

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005709.D
 Acq On : 27 Sep 2018 19:09
 Operator : VA/AP
 Sample : J5118-02RE
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064RE

Quant Time: Sep 28 01:23:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	167921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	252835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	205966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	76854	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	130513	65.97	ug/l	0.00
Spiked Amount			Recovery	=	131.94%	
35) Dibromofluoromethane	7.89	113	96733	60.84	ug/l	0.00
Spiked Amount			Recovery	=	121.68%	
50) Toluene-d8	10.33	98	315437	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.62	95	89193	37.23	ug/l	0.00
Spiked Amount			Recovery	=	74.46%	

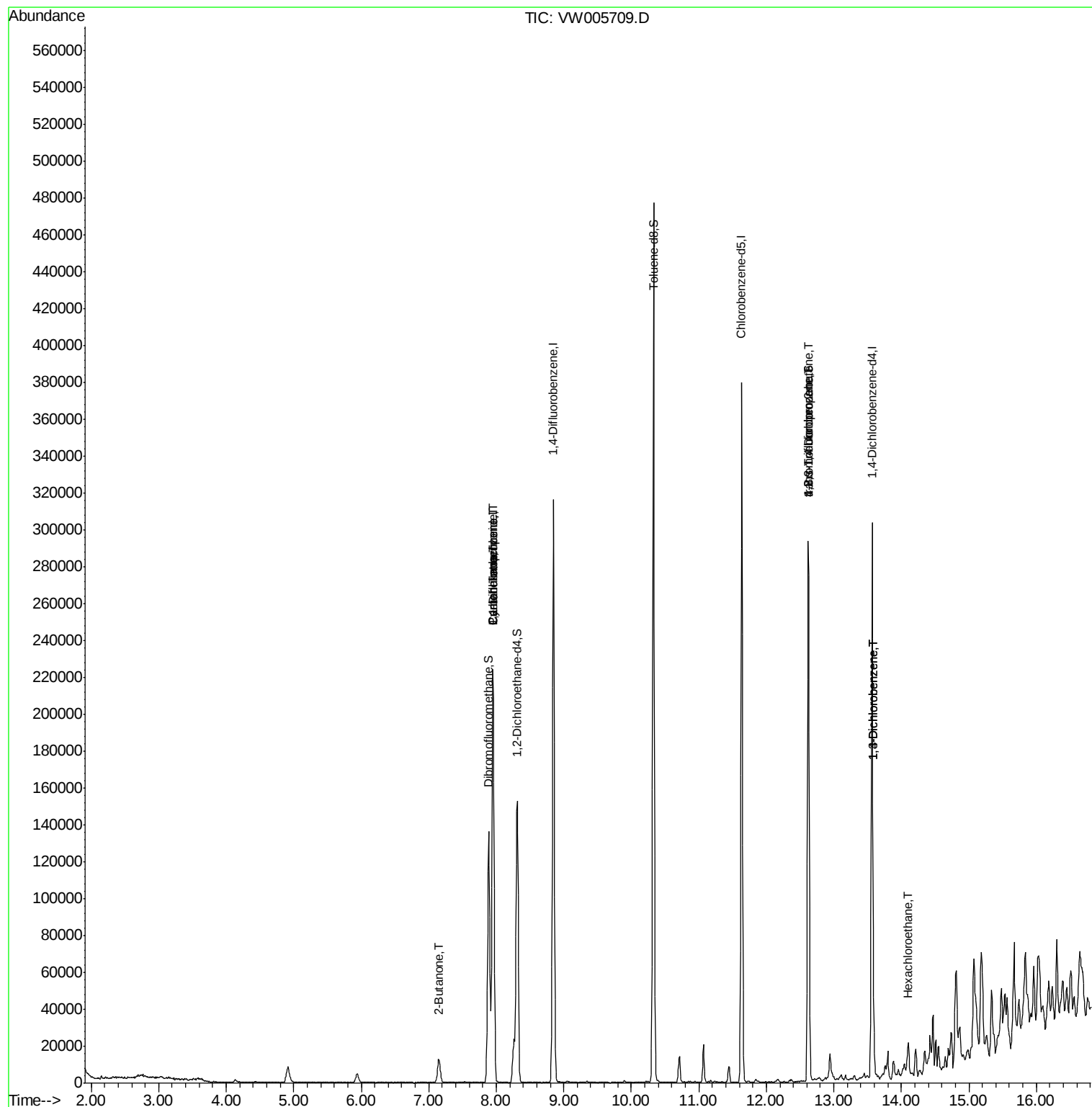
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	109	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	41	Below Cal	#	72
16) Acetone	4.14	43	2307	Below Cal	#	85
20) Methylene Chloride	4.92	84	6876	Below Cal		86
25) 2-Butanone	7.15	43	1027	2.138	ug/l #	89
31) Cyclohexane	7.95	56	3584	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12652	4.971	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16352	5.995	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	46892	71.577	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46892	161.213	ug/l #	7
87) 1,3-Dichlorobenzene	13.58	146	8063	3.157	ug/l	87
88) 1,4-Dichlorobenzene	13.58	146	8063	3.174	ug/l	87
90) Hexachloroethane	14.11	117	1067	1.163	ug/l #	7

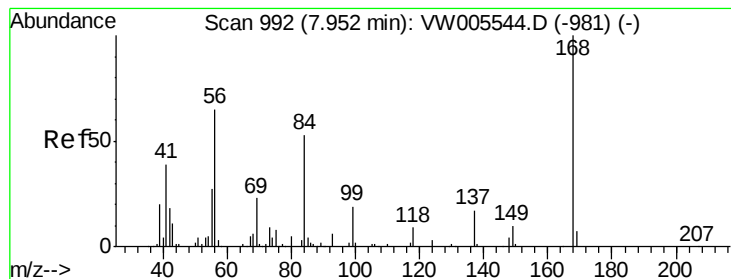
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

Instrument :

MSVOA_W

ClientSampleId :

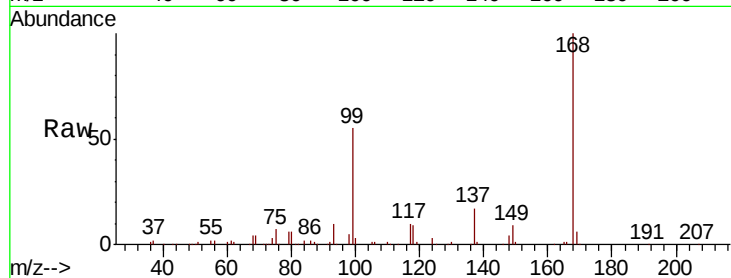
RA-092518-USTEXC-NW-R-064RE

Tgt Ion:168 Resp: 167921

Ion Ratio Lower Upper

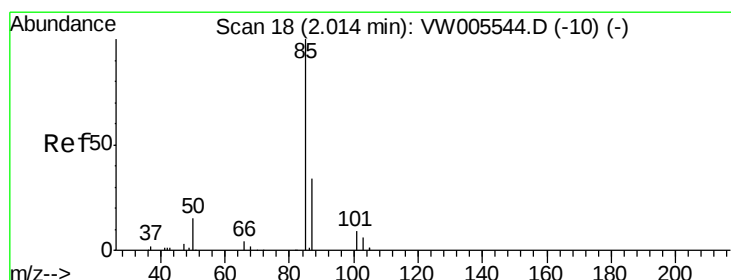
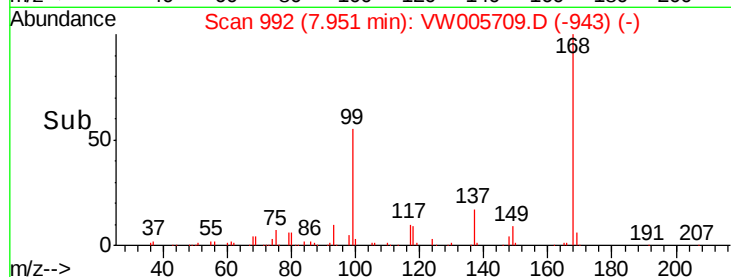
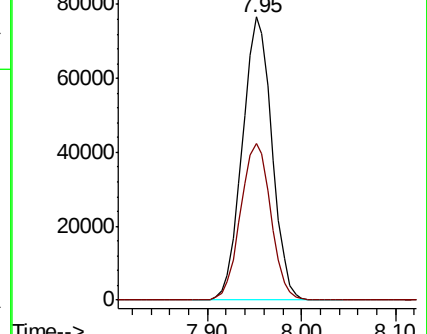
168 100

