

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102918\
 Data File : VW006445.D
 Acq On : 27 Oct 2018 10:52
 Operator : SY/AP
 Sample : J5624-06RE
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-03B

Quant Time: Oct 29 04:06:20 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	226873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	332435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	109820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	104631	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
35) Dibromofluoromethane	7.88	113	102972	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.33	98	358997	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.62	95	108331	38.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.18%	

Target Compounds

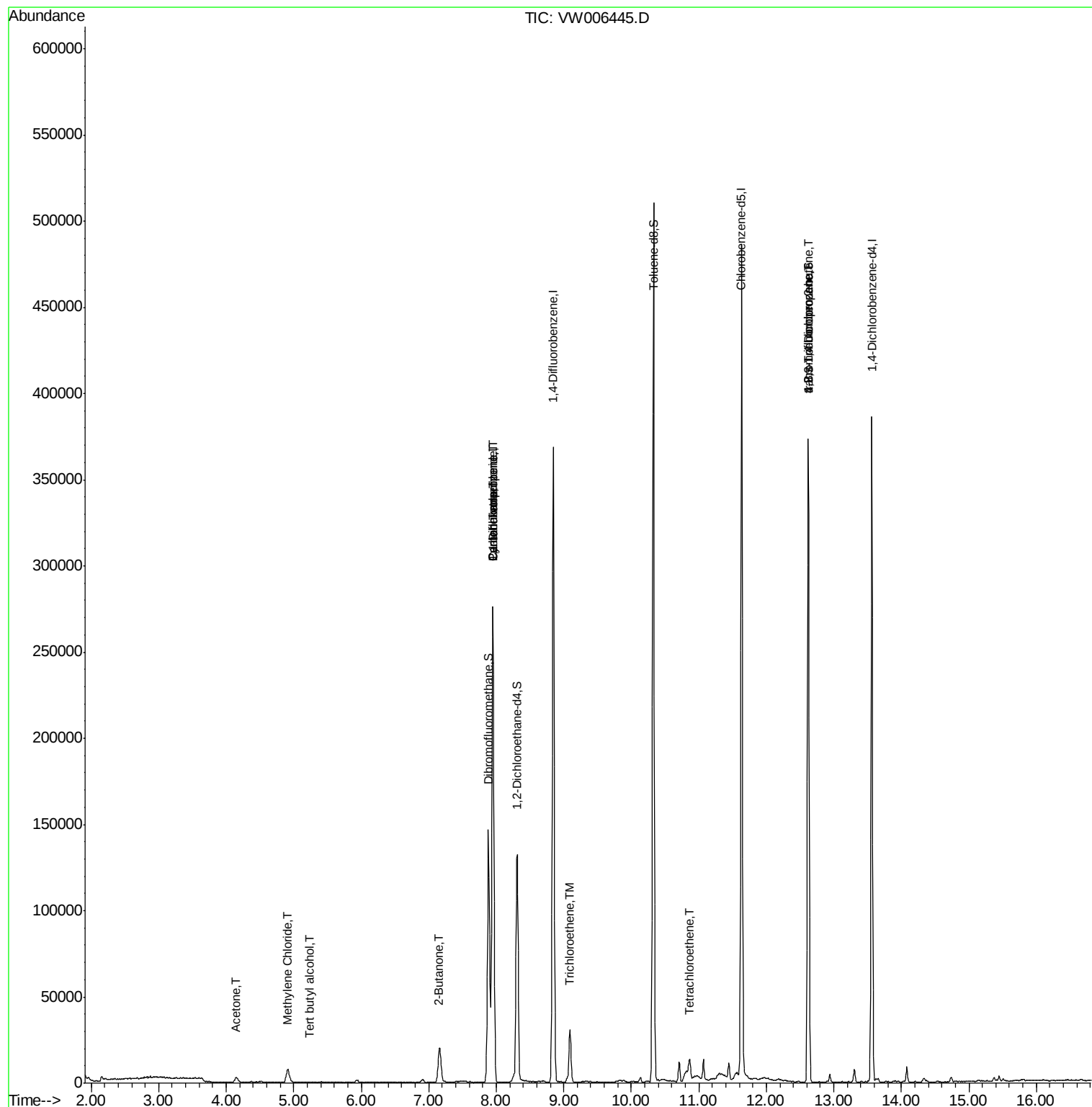
						Qvalue
11) Tert butyl alcohol	5.24	59	200	1.581	ug/l #	71
16) Acetone	4.15	43	6286	3.199	ug/l #	87
20) Methylene Chloride	4.90	84	7178	2.046	ug/l #	83
25) 2-Butanone	7.15	43	568	1.118	ug/l #	46
31) Cyclohexane	7.95	56	3804	1.105	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	14363	4.687	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19558	5.823	ug/l #	17
44) Trichloroethene	9.09	130	10679	4.141	ug/l	98
64) Tetrachloroethene	10.87	164	2217	1.035	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	54637	65.136	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54637	155.702	ug/l #	10

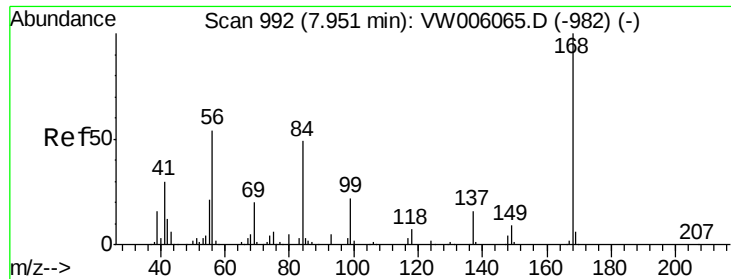
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102918\
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Quant Time: Oct 29 04:06:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

