

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005681.D
 Acq On : 27 Sep 2018 05:19
 Operator : VA/AP
 Sample : VW092618SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW092618SBL02

Quant Time: Sep 27 07:53:24 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	7.96	168	211373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	363589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	344415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	142792	57.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.68%	
35) Dibromofluoromethane	7.89	113	122189	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.33	98	466287	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.63	95	169374	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

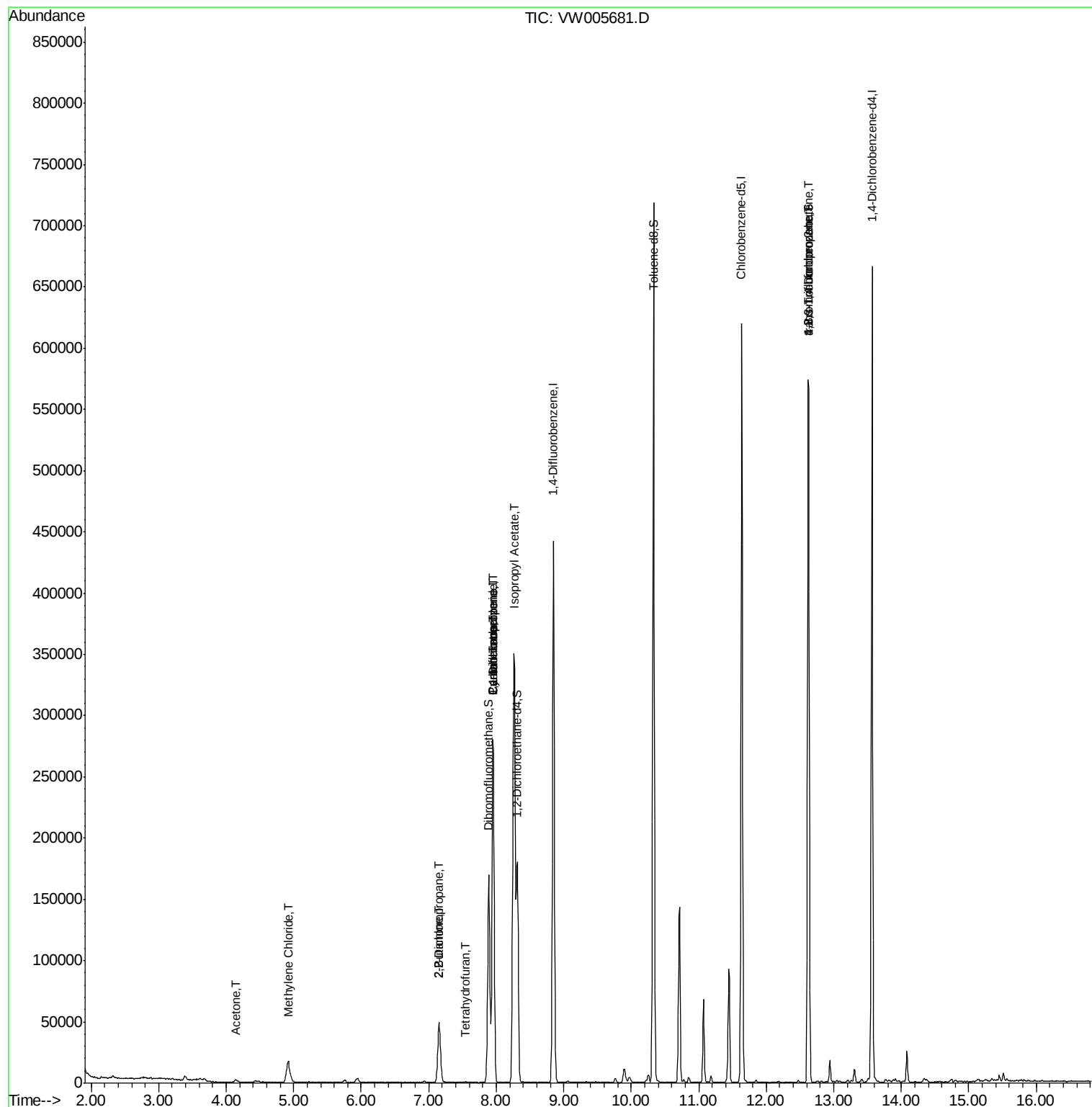
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	20	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	289	Below Cal	#	72
16) Acetone	4.14	43	4145	1.197	ug/l	95
20) Methylene Chloride	4.92	84	13297	2.281	ug/l	96
25) 2-Butanone	7.15	43	3158	5.222	ug/l #	69
26) 2,2-Dichloropropane	7.15	77	3484	1.238	ug/l #	54
29) Tetrahydrofuran	7.54	42	397	1.051	ug/l #	60
31) Cyclohexane	7.95	56	5061	1.311	ug/l #	27
36) 1,1-Dichloropropene	7.96	75	16632	4.544	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20476	5.221	ug/l #	16
43) Isopropyl Acetate	8.26	43	9145	3.020	ug/l #	34
76) 1,2,3-Trichloropropane	12.63	75	87541	60.091	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	87541	135.344	ug/l #	7

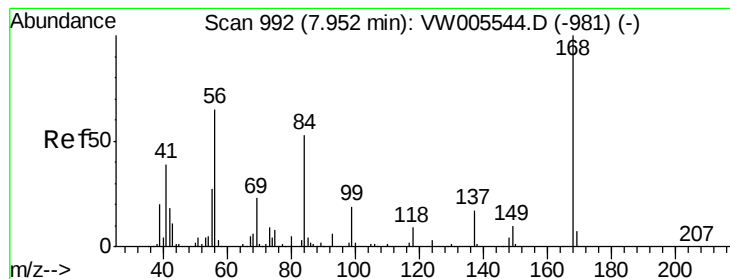
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Instrument :

MSVOA_W

ClientSampleId :

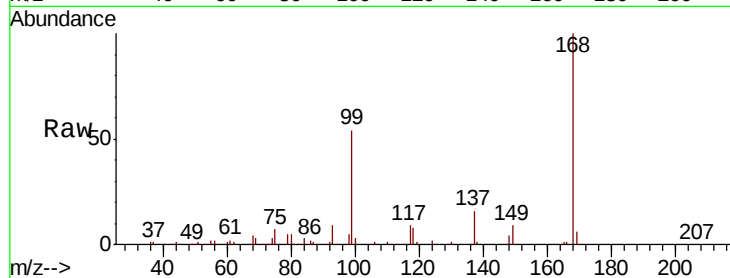
VW092618SBL02

Tgt Ion:168 Resp: 211373

Ion Ratio Lower Upper

168 100

99 53.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

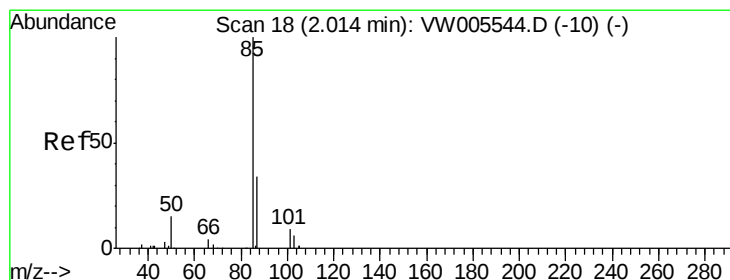
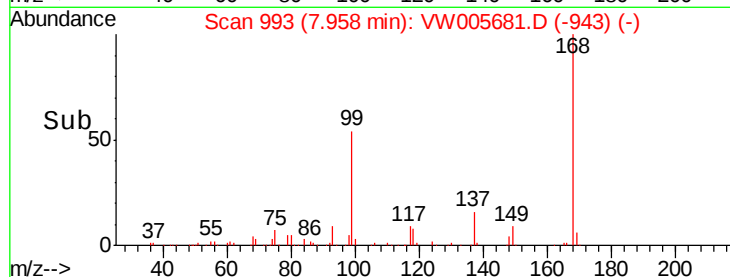
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW005681.D

