

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006217.D
 Acq On : 19 Oct 2018 11:14
 Operator : VA/AP
 Sample : J5573-02RE
 Misc : 4.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

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

Quant Time: Oct 19 12:01:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	321833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	258380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	105837	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	80333	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	7.96	113	345	0.18	ug/l	0.07
Spiked Amount	50.000		Recovery	=	0.36%	
50) Toluene-d8	10.33	98	329289	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
62) 4-Bromofluorobenzene	12.62	95	101652	37.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.82%	

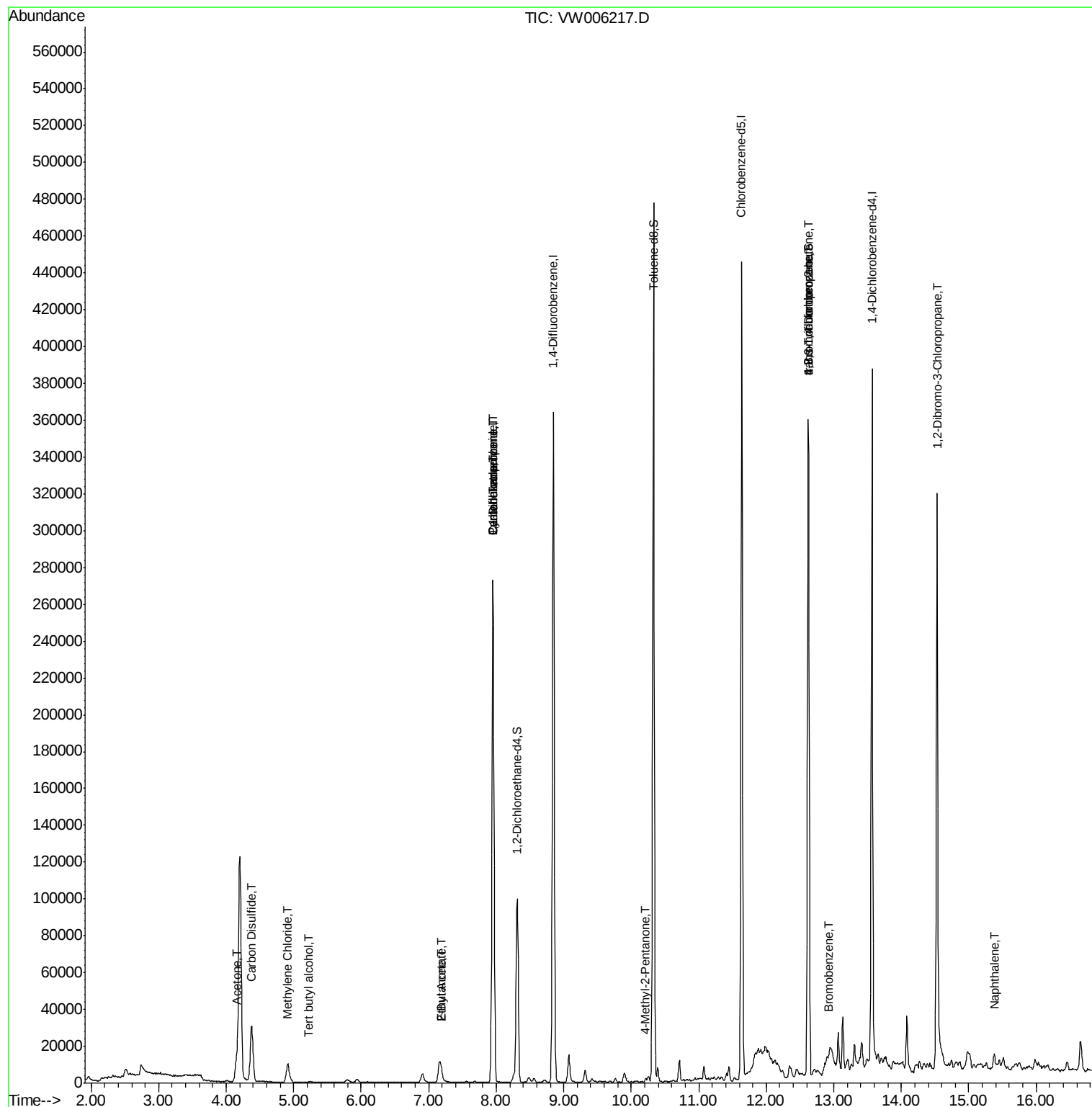
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	179	1.48	ug/l #	71
16) Acetone	4.15	43	25736	65.12	ug/l	98
17) Carbon Disulfide	4.38	76	66719	12.16	ug/l	98
20) Methylene Chloride	4.91	84	7848	2.57	ug/l	96
25) 2-Butanone	7.19	43	6054	12.43	ug/l	96
31) Cyclohexane	7.95	56	3854	1.17	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	14410	4.86	ug/l #	49
37) Ethyl Acetate	7.19	43	6054	5.49	ug/l #	67
38) Carbon Tetrachloride	7.95	117	19615	6.03	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	1714	1.52	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	52820	65.34	ug/l #	100
77) Bromobenzene	12.91	156	2515	1.37	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52820	156.19	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.53	75	108322	532.01	ug/l #	1
95) Naphthalene	15.38	128	7902	1.90	ug/l #	95

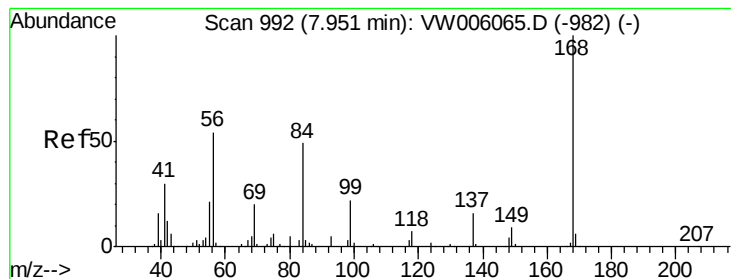
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006217.D

Acq: 19 Oct 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

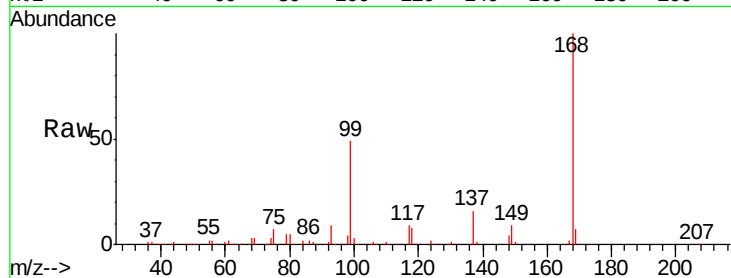
0692-KM-CA-AMD-COMP

Tgt Ion:168 Resp: 217534

Ion Ratio Lower Upper

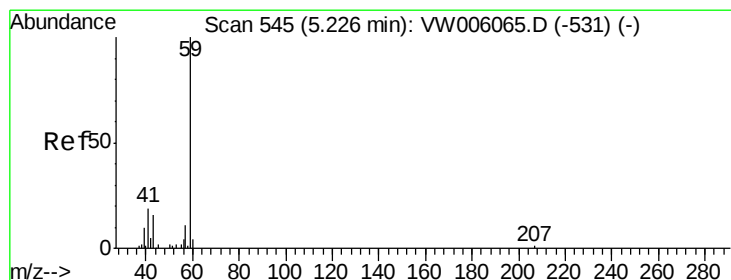
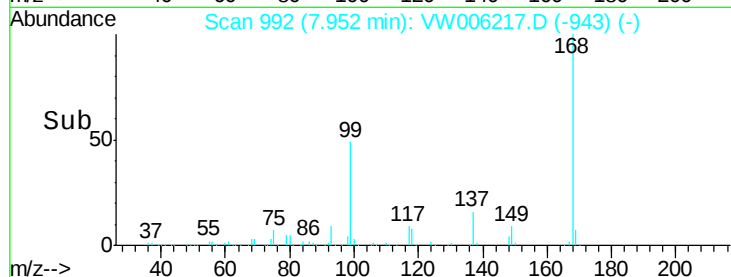
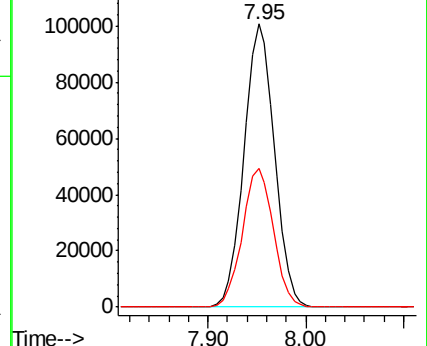
168 100

