

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092218\
 Data File : VW005572.D
 Acq On : 21 Sep 2018 20:24
 Operator : VA/AP
 Sample : J4777-15
 Misc : 5.13G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-0920-18-C

Quant Time: Sep 21 23:17:03 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	127216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	205037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	167883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	51534	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	73452	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
35) Dibromofluoromethane	7.89	113	59500	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	10.33	98	195428	37.22	ug/l	0.00
Spiked Amount			Recovery	=	74.44%	
62) 4-Bromofluorobenzene	12.63	95	49656	25.56	ug/l	0.00
Spiked Amount			Recovery	=	51.12%	

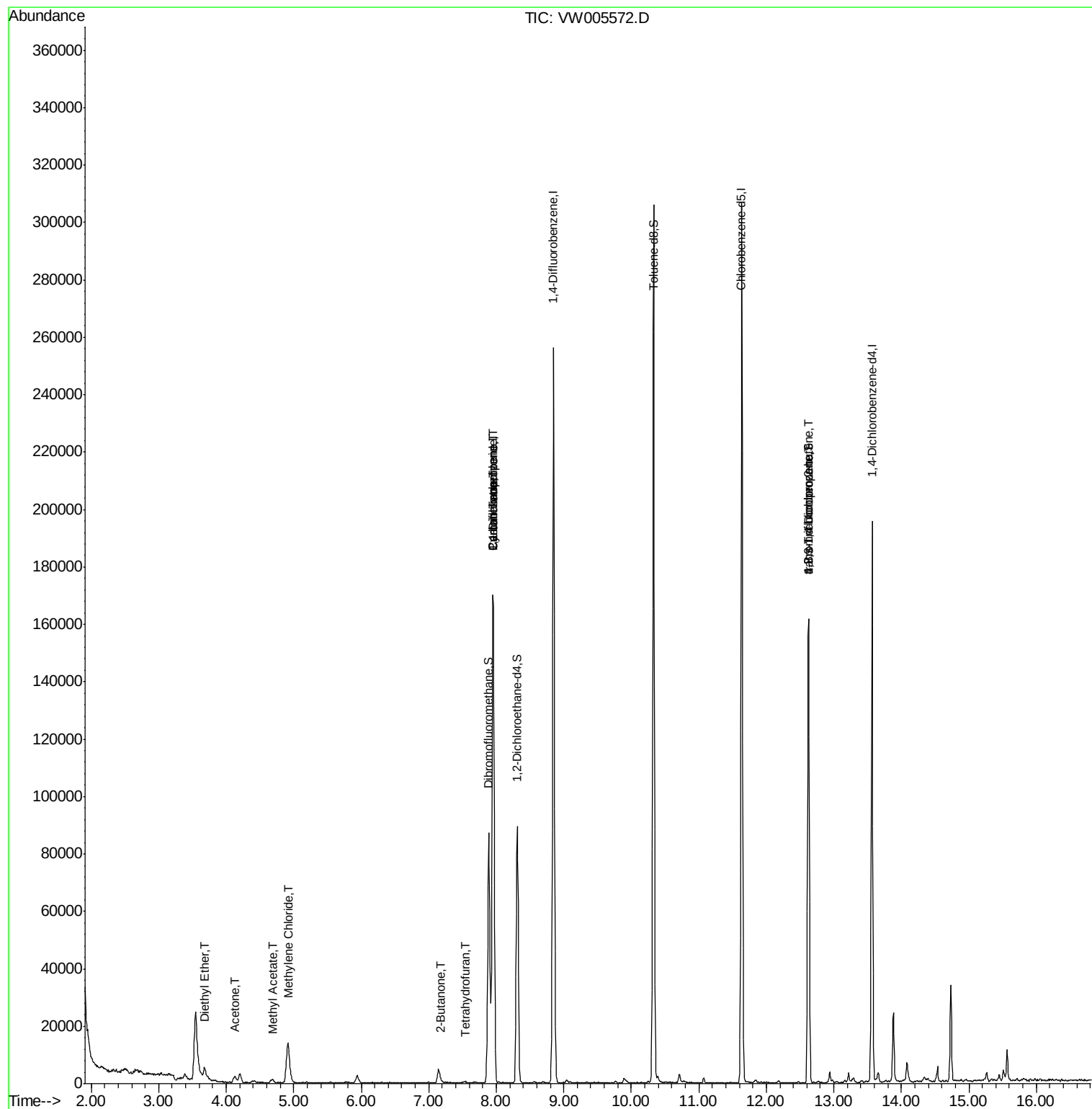
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	22	Below Cal	#	41
8) Diethyl Ether	3.68	74	2129	3.409	ug/l	78
11) Tert butyl alcohol	5.20	59	103	Below Cal	#	72
16) Acetone	4.12	43	4499	10.038	ug/l	90
18) Methyl Acetate	4.68	43	2506	3.528	ug/l #	57
20) Methylene Chloride	4.92	84	11637	5.447	ug/l #	87
25) 2-Butanone	7.18	43	394	1.082	ug/l #	50
29) Tetrahydrofuran	7.54	42	330	1.451	ug/l #	51
31) Cyclohexane	7.95	56	2816	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10286	4.983	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12982	5.869	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	26831	61.078	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	26831	137.566	ug/l #	7

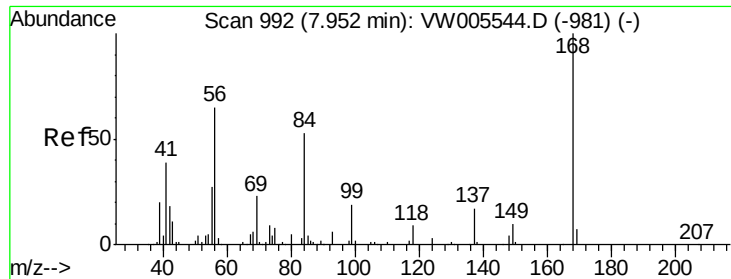
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

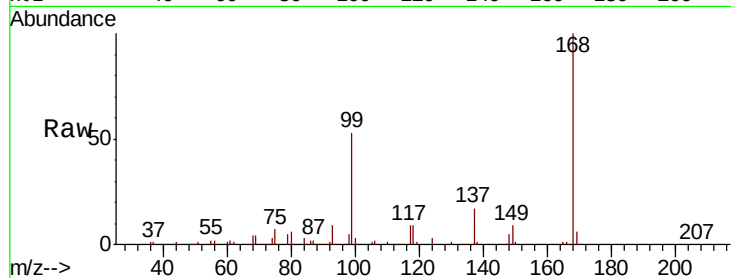
PL-02-0920-18-C

Tgt Ion:168 Resp: 127216

Ion Ratio Lower Upper

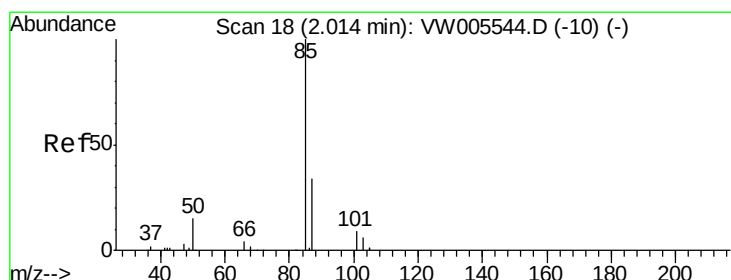
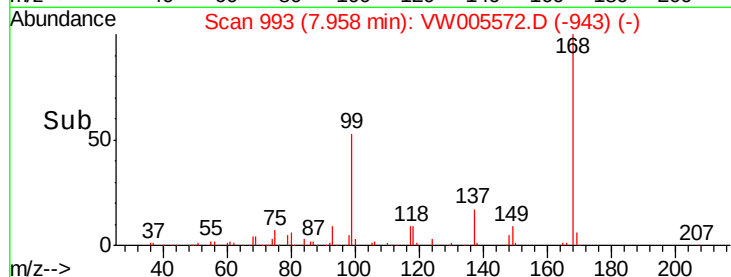
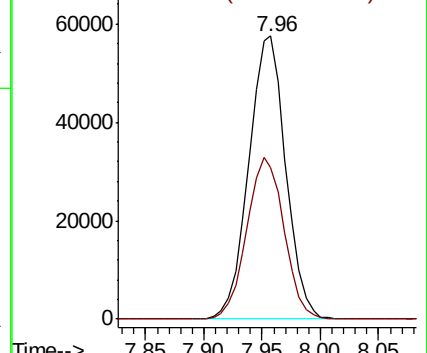
168 100

