

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005691.D
 Acq On : 27 Sep 2018 11:15
 Operator : VA/AP
 Sample : VW0927SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBL01

Quant Time: Sep 28 01:19:32 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	205057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	326431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149630	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125849	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.89	113	106403	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	10.33	98	419586	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.62	95	147911	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

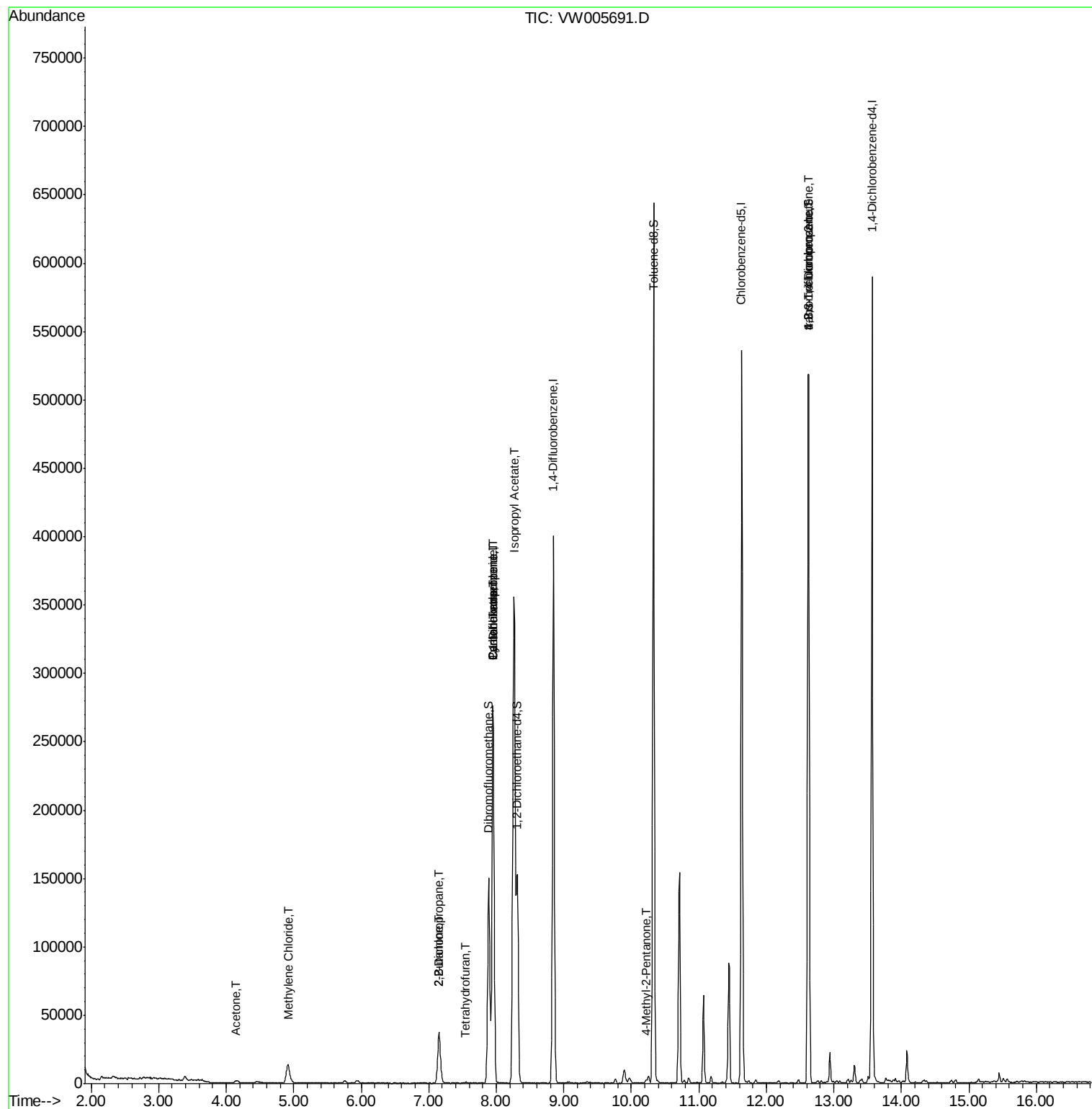
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.02	85	63	Below Cal	# 41
11) Tert butyl alcohol	5.20	59	164	Below Cal	# 72
13) Acrolein	3.74	56	23	Below Cal	# 13
16) Acetone	4.15	43	4245	1.809	ug/l 95
20) Methylene Chloride	4.91	84	10932	1.217	ug/l 95
25) 2-Butanone	7.15	43	2588	4.411	ug/l # 77
26) 2,2-Dichloropropane	7.15	77	2826	1.036	ug/l # 54
29) Tetrahydrofuran	7.55	42	567	1.547	ug/l # 70
31) Cyclohexane	7.95	56	4753	1.269	ug/l # 15
36) 1,1-Dichloropropene	7.95	75	15516	4.722	ug/l # 51
38) Carbon Tetrachloride	7.95	117	20289	5.762	ug/l # 16
43) Isopropyl Acetate	8.26	43	9110	3.351	ug/l # 36
51) 4-Methyl-2-Pentanone	10.22	43	2217	1.619	ug/l # 86
76) 1,2,3-Trichloropropane	12.63	75	77035	60.396	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.63	75	77035	136.030	ug/l # 7

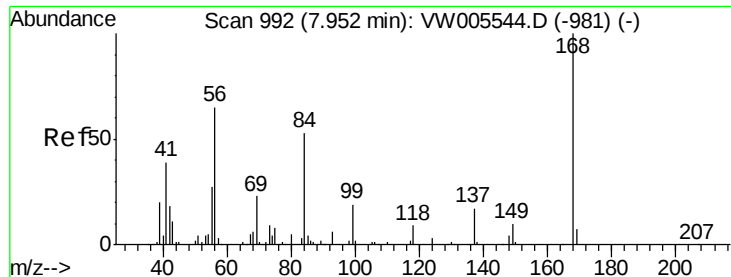
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
Data File : VW005691.D
Acq On : 27 Sep 2018 11:15
Operator : VA/AP
Sample : VW0927SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBL01

Quant Time: Sep 28 01:19:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 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: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampled :

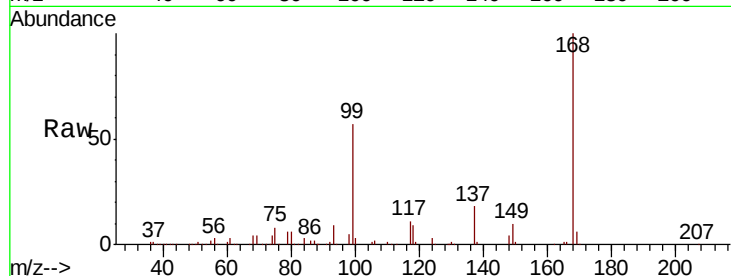
VW0927SBL01

Tgt Ion:168 Resp: 205057

Ion Ratio Lower Upper

168 100

99 57.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

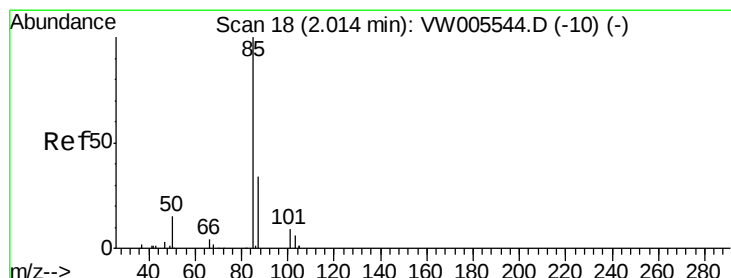
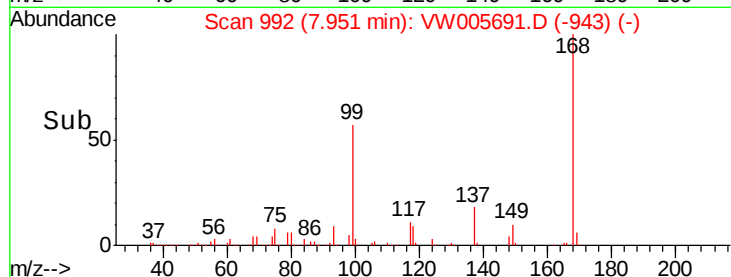
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005691.D