99 48.9 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: 1.48 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW006217.D

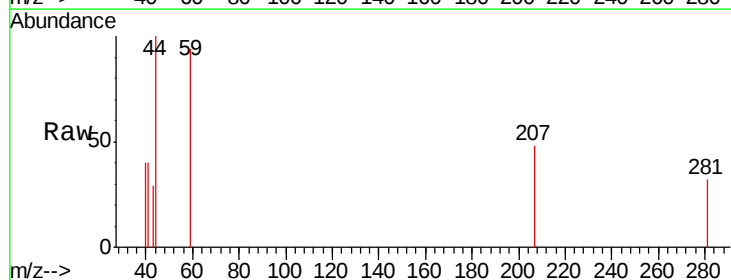
Acq: 19 Oct 2018 11:14

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

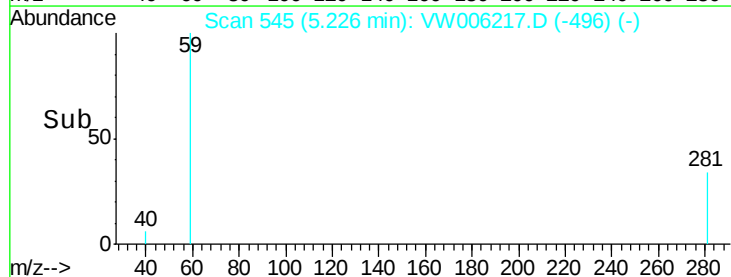
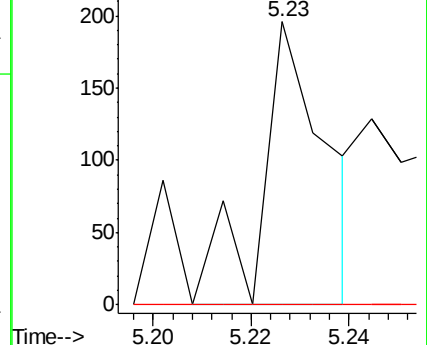
59 100

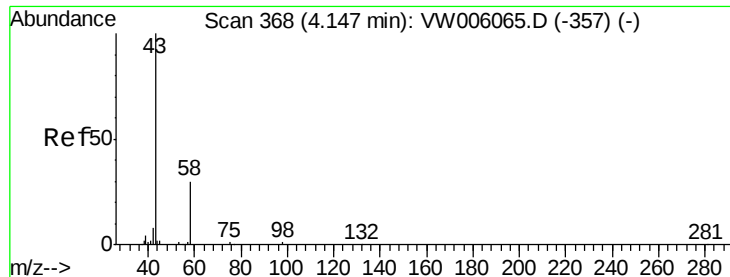
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 65.12 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW006217.D

Acq: 19 Oct 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

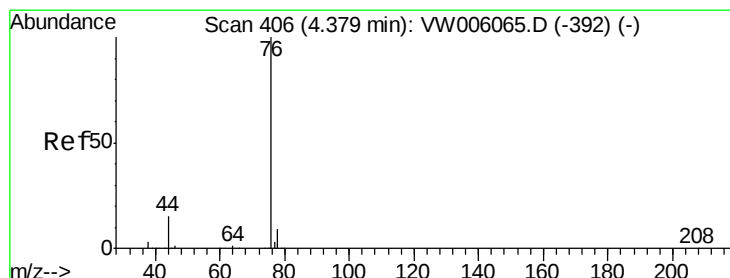
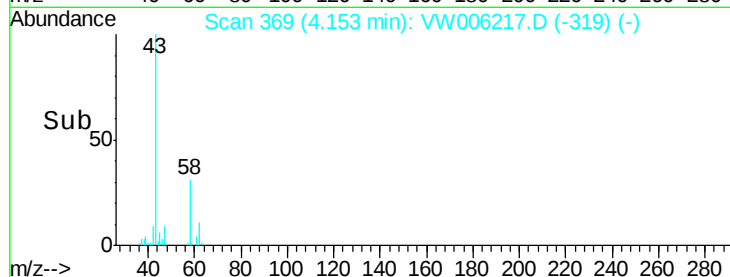
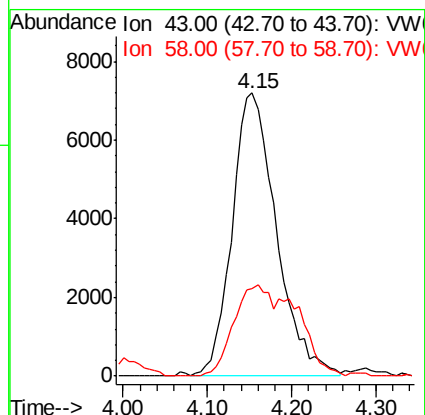
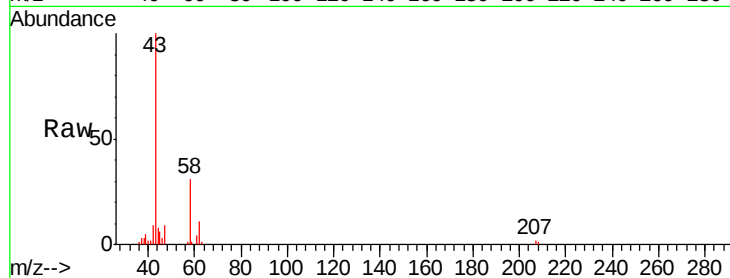
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Tgt Ion: 43 Resp: 25736

Ion Ratio Lower Upper

43 100

58 31.0 24.0 36.0



#17

Carbon Disulfide

Concen: 12.16 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006217.D

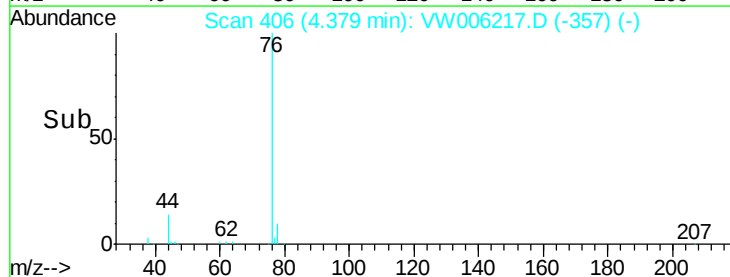
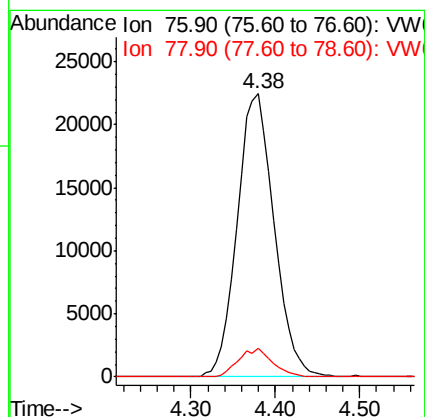
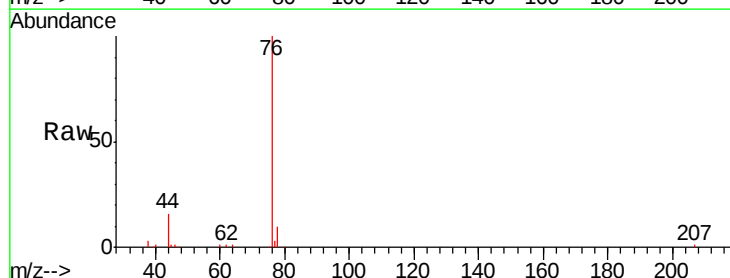
Acq: 19 Oct 2018 11:14

