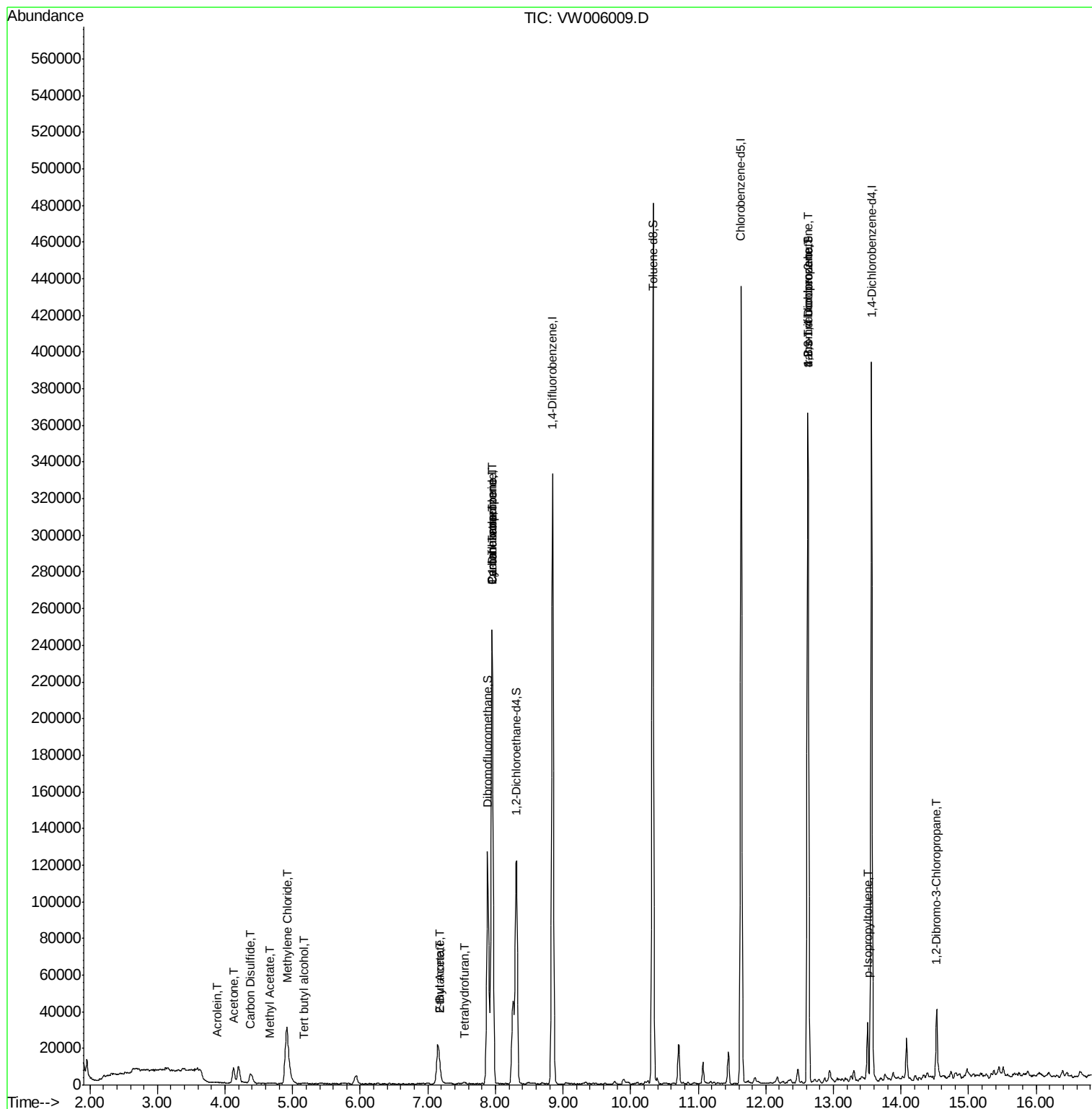
						Qvalue
11) Tert butyl alcohol	5.17	59	774	5.442	ug/l #	74
13) Acrolein	3.89	56	375	2.958	ug/l #	71
16) Acetone	4.12	43	13815	35.637	ug/l	95
17) Carbon Disulfide	4.37	76	12577	2.364	ug/l	100
18) Methyl Acetate	4.67	43	1324	1.353	ug/l #	54
20) Methylene Chloride	4.92	84	29887	15.388	ug/l	97
25) 2-Butanone	7.18	43	7082	12.844	ug/l	93
29) Tetrahydrofuran	7.54	42	516	1.480	ug/l #	57
31) Cyclohexane	7.95	56	3847	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13173	4.664	ug/l #	49
37) Ethyl Acetate	7.18	43	7082	5.922	ug/l #	69
38) Carbon Tetrachloride	7.95	117	17713	5.838	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	54054	55.777	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54054	117.751	ug/l #	11
86) p-Isopropyltoluene	13.51	119	17027	2.267	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14065	58.116	ug/l #	1

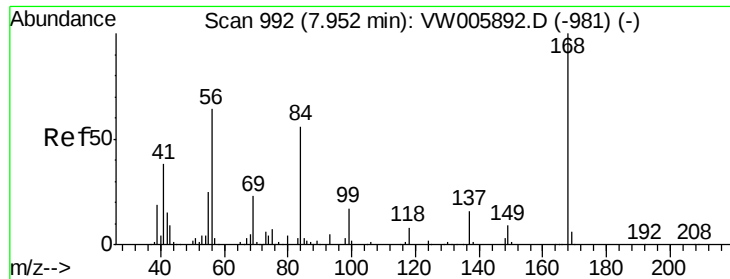
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006009.D

Acq: 11 Oct 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

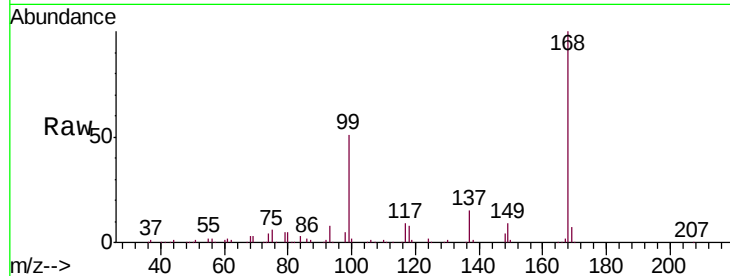
0688-KM-PA-COMP

Tgt Ion:168 Resp: 199924

Ion Ratio Lower Upper

168 100

99 50.7 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

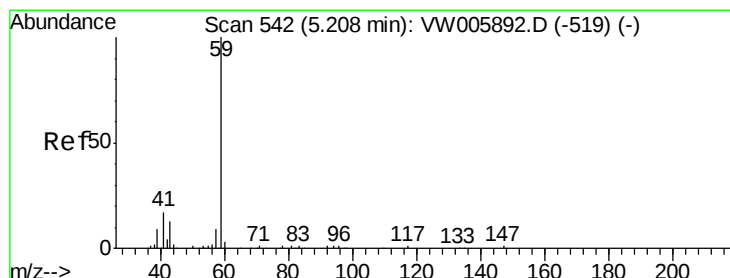
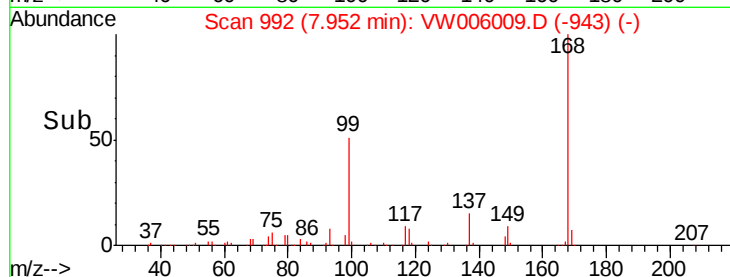
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.442 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.04 min

