

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002544.D
 Acq On : 15 May 2018 06:01
 Operator : JC/SY
 Sample : J2868-05
 Misc : 5.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-RO-327

Quant Time: May 15 07:34:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	123234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	181382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	127054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49806	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	64453	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	7.88	113	62389	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
50) Toluene-d8	10.33	98	131826	30.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.22%	
62) 4-Bromofluorobenzene	12.63	95	47082	29.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.82%	

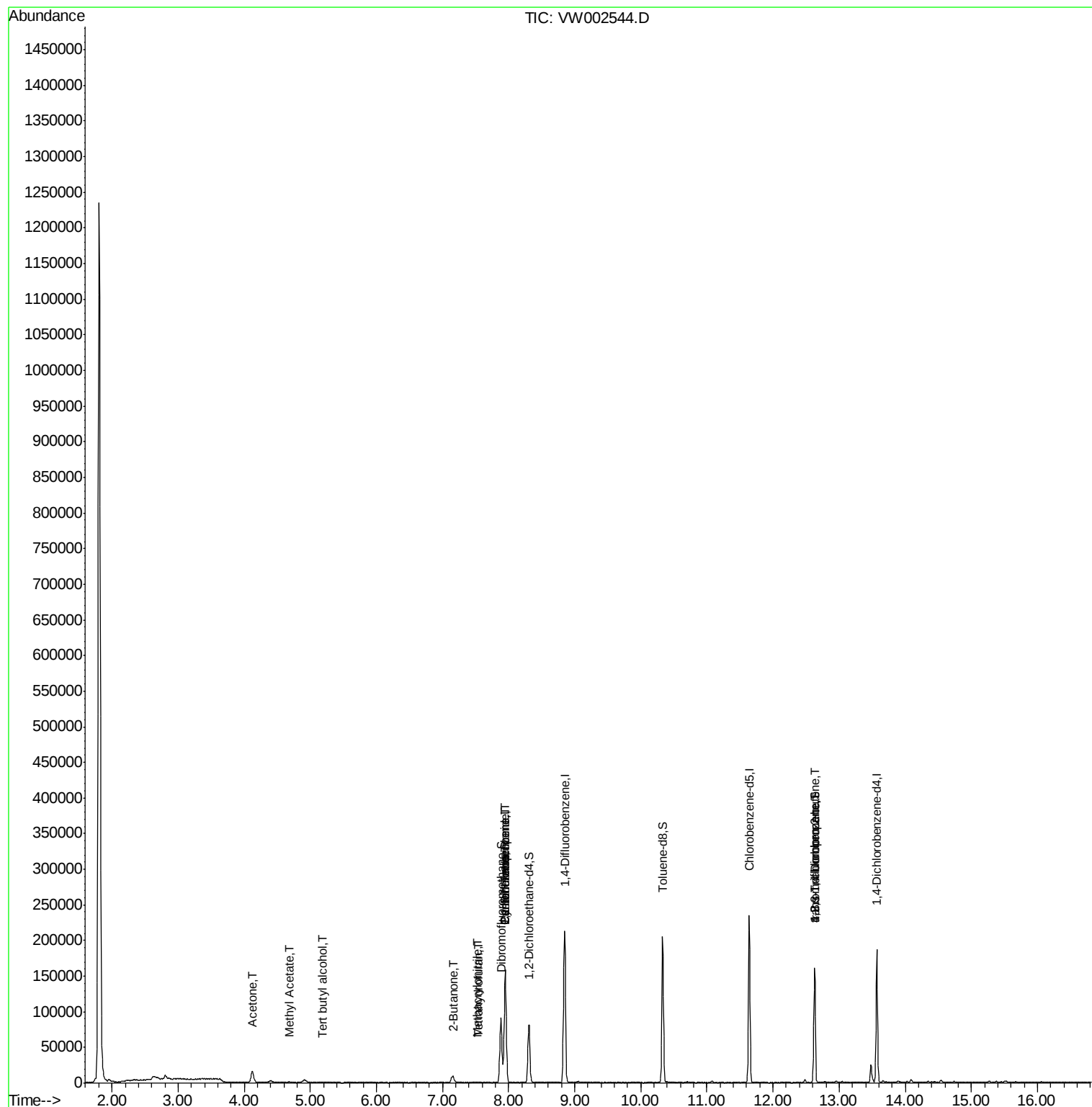
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	283	2.89	ug/l #	73
16) Acetone	4.12	43	27490	102.25	ug/l	100
18) Methyl Acetate	4.68	43	1357	1.73	ug/l #	60
25) 2-Butanone	7.17	43	686	1.80	ug/l #	80
29) Tetrahydrofuran	7.55	42	812	3.42	ug/l #	39
31) Cyclohexane	7.95	56	2967	1.64	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	9379	5.86	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11507	7.34	ug/l #	19
41) Methacrylonitrile	7.53	41	669	1.51	ug/l #	41
76) 1,2,3-Trichloropropane	12.63	75	24728	52.52	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	24728	143.20	ug/l #	8

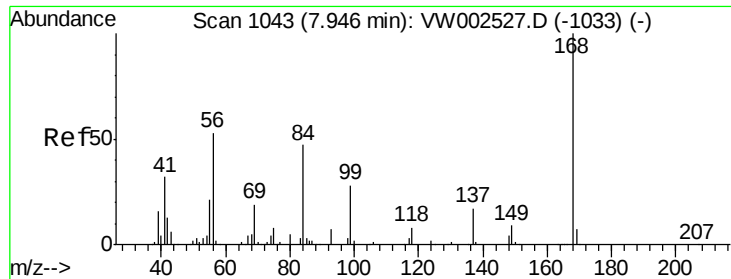
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampleId :