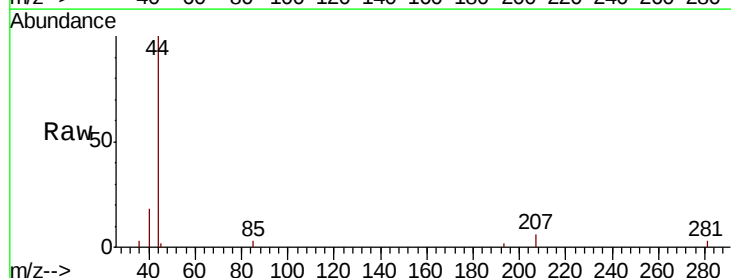
Acq: 27 Sep 2018 11:15

Tgt Ion: 85 Resp: 63

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

2.02

100

80

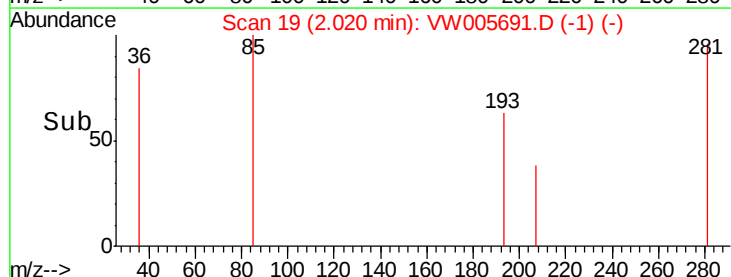
60

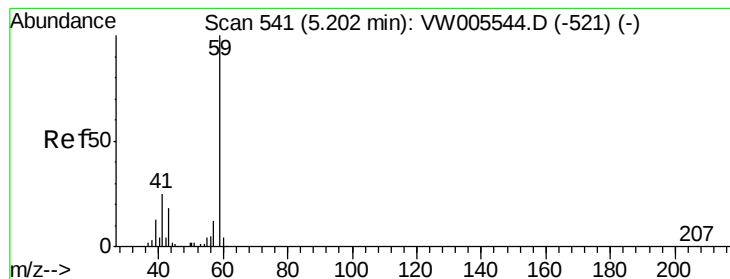
40

20

0

Time--> 2.00 2.02 2.04





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. -0.00 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampled :

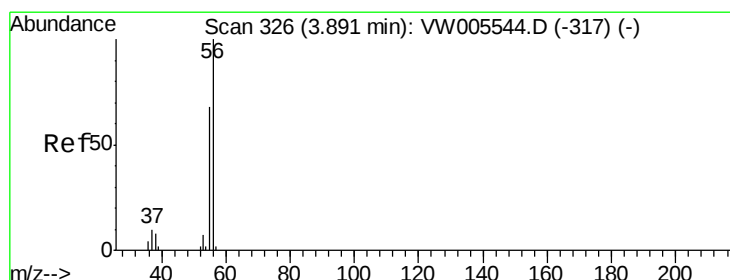
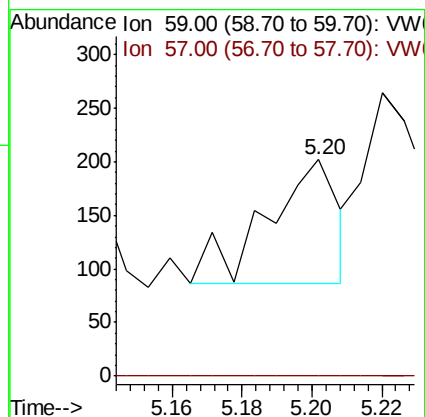
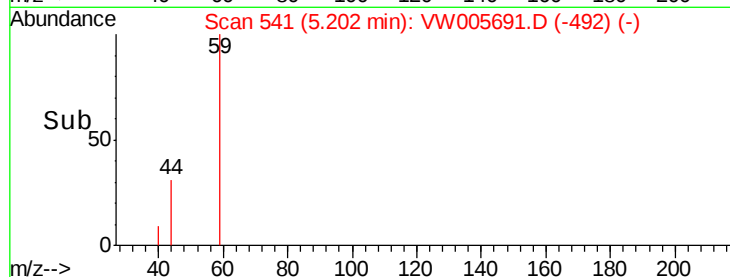
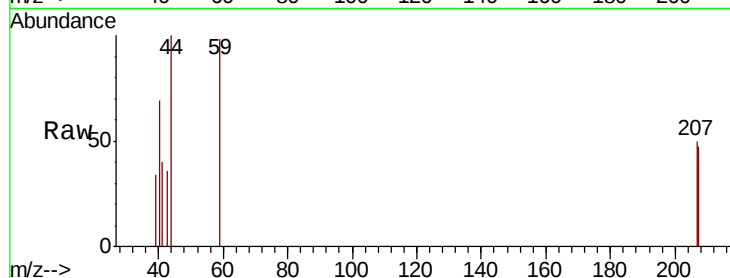
VW0927SBL01

Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 3.74 min Scan# 302

Delta R.T. -0.15 min

Lab File: VW005691.D

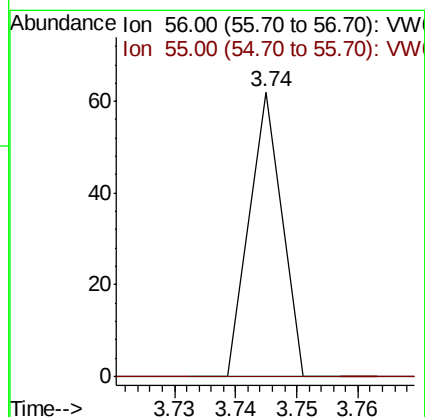
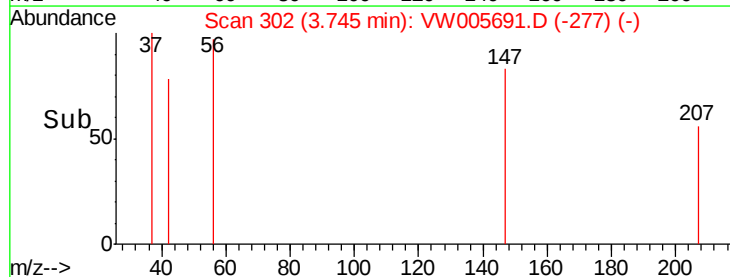
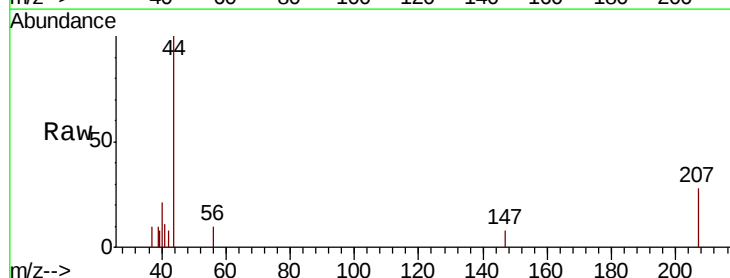
Acq: 27 Sep 2018 11:15

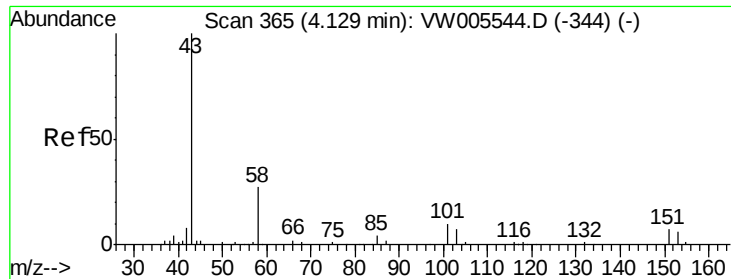
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#





