

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007875.D
 Acq On : 23 Dec 2018 07:00
 Operator : SY/AP
 Sample : J6446-03
 Misc : 4.57G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-0006-01

Quant Time: Dec 24 00:00:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	88253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	47582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	12420	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	39817	62.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.46%	
35) Dibromofluoromethane	7.88	113	31196	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
50) Toluene-d8	10.32	98	84746	41.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.50%	
62) 4-Bromofluorobenzene	12.62	95	17145	21.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.74%	

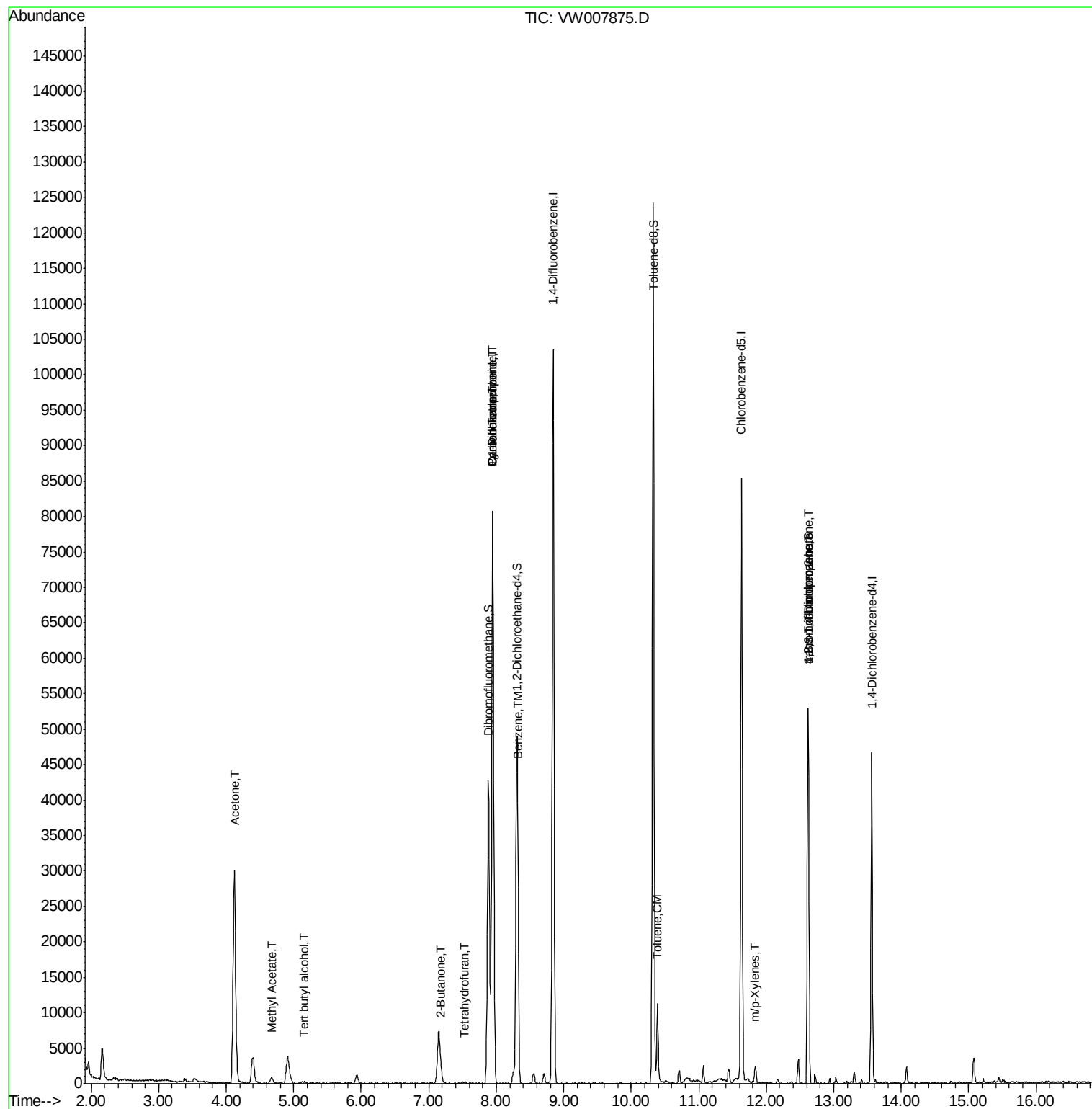
Target Compounds						Qvalue
11) Tert butyl alcohol	5.17	59	367	8.503	ug/l #	73
16) Acetone	4.12	43	52479	438.020	ug/l	95
18) Methyl Acetate	4.67	43	1534	5.384	ug/l #	87
20) Methylene Chloride	4.91	84	3424	Below Cal	#	93
25) 2-Butanone	7.18	43	3272	23.316	ug/l #	87
29) Tetrahydrofuran	7.53	42	167	1.995	ug/l #	27
31) Cyclohexane	7.95	56	1196	1.256	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	4441	5.214	ug/l #	49
38) Carbon Tetrachloride	7.95	117	6368	6.348	ug/l #	16
40) Benzene	8.32	78	5342	2.350	ug/l	91
52) Toluene	10.39	92	4812	3.155	ug/l	98
68) m/p-Xylenes	11.83	106	893	1.303	ug/l	81
76) 1,2,3-Trichloropropane	12.62	75	8822	91.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8822	192.906	ug/l #	9

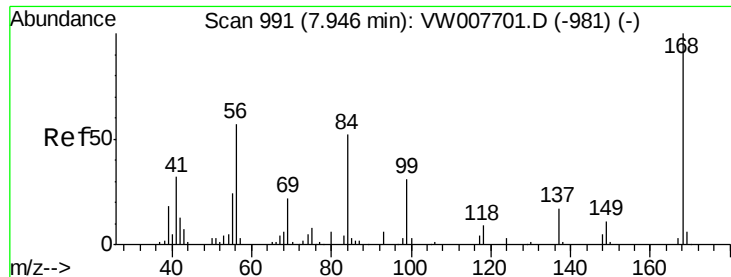
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007875.D

Acq: 23 Dec 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

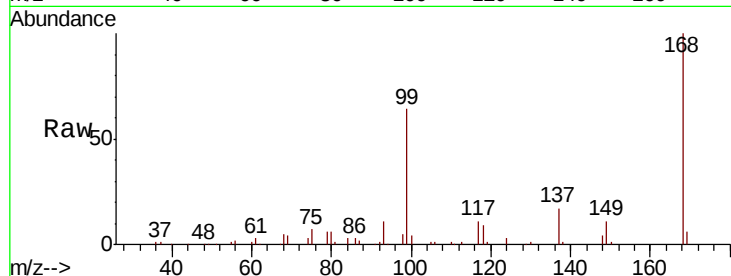
P001-SS026-0006-01

Tgt Ion:168 Resp: 58374

Ion Ratio Lower Upper

168 100

99 64.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

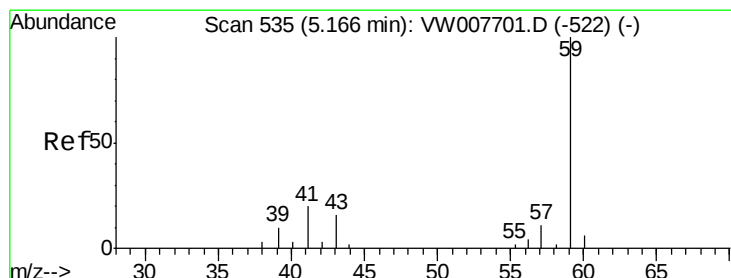
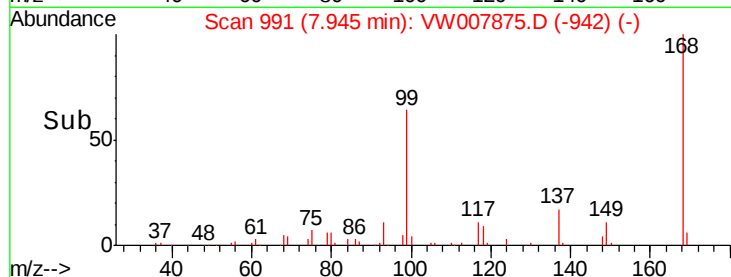
15000