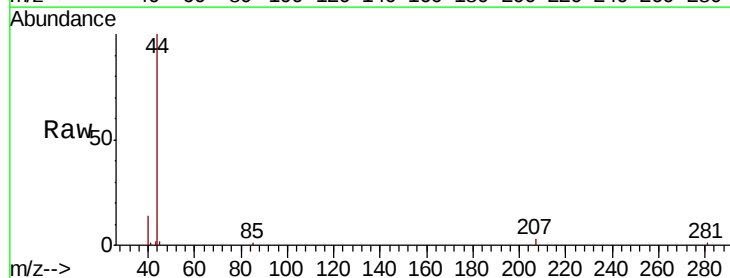
Acq: 27 Sep 2018 05:19

Tgt Ion: 85 Resp: 20

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

2.00

60

50

40

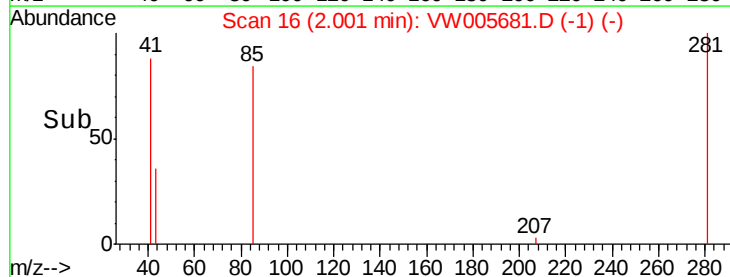
30

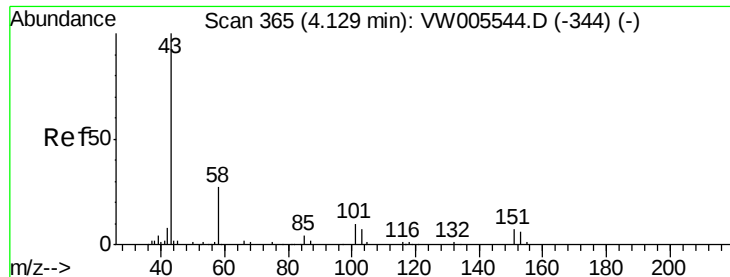
20

10

0

Time--> 1.98 1.99 2.00 2.01 2.02





#16

Acetone

Concen: 1.197 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Instrument :

MSVOA_W

ClientSampleId :

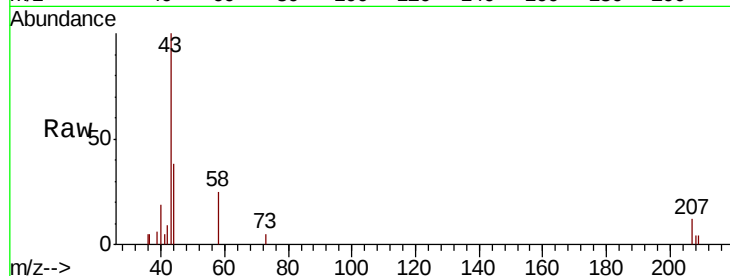
VW092618SBL02

Tgt Ion: 43 Resp: 4145

Ion Ratio Lower Upper

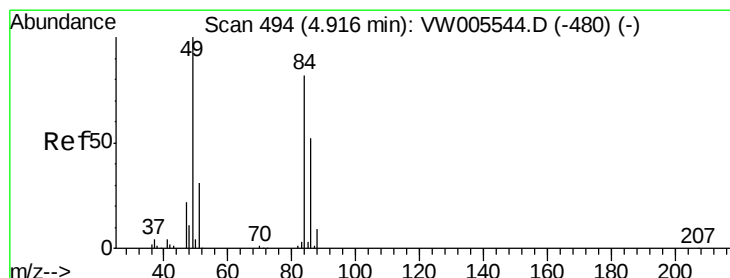
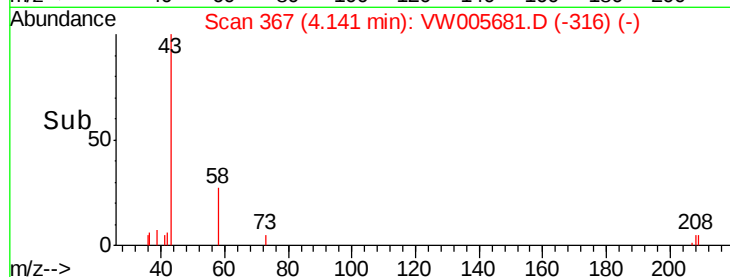
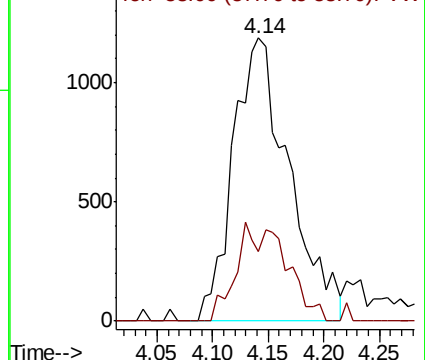
43 100

58 24.8 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.281 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Tgt Ion: 84 Resp: 13297

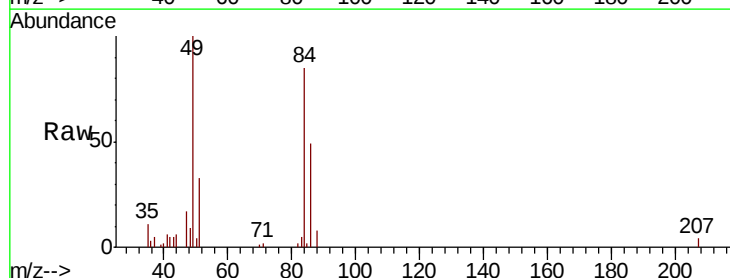
Ion Ratio Lower Upper

84 100

49 117.5 97.0 145.6

51 38.2 30.2 45.2

86 57.5 50.2 75.4

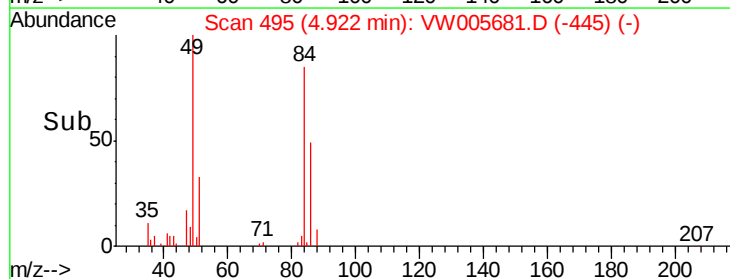
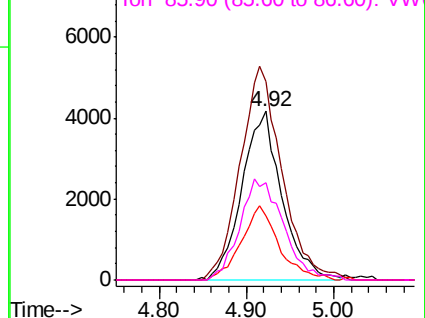