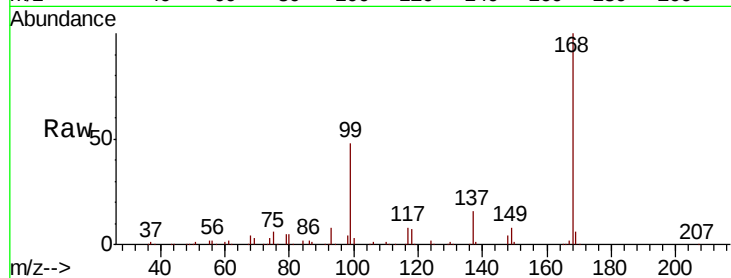
PA-SB-03B

Tot Ion:168 Resp: 226873

Ion Ratio Lower Upper

168 100

99 47.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

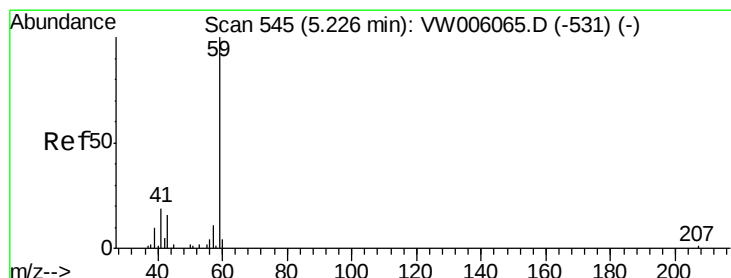
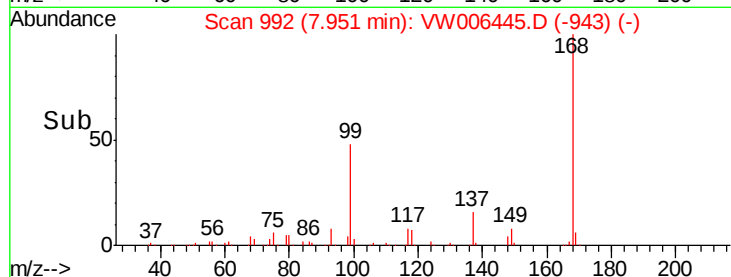
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.581 ug/l

RT: 5.24 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW006445.D

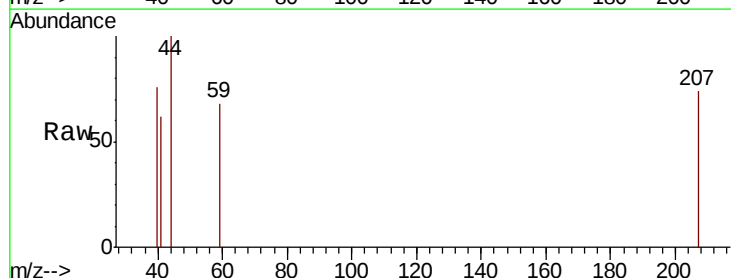
Acq: 27 Oct 2018 10:52

Tgt Ion: 59 Resp: 200

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

5.24

100

80

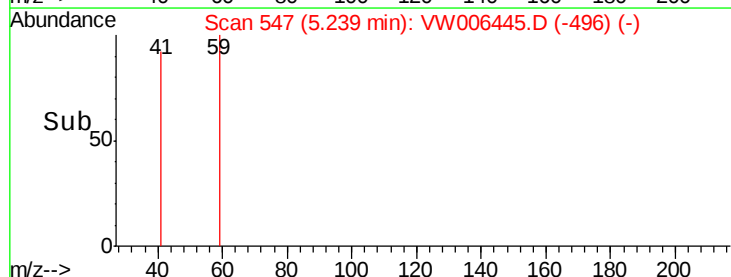
60

40

20

0

Time-->





#16

Acetone

Concen: 3.199 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

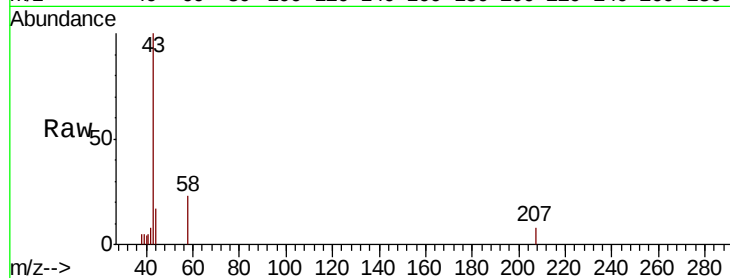
PA-SB-03B

Tot Ion: 43 Resp: 6286

Ion Ratio Lower Upper

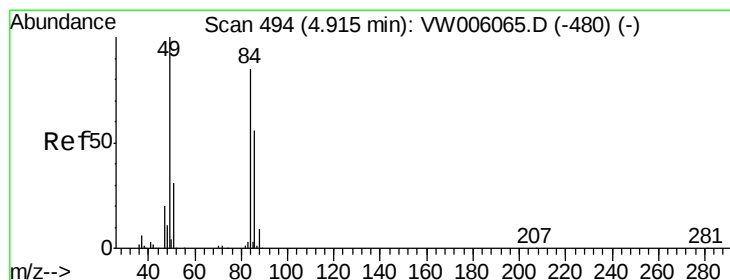
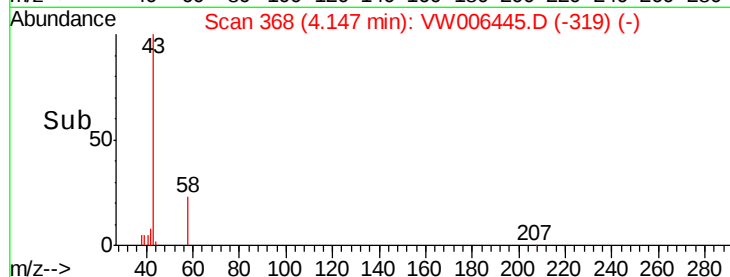
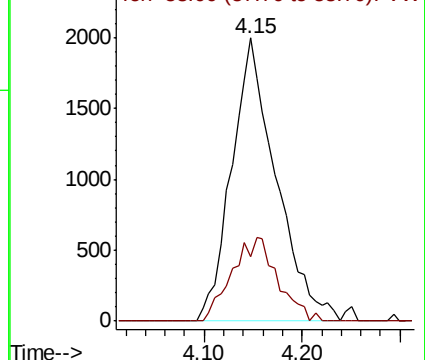
43 100

58 22.9 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.046 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Tgt Ion: 84 Resp: 7178

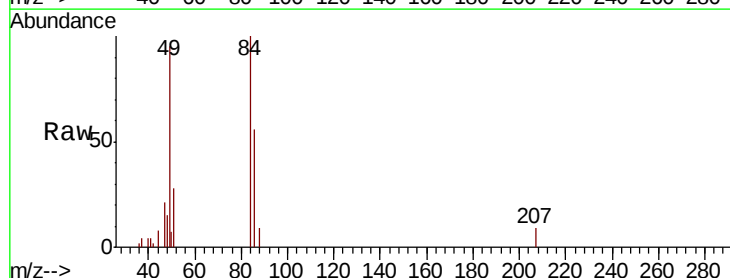
Ion Ratio Lower Upper

84 100

49 95.1 93.6 140.4

51 28.2 29.0 43.4#

86 56.0 52.6 79.0

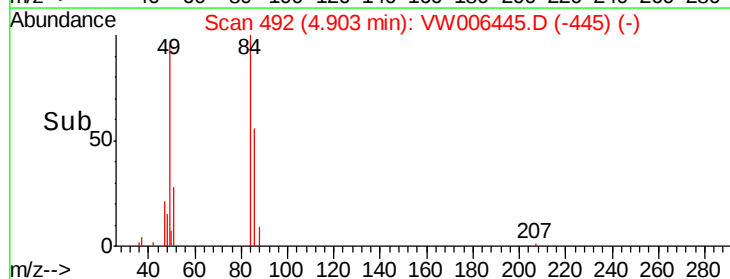
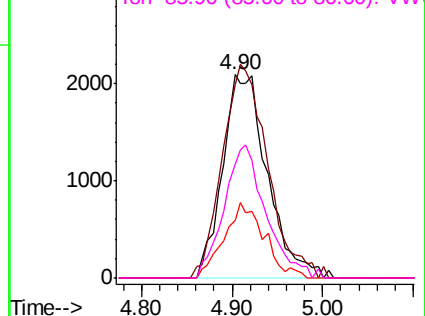