99 53.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW005572.D

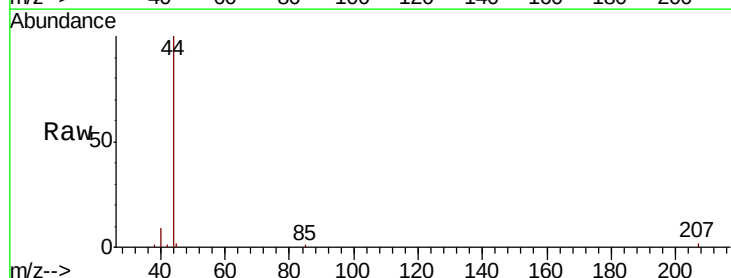
Acq: 21 Sep 2018 20:24

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

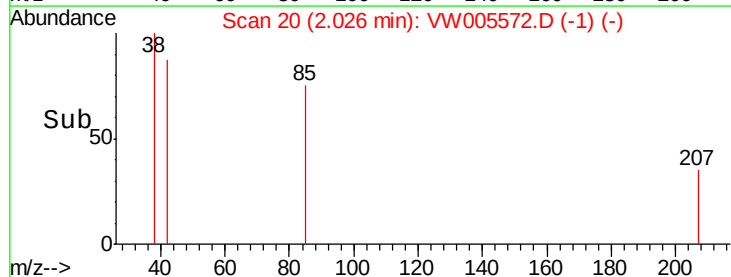
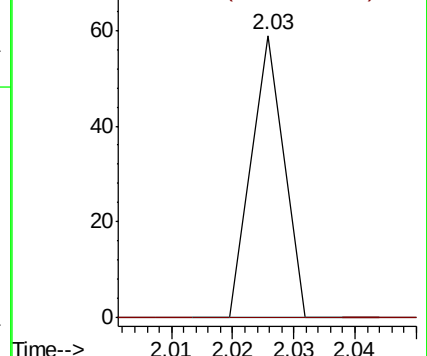
85 100

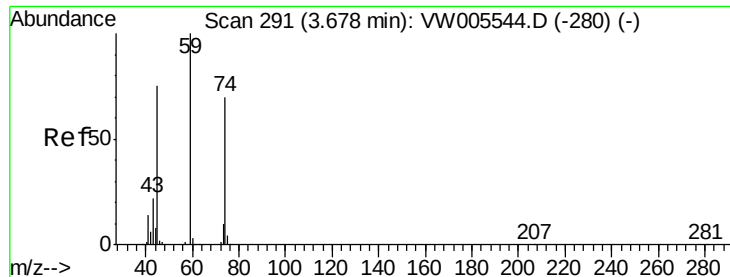
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#8

Diethyl Ether

Concen: 3.409 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

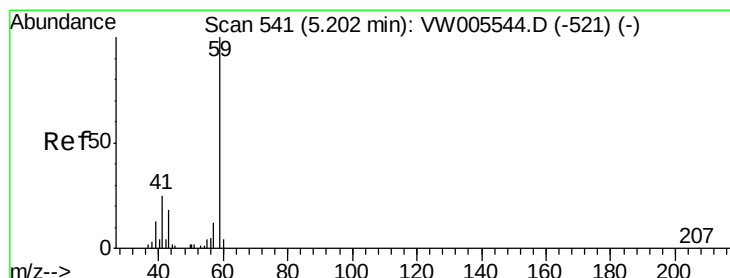
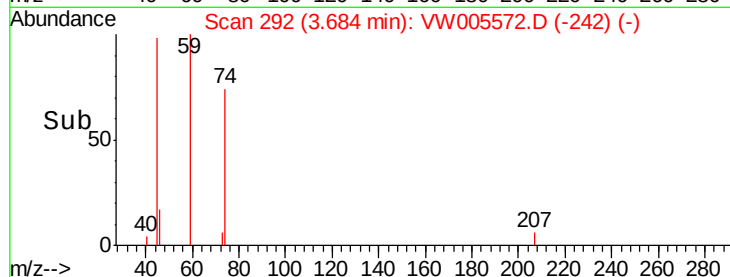
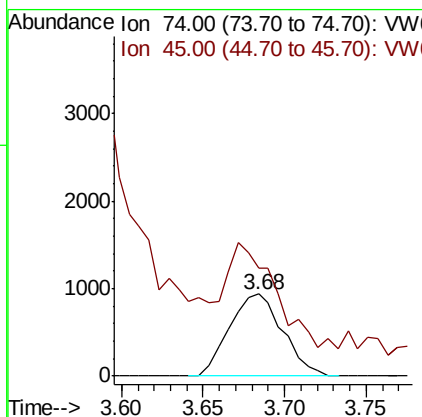
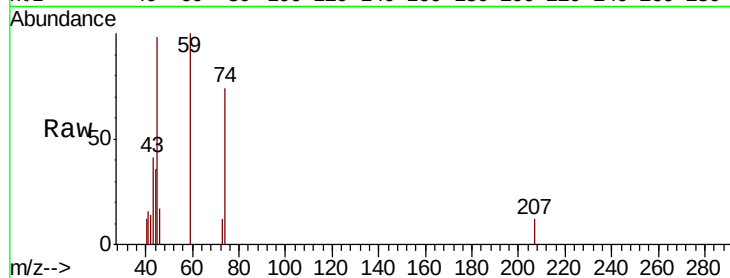
PL-02-0920-18-C

Tgt Ion: 74 Resp: 2129

Ion Ratio Lower Upper

74 100

45 126.1 51.7 155.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. -0.01 min

Lab File: VW005572.D

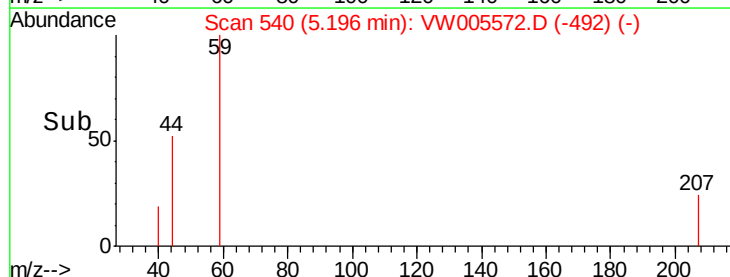
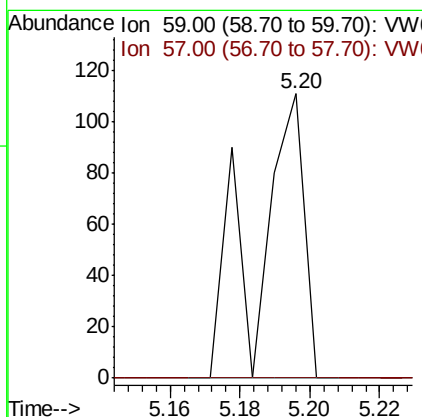
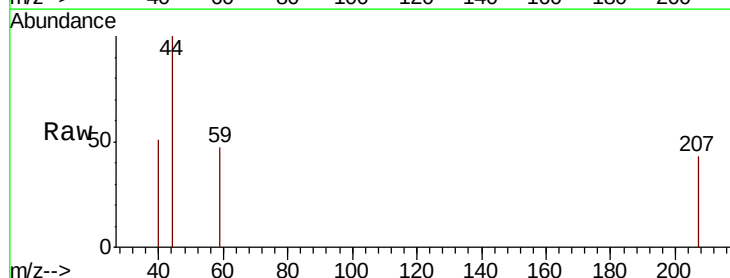
Acq: 21 Sep 2018 20:24

