

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006156.D
 Acq On : 18 Oct 2018 06:14
 Operator : VA/AP
 Sample : J5573-02
 Misc : 4.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0692-KM-CA-AMD-COMP

Quant Time: Oct 18 10:50:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	184992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	278198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	204161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	61787	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	87269	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	7.95	113	294	0.18	ug/l	0.05
Spiked Amount	50.000		Recovery	=	0.36%	
50) Toluene-d8	10.33	98	261838	41.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.74%	
62) 4-Bromofluorobenzene	12.62	95	72315	30.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.58%	

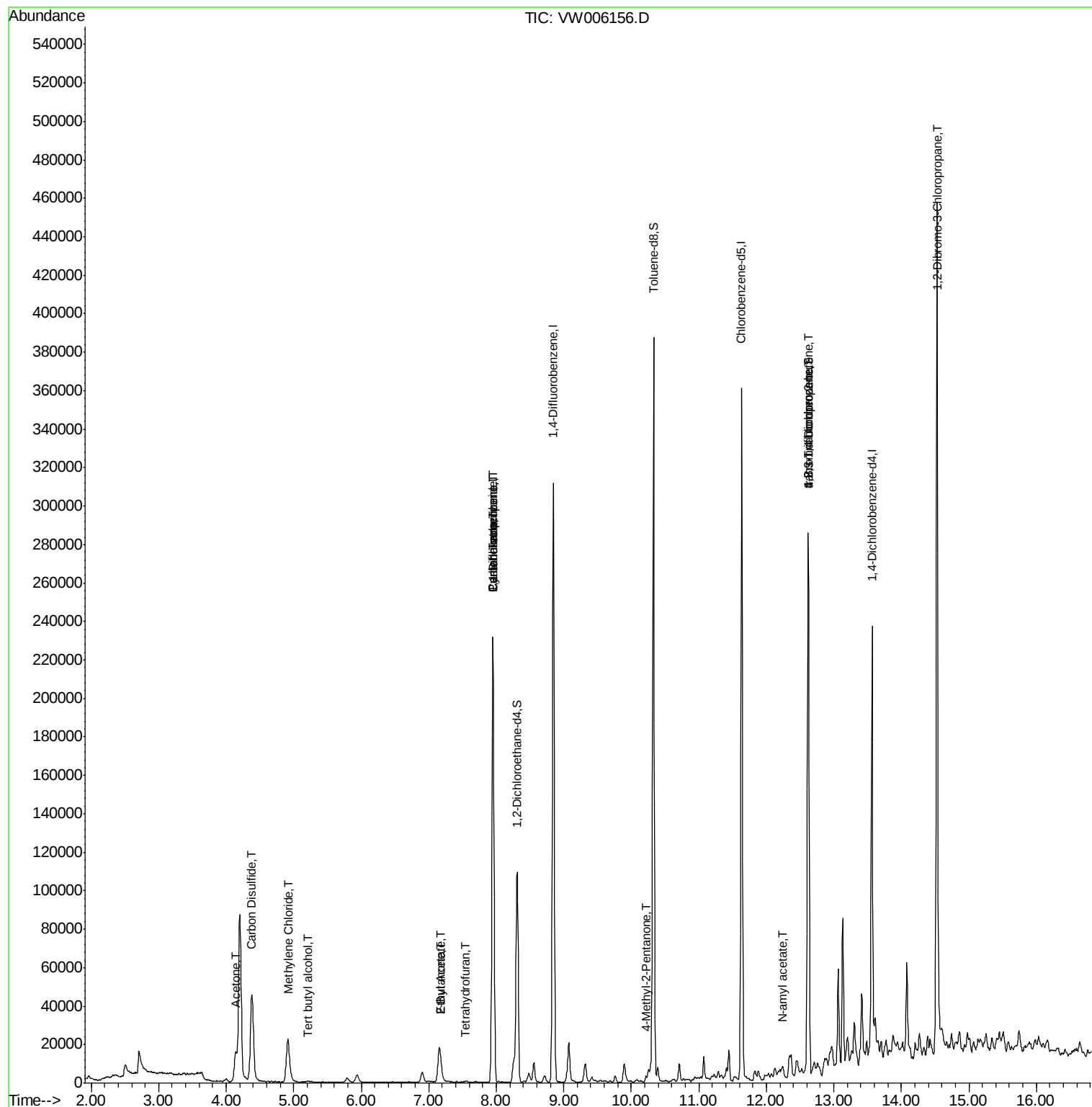
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1090	10.57	ug/l #	71
16) Acetone	4.14	43	31092	99.13	ug/l	95
17) Carbon Disulfide	4.38	76	106245	22.78	ug/l	97
20) Methylene Chloride	4.92	84	19827	10.95	ug/l	99
25) 2-Butanone	7.18	43	8410	20.30	ug/l	93
29) Tetrahydrofuran	7.54	42	384	1.51	ug/l #	45
31) Cyclohexane	7.95	56	3643	1.30	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	12135	4.73	ug/l #	49
37) Ethyl Acetate	7.18	43	8410	8.83	ug/l #	67
38) Carbon Tetrachloride	7.95	117	16679	5.93	ug/l #	16
51) 4-Methyl-2-Pentanone	10.22	43	2157	2.21	ug/l #	86
74) N-amyl acetate	12.24	43	2854	3.37	ug/l #	81
76) 1,2,3-Trichloropropane	12.62	75	37172	78.77	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37172	188.28	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.53	75	147370	1239.79	ug/l #	1

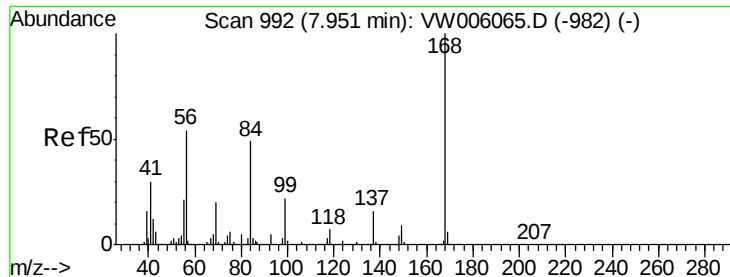
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Instrument :

MSVOA_W

ClientSampleId :

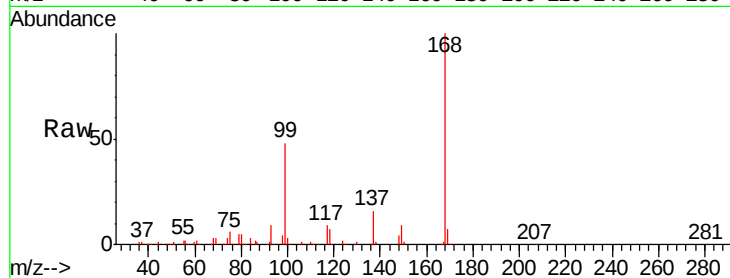
0692-KM-CA-AMD-COMP

Tgt Ion:168 Resp: 184992

Ion Ratio Lower Upper

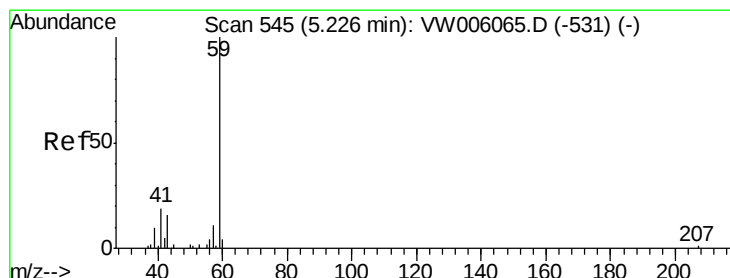
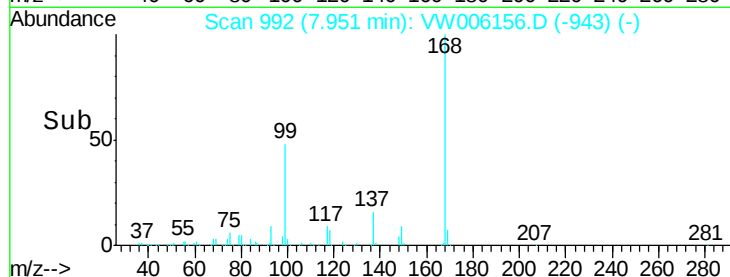
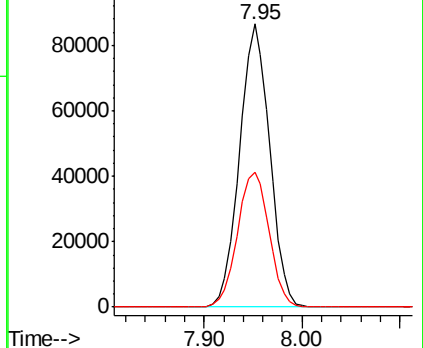
168 100