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 1.118 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

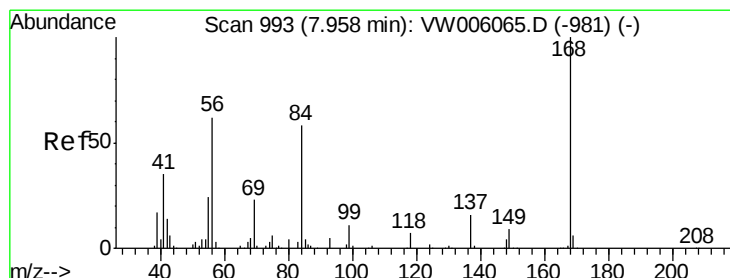
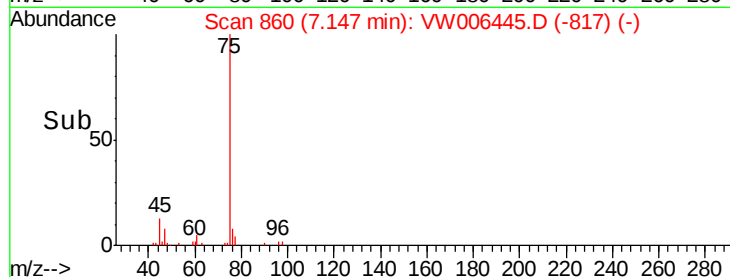
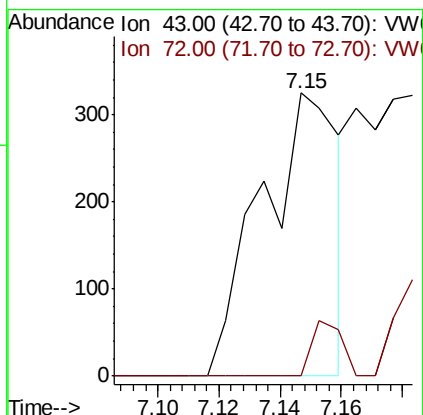
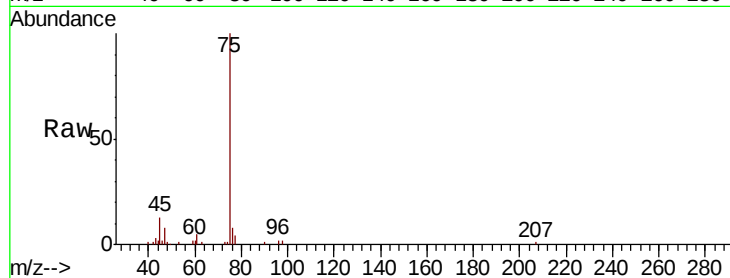
PA-SB-03B

Tot Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

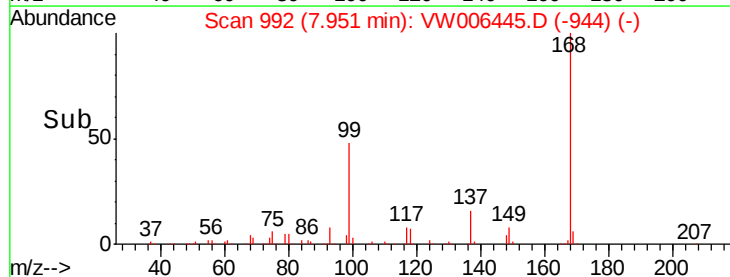
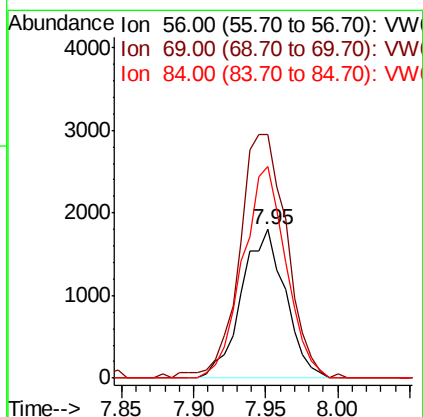
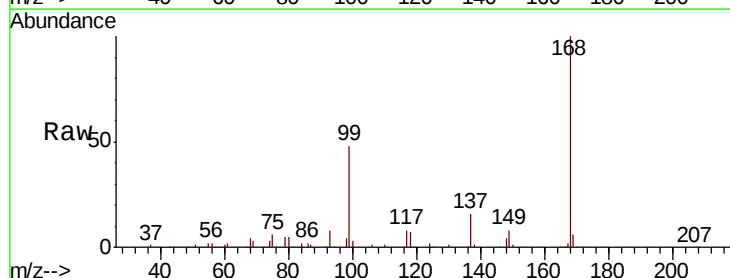
Tgt Ion: 56 Resp: 3804