10000

5000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.503 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007875.D

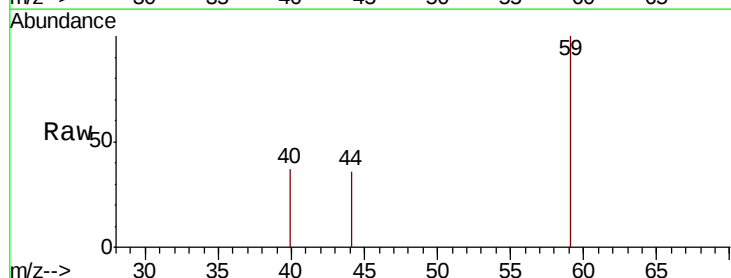
Acq: 23 Dec 2018 07:00

Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

200

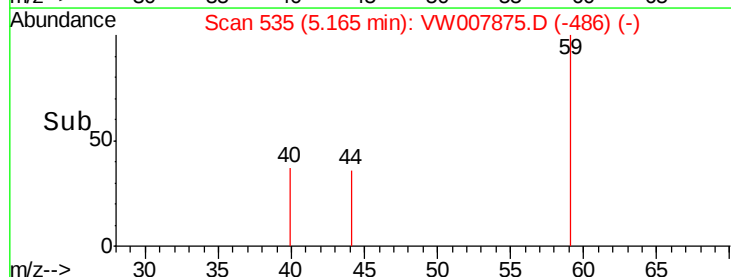
150

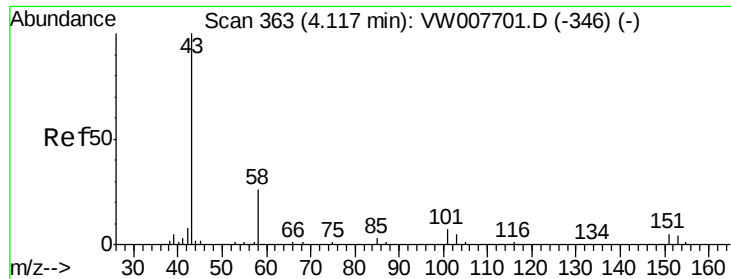
100

50

0

Time-->





#16

Acetone

Concen: 438.020 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007875.D

Acq: 23 Dec 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

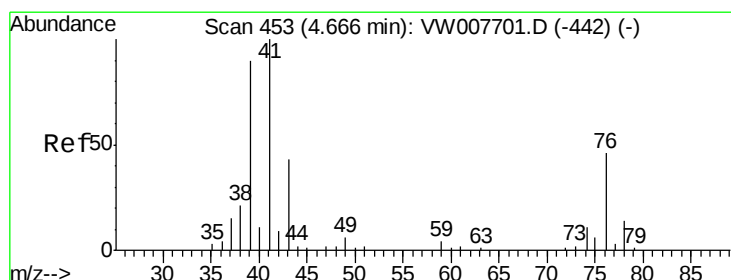
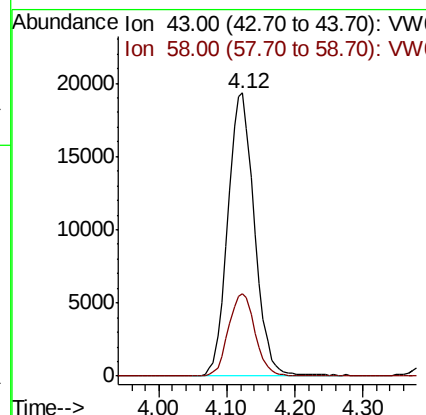
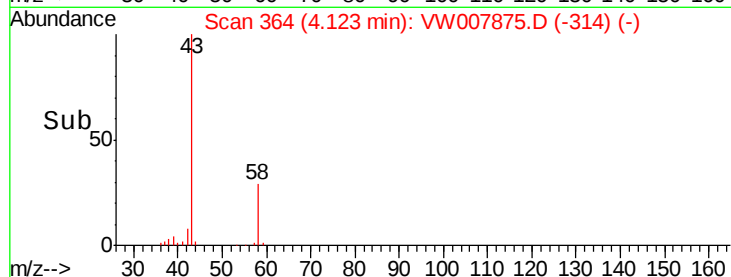
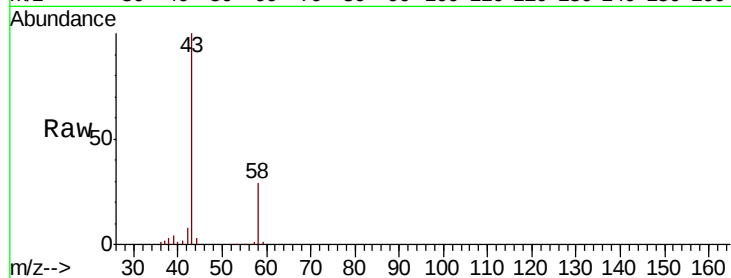
P001-SS026-0006-01

Tgt Ion: 43 Resp: 52479

Ion Ratio Lower Upper

43 100

58 29.1 21.2 31.8



#18

Methyl Acetate

Concen: 5.384 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007875.D

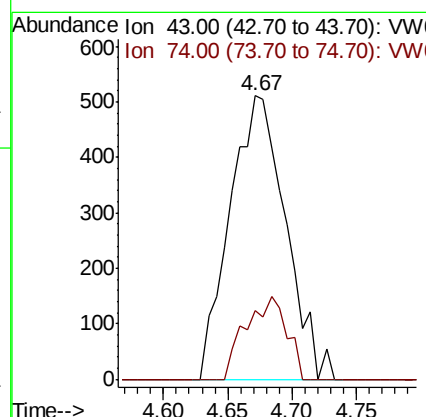
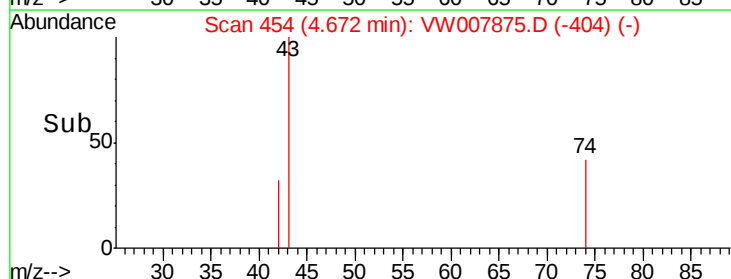
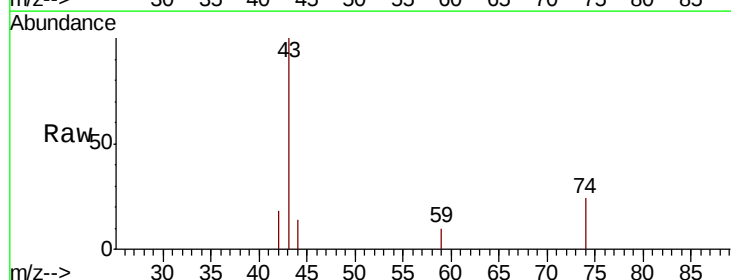
Acq: 23 Dec 2018 07:00

