

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003469.D
 Acq On : 23 Jun 2018 19:02
 Operator : SY/AP
 Sample : J3664-12
 Misc : 7.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0476-180619

Quant Time: Jun 25 02:38:33 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	180498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	285027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	257458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	123272	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	81227	41.55	ug/l	0.00
Spiked Amount			Recovery	=	83.10%	
35) Dibromofluoromethane	7.88	113	70535	39.83	ug/l	0.00
Spiked Amount			Recovery	=	79.66%	
50) Toluene-d8	10.33	98	233788	33.29	ug/l	0.00
Spiked Amount			Recovery	=	66.58%	
62) 4-Bromofluorobenzene	12.63	95	78487	31.58	ug/l	0.00
Spiked Amount			Recovery	=	63.16%	

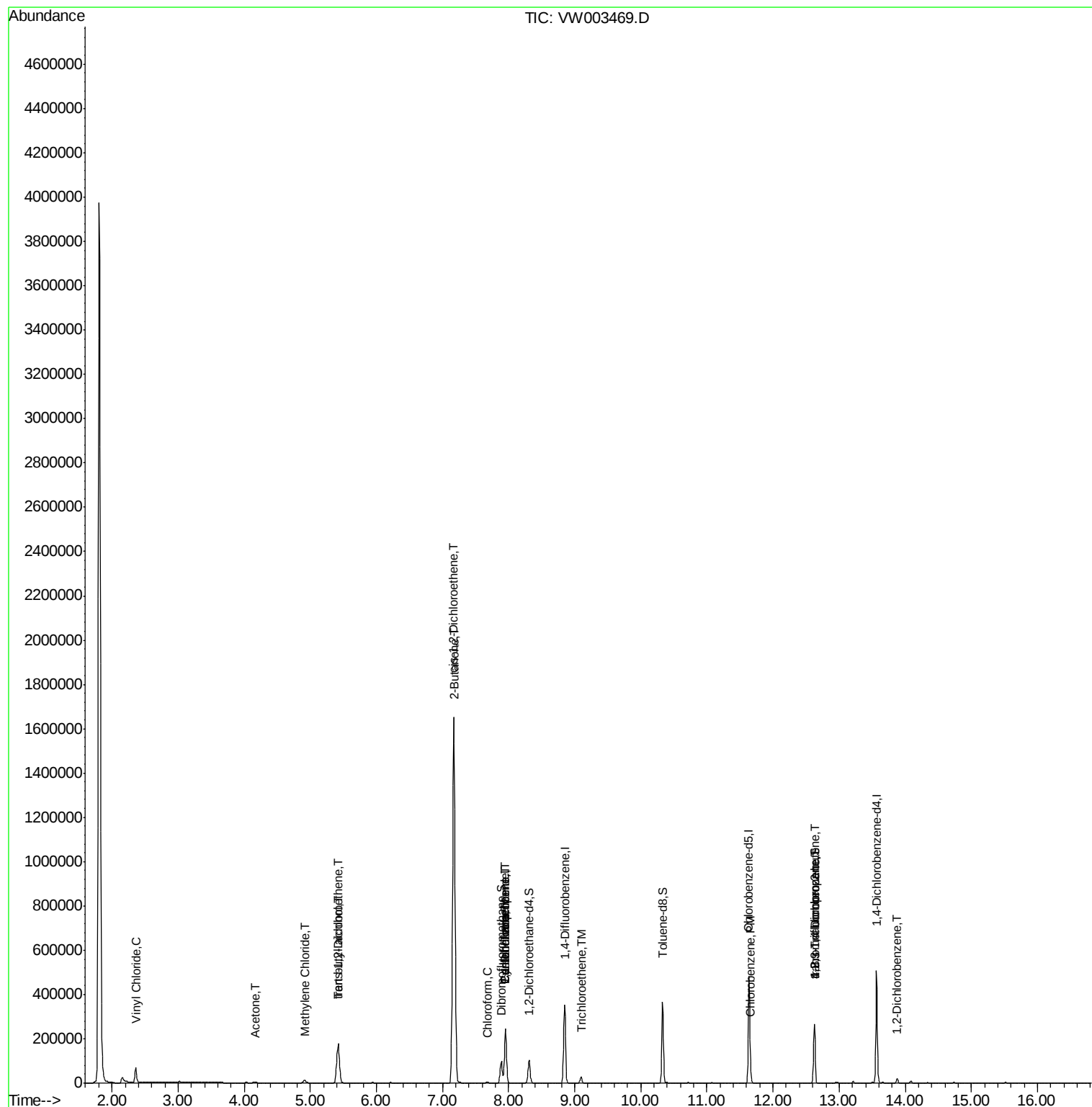
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	69125	34.392	ug/l	98
11) Tert butyl alcohol	5.42	59	5606	53.466	ug/l #	84
16) Acetone	4.16	43	8270	20.169	ug/l	91
20) Methylene Chloride	4.92	84	9008	1.620	ug/l #	92
21) trans-1,2-Dichloroethene	5.42	96	107979	60.722	ug/l	97
25) 2-Butanone	7.18	43	775	1.520	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	950725	486.683	ug/l	93
30) Chloroform	7.68	83	3848	1.117	ug/l #	81
31) Cyclohexane	7.95	56	5123	1.622	ug/l #	6
36) 1,1-Dichloropropene	7.96	75	14439	5.246	ug/l #	42
38) Carbon Tetrachloride	7.95	117	17870	6.618	ug/l #	16
44) Trichloroethene	9.10	130	9072	4.512	ug/l	95
65) Chlorobenzene	11.66	112	15164	2.828	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	42529	40.357	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	42529	92.862	ug/l #	8
91) 1,2-Dichlorobenzene	13.88	146	6817	1.897	ug/l	98

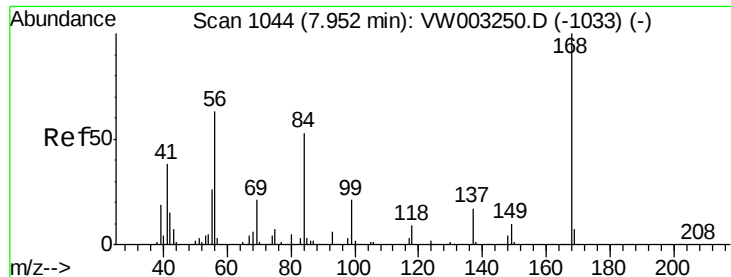
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

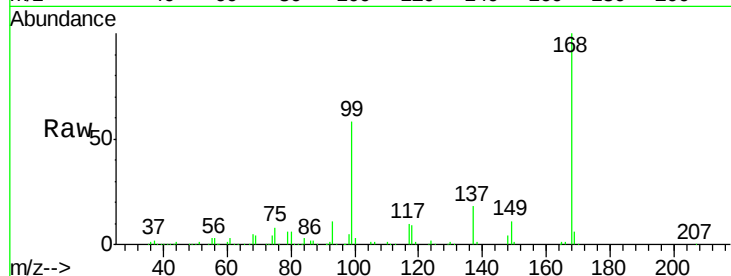
DUP-0476-180619

Tgt Ion:168 Resp: 180498

Ion Ratio Lower Upper

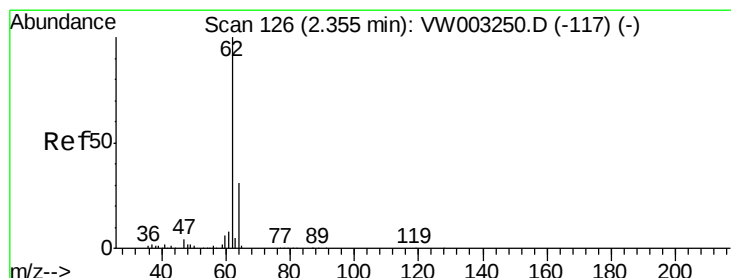
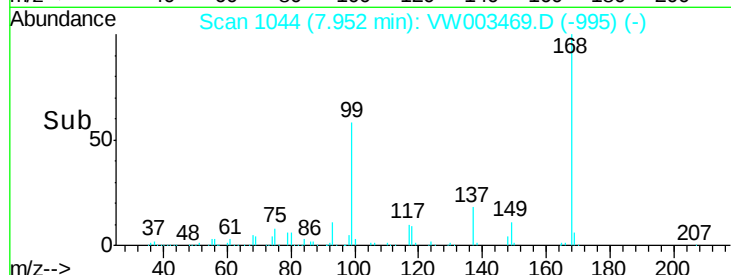
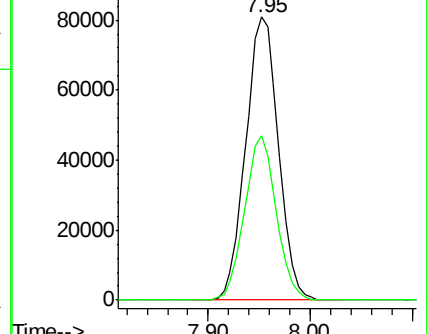
168 100