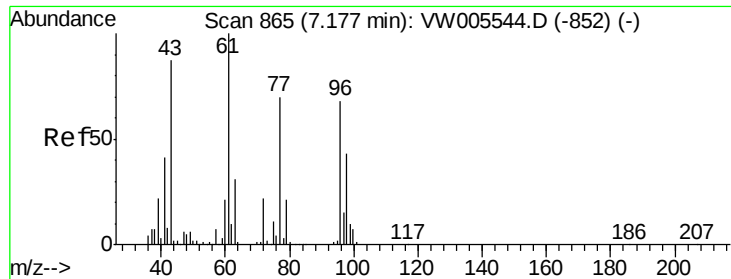
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 5.222 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Instrument :

MSVOA_W

ClientSampleId :

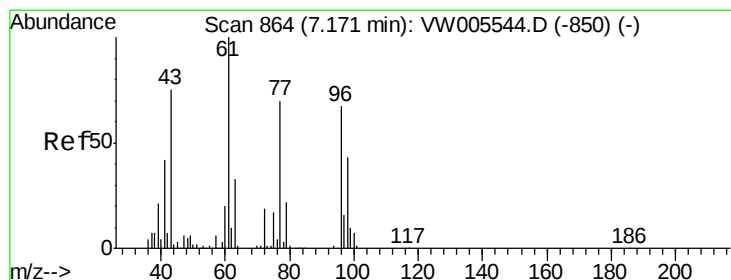
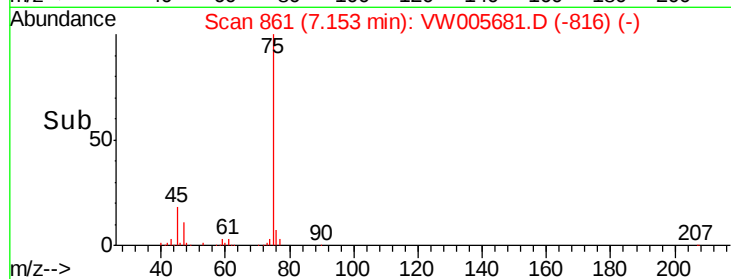
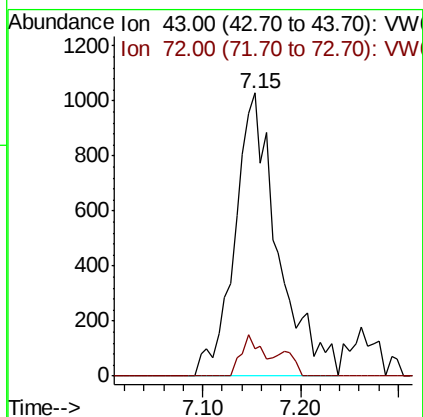
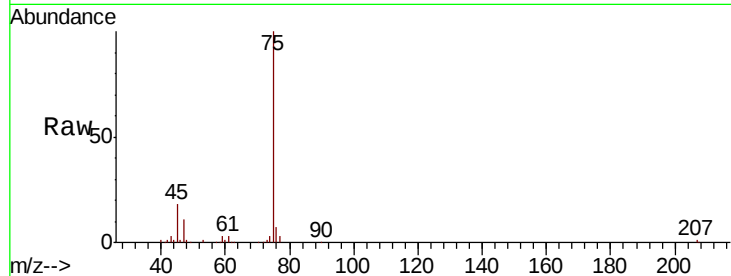
VW092618SBL02

Tgt Ion: 43 Resp: 3158

Ion Ratio Lower Upper

43 100

72 9.5 19.9 29.9#



#26

2,2-Dichloropropane

Concen: 1.238 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW005681.D

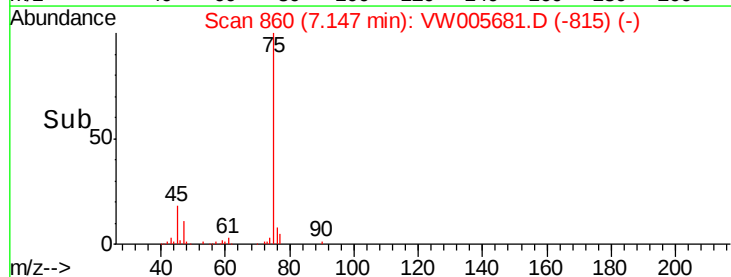
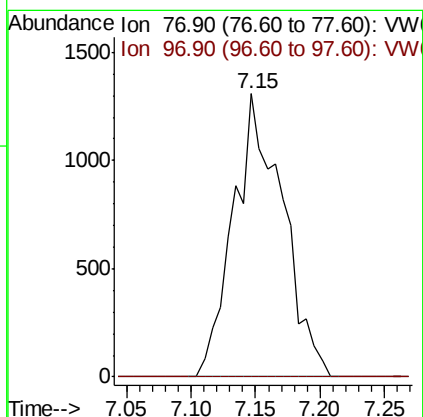
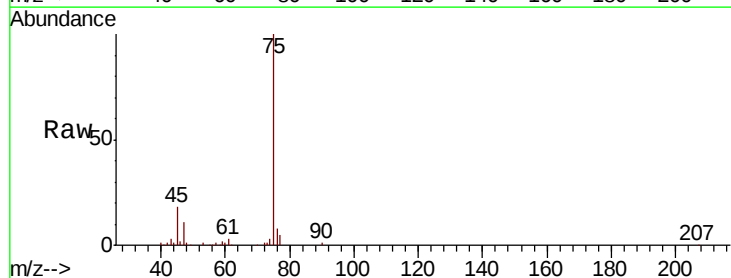
Acq: 27 Sep 2018 05:19