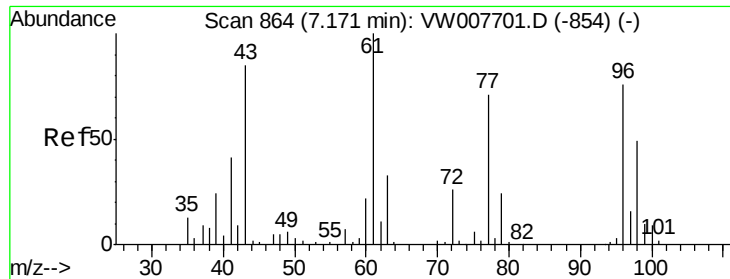
Tgt Ion: 43 Resp: 1534

Ion Ratio Lower Upper

43 100

74 21.4 22.7 34.1#

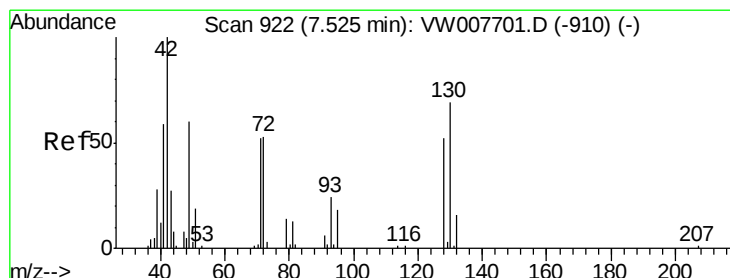
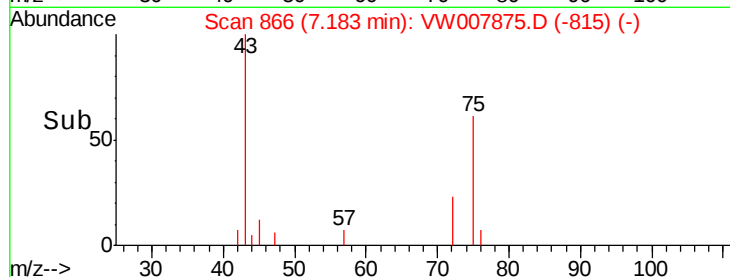
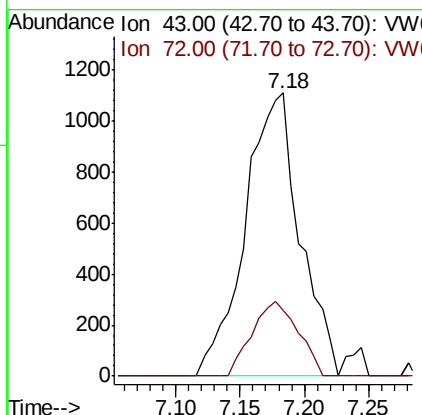
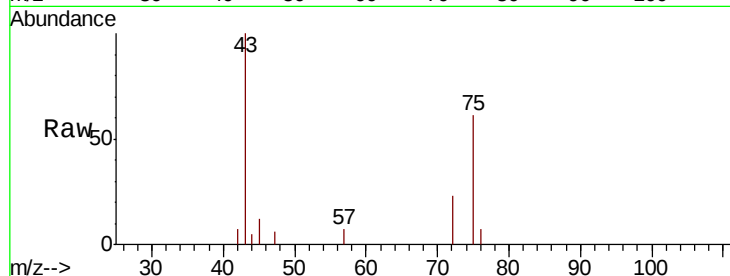




#25
2-Butanone
Concen: 23.316 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW007875.D
Acq: 23 Dec 2018 07:00

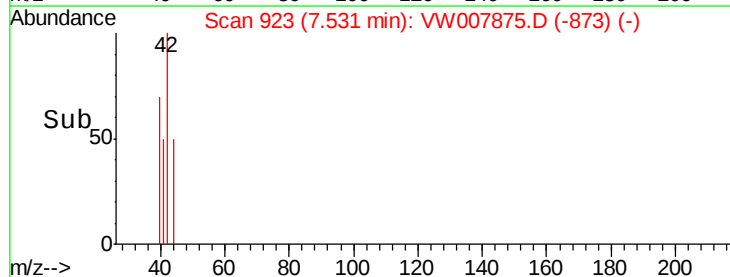
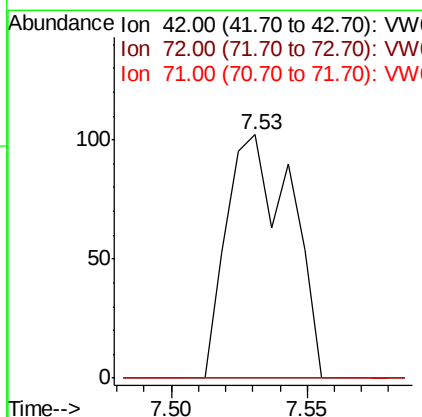
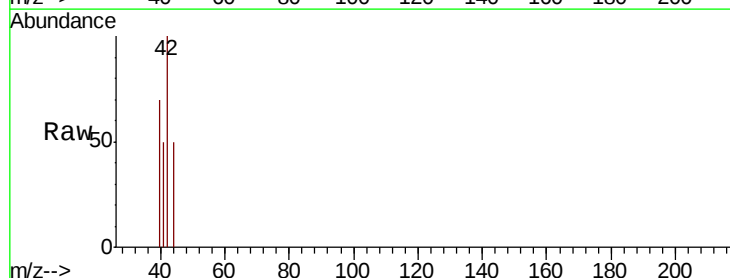
Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-0006-01

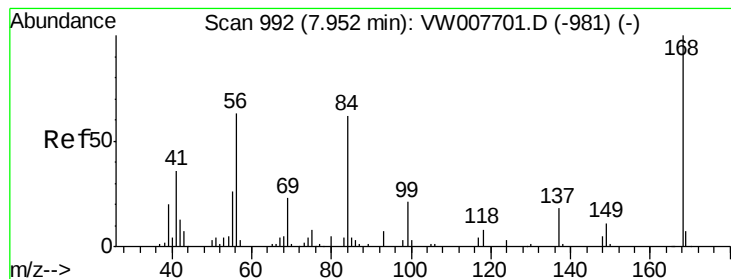
Tgt Ion: 43 Resp: 3272
Ion Ratio Lower Upper
43 100
72 23.5 24.5 36.7#



#29
Tetrahydrofuran
Concen: 1.995 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007875.D
Acq: 23 Dec 2018 07:00

Tgt Ion: 42 Resp: 167
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 39.0 58.6#