99 47.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 10.57 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW006156.D

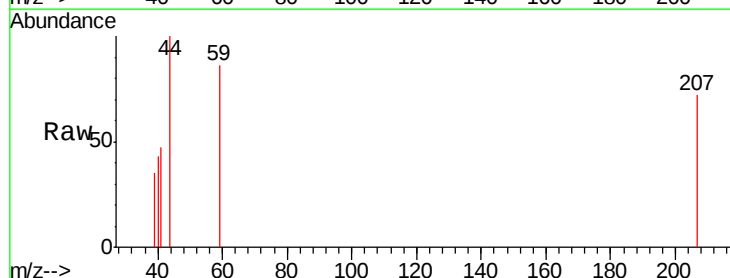
Acq: 18 Oct 2018 06:14

Tgt Ion: 59 Resp: 1090

Ion Ratio Lower Upper

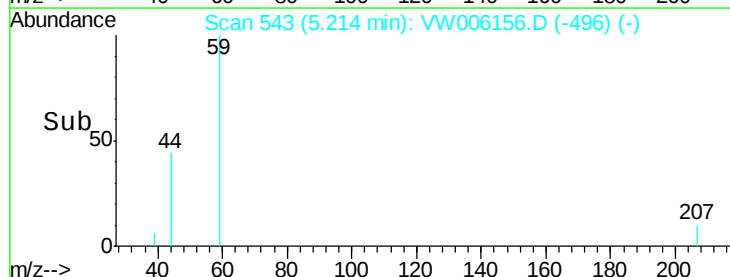
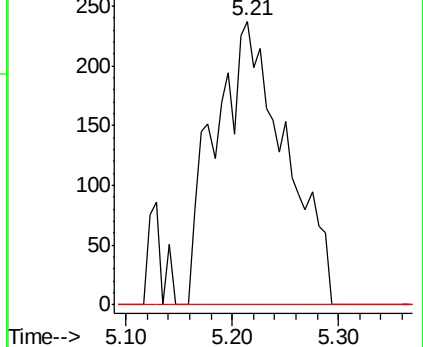
59 100

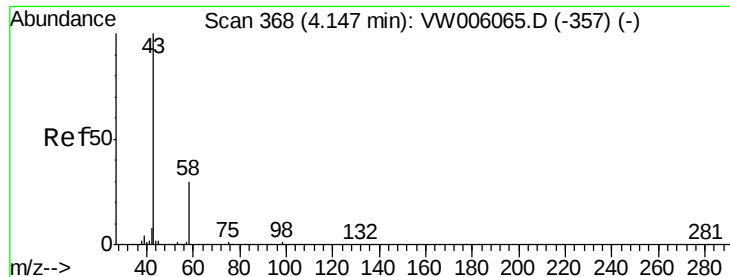
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 99.13 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Instrument :

MSVOA_W

ClientSampleId :

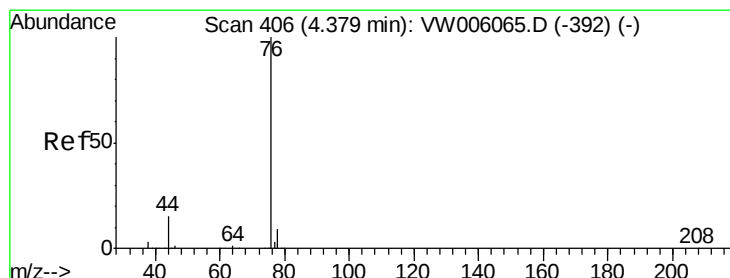
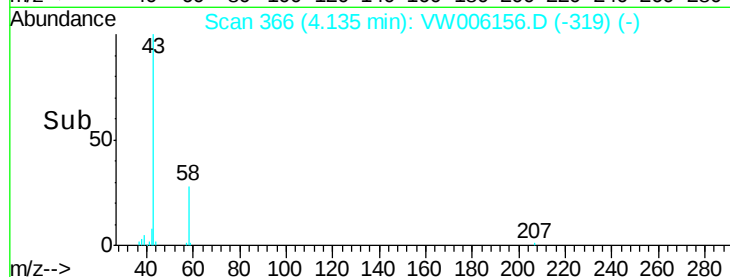
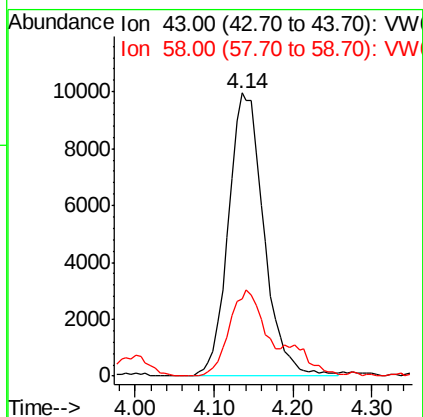
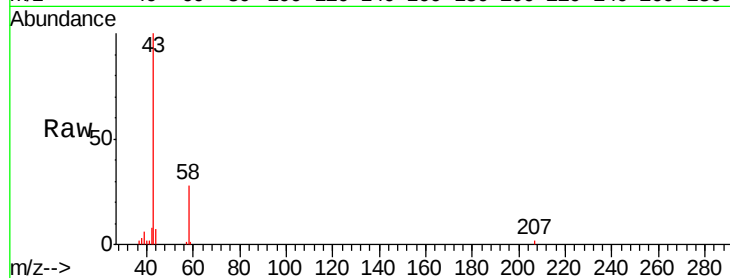
0692-KM-CA-AMD-COMP

Tgt Ion: 43 Resp: 31092

Ion Ratio Lower Upper

43 100

58 27.5 24.0 36.0



#17

Carbon Disulfide

Concen: 22.78 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW006156.D

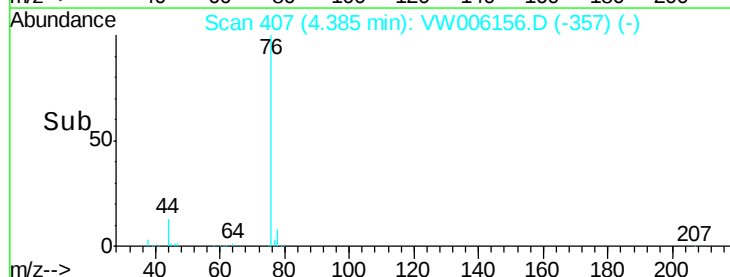
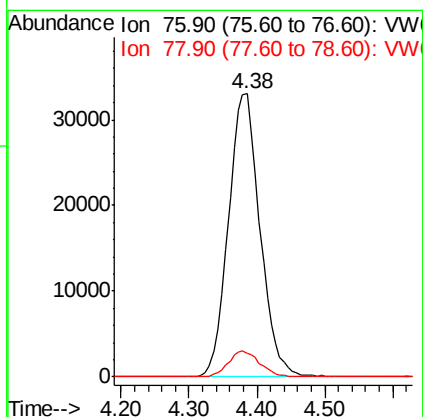
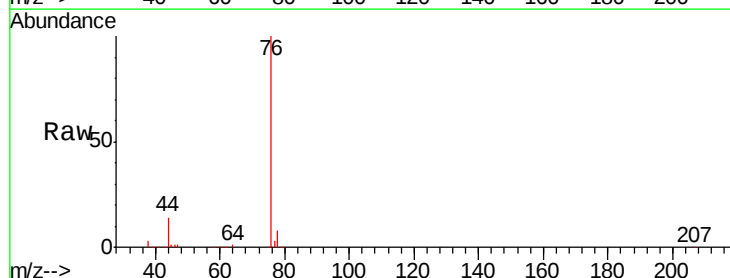
Acq: 18 Oct 2018 06:14