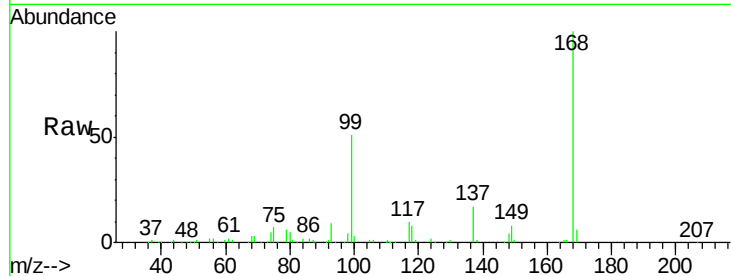
PS-RO-327

Tgt Ion: 168 Resp: 123234

Ion Ratio Lower Upper

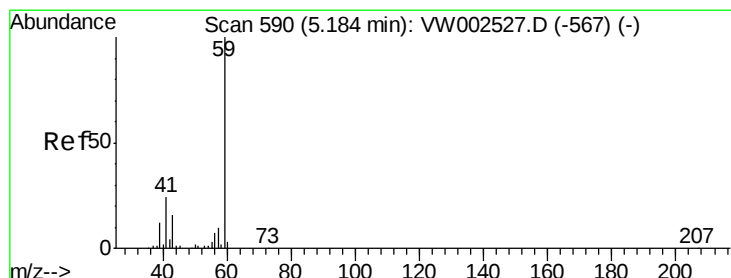
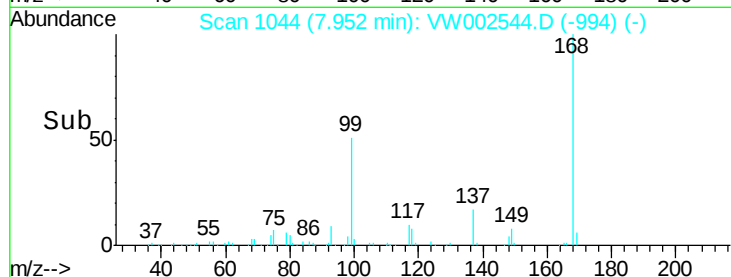
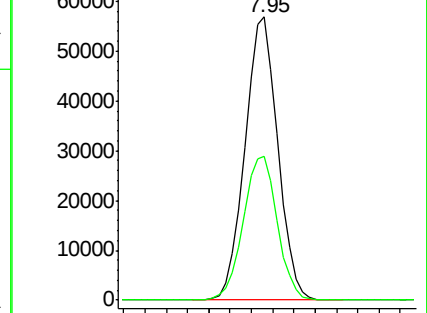
168 100

99 50.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.89 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002544.D

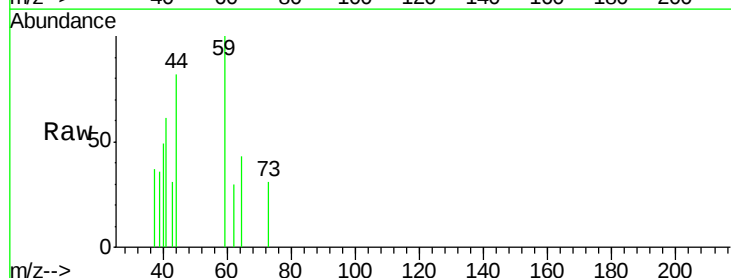
Acq: 15 May 2018 06:01

Tgt Ion: 59 Resp: 283

Ion Ratio Lower Upper

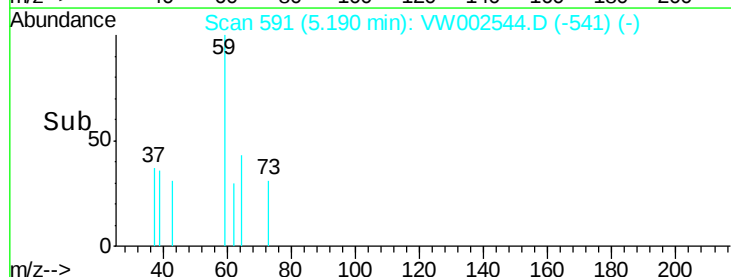
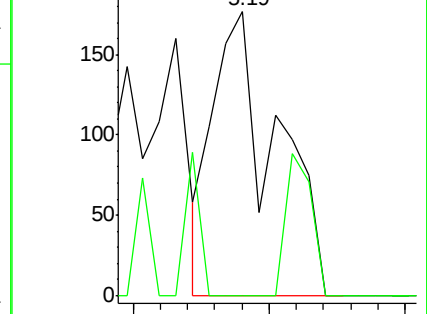
59 100

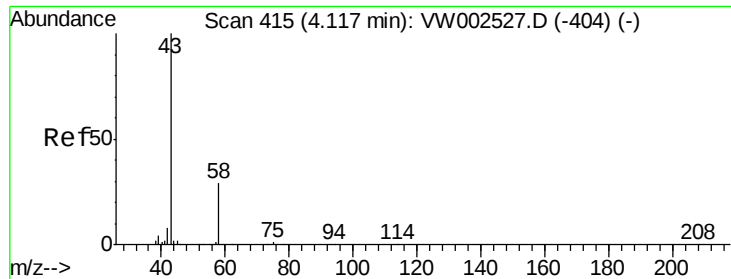
57 20.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 102.25 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampled :

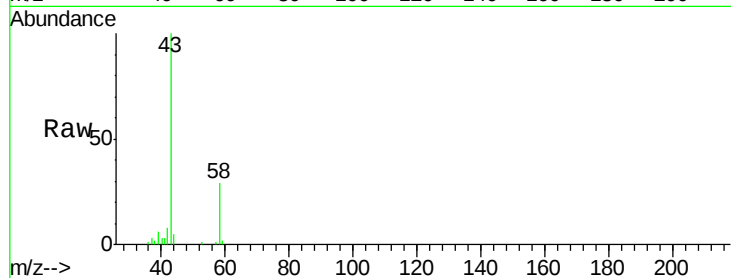
PS-RO-327

Tgt Ion: 43 Resp: 27490

Ion Ratio Lower Upper

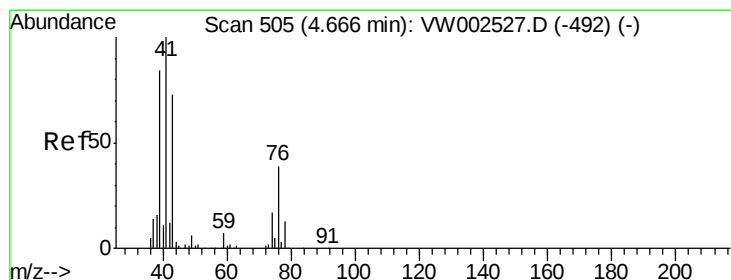
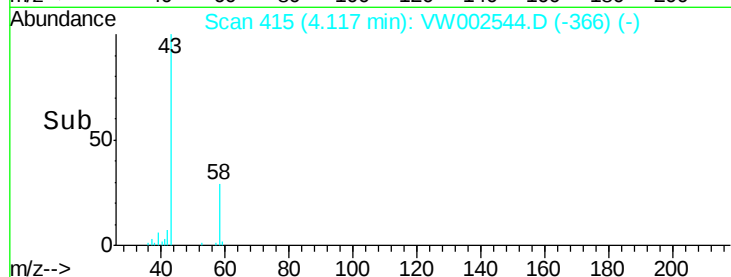
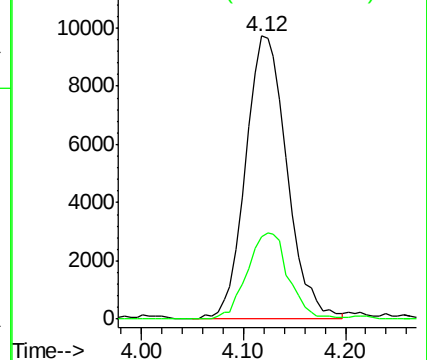
43 100

58 29.2 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.73 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW002544.D