Lab File: VW006009.D

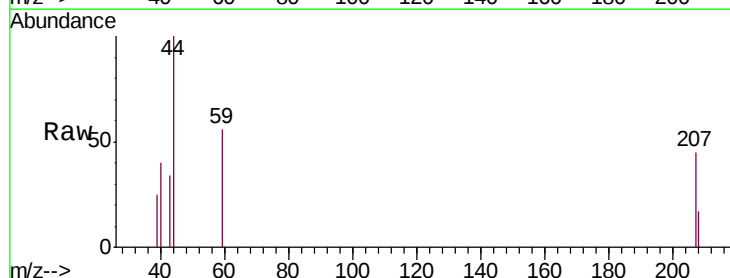
Acq: 11 Oct 2018 02:00

Tgt Ion: 59 Resp: 774

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

5.17

200

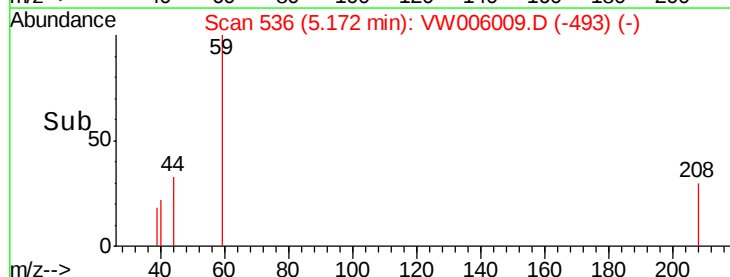
150

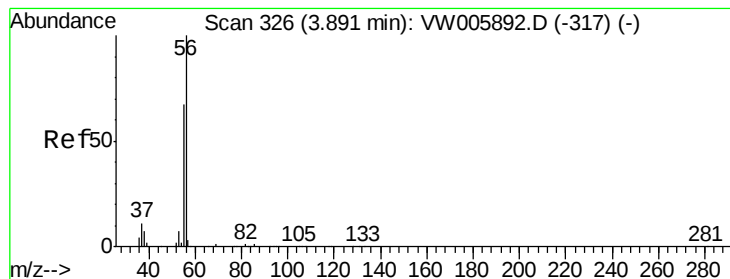
100

50

0

Time-->





#13

Acrolein

Concen: 2.958 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW006009.D

Acq: 11 Oct 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

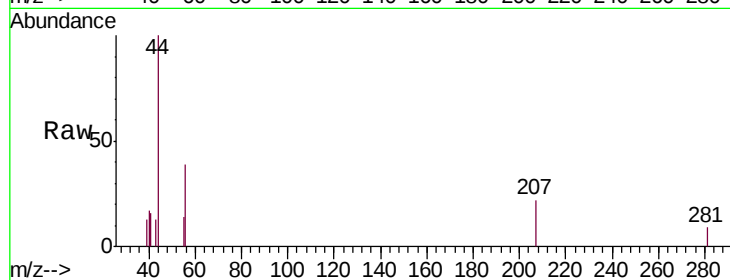
0688-KM-PA-COMP

Tgt Ion: 56 Resp: 375

Ion Ratio Lower Upper

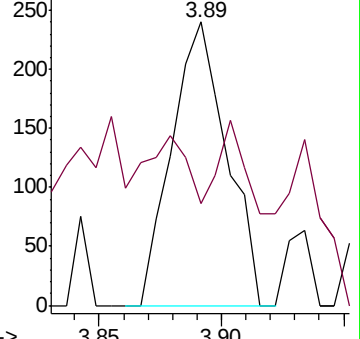
56 100

55 45.1 54.6 82.0#

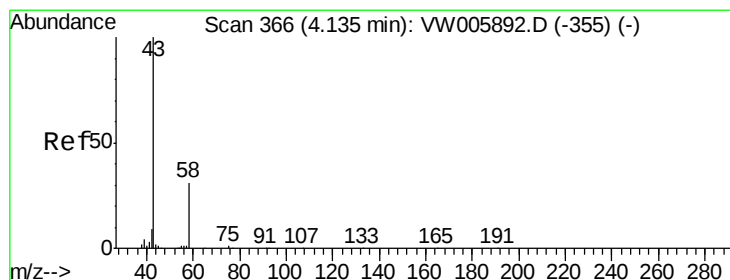
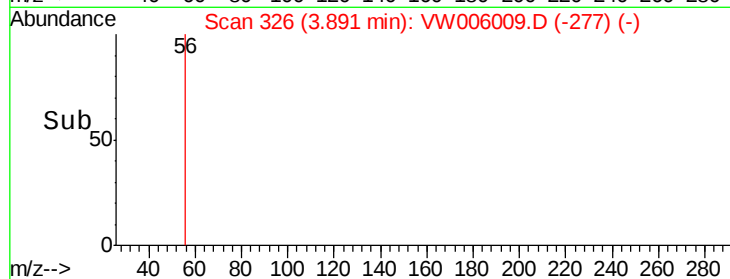


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: 35.637 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW006009.D

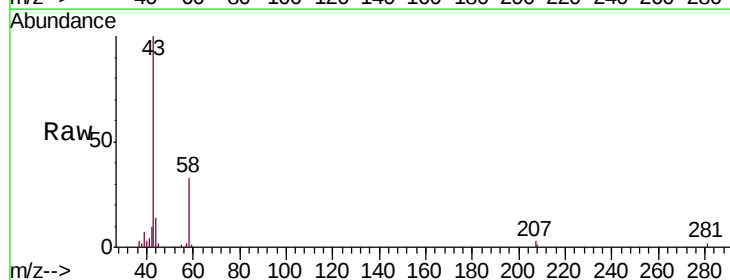
Acq: 11 Oct 2018 02:00

Tgt Ion: 43 Resp: 13815

Ion Ratio Lower Upper

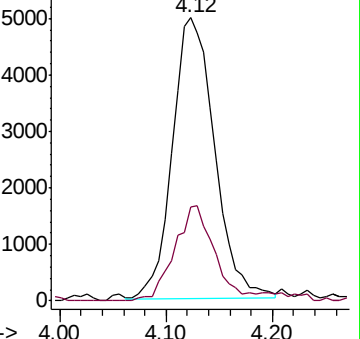
43 100

58 33.5 24.7 37.1

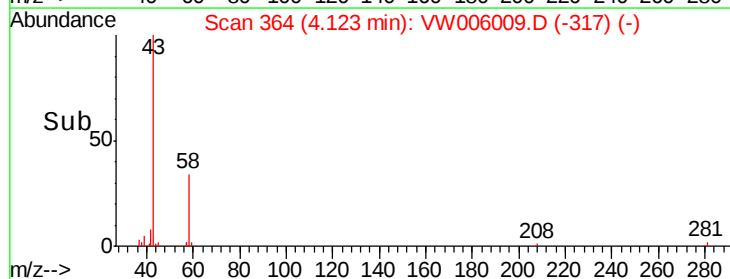


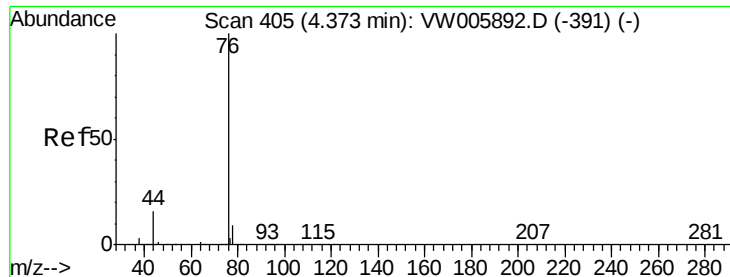
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->





#17

Carbon Disulfide

Concen: 2.364 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW006009.D

Acq: 11 Oct 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

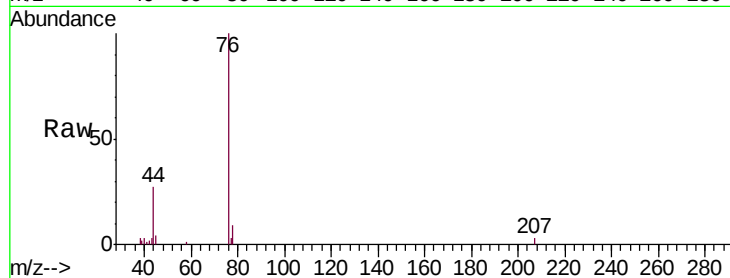
0688-KM-PA-COMP

Tgt Ion: 76 Resp: 12577

Ion Ratio Lower Upper

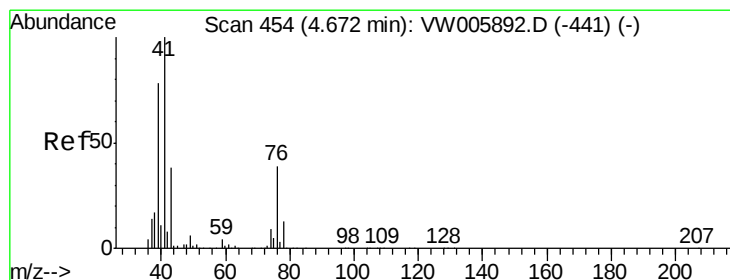
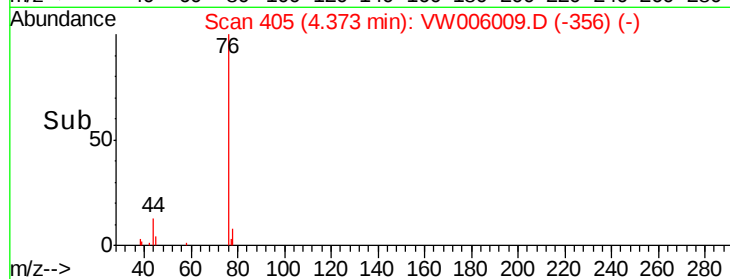
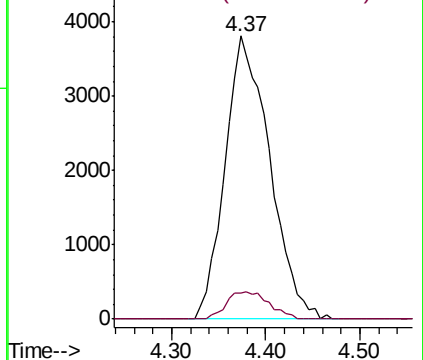
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.353 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW006009.D