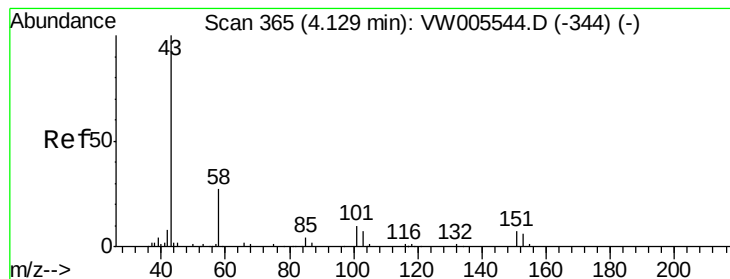
Tgt Ion: 59 Resp: 103

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 10.038 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

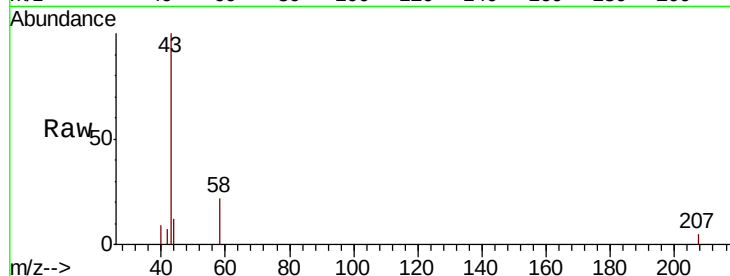
PL-02-0920-18-C

Tgt Ion: 43 Resp: 4499

Ion Ratio Lower Upper

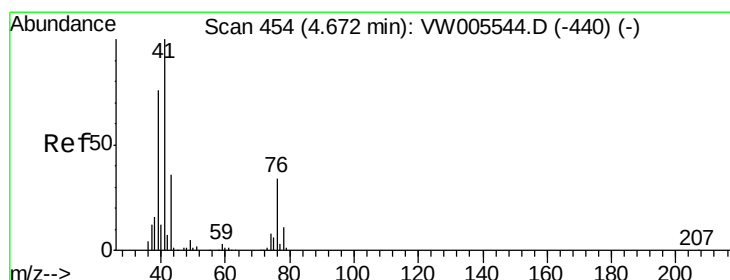
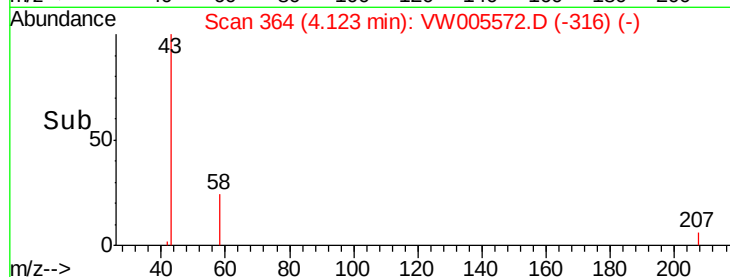
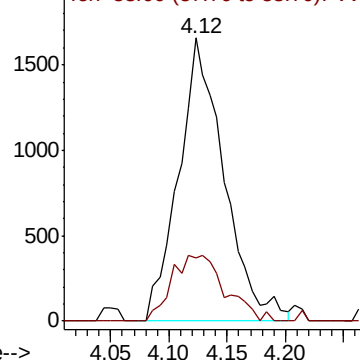
43 100

58 22.1 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 3.528 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW005572.D

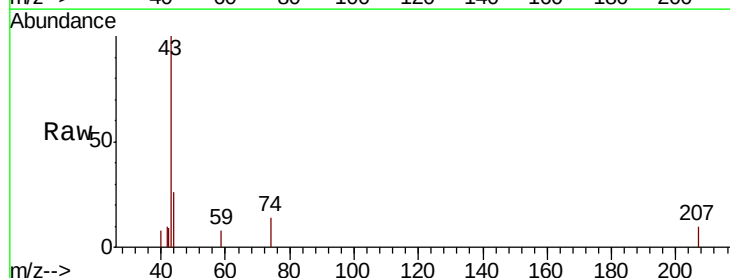
Acq: 21 Sep 2018 20:24

Tgt Ion: 43 Resp: 2506

Ion Ratio Lower Upper

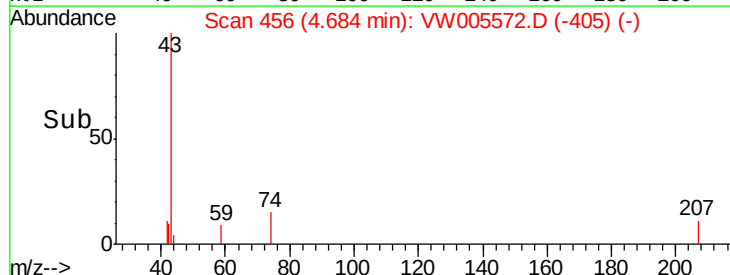
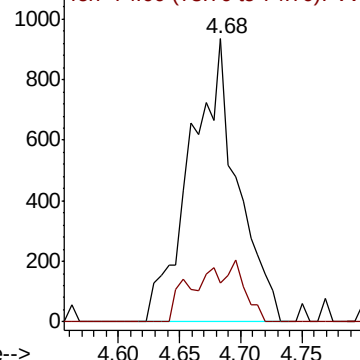
43 100

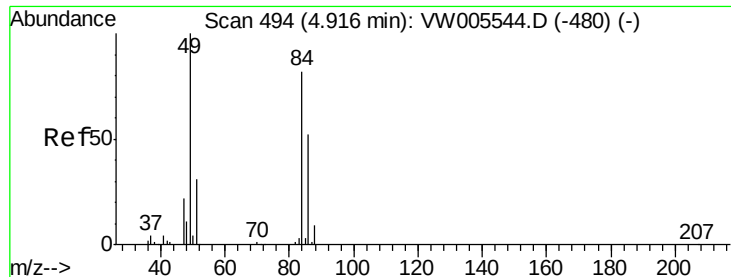
74 2.8 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

