

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003467.D
 Acq On : 23 Jun 2018 18:11
 Operator : SY/AP
 Sample : J3664-10
 Misc : 6.83G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB476-31-33-180619

Quant Time: Jun 25 02:38:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	162303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	257483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	234554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	84495	48.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.12%	
35) Dibromofluoromethane	7.89	113	69410	43.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.76%	
50) Toluene-d8	10.33	98	229900	36.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.48%	
62) 4-Bromofluorobenzene	12.63	95	78560	34.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.98%	

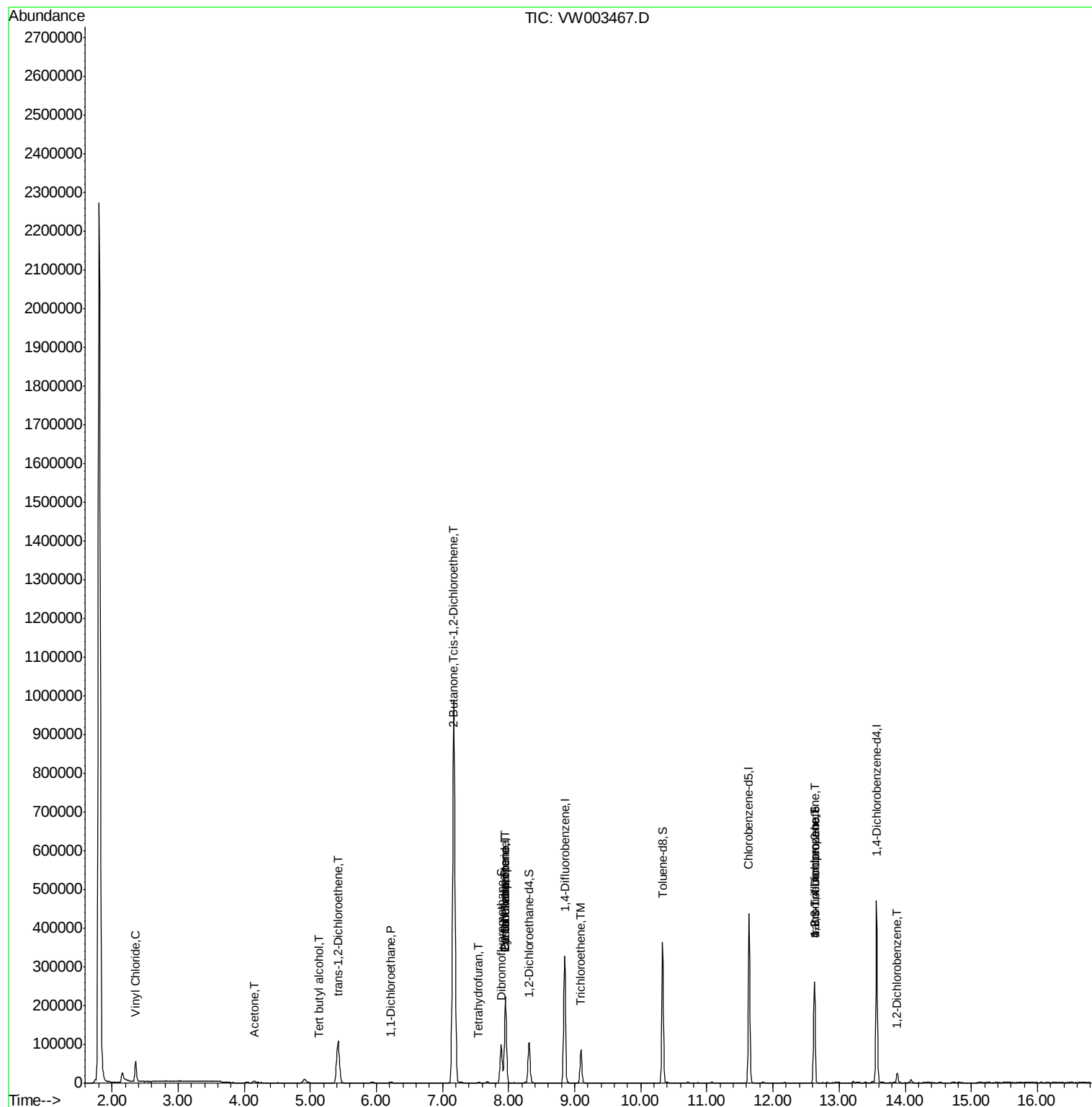
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	55349	30.625	ug/l	97
11) Tert butyl alcohol	5.14	59	121	1.283	ug/l #	84
16) Acetone	4.15	43	8555	23.203	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	65304	40.841	ug/l	98
24) 1,1-Dichloroethane	6.22	63	3636	1.196	ug/l #	91
25) 2-Butanone	7.15	43	476	1.038	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	568939	323.894	ug/l	92
29) Tetrahydrofuran	7.54	42	649	2.316	ug/l #	54
31) Cyclohexane	7.95	56	4298	1.513	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	13438	5.404	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16179	6.633	ug/l #	15
44) Trichloroethene	9.10	130	28788	15.851	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	42995	44.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	42995	101.343	ug/l #	8
91) 1,2-Dichlorobenzene	13.88	146	9801	2.944	ug/l	97

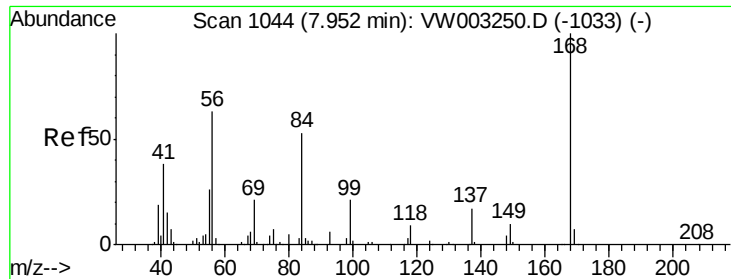
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

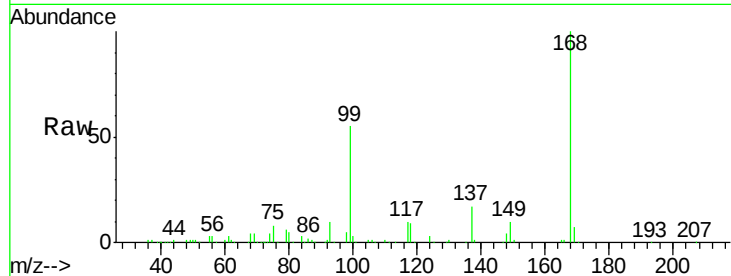
WP021SB476-31-33-180619

Tgt Ion:168 Resp: 162303

Ion Ratio Lower Upper

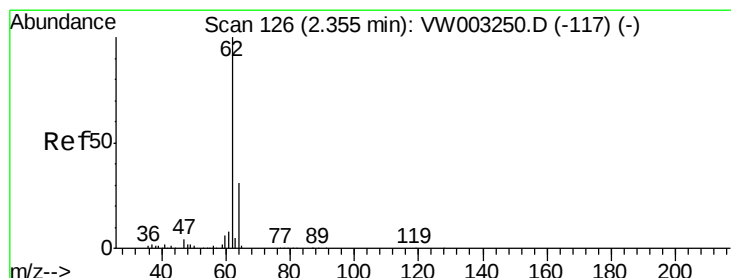
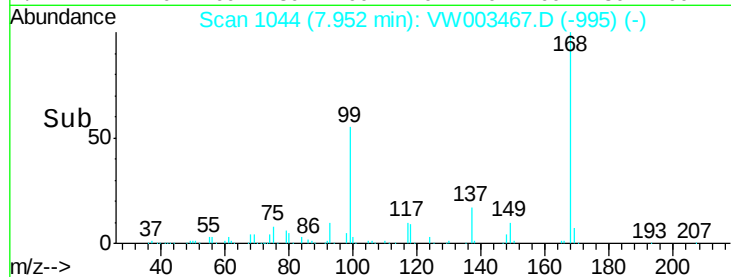
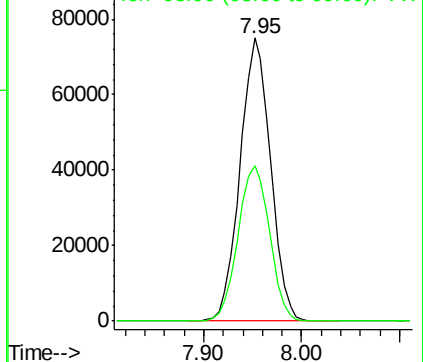
168 100

99 55.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 30.625 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003467.D