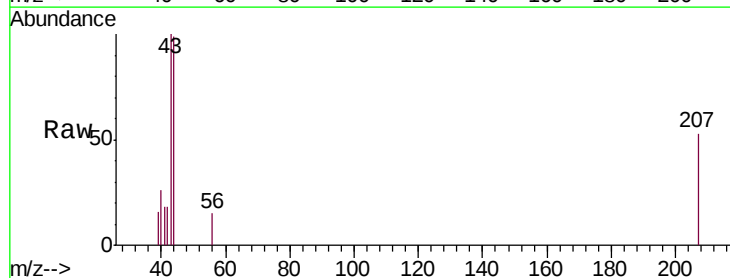
Acq: 11 Oct 2018 02:00

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

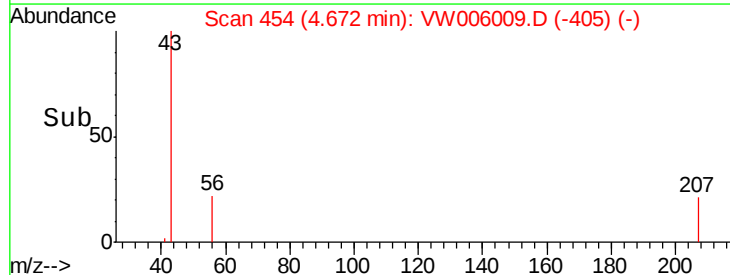
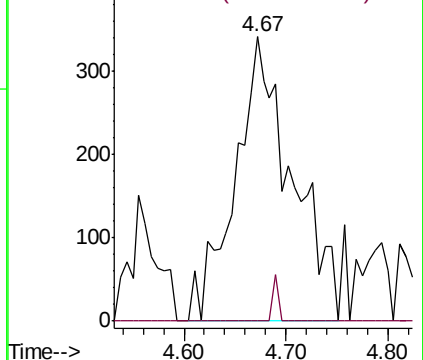
43 100

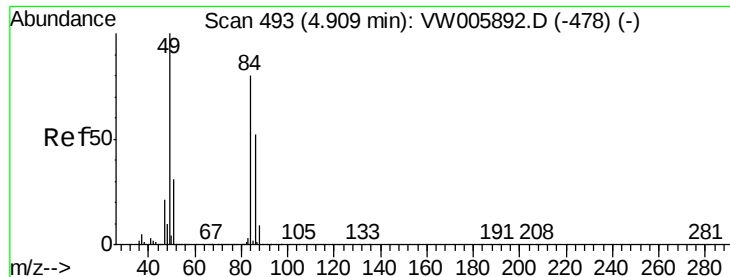
74 1.5 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

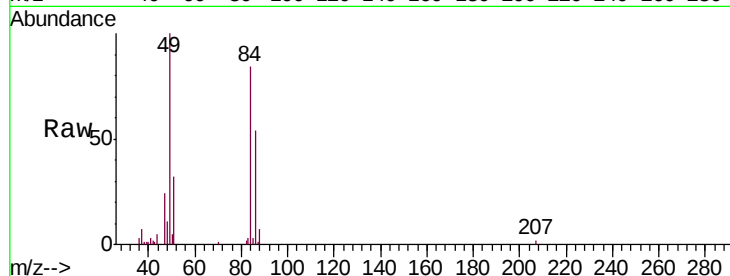




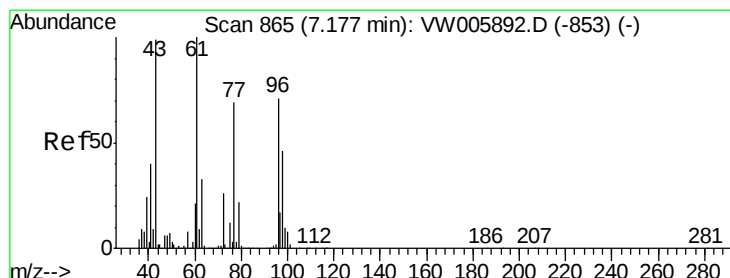
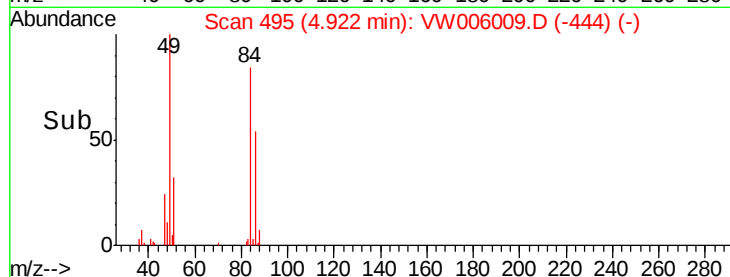
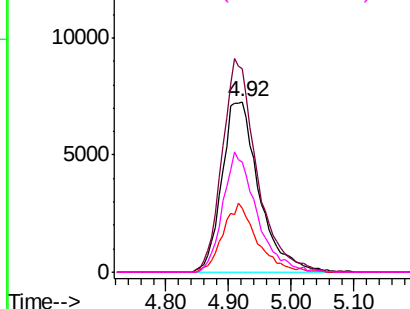
#20
Methylene Chloride
Concen: 15.388 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

Instrument :
MSVOA_W
ClientSampleId :
0688-KM-PA-COMP

Tgt Ion:	84	Resp:	29887
Ion	Ratio	Lower	Upper
84	100		
49	119.1	99.9	149.9
51	37.7	31.1	46.7
86	64.5	51.8	77.6

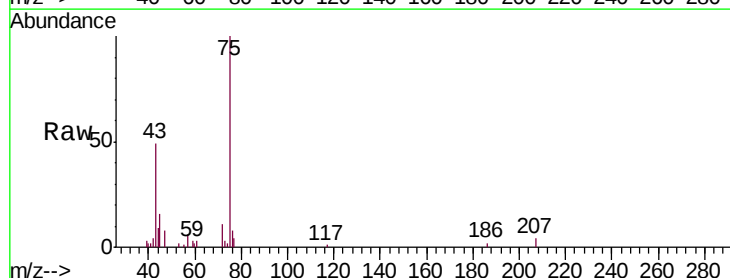


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

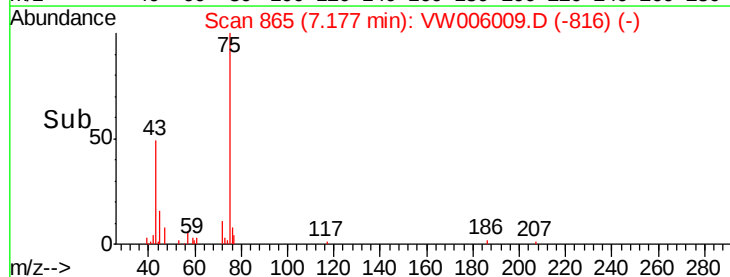
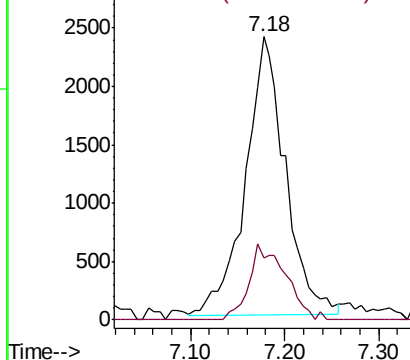


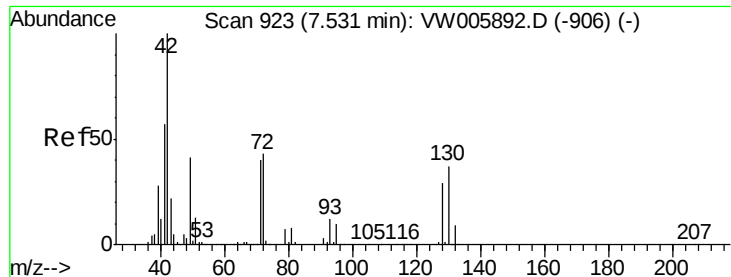
#25
2-Butanone
Concen: 12.844 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