99 58.2 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: 34.392 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003469.D

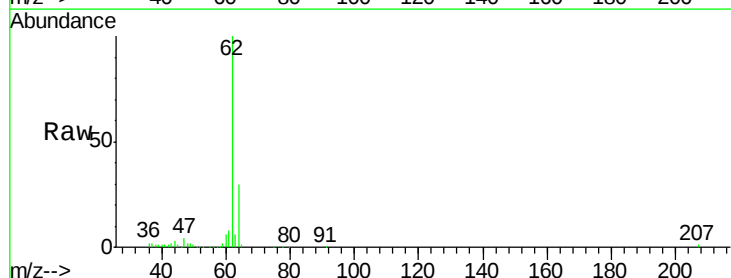
Acq: 23 Jun 2018 19:02

Tgt Ion: 62 Resp: 69125

Ion Ratio Lower Upper

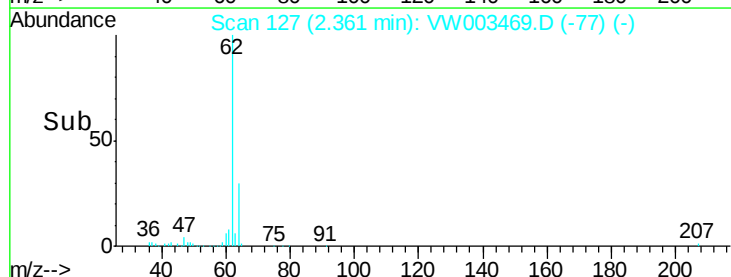
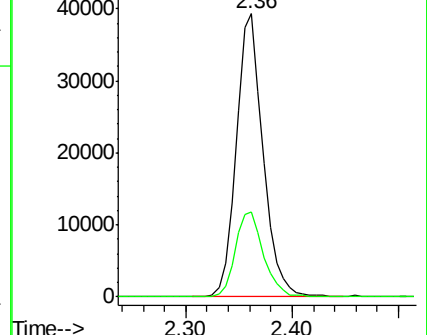
62 100

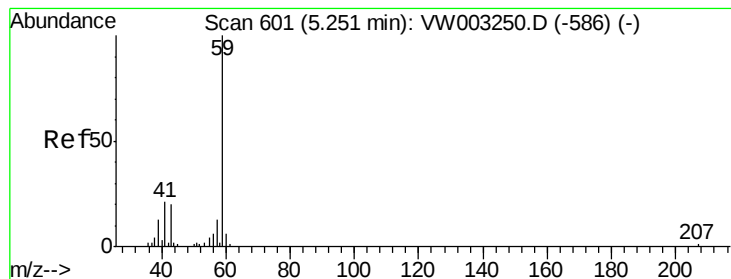
64 30.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



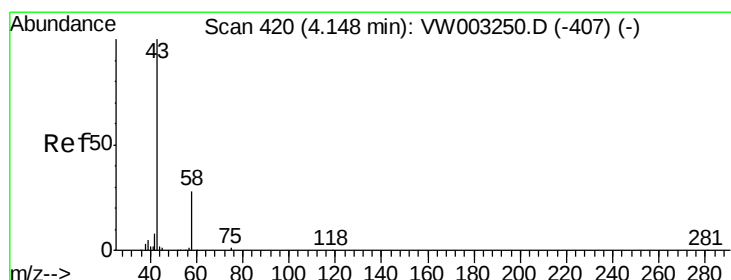
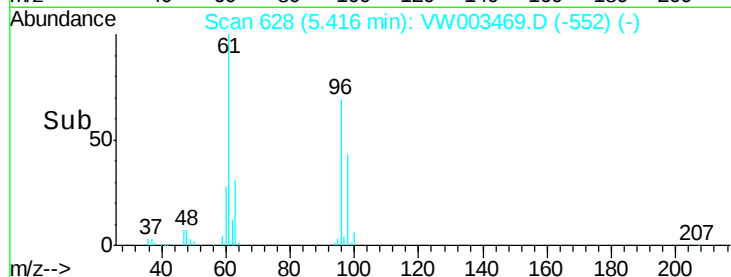
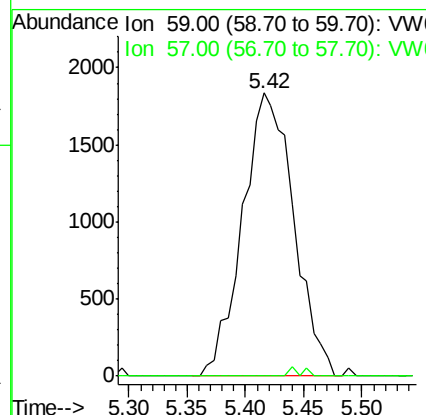
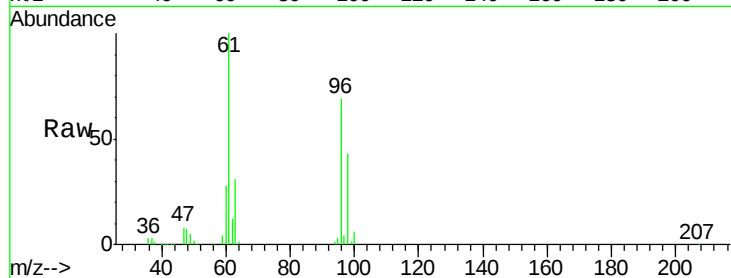


#11

Tert butyl alcohol
Concen: 53.466 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.16 min
Lab File: VW003469.D
Acq: 23 Jun 2018 19:02

Instrument :
MSVOA_W
ClientSampleId :
DUP-0476-180619

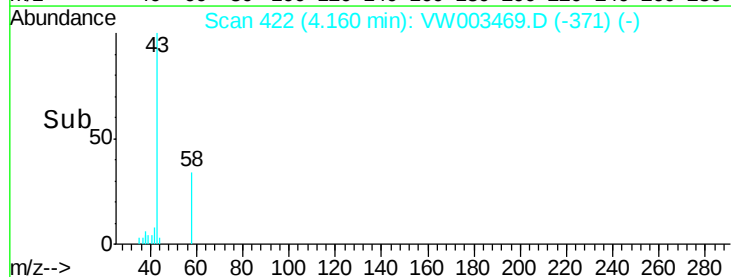
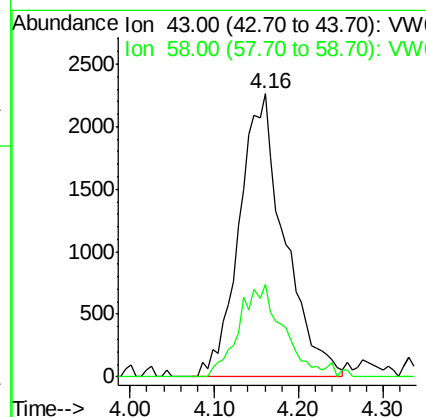
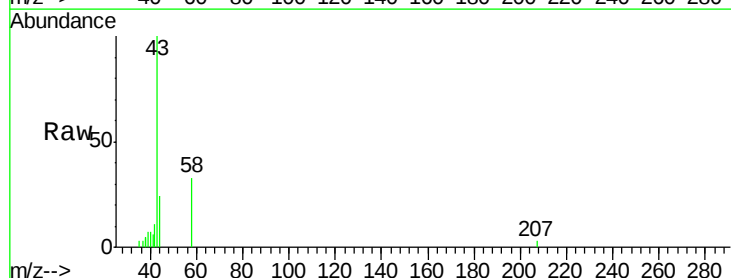
Tgt Ion: 59 Resp: 5606
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

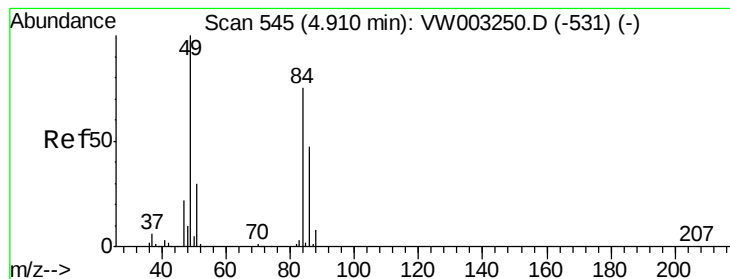


#16

Acetone
Concen: 20.169 ug/l
RT: 4.16 min Scan# 422
Delta R.T. 0.01 min
Lab File: VW003469.D
Acq: 23 Jun 2018 19:02