#16

Acetone

Concen: 1.809 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

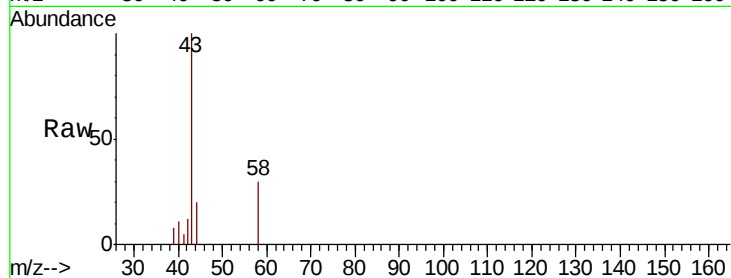
VW0927SBL01

Tgt Ion: 43 Resp: 4245

Ion Ratio Lower Upper

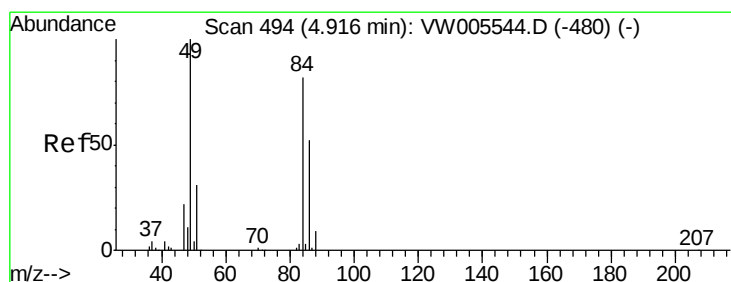
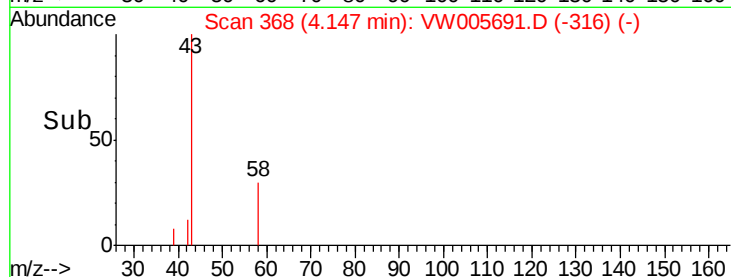
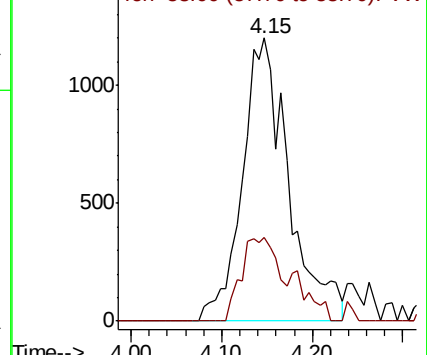
43 100

58 29.6 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: 1.217 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

Tgt Ion: 84 Resp: 10932

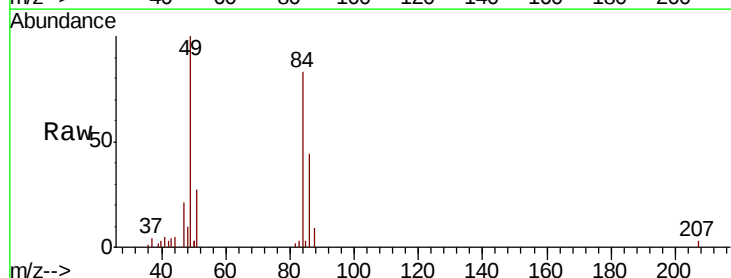
Ion Ratio Lower Upper

84 100

49 120.7 97.0 145.6

51 33.1 30.2 45.2

86 53.0 50.2 75.4

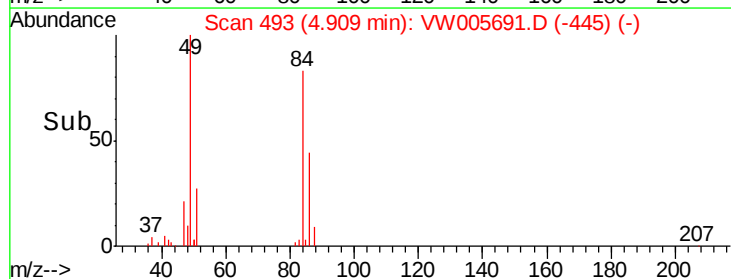
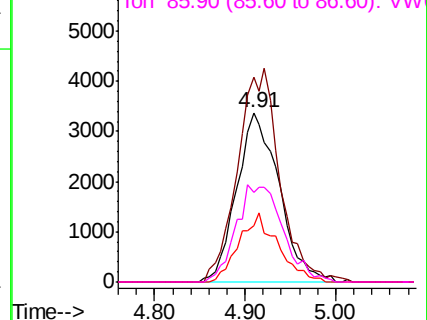


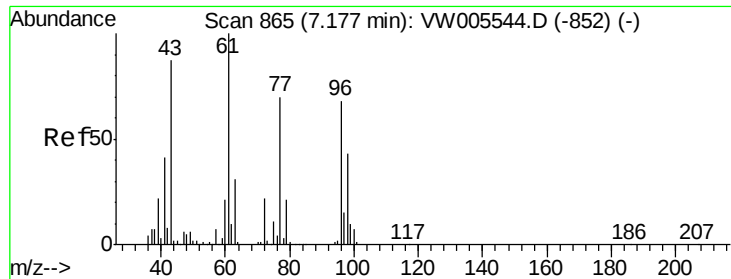
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.411 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

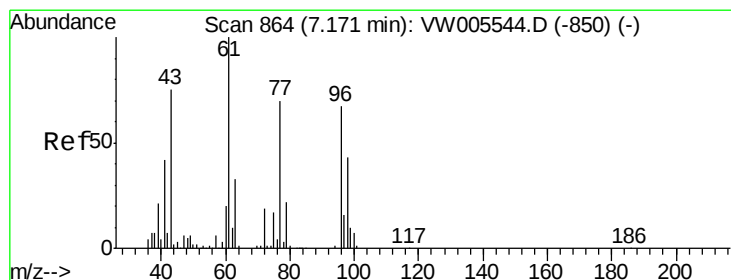
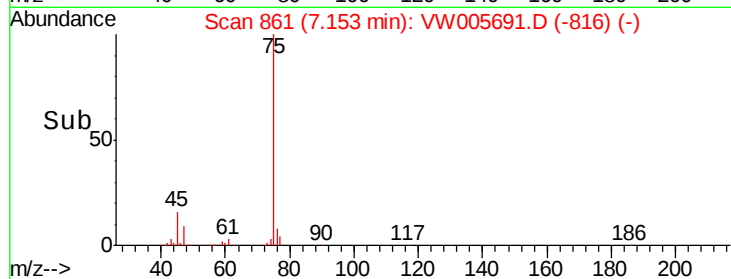
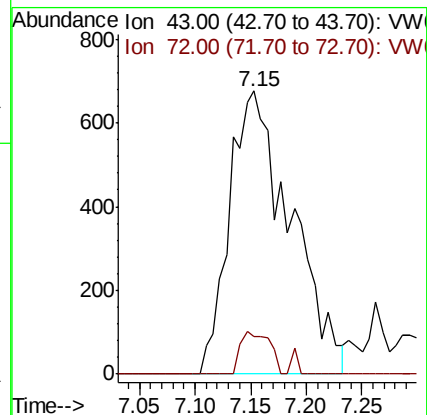
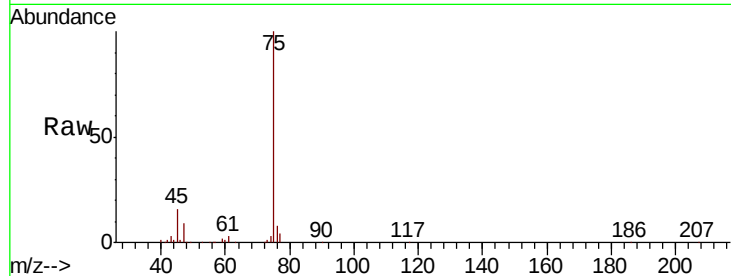
VW0927SBL01