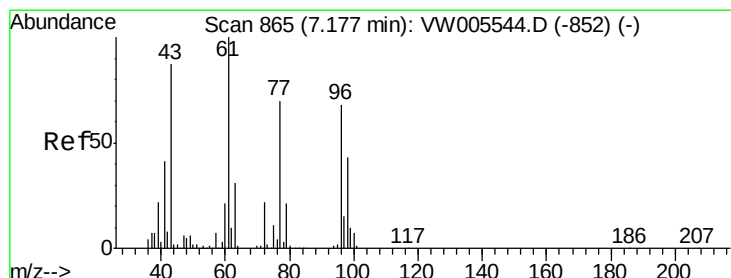
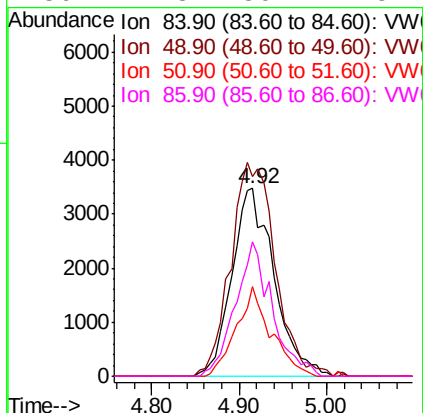
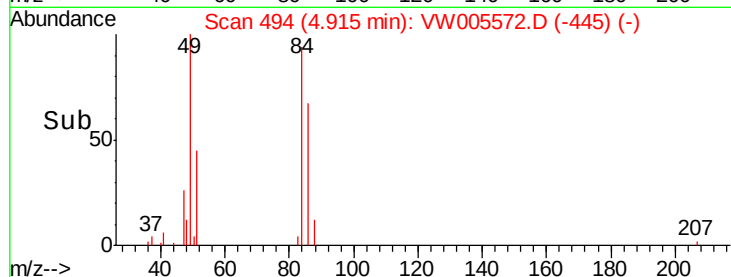
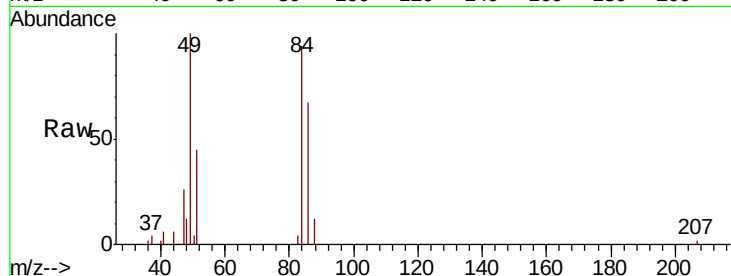




#20
Methylene Chloride
Concen: 5.447 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005572.D
Acq: 21 Sep 2018 20:24

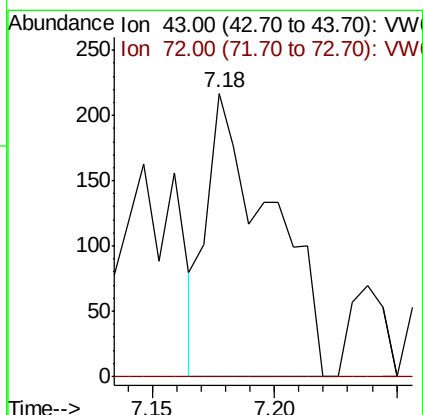
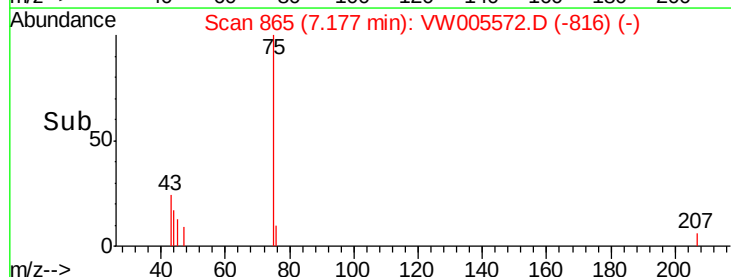
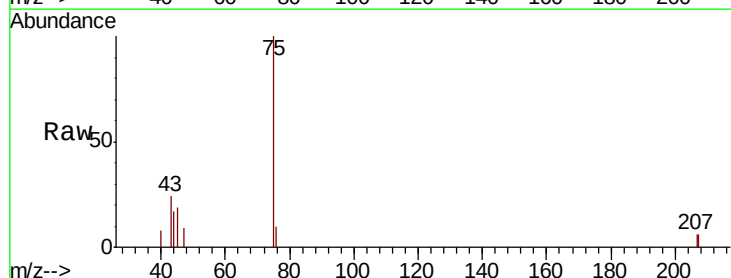
Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-C

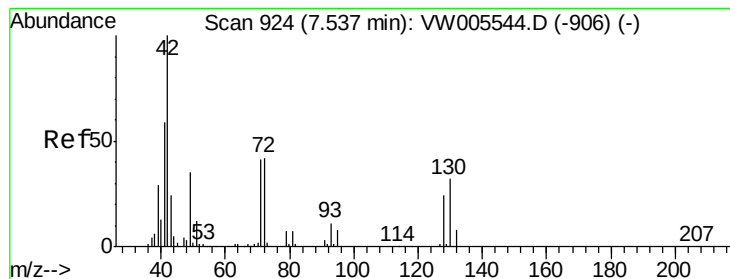
Tgt Ion: 84 Resp: 11637
Ion Ratio Lower Upper
84 100
49 106.4 97.0 145.6
51 47.4 30.2 45.2#
86 71.8 50.2 75.4



#25
2-Butanone
Concen: 1.082 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW005572.D
Acq: 21 Sep 2018 20:24

Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#29

Tetrahydrofuran

Concen: 1.451 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

PL-02-0920-18-C

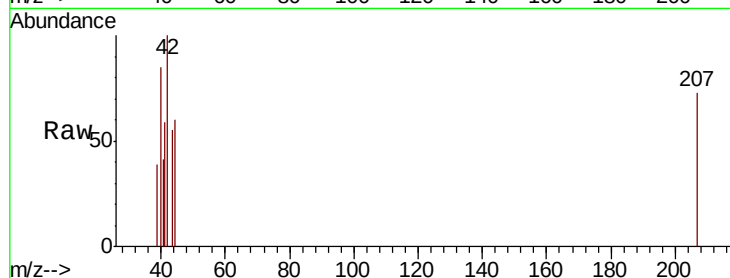
Tgt Ion: 42 Resp: 330

Ion Ratio Lower Upper

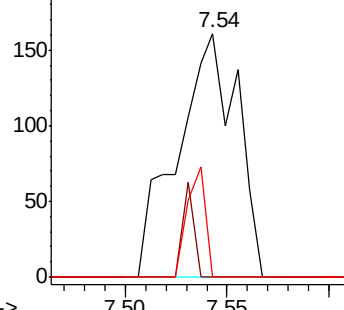
42 100

72 7.0 33.6 50.4#

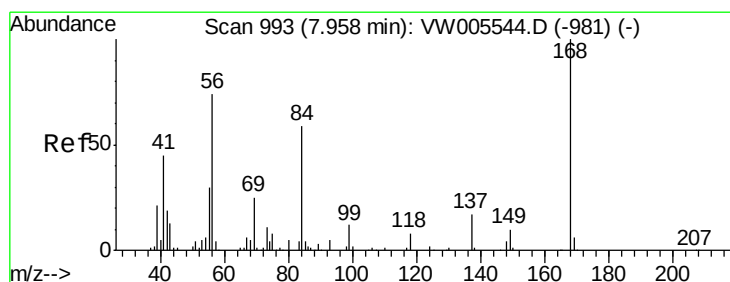
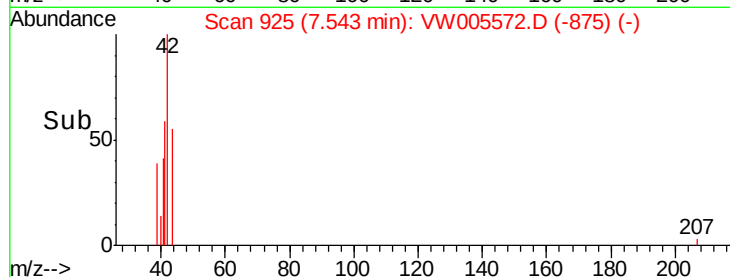
71 13.6 31.8 47.6#