99 55.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005709.D

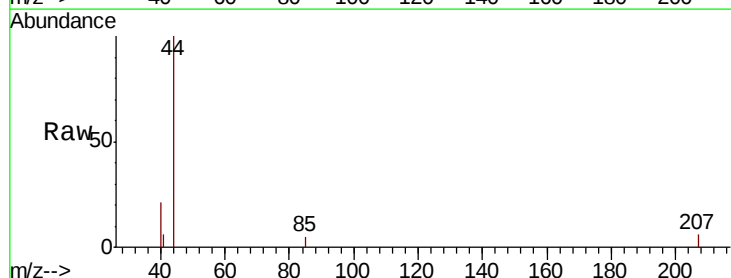
Acq: 27 Sep 2018 19:09

Tgt Ion: 85 Resp: 109

Ion Ratio Lower Upper

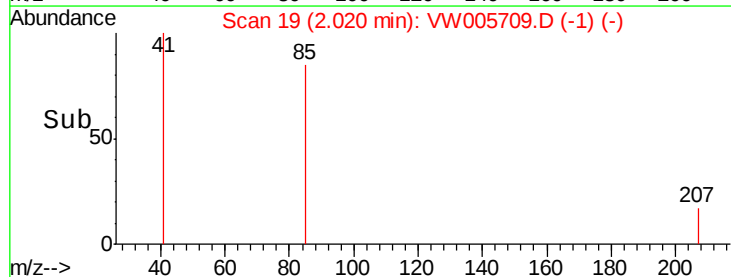
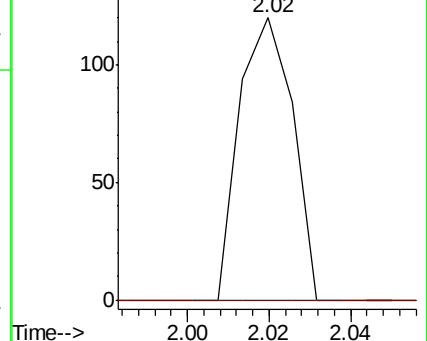
85 100

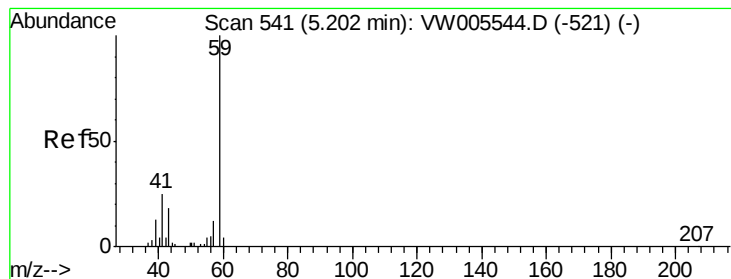
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



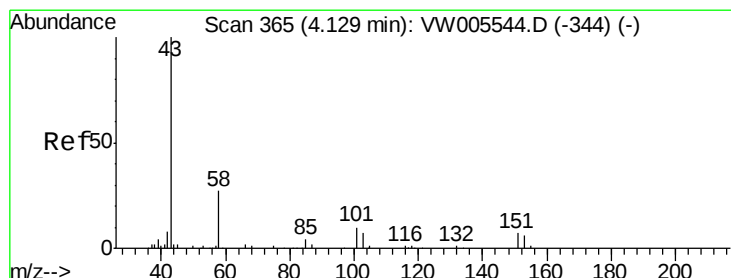
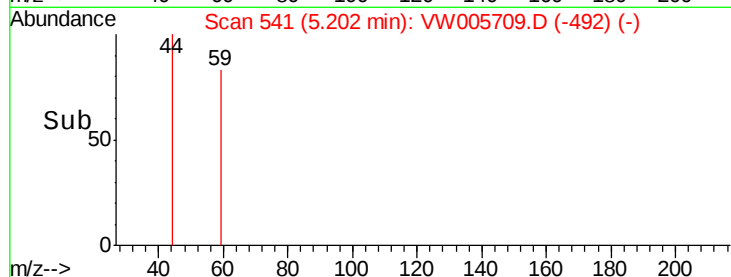
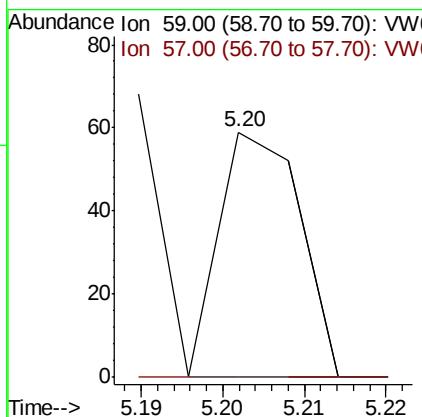
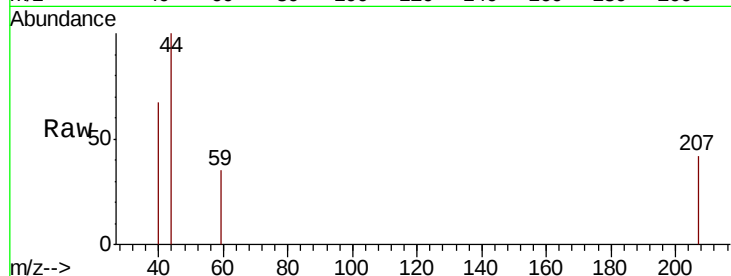


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: VW005709.D
 Acq: 27 Sep 2018 19:09

Instrument :
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 RA-092518-USTEXC-NW-R-064RE