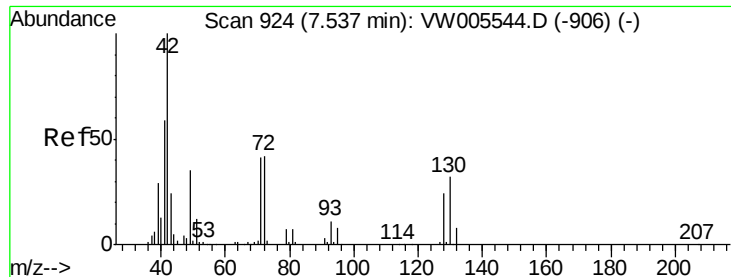
Tgt Ion: 77 Resp: 3484

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

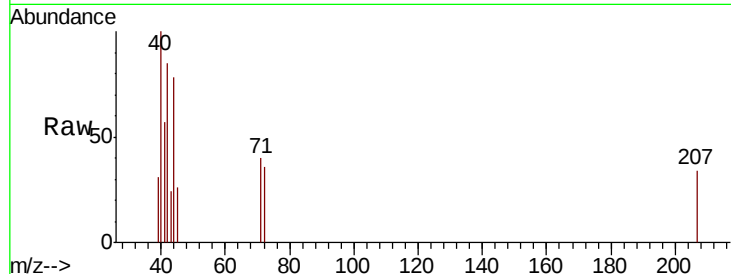




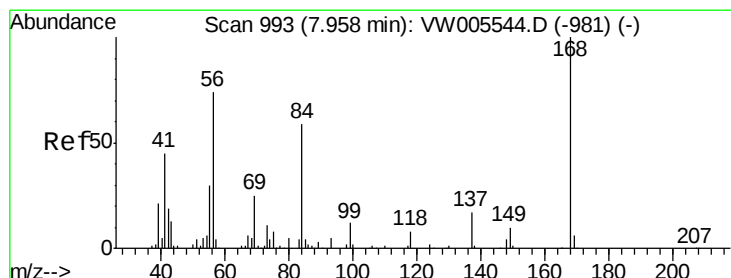
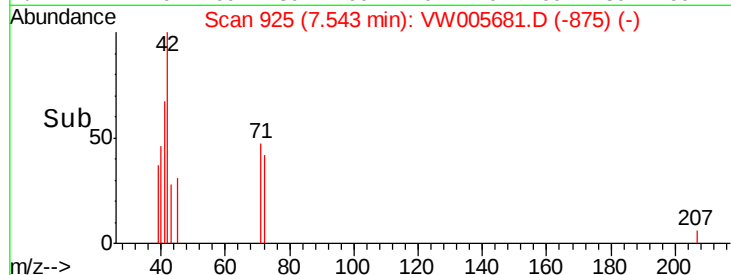
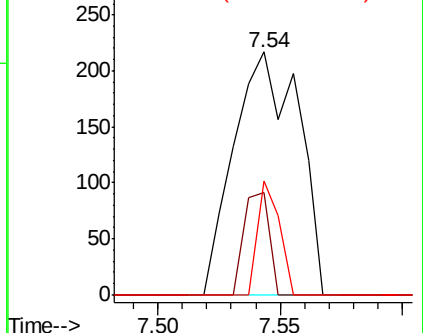
#29
Tetrahydrofuran
Concen: 1.051 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005681.D
Acq: 27 Sep 2018 05:19

Instrument :
MSVOA_W
ClientSampleId :
VW092618SBL02

Tgt Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 16.4 33.6 50.4#
71 15.9 31.8 47.6#

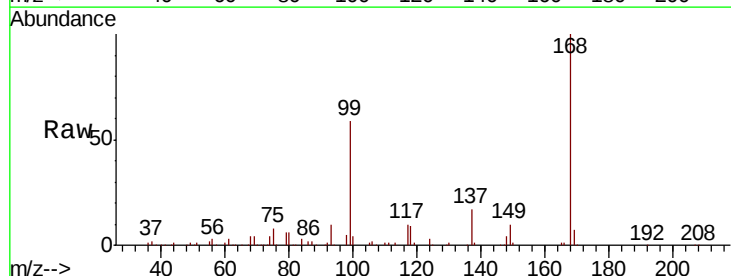


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

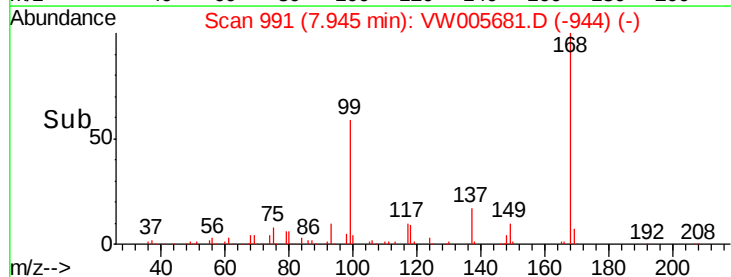
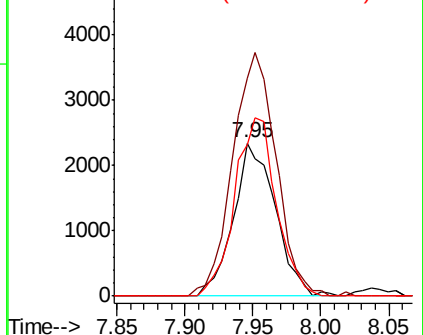


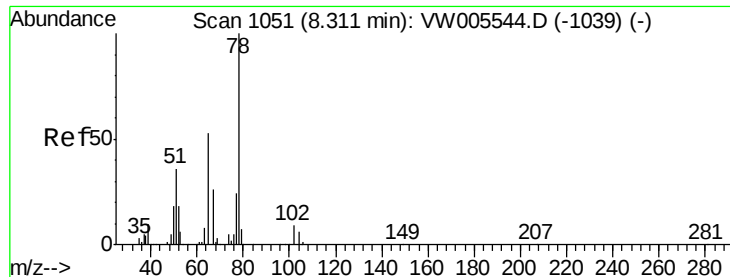
#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW005681.D
Acq: 27 Sep 2018 05:19

Tgt Ion: 56 Resp: 5061
Ion Ratio Lower Upper
56 100
69 145.4 27.0 40.4#
84 98.9 64.2 96.4#



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

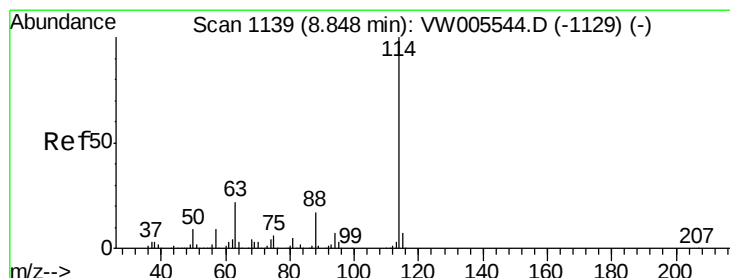
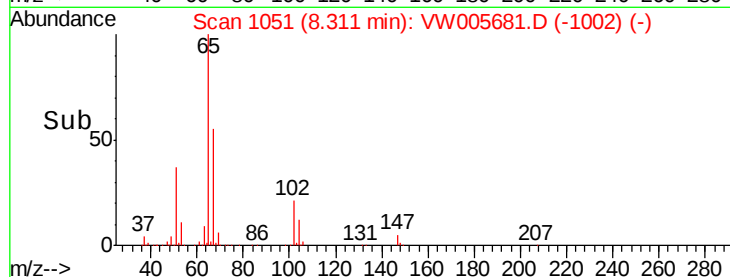
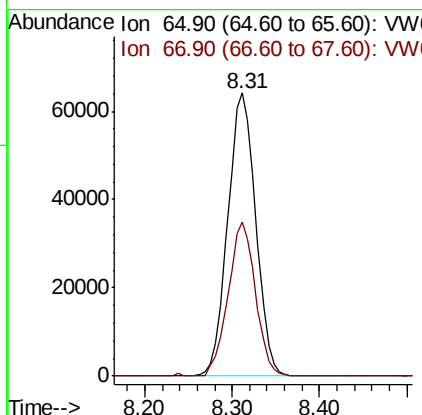
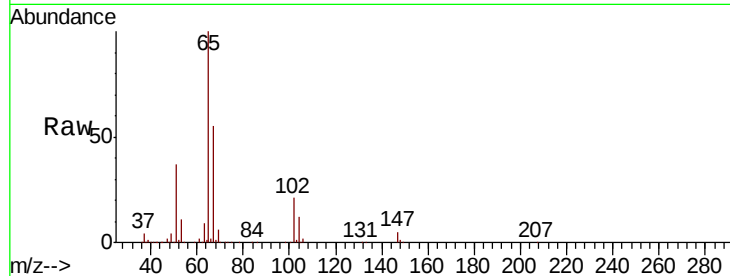




