

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006204.D
 Acq On : 19 Oct 2018 05:38
 Operator : VA/AP
 Sample : J5565-04RE
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5RE

Quant Time: Oct 19 07:58:33 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	149664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	220320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	150504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43945	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	80499	64.88	ug/l	0.00
Spiked Amount	50.000			Recovery	=	129.76%	
35) Dibromofluoromethane		7.88	113	67202	51.62	ug/l	0.00
Spiked Amount	50.000			Recovery	=	103.24%	
50) Toluene-d8		10.32	98	215145	43.44	ug/l	0.00
Spiked Amount	50.000			Recovery	=	86.88%	
62) 4-Bromofluorobenzene		12.62	95	55561	29.87	ug/l	0.00
Spiked Amount	50.000			Recovery	=	59.74%	

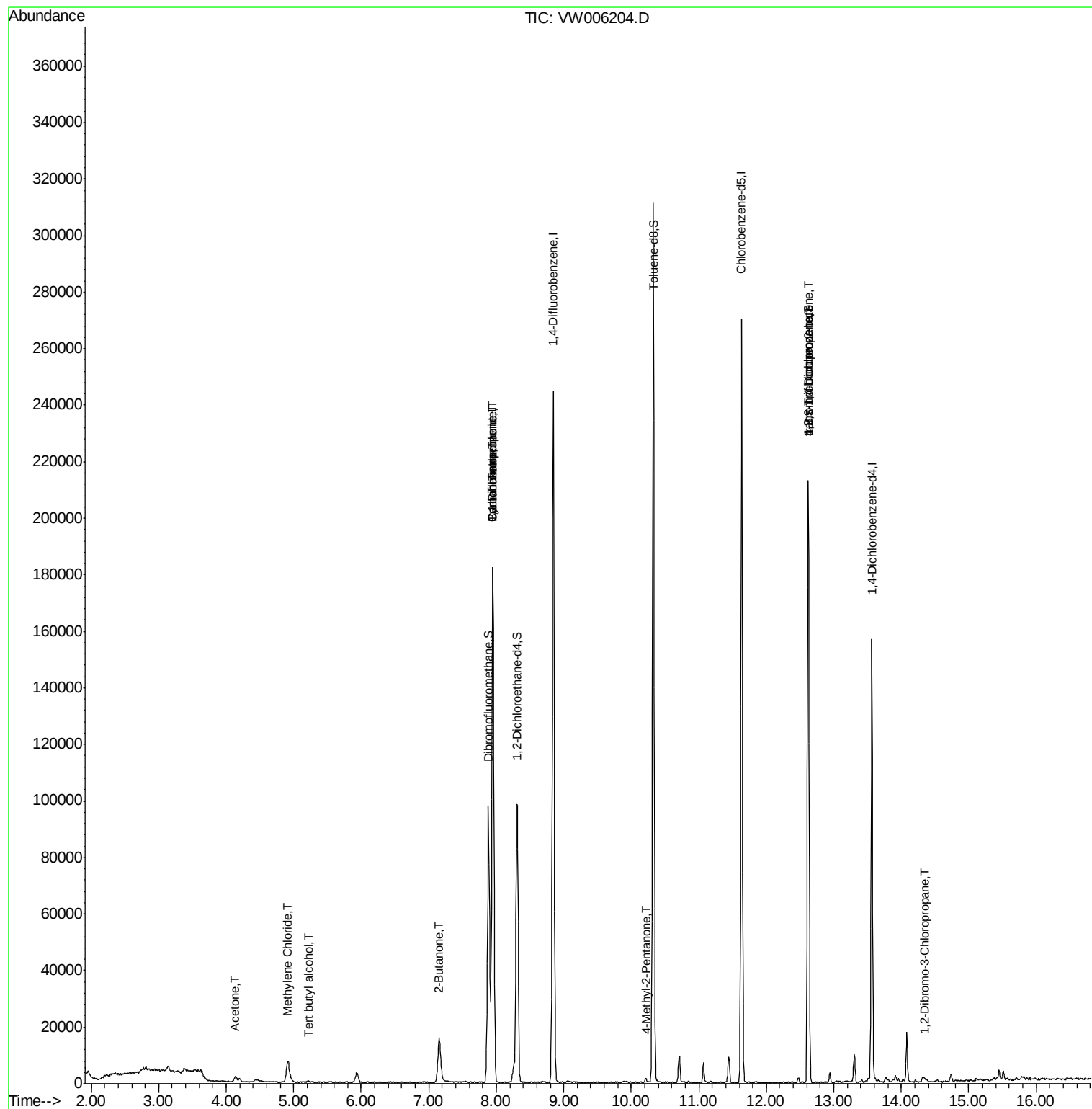
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	190	2.277	ug/l #	71
16) Acetone	4.14	43	3816	1.689	ug/l	90
20) Methylene Chloride	4.91	84	6579	3.497	ug/l	94
25) 2-Butanone	7.16	43	1003	2.992	ug/l #	46
31) Cyclohexane	7.95	56	2845	1.253	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	9932	4.891	ug/l #	48
38) Carbon Tetrachloride	7.95	117	13248	5.951	ug/l #	16
51) 4-Methyl-2-Pentanone	10.22	43	1059	1.370	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	28390	84.581	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28390	202.183	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.35	75	140	1.656	ug/l #	1

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

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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: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