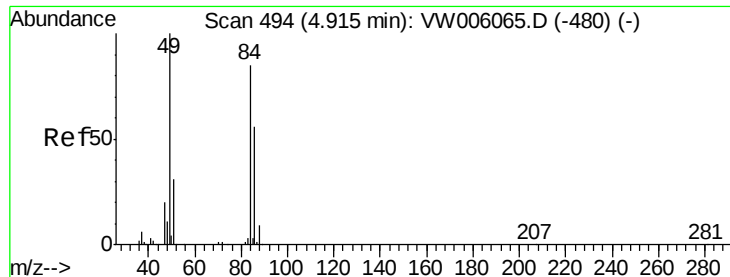
Tgt Ion: 76 Resp: 106245

Ion Ratio Lower Upper

76 100

78 8.4 7.5 11.3

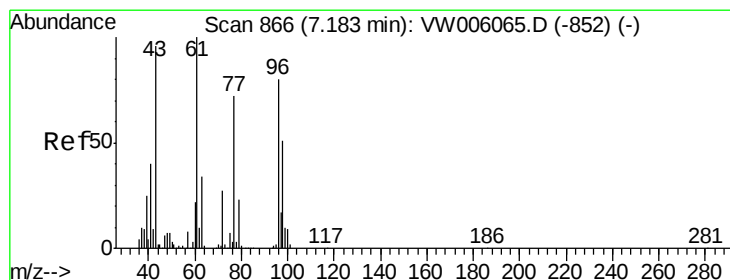
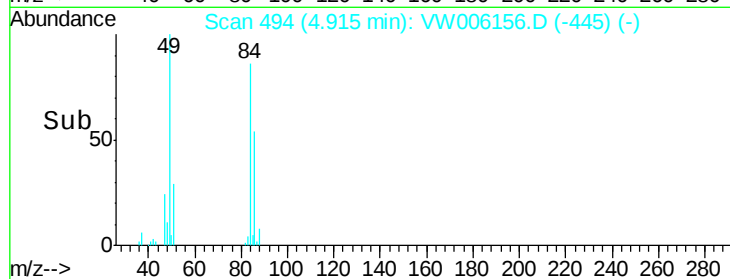
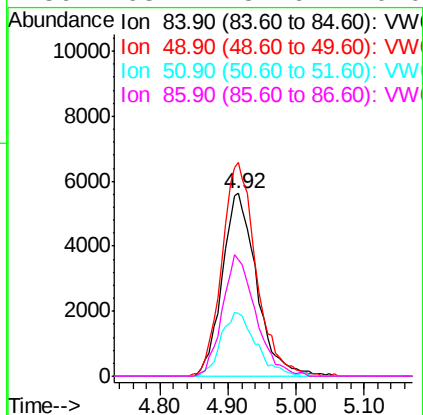
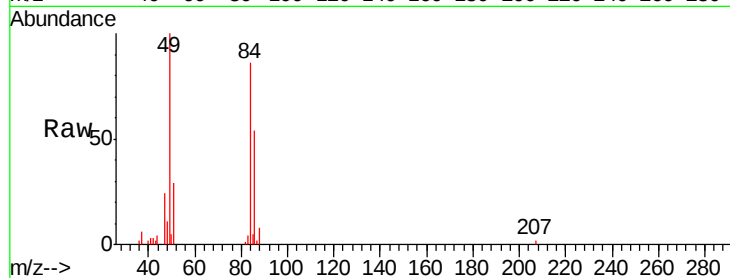




#20
Methylene Chloride
Concen: 10.95 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006156.D
Acq: 18 Oct 2018 06:14

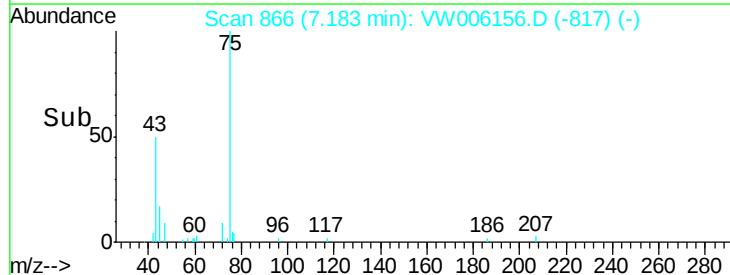
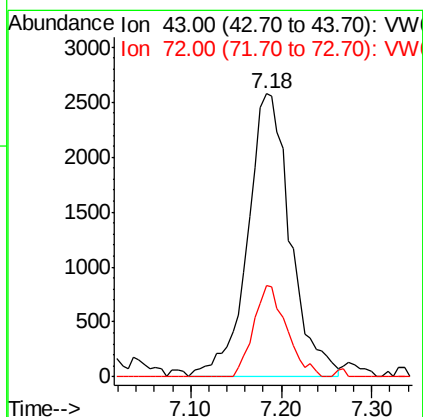
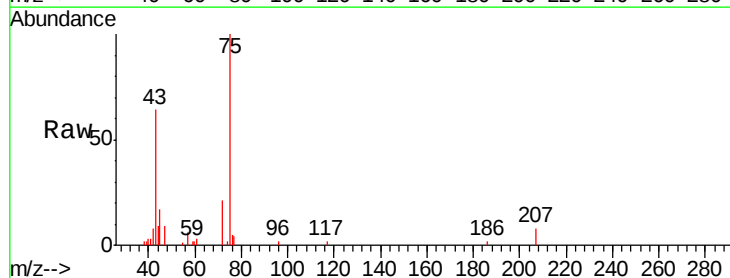
Instrument :
MSVOA_W
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0692-KM-CA-AMD-COMP

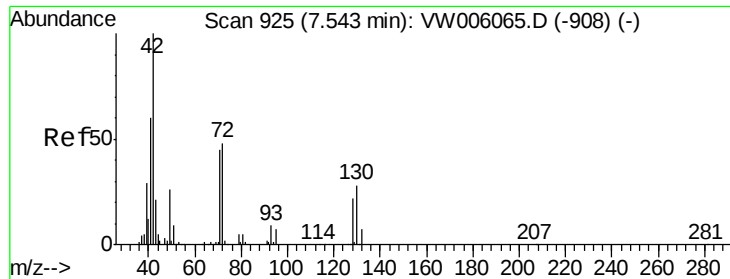
Tgt Ion:	84	Resp:	19827
Ion	Ratio	Lower	Upper
84	100		
49	116.9	93.6	140.4
51	34.4	29.0	43.4
86	63.7	52.6	79.0



#25
2-Butanone
Concen: 20.30 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.00 min
Lab File: VW006156.D
Acq: 18 Oct 2018 06:14

Tgt Ion:	43	Resp:	8410
Ion	Ratio	Lower	Upper
43	100		
72	32.3	22.8	34.2





#29

Tetrahydrofuran

Concen: 1.51 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

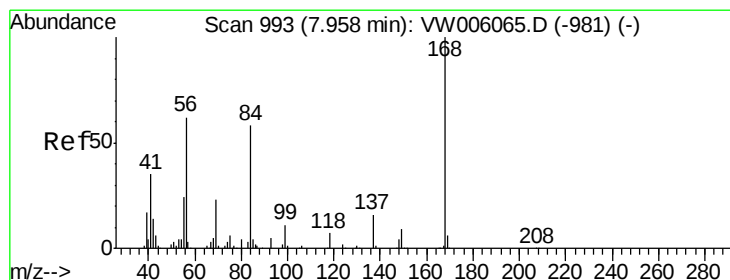
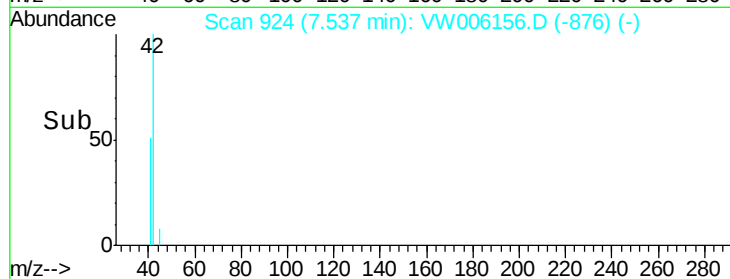
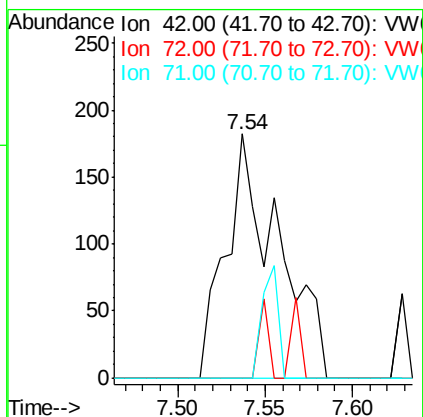
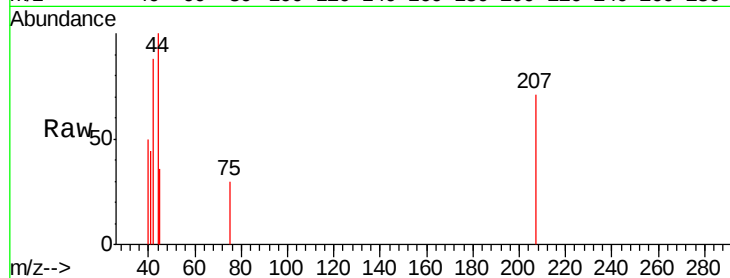
Instrument :