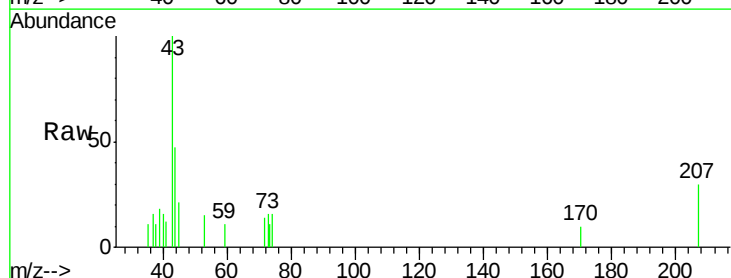
Acq: 15 May 2018 06:01

Tgt Ion: 43 Resp: 1357

Ion Ratio Lower Upper

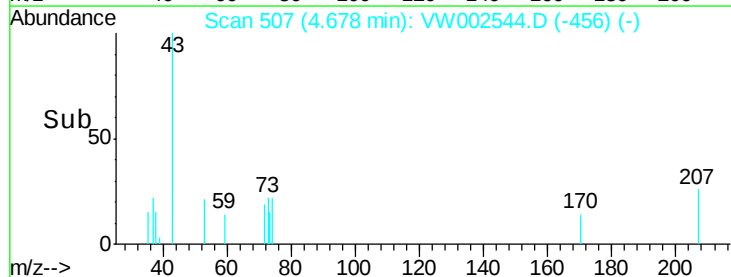
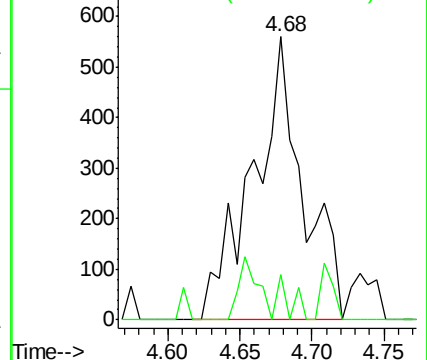
43 100

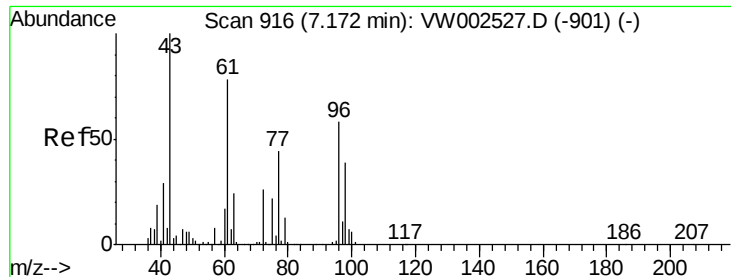
74 4.1 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 1.80 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampleId :

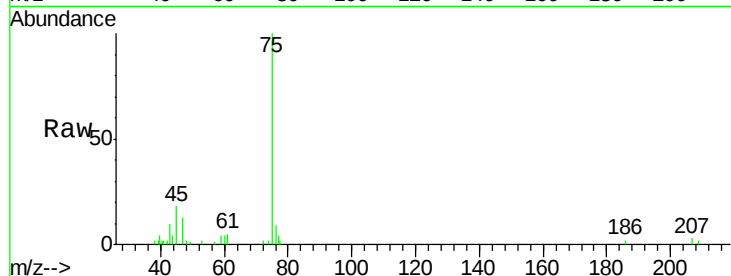
PS-RO-327

Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

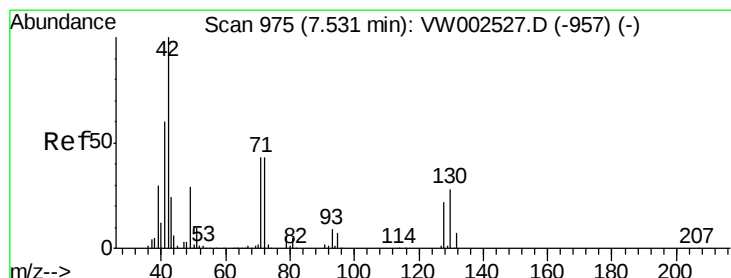
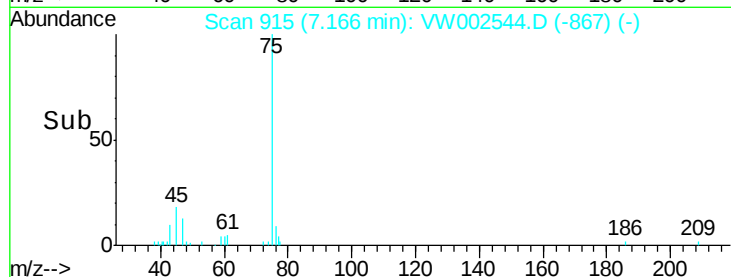
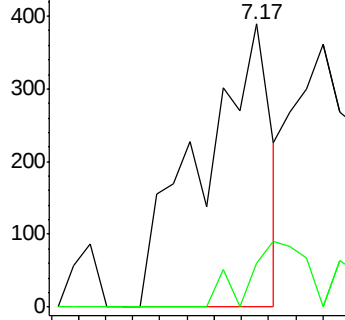
43 100

72 15.7 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 3.42 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

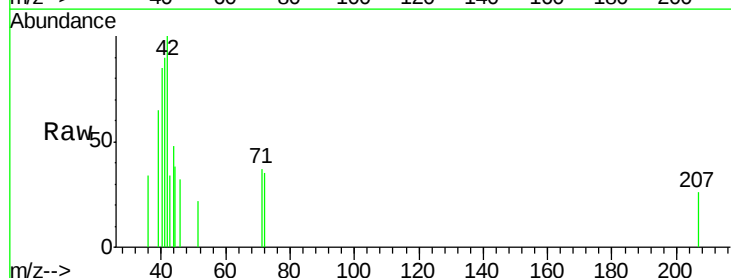
Tgt Ion: 42 Resp: 812

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

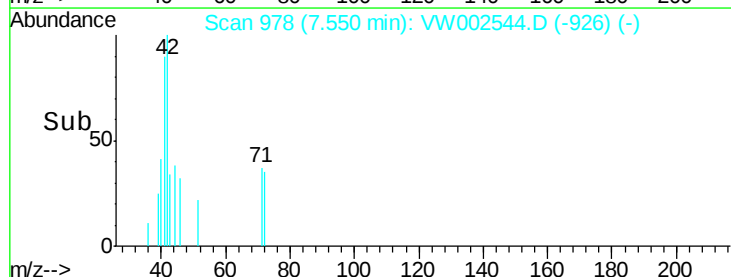
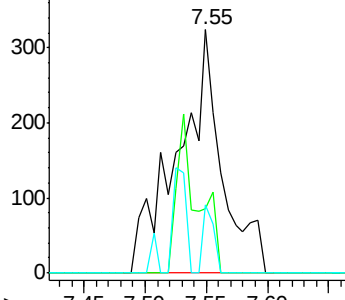
71 7.0 33.0 49.6#