Tgt Ion:	43	Resp:	7082
Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.0	31.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

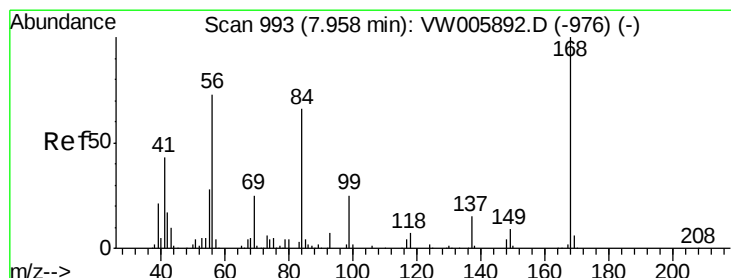
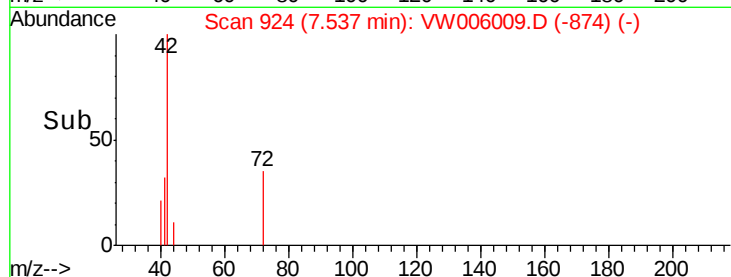
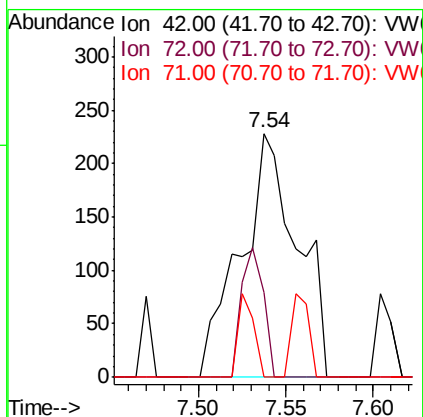
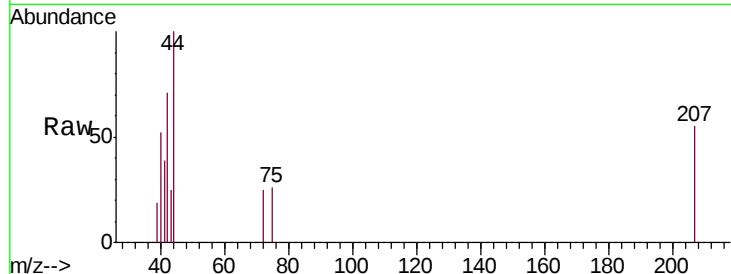




#29
Tetrahydrofuran
Concen: 1.480 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

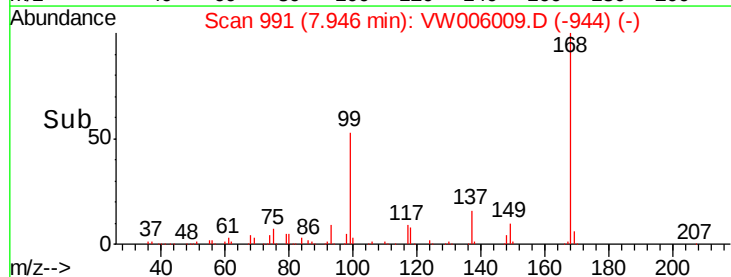
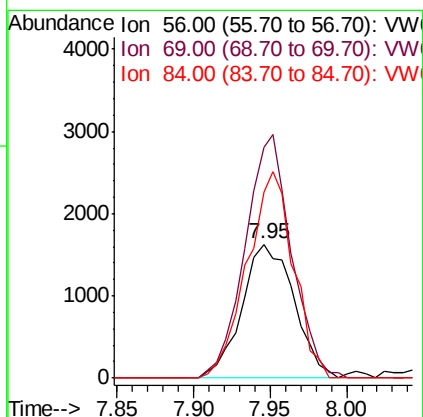
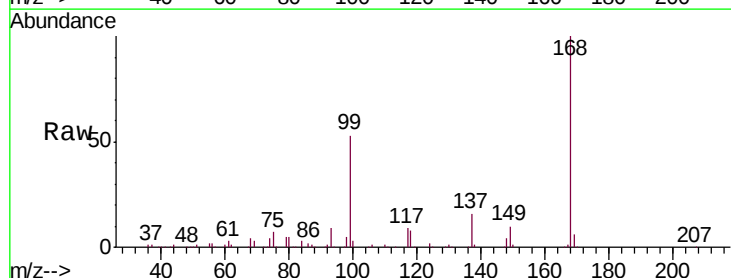
Instrument :
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0688-KM-PA-COMP

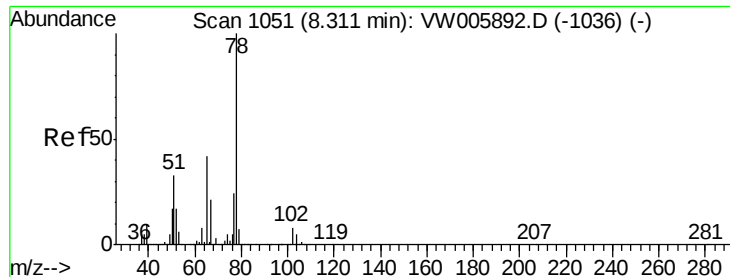
Tgt Ion: 42 Resp: 516
Ion Ratio Lower Upper
42 100
72 20.5 34.6 51.8#
71 9.5 32.6 49.0#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

Tgt Ion: 56 Resp: 3847
Ion Ratio Lower Upper
56 100
69 172.5 27.9 41.9#
84 138.8 72.3 108.5#

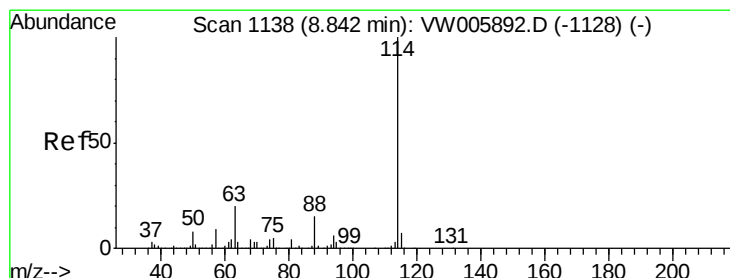
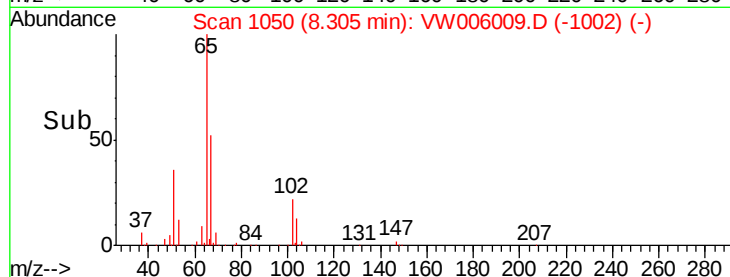
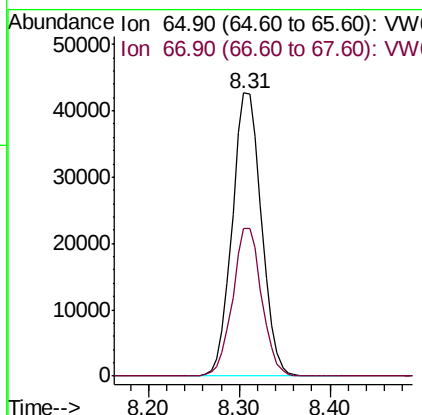
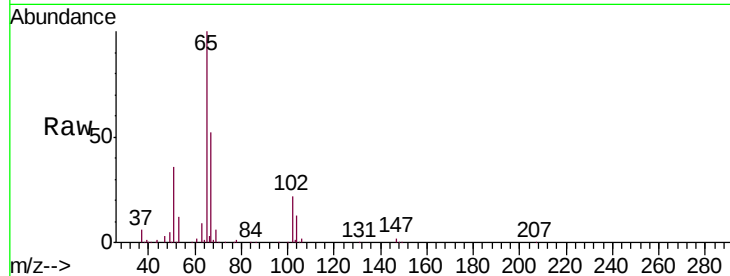