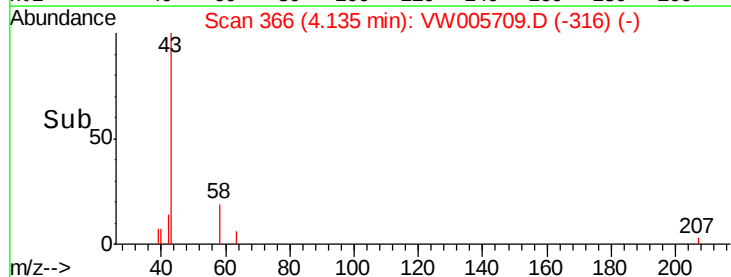
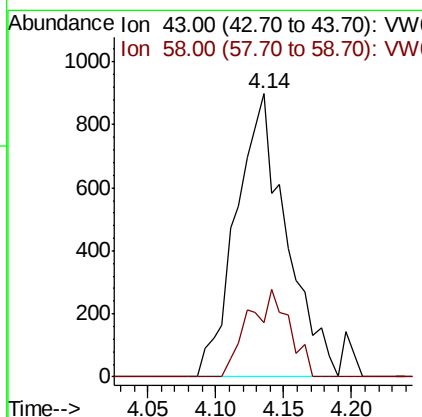
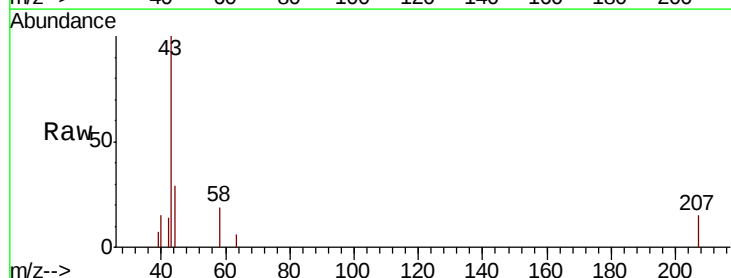
Tgt Ion: 59 Resp: 41
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

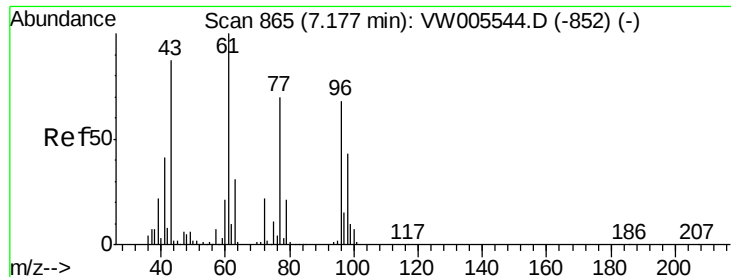


#16

Acetone
 Concen: Below Cal
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW005709.D
 Acq: 27 Sep 2018 19:09

Tgt Ion: 43 Resp: 2307
 Ion Ratio Lower Upper
 43 100
 58 19.3 21.8 32.8#





#25

2-Butanone

Concen: 2.138 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

Instrument :

MSVOA_W

ClientSampleId :

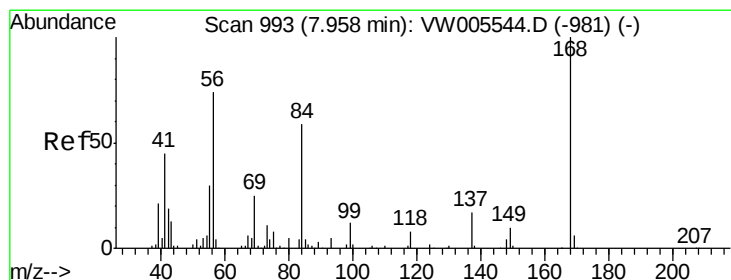
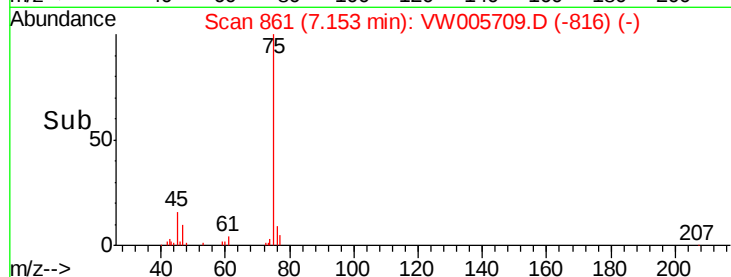
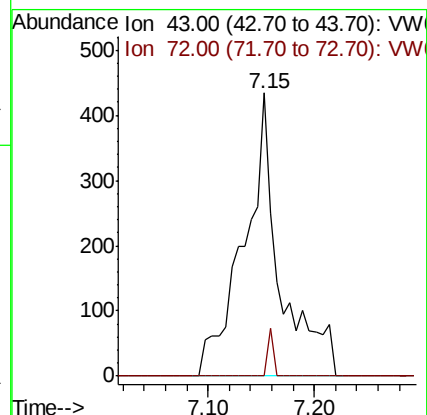
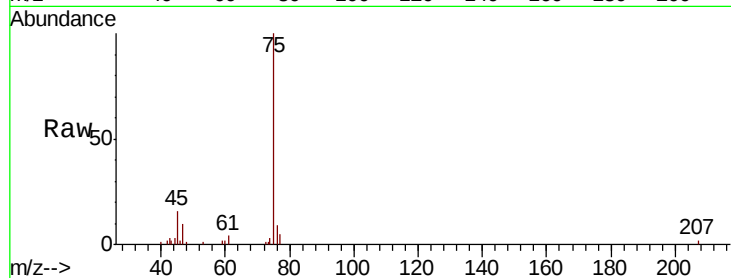
RA-092518-USTEXC-NW-R-064RE

Tgt Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

72 19.6 19.9 29.9#



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

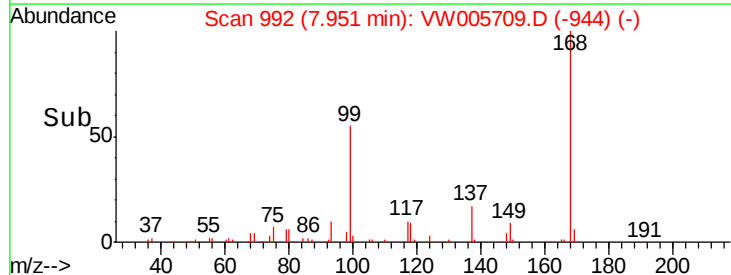
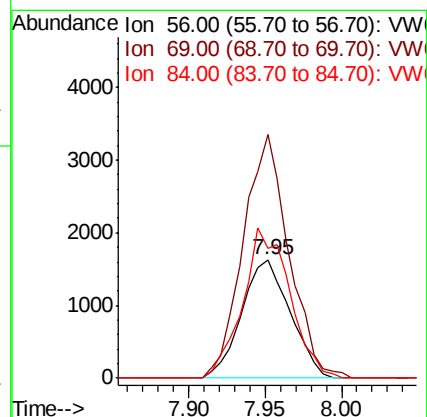
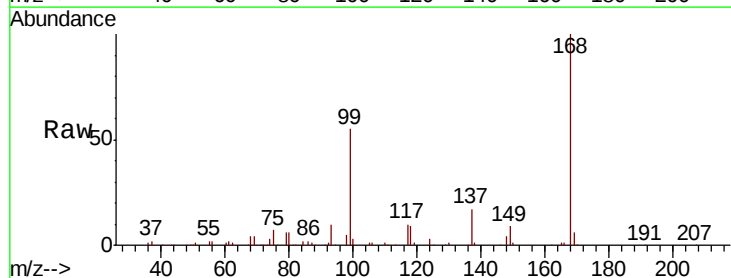
Tgt Ion: 56 Resp: 3584