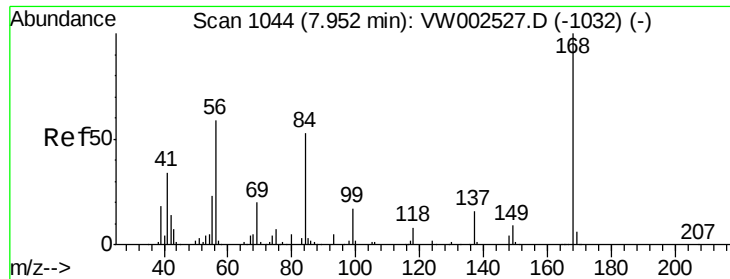


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

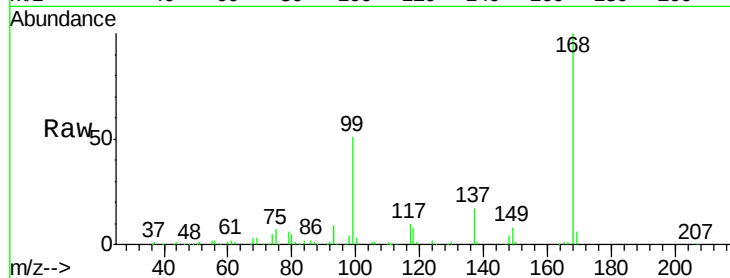




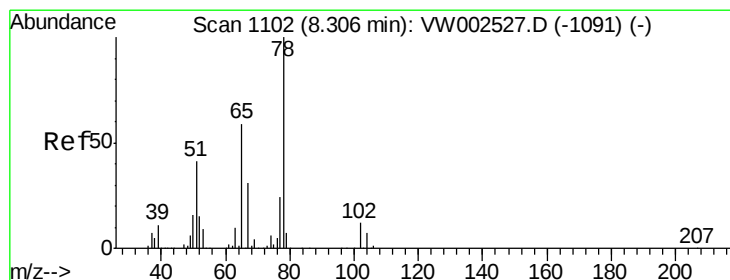
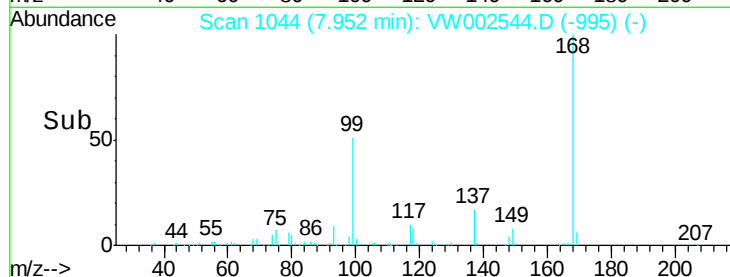
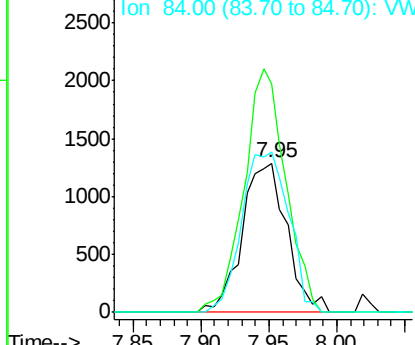
#31
Cyclohexane
Concen: 1.64 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW002544.D
Acq: 15 May 2018 06:01

Instrument :
MSVOA_W
ClientSampled :
PS-RO-327

Tgt Ion: 56 Resp: 2967
Ion Ratio Lower Upper
56 100
69 152.7 27.0 40.4#
84 107.1 72.2 108.2

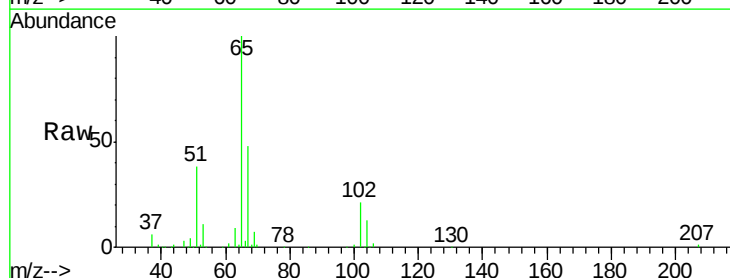


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

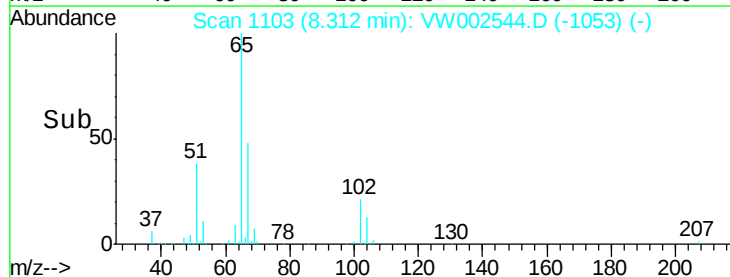
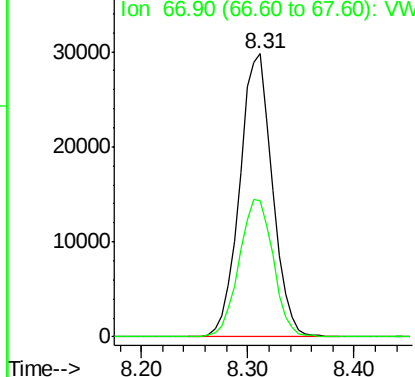


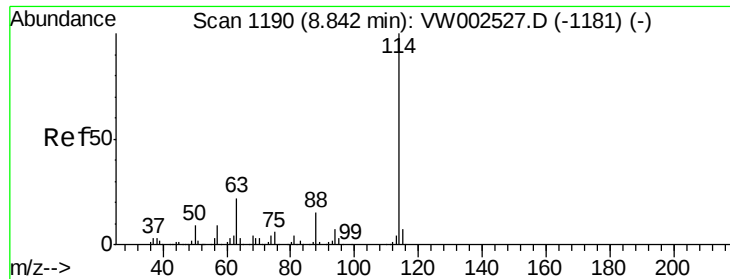
#33
1,2-Dichloroethane-d4
Concen: 50.61 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW002544.D
Acq: 15 May 2018 06:01