#31

Cyclohexane

Concen: 1.256 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007875.D

Acq: 23 Dec 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS026-0006-01

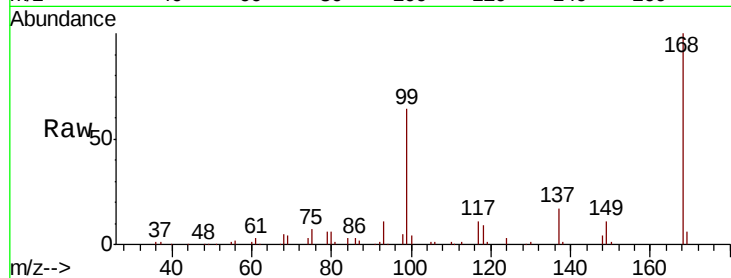
Tgt Ion: 56 Resp: 1196

Ion Ratio Lower Upper

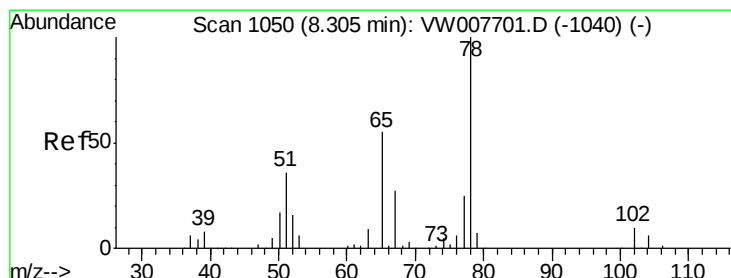
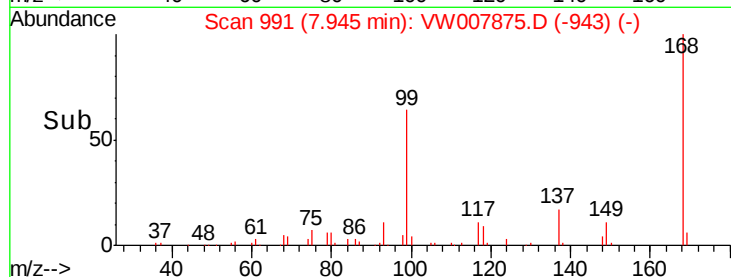
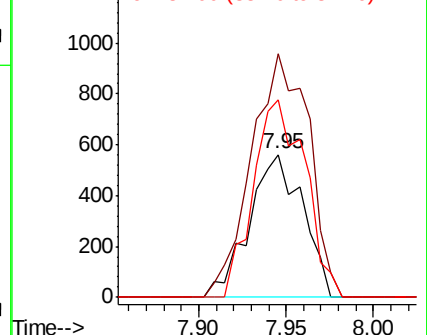
56 100

69 170.5 29.7 44.5#

84 137.9 78.9 118.3#



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: 62.233 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007875.D

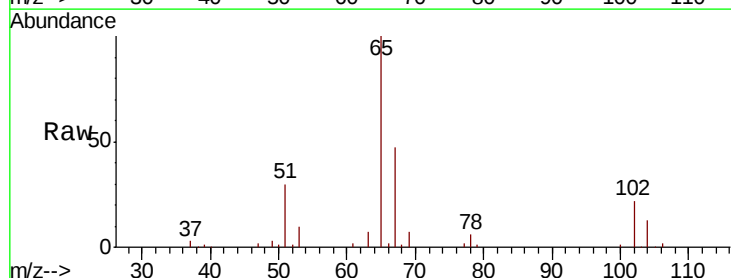
Acq: 23 Dec 2018 07:00

Tgt Ion: 65 Resp: 39817

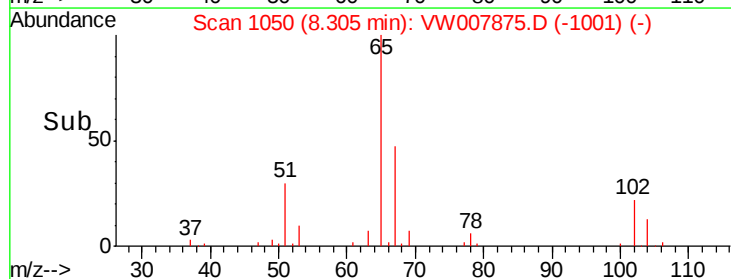
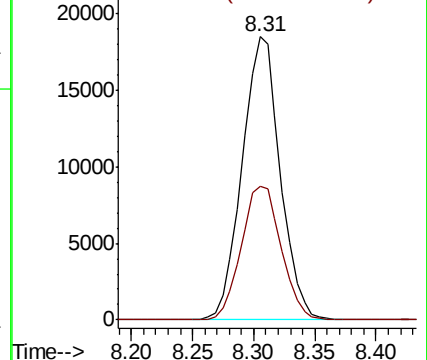
Ion Ratio Lower Upper

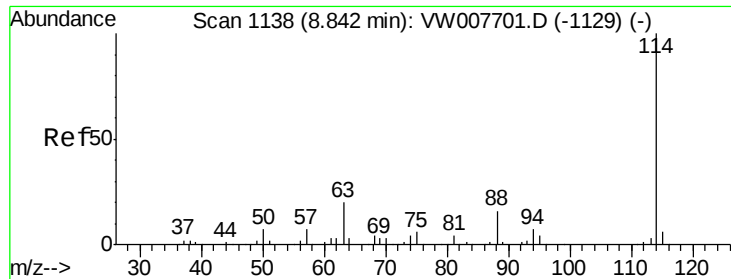
65 100

67 49.5 0.0 100.6



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

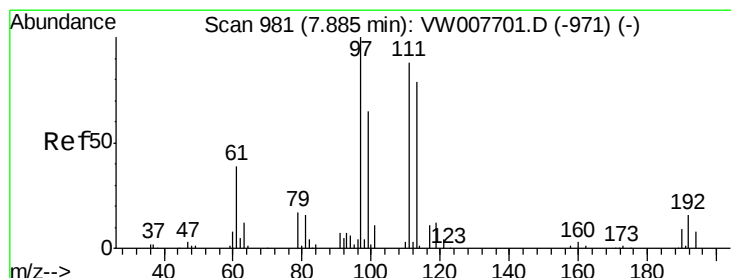
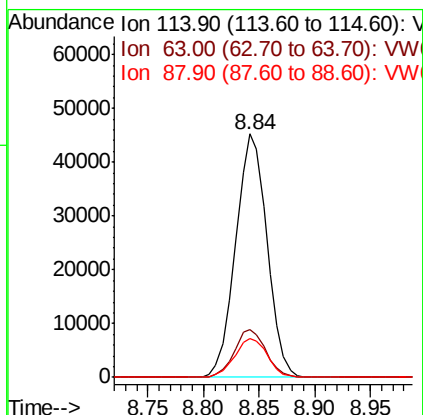
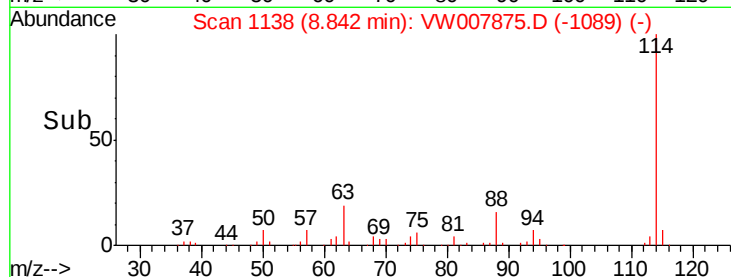
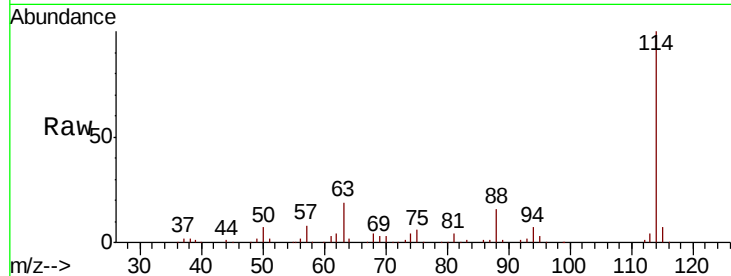




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007875.D
 Acq: 23 Dec 2018 07:00