Tgt Ion: 43 Resp: 2588

Ion Ratio Lower Upper

43 100

72 13.3 19.9 29.9#



#26

2,2-Dichloropropane

Concen: 1.036 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005691.D

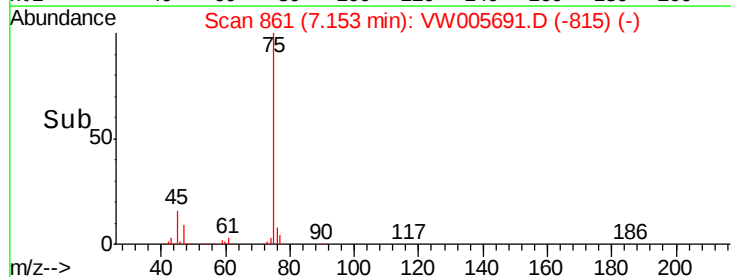
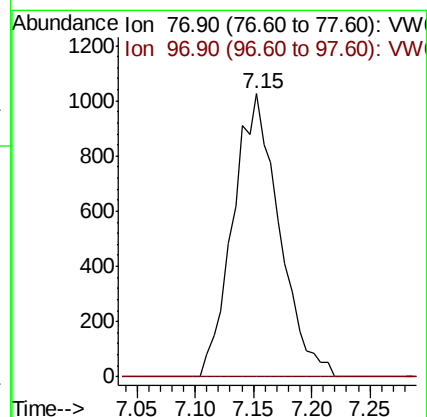
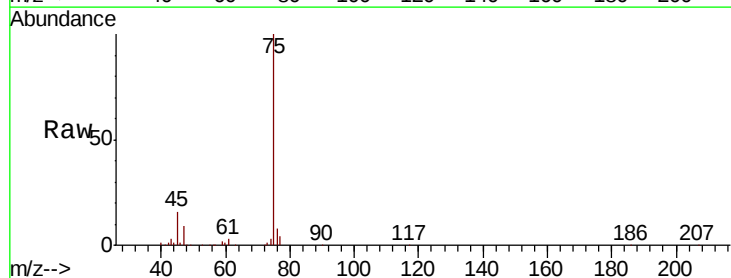
Acq: 27 Sep 2018 11:15

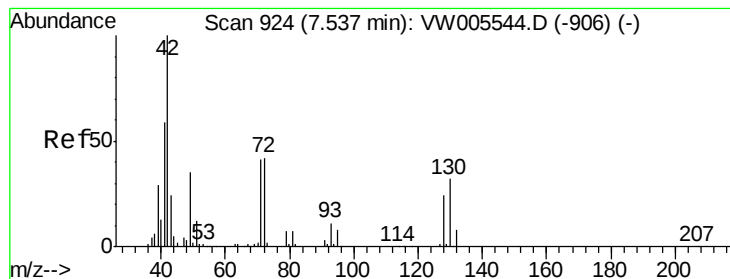
Tgt Ion: 77 Resp: 2826

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#





#29

Tetrahydrofuran

Concen: 1.547 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBL01

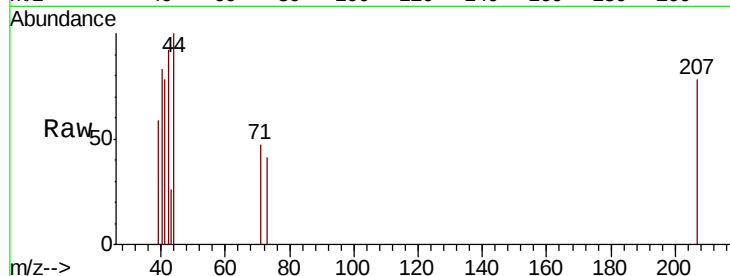
Tgt Ion: 42 Resp: 567

Ion Ratio Lower Upper

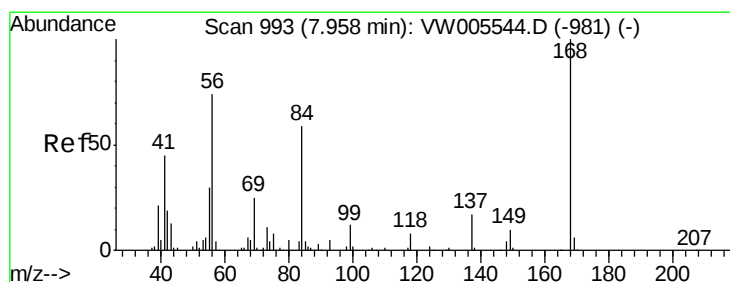
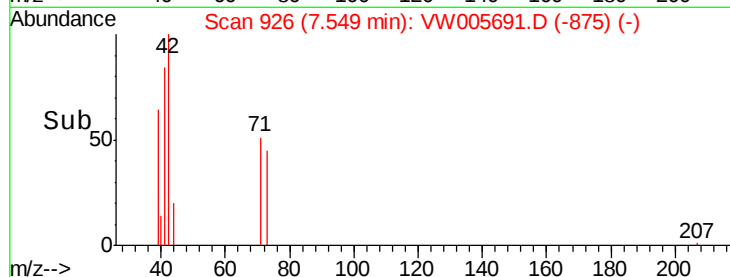
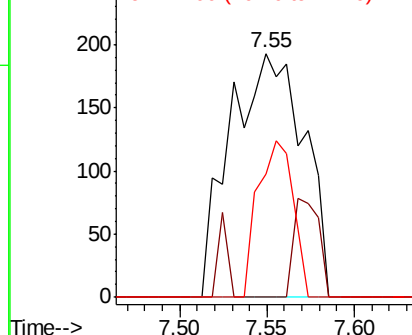
42 100

72 13.9 33.6 50.4#

71 30.5 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: 1.269 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

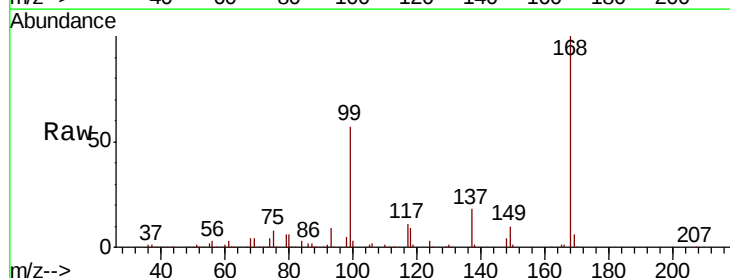
Tgt Ion: 56 Resp: 4753

Ion Ratio Lower Upper

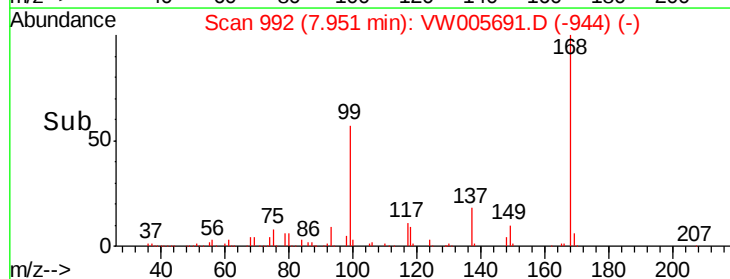
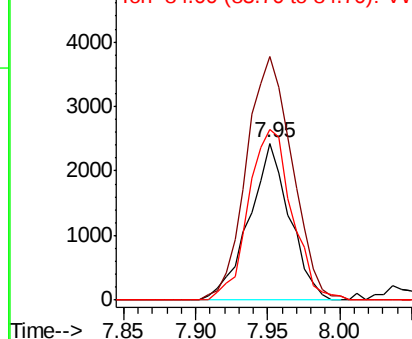
56 100