#33
 1,2-Dichloroethane-d4
 Concen: 57.343 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005681.D
 Acq: 27 Sep 2018 05:19

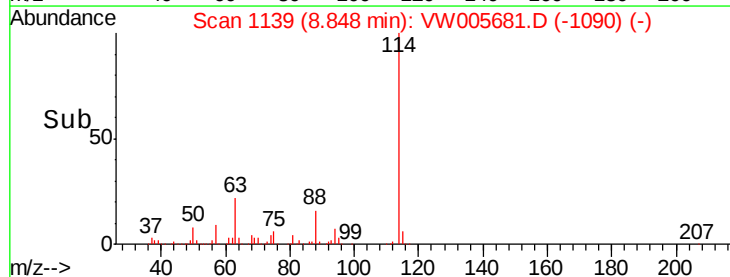
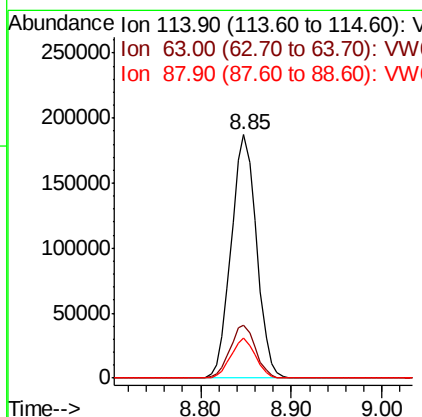
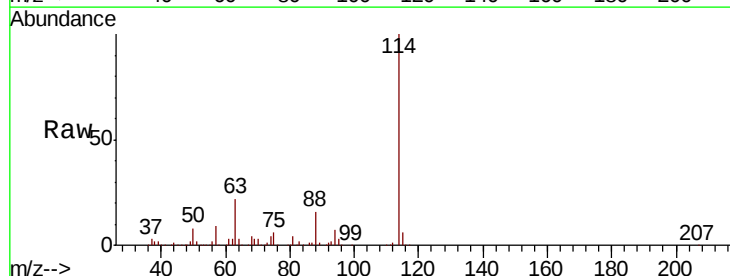
Instrument :
 MSVOA_W
 ClientSampleId :
 VW092618SBL02

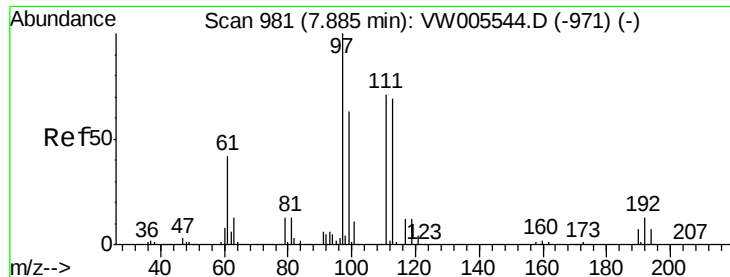
Tgt Ion: 65 Resp: 142792
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005681.D
 Acq: 27 Sep 2018 05:19

Tgt Ion: 114 Resp: 363589
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.440 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Instrument :

MSVOA_W

ClientSampleId :

VW092618SBL02

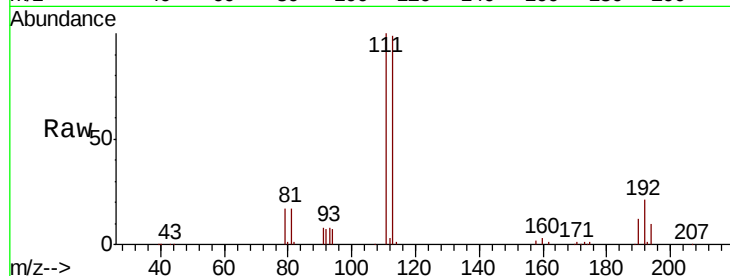
Tgt Ion:113 Resp: 122189

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

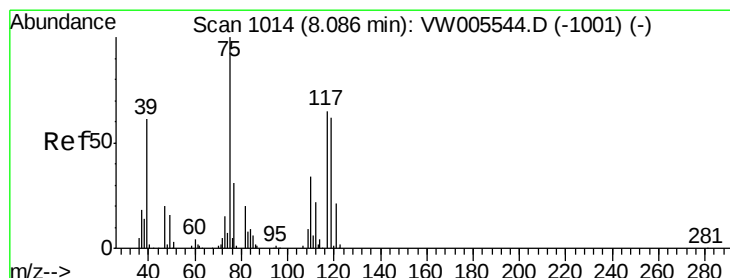
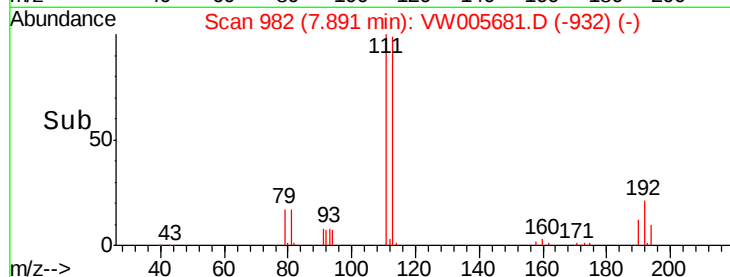
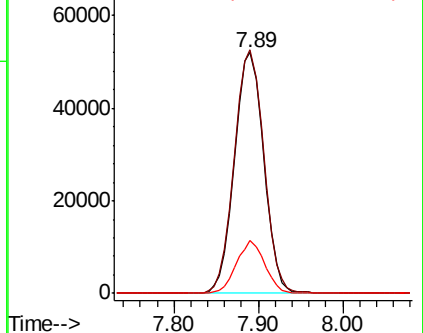
192 21.0 17.0 25.4



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: 4.544 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