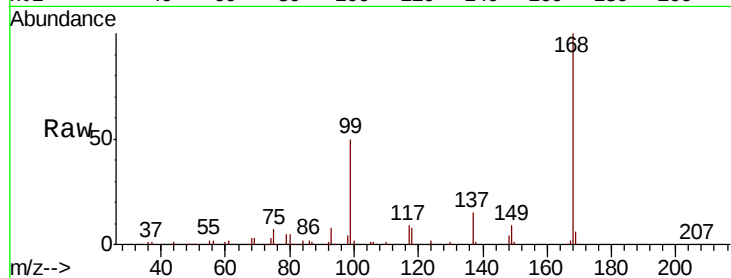
RLF-SD-5RE

Tot Ion:168 Resp: 149664

Ion Ratio Lower Upper

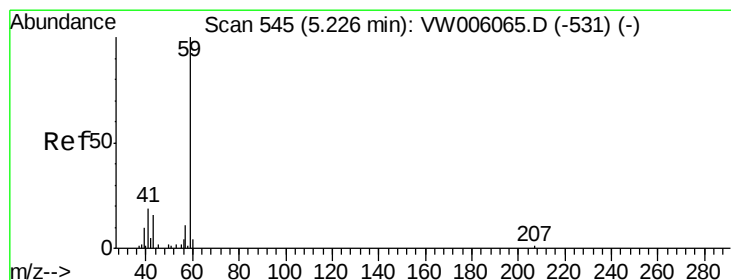
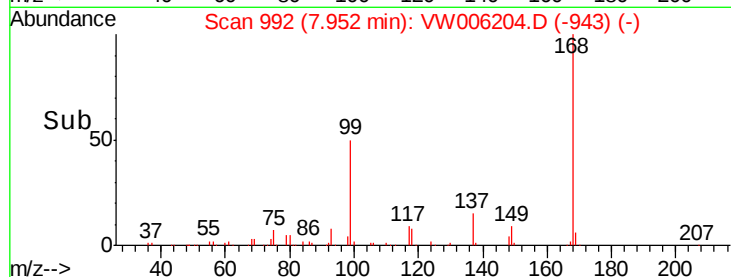
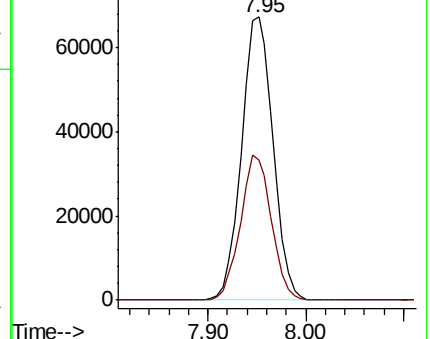
168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.277 ug/l

RT: 5.22 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW006204.D

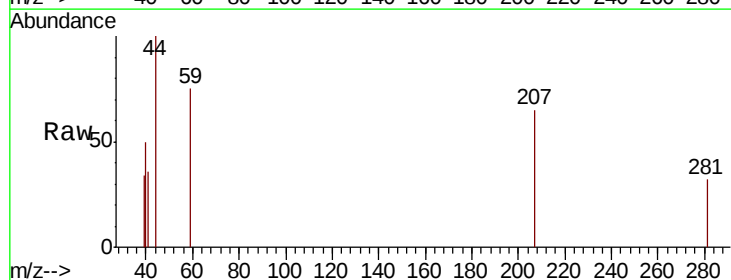
Acq: 19 Oct 2018 05:38

Tgt Ion: 59 Resp: 190

Ion Ratio Lower Upper

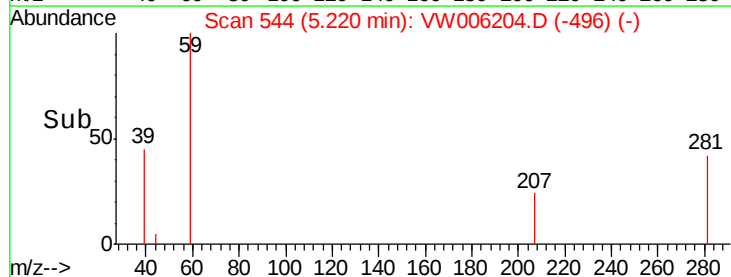
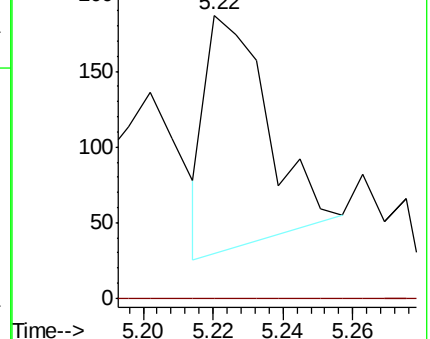
59 100

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





#16

Acetone

Concen: 1.689 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

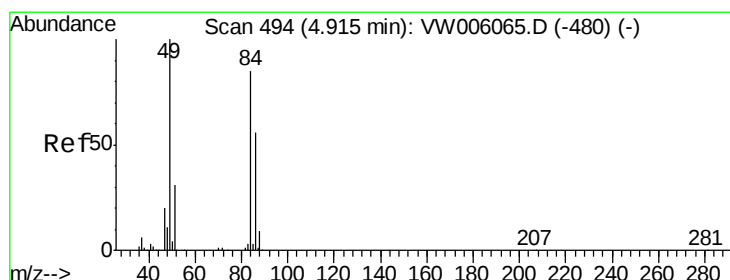
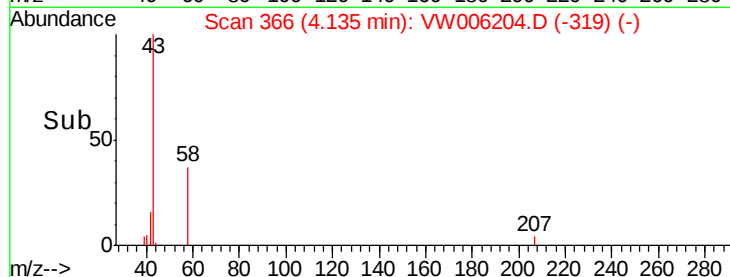
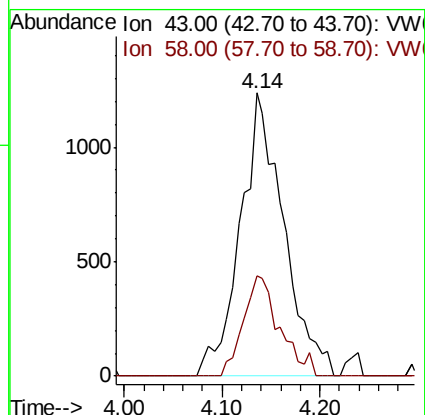
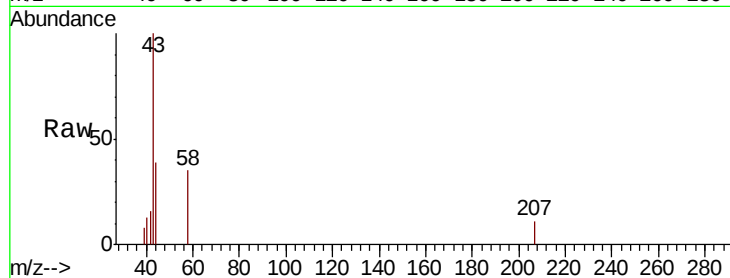
RLF-SD-5RE

Tot Ion: 43 Resp: 3816

Ion Ratio Lower Upper

43 100

58 35.5 24.0 36.0



#20

Methylene Chloride

Concen: 3.497 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Tgt Ion: 84 Resp: 6579