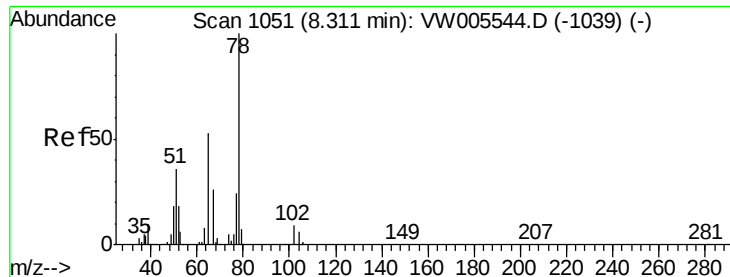
69 155.0 27.0 40.4#

84 108.8 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

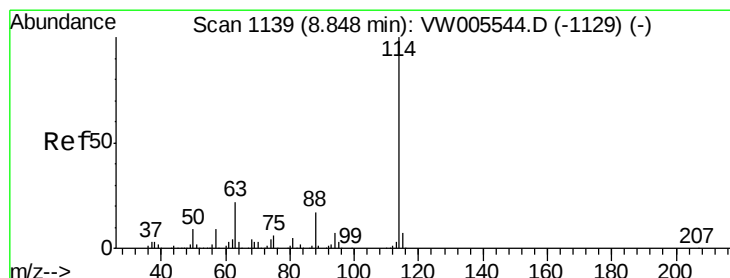
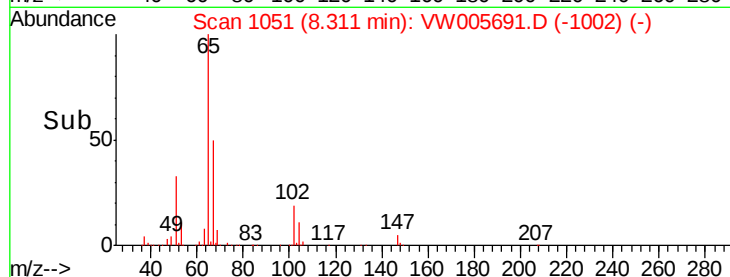
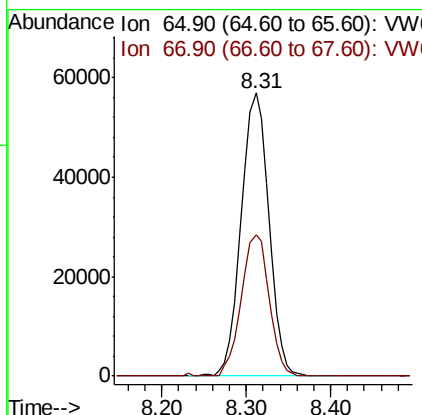
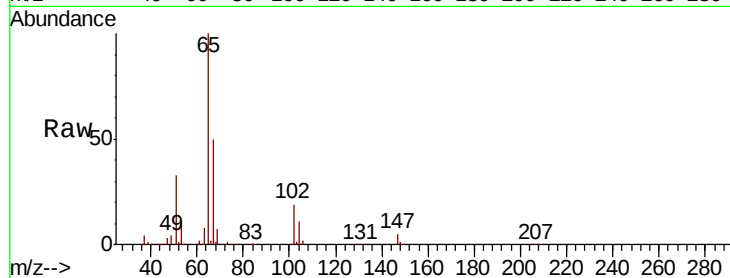




#33
 1,2-Dichloroethane-d4
 Concen: 52.096 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005691.D
 Acq: 27 Sep 2018 11:15

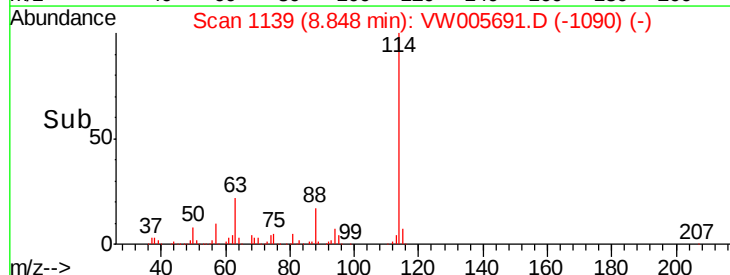
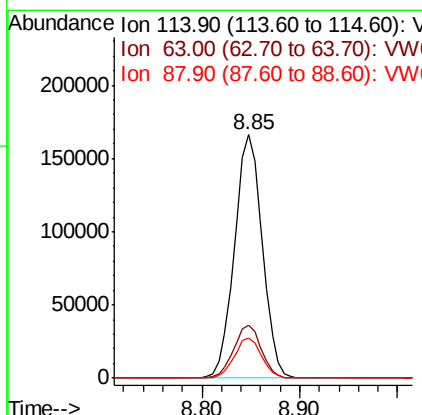
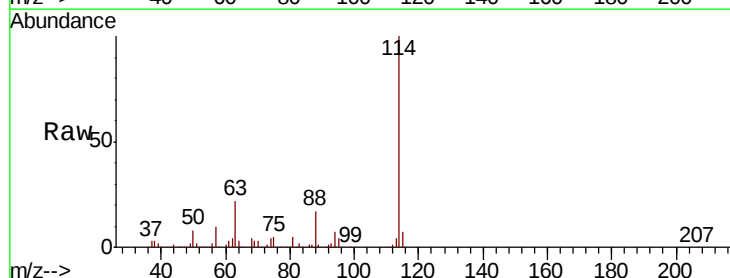
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBL01

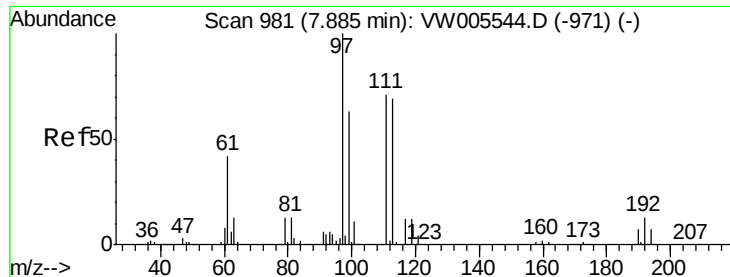
Tgt Ion: 65 Resp: 125849
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005691.D
 Acq: 27 Sep 2018 11:15

Tgt Ion: 114 Resp: 326431
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 16.7 0.0 33.0

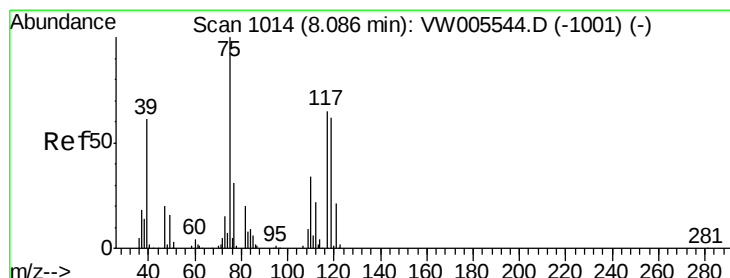
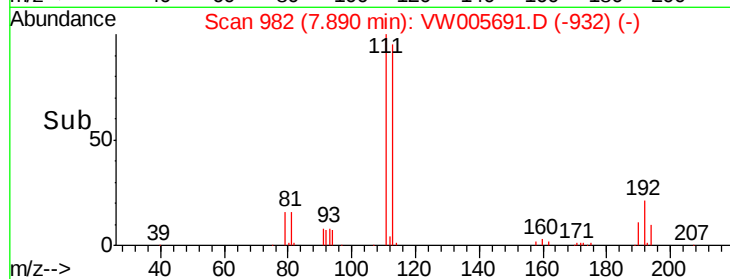
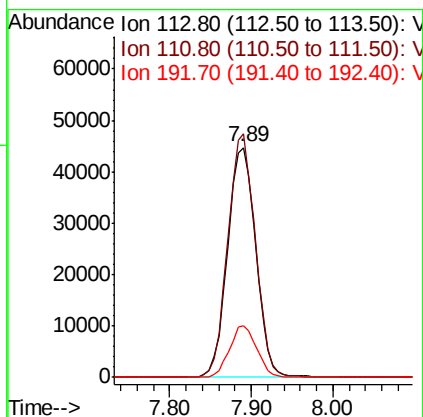
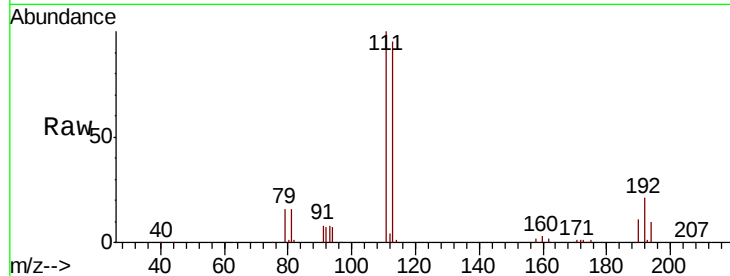




#35
 Dibromofluoromethane
 Concen: 51.833 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005691.D
 Acq: 27 Sep 2018 11:15