Tgt Ion: 65 Resp: 64453
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

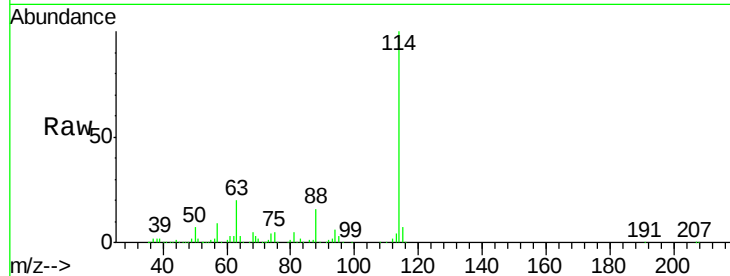




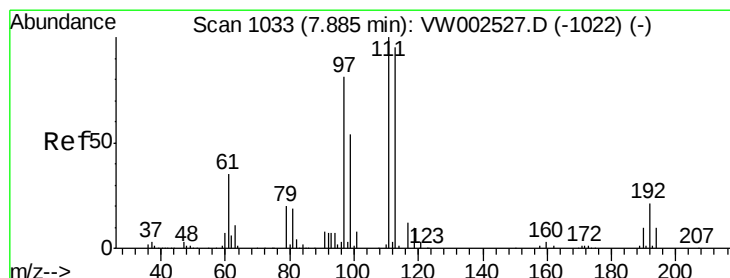
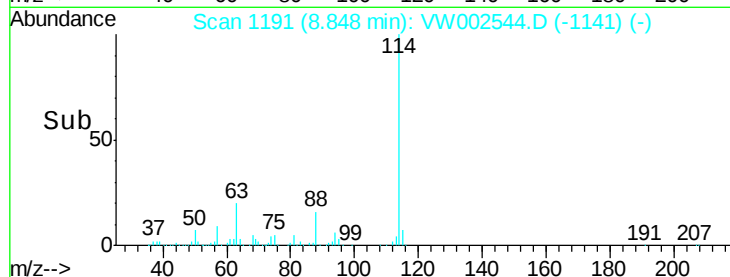
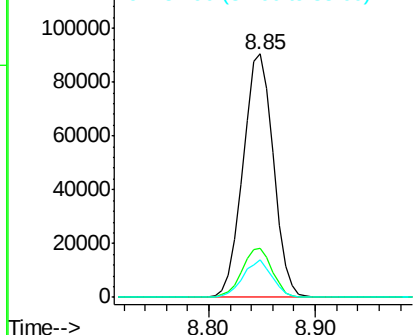
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002544.D
 Acq: 15 May 2018 06:01

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-RO-327

Tgt Ion:114 Resp: 181382
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.2
 88 15.5 0.0 29.2

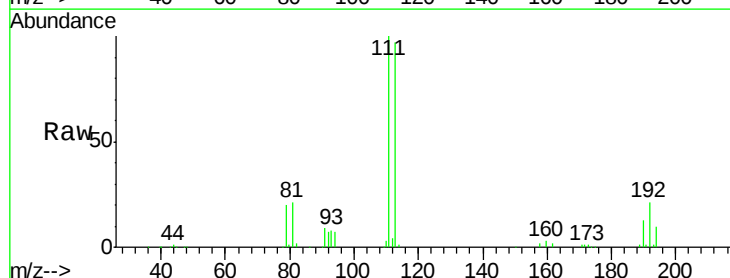


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

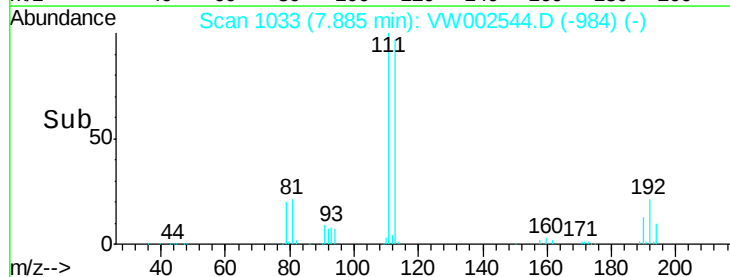
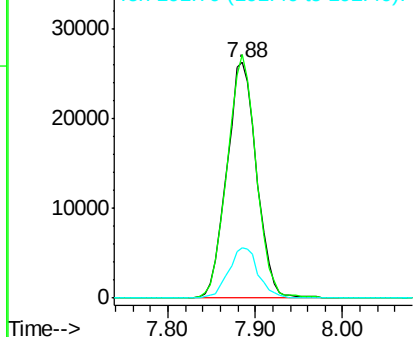


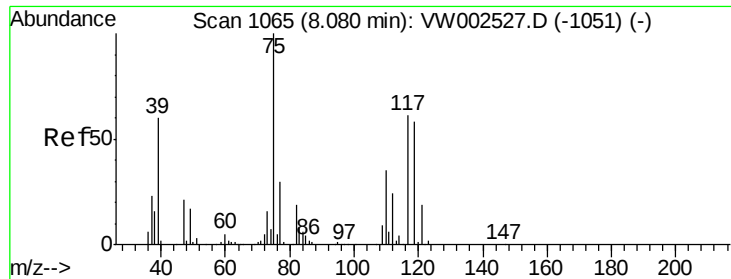
#35
 Dibromofluoromethane
 Concen: 54.22 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002544.D
 Acq: 15 May 2018 06:01

Tgt Ion:113 Resp: 62389
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.8 122.8
 192 21.1 17.5 26.3



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: 5.86 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampleId :

PS-RO-327

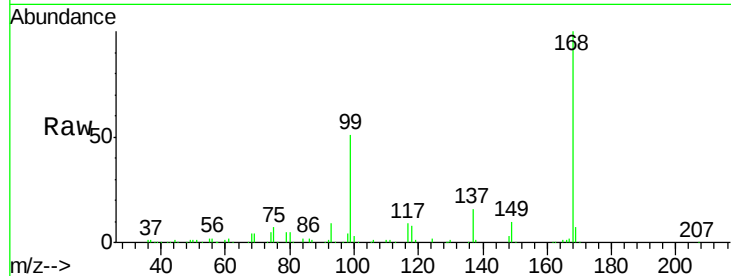
Tgt Ion: 75 Resp: 9379

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.5#

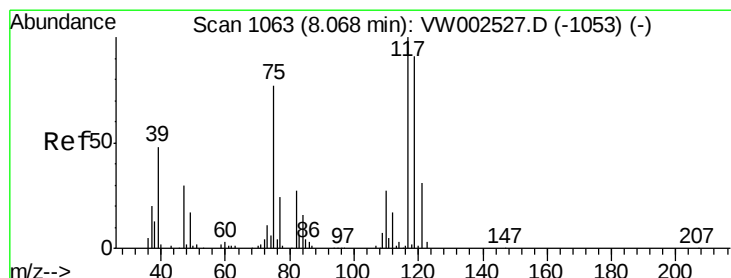
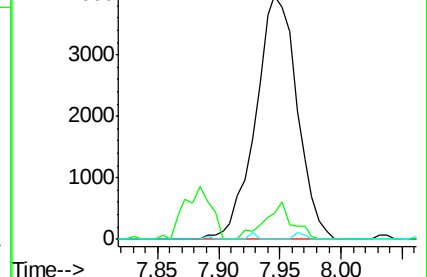
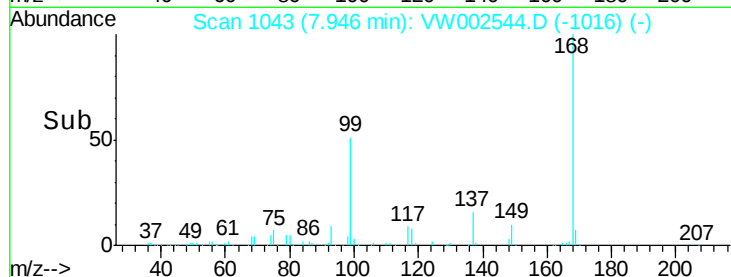
77 0.7 24.5 36.7#