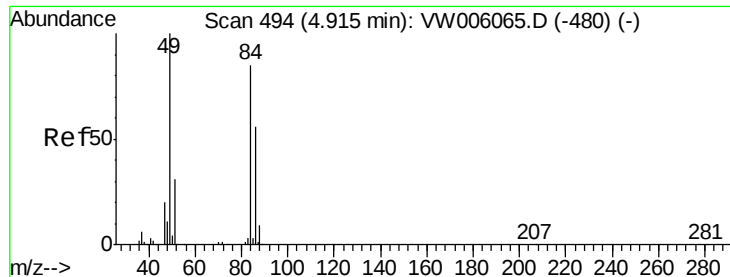
Tgt Ion: 76 Resp: 66719

Ion Ratio Lower Upper

76 100

78 10.1 7.5 11.3

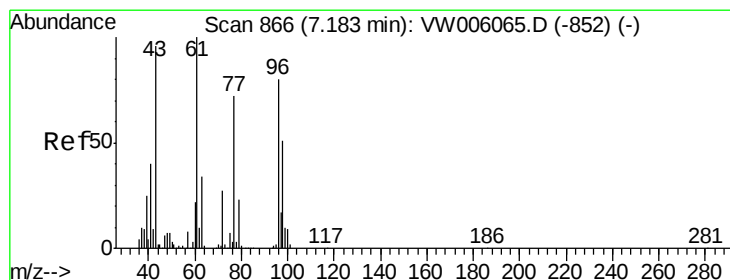
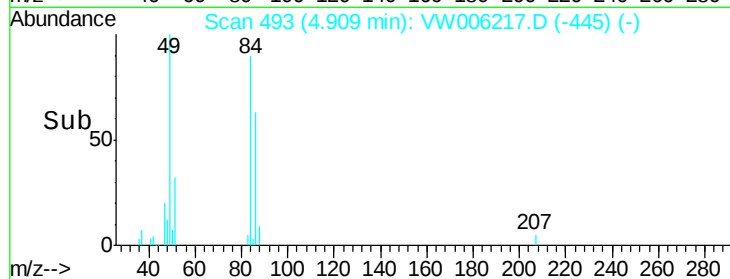
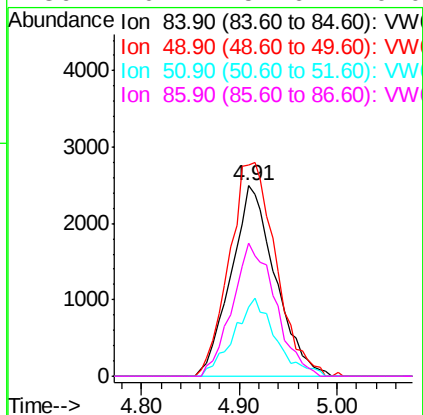
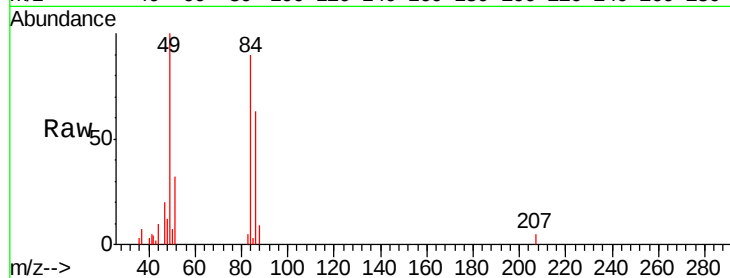




#20
Methylene Chloride
Concen: 2.57 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

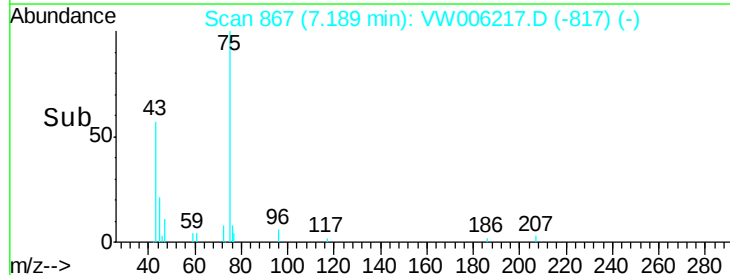
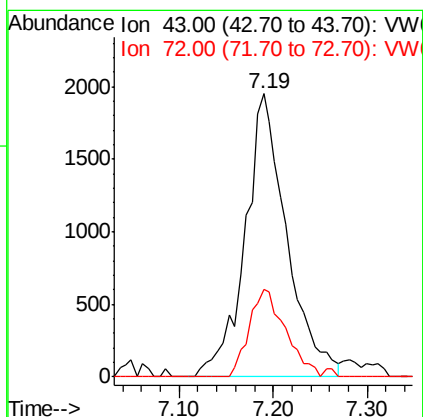
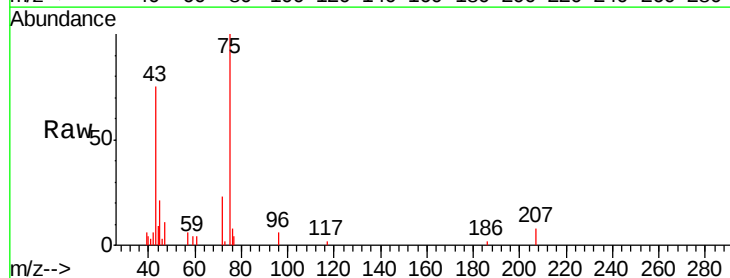
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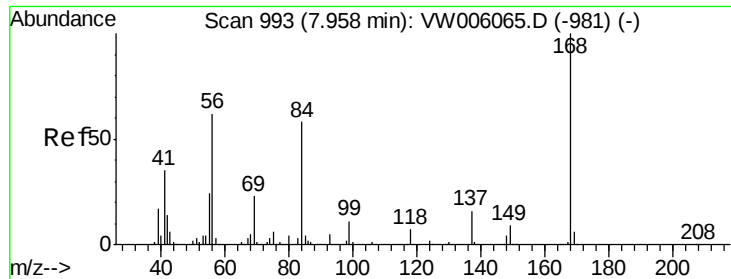
Tgt Ion:	84	Resp:	7848
Ion	Ratio	Lower	Upper
84	100		
49	111.2	93.6	140.4
51	36.1	29.0	43.4
86	70.2	52.6	79.0



#25
2-Butanone
Concen: 12.43 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

Tgt Ion:	43	Resp:	6054
Ion	Ratio	Lower	Upper
43	100		
72	30.8	22.8	34.2

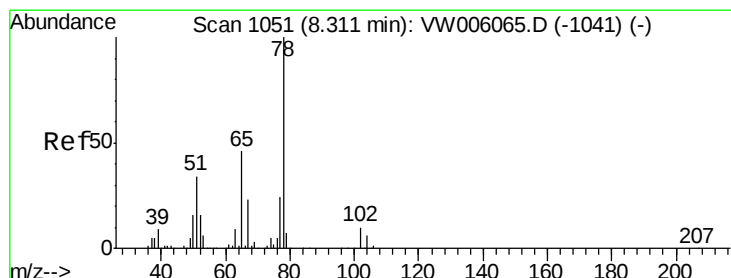
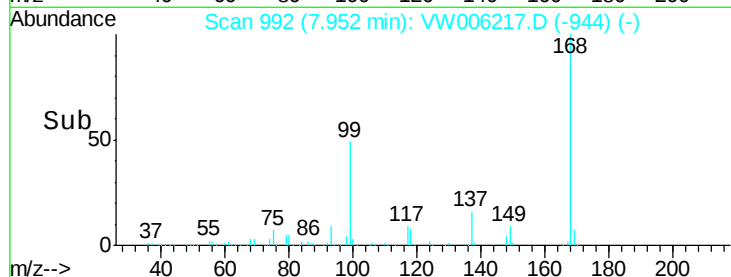
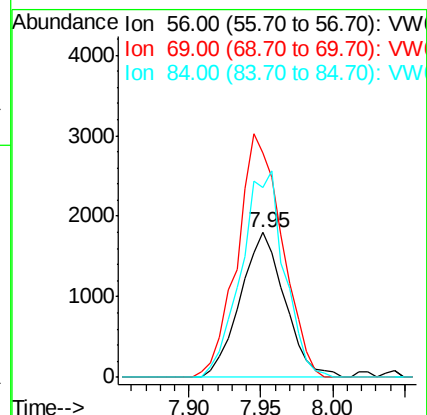
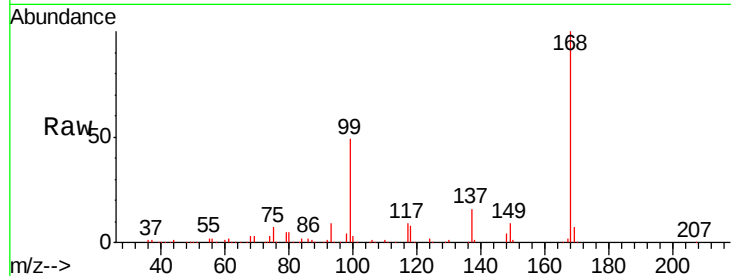