Tgt Ion: 43 Resp: 8270
Ion Ratio Lower Upper
43 100
58 32.8 22.6 34.0





#20

Methylene Chloride

Concen: 1.620 ug/l

RT: 4.92 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

DUP-0476-180619

Tgt Ion: 84 Resp: 9008

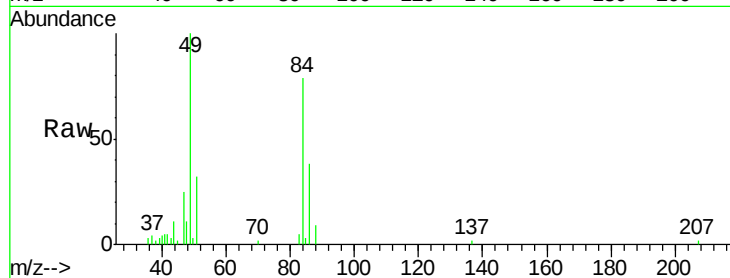
Ion Ratio Lower Upper

84 100

49 126.0 106.3 159.5

51 40.1 32.0 48.0

86 48.0 49.9 74.9#

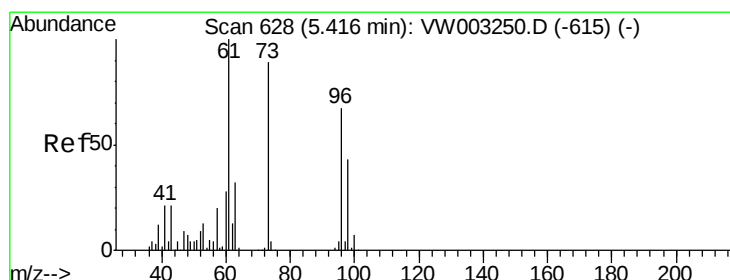
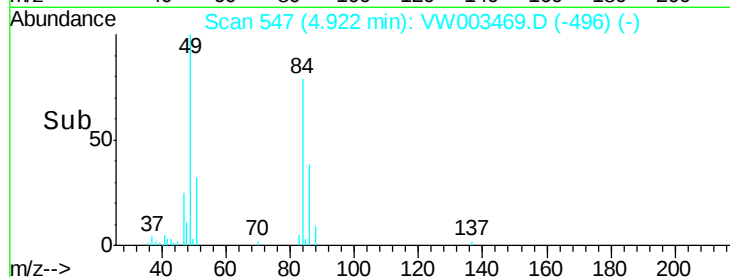
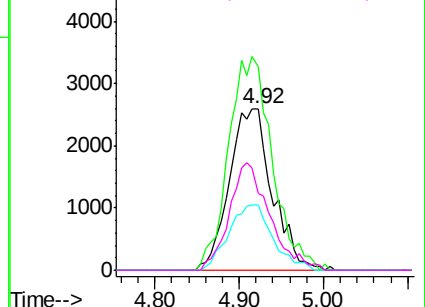


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#21

trans-1,2-Dichloroethene

Concen: 60.722 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

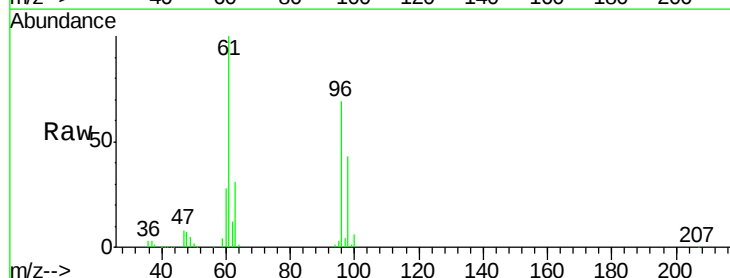
Tgt Ion: 96 Resp: 107979

Ion Ratio Lower Upper

96 100

61 144.1 118.7 178.1

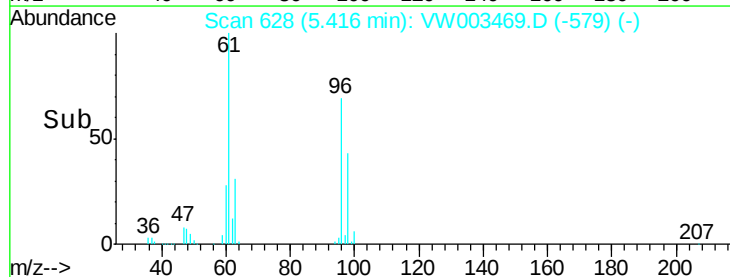
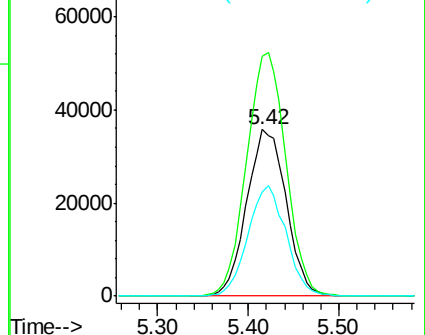
98 62.7 51.0 76.6

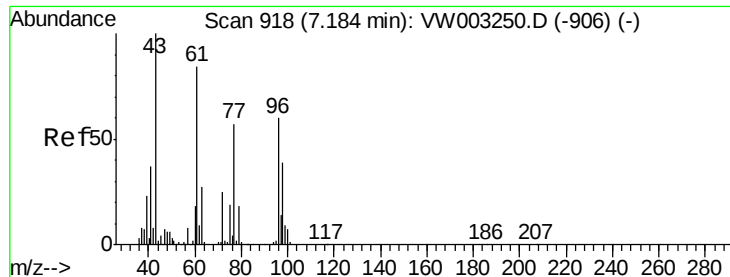


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#25

2-Butanone

Concen: 1.520 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

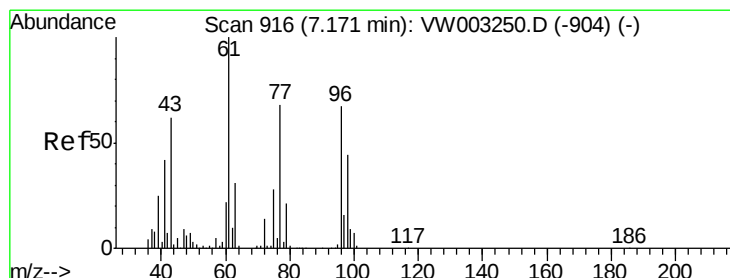
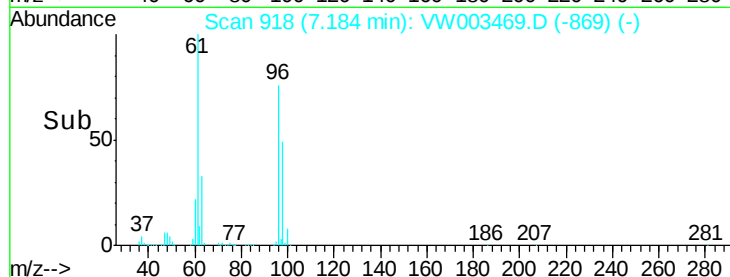
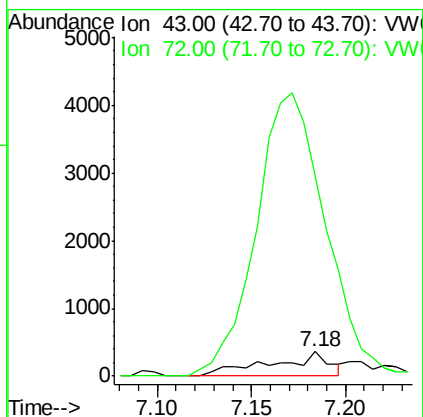
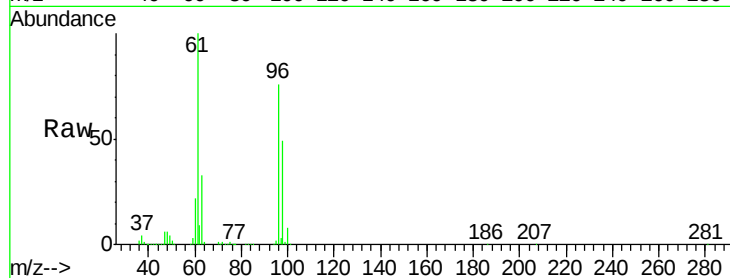
DUP-0476-180619