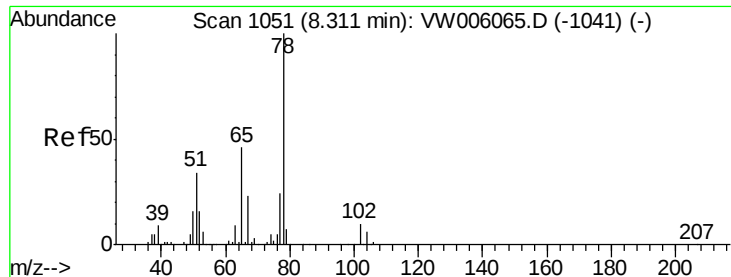
Ion Ratio Lower Upper

56 100

69 160.7 29.4 44.0#

84 142.2 74.0 111.0#





#33

1,2-Dichloroethane-d4

Concen: 55.628 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

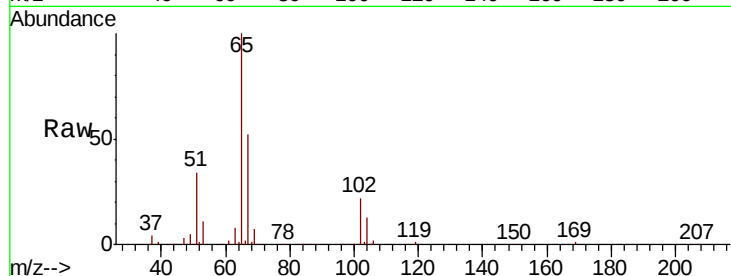
PA-SB-03B

Tot Ion: 65 Resp: 104631

Ion Ratio Lower Upper

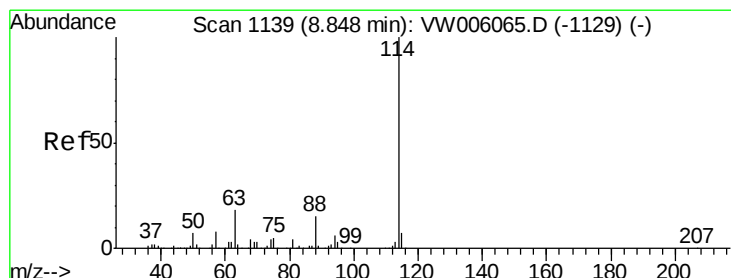
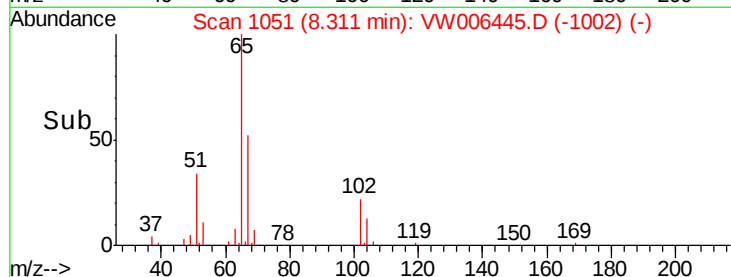
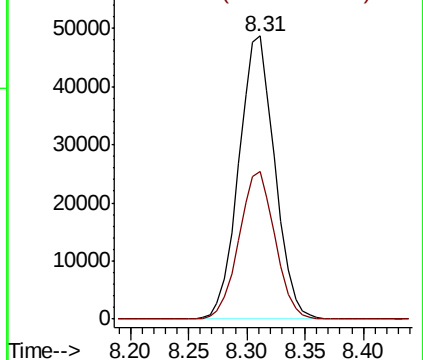
65 100

67 52.3 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: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

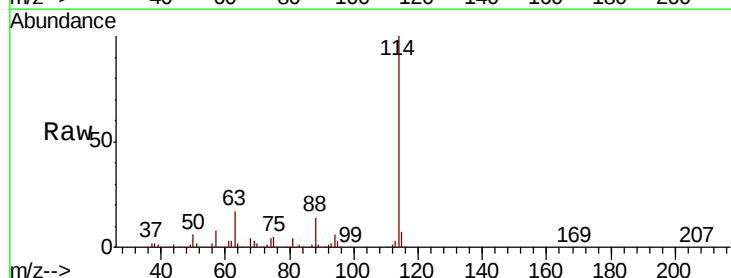
Tgt Ion: 114 Resp: 332435

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.8

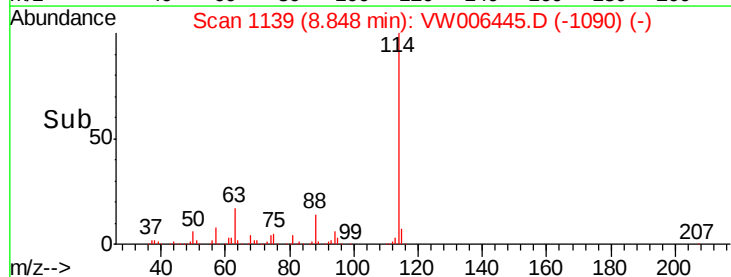
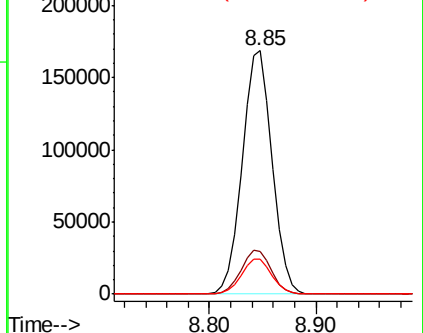
88 14.2 0.0 29.0

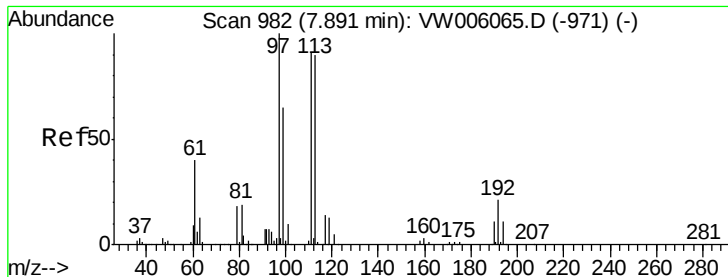


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.421 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-03B