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



Time-->



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

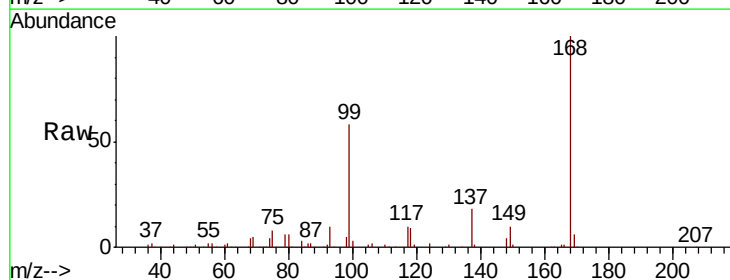
Tgt Ion: 56 Resp: 2816

Ion Ratio Lower Upper

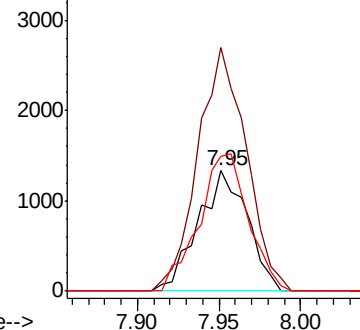
56 100

69 202.4 27.0 40.4#

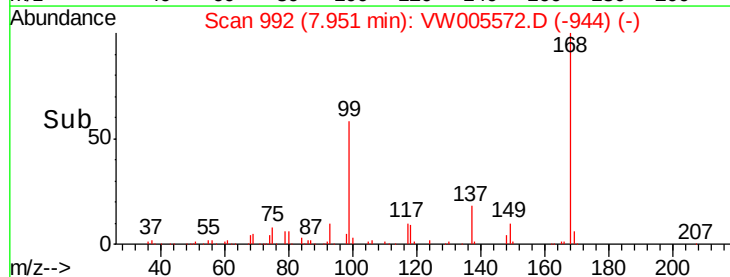
84 112.0 64.2 96.4#

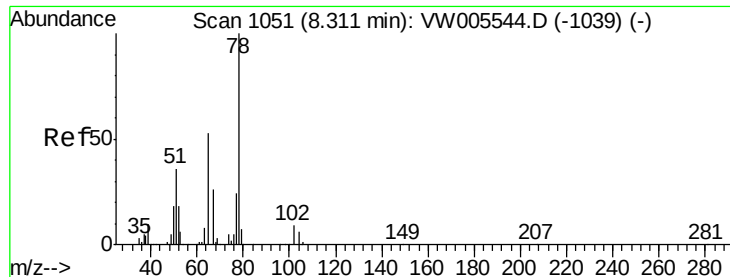


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->

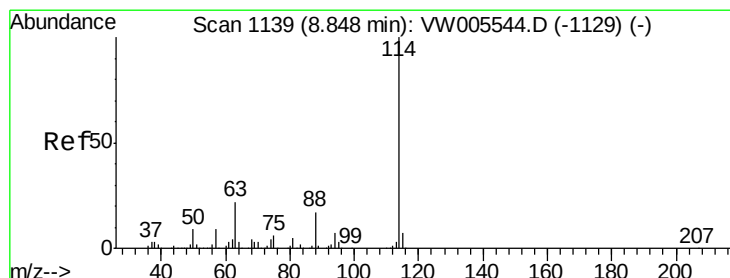
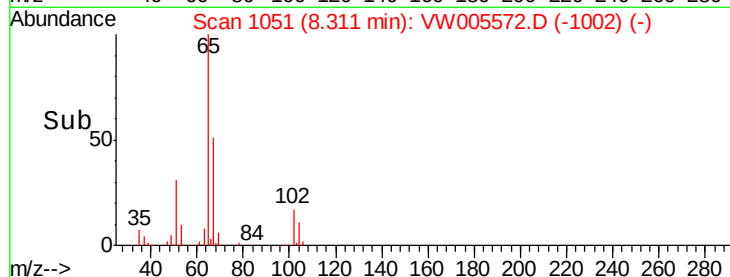
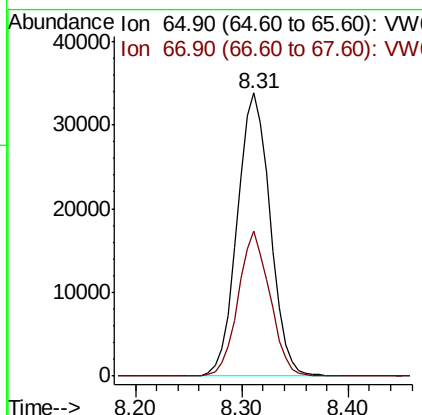
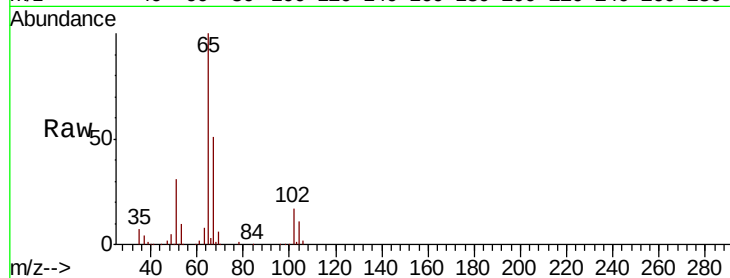




#33
 1,2-Dichloroethane-d4
 Concen: 49.011 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005572.D
 Acq: 21 Sep 2018 20:24

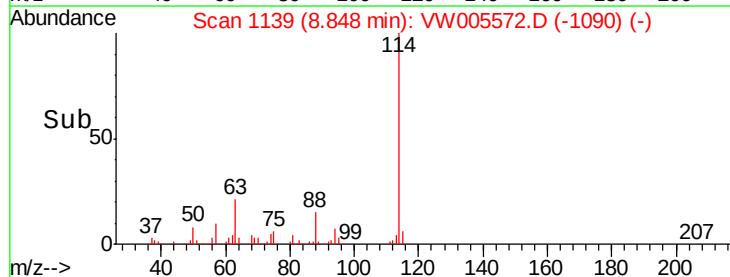
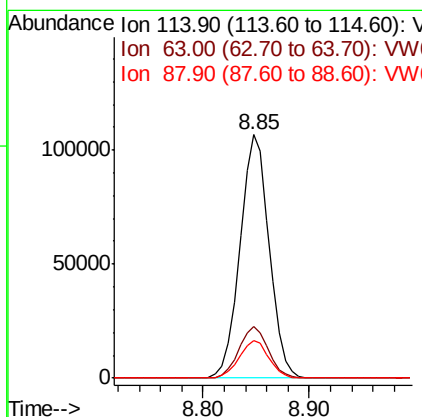
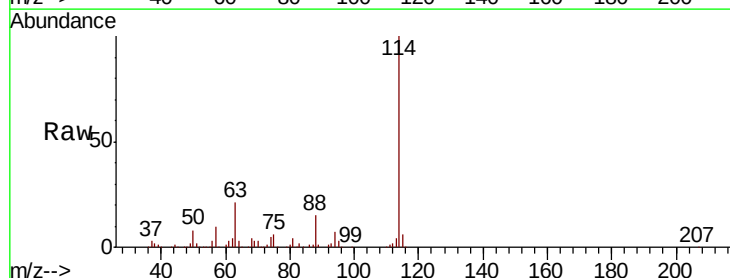
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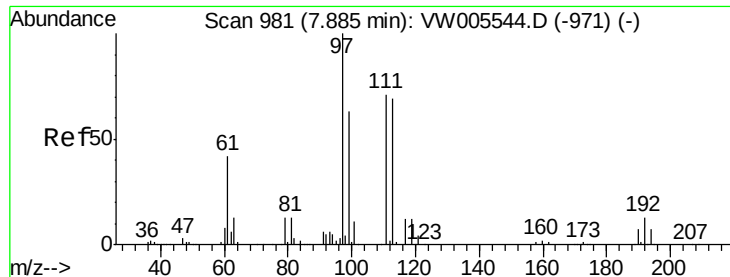
Tgt Ion: 65 Resp: 73452
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005572.D
 Acq: 21 Sep 2018 20:24