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 805.2 20.3 30.5#



#27

cis-1,2-Dichloroethene

Concen: 486.683 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

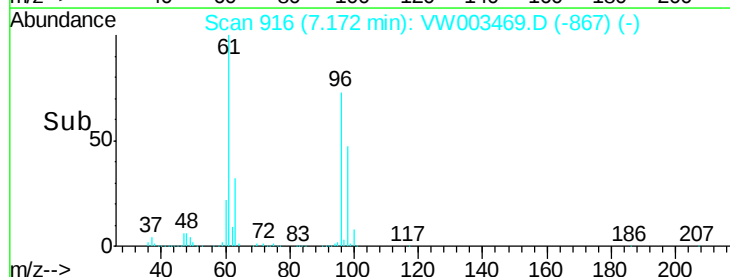
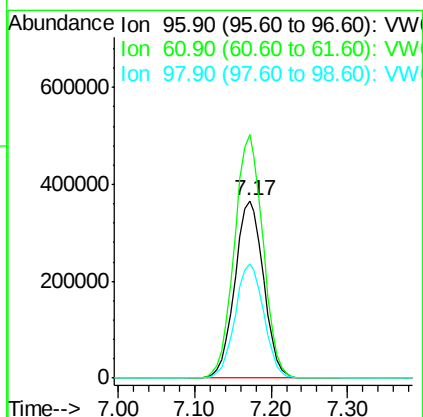
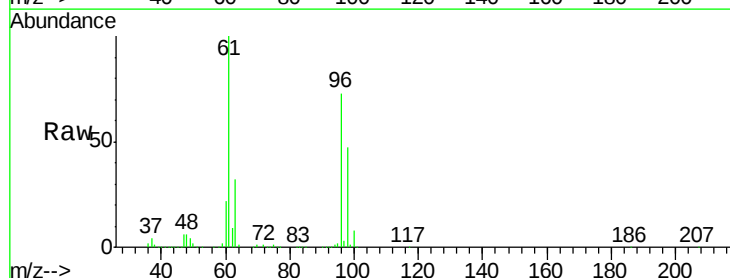
Tgt Ion: 96 Resp: 950725

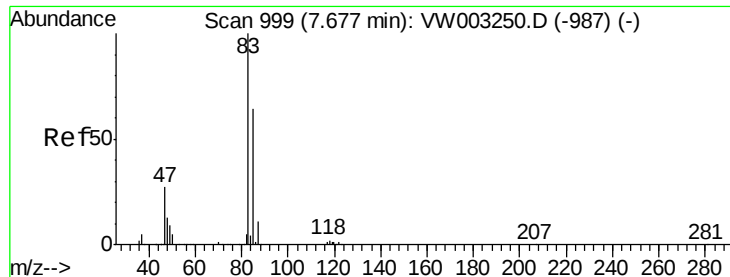
Ion Ratio Lower Upper

96 100

61 136.4 0.0 298.8

98 64.4 0.0 130.4





#30

Chloroform

Concen: 1.117 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

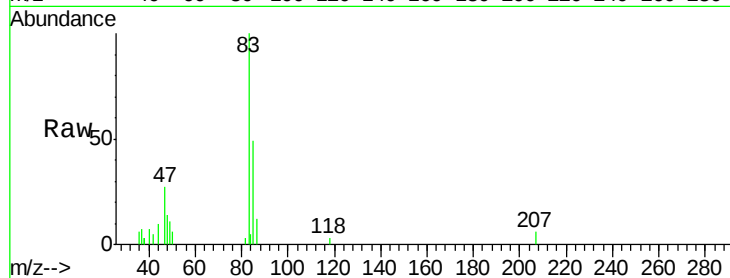
DUP-0476-180619

Tgt Ion: 83 Resp: 3848

Ion Ratio Lower Upper

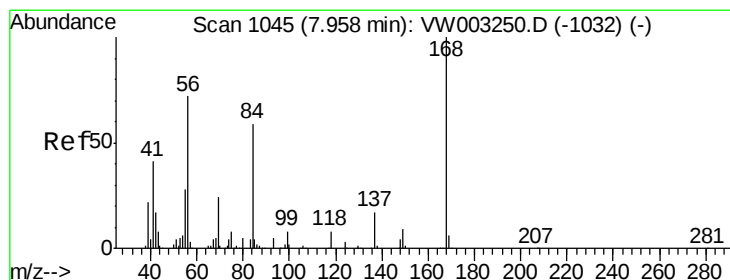
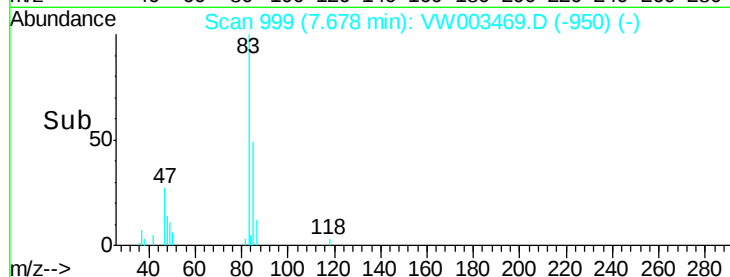
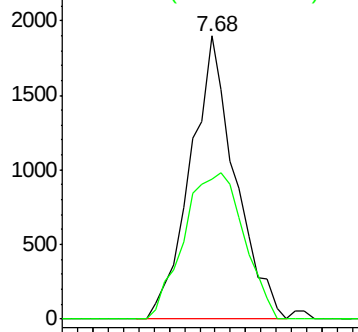
83 100

85 49.2 51.3 76.9#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW



#31

Cyclohexane

Concen: 1.622 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

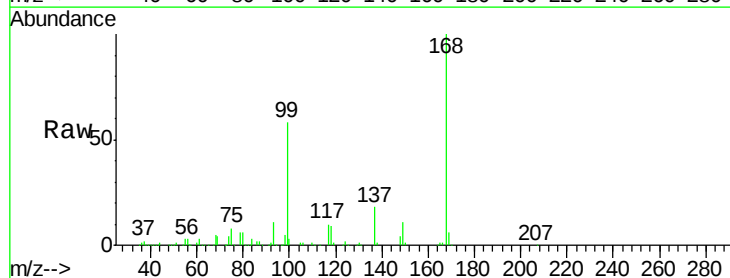
Tgt Ion: 56 Resp: 5123

Ion Ratio Lower Upper

56 100

69 151.4 26.3 39.5#

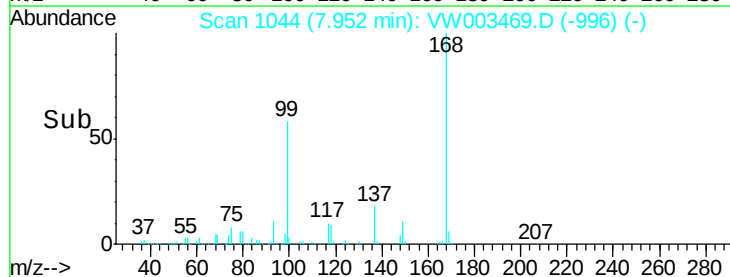
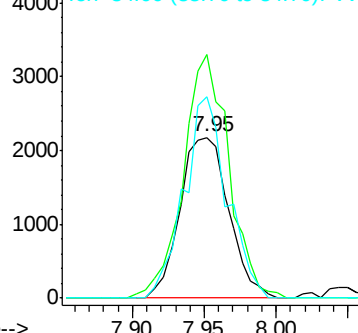
84 124.9 65.7 98.5#