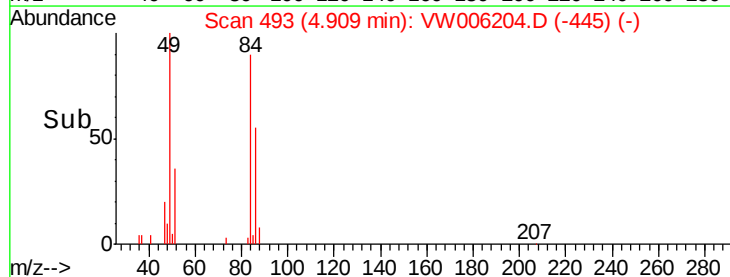
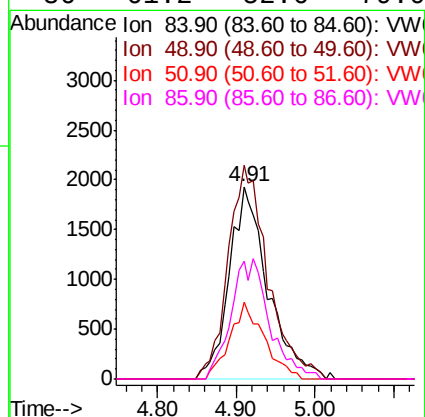
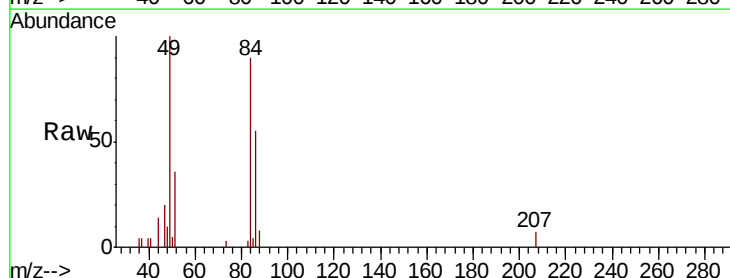
Ion Ratio Lower Upper

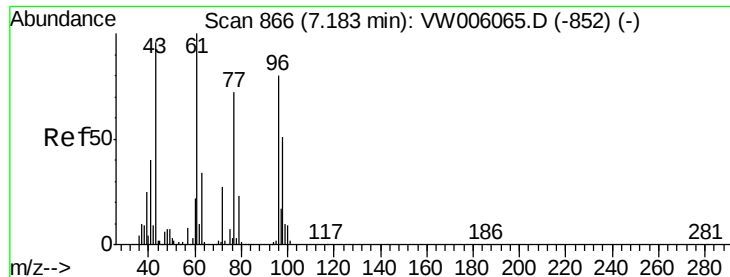
84 100

49 111.1 93.6 140.4

51 40.0 29.0 43.4

86 61.2 52.6 79.0





#25

2-Butanone

Concen: 2.992 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

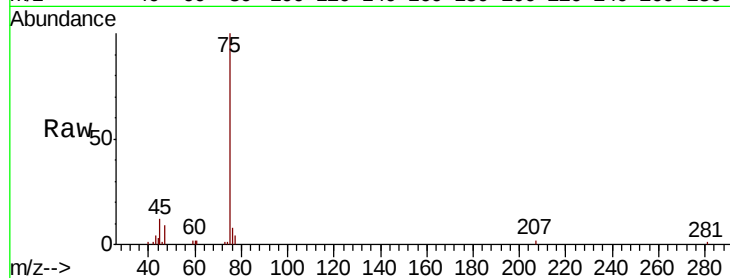
RLF-SD-5RE

Tot Ion: 43 Resp: 1003

Ion Ratio Lower Upper

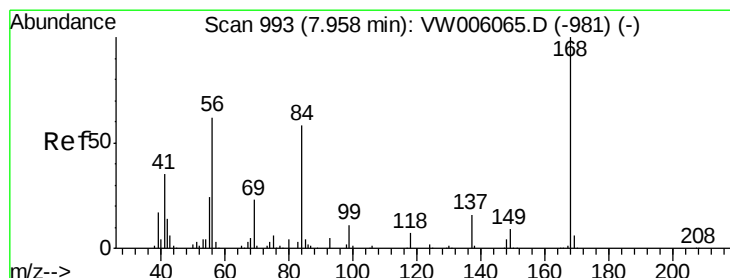
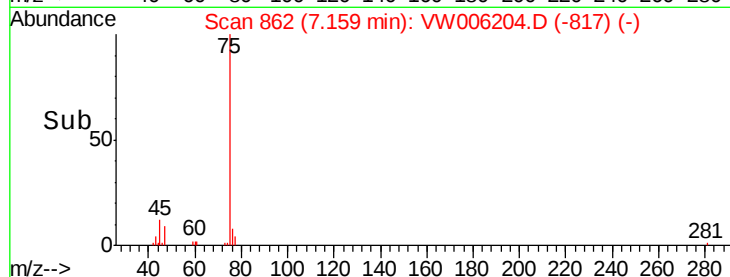
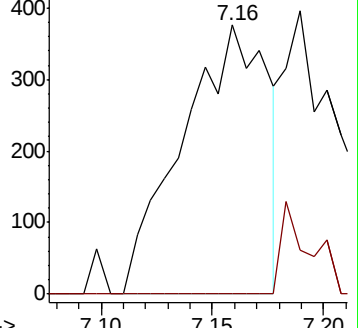
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

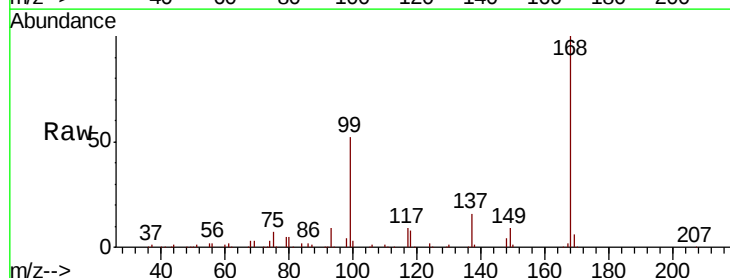
Tgt Ion: 56 Resp: 2845

Ion Ratio Lower Upper

56 100

69 146.8 29.4 44.0#

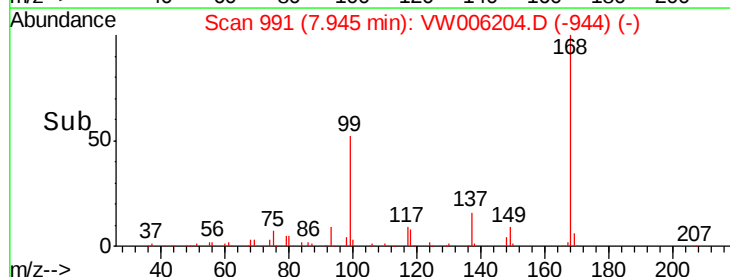
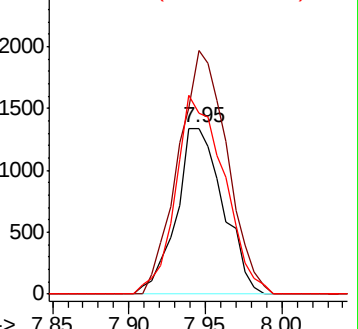
84 109.0 74.0 111.0