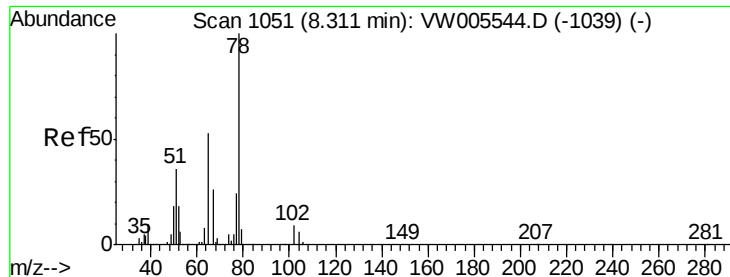
Ion Ratio Lower Upper

56 100

69 205.9 27.0 40.4#

84 109.5 64.2 96.4#

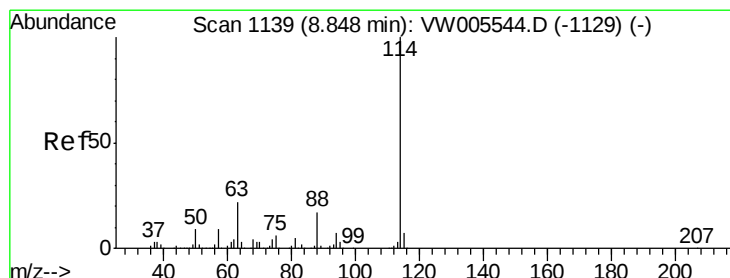
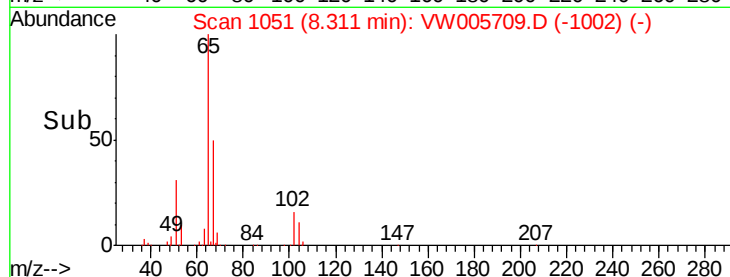
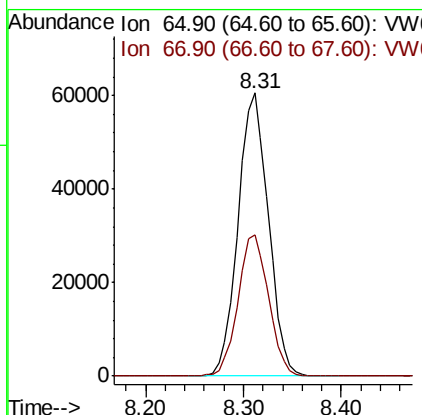
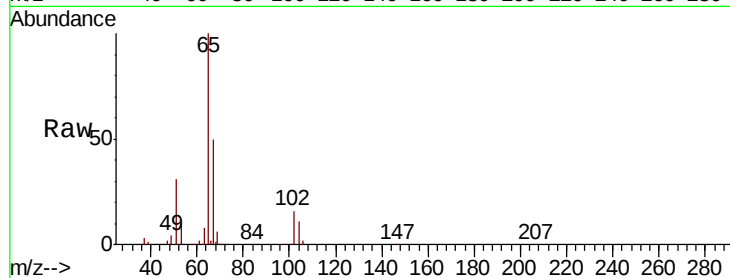




#33
 1,2-Dichloroethane-d4
 Concen: 65.975 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005709.D
 Acq: 27 Sep 2018 19:09

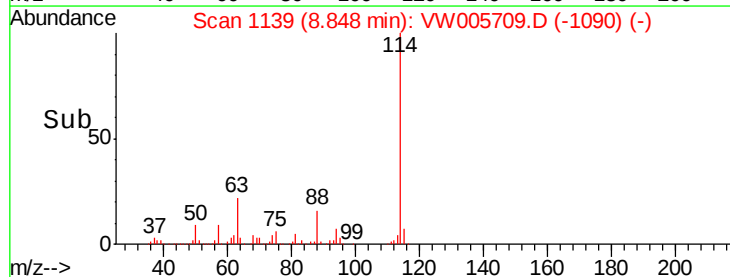
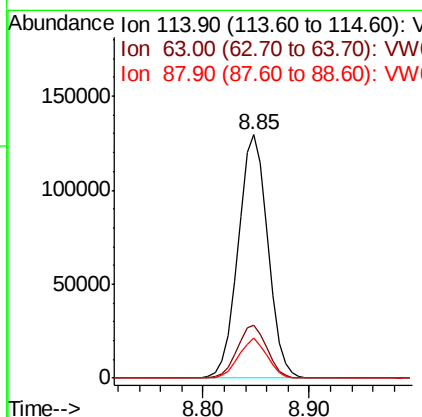
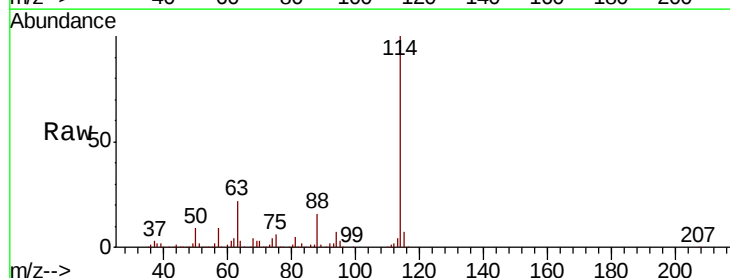
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064RE

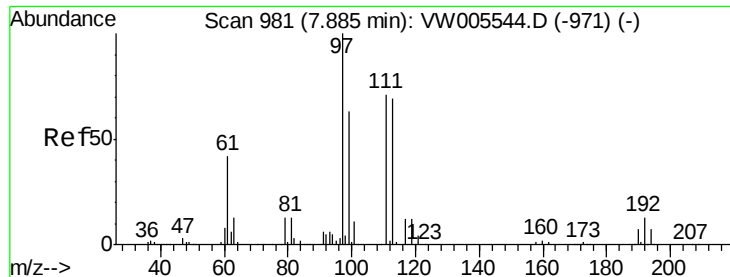
Tgt Ion: 65 Resp: 130513
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005709.D
 Acq: 27 Sep 2018 19:09

Tgt Ion: 114 Resp: 252835
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.0
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 60.839 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

Instrument :

MSVOA_W

ClientSampleId :

RA-092518-USTEXC-NW-R-064RE

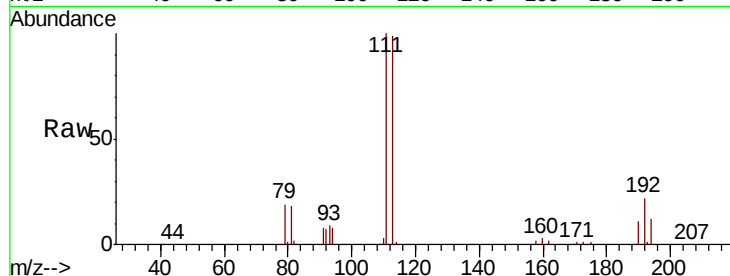
Tgt Ion:113 Resp: 96733

Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

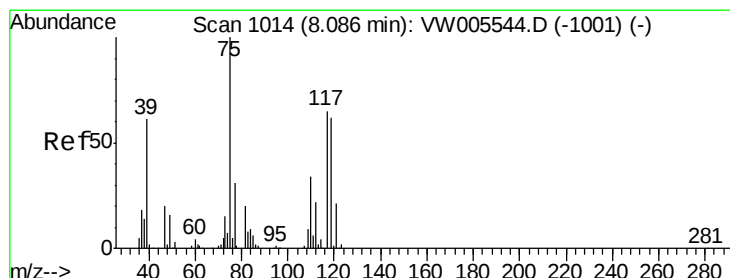
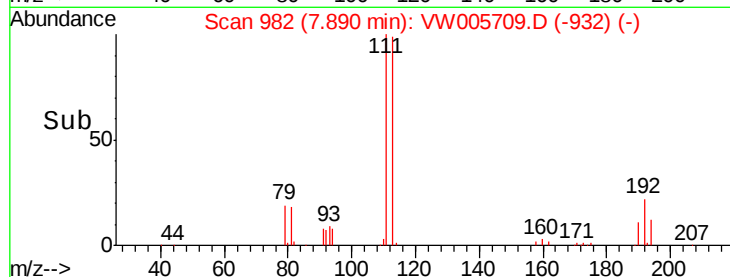
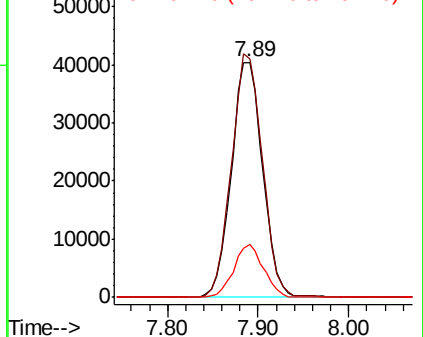
192 21.3 17.0 25.4