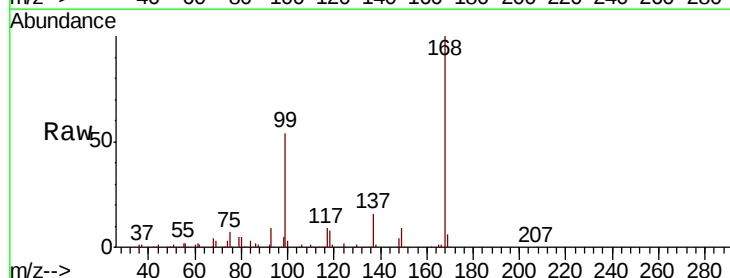
Tgt Ion: 75 Resp: 16632

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

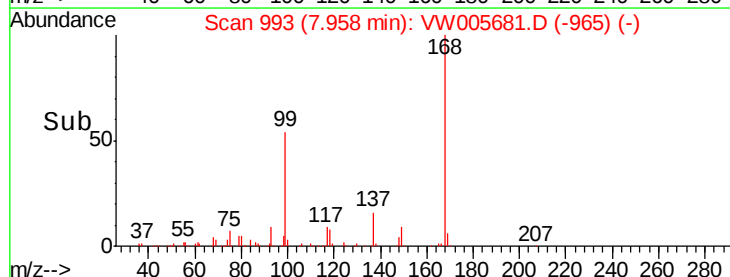
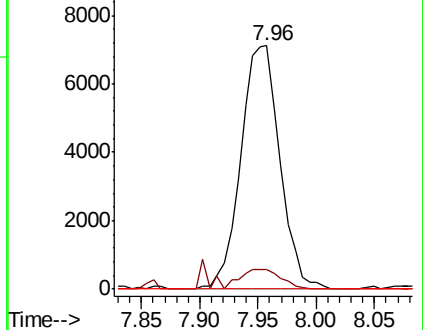
77 0.0 24.8 37.2#

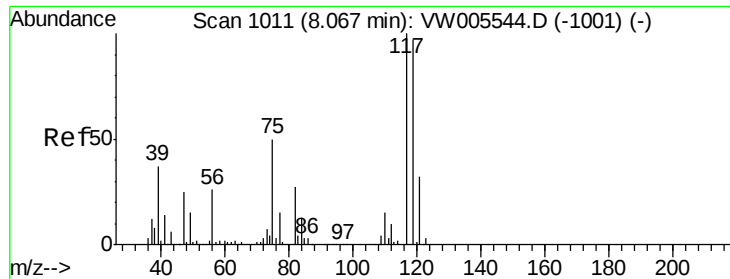


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.221 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Instrument :

MSVOA_W

ClientSampleId :

VW092618SBL02

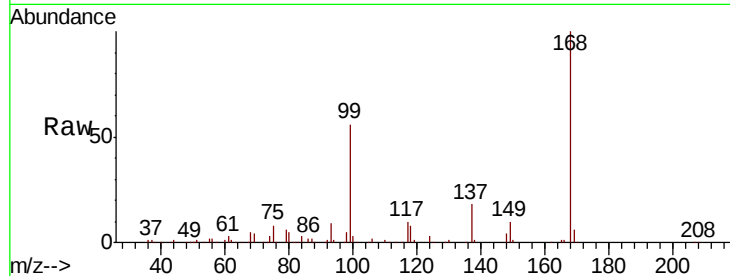
Tgt Ion:117 Resp: 20476

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

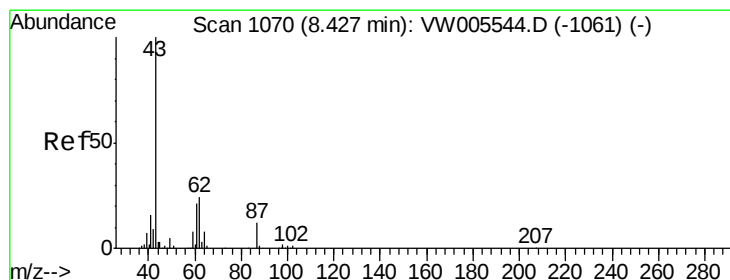
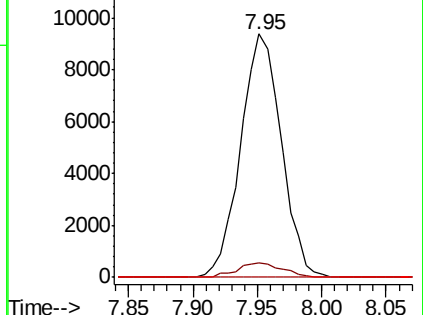
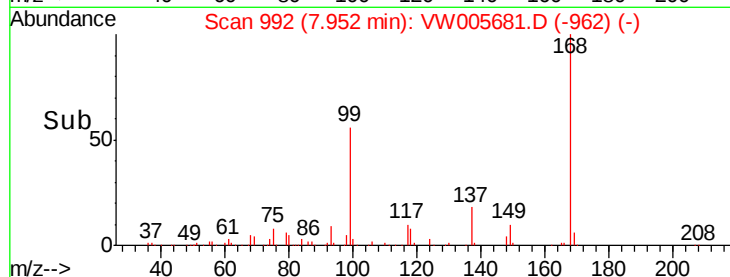
121 0.0 25.7 38.5#



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



#43

Isopropyl Acetate

Concen: 3.020 ug/l

RT: 8.26 min Scan# 1043

Delta R.T. -0.16 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

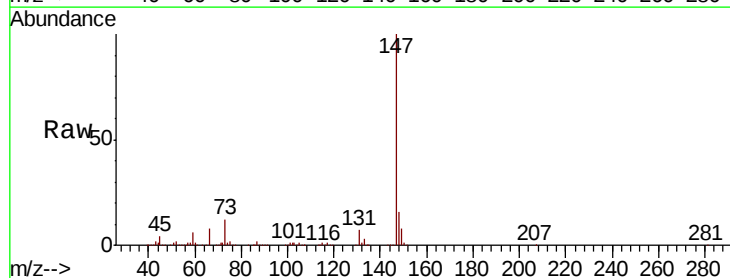
Tgt Ion: 43 Resp: 9145

Ion Ratio Lower Upper

43 100

61 17.5 24.1 36.1#

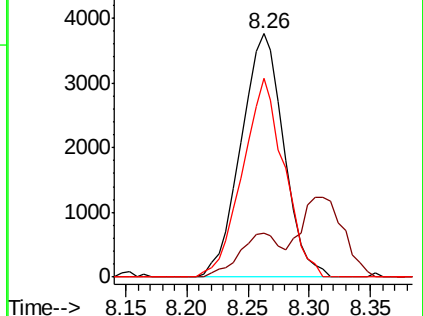
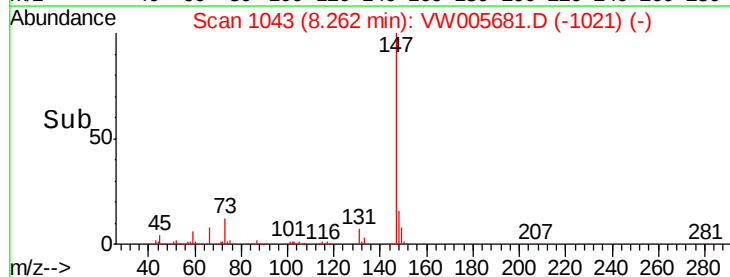
87 79.6 9.8 14.8#

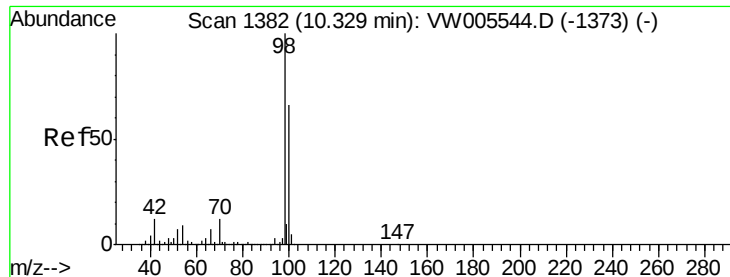


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#50

Toluene-d8

Concen: 50.084 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Instrument :