MSVOA_W

ClientSampleId :

0692-KM-CA-AMD-COMP

Tgt Ion:	42	Resp:	384
Ion	Ratio	Lower	Upper
42	100		
72	5.7	38.0	57.0#
71	14.1	35.3	52.9#



#31

Cyclohexane

Concen: 1.30 ug/l

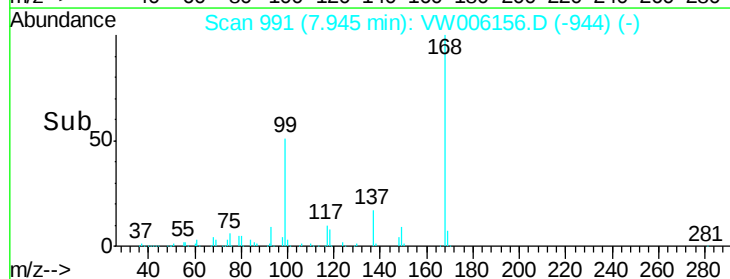
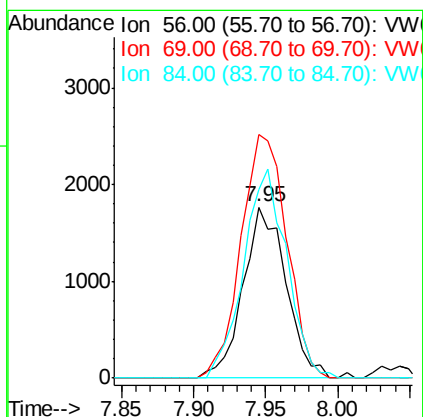
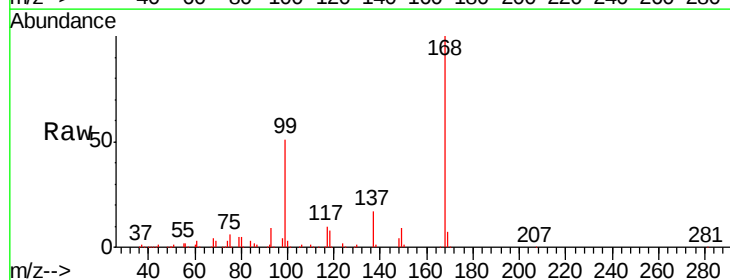
RT: 7.95 min Scan# 991

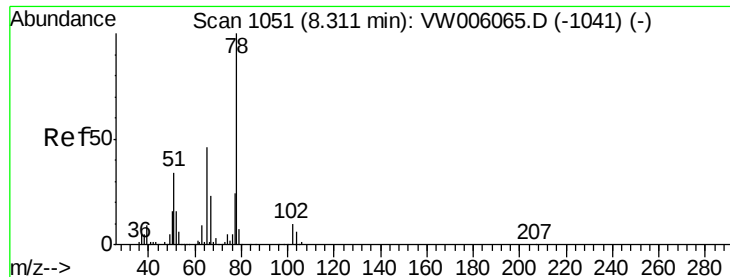
Delta R.T. -0.01 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Tgt Ion:	56	Resp:	3643
Ion	Ratio	Lower	Upper
56	100		
69	142.3	29.4	44.0#
84	110.5	74.0	111.0





#33

1,2-Dichloroethane-d4

Concen: 56.90 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Instrument :

MSVOA_W

ClientSampleId :

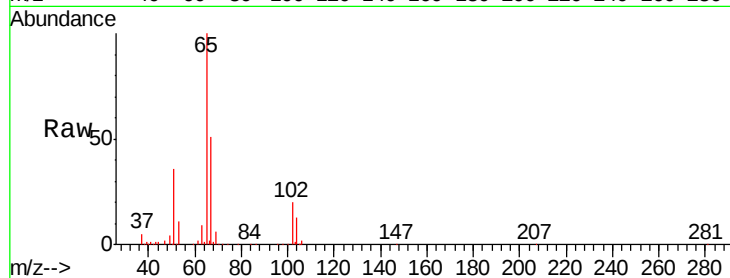
0692-KM-CA-AMD-COMP

Tgt Ion: 65 Resp: 87269

Ion Ratio Lower Upper

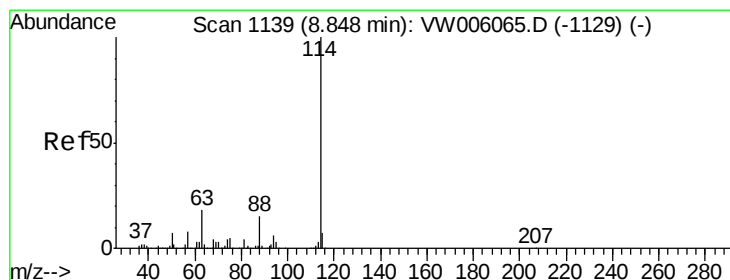
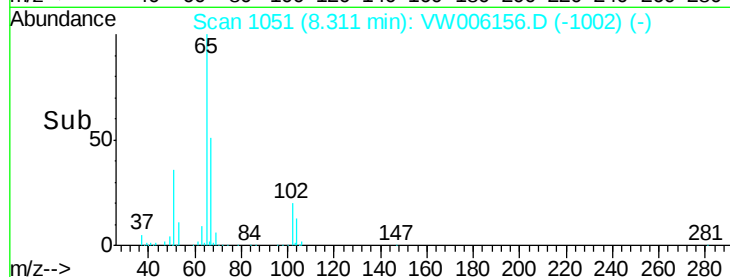
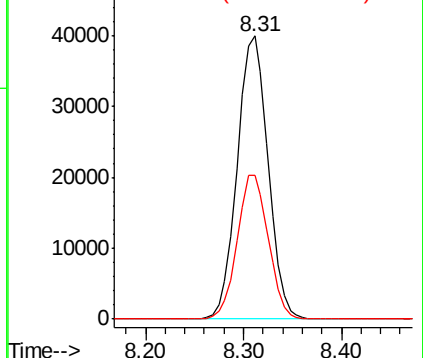
65 100

67 51.4 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

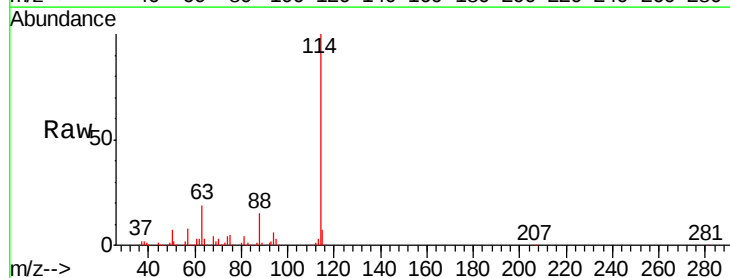
Tgt Ion: 114 Resp: 278198

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

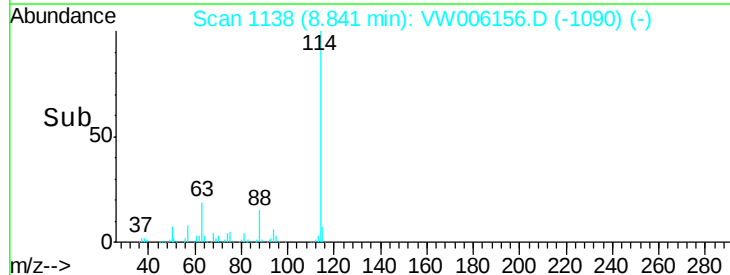
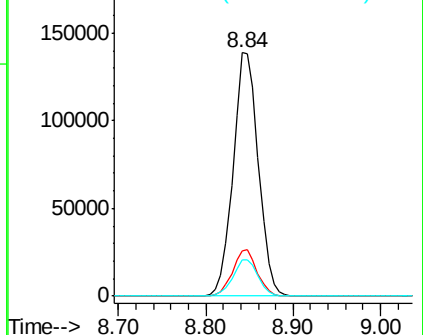
88 14.6 0.0 29.0