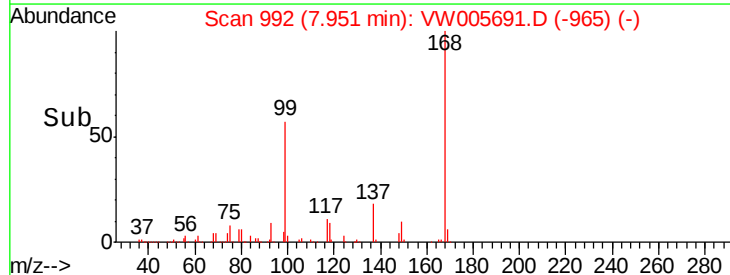
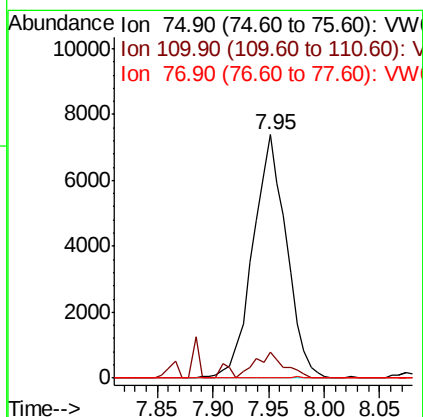
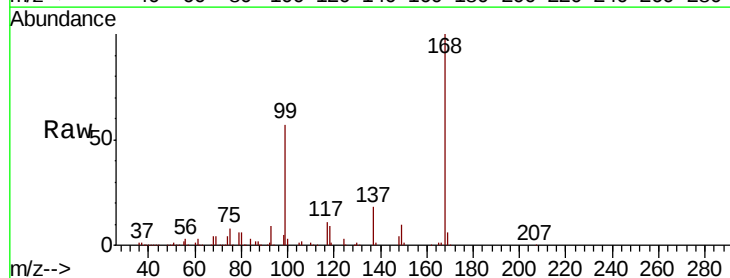
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBL01

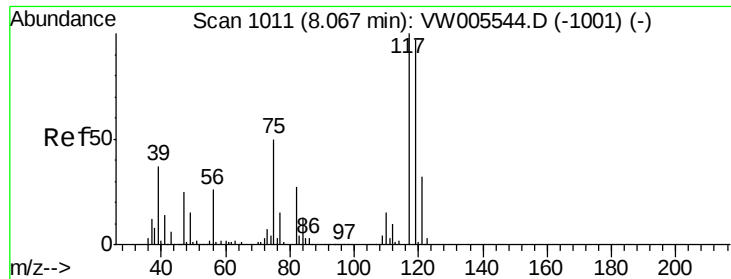
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	21.6	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005691.D
 Acq: 27 Sep 2018 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.0	50.9#
77	0.0	24.8	37.2#

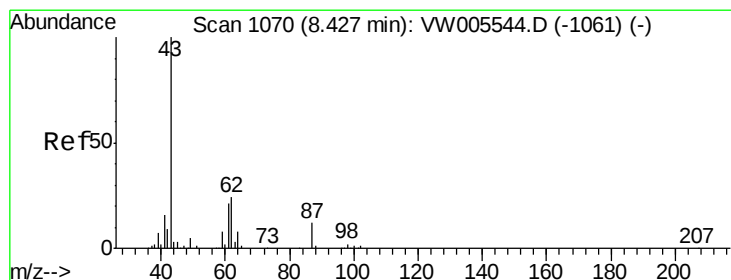
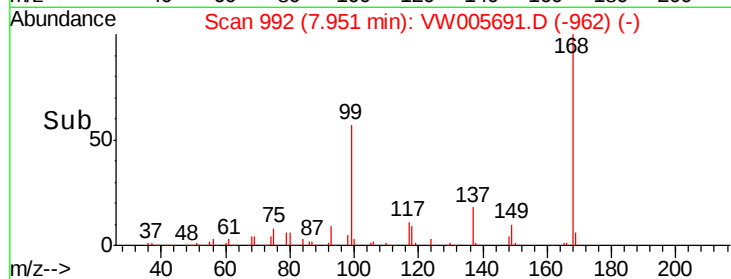
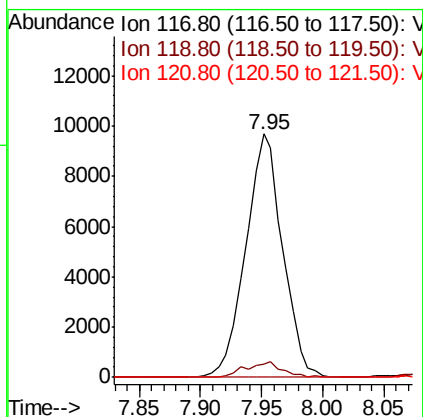
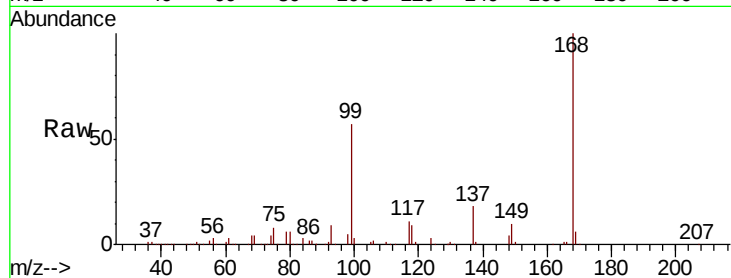




#38
Carbon Tetrachloride
Concen: 5.762 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005691.D
Acq: 27 Sep 2018 11:15

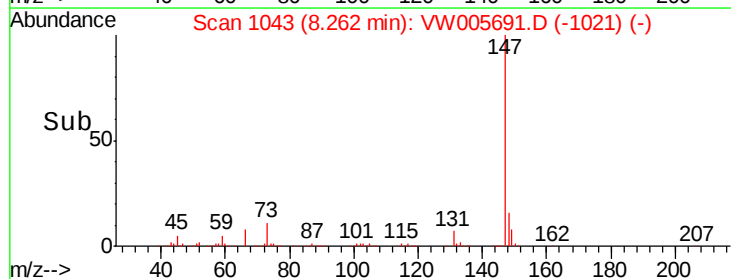
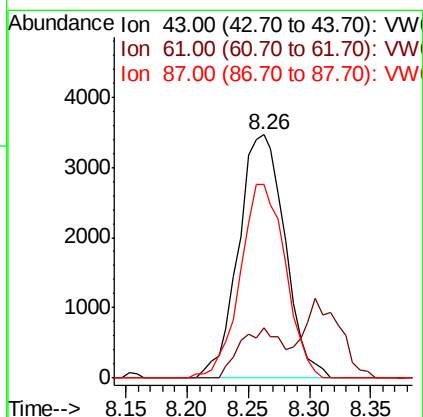
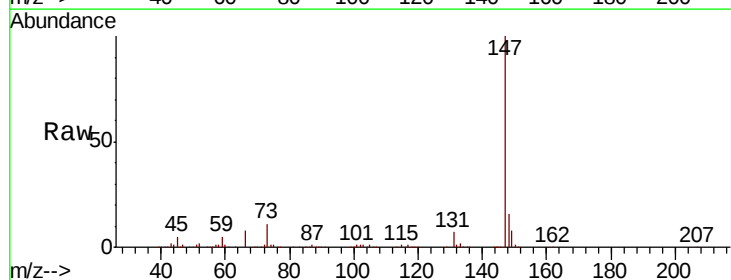
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBL01

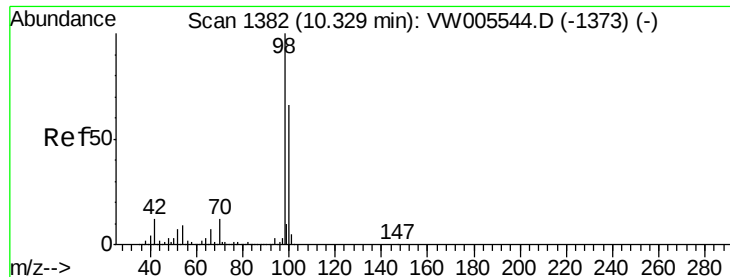
Tgt Ion:117 Resp: 20289
Ion Ratio Lower Upper
117 100
119 5.6 77.6 116.4#
121 0.0 25.7 38.5#



#43
Isopropyl Acetate
Concen: 3.351 ug/l
RT: 8.26 min Scan# 1043
Delta R.T. -0.16 min
Lab File: VW005691.D
Acq: 27 Sep 2018 11:15

Tgt Ion: 43 Resp: 9110
Ion Ratio Lower Upper
43 100
61 18.0 24.1 36.1#
87 77.6 9.8 14.8#





#50

Toluene-d8

Concen: 50.198 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampled :

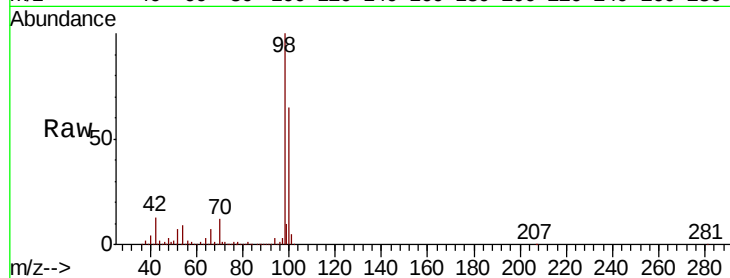
VW0927SBL01

Tgt Ion: 98 Resp: 419586

Ion Ratio Lower Upper

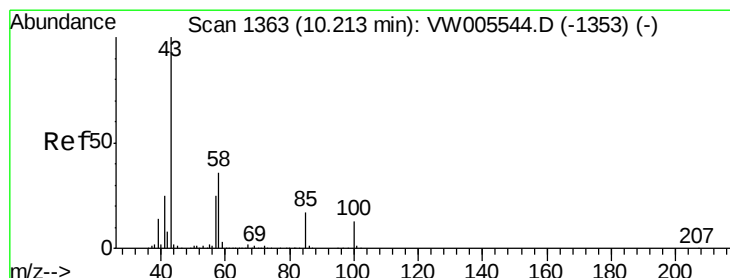
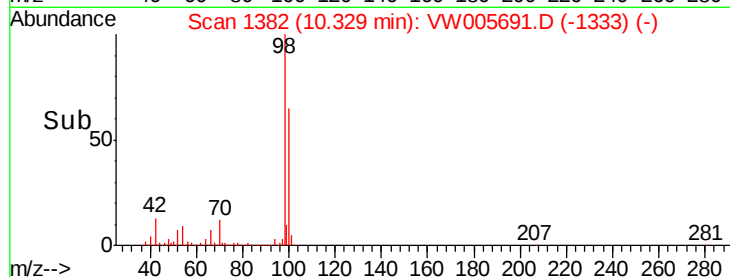
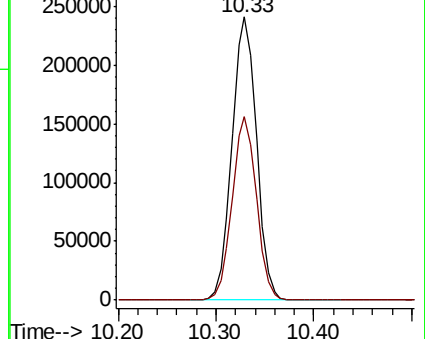
98 100

100 63.7 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: 1.619 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005691.D

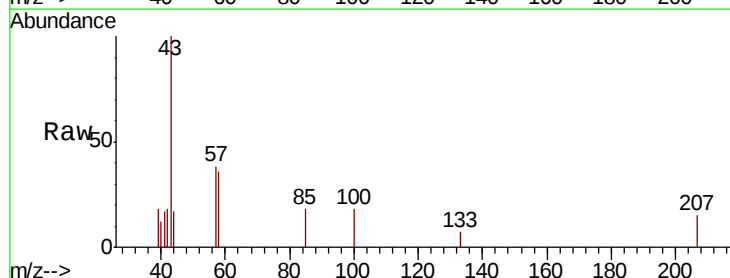
Acq: 27 Sep 2018 11:15

Tgt Ion: 43 Resp: 2217

Ion Ratio Lower Upper

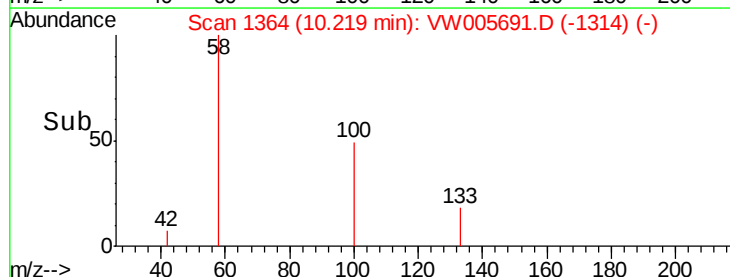
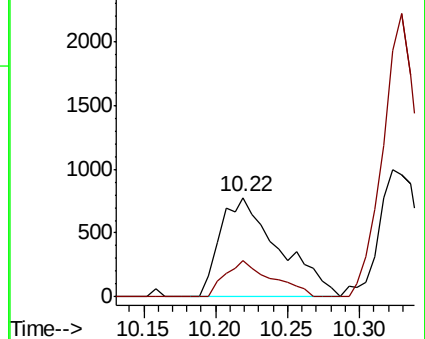
43 100

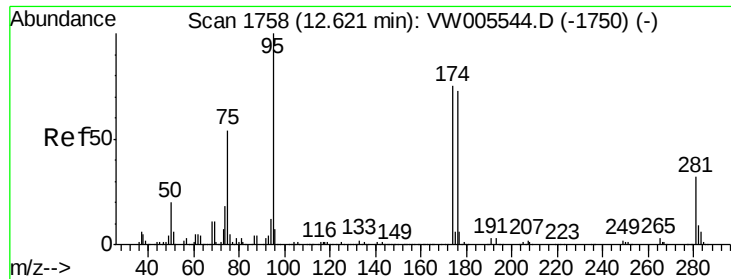
58 29.0 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

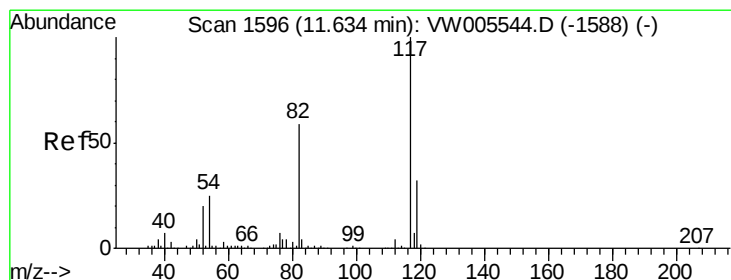
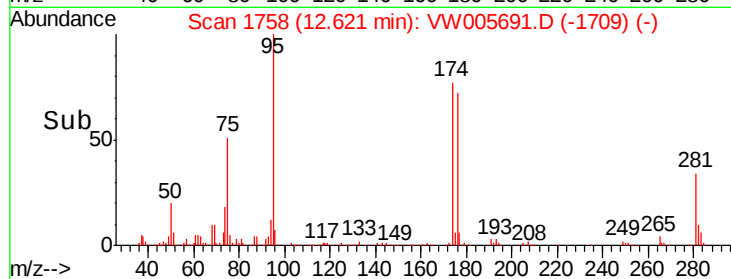
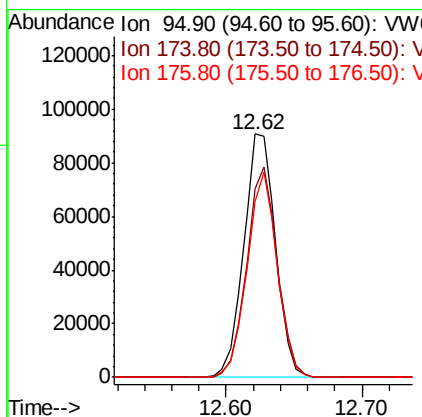
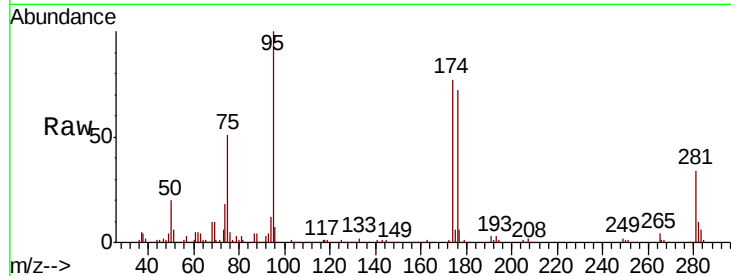




#62
4-Bromofluorobenzene
Concen: 47.823 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005691.D
Acq: 27 Sep 2018 11:15