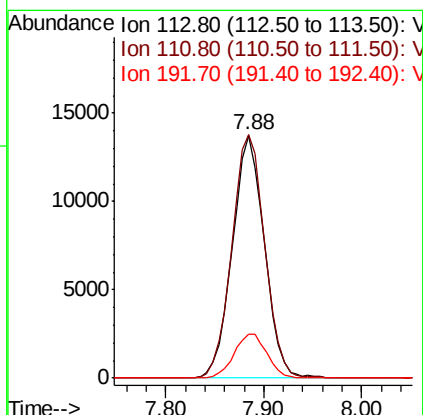
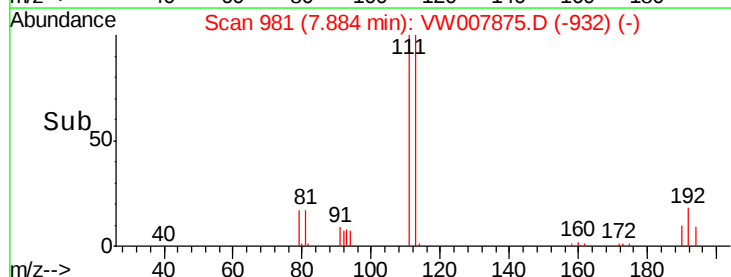
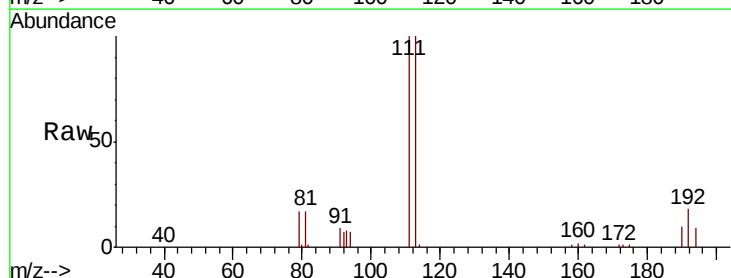
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 P001-SS026-0006-01

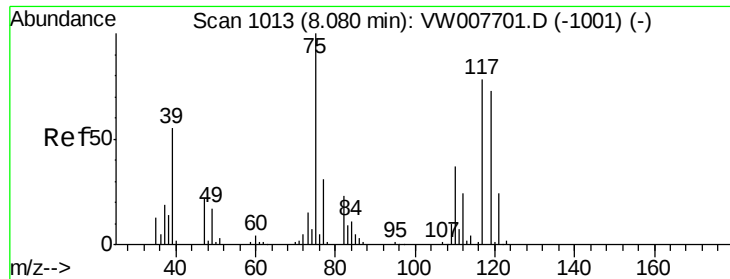
Tgt Ion:114 Resp: 88253
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.9 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 57.943 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007875.D
 Acq: 23 Dec 2018 07:00

Tgt Ion:113 Resp: 31196
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 124.0
 192 18.6 15.5 23.3

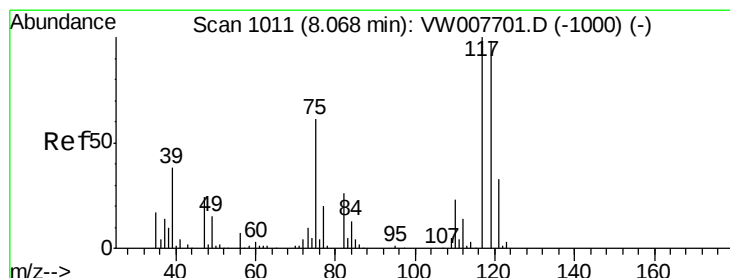
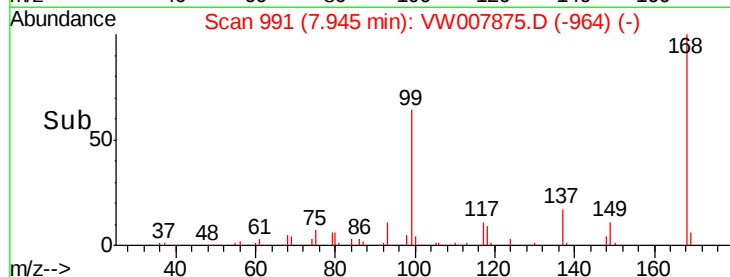
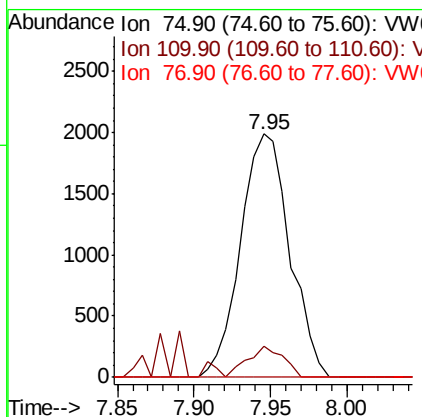
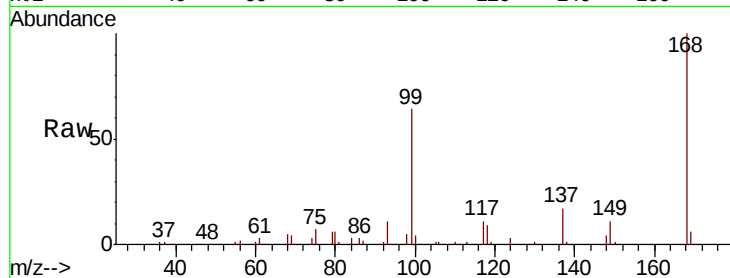




#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007875.D
 Acq: 23 Dec 2018 07:00

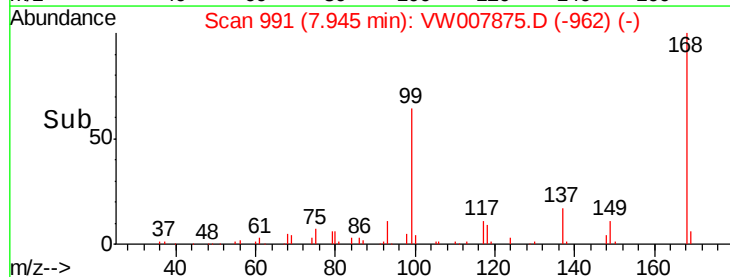
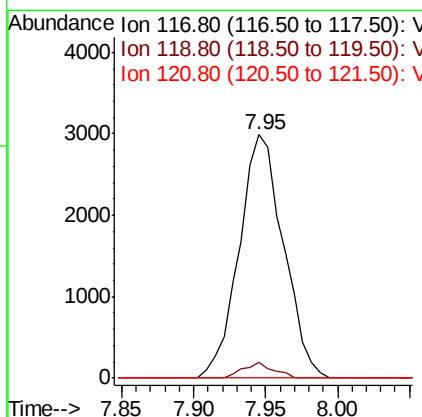
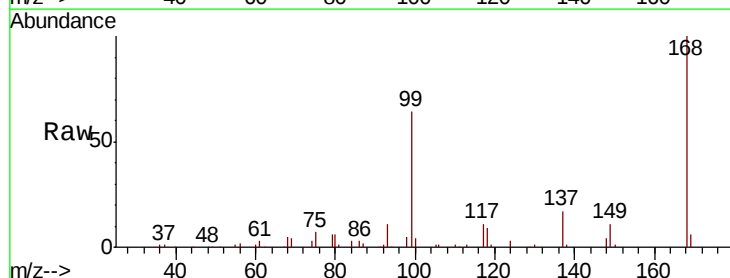
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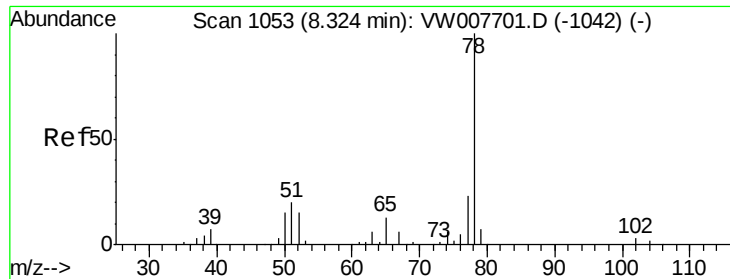
Tgt Ion: 75 Resp: 4441
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.6 55.8#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.348 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007875.D
 Acq: 23 Dec 2018 07:00