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: 7.34 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

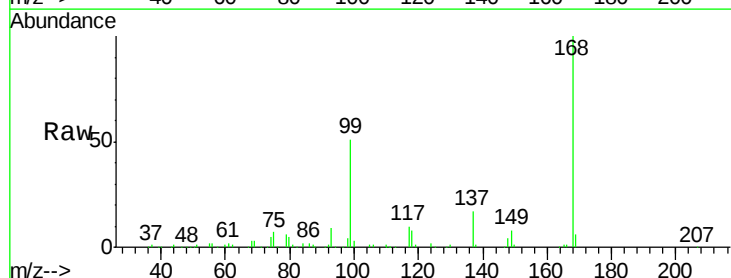
Tgt Ion: 117 Resp: 11507

Ion Ratio Lower Upper

117 100

119 6.6 73.1 109.7#

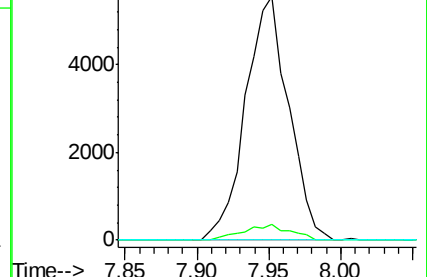
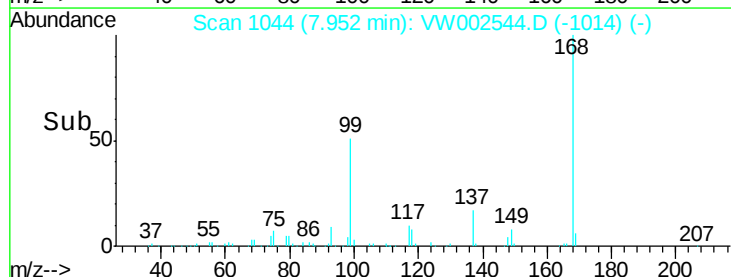
121 0.0 24.4 36.6#

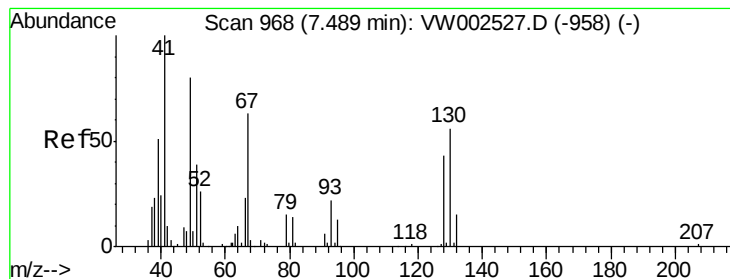


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 1.51 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.04 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampleId :

PS-RO-327

Tgt Ion: 41 Resp: 669

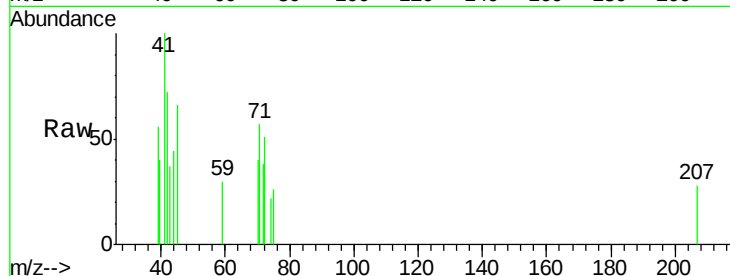
Ion Ratio Lower Upper

41 100

39 44.4 51.8 77.8#

67 0.0 59.9 89.9#

52 0.0 26.6 39.8#

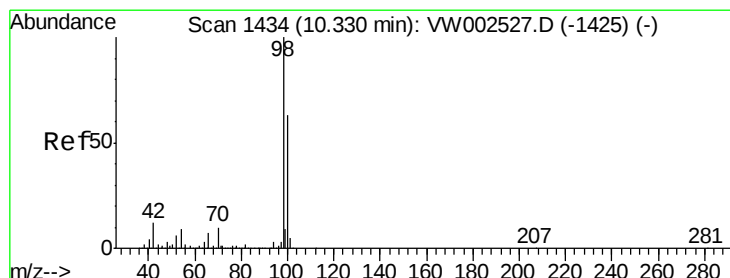
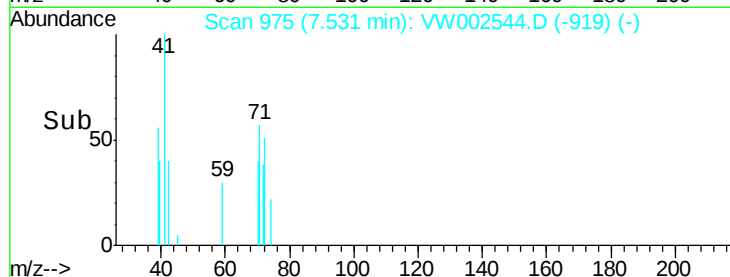
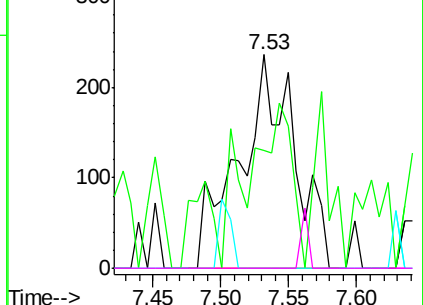


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 30.11 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002544.D