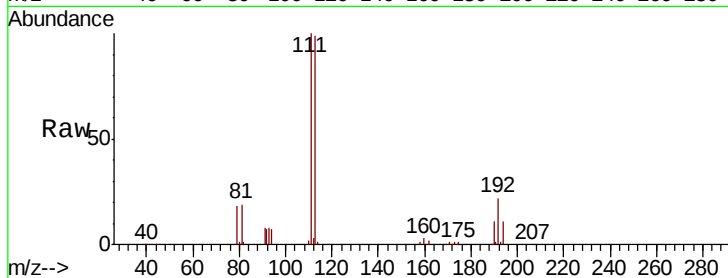
Tot Ion:113 Resp: 102972

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

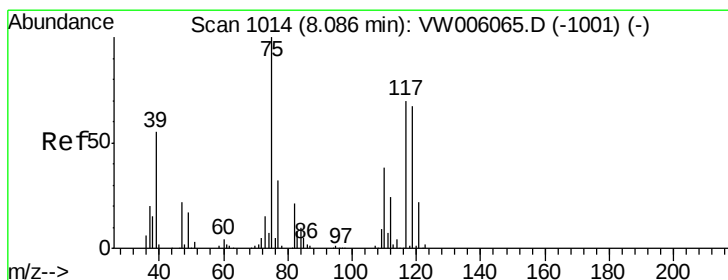
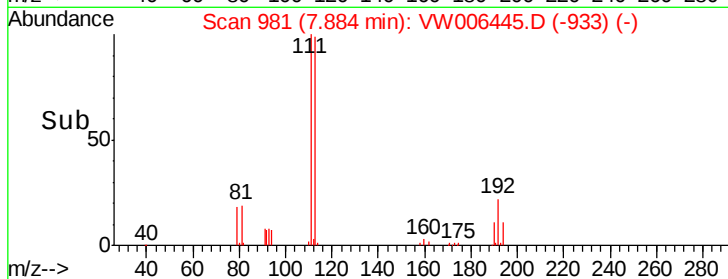
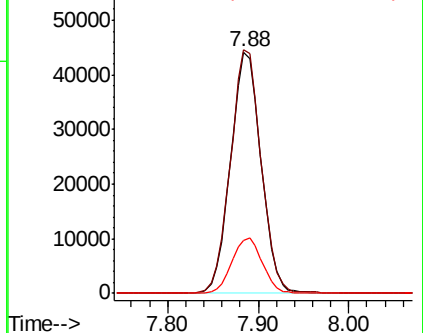
192 22.9 18.7 28.1



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: 4.687 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

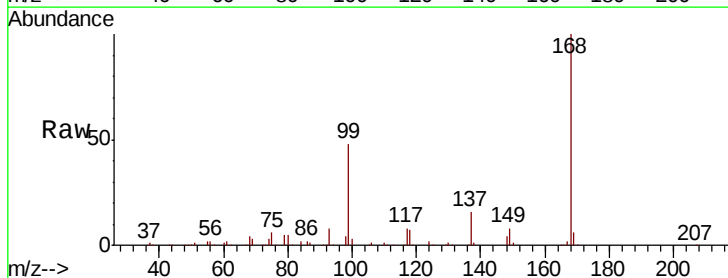
Tgt Ion: 75 Resp: 14363

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

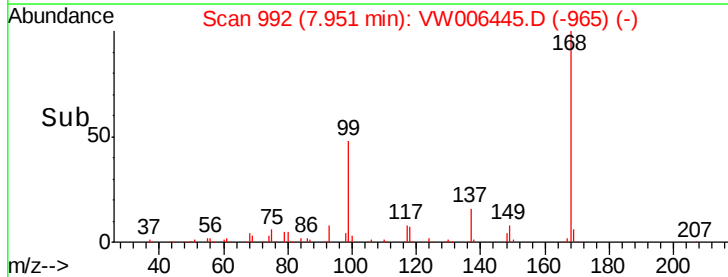
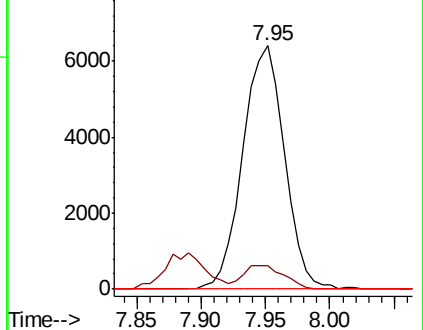
77 0.0 25.0 37.4#

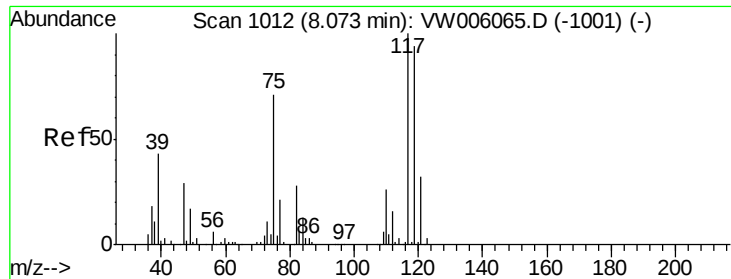


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.823 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-03B

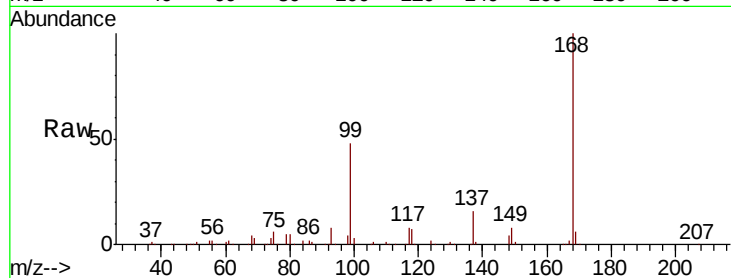
Tot Ion:117 Resp: 19558

Ion Ratio Lower Upper

117 100

119 5.3 75.2 112.8#

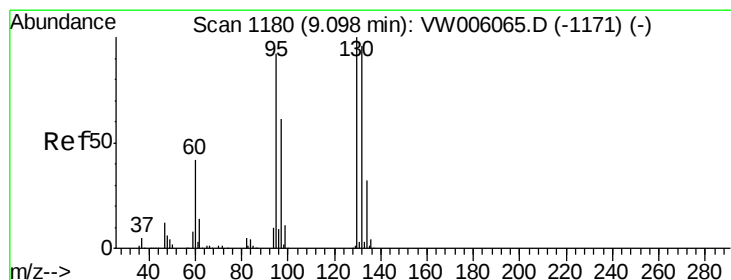
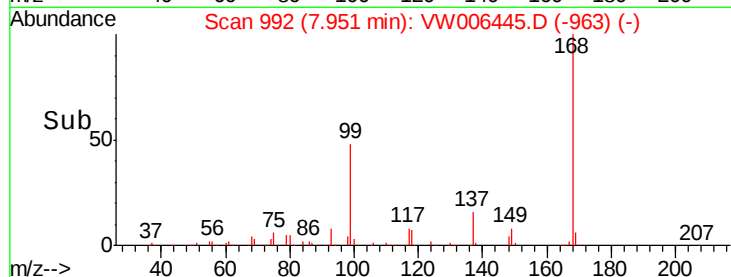
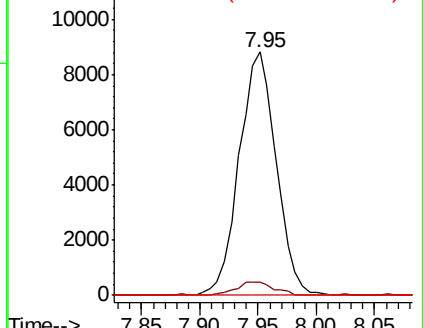
121 0.0 25.3 37.9#