#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

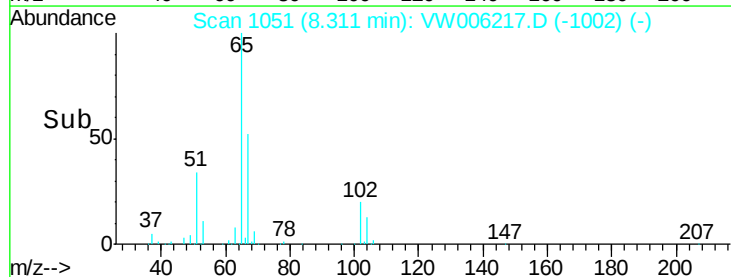
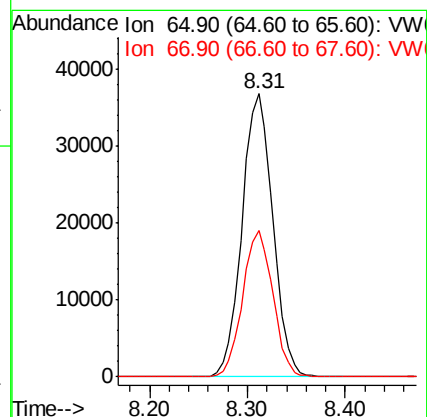
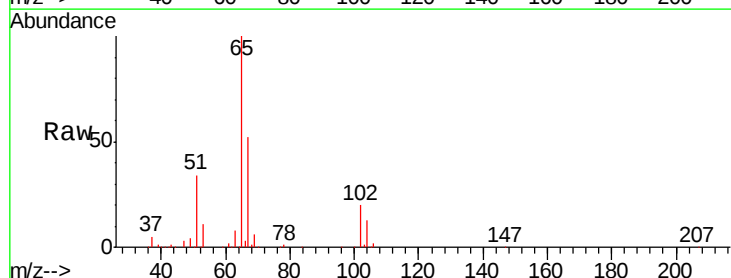
Instrument :
MSVOA_W
ClientSampleId :
0692-KM-CA-AMD-COMP

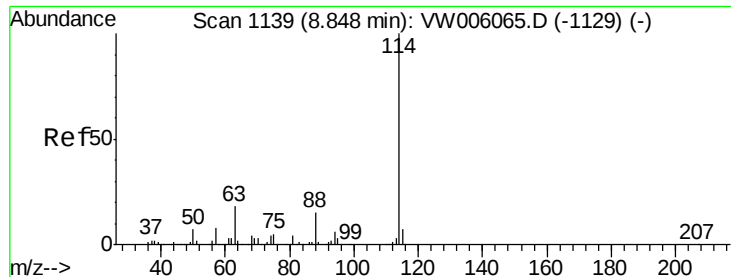
Tgt Ion: 56 Resp: 3854
Ion Ratio Lower Upper
56 100
69 155.4 29.4 44.0#
84 130.9 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 44.54 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

Tgt Ion: 65 Resp: 80333
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.0

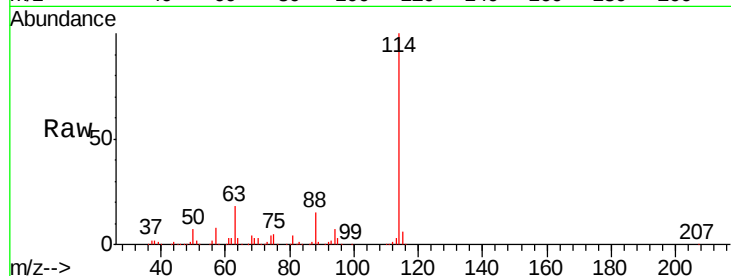




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006217.D
 Acq: 19 Oct 2018 11:14

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

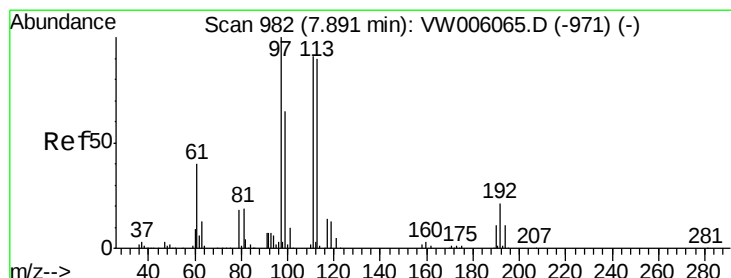
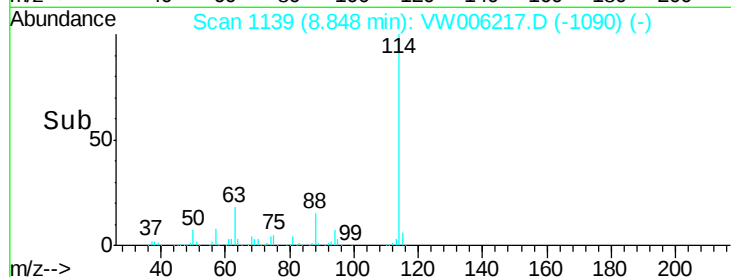
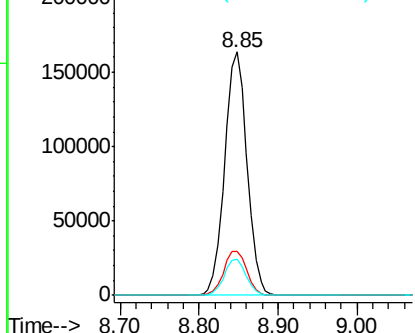
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.8
88	14.9	0.0	29.0



Abundance Ion 113.90 (113.60 to 114.60): V

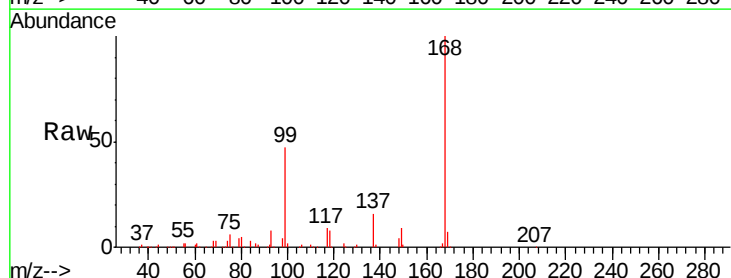
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 0.18 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. 0.07 min
 Lab File: VW006217.D
 Acq: 19 Oct 2018 11:14

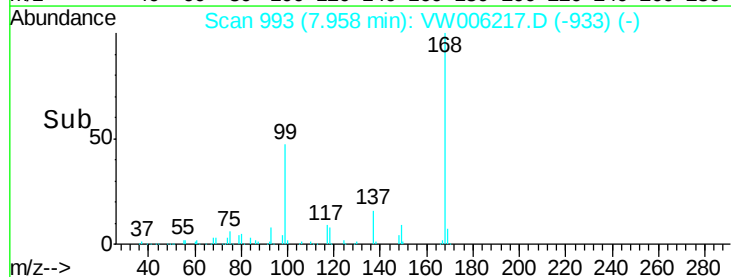
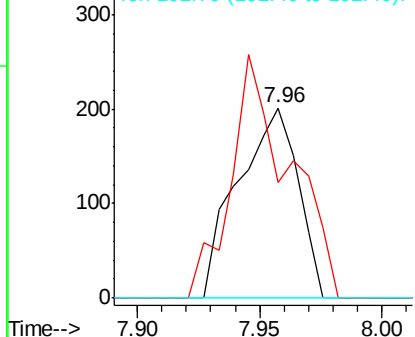
Tgt Ion	Ratio	Lower	Upper
113	100		
111	123.2	81.4	122.0#
192	0.0	18.7	28.1#