Tgt Ion: 117 Resp: 6368
 Ion Ratio Lower Upper
 117 100
 119 6.7 78.2 117.2#
 121 0.0 26.1 39.1#





#40

Benzene

Concen: 2.350 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007875.D

Acq: 23 Dec 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

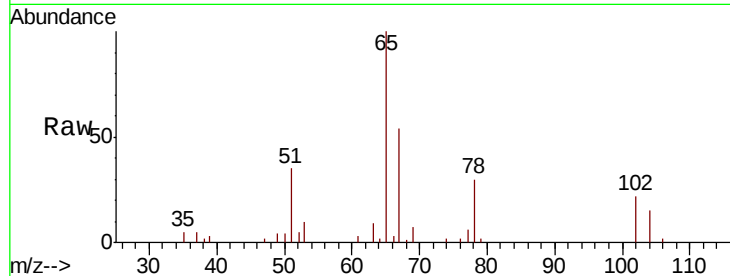
P001-SS026-0006-01

Tgt Ion: 78 Resp: 5342

Ion Ratio Lower Upper

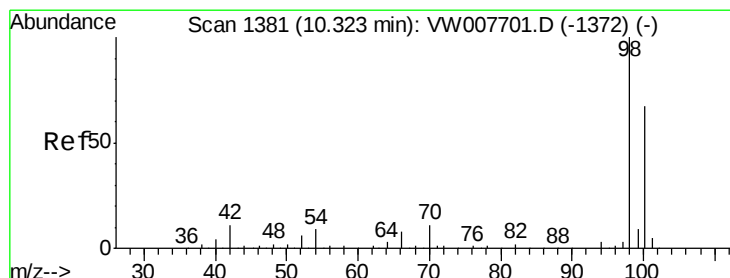
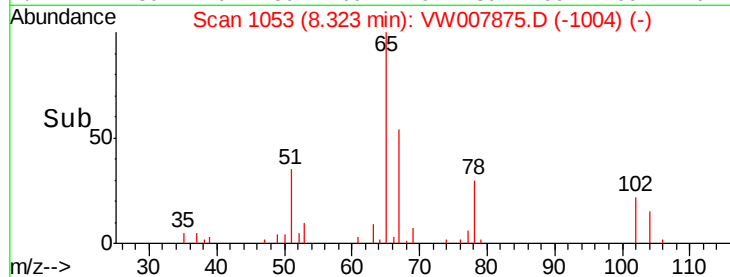
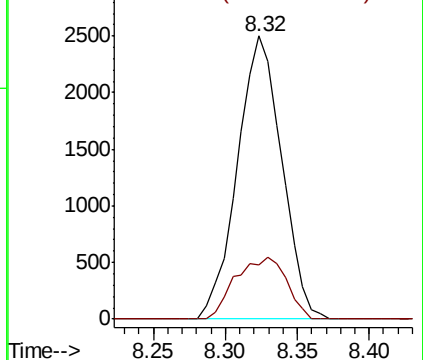
78 100

77 19.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 41.754 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007875.D

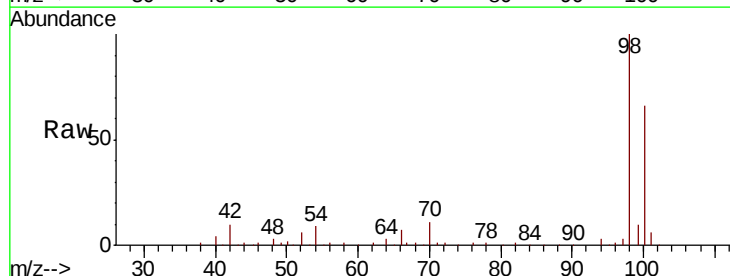
Acq: 23 Dec 2018 07:00

Tgt Ion: 98 Resp: 84746

Ion Ratio Lower Upper

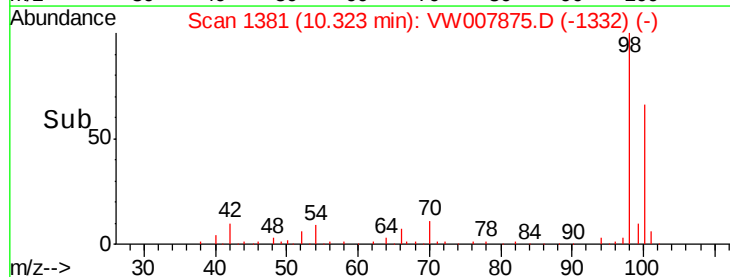
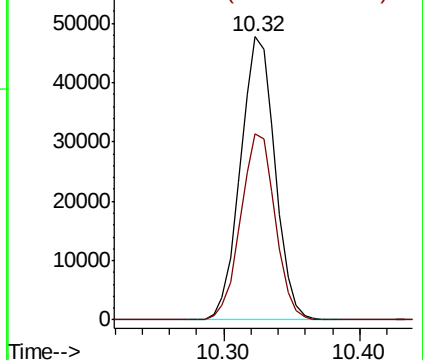
98 100

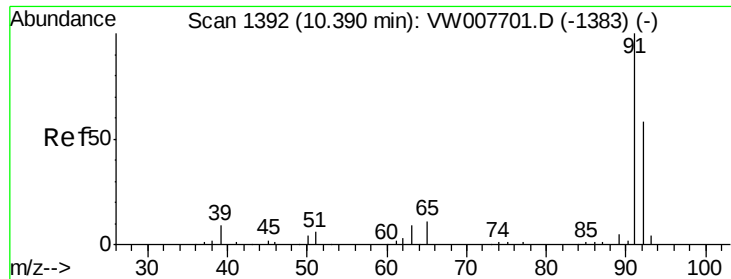
100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.155 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007875.D

Acq: 23 Dec 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

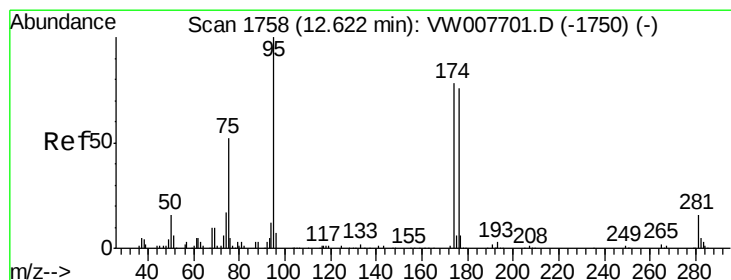
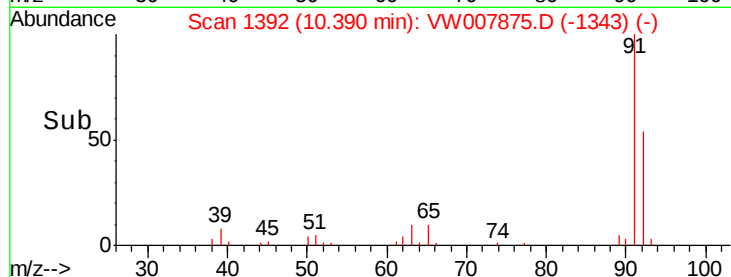
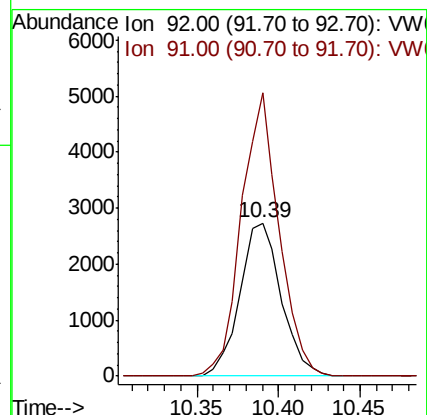
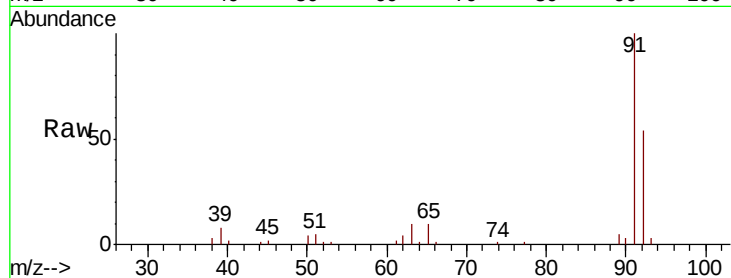
P001-SS026-0006-01