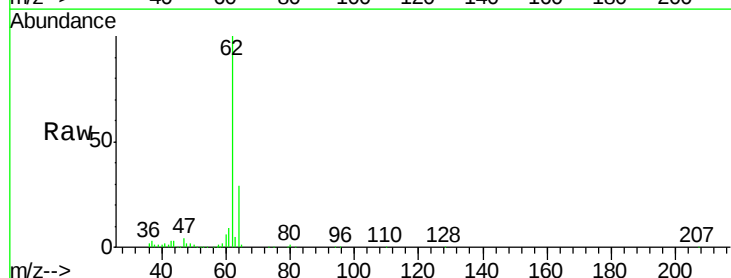
Acq: 23 Jun 2018 18:11

Tgt Ion: 62 Resp: 55349

Ion Ratio Lower Upper

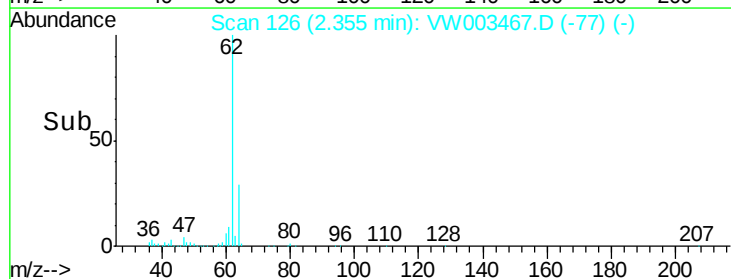
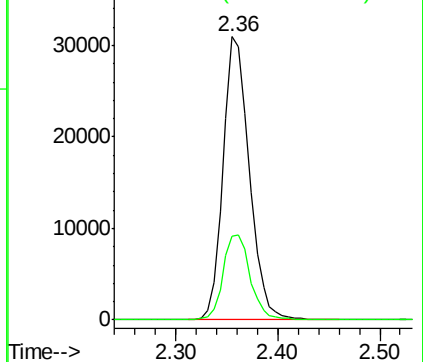
62 100

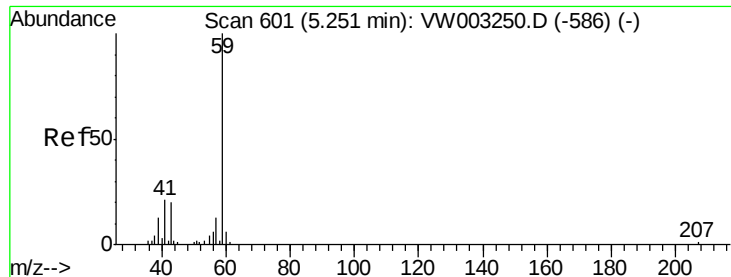
64 29.5 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



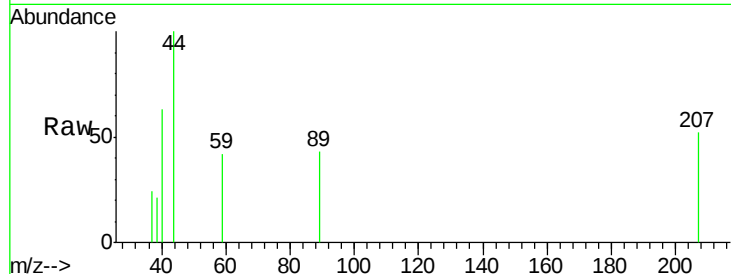


#11

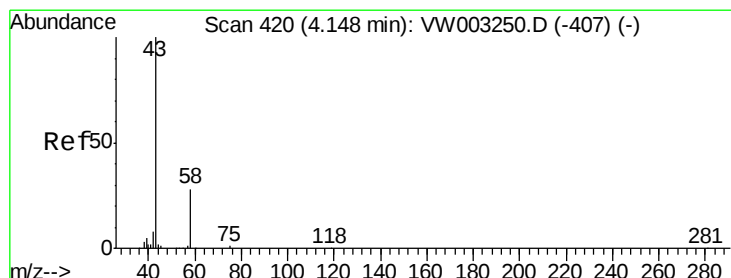
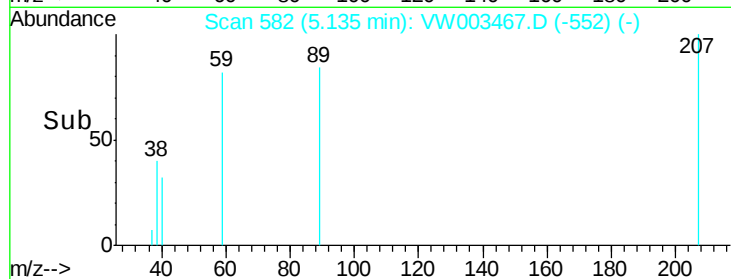
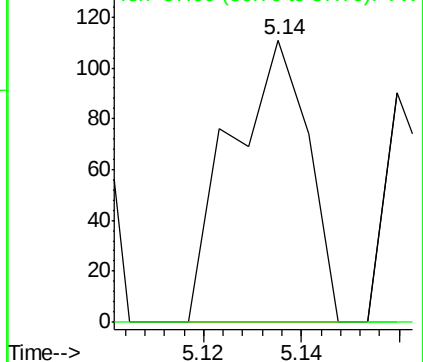
Tert butyl alcohol
Concen: 1.283 ug/l
RT: 5.14 min Scan# 582
Delta R.T. -0.12 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

Instrument :
MSVOA_W
ClientSampleId :
WP021SB476-31-33-180619

Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#



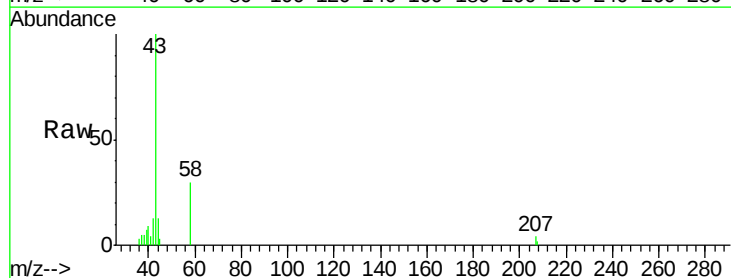
Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



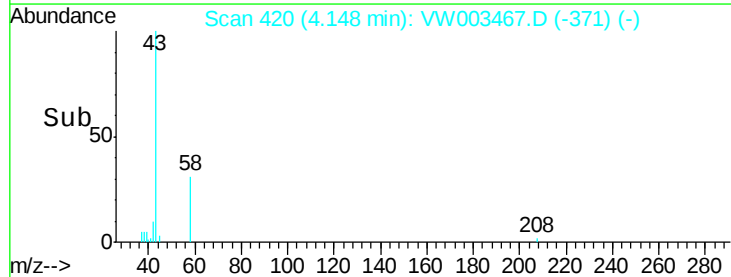
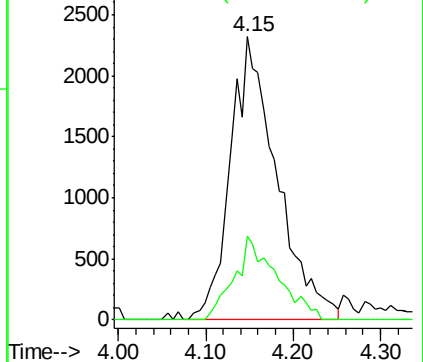
#16

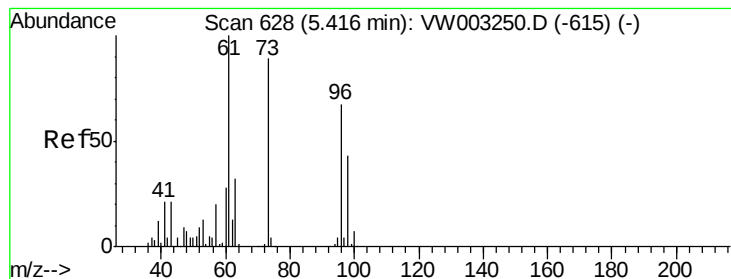
Acetone
Concen: 23.203 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