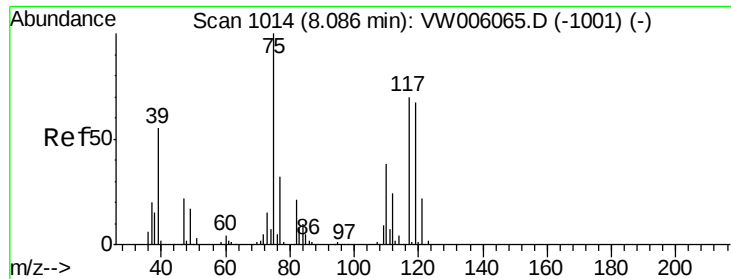


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

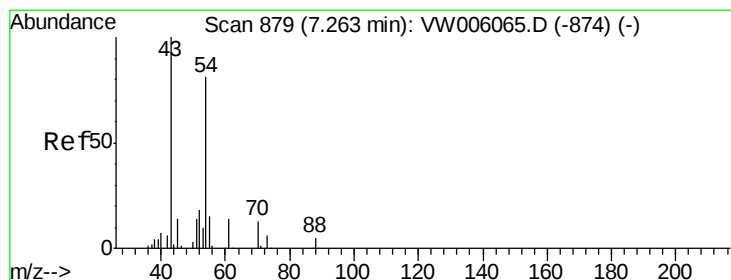
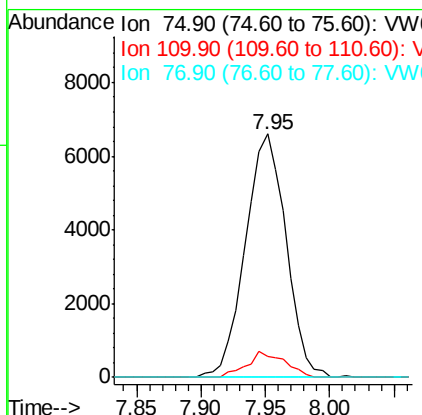
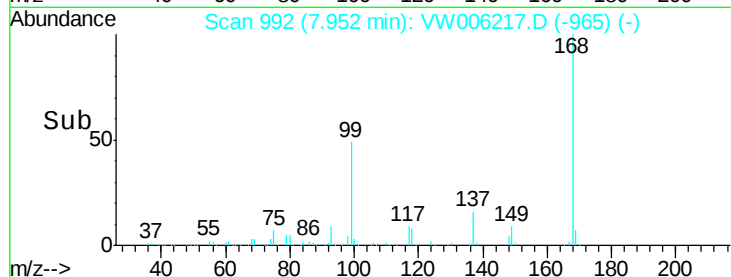
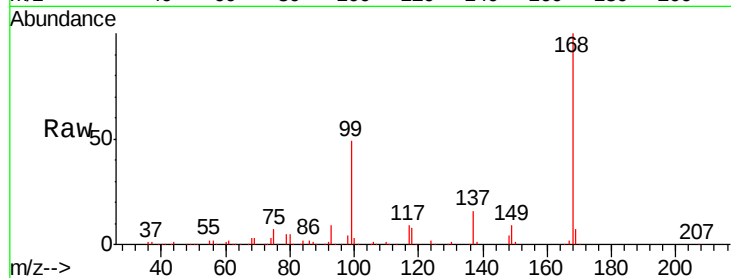




#36
 1,1-Dichloropropene
 Concen: 4.86 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006217.D
 Acq: 19 Oct 2018 11:14

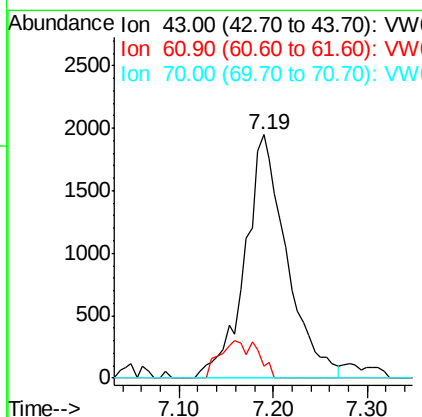
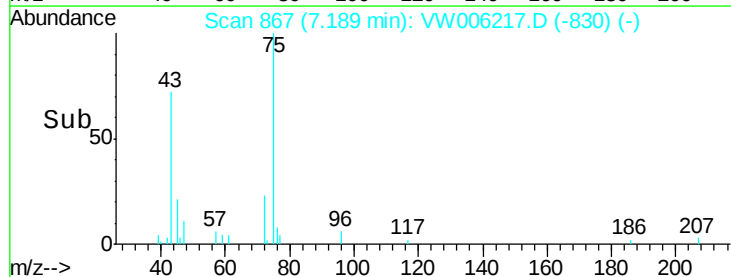
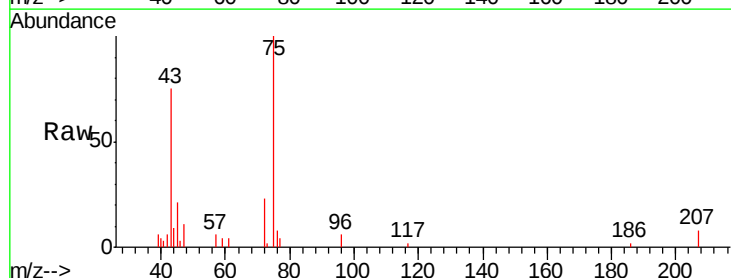
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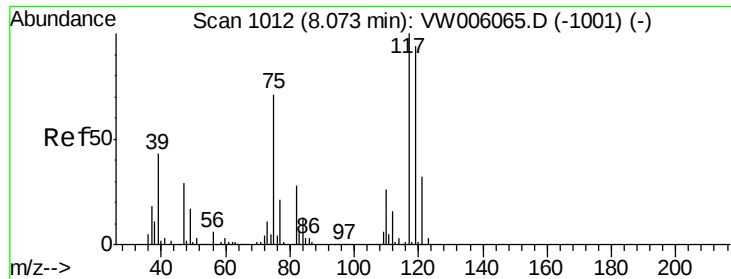
Tgt Ion: 75 Resp: 14410
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 5.49 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW006217.D
 Acq: 19 Oct 2018 11:14

Tgt Ion: 43 Resp: 6054
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 9.2 13.8#

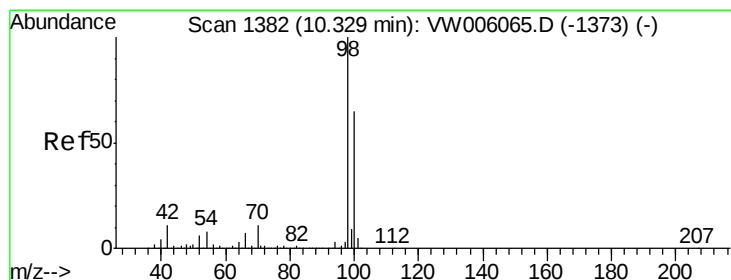
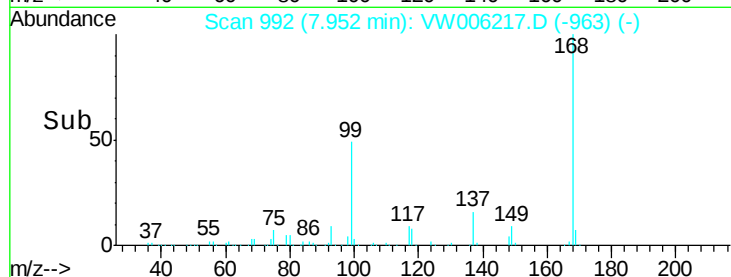
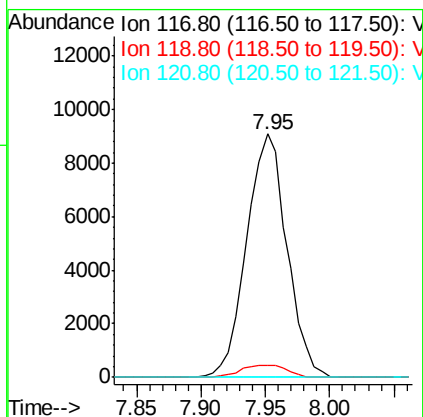
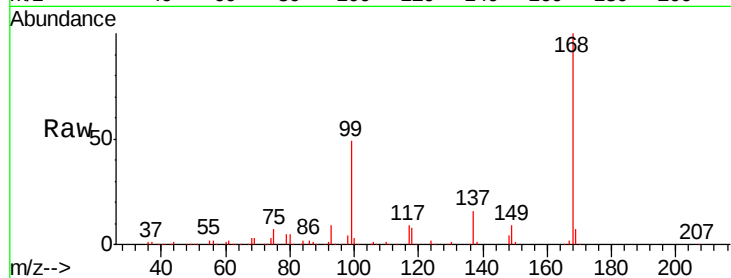