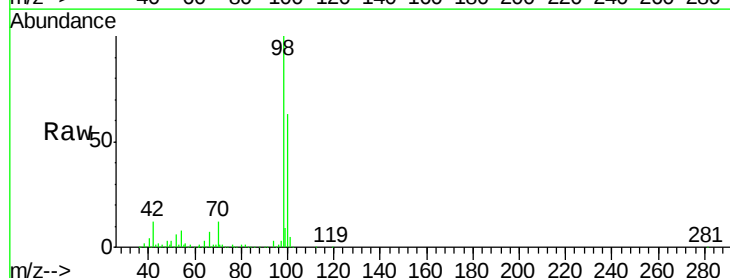
Acq: 15 May 2018 06:01

Tgt Ion: 98 Resp: 131826

Ion Ratio Lower Upper

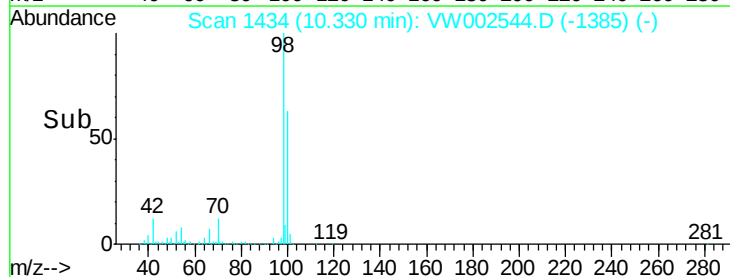
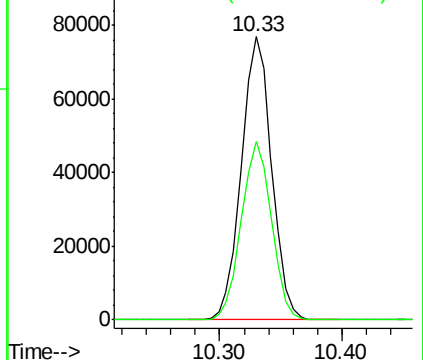
98 100

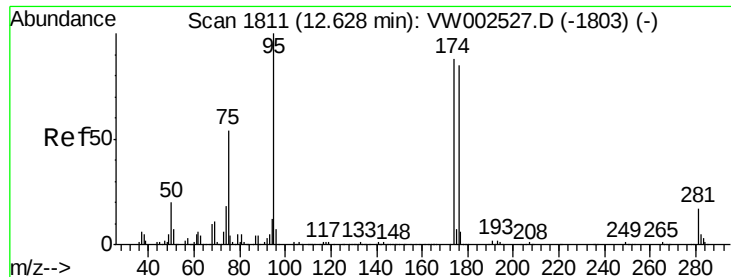
100 63.1 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 29.41 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampleId :

PS-RO-327

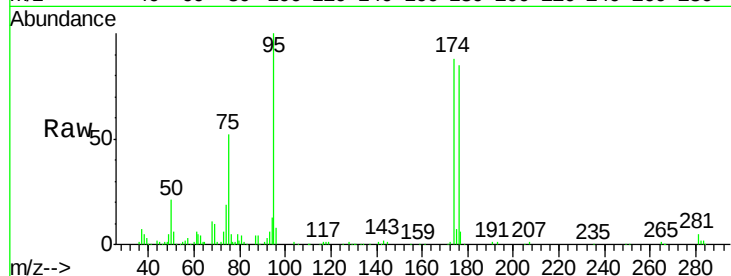
Tgt Ion: 95 Resp: 47082

Ion Ratio Lower Upper

95 100

174 89.6 0.0 176.6

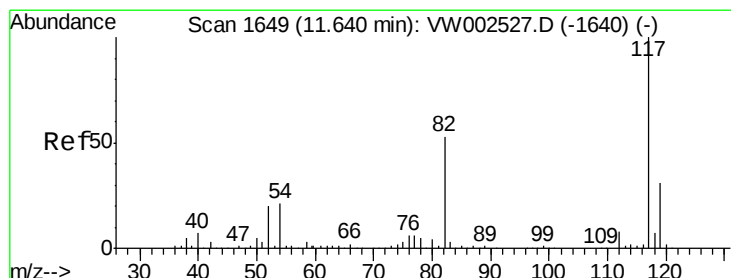
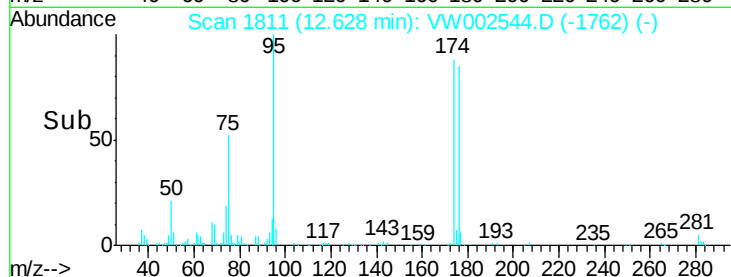
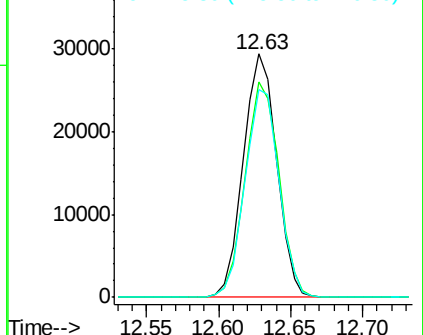
176 86.8 0.0 172.2



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: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

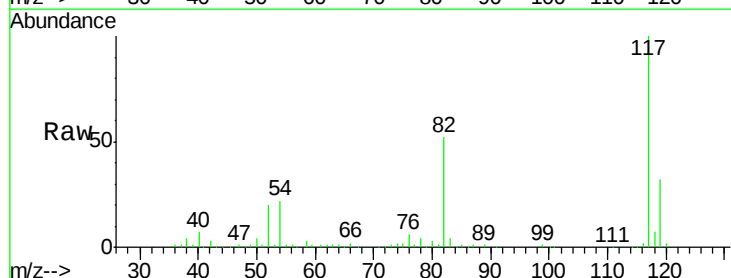
Tgt Ion: 117 Resp: 127054

Ion Ratio Lower Upper

117 100

82 51.8 42.6 64.0

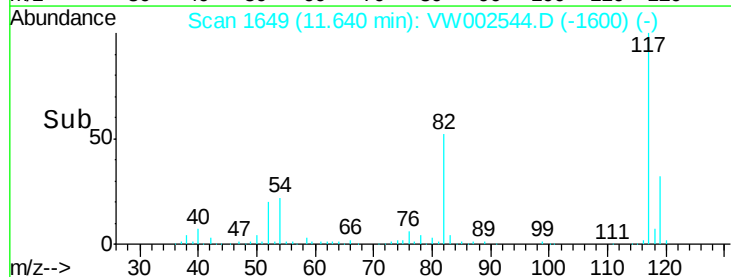
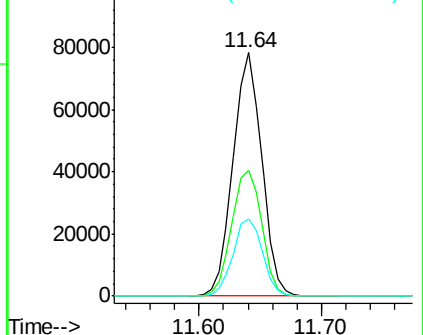
119 31.5 25.0 37.6