Tgt Ion: 43 Resp: 8555
Ion Ratio Lower Upper
43 100
58 29.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#21

trans-1,2-Dichloroethene

Concen: 40.841 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

WP021SB476-31-33-180619

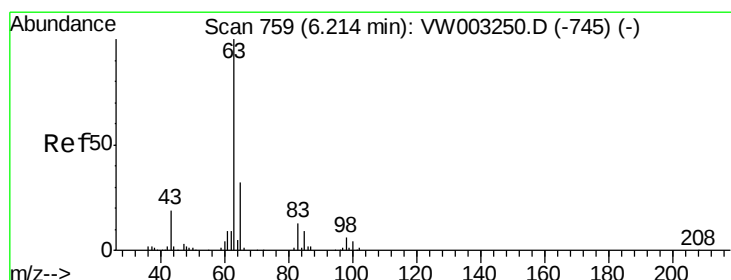
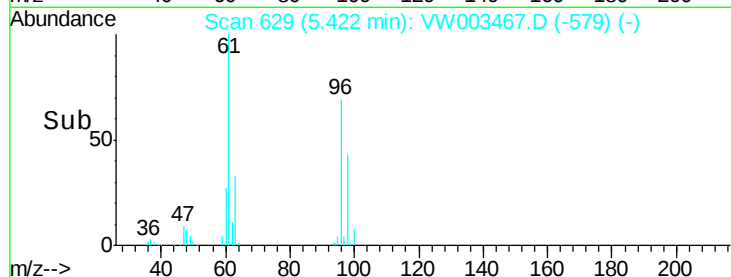
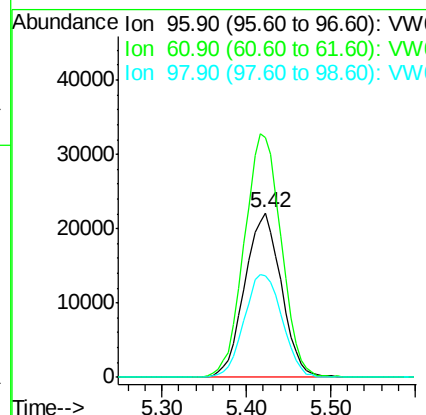
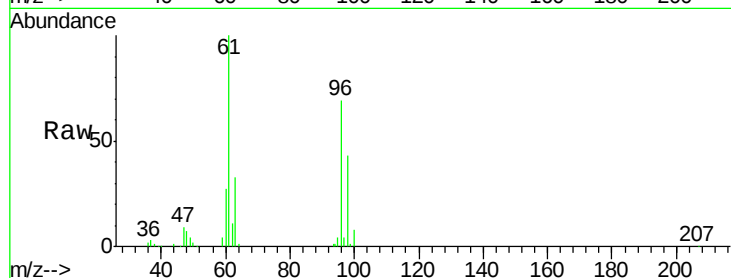
Tgt Ion: 96 Resp: 65304

Ion Ratio Lower Upper

96 100

61 145.6 118.7 178.1

98 62.0 51.0 76.6



#24

1,1-Dichloroethane

Concen: 1.196 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

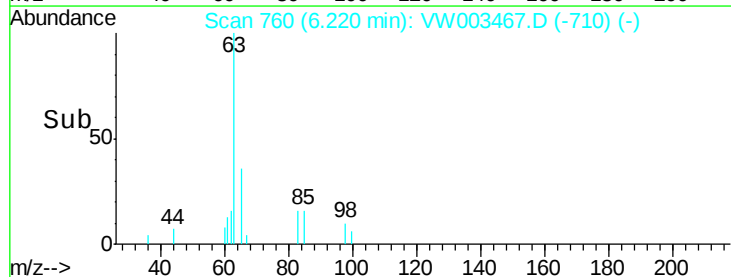
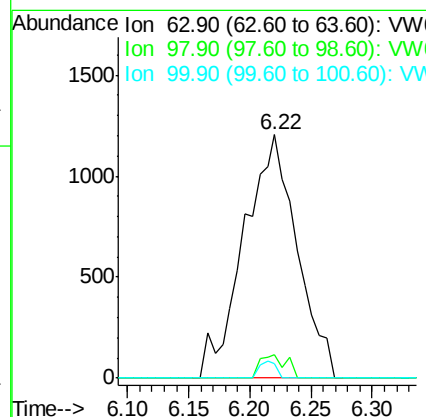
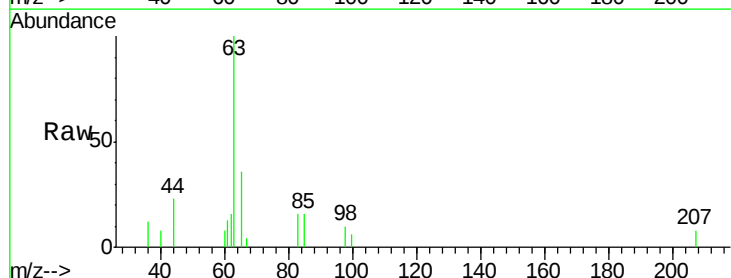
Tgt Ion: 63 Resp: 3636

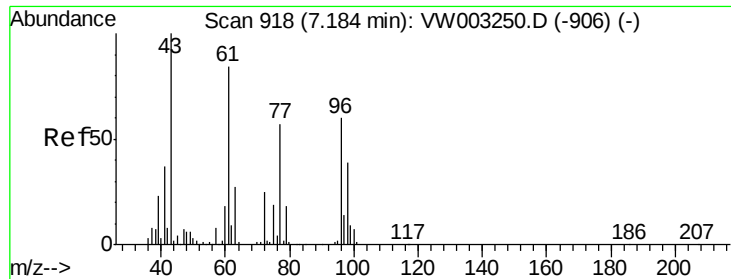
Ion Ratio Lower Upper

63 100

98 9.6 2.8 8.3#

100 5.7 2.1 6.5





#25

2-Butanone

Concen: 1.038 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

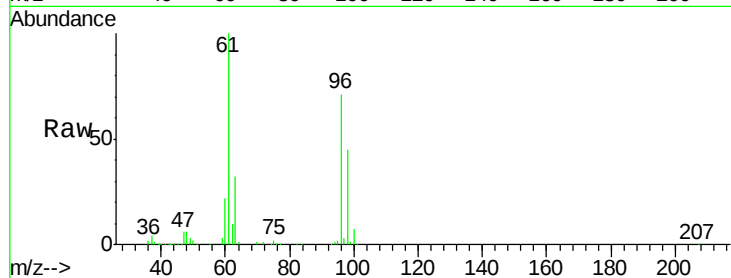
WP021SB476-31-33-180619

Tgt Ion: 43 Resp: 476

Ion Ratio Lower Upper

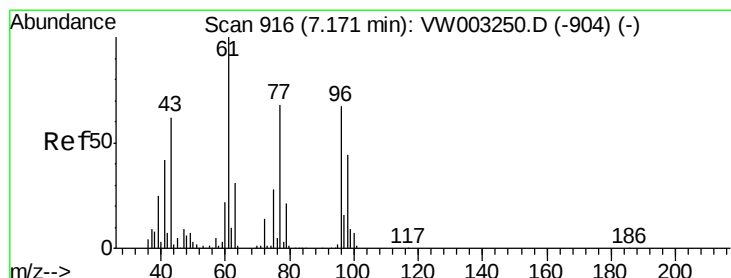
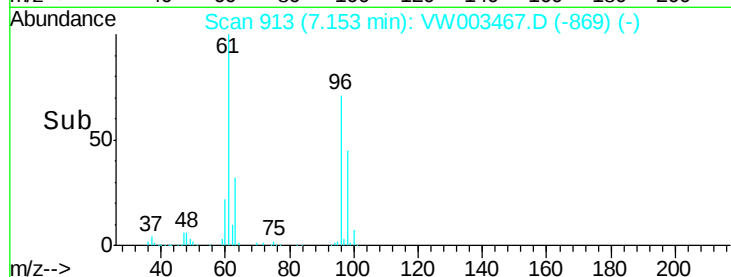
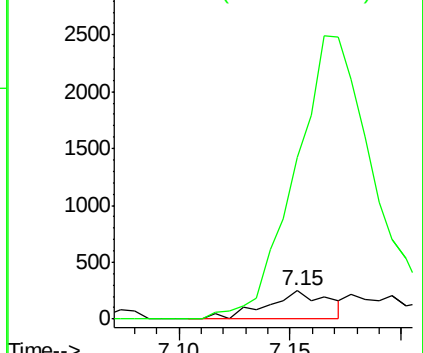
43 100