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: 4.971 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

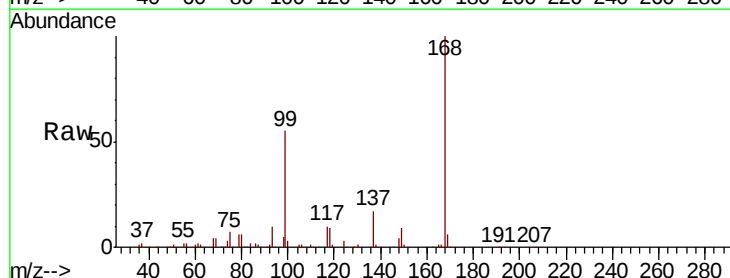
Tgt Ion: 75 Resp: 12652

Ion Ratio Lower Upper

75 100

110 10.0 17.0 50.9#

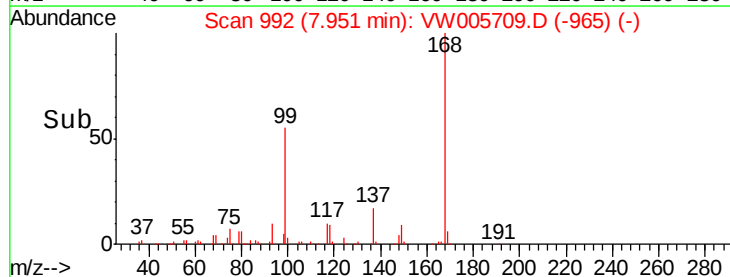
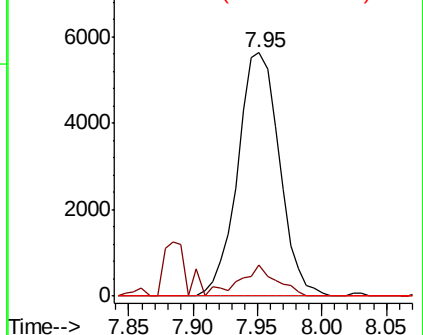
77 0.0 24.8 37.2#

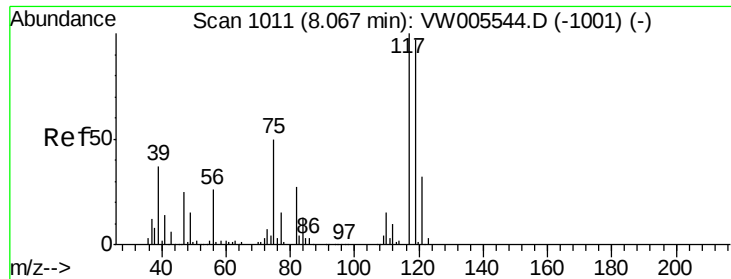


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

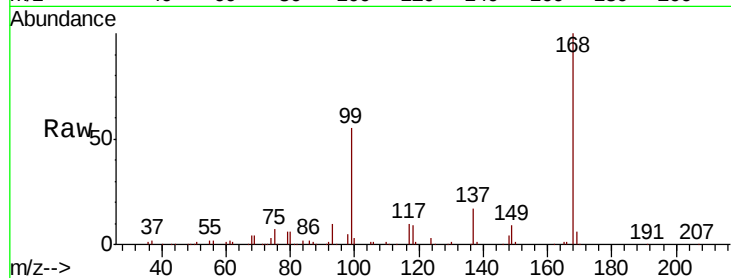




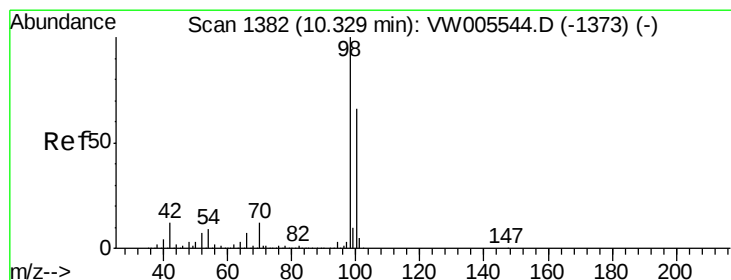
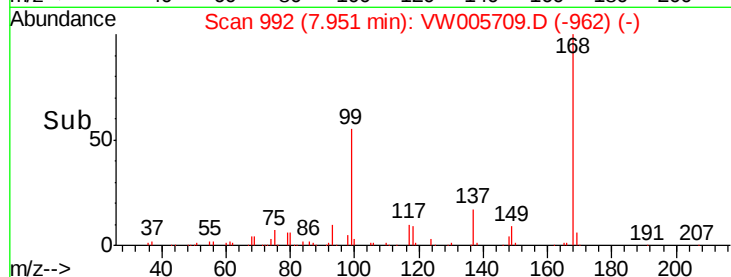
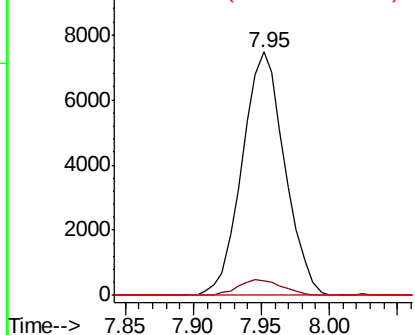
#38
Carbon Tetrachloride
Concen: 5.995 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005709.D
Acq: 27 Sep 2018 19:09

Instrument :
MSVOA_W
ClientSampleId :
RA-092518-USTEXC-NW-R-064RE

Tgt Ion:117 Resp: 16352
Ion Ratio Lower Upper
117 100
119 6.2 77.6 116.4#
121 0.0 25.7 38.5#

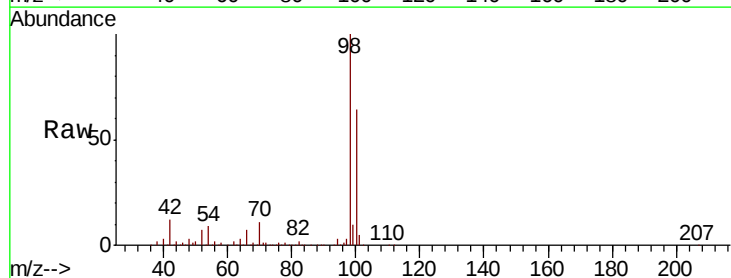


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

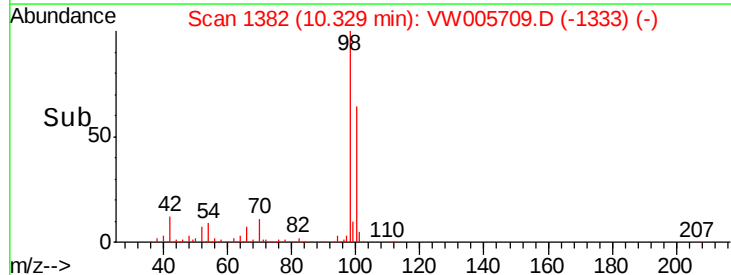
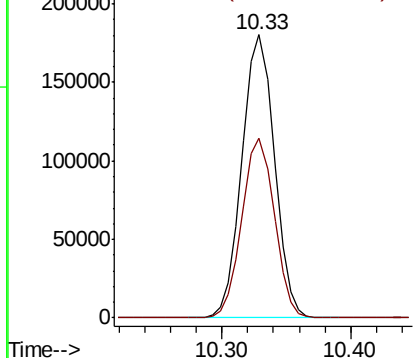