Tgt Ion: 92 Resp: 4812

Ion Ratio Lower Upper

92 100

91 168.7 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 21.866 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007875.D

Acq: 23 Dec 2018 07:00

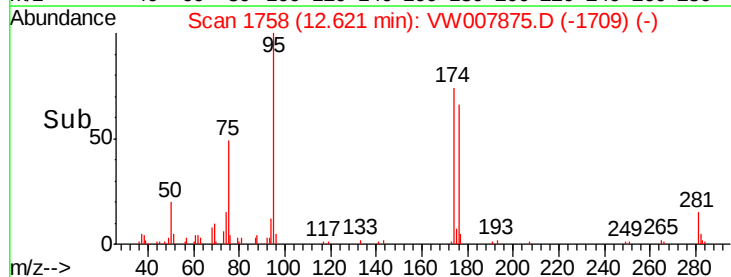
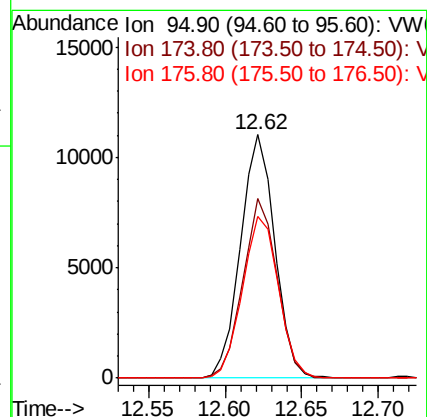
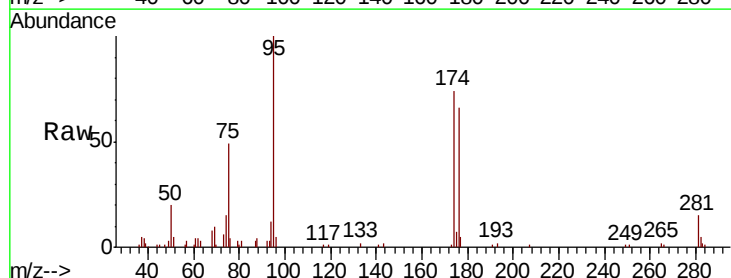
Tgt Ion: 95 Resp: 17145

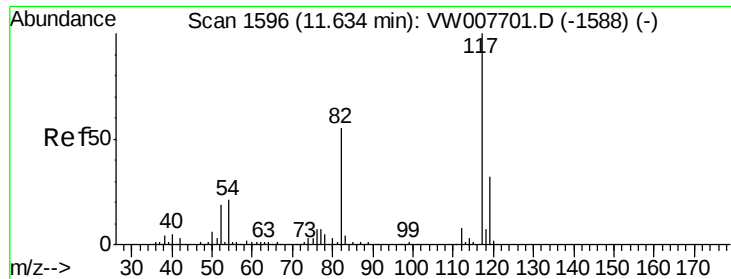
Ion Ratio Lower Upper

95 100

174 73.3 0.0 152.2

176 70.0 0.0 146.8

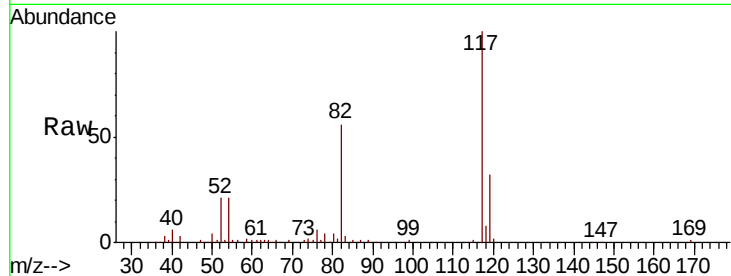




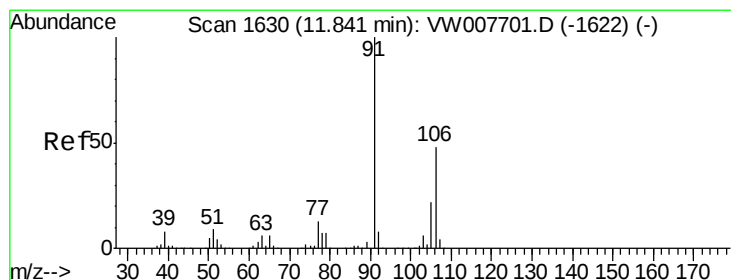
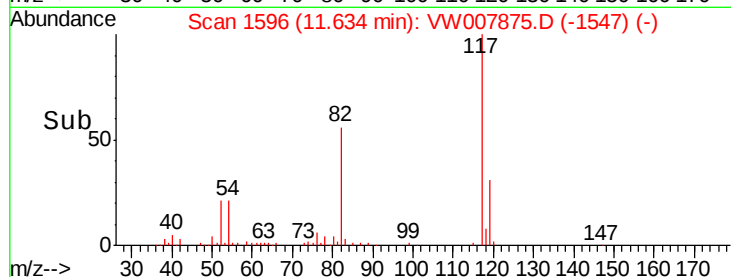
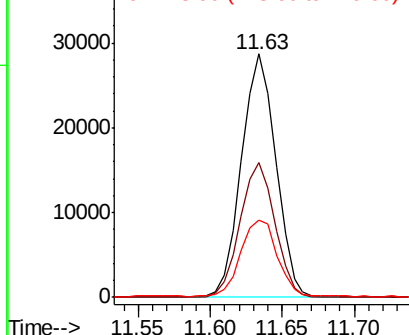
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007875.D
Acq: 23 Dec 2018 07:00

Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-0006-01

Tgt Ion:117 Resp: 47582
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 31.1 25.7 38.5

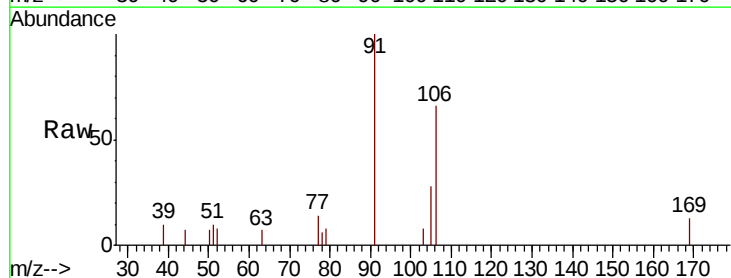


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

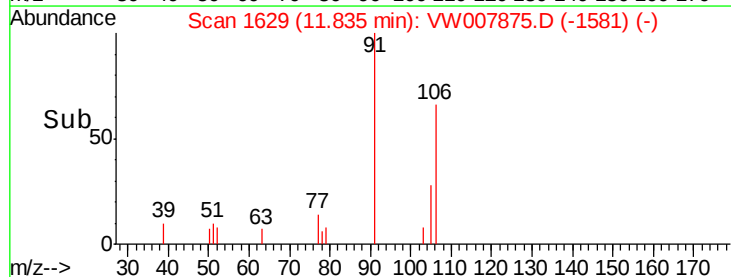
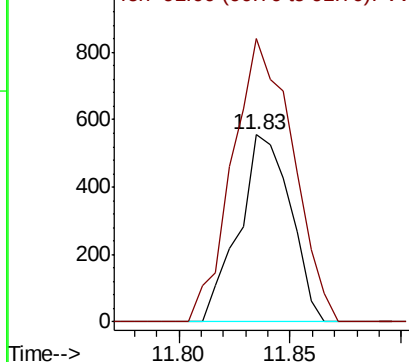