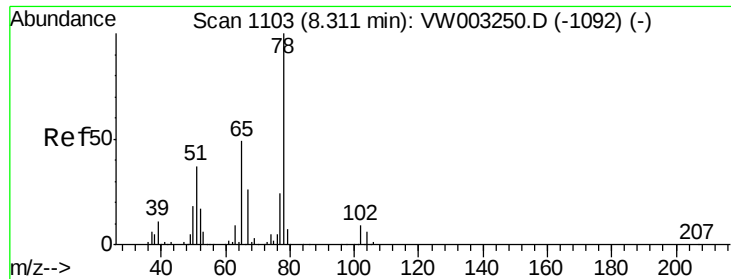


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

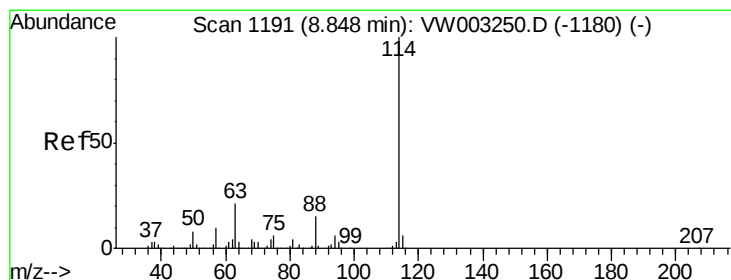
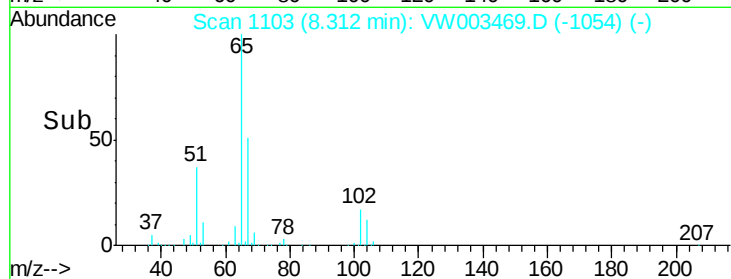
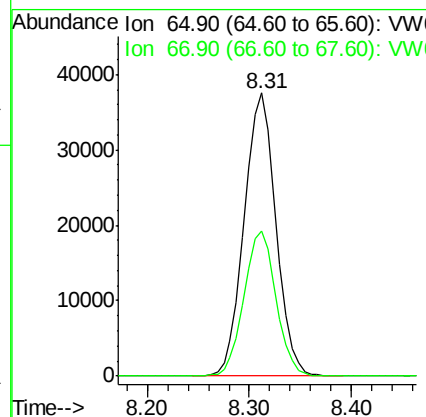
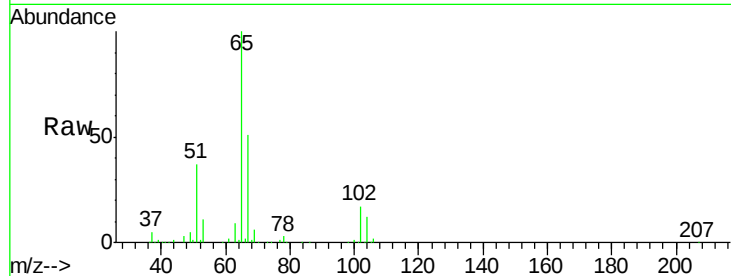




#33
 1,2-Dichloroethane-d4
 Concen: 41.547 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003469.D
 Acq: 23 Jun 2018 19:02

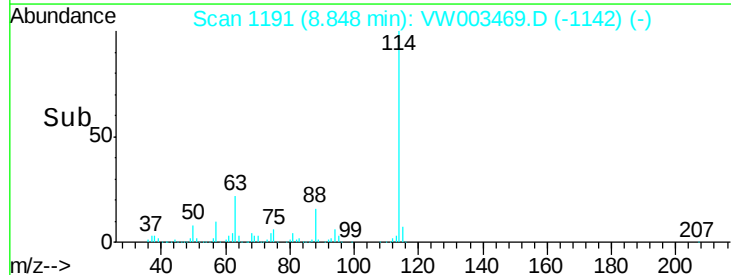
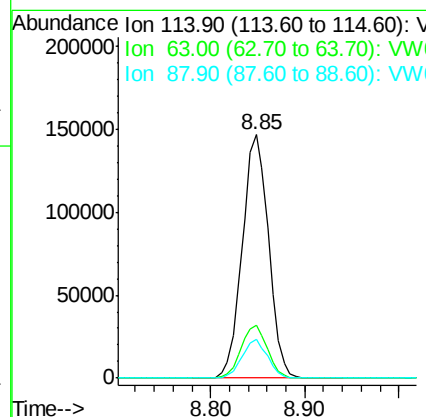
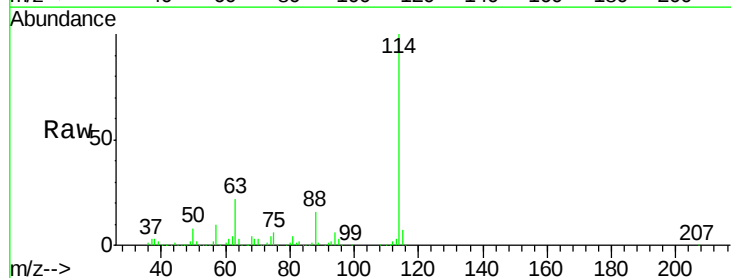
Instrument :
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 DUP-0476-180619

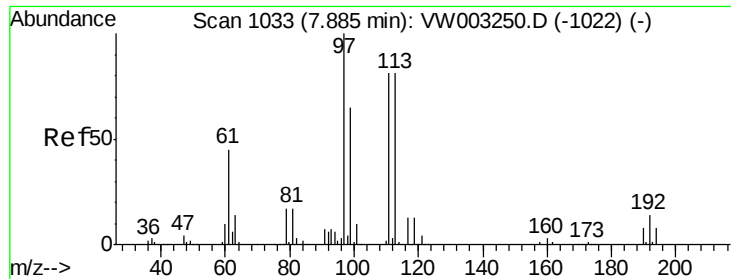
Tgt Ion: 65 Resp: 81227
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003469.D
 Acq: 23 Jun 2018 19:02

Tgt Ion: 114 Resp: 285027
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 15.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 39.826 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

DUP-0476-180619

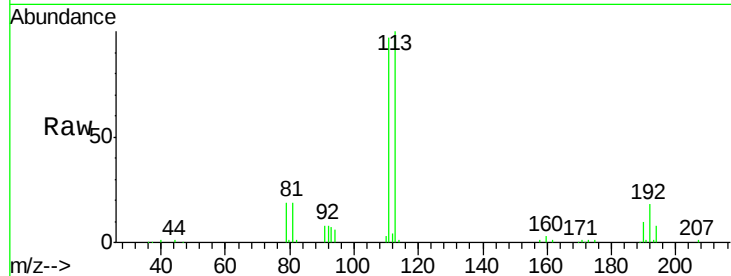
Tgt Ion:113 Resp: 70535

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

192 20.1 16.2 24.2

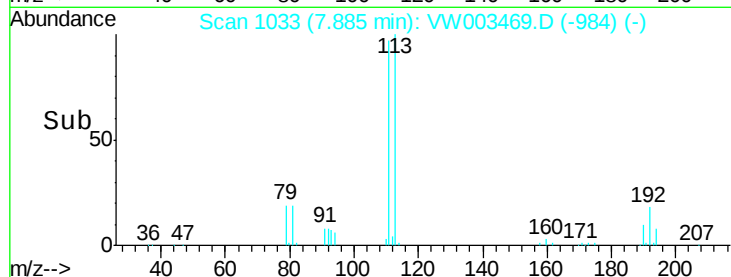


Abundance Ion 112.80 (112.50 to 113.50): V

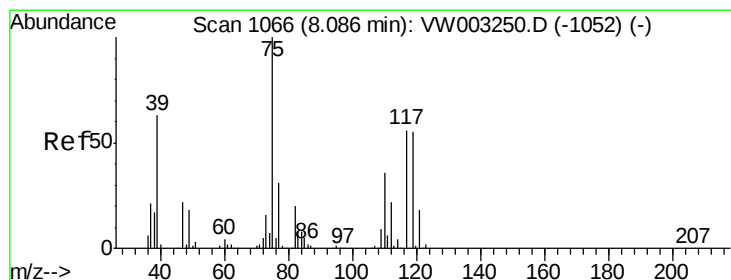
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 5.246 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

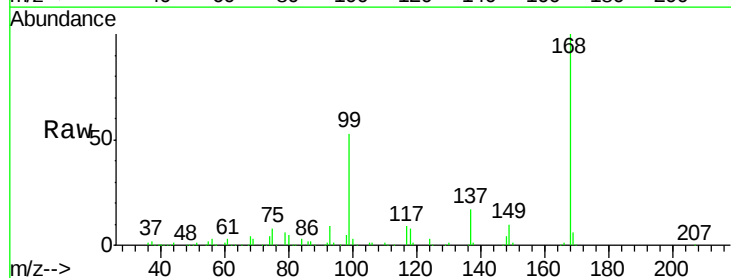
Tgt Ion: 75 Resp: 14439

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.3#

77 0.3 24.9 37.3#

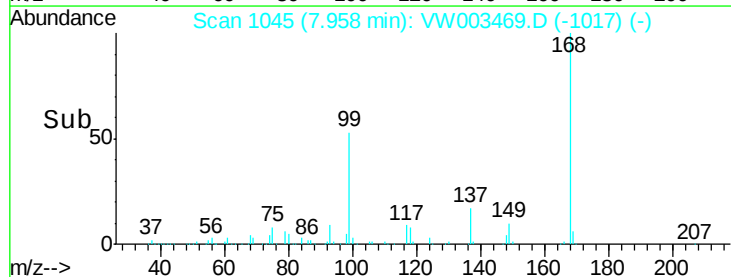


Abundance Ion 74.90 (74.60 to 75.60): VW

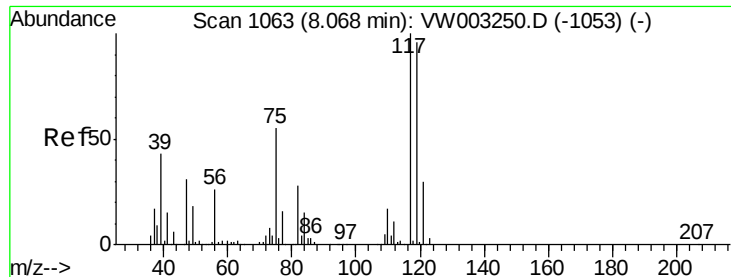
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.618 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