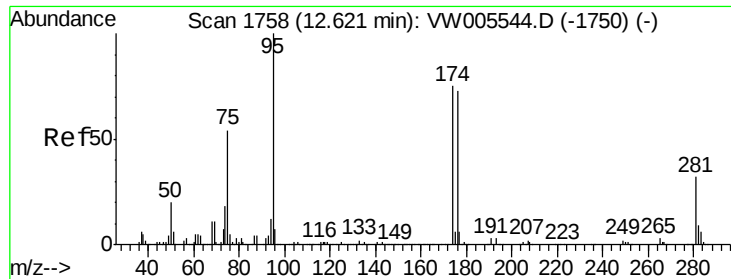
#50
Toluene-d8
Concen: 48.723 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005709.D
Acq: 27 Sep 2018 19:09

Tgt Ion: 98 Resp: 315437
Ion Ratio Lower Upper
98 100
100 63.6 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: 37.233 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

Instrument :

MSVOA_W

ClientSampleId :

RA-092518-USTEXC-NW-R-064RE

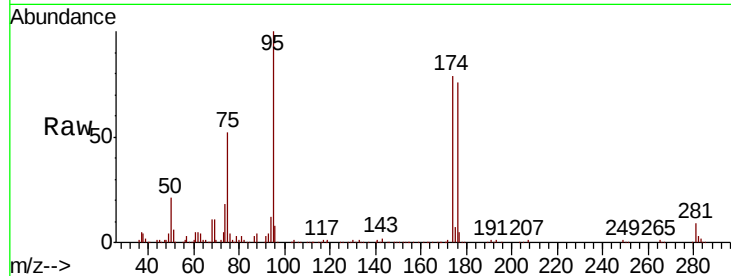
Tgt Ion: 95 Resp: 89193

Ion Ratio Lower Upper

95 100

174 84.3 0.0 163.8

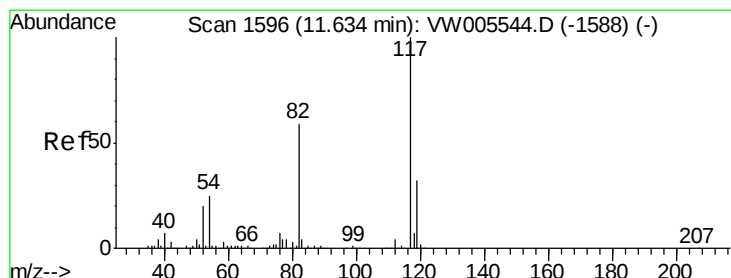
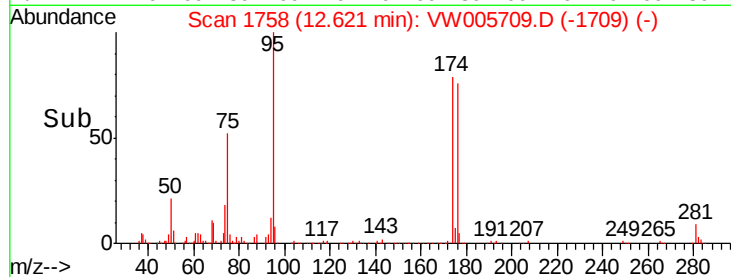
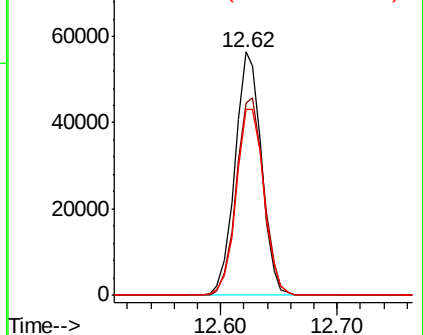
176 80.3 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

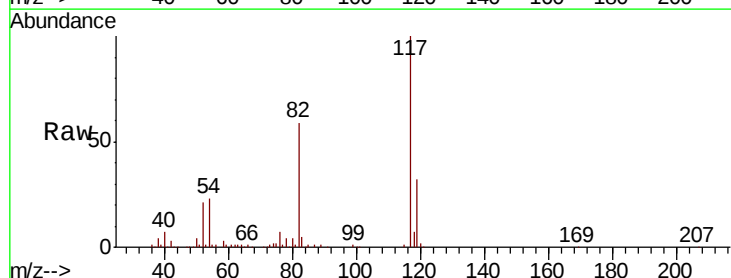
Tgt Ion: 117 Resp: 205966

Ion Ratio Lower Upper

117 100

82 58.7 46.9 70.3

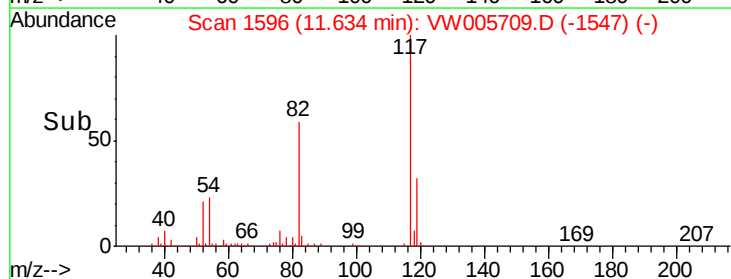
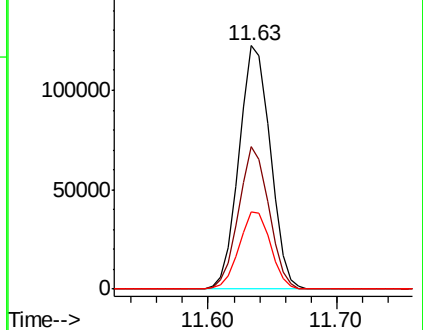
119 31.9 25.7 38.5

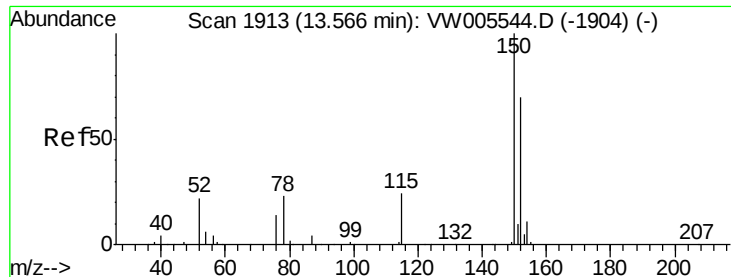


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005709.D

Acq: 27 Sep 2018 19:09

Instrument :

MSVOA_W

ClientSampleId :