72 568.9 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#27

cis-1,2-Dichloroethene

Concen: 323.894 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

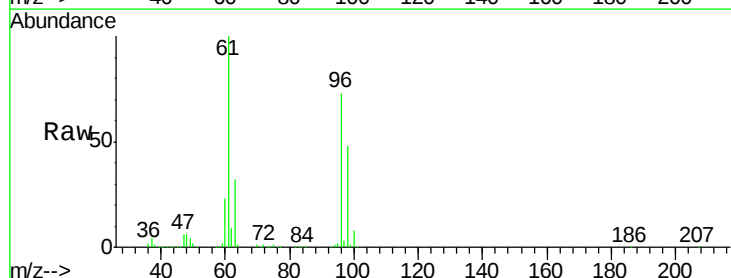
Tgt Ion: 96 Resp: 568939

Ion Ratio Lower Upper

96 100

61 135.9 0.0 298.8

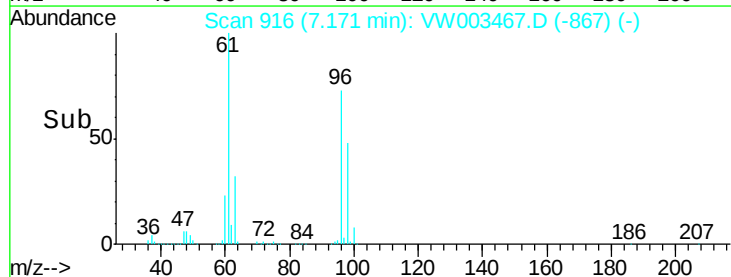
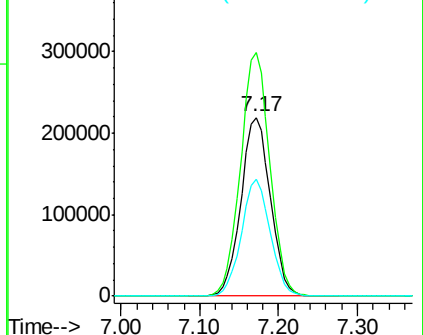
98 64.0 0.0 130.4

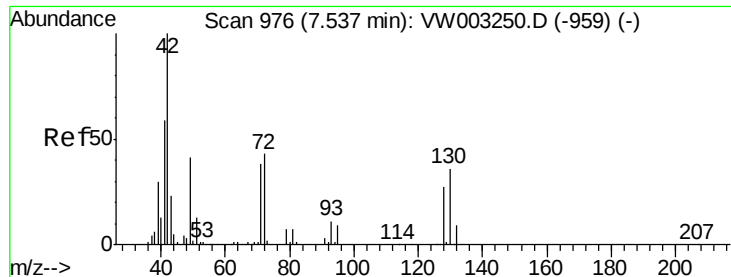


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

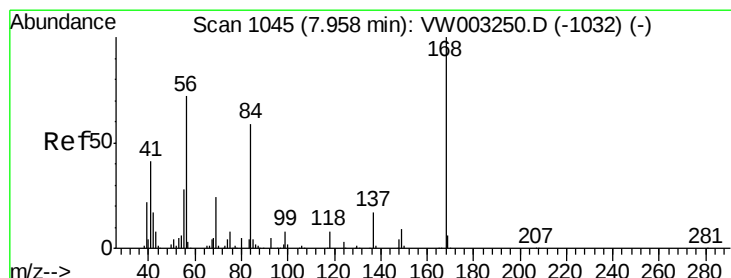
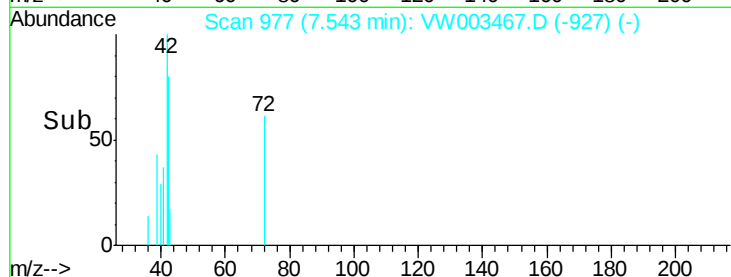
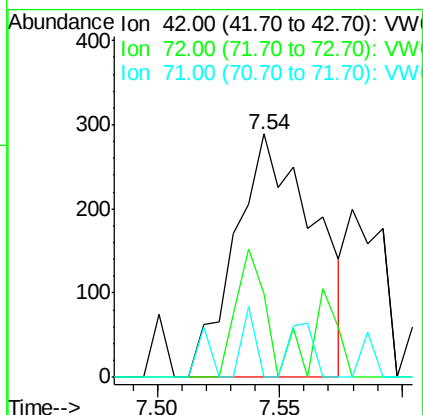
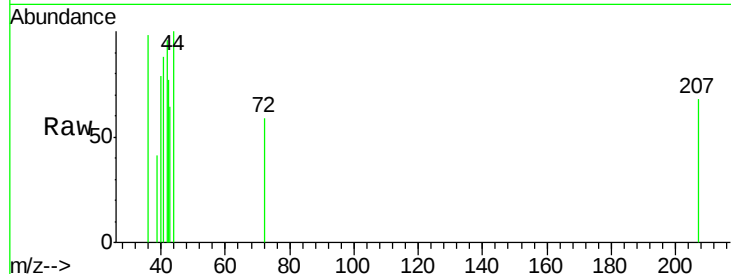




#29
Tetrahydrofuran
Concen: 2.316 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

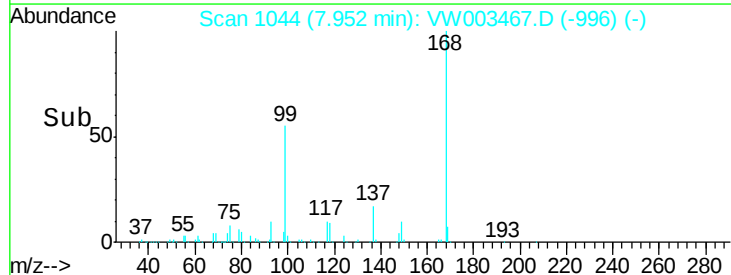
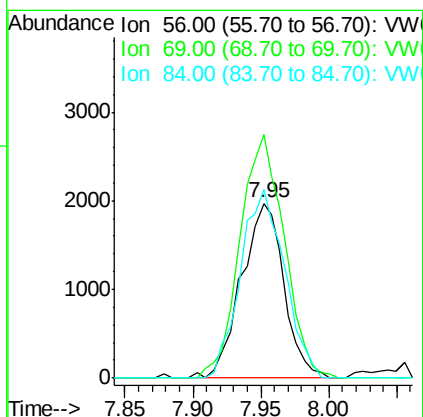
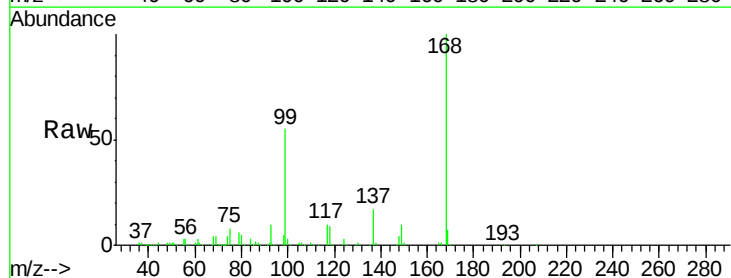
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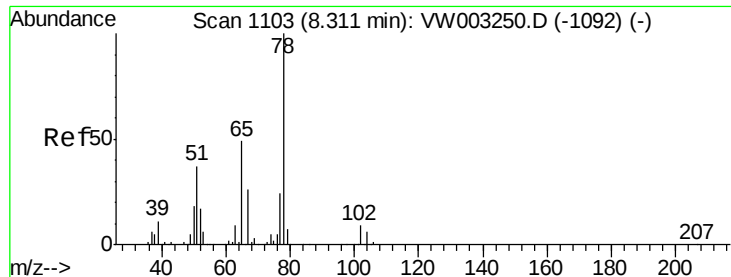
Tgt Ion: 42 Resp: 649
Ion Ratio Lower Upper
42 100
72 18.3 32.4 48.6#
71 4.8 31.2 46.8#



#31
Cyclohexane
Concen: 1.513 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

Tgt Ion: 56 Resp: 4298
Ion Ratio Lower Upper
56 100
69 139.1 26.3 39.5#
84 107.6 65.7 98.5#