MSVOA_W

ClientSampleId :

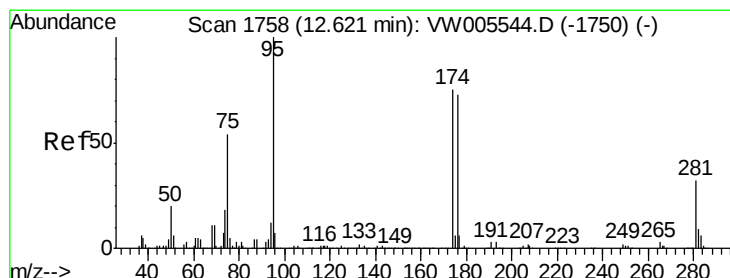
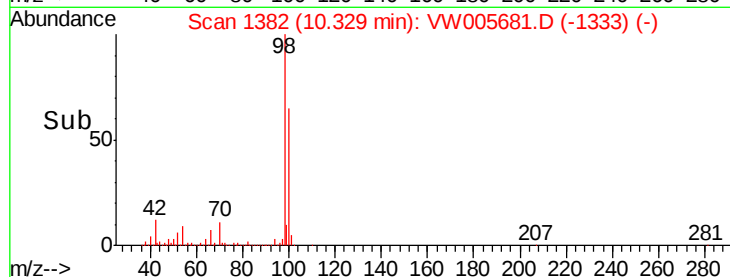
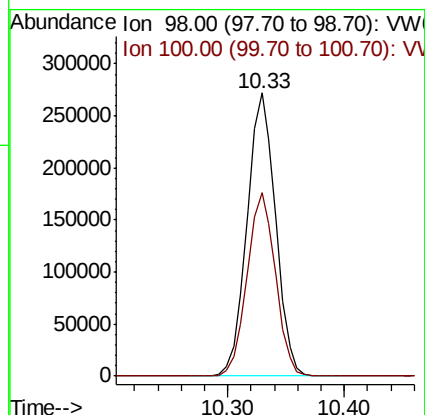
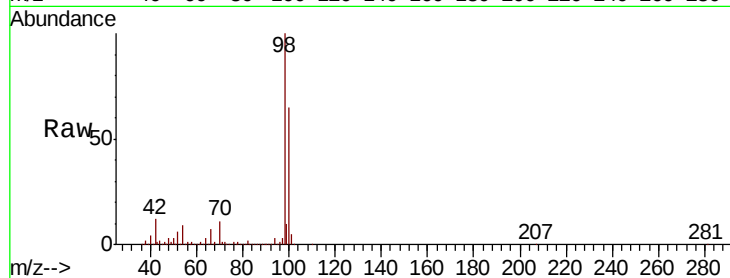
VW092618SBL02

Tgt Ion: 98 Resp: 466287

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 49.166 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

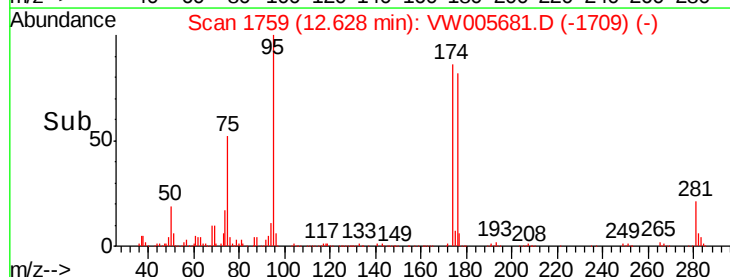
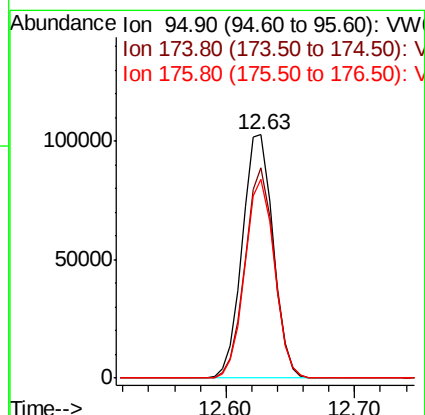
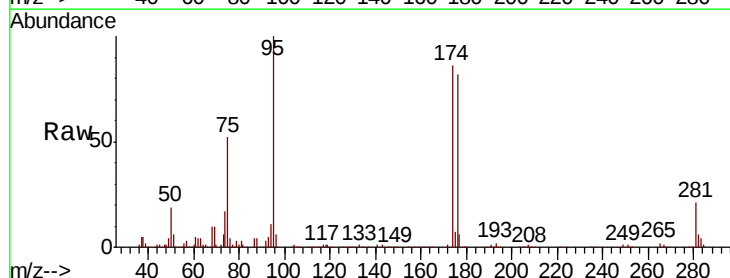
Tgt Ion: 95 Resp: 169374

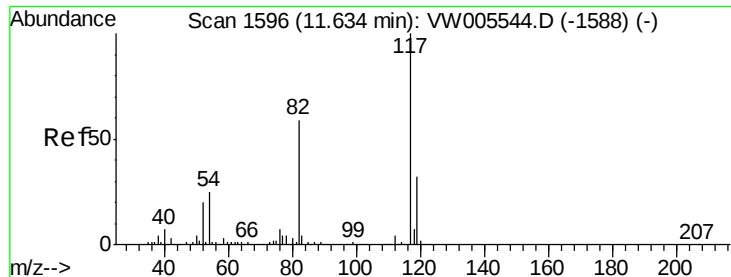
Ion Ratio Lower Upper

95 100

174 82.0 0.0 163.8

176 78.5 0.0 158.0

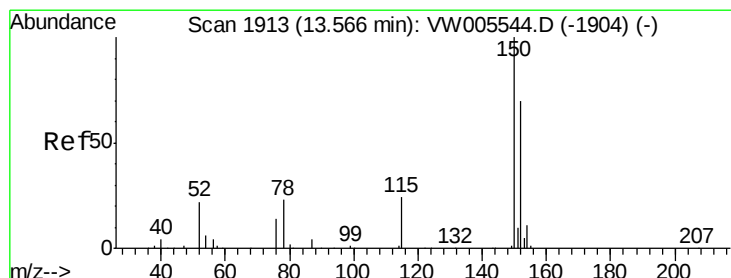
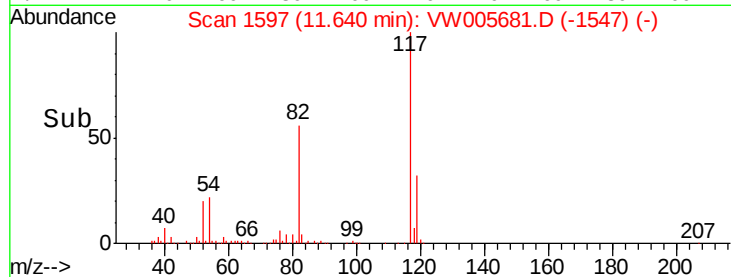
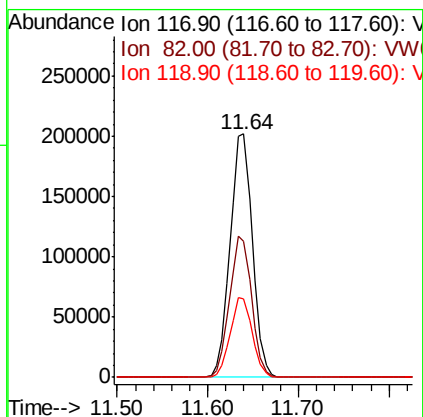
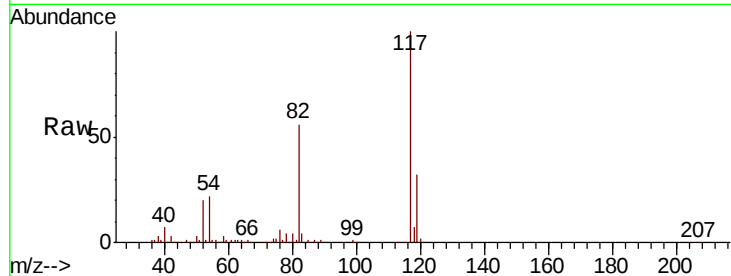