RA-092518-USTEXC-NW-R-064RE

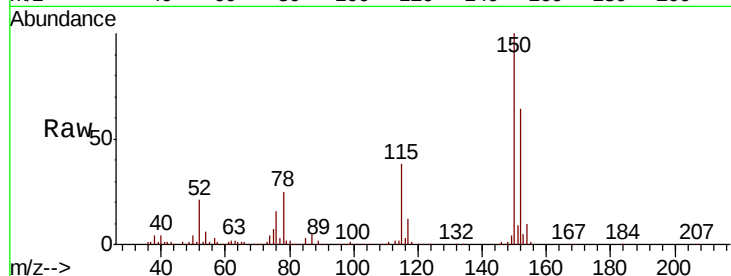
Tgt Ion:152 Resp: 76854

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

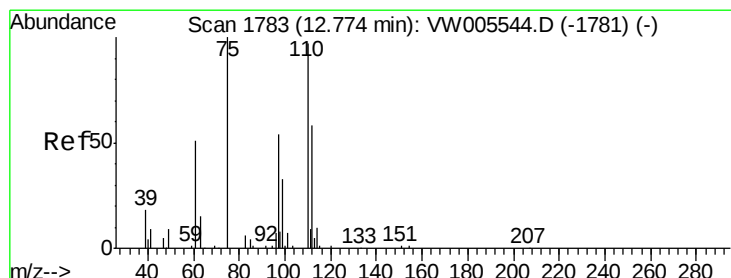
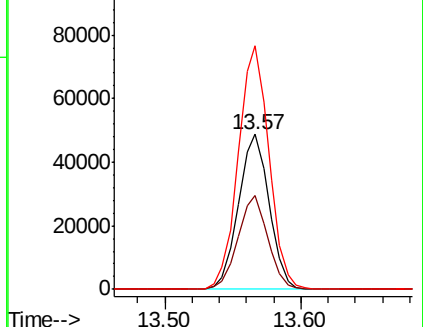
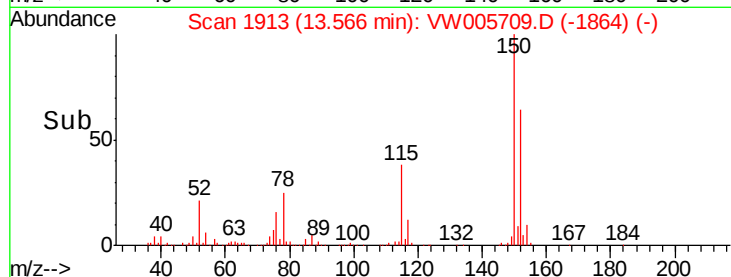
150 156.5 0.0 348.6



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: 71.577 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005709.D

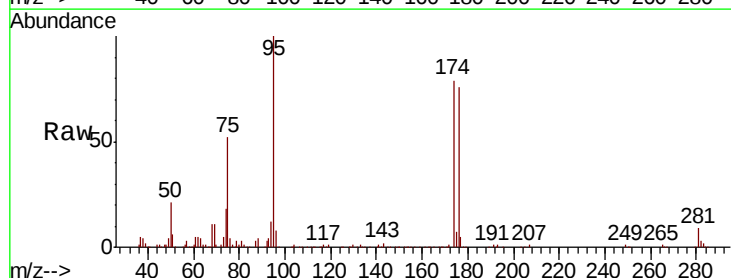
Acq: 27 Sep 2018 19:09

Tgt Ion: 75 Resp: 46892

Ion Ratio Lower Upper

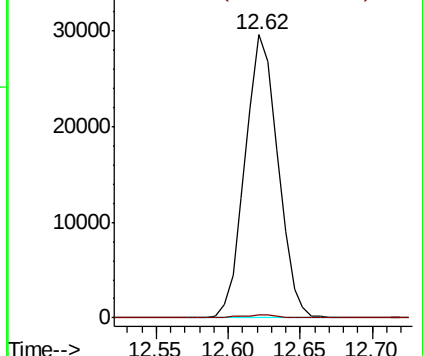
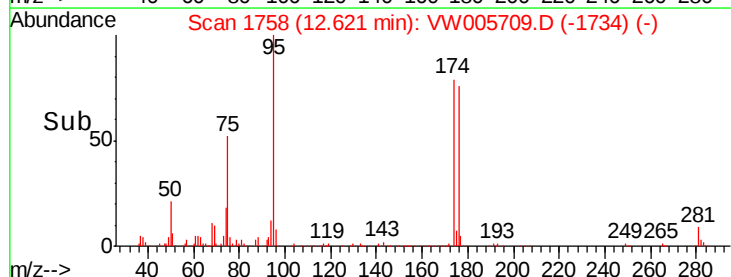
75 100

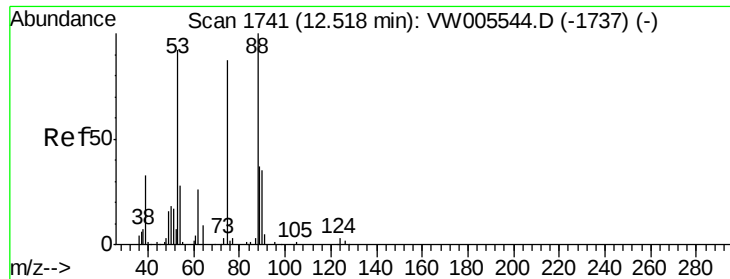
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

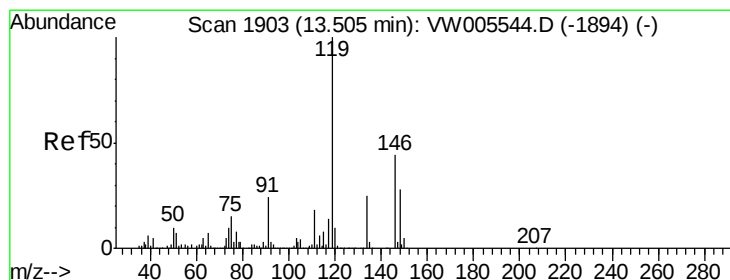
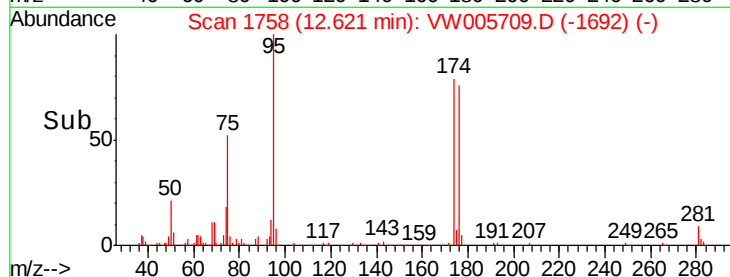
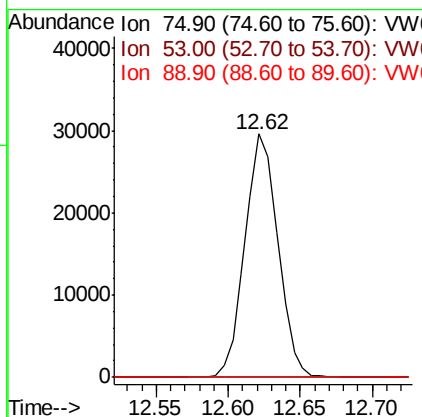
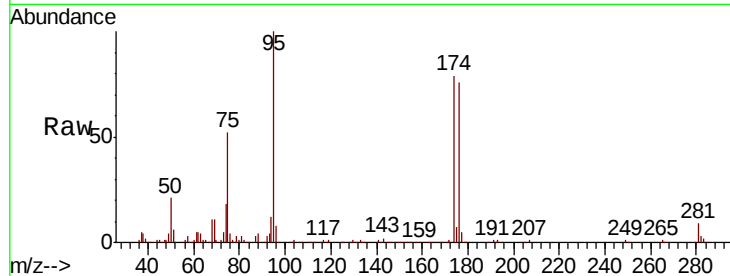