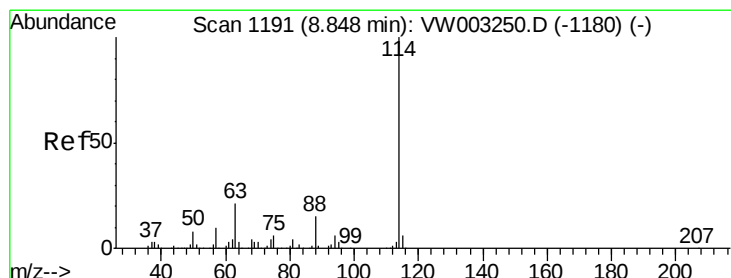
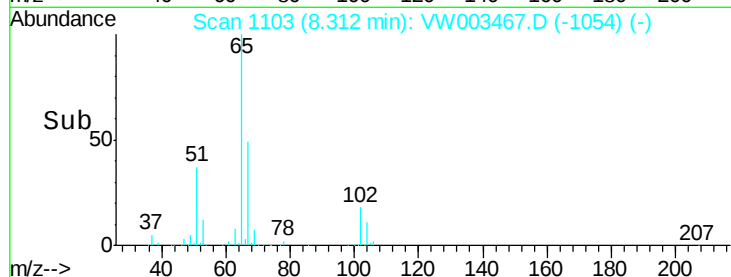
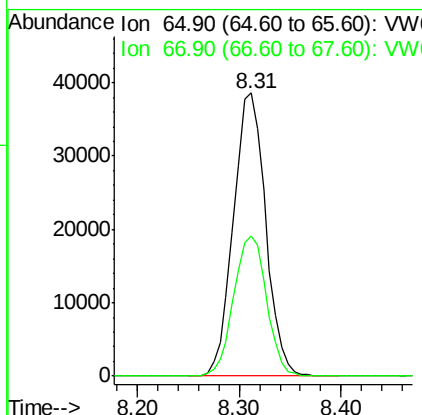
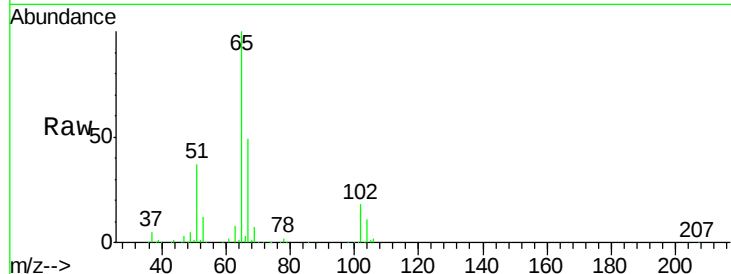




#33
 1,2-Dichloroethane-d4
 Concen: 48.063 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003467.D
 Acq: 23 Jun 2018 18:11

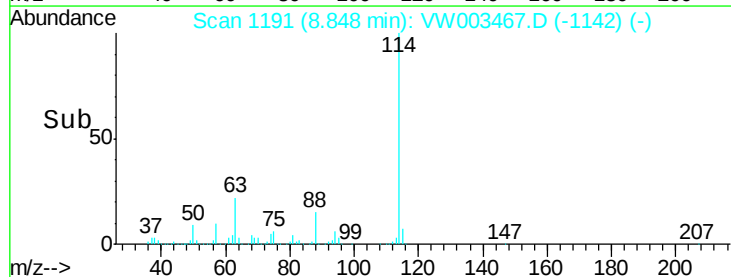
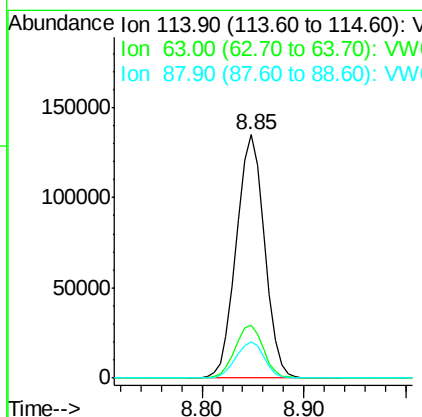
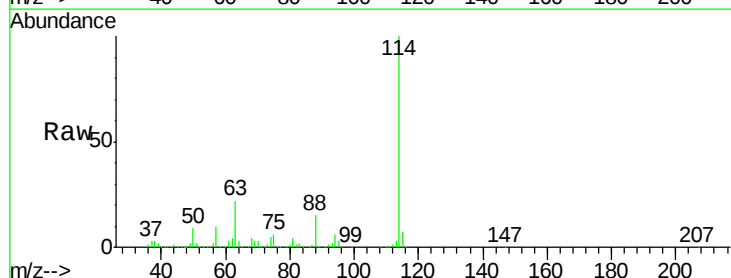
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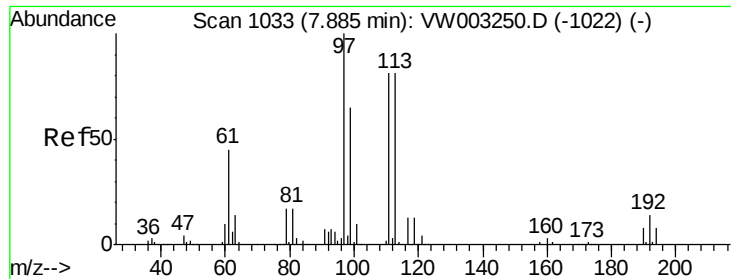
Tgt Ion: 65 Resp: 84495
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003467.D
 Acq: 23 Jun 2018 18:11

Tgt Ion: 114 Resp: 257483
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 15.0 0.0 29.6

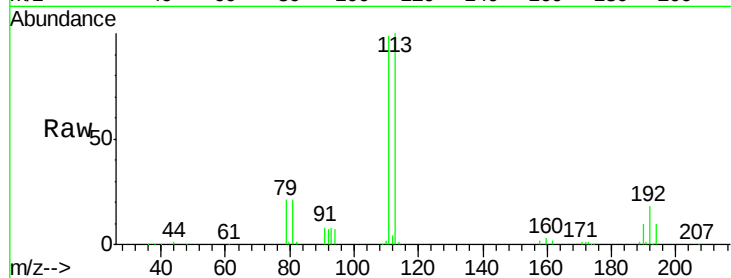




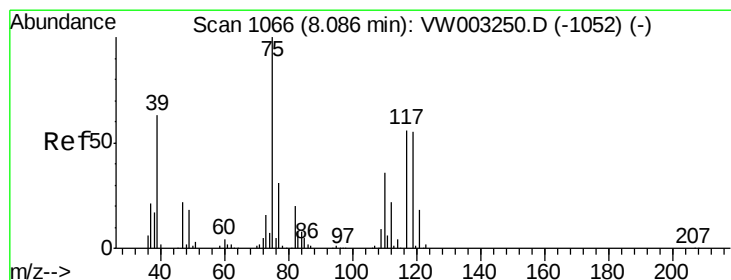
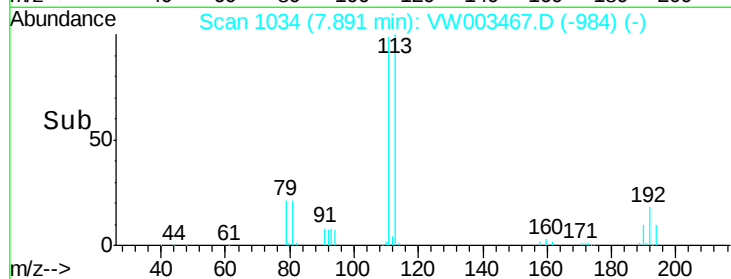
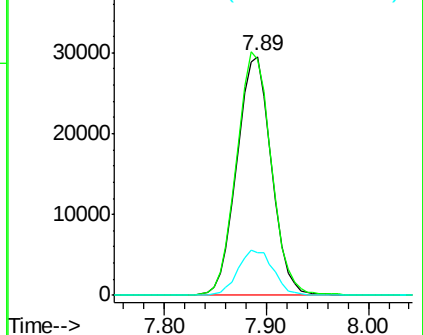
#35
 Dibromofluoromethane
 Concen: 43.383 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003467.D
 Acq: 23 Jun 2018 18:11

Instrument :
 MSVOA_W
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 WP021SB476-31-33-180619

Tgt Ion: 113 Resp: 69410
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.2
 192 19.6 16.2 24.2