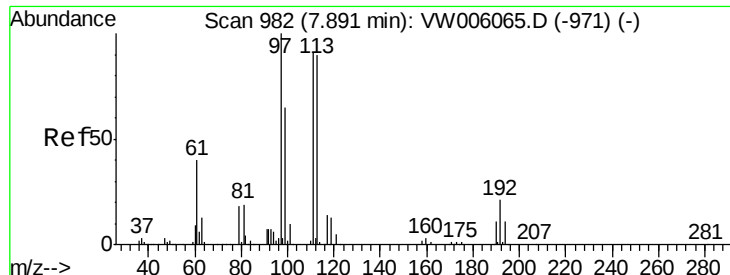


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 0.18 ug/l

RT: 7.95 min Scan# 991

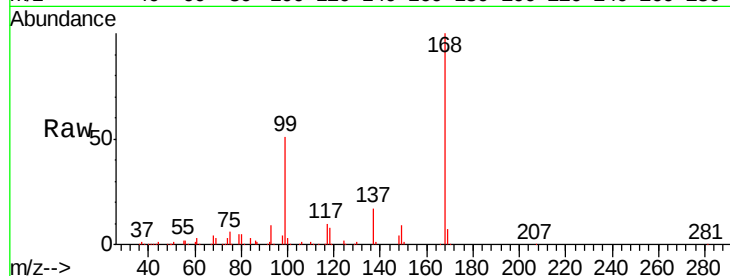
Delta R.T. 0.05 min

Lab File: VW006156.D

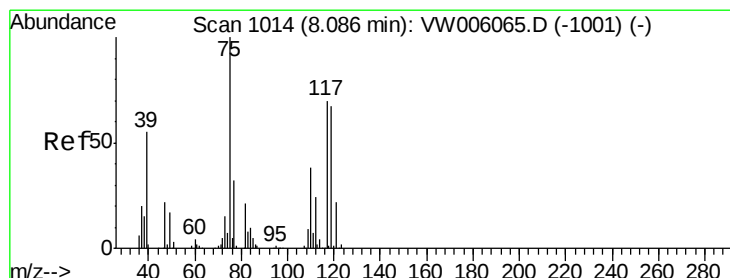
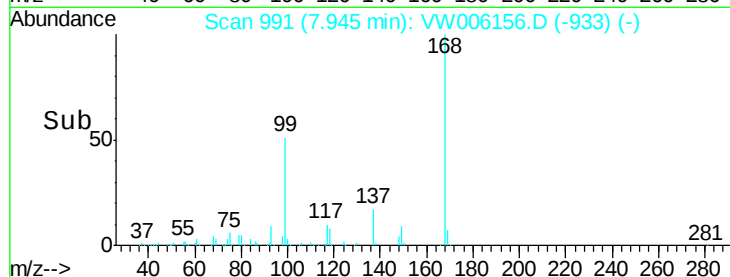
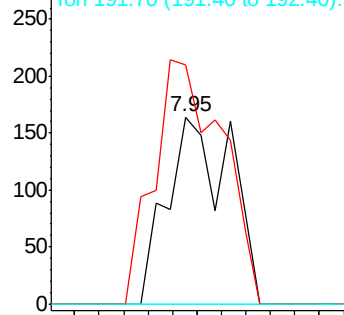
Acq: 18 Oct 2018 06:14

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Tgt Ion:113 Resp: 294
Ion Ratio Lower Upper
113 100
111 141.5 81.4 122.0#
192 0.0 18.7 28.1#



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

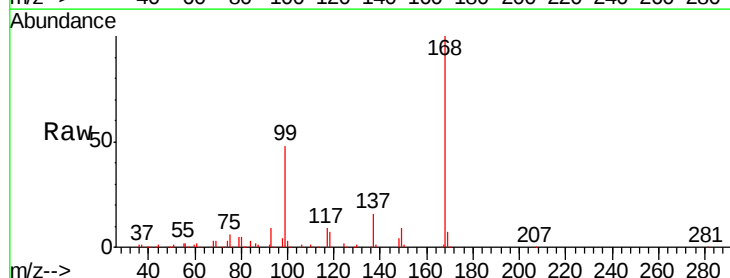
RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

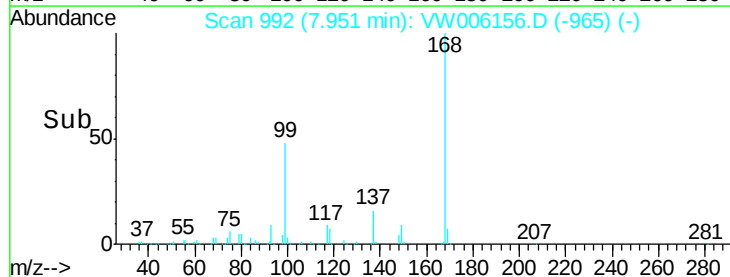
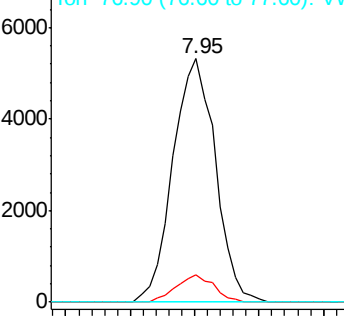
Lab File: VW006156.D

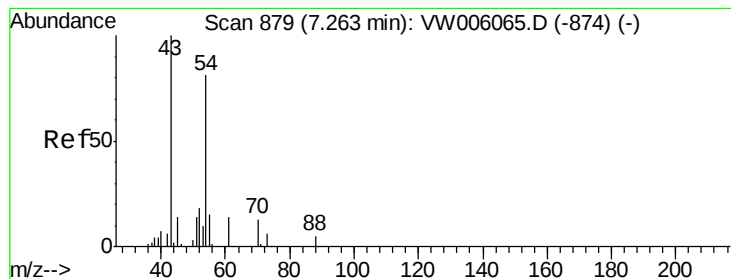
Acq: 18 Oct 2018 06:14

Tgt Ion: 75 Resp: 12135
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.1#
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 8.83 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.08 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

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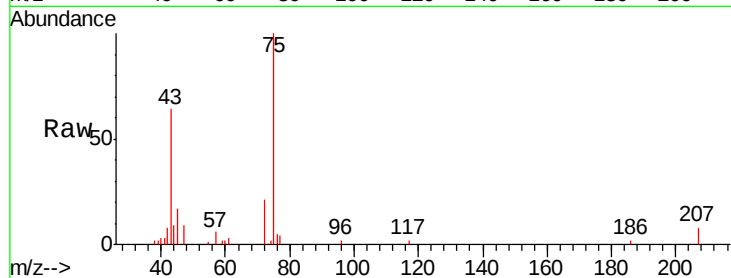
Tgt Ion: 43 Resp: 8410

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

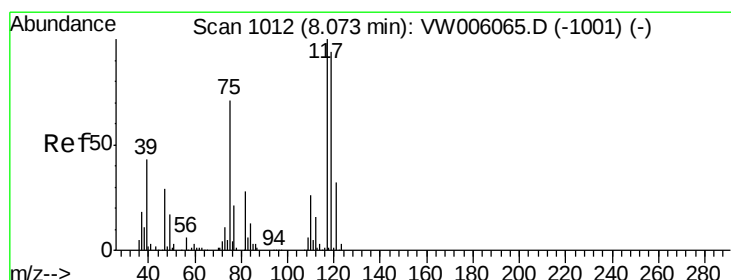
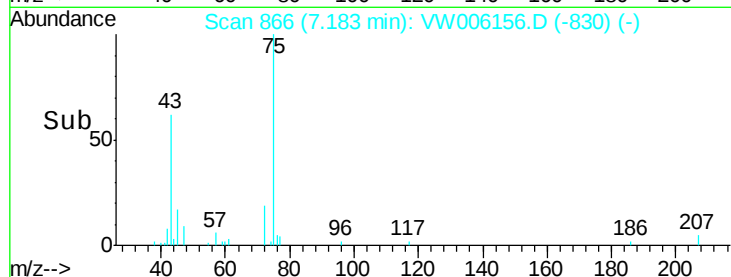
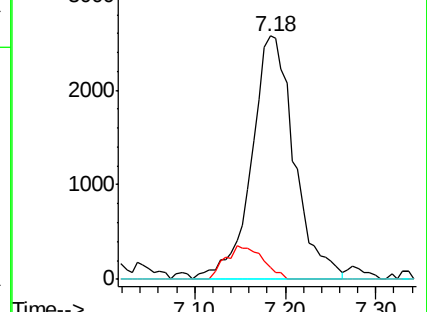
70 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.93 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