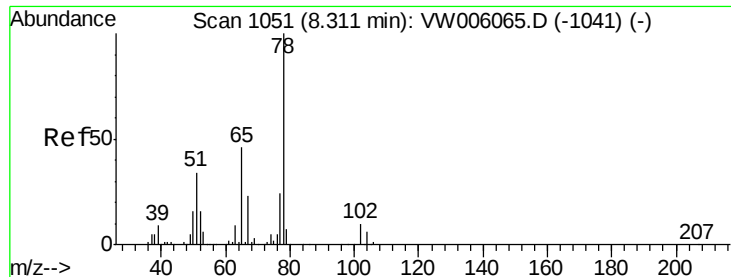


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 64.877 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

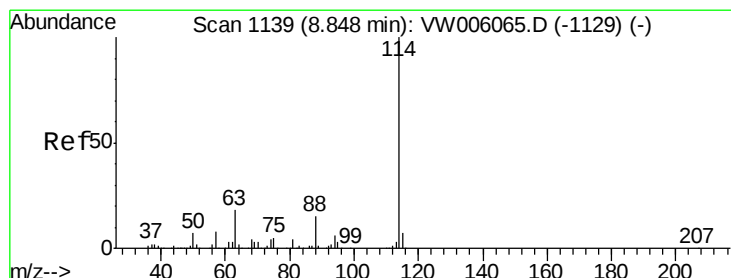
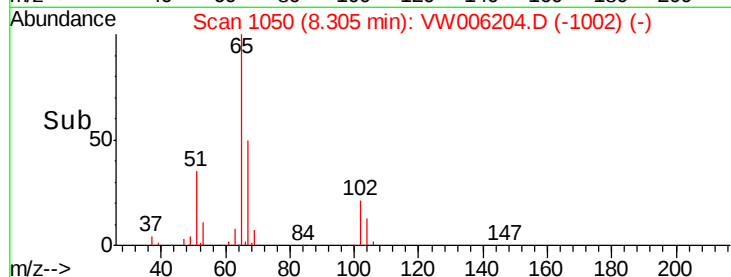
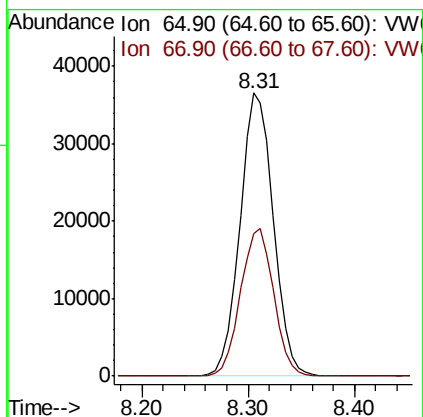
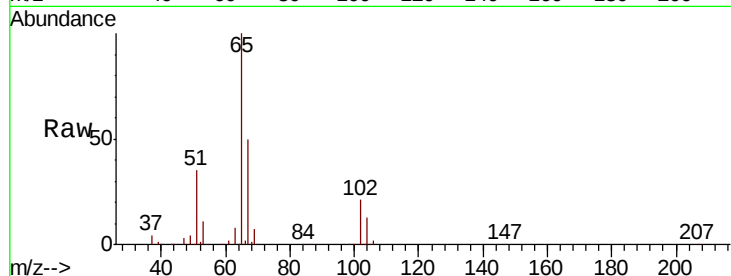
RLF-SD-5RE

Tot Ion: 65 Resp: 80499

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

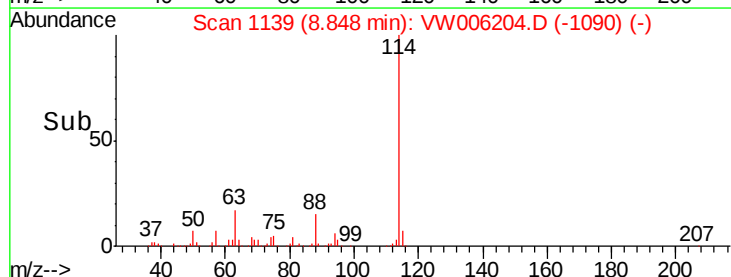
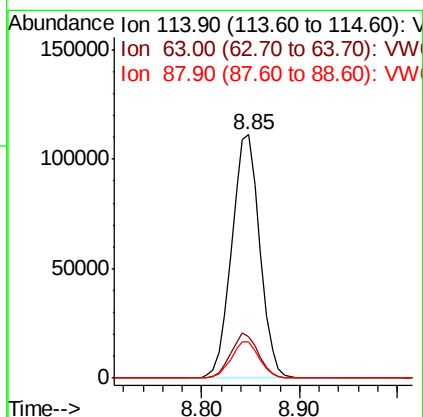
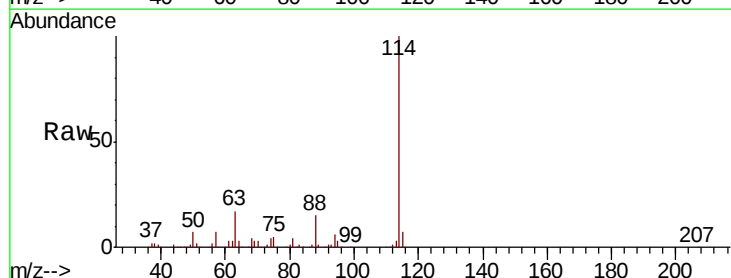
Tgt Ion: 114 Resp: 220320