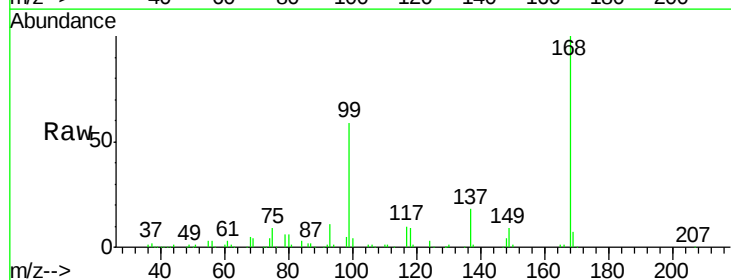


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

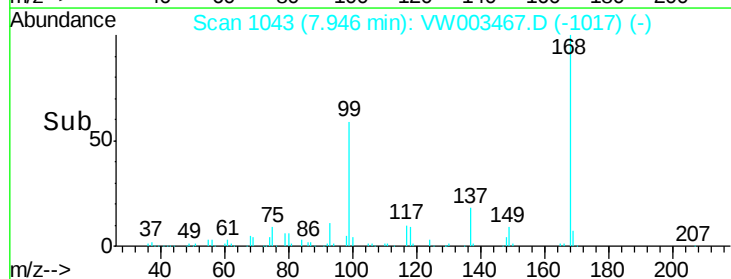
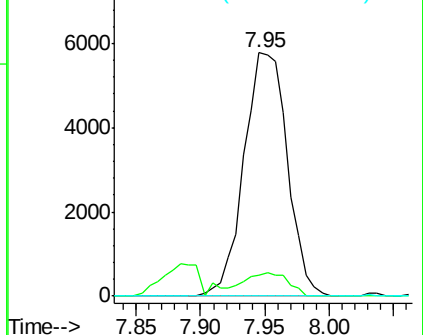


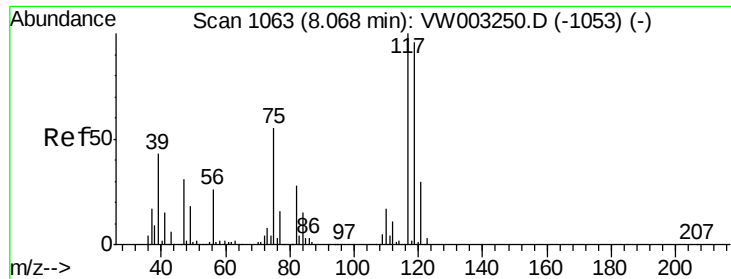
#36
 1,1-Dichloropropene
 Concen: 5.404 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW003467.D
 Acq: 23 Jun 2018 18:11

Tgt Ion: 75 Resp: 13438
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.1 51.3#
 77 0.0 24.9 37.3#



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

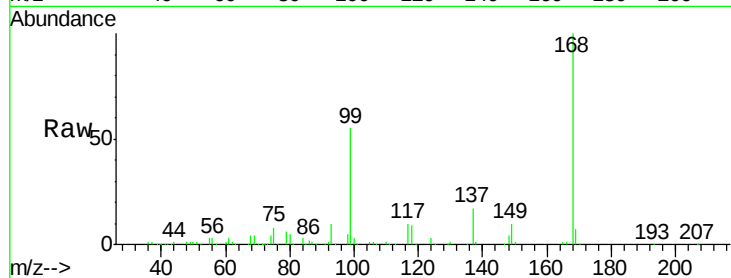




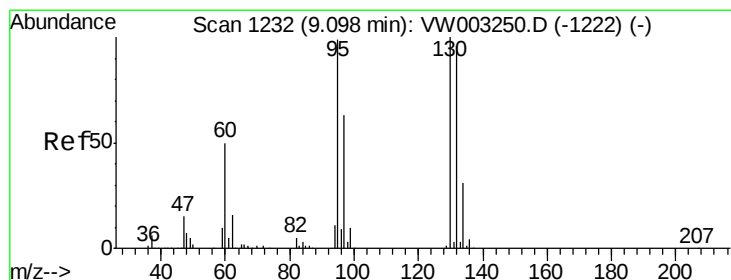
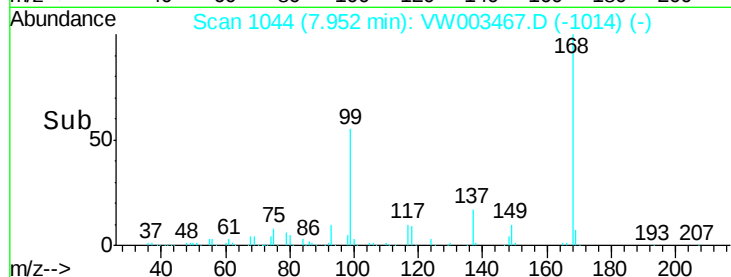
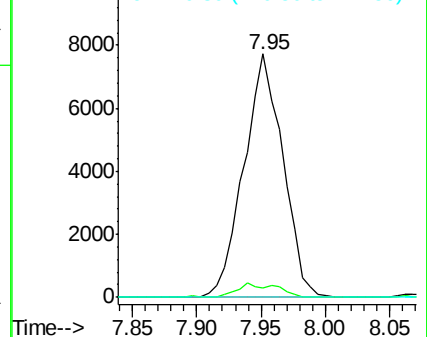
#38
Carbon Tetrachloride
Concen: 6.633 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

Instrument :
MSVOA_W
ClientSampleId :
WP021SB476-31-33-180619

Tgt Ion:117 Resp: 16179
Ion Ratio Lower Upper
117 100
119 4.0 76.6 115.0#
121 0.0 23.9 35.9#

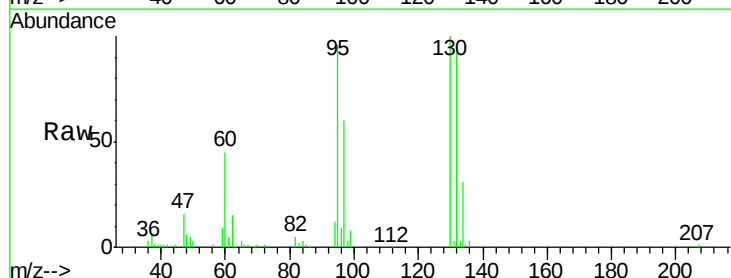


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

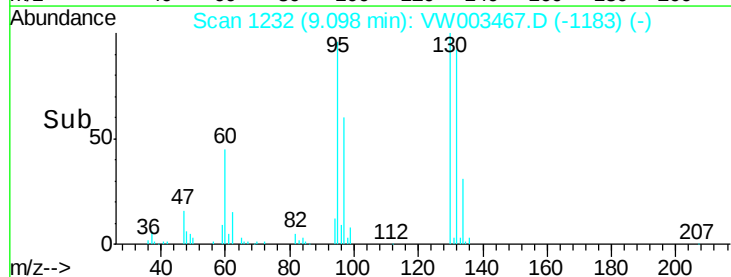
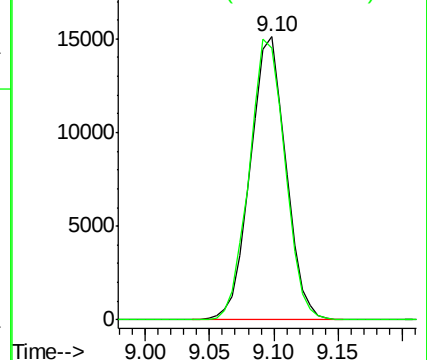


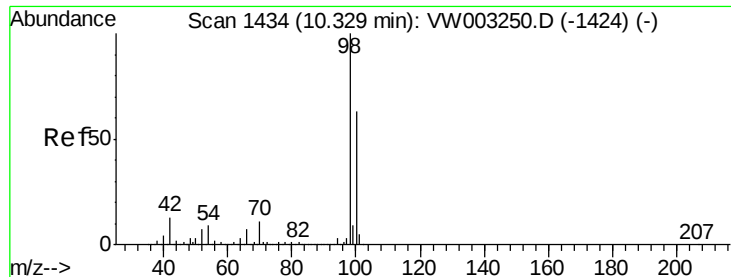
#44
Trichloroethene
Concen: 15.851 ug/l
RT: 9.10 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

Tgt Ion:130 Resp: 28788
Ion Ratio Lower Upper
130 100
95 96.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 36.239 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