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



#44

Trichloroethene

Concen: 4.141 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006445.D

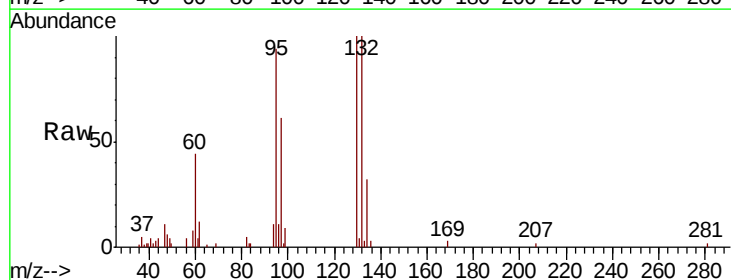
Acq: 27 Oct 2018 10:52

Tgt Ion:130 Resp: 10679

Ion Ratio Lower Upper

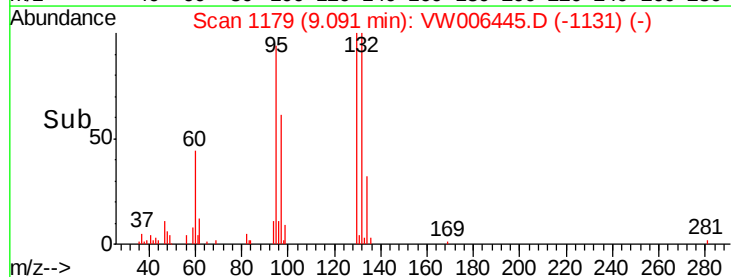
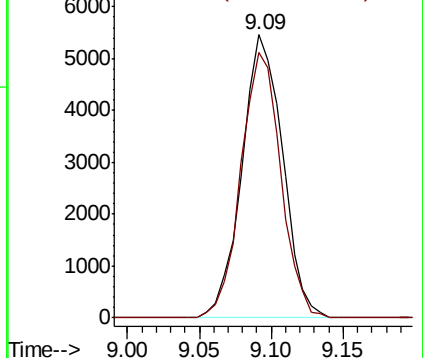
130 100

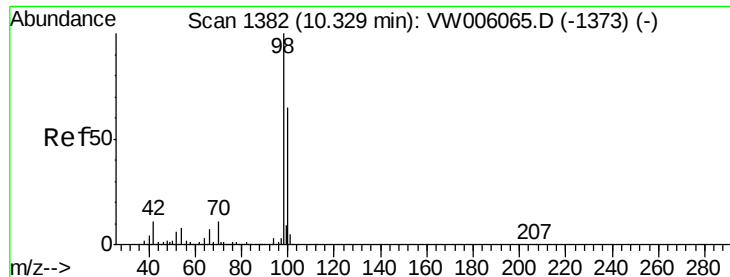
95 93.9 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV





#50

Toluene-d8

Concen: 48.037 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

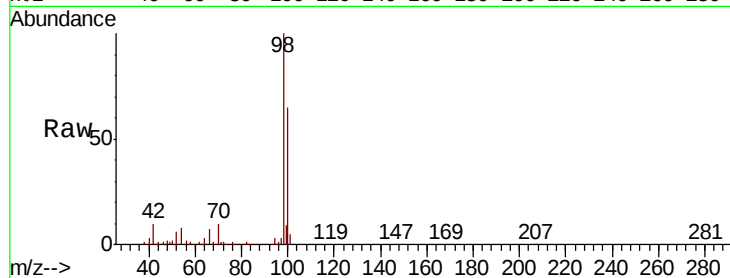
PA-SB-03B

Tot Ion: 98 Resp: 358997

Ion Ratio Lower Upper

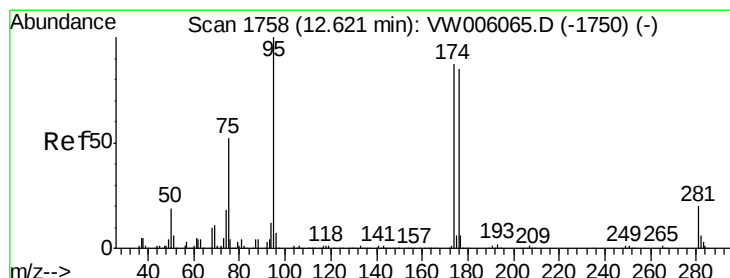
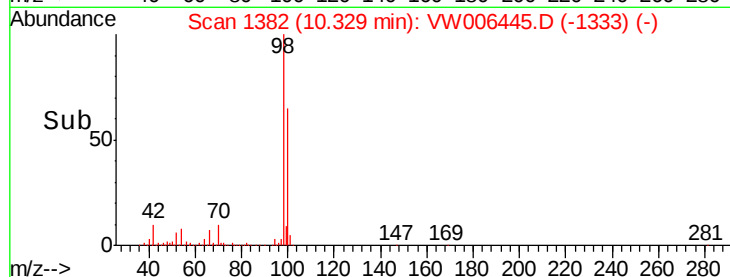
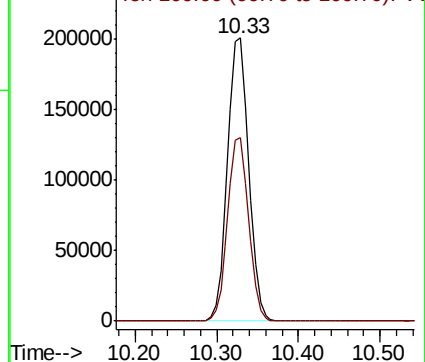
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 38.595 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

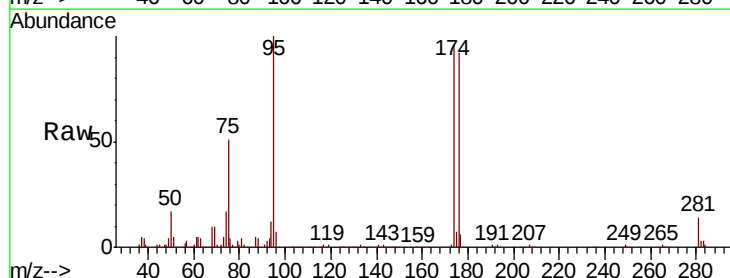
Tgt Ion: 95 Resp: 108331

Ion Ratio Lower Upper

95 100

174 96.5 0.0 186.0

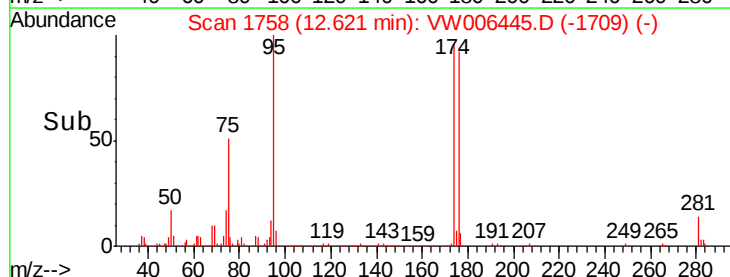
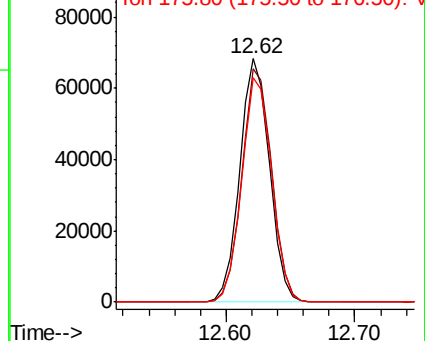
176 93.2 0.0 181.6