#38
Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

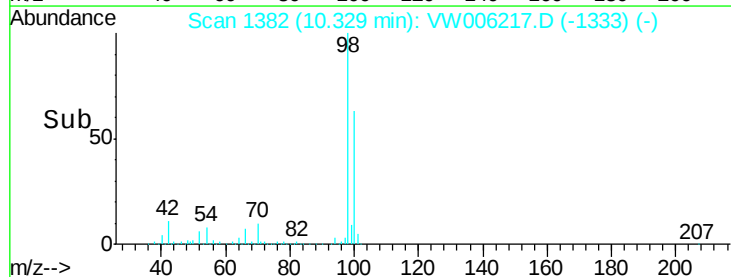
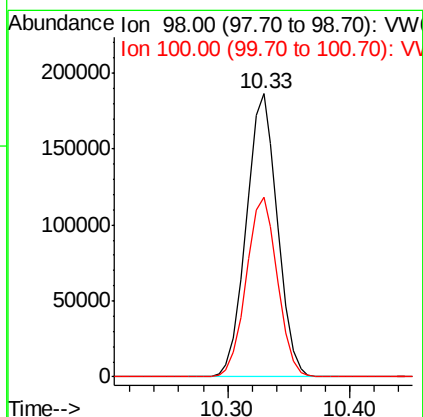
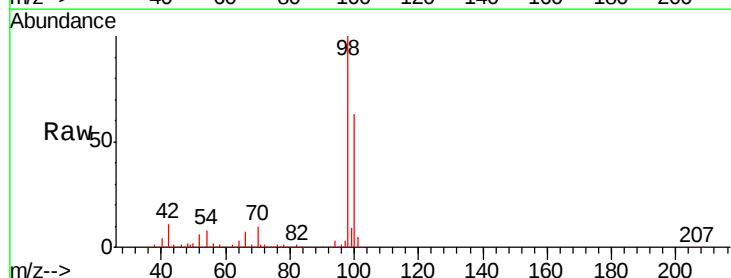
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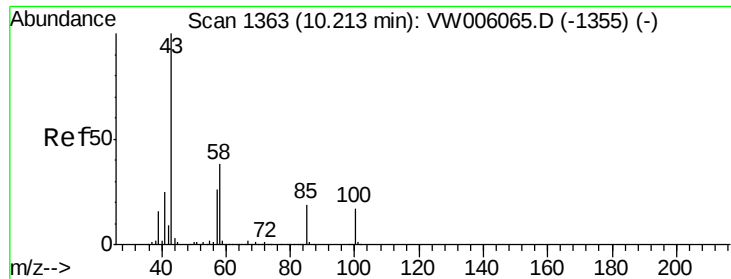
Tgt Ion:117 Resp: 19615
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 45.51 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

Tgt Ion: 98 Resp: 329289
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.52 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006217.D

Acq: 19 Oct 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

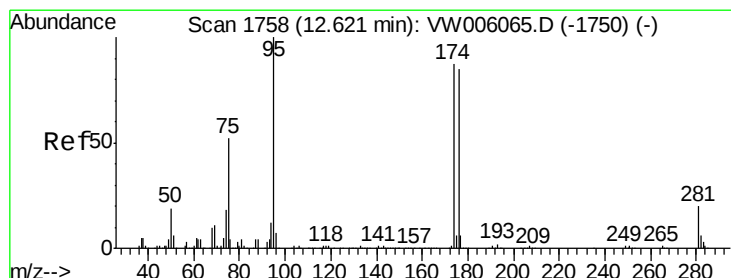
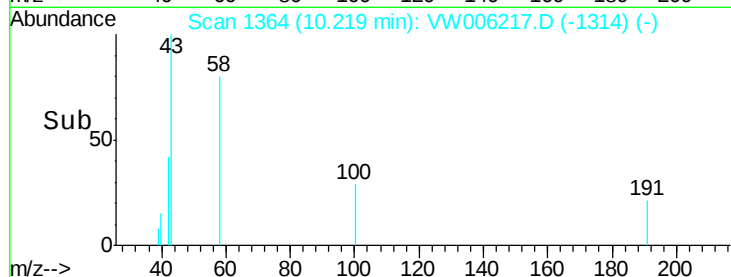
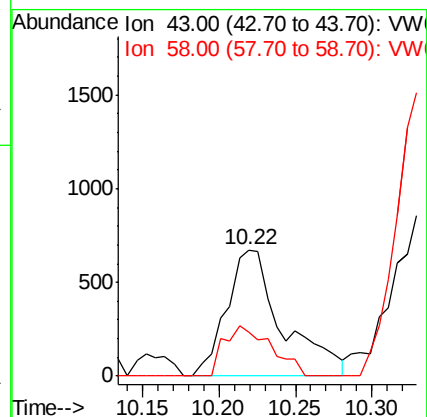
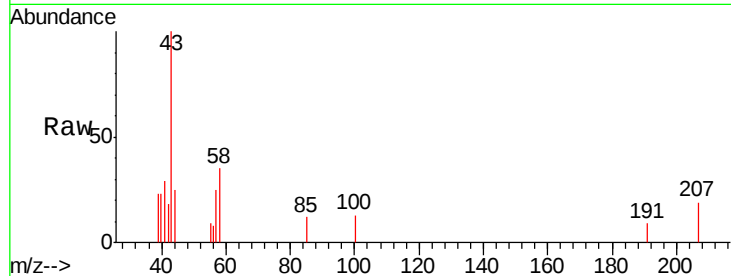
0692-KM-CA-AMD-COMP

Tgt Ion: 43 Resp: 1714

Ion Ratio Lower Upper

43 100

58 33.6 31.5 47.3



#62

4-Bromofluorobenzene

Concen: 37.41 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006217.D

Acq: 19 Oct 2018 11:14

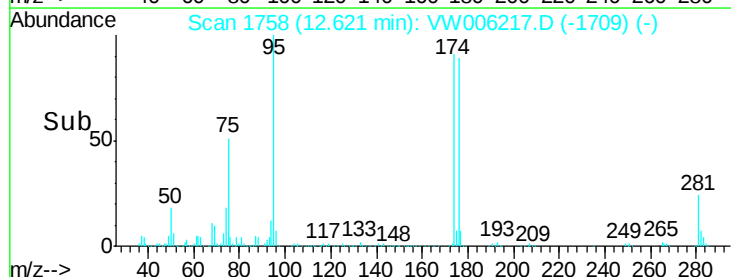
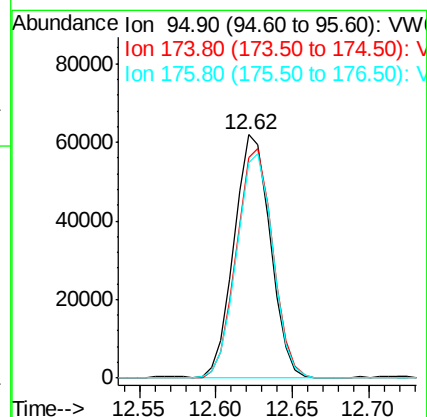
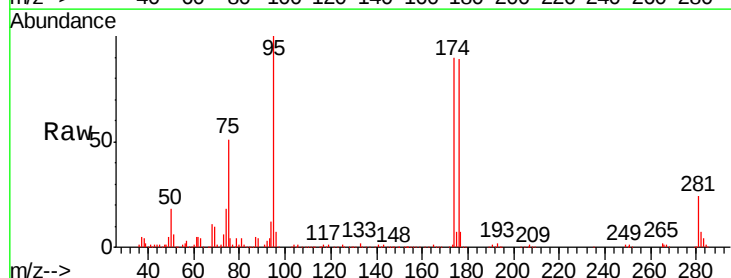
Tgt Ion: 95 Resp: 101652