Tgt Ion: 114 Resp: 205037
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.0
 88 15.5 0.0 33.0

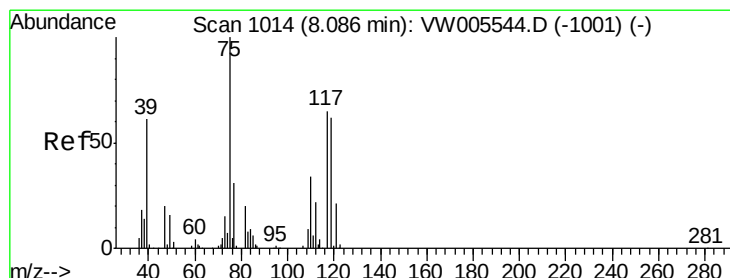
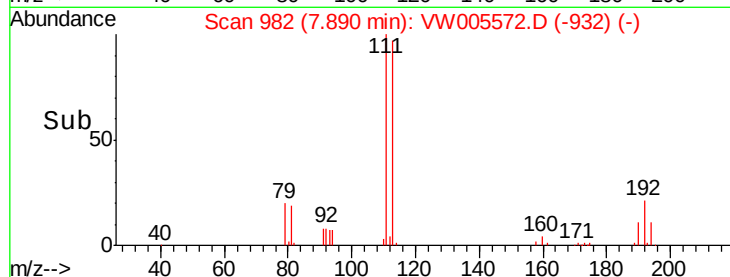
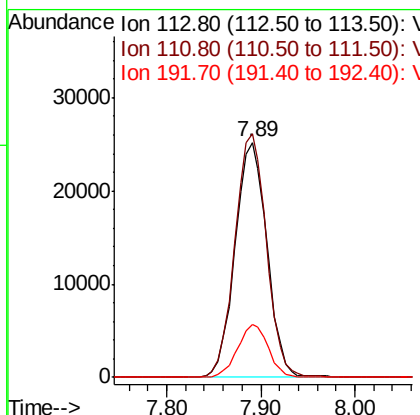
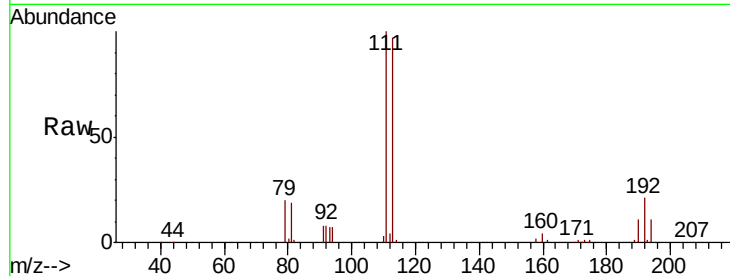




#35
 Dibromofluoromethane
 Concen: 46.146 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005572.D
 Acq: 21 Sep 2018 20:24

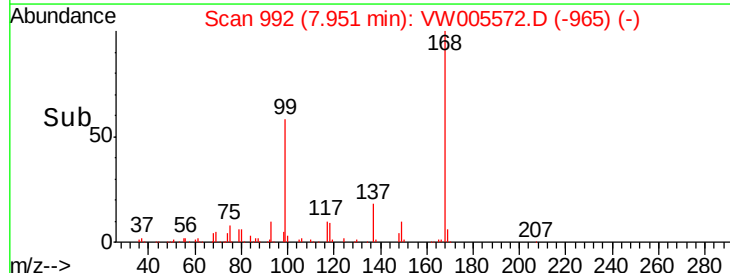
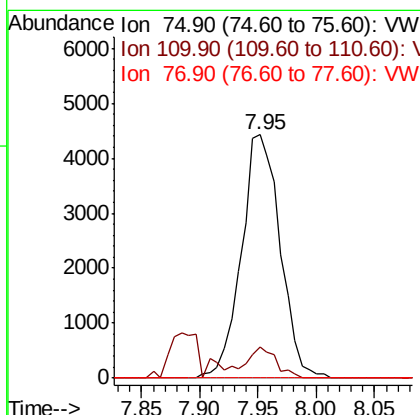
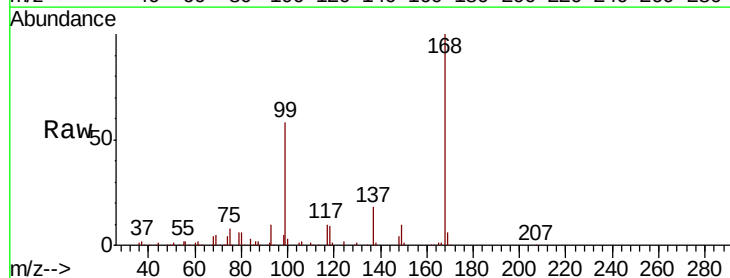
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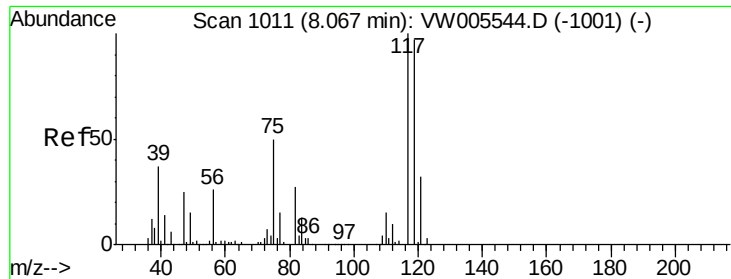
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	21.4	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005572.D
 Acq: 21 Sep 2018 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.0	50.9#
77	0.0	24.8	37.2#

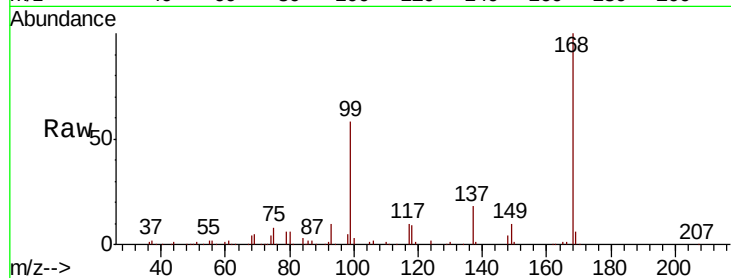




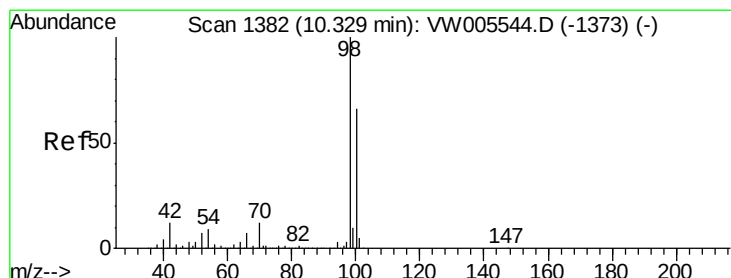
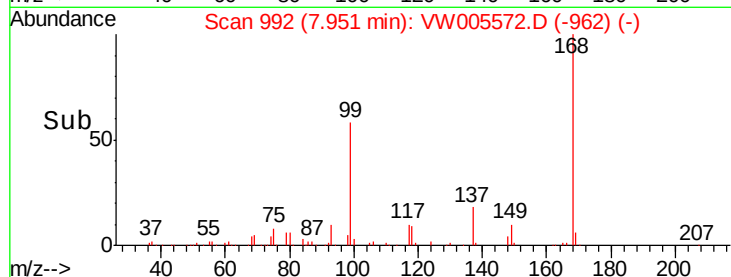
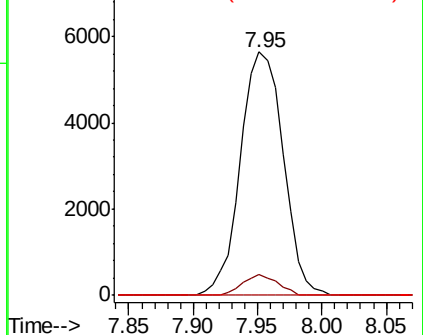
#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005572.D
Acq: 21 Sep 2018 20:24

Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-C

Tgt Ion: 117 Resp: 12982
Ion Ratio Lower Upper
117 100
119 8.5 77.6 116.4#
121 0.0 25.7 38.5#

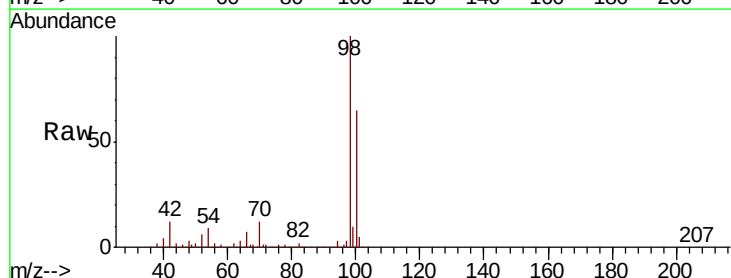


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

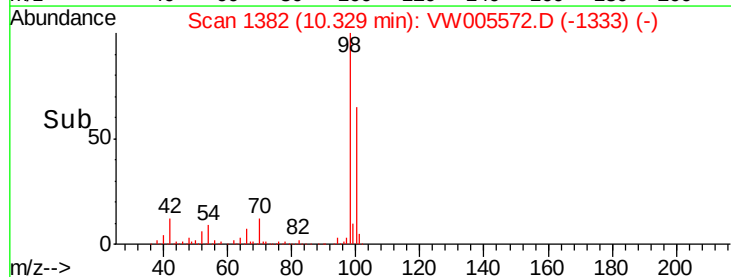
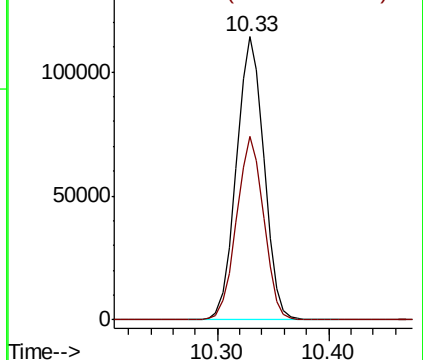


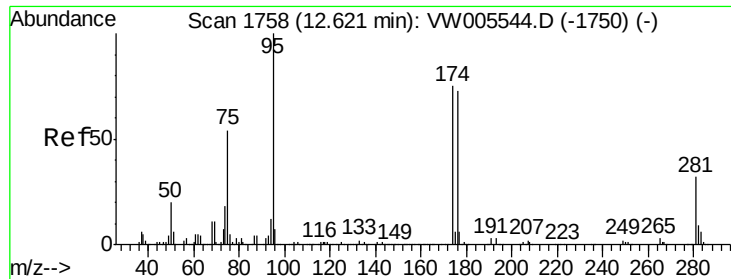
#50
Toluene-d8
Concen: 37.223 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005572.D
Acq: 21 Sep 2018 20:24

Tgt Ion: 98 Resp: 195428
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

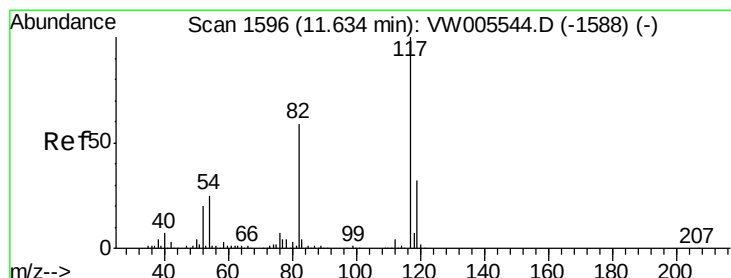
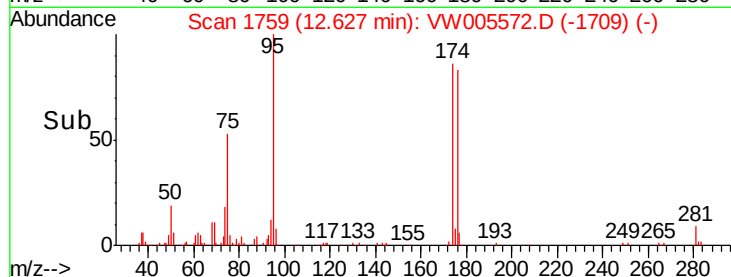
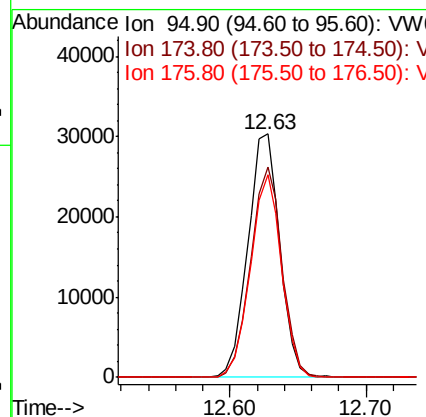
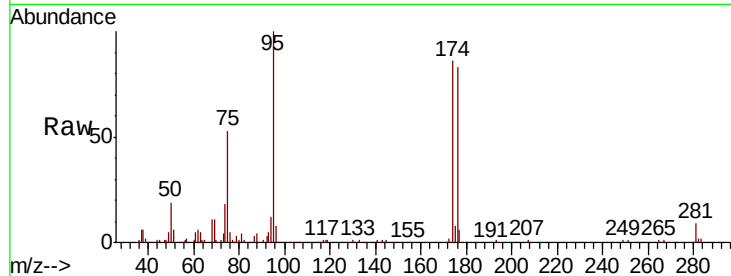




#62
4-Bromofluorobenzene
Concen: 25.561 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005572.D
Acq: 21 Sep 2018 20:24

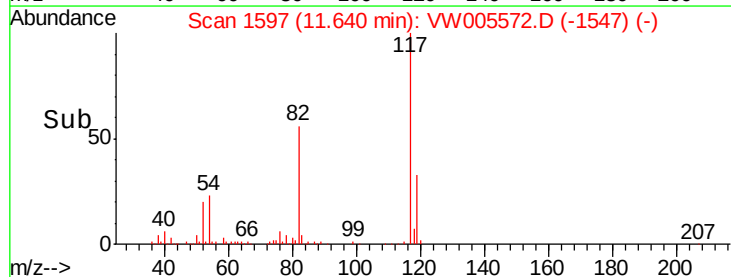
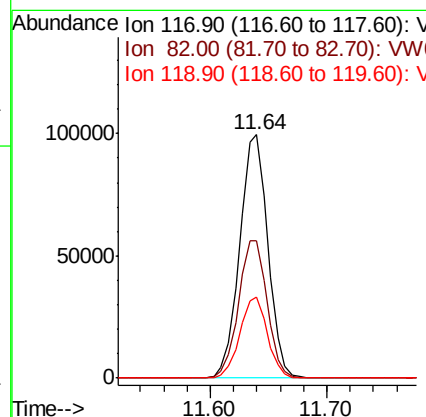
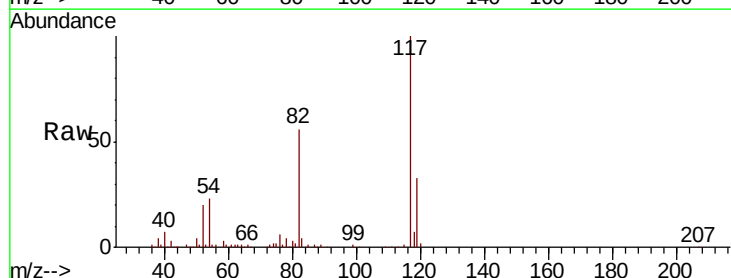
Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-C