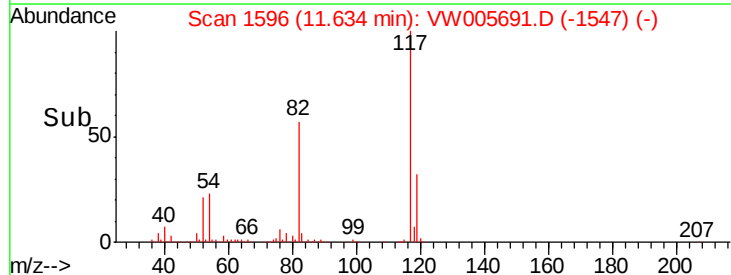
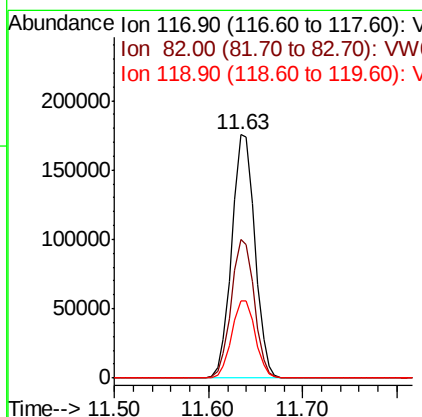
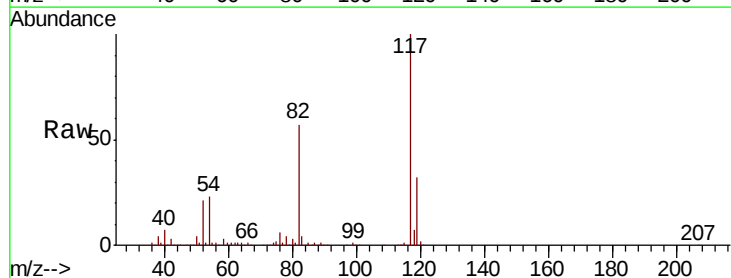
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBL01

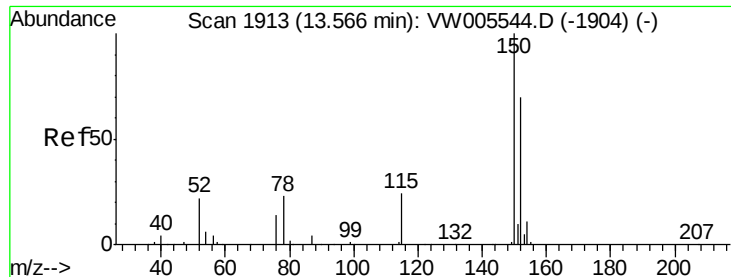
Tgt Ion: 95 Resp: 147911
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.8
176 80.3 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005691.D
Acq: 27 Sep 2018 11:15

Tgt Ion: 117 Resp: 299649
Ion Ratio Lower Upper
117 100
82 56.8 46.9 70.3
119 31.9 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: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBL01

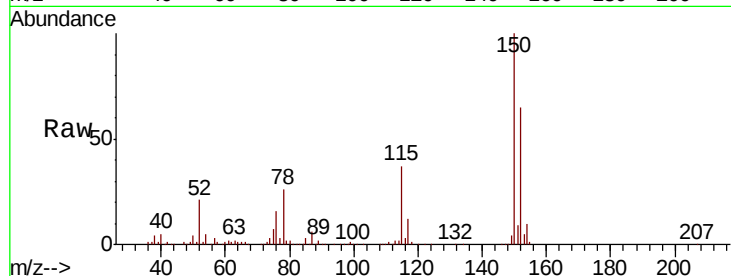
Tgt Ion:152 Resp: 149630

Ion Ratio Lower Upper

152 100

115 58.8 30.0 90.0

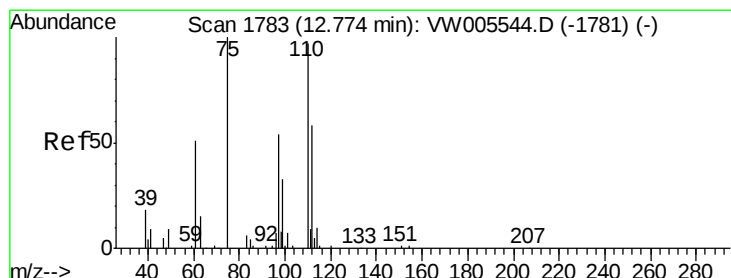
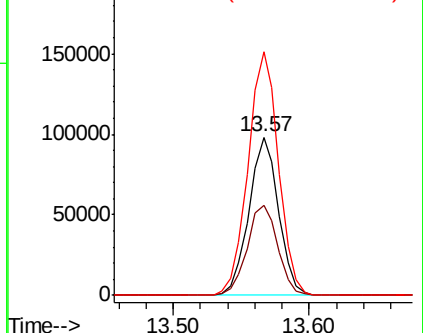
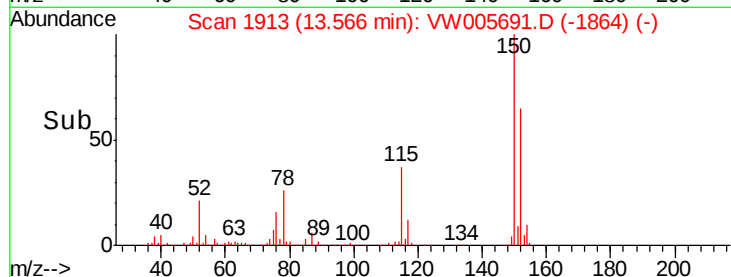
150 158.0 0.0 348.6



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: 60.396 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005691.D

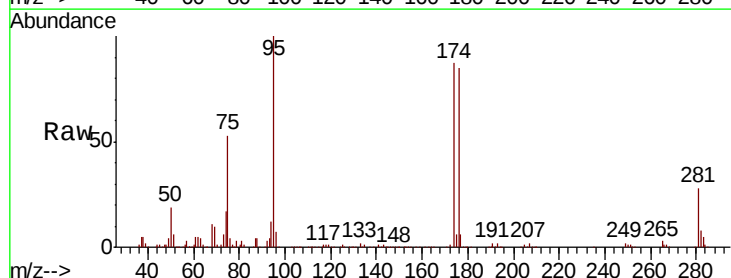
Acq: 27 Sep 2018 11:15

Tgt Ion: 75 Resp: 77035

Ion Ratio Lower Upper

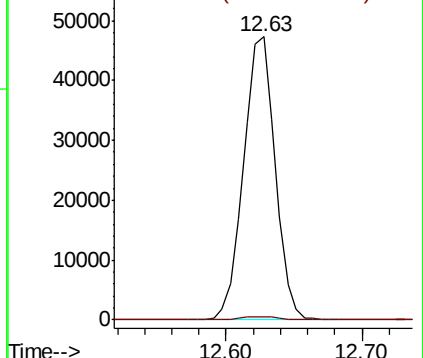
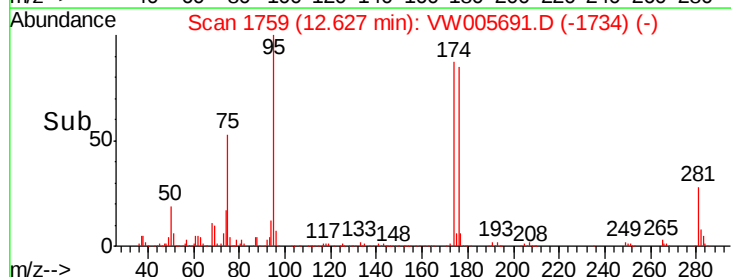
75 100

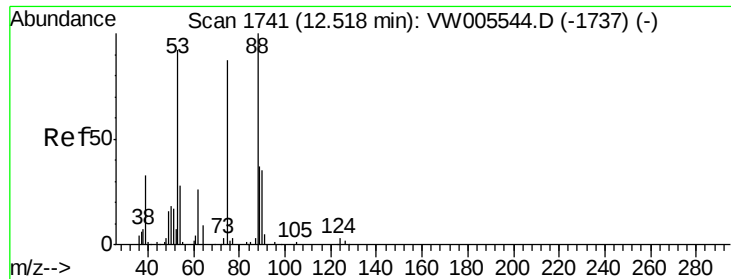
77 1.2 0.0 0.0#



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: 136.030 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005691.D

Acq: 27 Sep 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBL01

Tgt Ion: 75 Resp: 77035

Ion Ratio Lower Upper

75 100

53 0.1 85.8 128.6#

89 0.2 37.3 55.9#