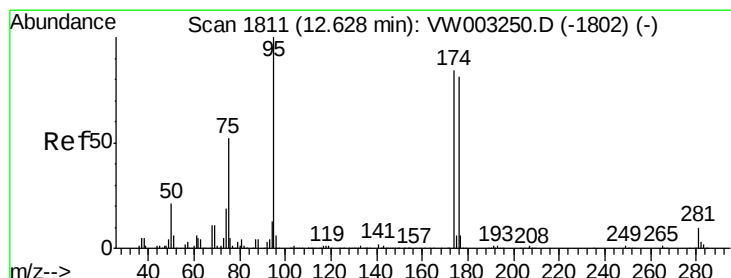
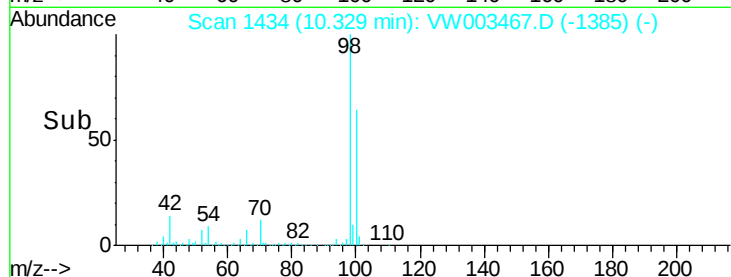
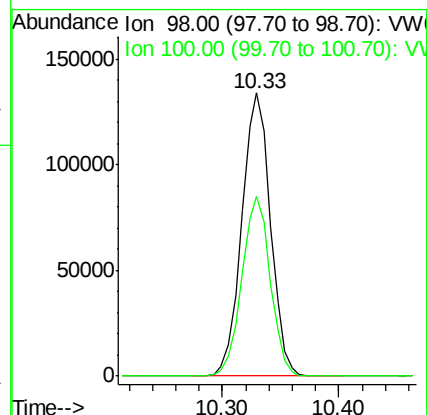
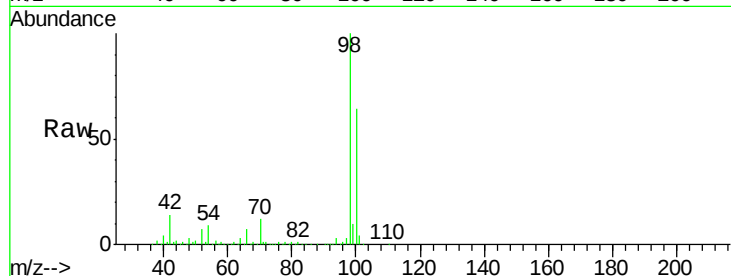
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Tgt Ion: 98 Resp: 229900

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 34.992 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

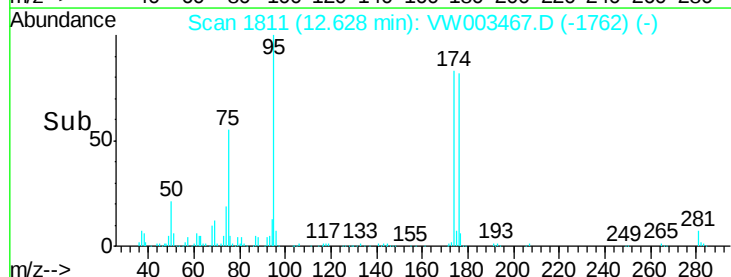
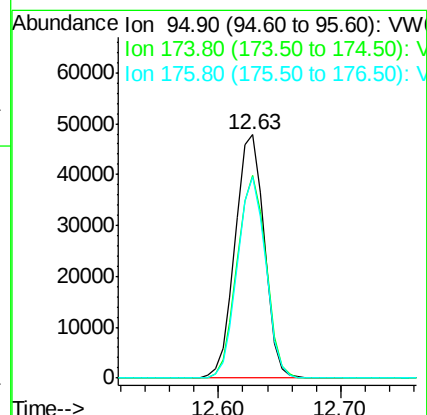
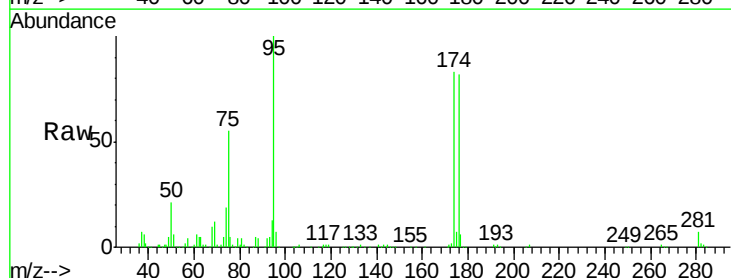
Tgt Ion: 95 Resp: 78560

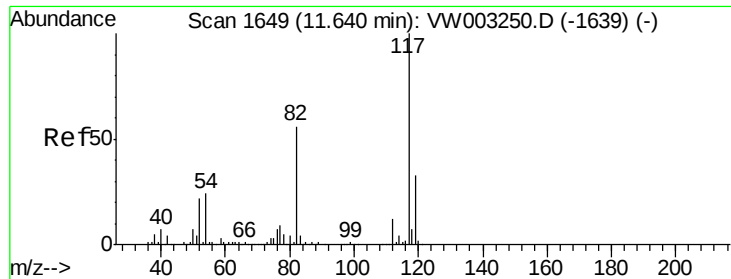
Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.4

176 80.3 0.0 162.0

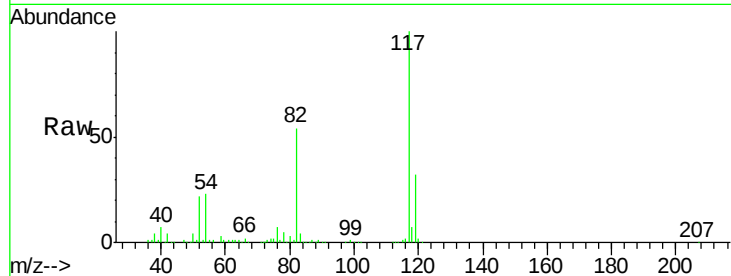




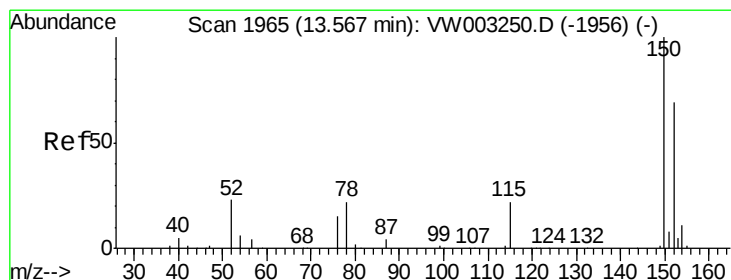
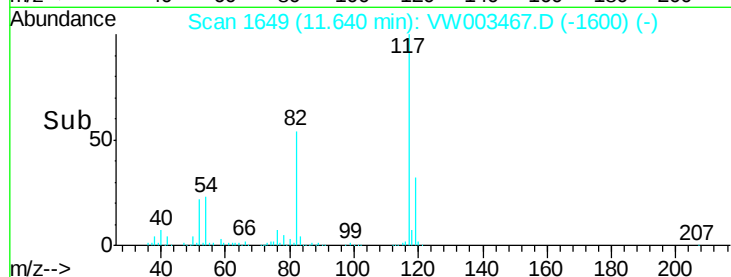
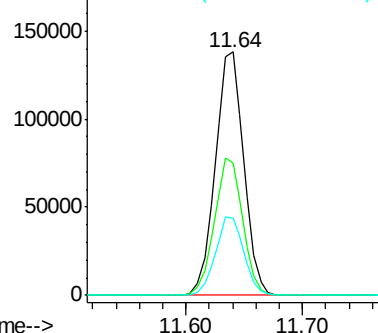
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

Instrument :
MSVOA_W
ClientSampleId :
WP021SB476-31-33-180619

Tgt Ion:117 Resp: 234554
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 31.5 26.7 40.1

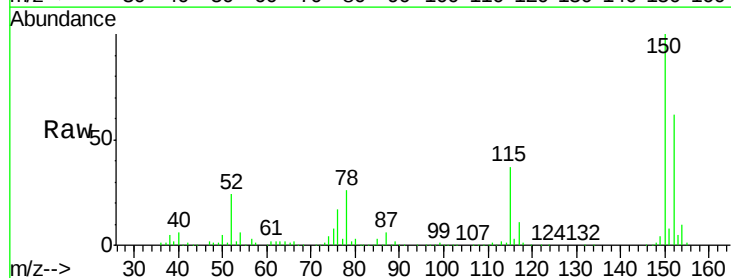


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

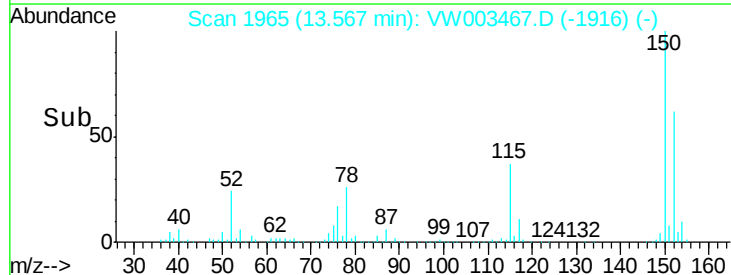
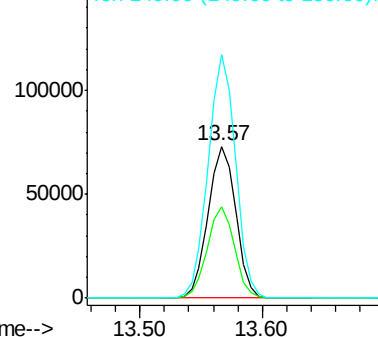