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.8

88 15.0 0.0 29.0

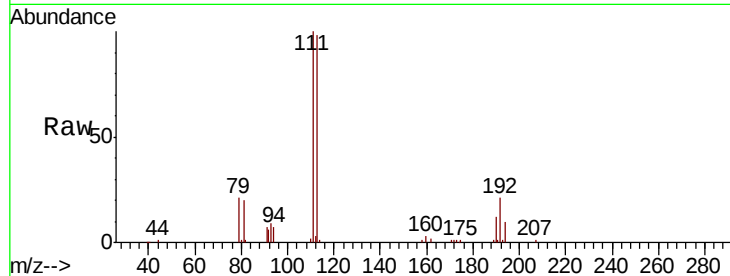




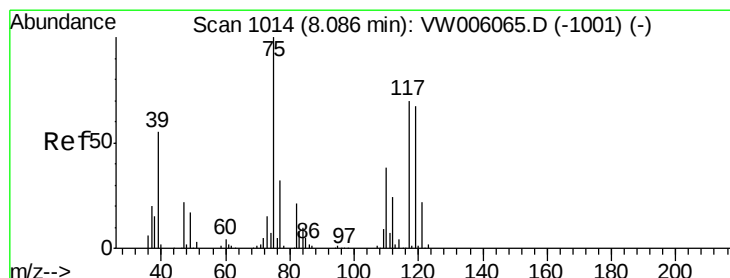
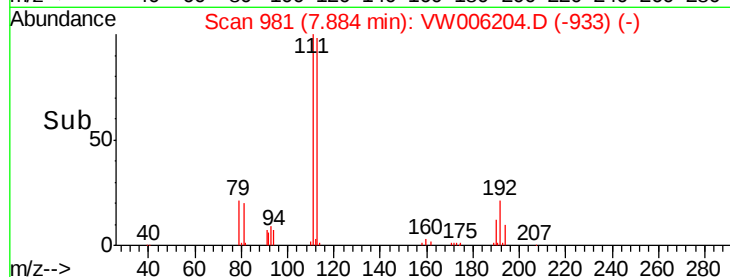
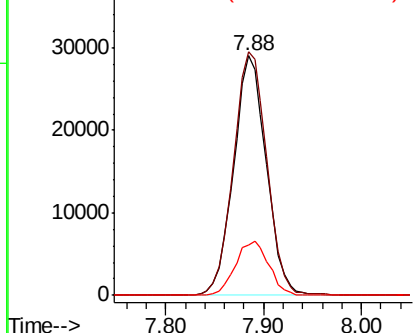
#35
 Dibromofluoromethane
 Concen: 51.620 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006204.D
 Acq: 19 Oct 2018 05:38

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5RE

Tot Ion:113 Resp: 67202
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.4 122.0
 192 22.9 18.7 28.1

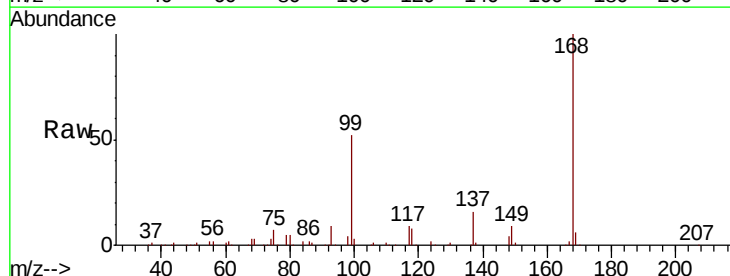


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

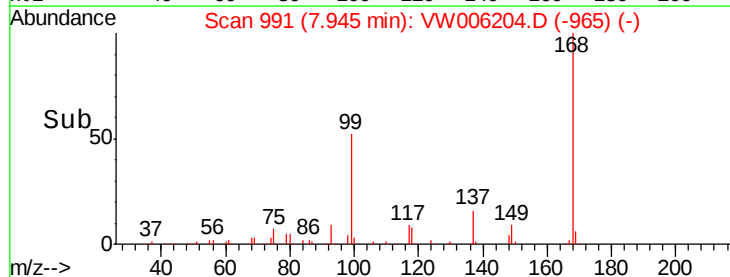
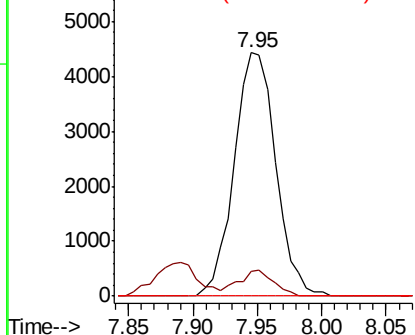


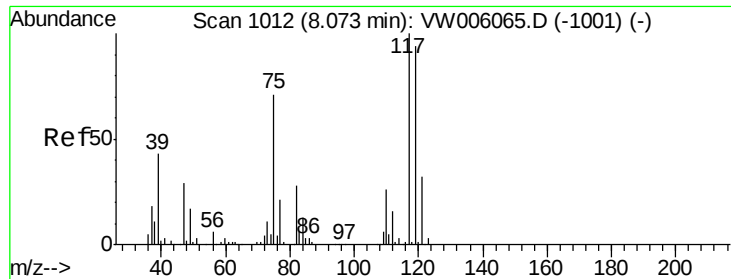
#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006204.D
 Acq: 19 Oct 2018 05:38

Tgt Ion: 75 Resp: 9932
 Ion Ratio Lower Upper
 75 100
 110 8.7 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: 5.951 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5RE