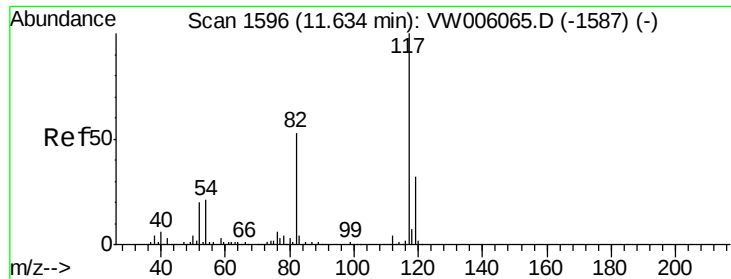
Ion Ratio Lower Upper

95 100

174 94.7 0.0 186.0

176 92.3 0.0 181.6

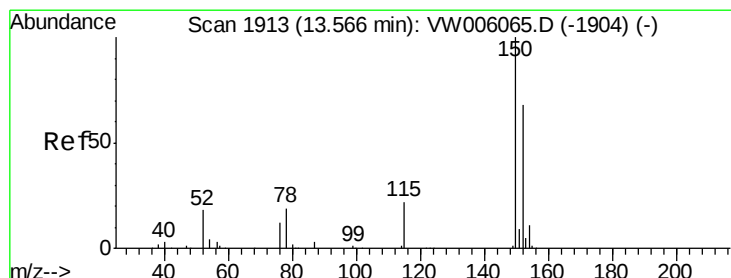
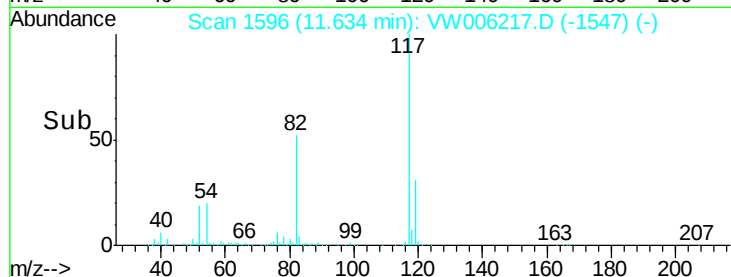
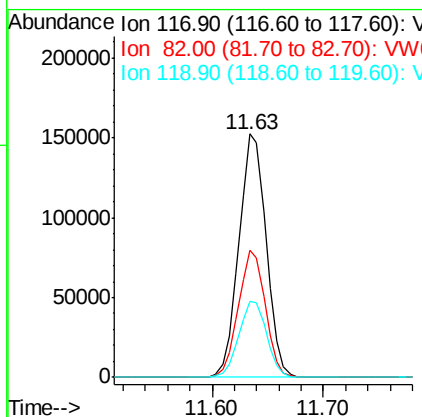
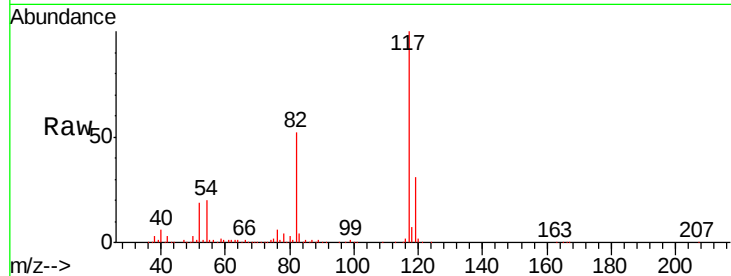




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

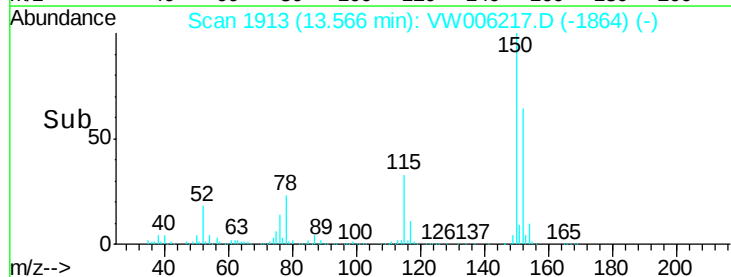
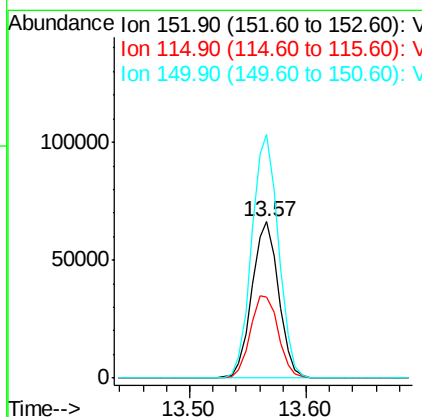
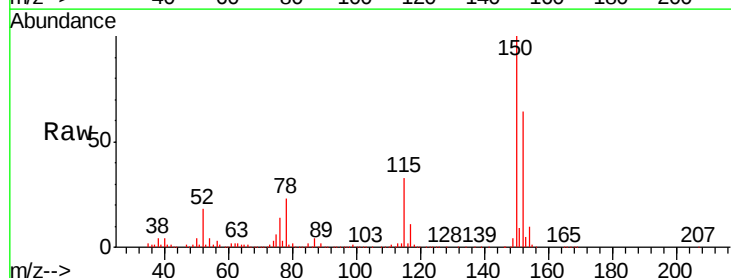
Instrument :
MSVOA_W
ClientSampleId :
0692-KM-CA-AMD-COMP

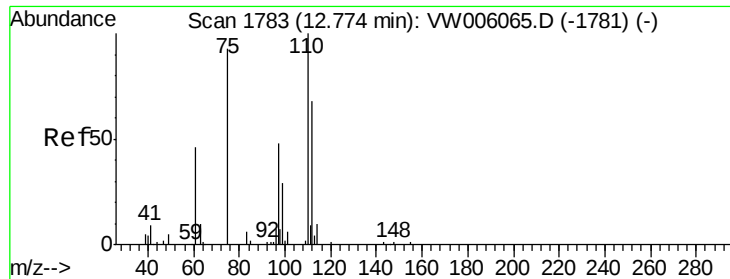
Tgt Ion:117 Resp: 258380
Ion Ratio Lower Upper
117 100
82 52.0 42.1 63.1
119 31.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

Tgt Ion:152 Resp: 105837
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.3
150 156.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 65.34 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006217.D

Acq: 19 Oct 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

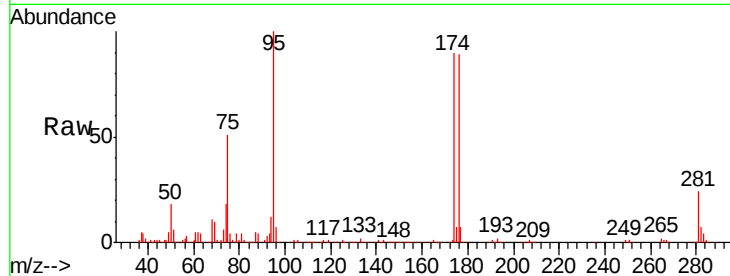
0692-KM-CA-AMD-COMP

Tgt Ion: 75 Resp: 52820

Ion Ratio Lower Upper

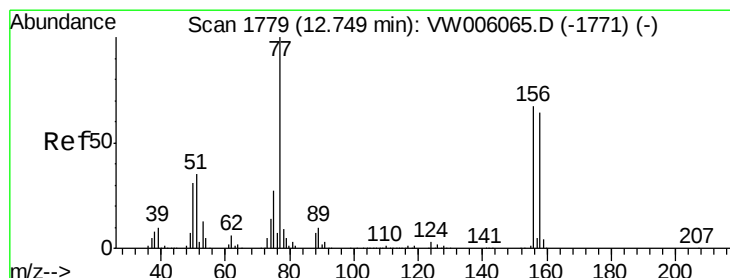
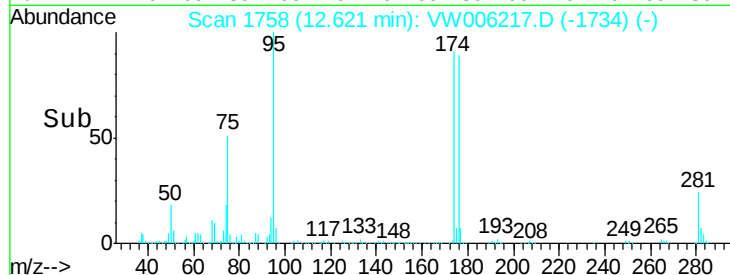
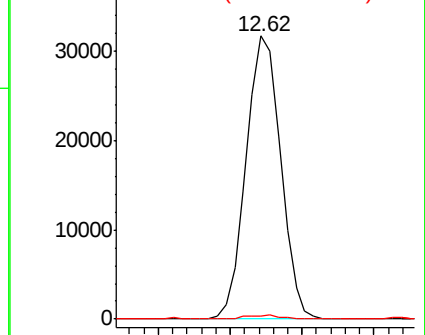
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 1.37 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW006217.D