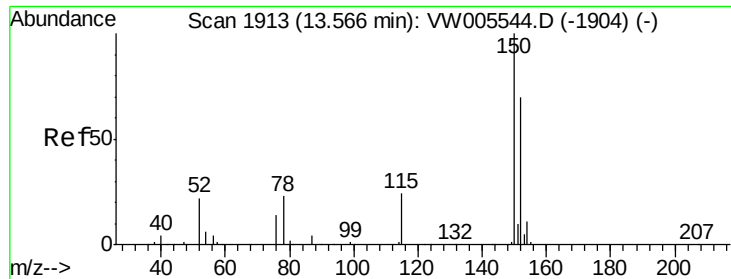
Tgt Ion: 95 Resp: 49656
Ion Ratio Lower Upper
95 100
174 85.7 0.0 163.8
176 81.3 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005572.D
Acq: 21 Sep 2018 20:24

Tgt Ion: 117 Resp: 167883
Ion Ratio Lower Upper
117 100
82 56.5 46.9 70.3
119 33.3 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: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

PL-02-0920-18-C

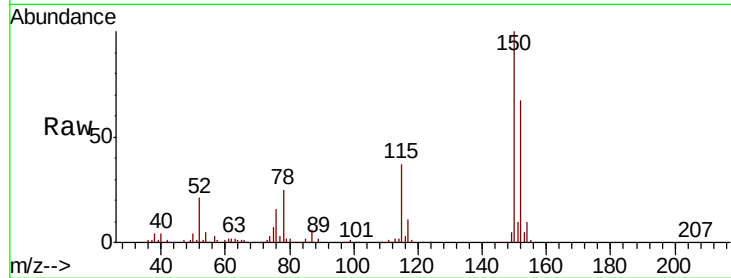
Tgt Ion:152 Resp: 51534

Ion Ratio Lower Upper

152 100

115 55.9 30.0 90.0

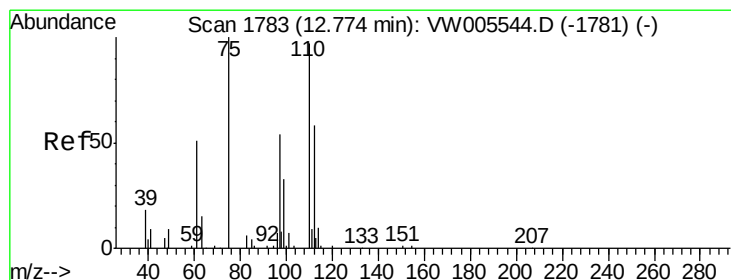
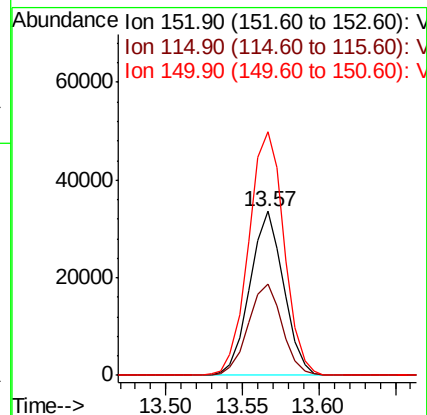
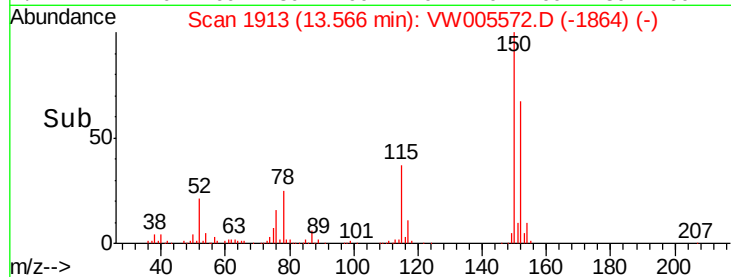
150 155.7 0.0 348.6



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: 61.078 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005572.D

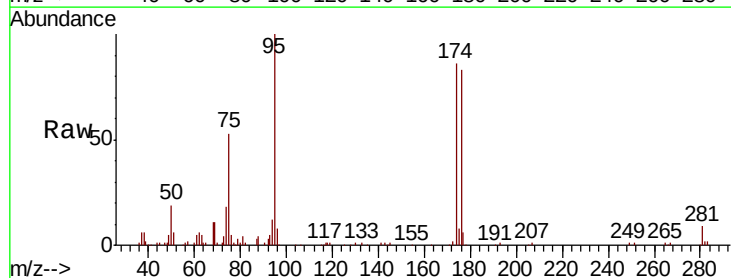
Acq: 21 Sep 2018 20:24

Tgt Ion: 75 Resp: 26831

Ion Ratio Lower Upper

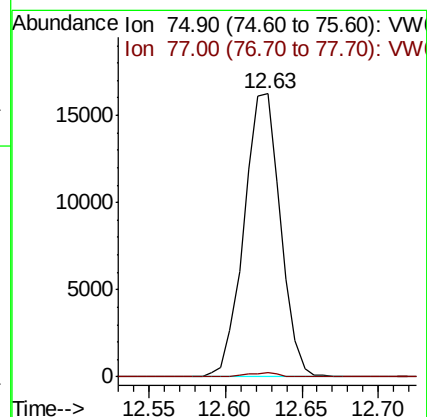
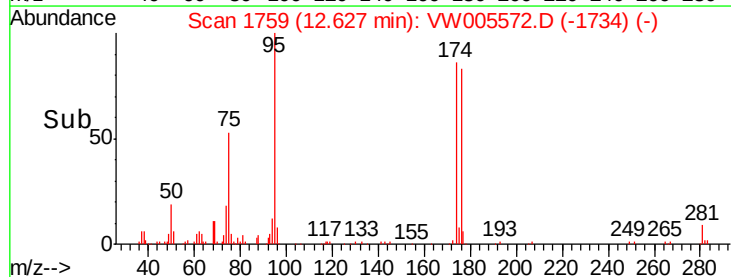
75 100

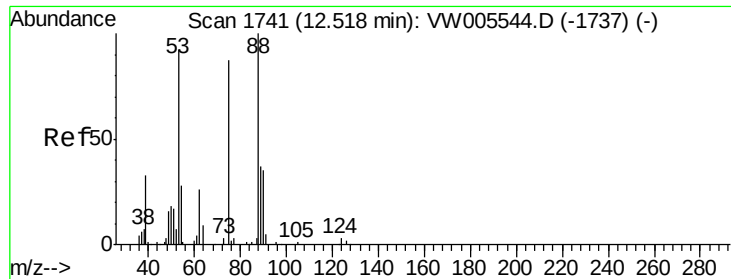
77 1.4 0.0 0.0#



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: 137.566 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

PL-02-0920-18-C

Tgt Ion: 75 Resp: 26831

Ion Ratio Lower Upper

75 100

53 0.0 85.8 128.6#

89 0.0 37.3 55.9#