DUP-0476-180619

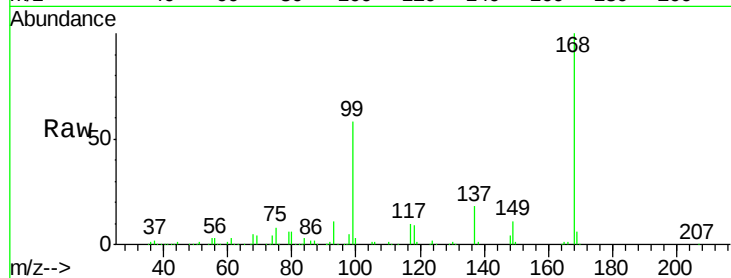
Tgt Ion:117 Resp: 17870

Ion Ratio Lower Upper

117 100

119 5.7 76.6 115.0#

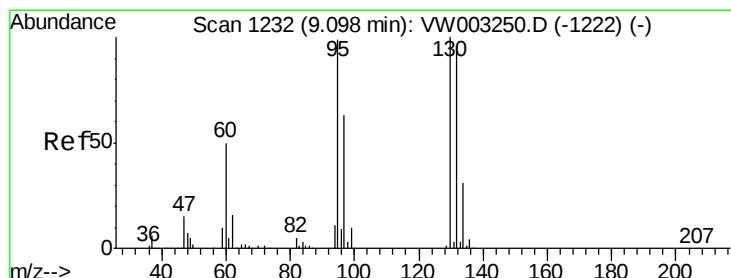
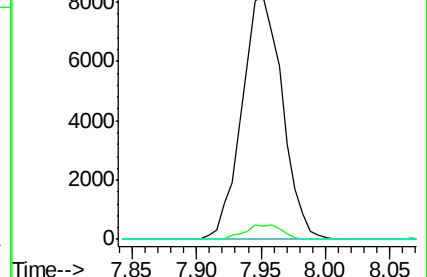
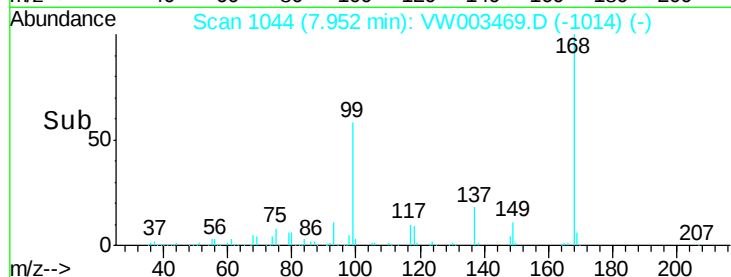
121 0.0 23.9 35.9#



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: 4.512 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003469.D

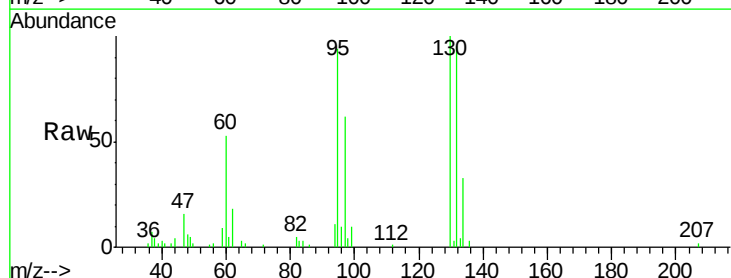
Acq: 23 Jun 2018 19:02

Tgt Ion:130 Resp: 9072

Ion Ratio Lower Upper

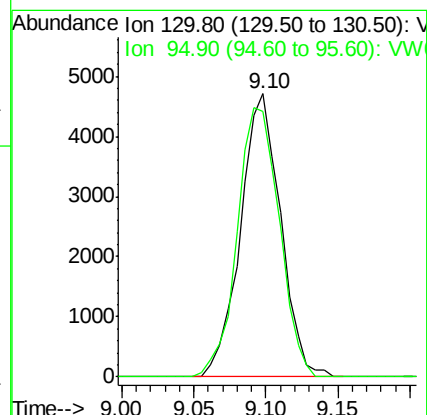
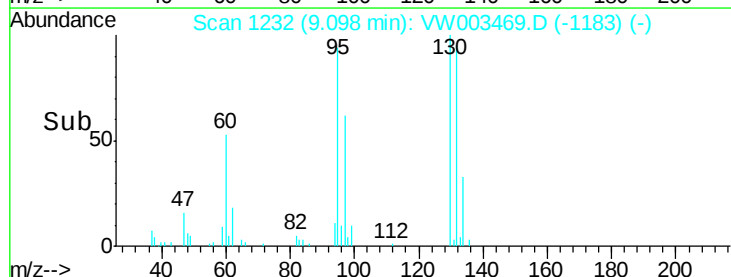
130 100

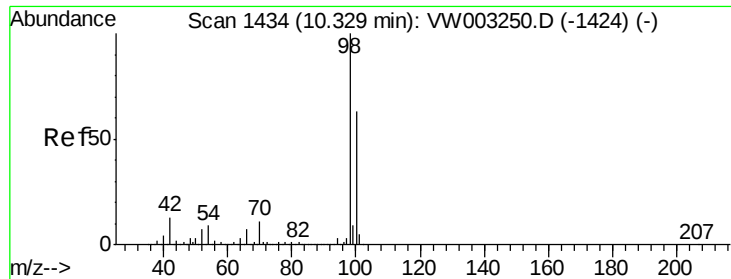
95 93.7 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 33.290 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

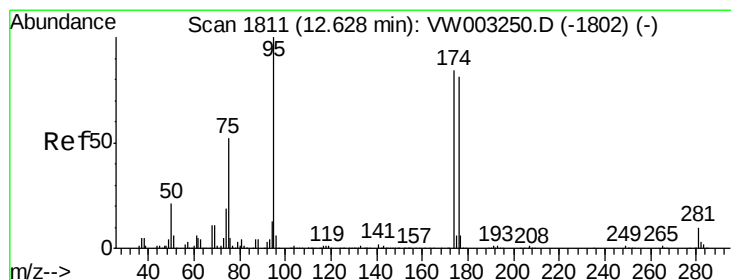
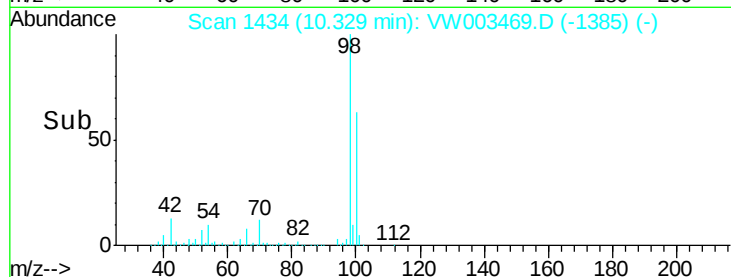
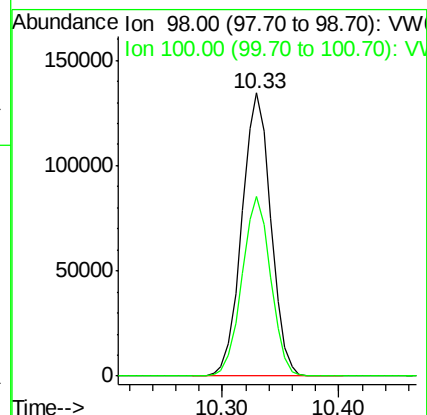
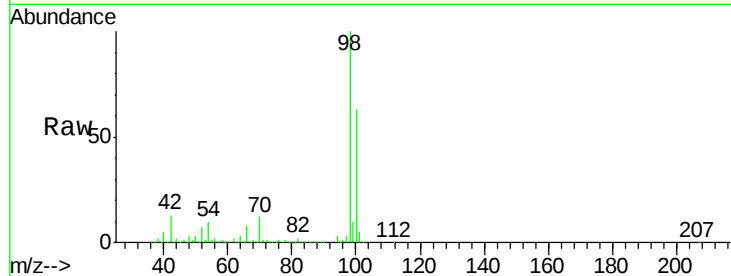
DUP-0476-180619