#33
 1,2-Dichloroethane-d4
 Concen: 49.256 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006009.D
 Acq: 11 Oct 2018 02:00

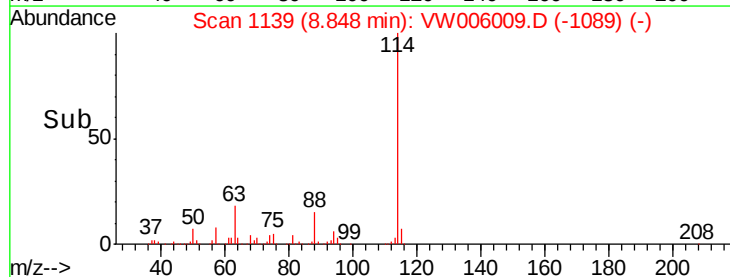
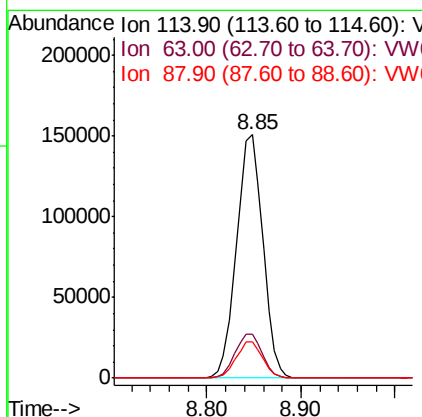
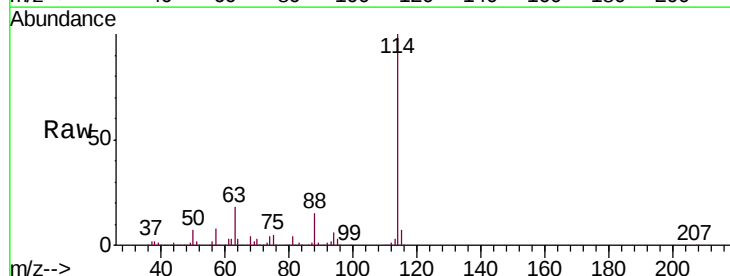
Instrument :
 MSVOA_W
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 0688-KM-PA-COMP

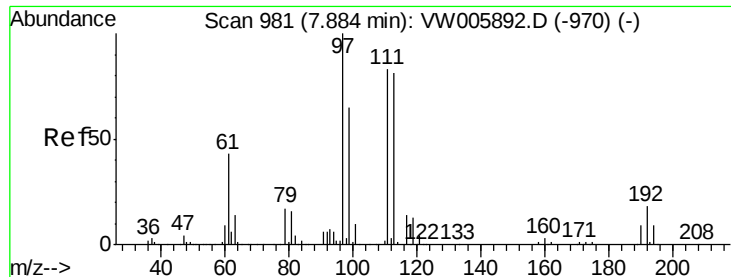
Tgt Ion: 65 Resp: 95596
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006009.D
 Acq: 11 Oct 2018 02:00

Tgt Ion: 114 Resp: 294742
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.2
 88 14.7 0.0 30.8

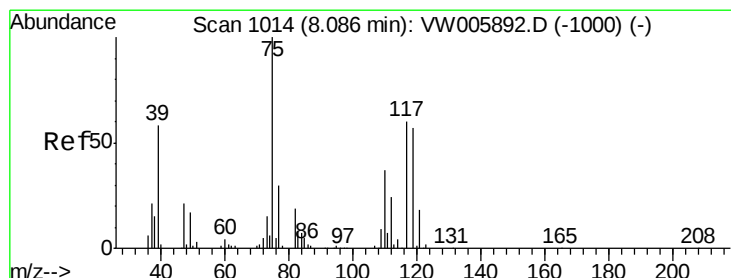
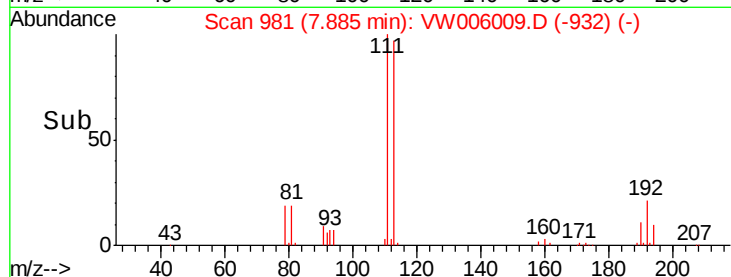
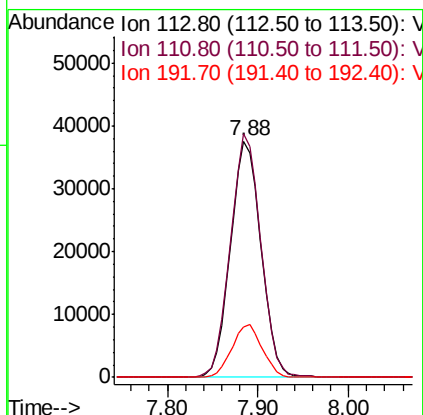
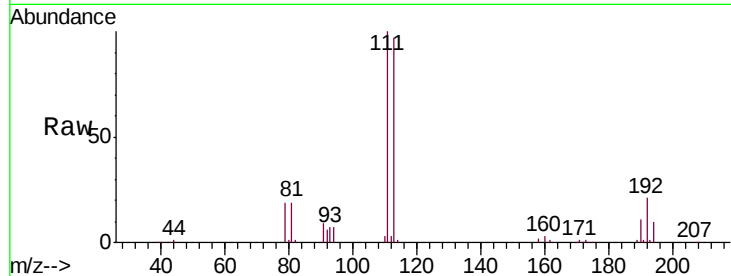




#35
 Dibromofluoromethane
 Concen: 46.758 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW006009.D
 Acq: 11 Oct 2018 02:00

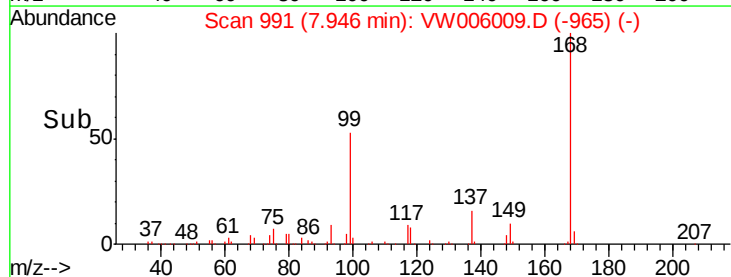
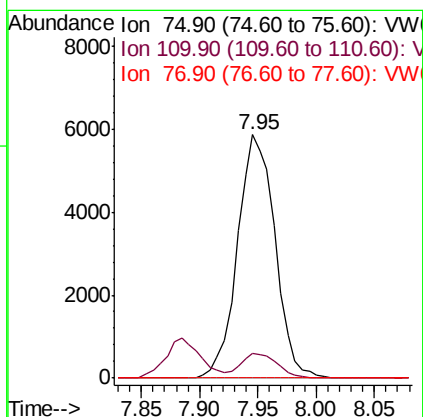
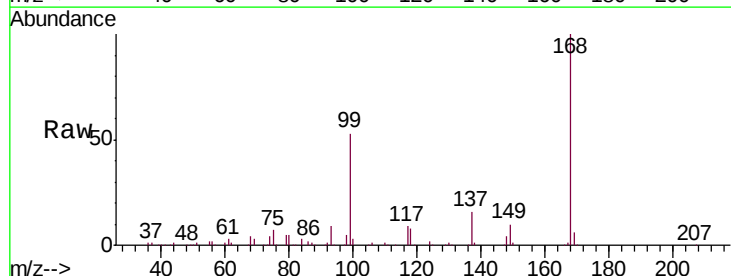
Instrument :
 MSVOA_W
 ClientSampleId :
 0688-KM-PA-COMP

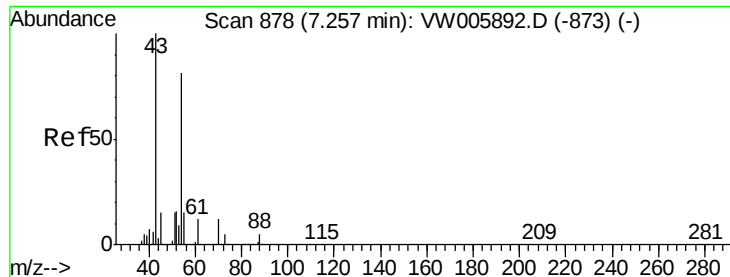
Tgt Ion:113 Resp: 87989
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 22.2 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 4.664 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006009.D
 Acq: 11 Oct 2018 02:00