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005681.D
Acq: 27 Sep 2018 05:19

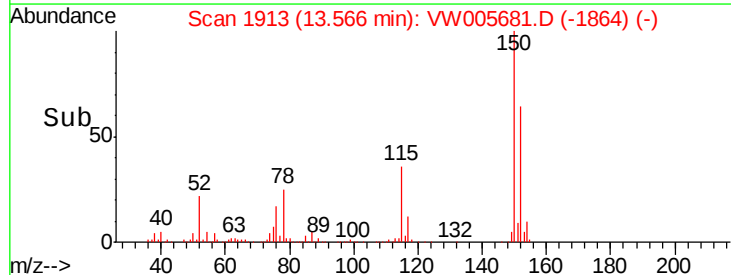
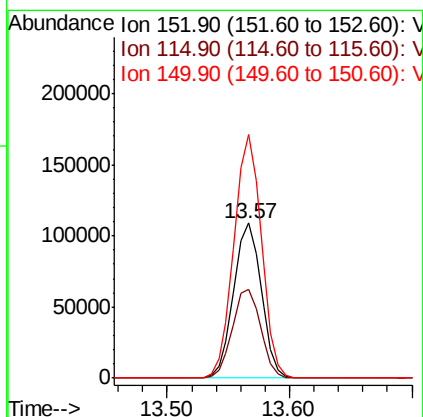
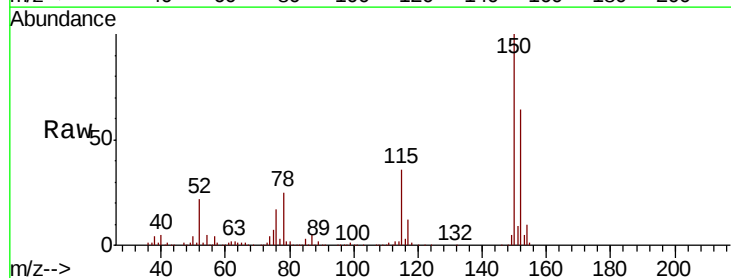
Instrument :
MSVOA_W
ClientSampleId :
VW092618SBL02

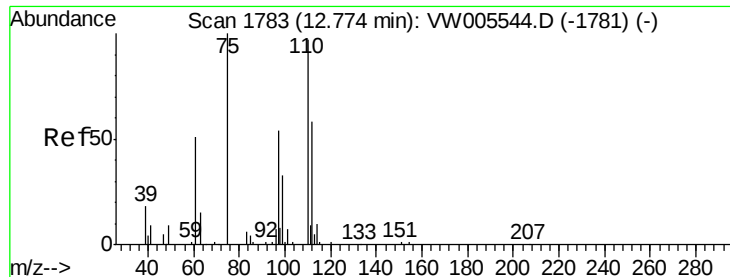
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.9	70.3
119	32.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005681.D
Acq: 27 Sep 2018 05:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.0	90.0
150	155.5	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 60.091 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

Instrument :

MSVOA_W

ClientSampleId :

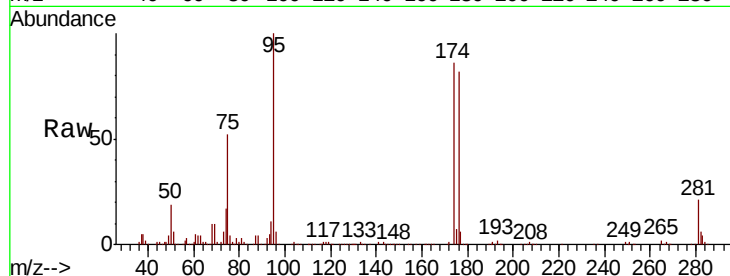
VW092618SBL02

Tgt Ion: 75 Resp: 87541

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

12.63

60000

50000

40000

30000

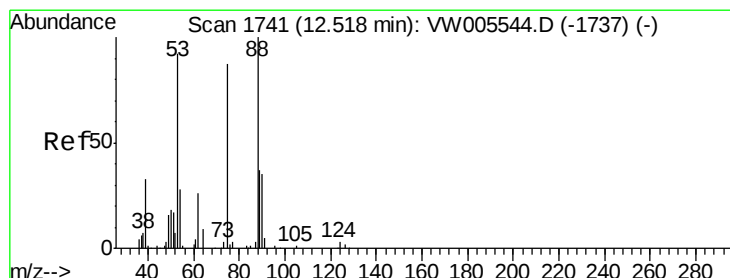
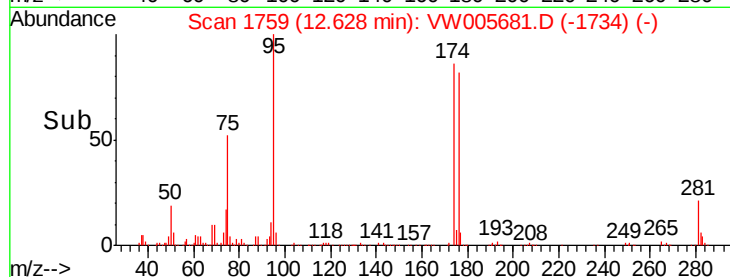
20000

10000

0

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 135.344 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005681.D

Acq: 27 Sep 2018 05:19

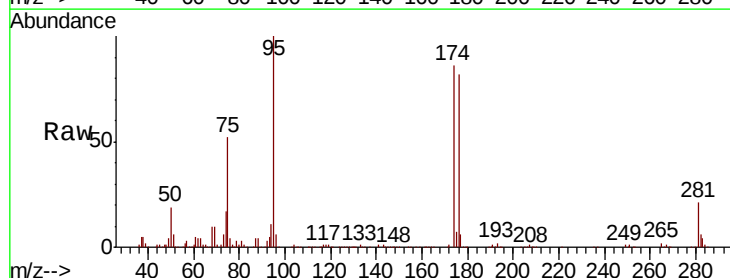
Tgt Ion: 75 Resp: 87541

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.2 37.3 55.9#



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

12.63

60000

40000

20000

0

12.60 12.70

Time-->