#81
trans-1,4-Dichloro-2-butene
Concen: 161.213 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW005709.D
Acq: 27 Sep 2018 19:09

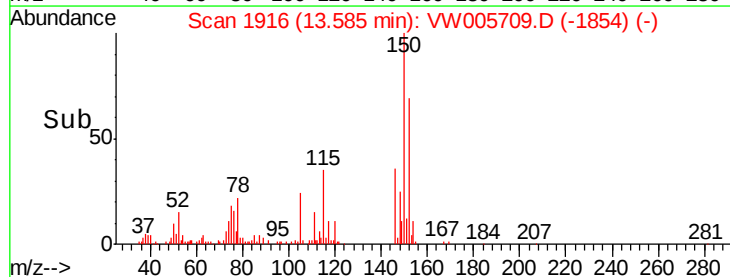
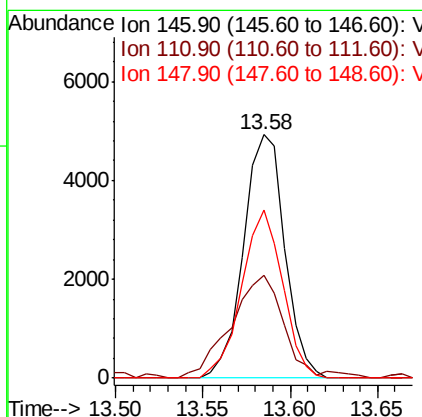
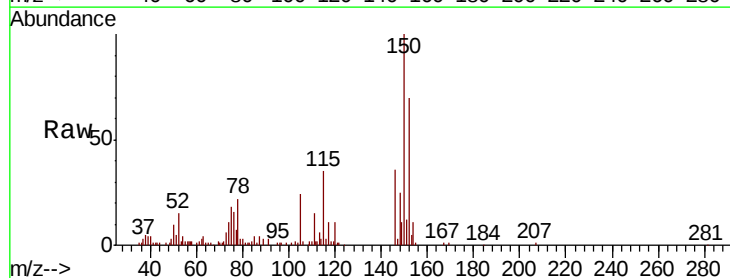
Instrument :
MSVOA_W
ClientSampleId :
RA-092518-USTEXC-NW-R-064RE

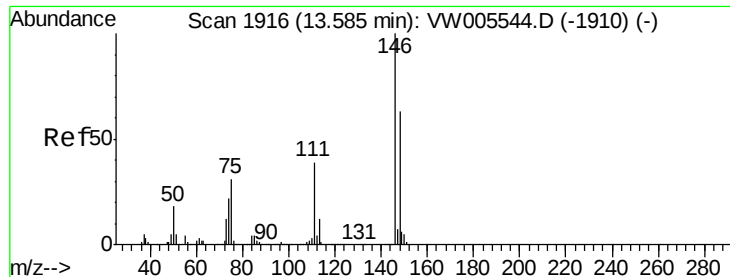
Tgt Ion: 75 Resp: 46892
Ion Ratio Lower Upper
75 100
53 0.1 85.8 128.6#
89 0.1 37.3 55.9#



#87
1,3-Dichlorobenzene
Concen: 3.157 ug/l
RT: 13.58 min Scan# 1916
Delta R.T. 0.08 min
Lab File: VW005709.D
Acq: 27 Sep 2018 19:09

Tgt Ion: 146 Resp: 8063
Ion Ratio Lower Upper
146 100
111 55.3 20.3 60.9
148 68.6 31.8 95.4

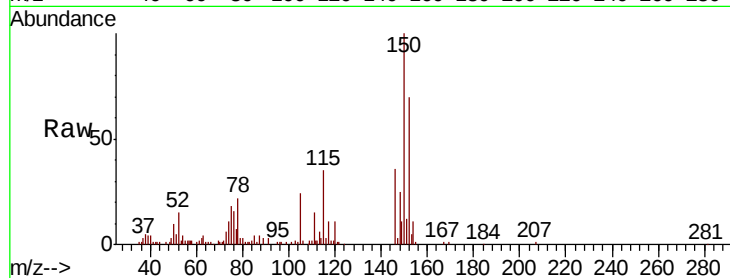




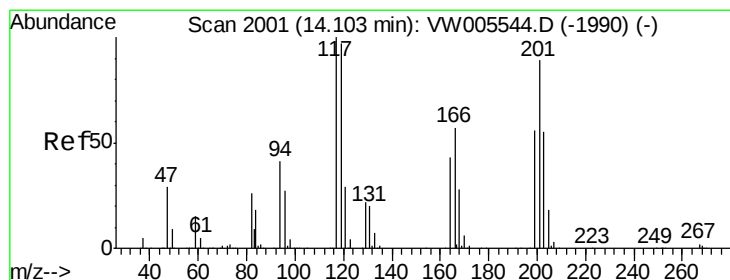
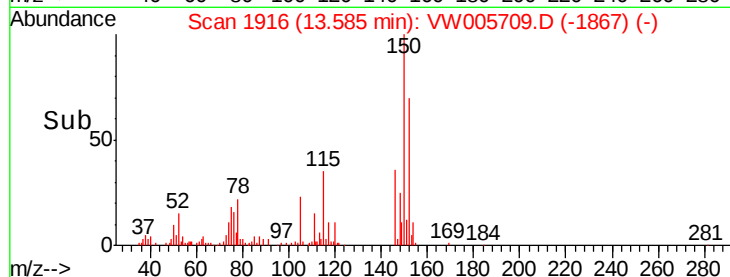
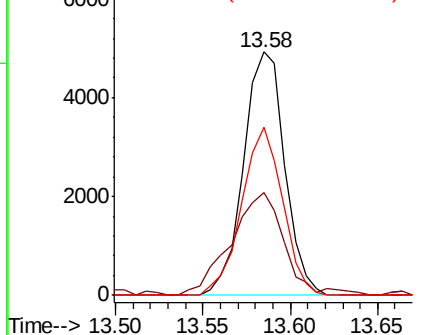
#88
 1,4-Dichlorobenzene
 Concen: 3.174 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005709.D
 Acq: 27 Sep 2018 19:09

Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064RE

Tgt Ion:146 Resp: 8063
 Ion Ratio Lower Upper
 146 100
 111 55.3 19.9 59.7
 148 68.6 32.1 96.3

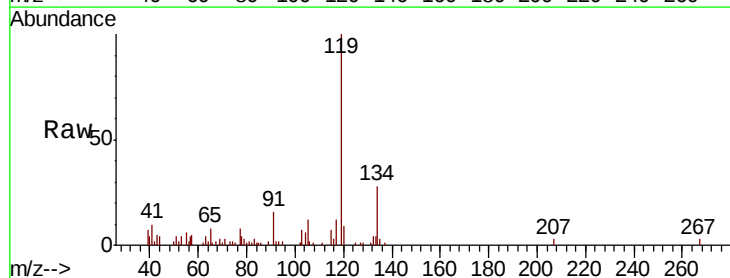


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#90
 Hexachloroethane
 Concen: 1.163 ug/l
 RT: 14.11 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: VW005709.D
 Acq: 27 Sep 2018 19:09

Tgt Ion:117 Resp: 1067
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.8 128.3#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V