Tgt Ion: 75 Resp: 13173
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.6 56.0#
 77 0.0 24.7 37.1#

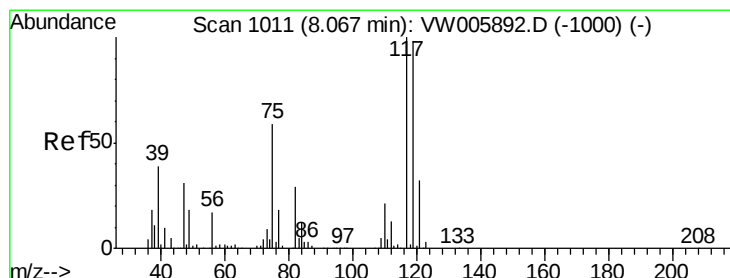
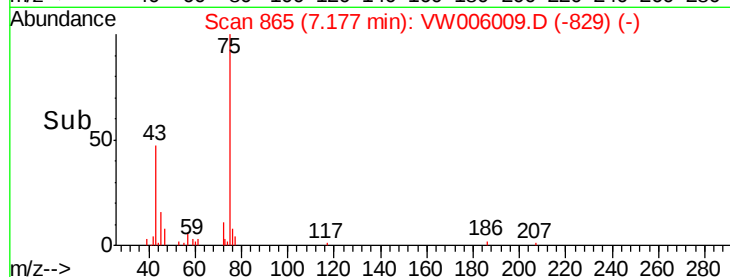
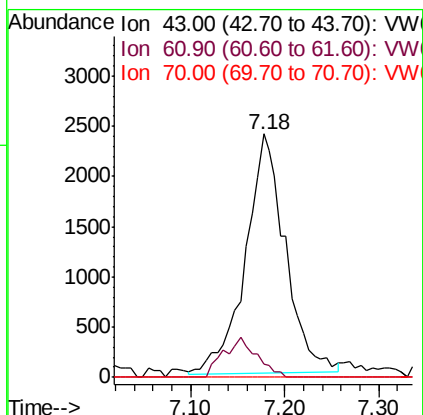
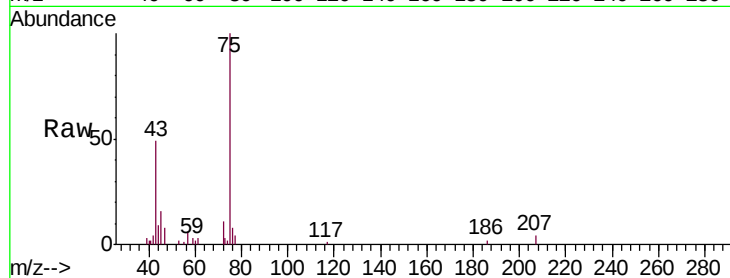




#37
Ethyl Acetate
Concen: 5.922 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.08 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

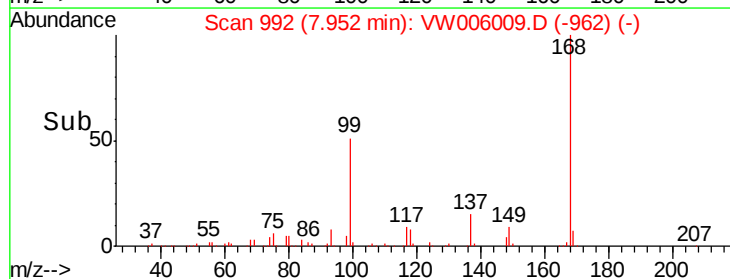
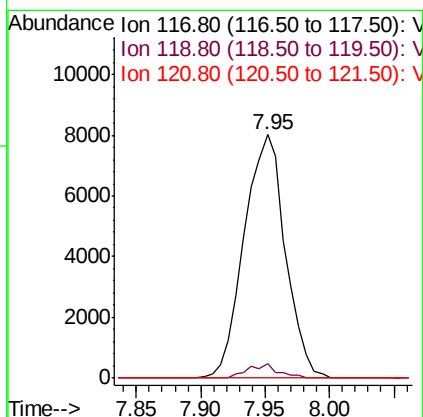
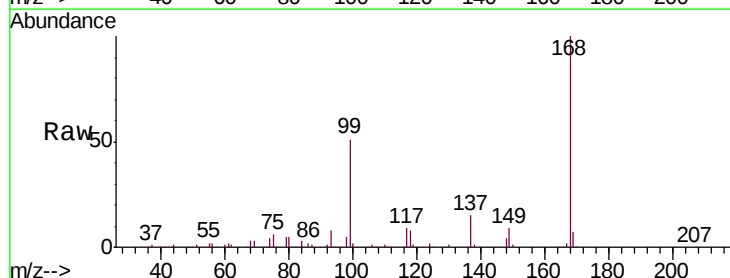
Instrument :
MSVOA_W
ClientSampleId :
0688-KM-PA-COMP

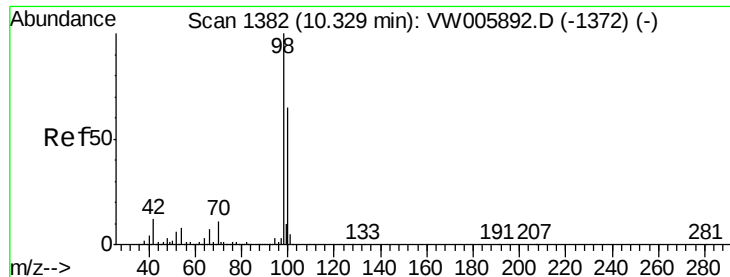
Tgt Ion: 43 Resp: 7082
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

Tgt Ion: 117 Resp: 17713
Ion Ratio Lower Upper
117 100
119 6.0 78.6 117.8#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 45.688 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006009.D

Acq: 11 Oct 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

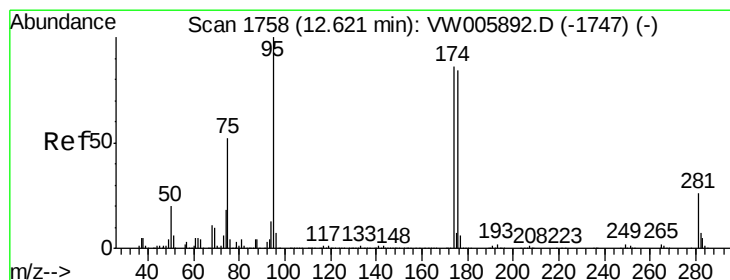
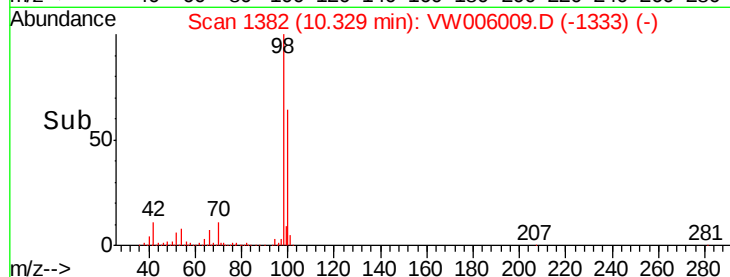
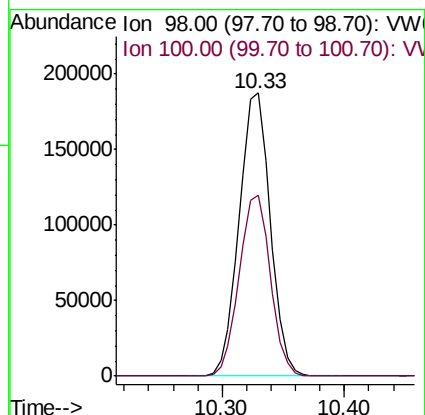
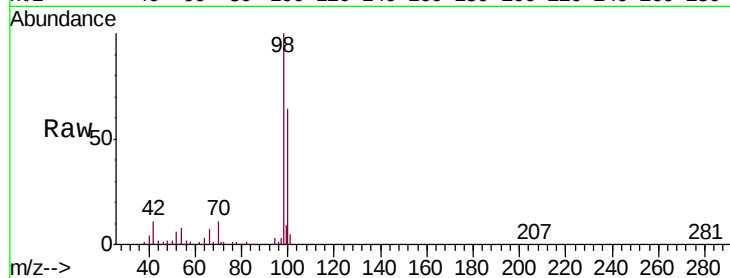
0688-KM-PA-COMP

Tgt Ion: 98 Resp: 330786

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 38.575 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006009.D