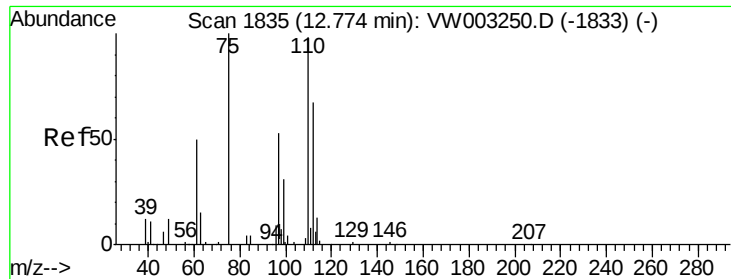
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003467.D
Acq: 23 Jun 2018 18:11

Tgt Ion:152 Resp: 114194
Ion Ratio Lower Upper
152 100
115 58.8 29.3 88.0
150 158.7 0.0 349.6



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





#76

1,2,3-Trichloropropane

Concen: 44.042 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

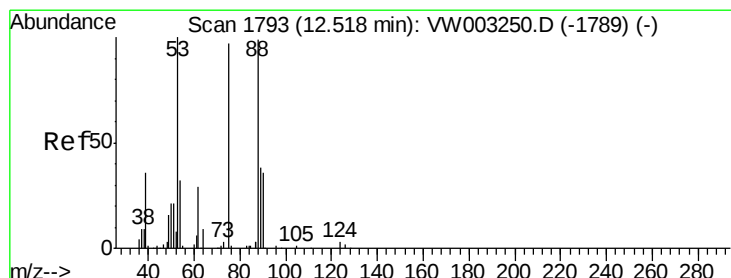
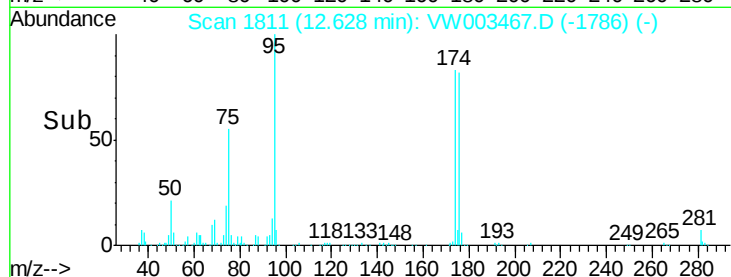
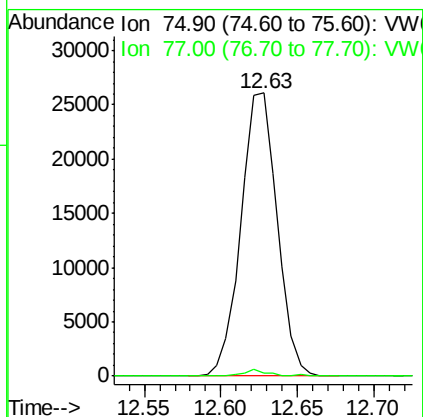
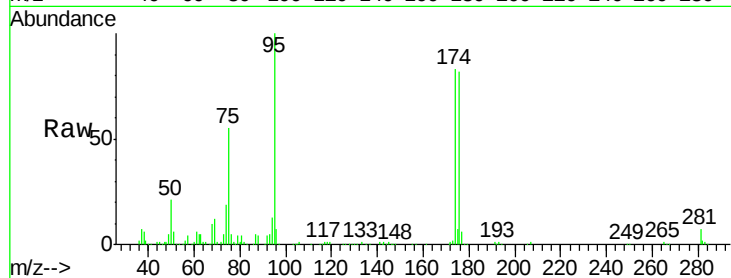
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Tgt Ion: 75 Resp: 42995

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.343 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

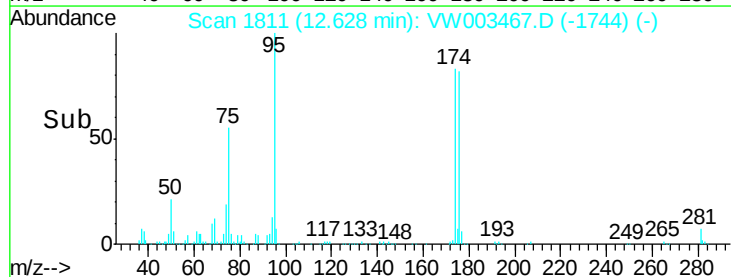
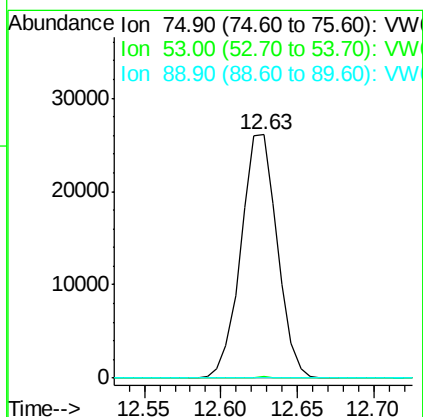
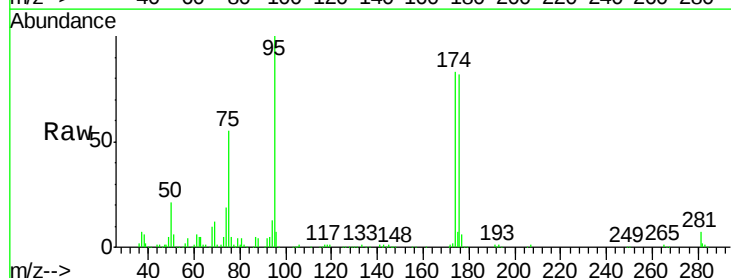
Tgt Ion: 75 Resp: 42995

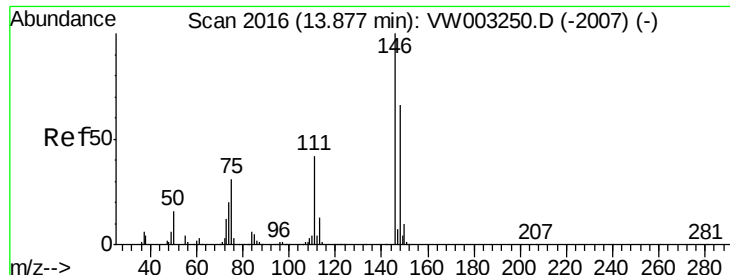
Ion Ratio Lower Upper

75 100

53 0.3 82.9 124.3#

89 0.0 36.7 55.1#





#91

1,2-Dichlorobenzene

Concen: 2.944 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003467.D

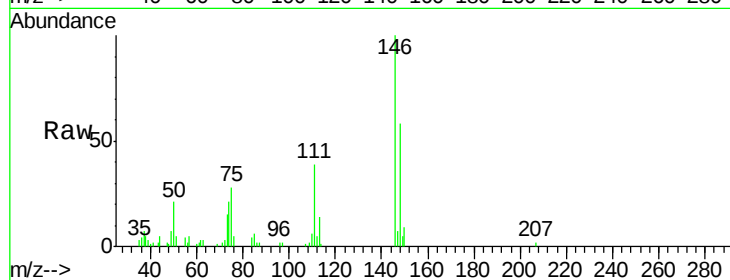
Acq: 23 Jun 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

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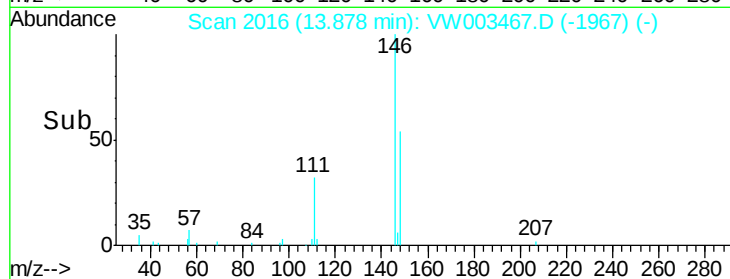
Tgt Ion:146 Resp: 9801

Ion Ratio Lower Upper

146 100

111 39.0 20.3 61.0

148 61.8 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