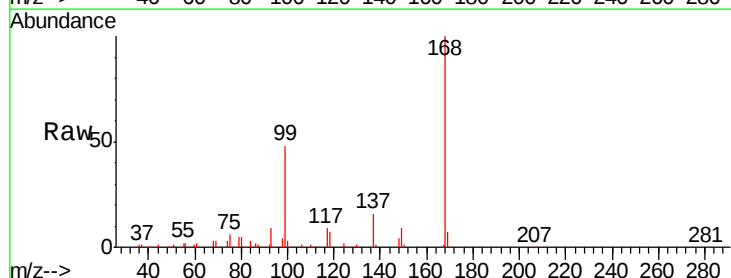
Tgt Ion: 117 Resp: 16679

Ion Ratio Lower Upper

117 100

119 3.8 75.2 112.8#

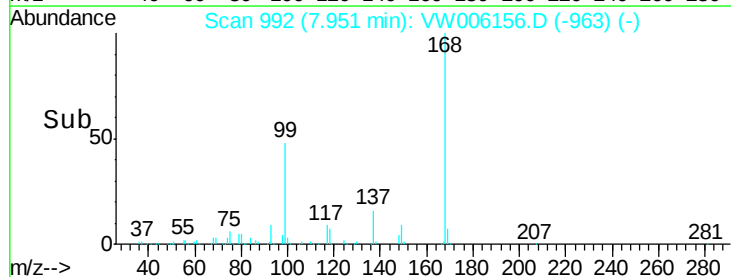
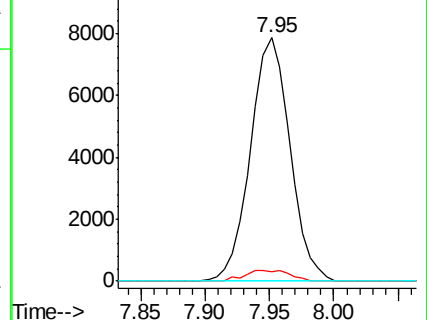
121 0.0 25.3 37.9#

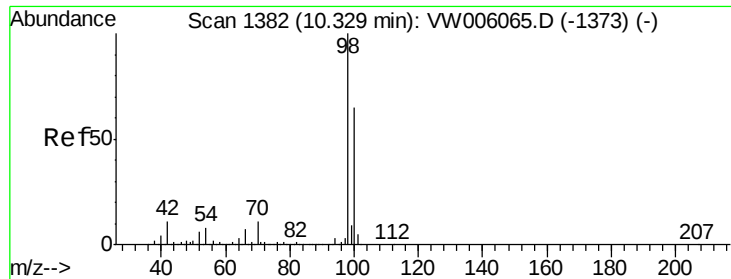


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 41.87 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Instrument :

MSVOA_W

ClientSampleId :

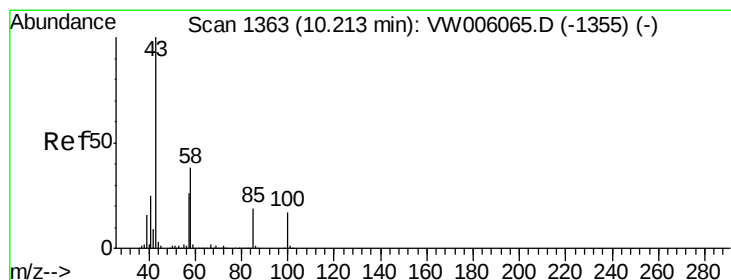
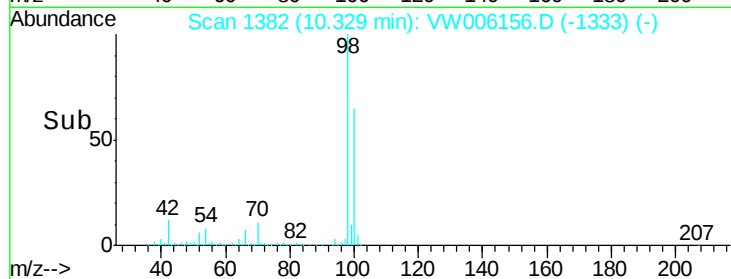
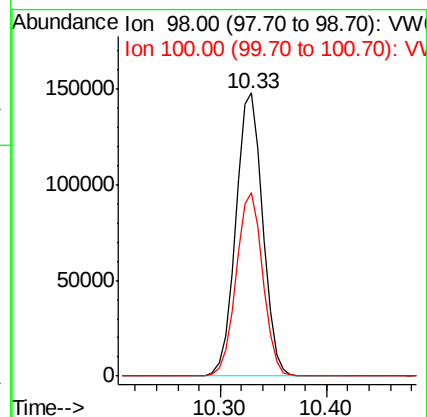
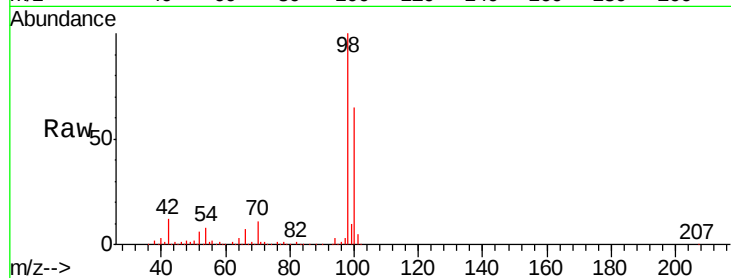
0692-KM-CA-AMD-COMP

Tgt Ion: 98 Resp: 261838

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 2.21 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006156.D

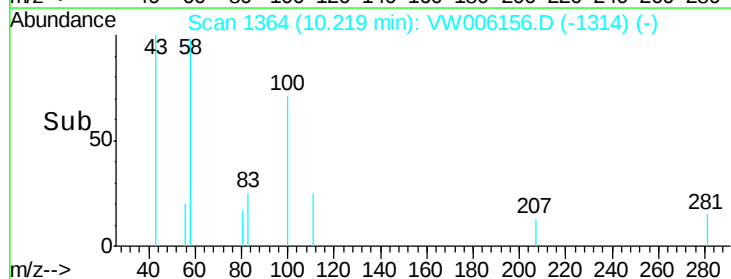
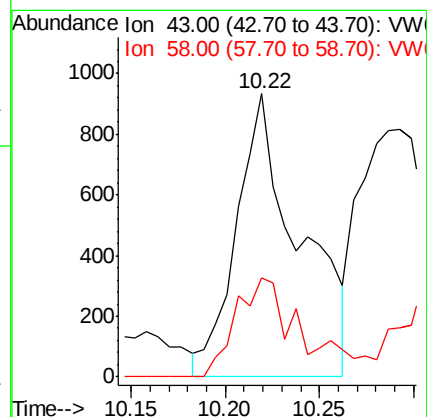
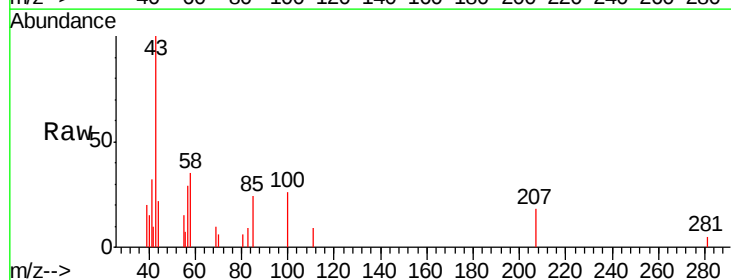
Acq: 18 Oct 2018 06:14