Tgt Ion: 98 Resp: 233788

Ion Ratio Lower Upper

98 100

100 62.6 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 31.581 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

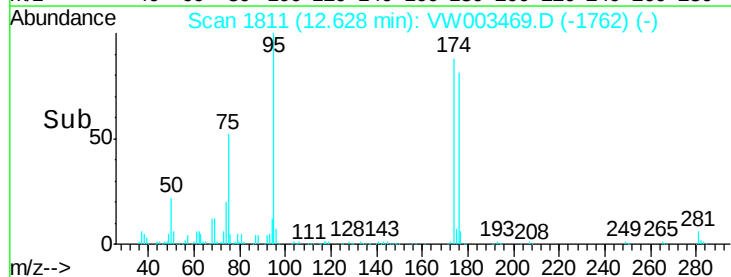
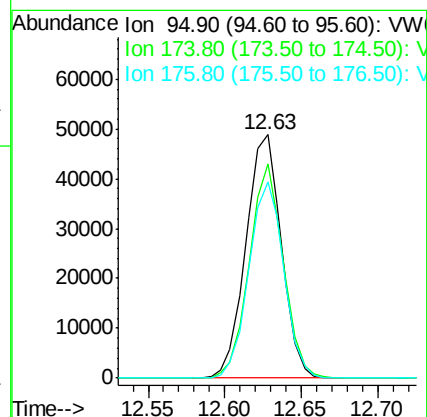
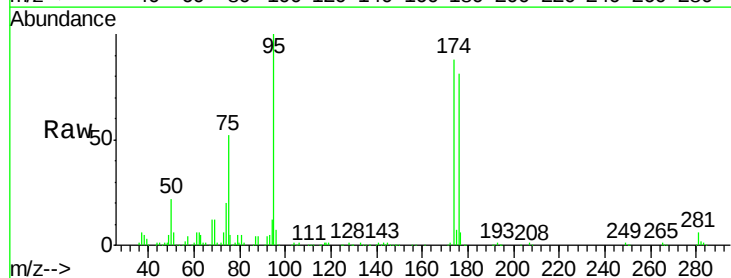
Tgt Ion: 95 Resp: 78487

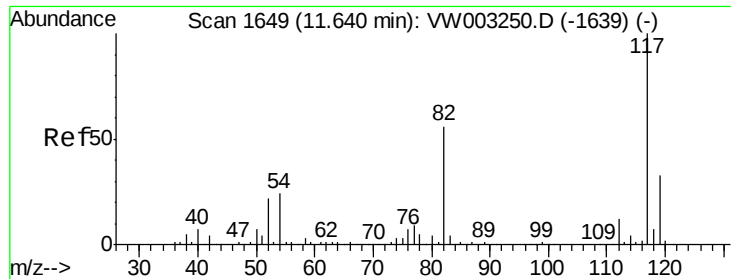
Ion Ratio Lower Upper

95 100

174 84.1 0.0 166.4

176 79.5 0.0 162.0

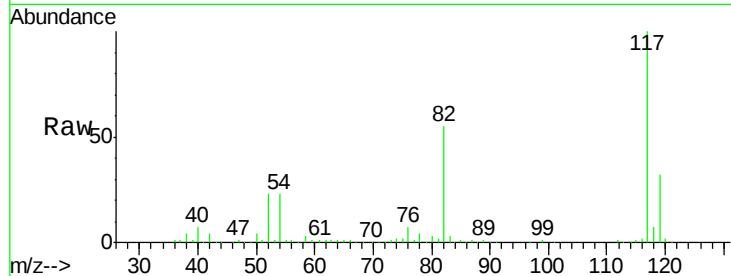




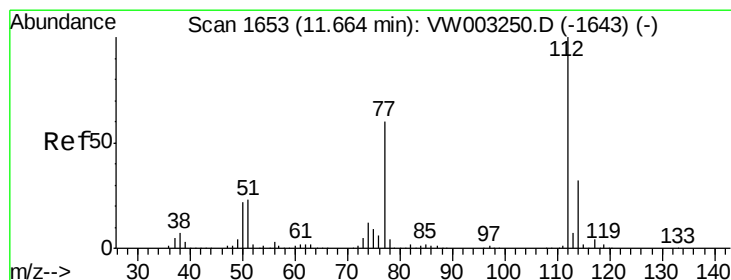
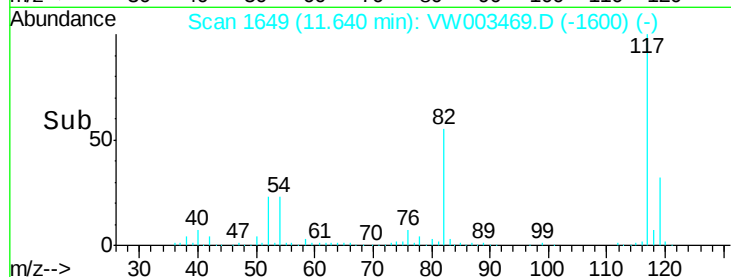
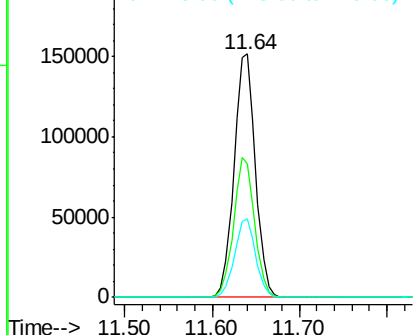
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003469.D
Acq: 23 Jun 2018 19:02

Instrument :
MSVOA_W
ClientSampleId :
DUP-0476-180619

Tgt Ion:117 Resp: 257458
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 32.1 26.7 40.1

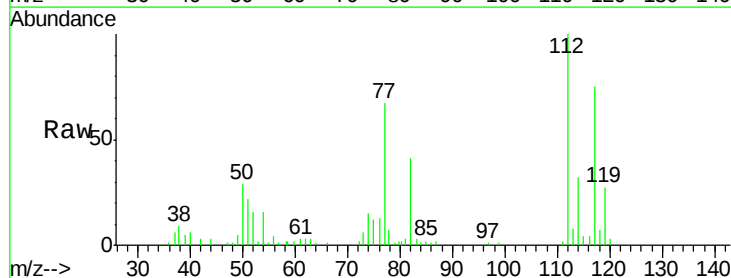


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

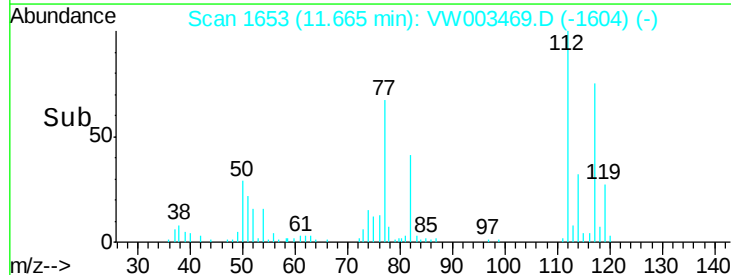
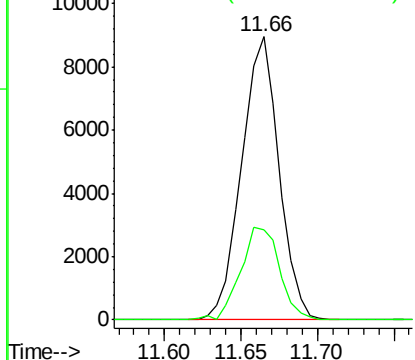


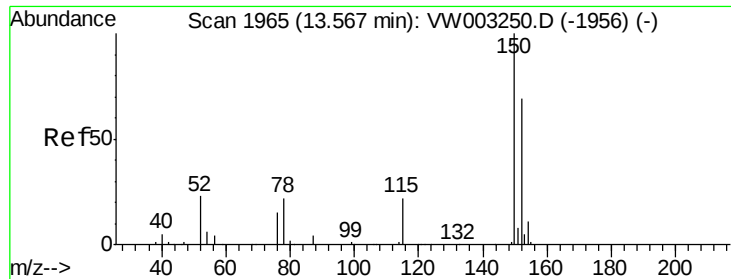
#65
Chlorobenzene
Concen: 2.828 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003469.D
Acq: 23 Jun 2018 19:02