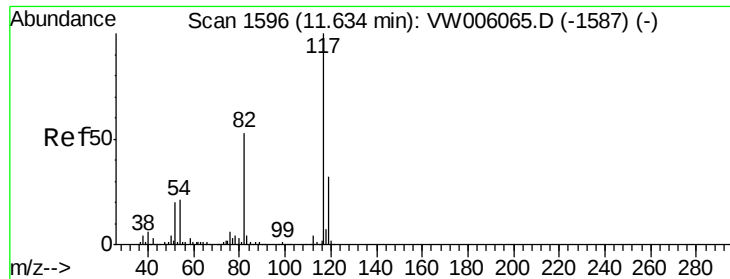


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

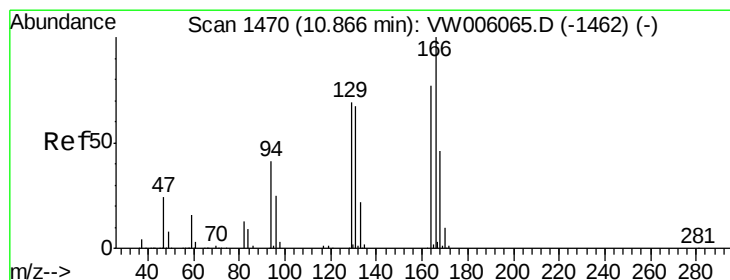
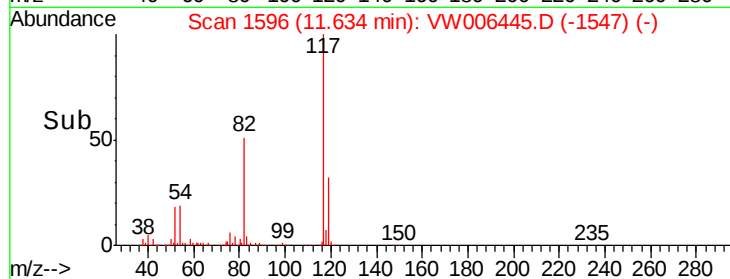
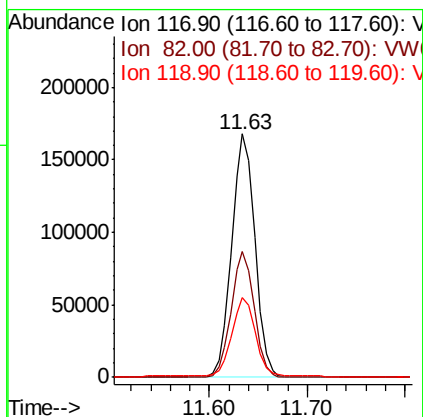
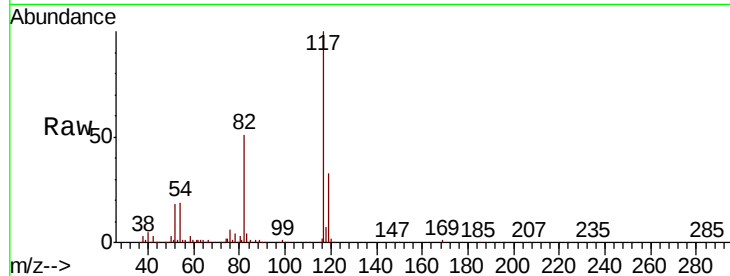




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006445.D
Acq: 27 Oct 2018 10:52

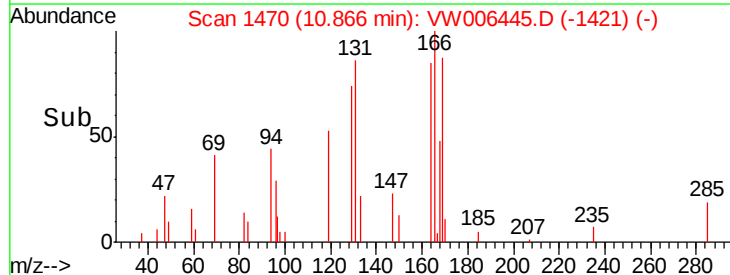
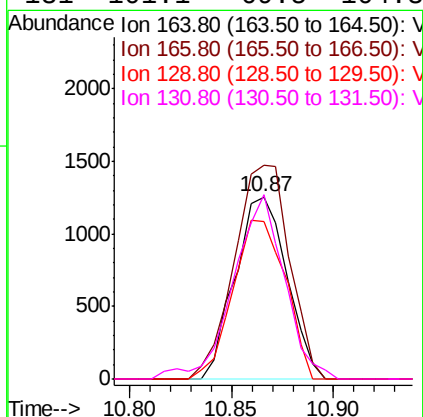
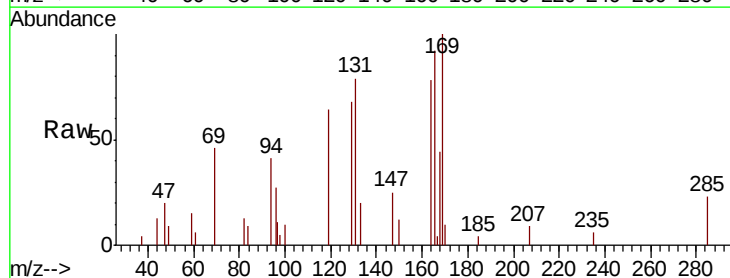
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-03B

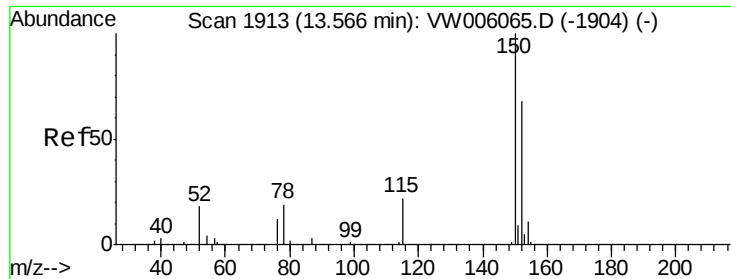
Tot Ion:117 Resp: 275931
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 1.035 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006445.D
Acq: 27 Oct 2018 10:52