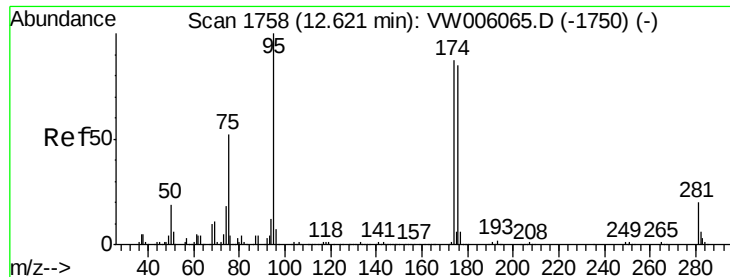
Tgt Ion: 43 Resp: 2157

Ion Ratio Lower Upper

43 100

58 30.9 31.5 47.3#

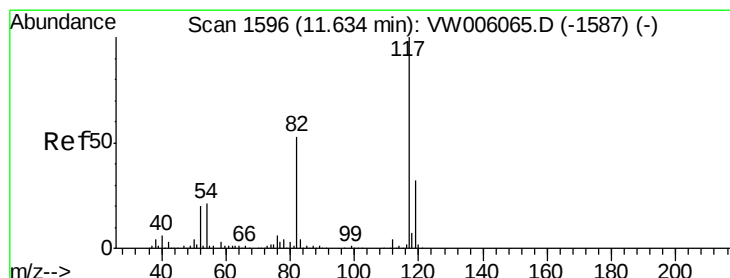
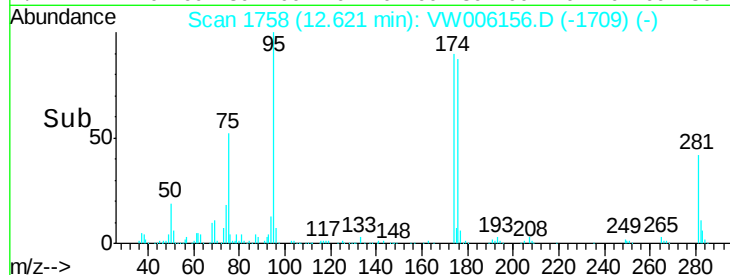
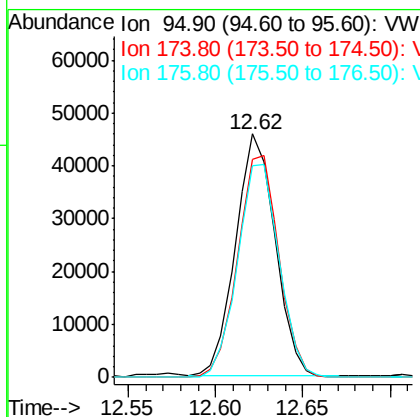
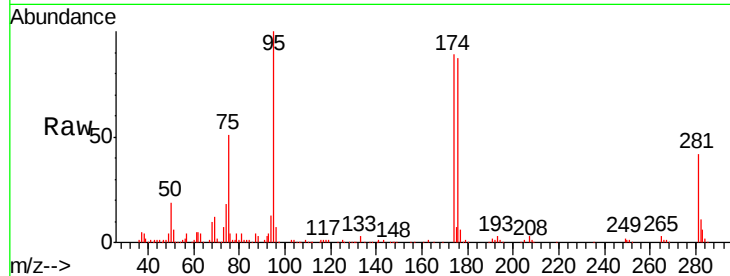




#62
4-Bromofluorobenzene
Concen: 30.79 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006156.D
Acq: 18 Oct 2018 06:14

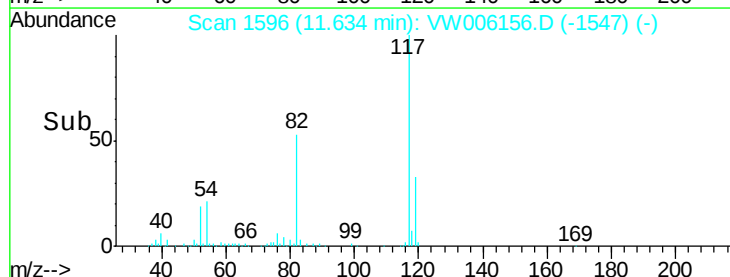
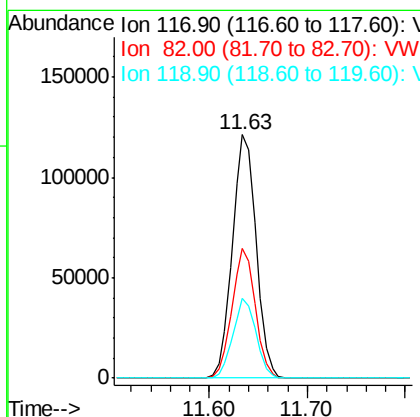
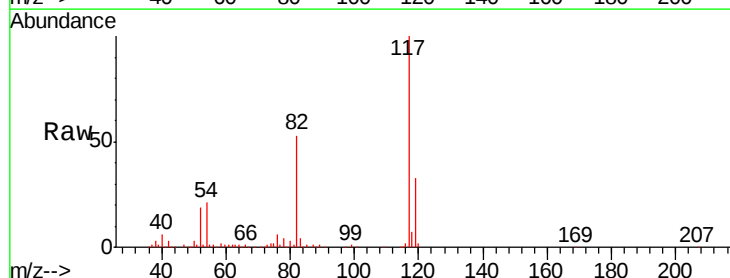
Instrument :
MSVOA_W
ClientSampleId :
0692-KM-CA-AMD-COMP

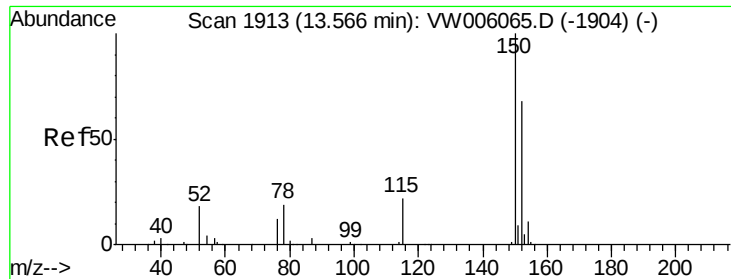
Tgt Ion: 95 Resp: 72315
Ion Ratio Lower Upper
95 100
174 94.8 0.0 186.0
176 92.4 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006156.D
Acq: 18 Oct 2018 06:14

Tgt Ion: 117 Resp: 204161
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Instrument :

MSVOA_W

ClientSampleId :

0692-KM-CA-AMD-COMP

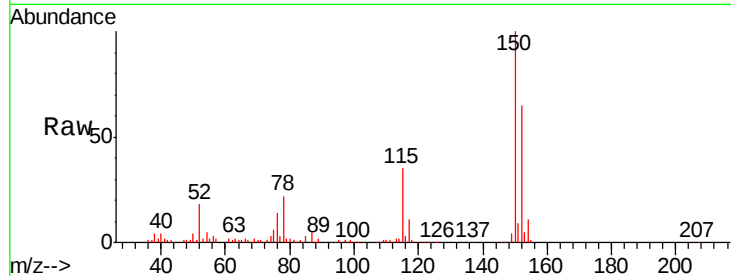
Tgt Ion:152 Resp: 61787

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

150 157.3 0.0 349.2

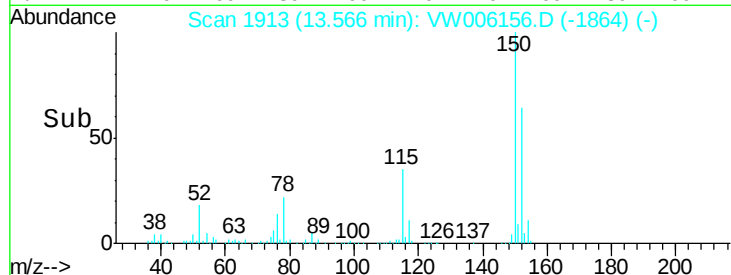


Abundance Ion 151.90 (151.60 to 152.60): V

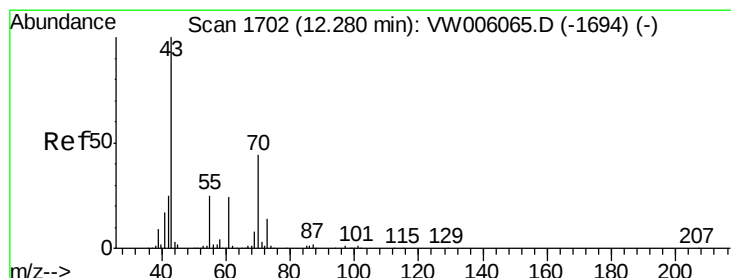
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



Time-->



#74

N-ethyl acetate

Concen: 3.37 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Tgt Ion: 43 Resp: 2854