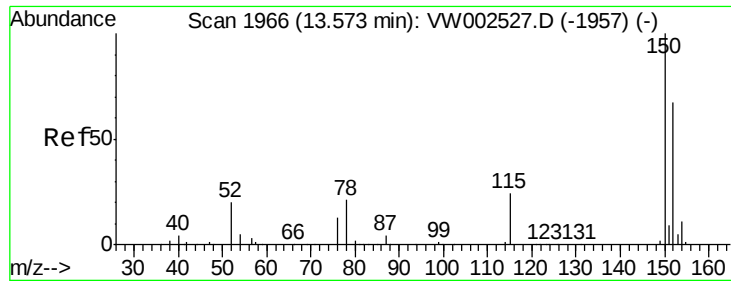


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampleId :

PS-RO-327

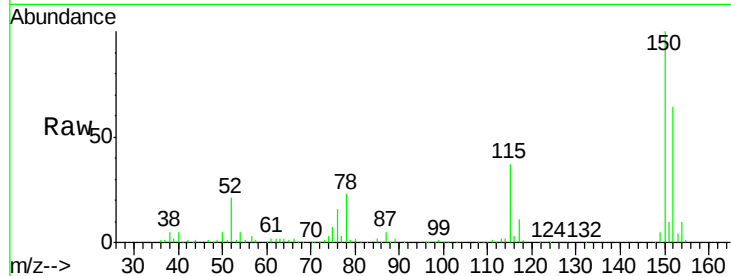
Tgt Ion:152 Resp: 49806

Ion Ratio Lower Upper

152 100

115 56.1 28.0 84.0

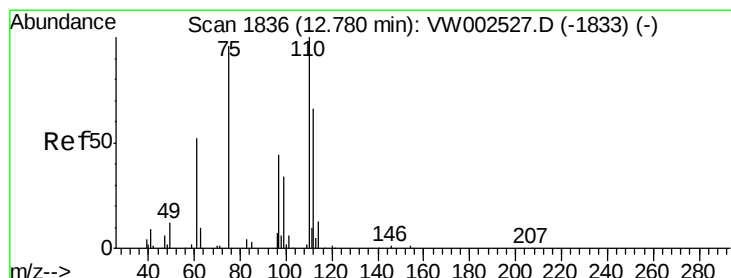
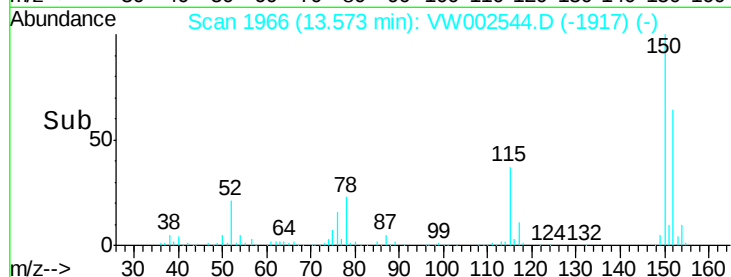
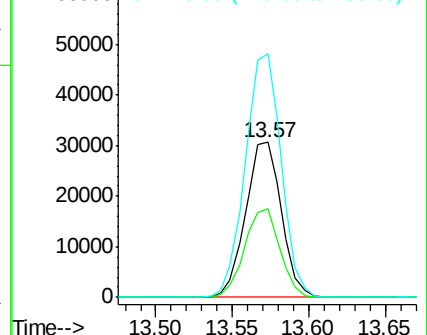
150 157.9 0.0 345.4



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: 52.52 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002544.D

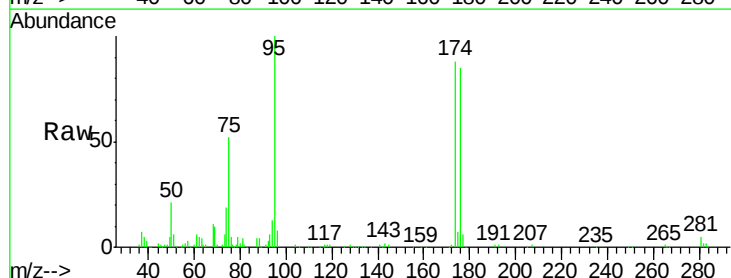
Acq: 15 May 2018 06:01

Tgt Ion: 75 Resp: 24728

Ion Ratio Lower Upper

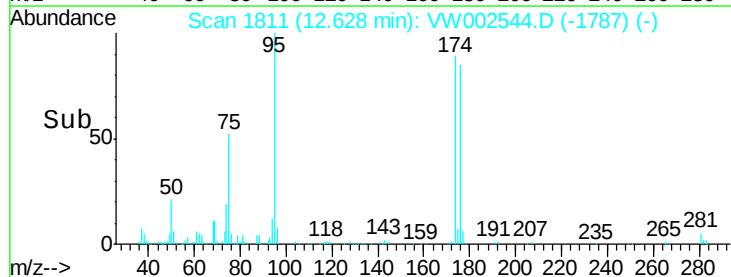
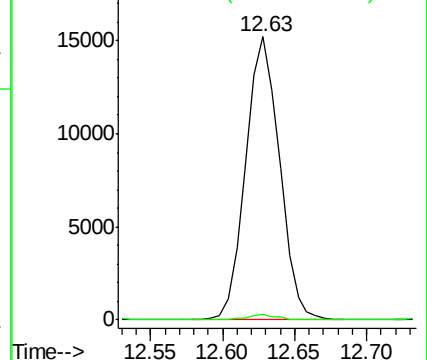
75 100

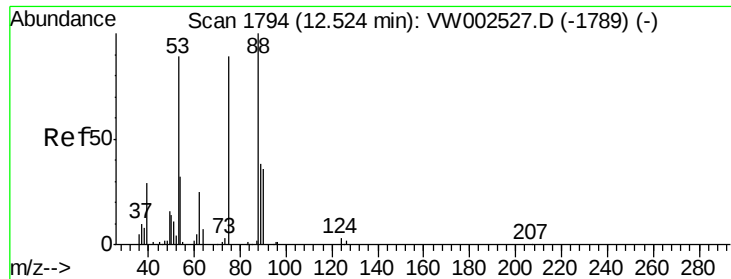
77 1.7 0.0 0.0#



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: 143.20 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002544.D

Acq: 15 May 2018 06:01

Instrument :

MSVOA_W

ClientSampleId :

PS-RO-327

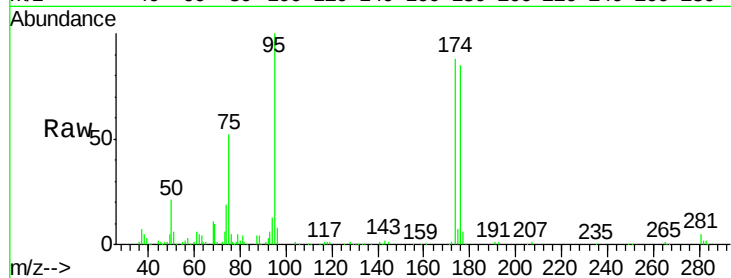
Tgt Ion: 75 Resp: 24728

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.1 39.2 58.8#



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