Acq: 11 Oct 2018 02:00

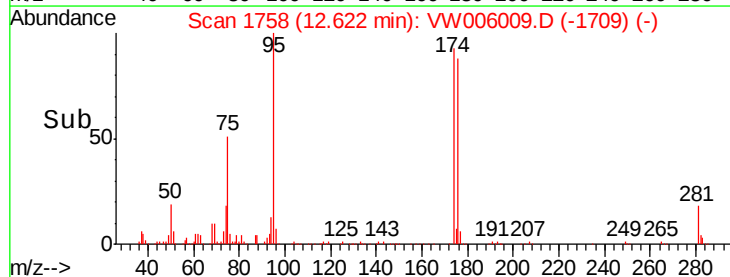
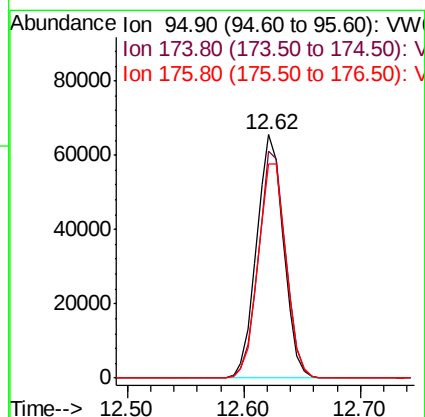
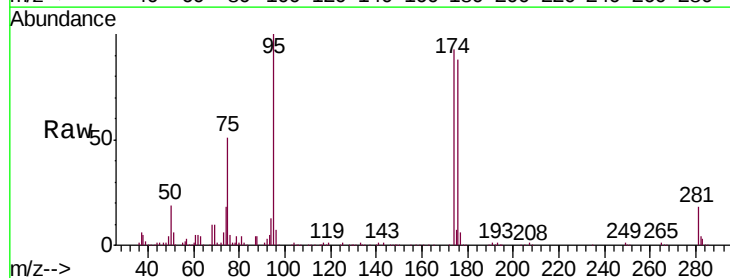
Tgt Ion: 95 Resp: 106257

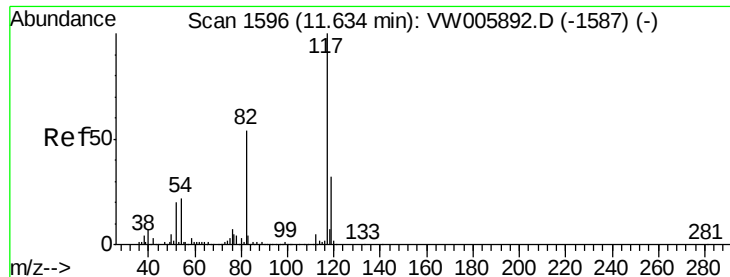
Ion Ratio Lower Upper

95 100

174 93.5 0.0 176.4

176 91.0 0.0 173.0

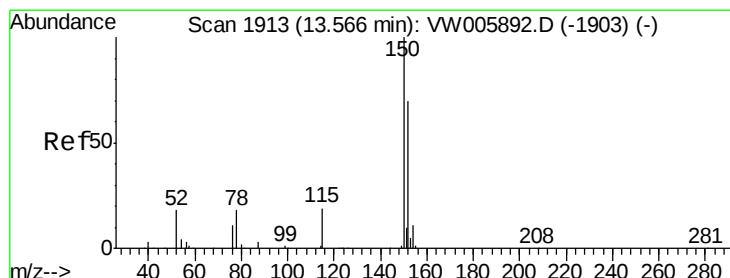
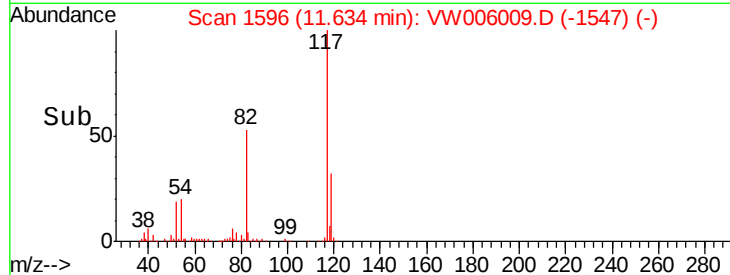
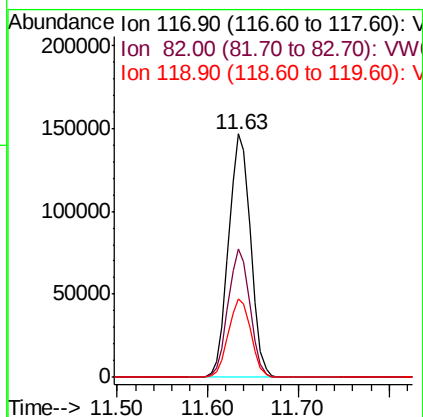
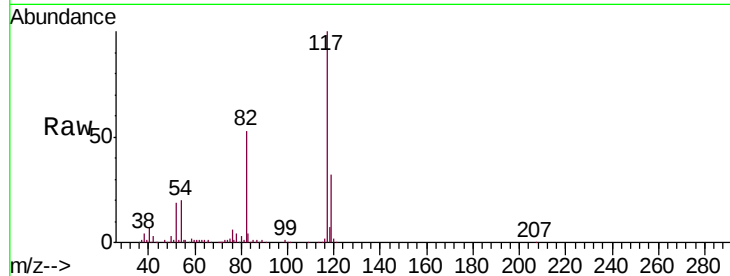




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

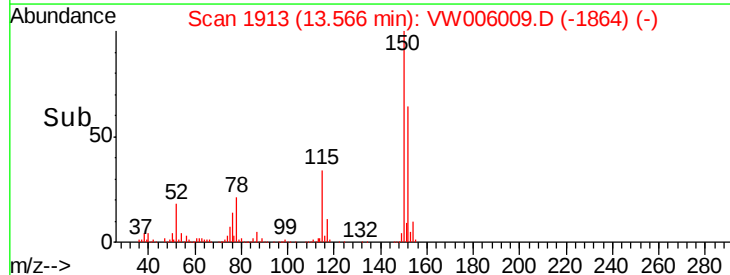
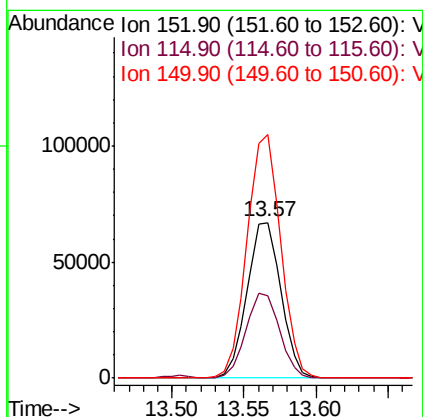
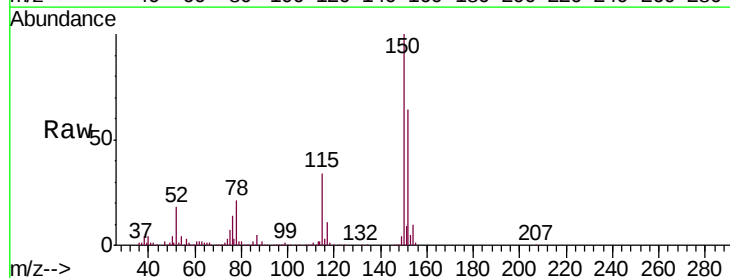
Instrument :
MSVOA_W
ClientSampleId :
0688-KM-PA-COMP

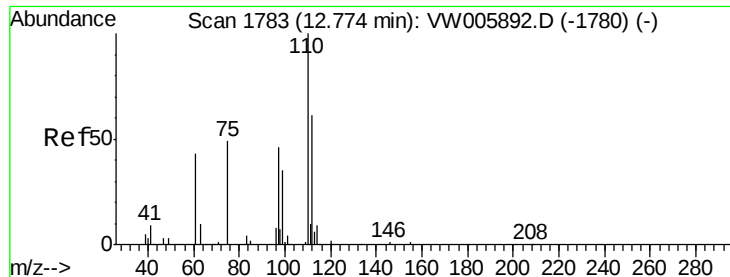
Tgt Ion:117 Resp: 246486
Ion Ratio Lower Upper
117 100
82 52.8 43.5 65.3
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

Tgt Ion:152 Resp: 108490
Ion Ratio Lower Upper
152 100
115 54.5 28.3 85.0
150 156.0 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 55.777 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006009.D