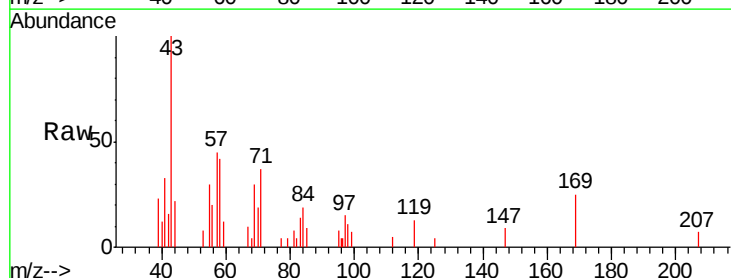
Ion Ratio Lower Upper

43 100

70 38.9 34.2 51.4

55 29.4 19.2 28.8#

61 0.0 19.0 28.6#



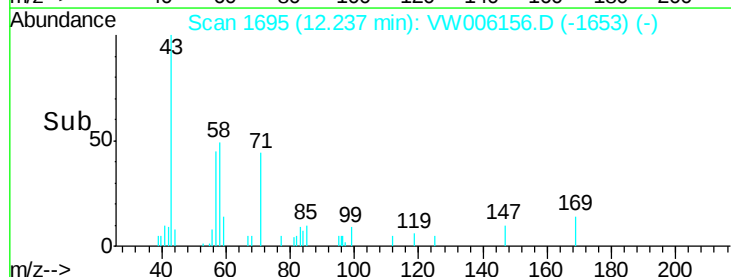
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

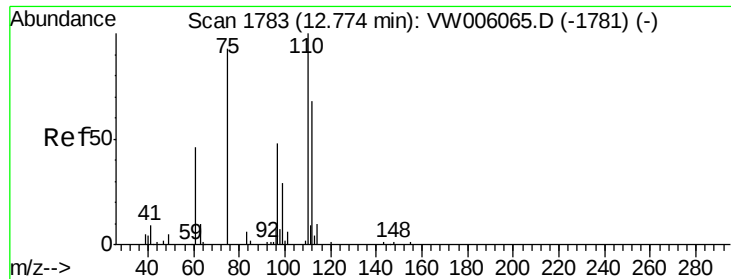
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 78.77 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Instrument :

MSVOA_W

ClientSampleId :

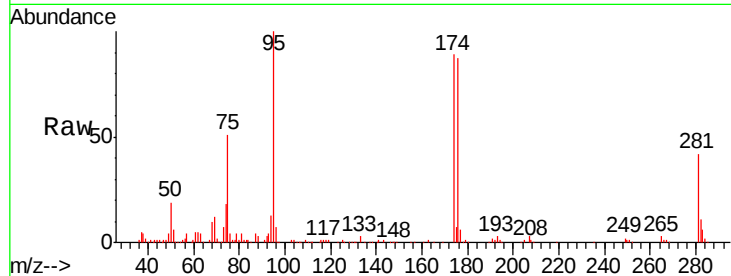
0692-KM-CA-AMD-COMP

Tgt Ion: 75 Resp: 37172

Ion Ratio Lower Upper

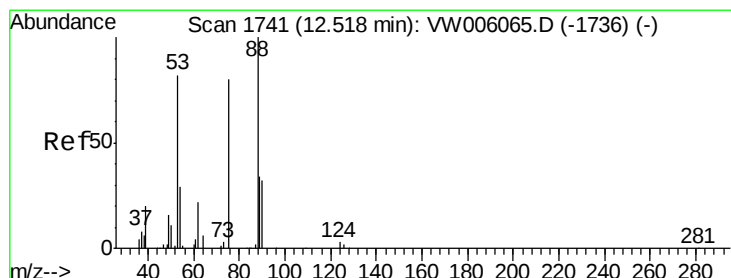
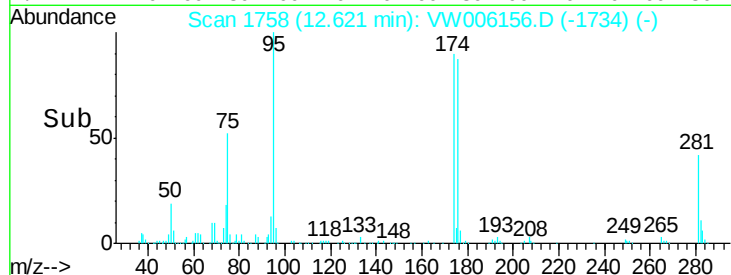
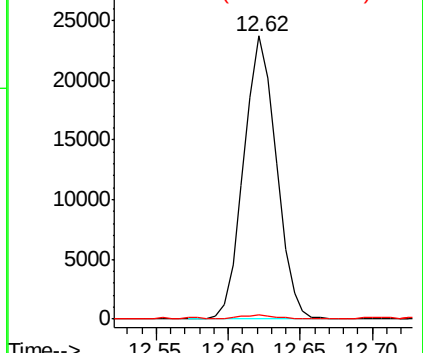
75 100

77 1.6 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: 188.28 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

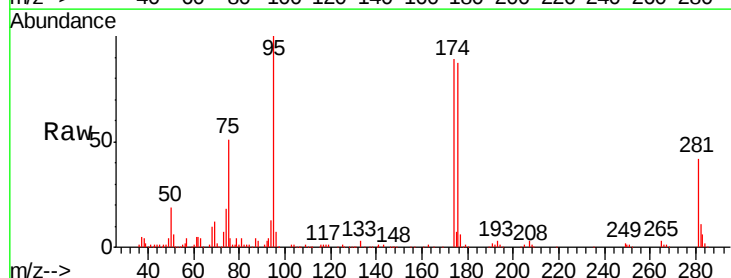
Tgt Ion: 75 Resp: 37172

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

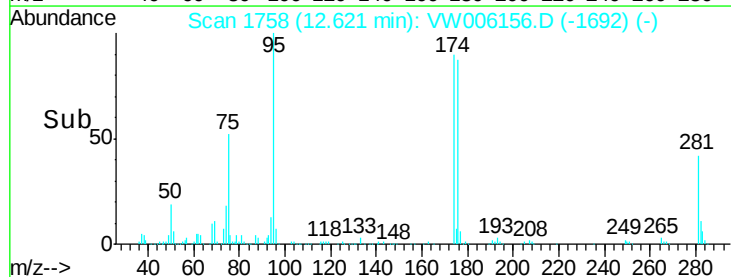
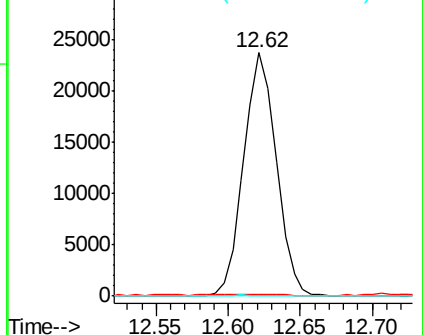
89 0.0 37.5 56.3#

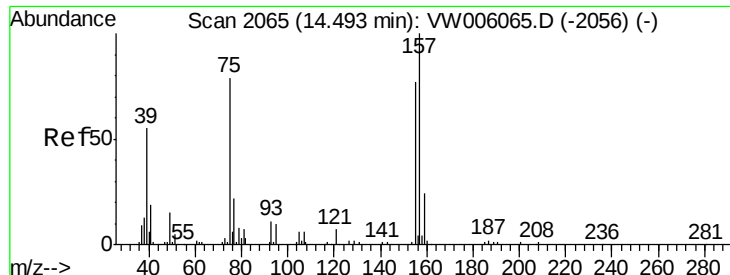


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 1239.79 ug/l

RT: 14.53 min Scan# 2071

Delta R.T. 0.04 min

Lab File: VW006156.D

Acq: 18 Oct 2018 06:14

Instrument :

MSVOA_W

ClientSampleId :

0692-KM-CA-AMD-COMP

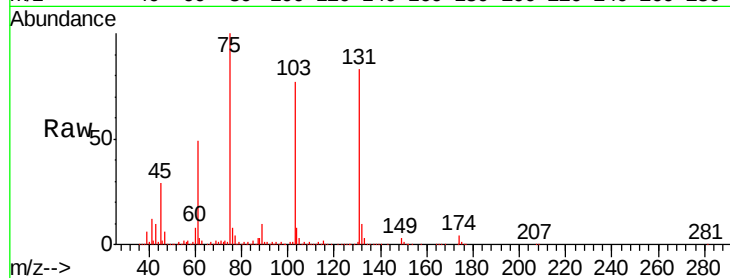
Tgt Ion: 75 Resp: 147370

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.1 59.8 179.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