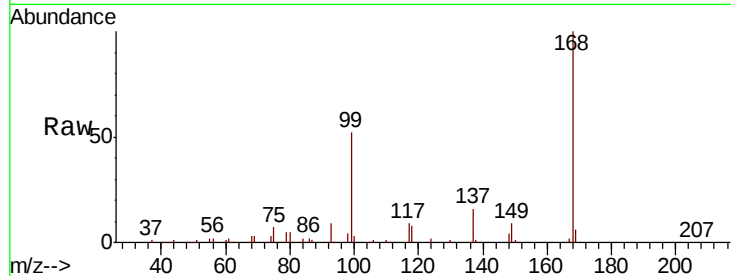
Tot Ion:117 Resp: 13248

Ion Ratio Lower Upper

117 100

119 4.2 75.2 112.8#

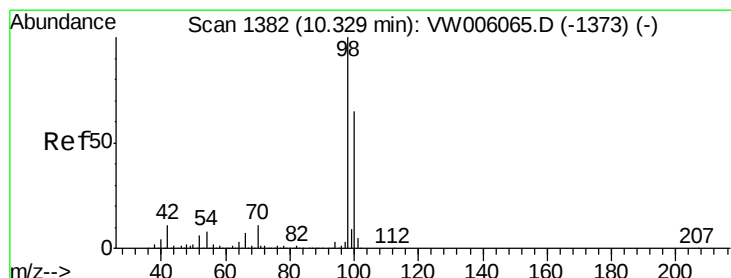
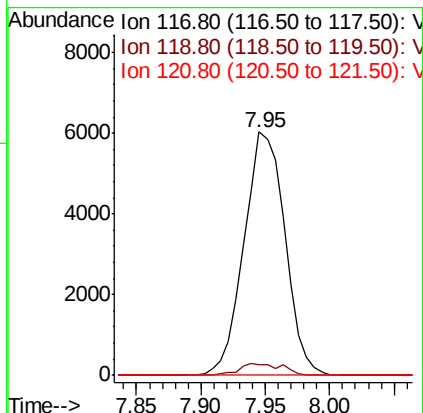
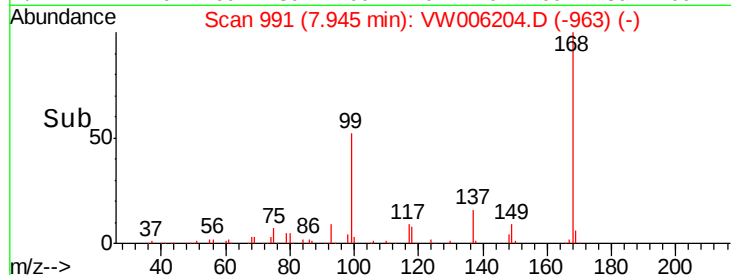
121 0.0 25.3 37.9#



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



#50

Toluene-d8

Concen: 43.438 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006204.D

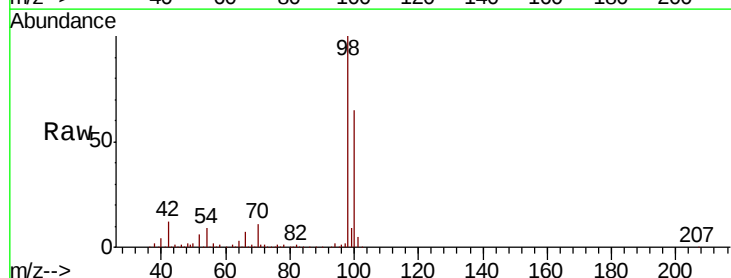
Acq: 19 Oct 2018 05:38

Tgt Ion: 98 Resp: 215145

Ion Ratio Lower Upper

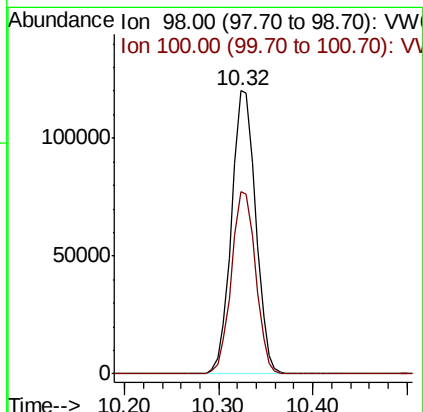
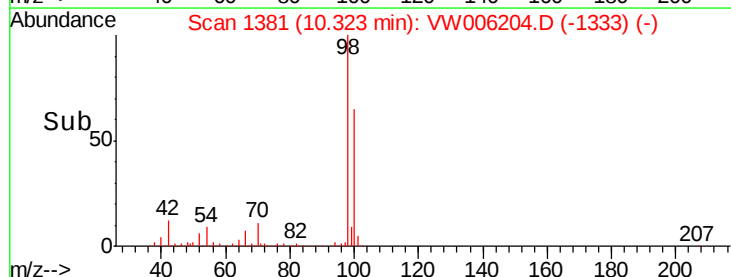
98 100

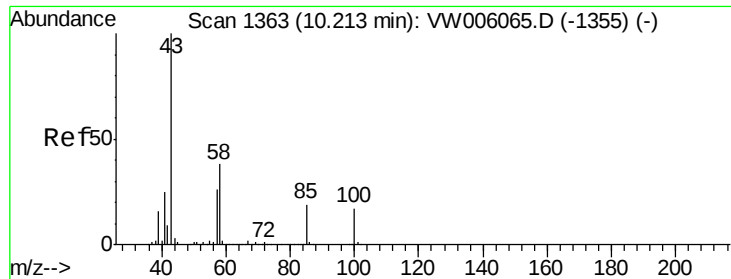
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.370 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

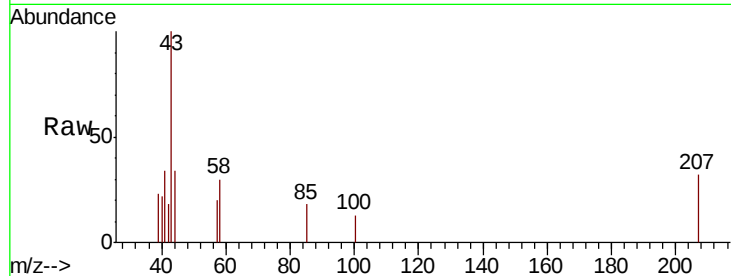
RLF-SD-5RE

Tot Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

58 33.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.22

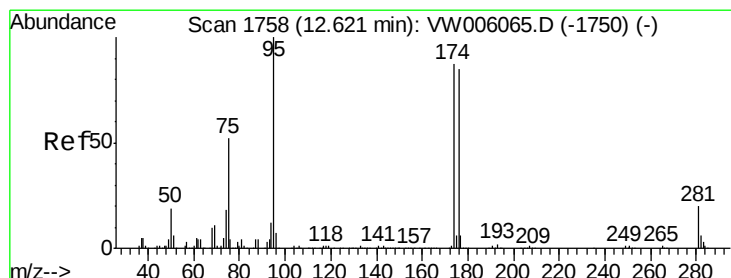
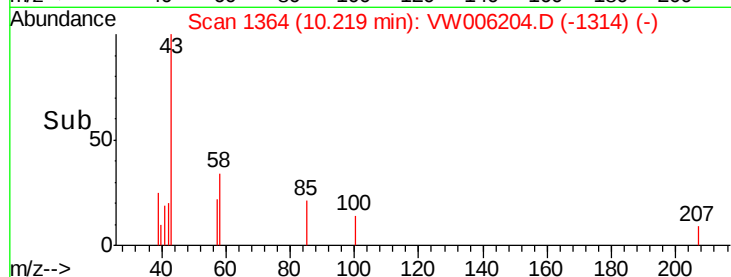
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 29.867 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