Acq: 19 Oct 2018 11:14

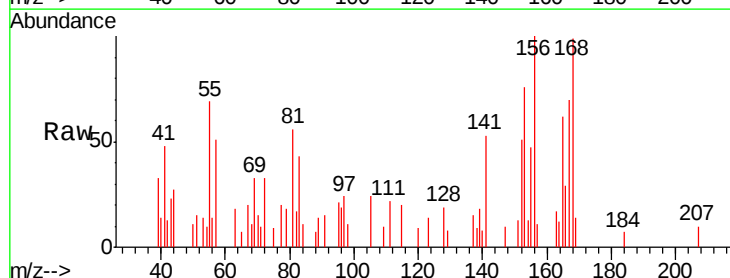
Tgt Ion: 156 Resp: 2515

Ion Ratio Lower Upper

156 100

77 15.1 79.1 237.4#

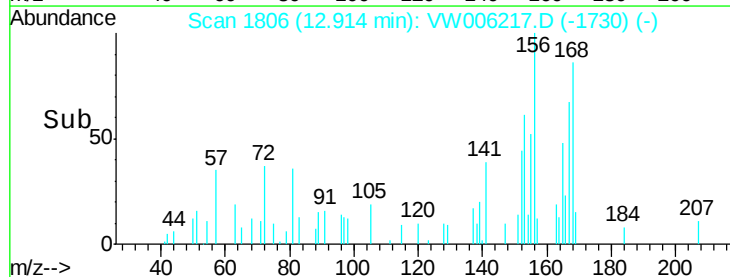
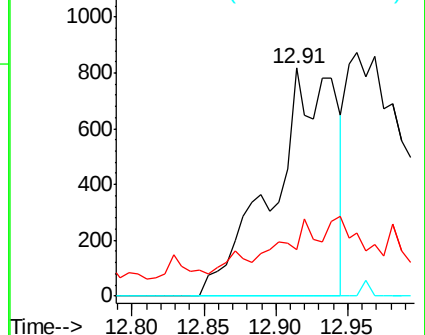
158 0.0 48.5 145.6#

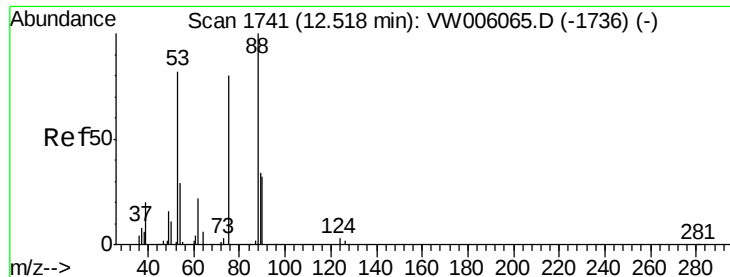


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 156.19 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006217.D

Acq: 19 Oct 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

0692-KM-CA-AMD-COMP

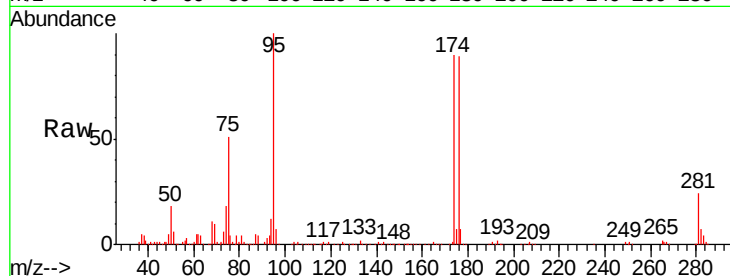
Tgt Ion: 75 Resp: 52820

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

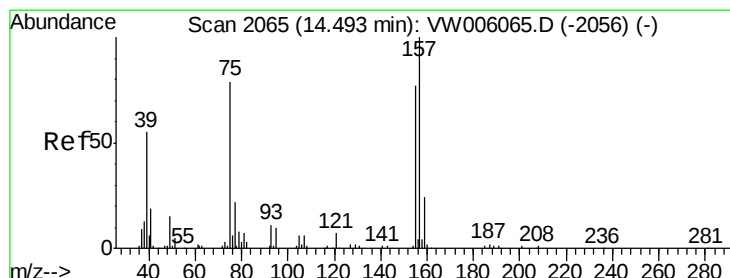
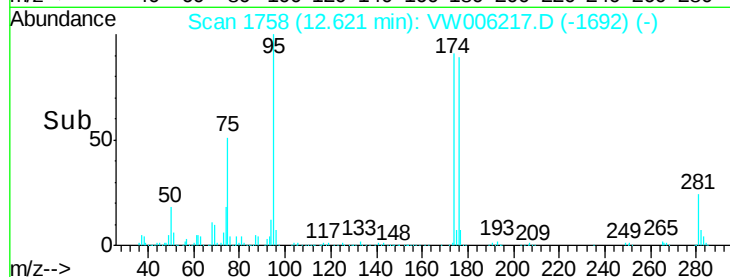
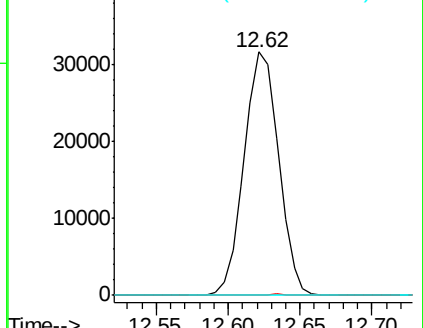
89 0.0 37.5 56.3#



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: 532.01 ug/l

RT: 14.53 min Scan# 2071

Delta R.T. 0.04 min

Lab File: VW006217.D

Acq: 19 Oct 2018 11:14

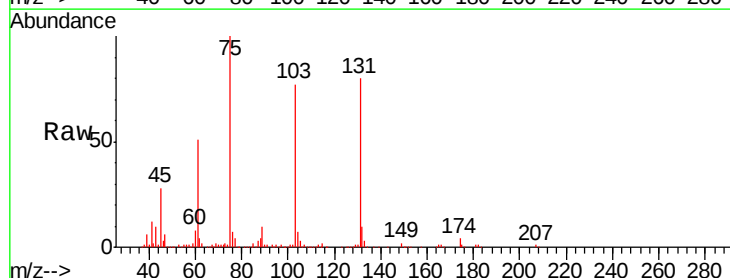
Tgt Ion: 75 Resp: 108322

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

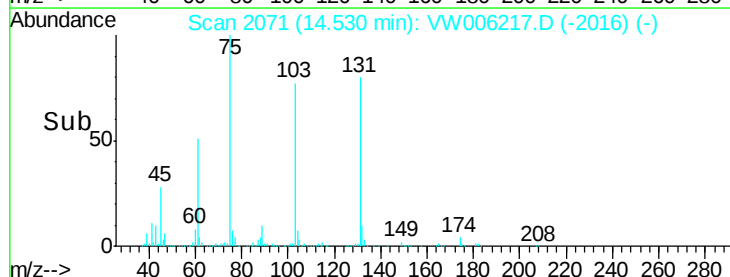
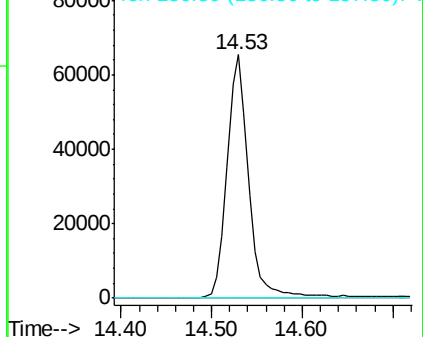
157 0.1 59.8 179.4#

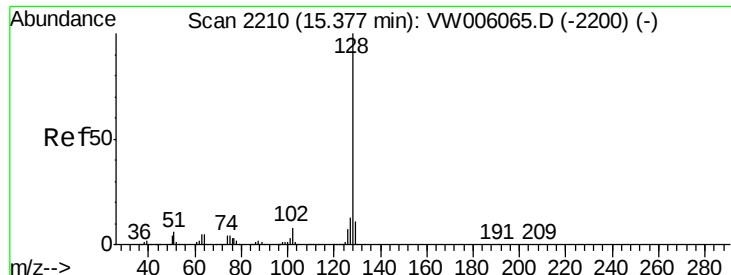


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

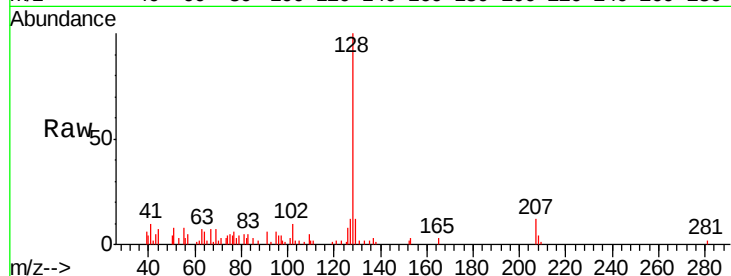




#95
Naphthalene
Concen: 1.90 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006217.D
Acq: 19 Oct 2018 11:14

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

Tgt Ion:128 Resp: 7902
Ion Ratio Lower Upper
128 100
127 15.6 10.3 15.5#
129 11.6 8.7 13.1



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