Acq: 11 Oct 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

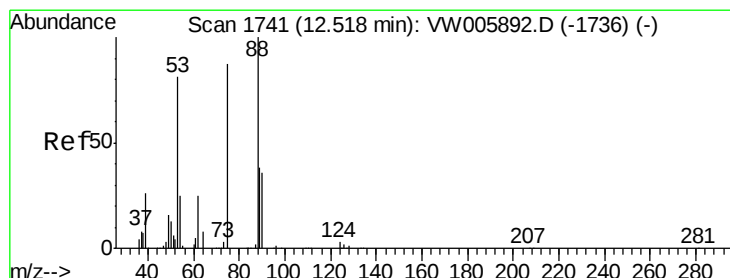
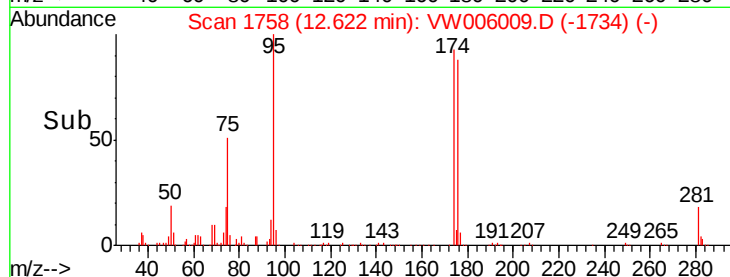
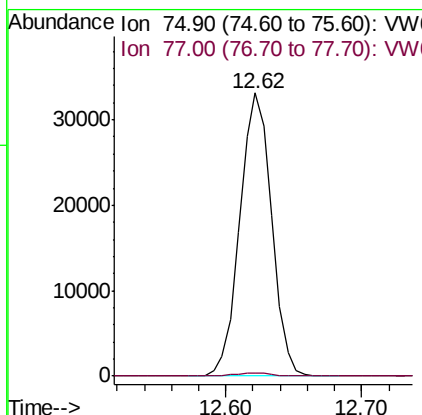
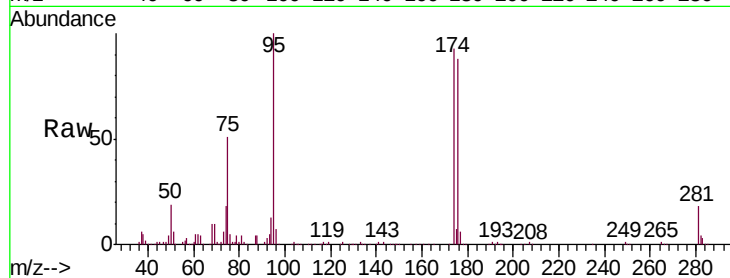
0688-KM-PA-COMP

Tgt Ion: 75 Resp: 54054

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.751 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006009.D

Acq: 11 Oct 2018 02:00

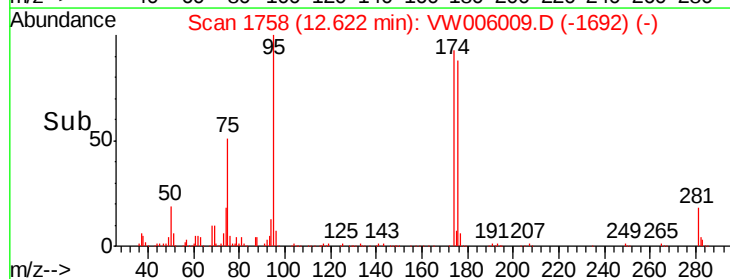
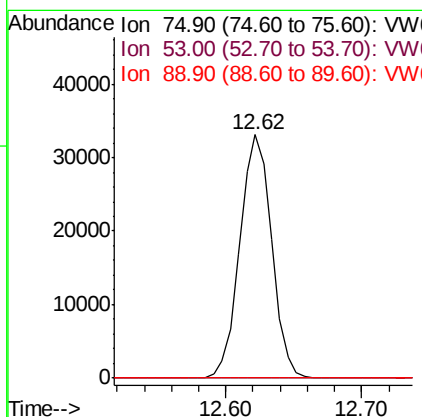
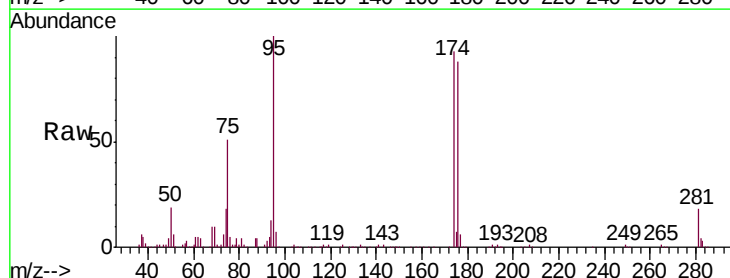
Tgt Ion: 75 Resp: 54054

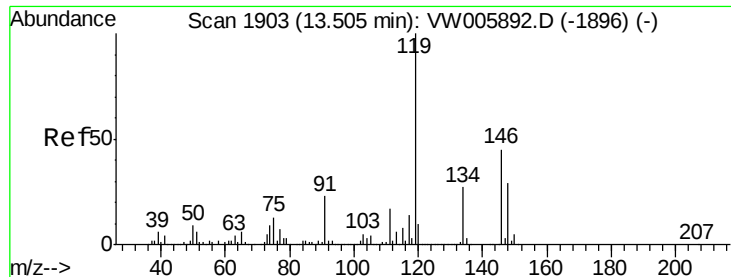
Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.1 37.6 56.4#

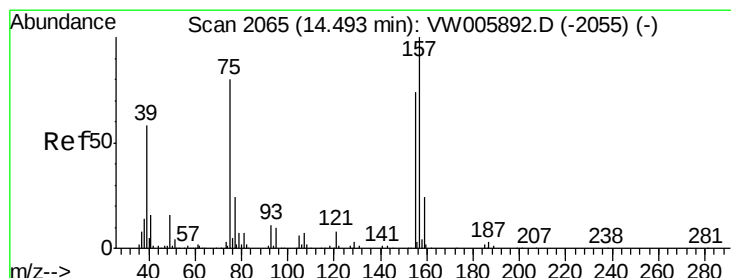
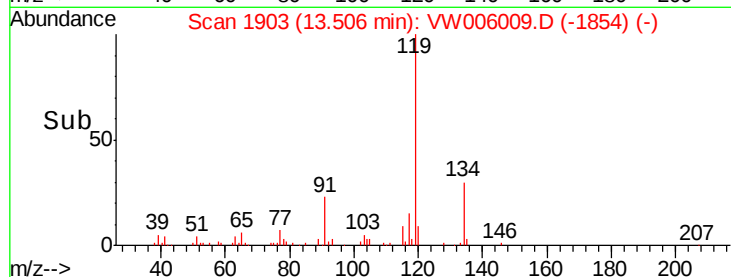
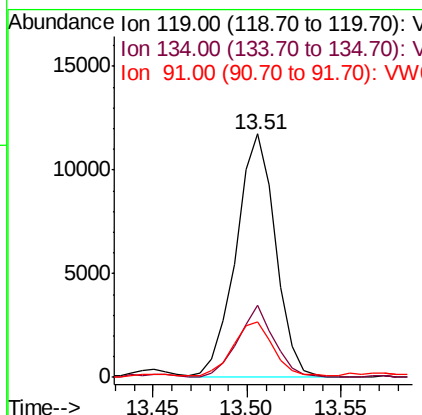
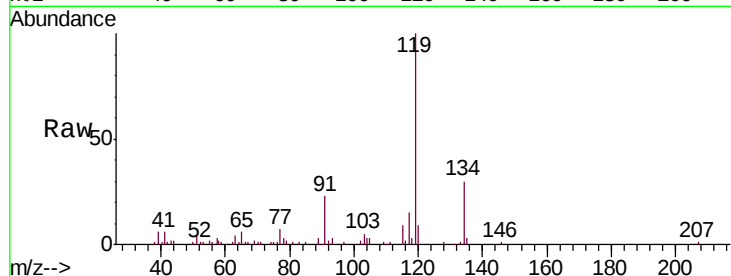




#86
p-Isopropyltoluene
Concen: 2.267 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

Instrument :
MSVOA_W
ClientSampleId :
0688-KM-PA-COMP

Tgt Ion: 119 Resp: 17027
Ion Ratio Lower Upper
119 100
134 27.1 13.5 40.5
91 24.1 11.9 35.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 58.116 ug/l
RT: 14.52 min Scan# 2070
Delta R.T. 0.03 min
Lab File: VW006009.D
Acq: 11 Oct 2018 02:00

Tgt Ion: 75 Resp: 14065
Ion Ratio Lower Upper
75 100
155 0.0 44.8 134.3#
157 0.0 58.9 176.6#