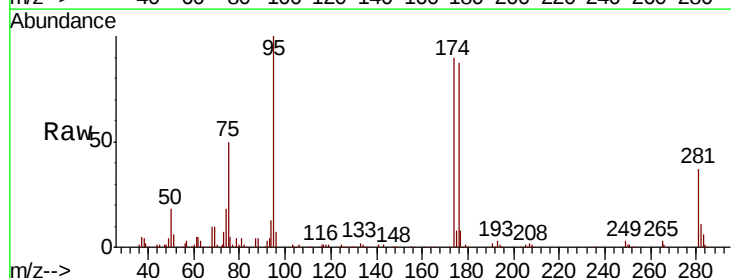
Tgt Ion: 95 Resp: 55561

Ion Ratio Lower Upper

95 100

174 95.4 0.0 186.0

176 92.2 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

12.62

40000

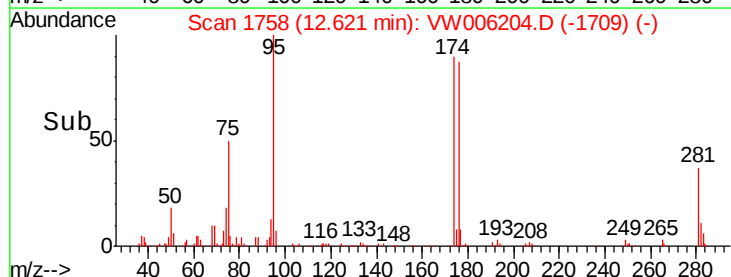
30000

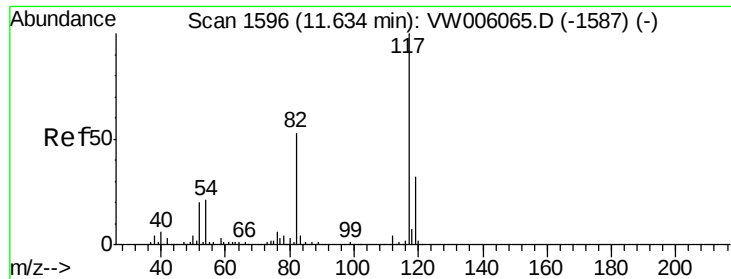
20000

10000

0

Time-->

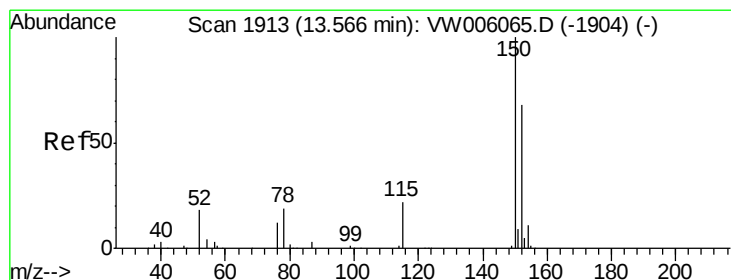
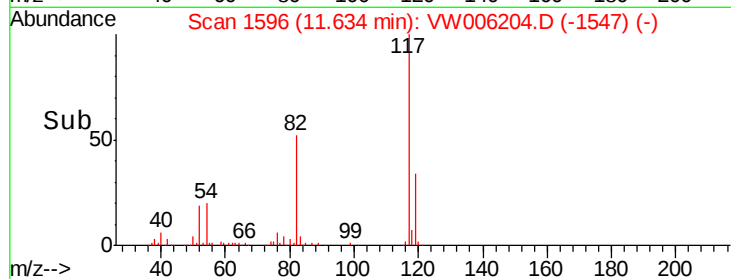
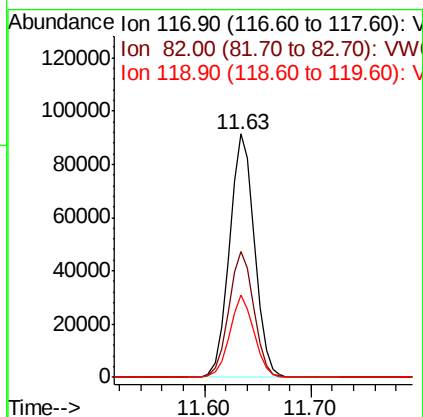
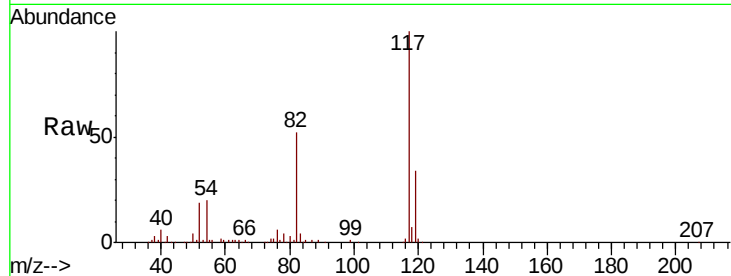




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VW006204.D
 Acq: 19 Oct 2018 05:38

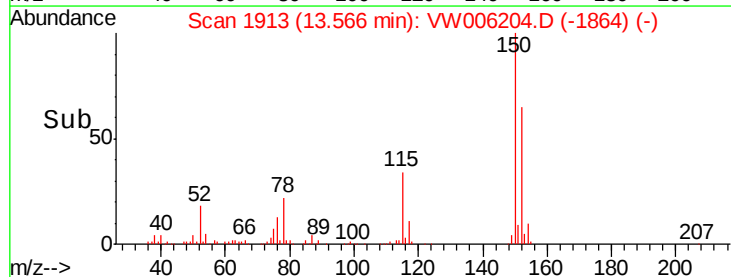
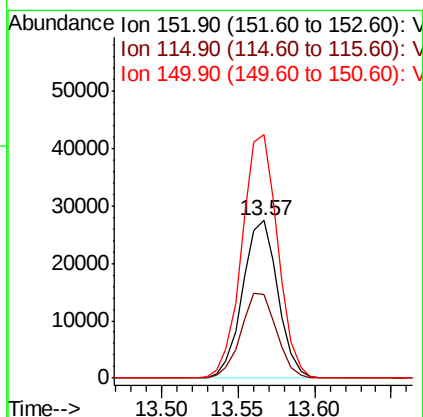
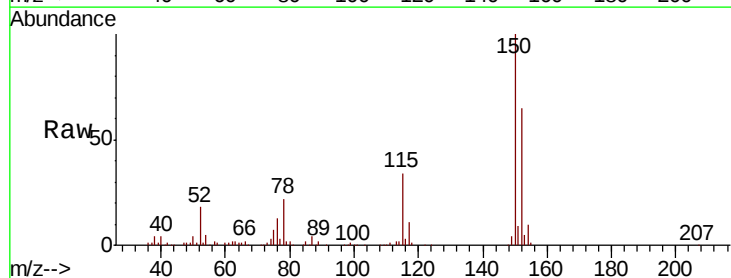
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5RE