Tgt Ion:112 Resp: 15164
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

DUP-0476-180619

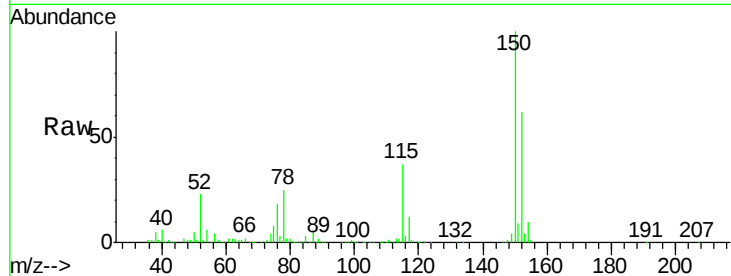
Tgt Ion:152 Resp: 123272

Ion Ratio Lower Upper

152 100

115 59.1 29.3 88.0

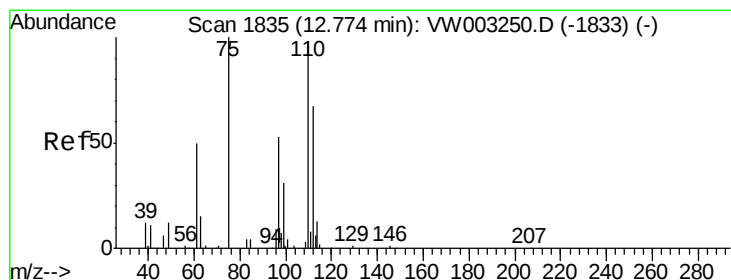
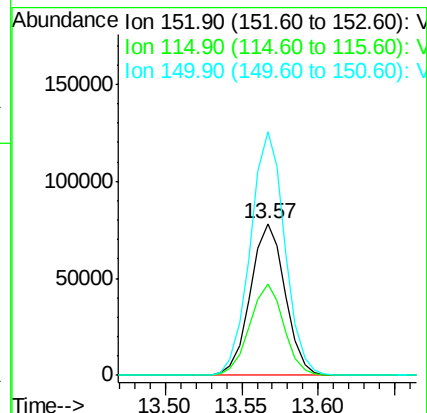
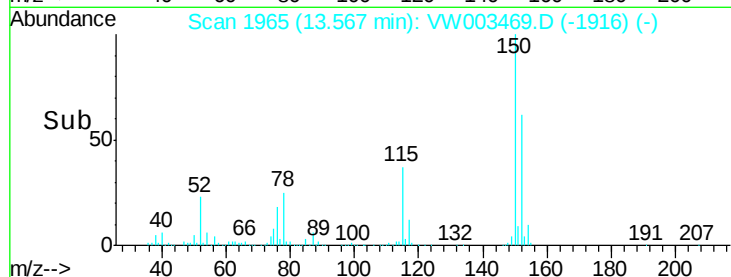
150 159.3 0.0 349.6



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: 40.357 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003469.D

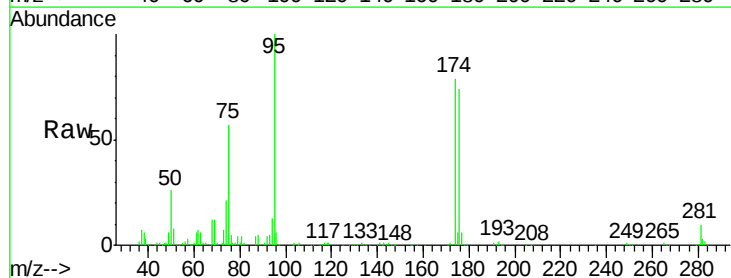
Acq: 23 Jun 2018 19:02

Tgt Ion: 75 Resp: 42529

Ion Ratio Lower Upper

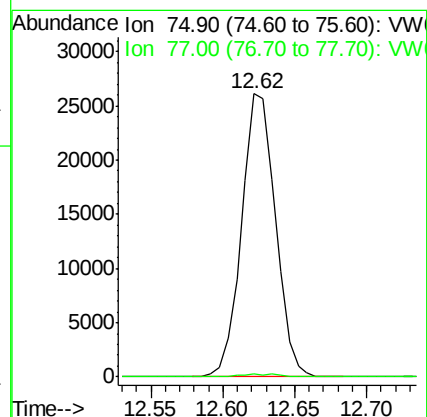
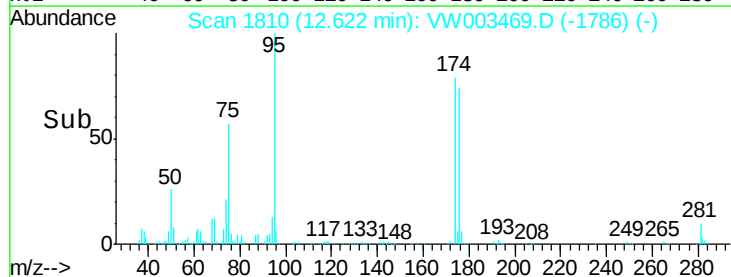
75 100

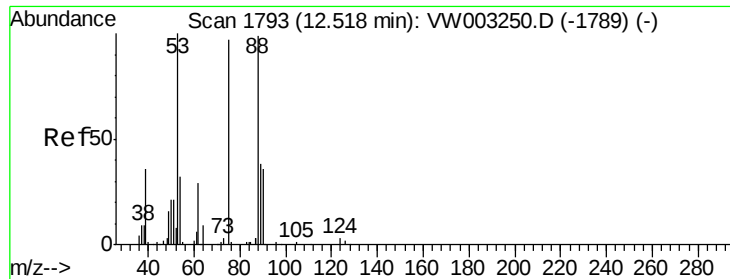
77 1.3 0.0 0.0#



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: 92.862 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

DUP-0476-180619

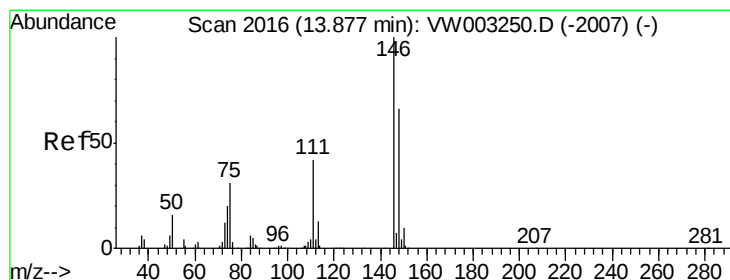
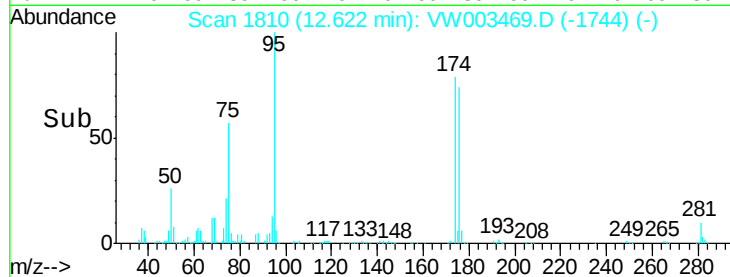
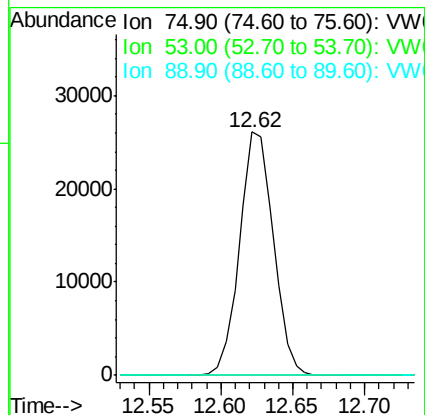
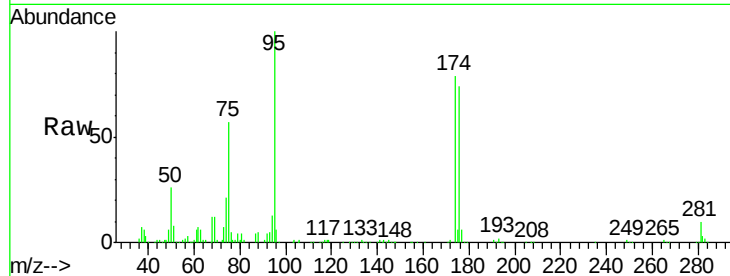
Tgt Ion: 75 Resp: 42529

Ion Ratio Lower Upper

75 100

53 0.0 82.9 124.3#

89 0.1 36.7 55.1#



#91

1,2-Dichlorobenzene

Concen: 1.897 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003469.D

Acq: 23 Jun 2018 19:02

Tgt Ion: 146 Resp: 6817

Ion Ratio Lower Upper

146 100

111 42.4 20.3 61.0

148 64.0 32.3 96.9