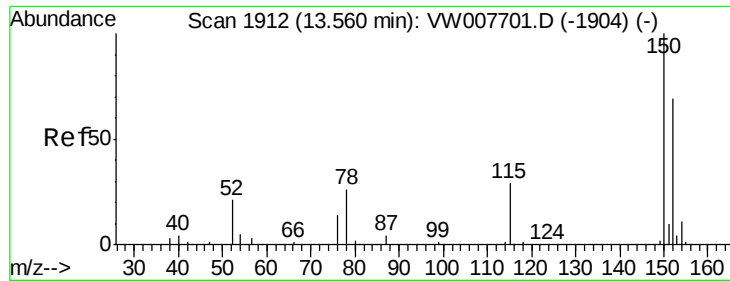
#68
m/p-Xylenes
Concen: 1.303 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007875.D
Acq: 23 Dec 2018 07:00

Tgt Ion:106 Resp: 893
Ion Ratio Lower Upper
106 100
91 177.5 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007875.D

Acq: 23 Dec 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS026-0006-01

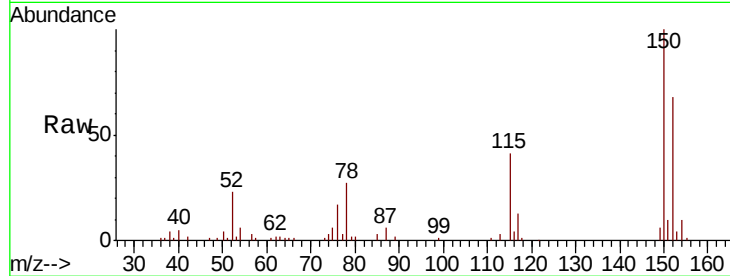
Tgt Ion:152 Resp: 12420

Ion Ratio Lower Upper

152 100

115 60.7 31.8 95.4

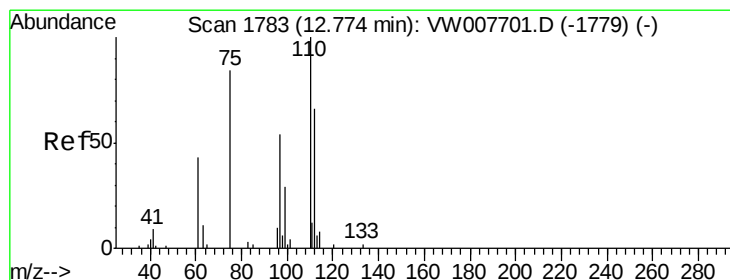
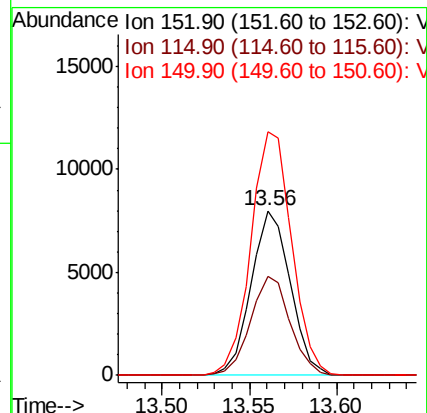
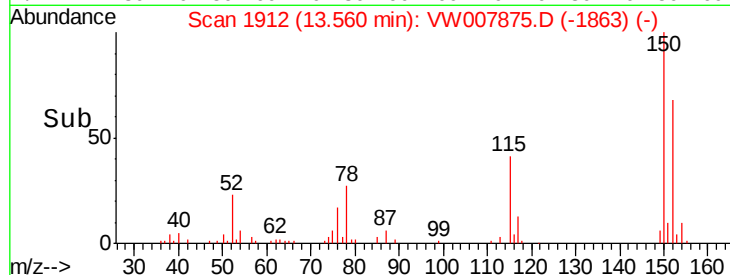
150 154.2 0.0 350.8



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: 91.901 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007875.D

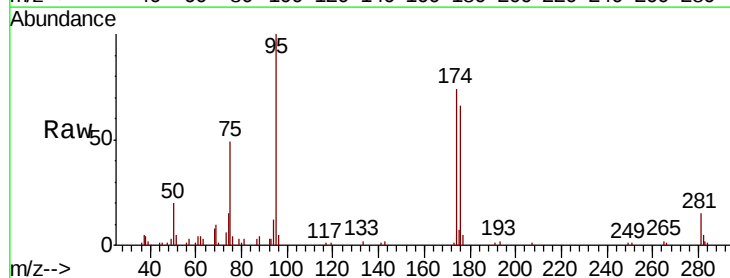
Acq: 23 Dec 2018 07:00

Tgt Ion: 75 Resp: 8822

Ion Ratio Lower Upper

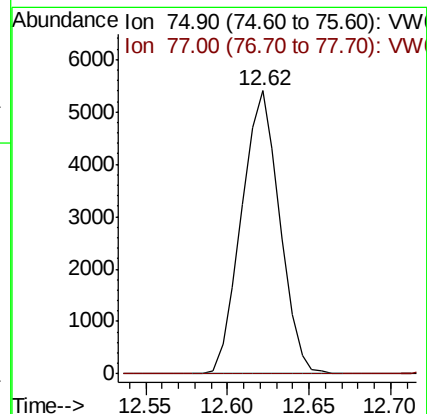
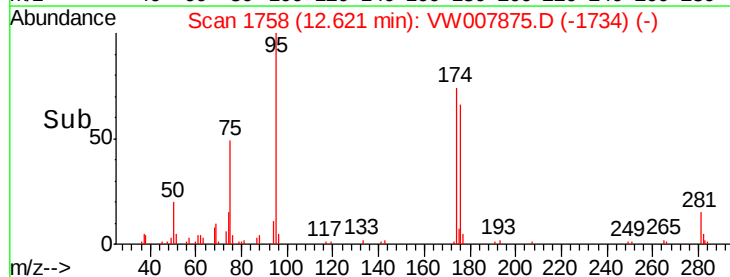
75 100

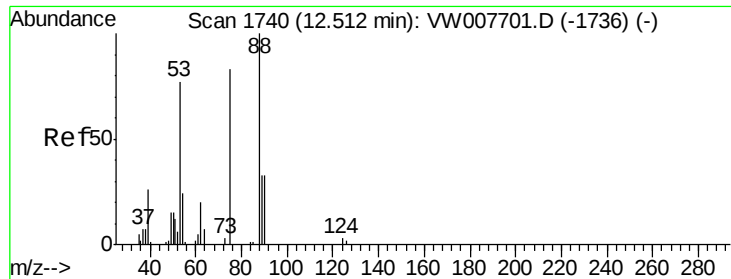
77 0.0 0.0 0.0



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: 192.906 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007875.D
 Acq: 23 Dec 2018 07:00

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-0006-01

Tgt Ion: 75 Resp: 8822
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