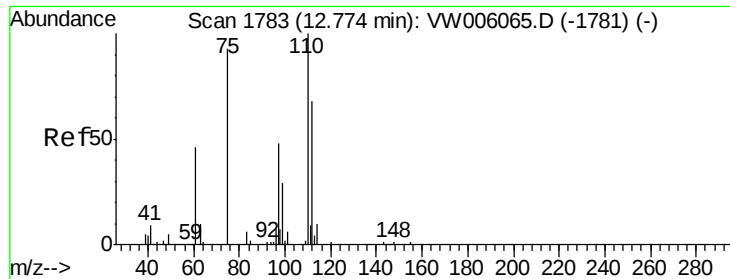
Tot Ion:117 Resp: 150504
 Ion Ratio Lower Upper
 117 100
 82 51.8 42.1 63.1
 119 34.0 25.8 38.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006204.D
 Acq: 19 Oct 2018 05:38

Tgt Ion:152 Resp: 43945
 Ion Ratio Lower Upper
 152 100
 115 54.3 27.8 83.3
 150 157.0 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 84.581 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

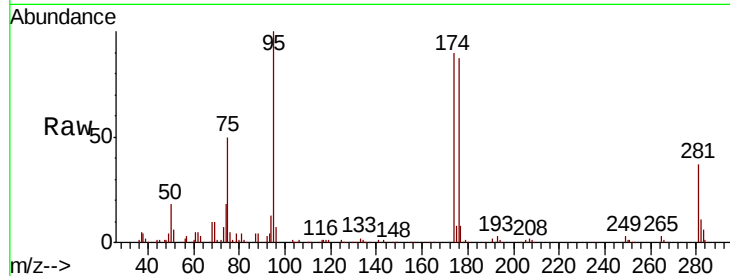
RLF-SD-5RE

Tot Ion: 75 Resp: 28390

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

20000

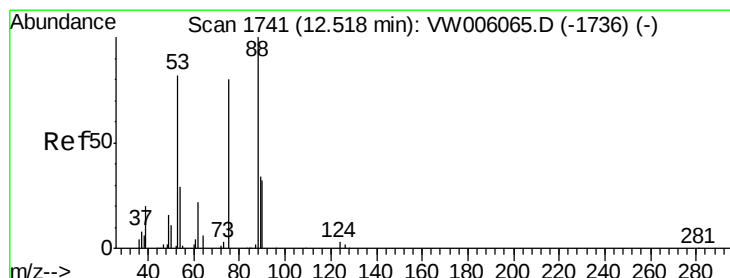
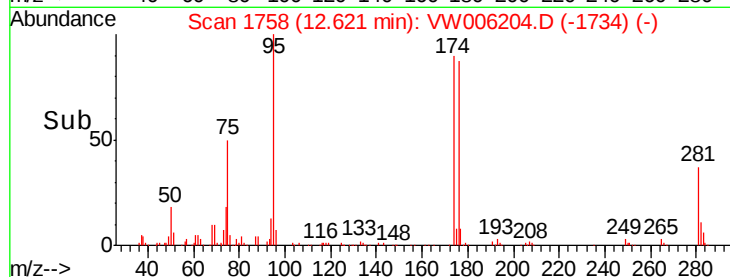
15000

10000

5000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 202.183 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

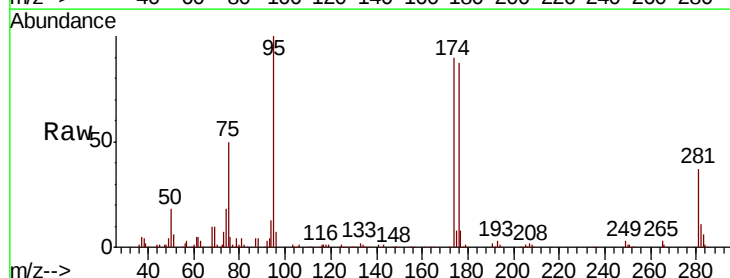
Tgt Ion: 75 Resp: 28390

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

20000

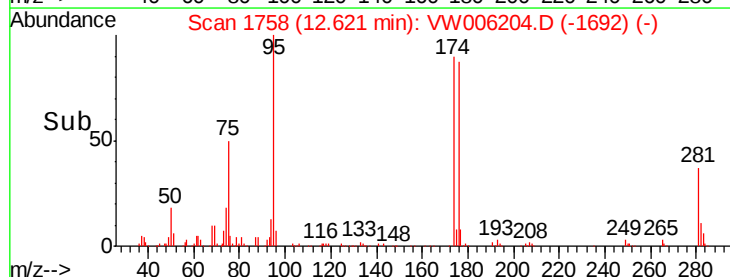
15000

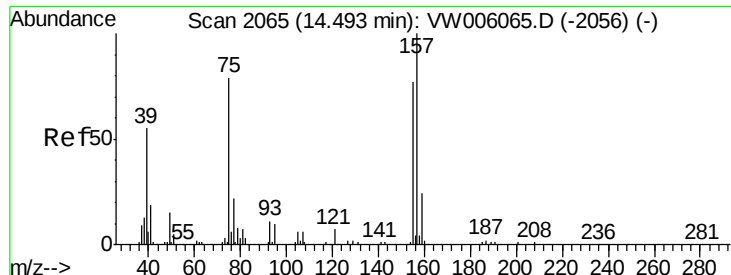
10000

5000

0

Time--> 12.55 12.60 12.65 12.70





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.656 ug/l

RT: 14.35 min Scan# 2042

Delta R.T. -0.14 min

Lab File: VW006204.D

Acq: 19 Oct 2018 05:38

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5RE

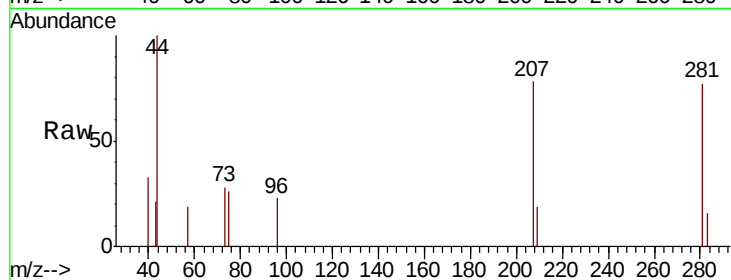
Tot Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