Tgt Ion:164 Resp: 2217
Ion Ratio Lower Upper
164 100
166 117.5 103.4 155.0
129 86.9 71.8 107.8
131 101.1 69.5 104.3



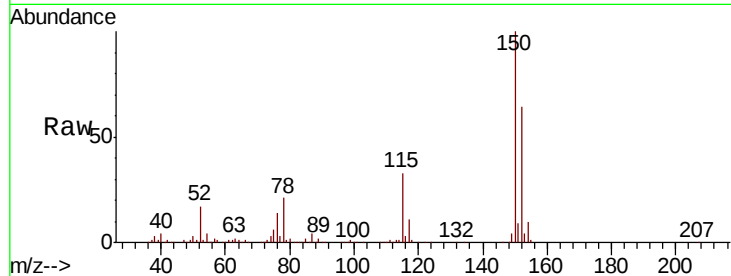


#72

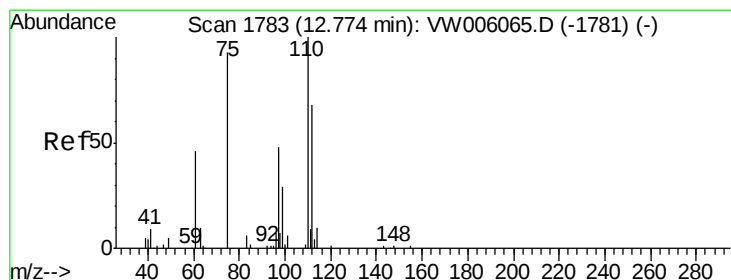
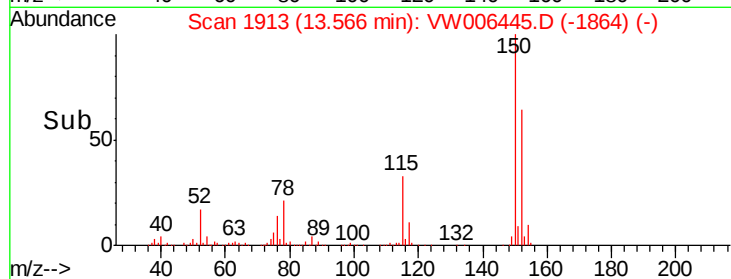
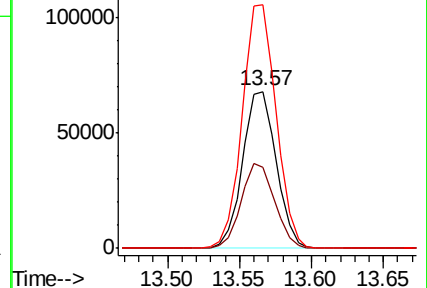
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006445.D
Acq: 27 Oct 2018 10:52

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-03B

Tot Ion:152 Resp: 109820
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.3
150 156.8 0.0 349.2



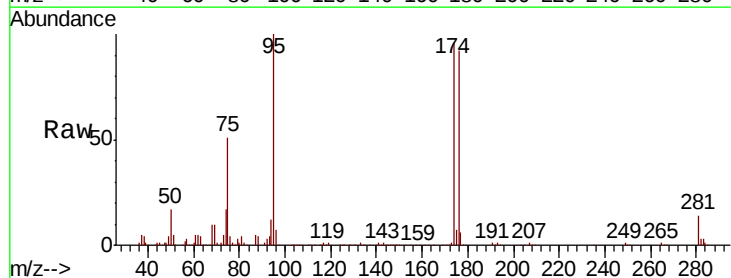
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



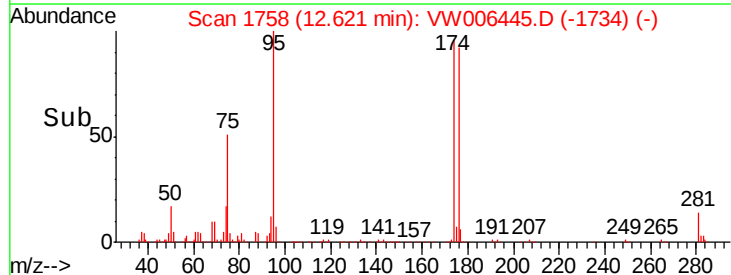
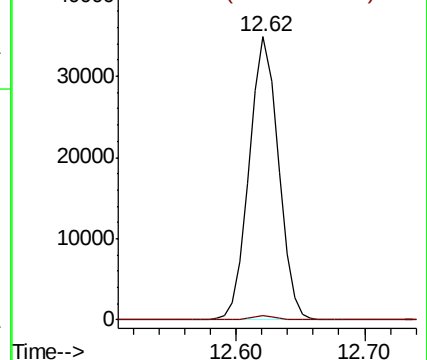
#76

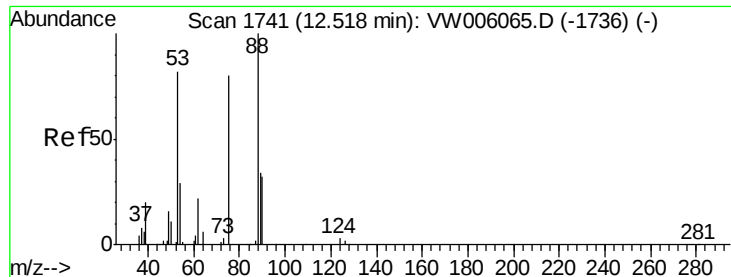
1,2,3-Trichloropropane
Concen: 65.136 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006445.D
Acq: 27 Oct 2018 10:52

Tgt Ion: 75 Resp: 54637
Ion Ratio Lower Upper
75 100
77 1.2 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: 155.702 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006445.D

Acq: 27 Oct 2018 10:52

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-03B

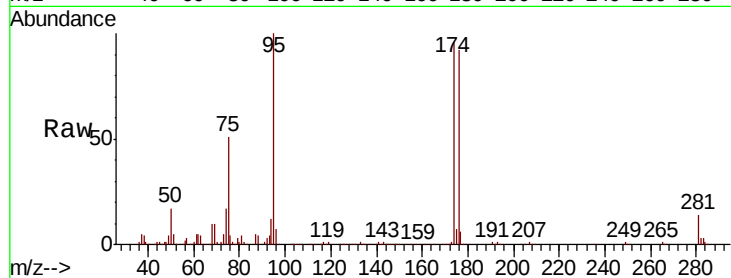
Tot Ion: 75 Resp: 54637

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 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

