

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091218\
 Data File : VW005336.D
 Acq On : 12 Sep 2018 19:48
 Operator : SY/AP
 Sample : J4866-02
 Misc : 5.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DPT-SB-E1-180911

Quant Time: Sep 13 01:01:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	333991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	503395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	487576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	265744	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	134447	53.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.94%		
35) Dibromofluoromethane	7.89	113	124009	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.06%		
50) Toluene-d8	10.33	98	510935	38.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	76.68%		
62) 4-Bromofluorobenzene	12.62	95	188958	38.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	77.54%		

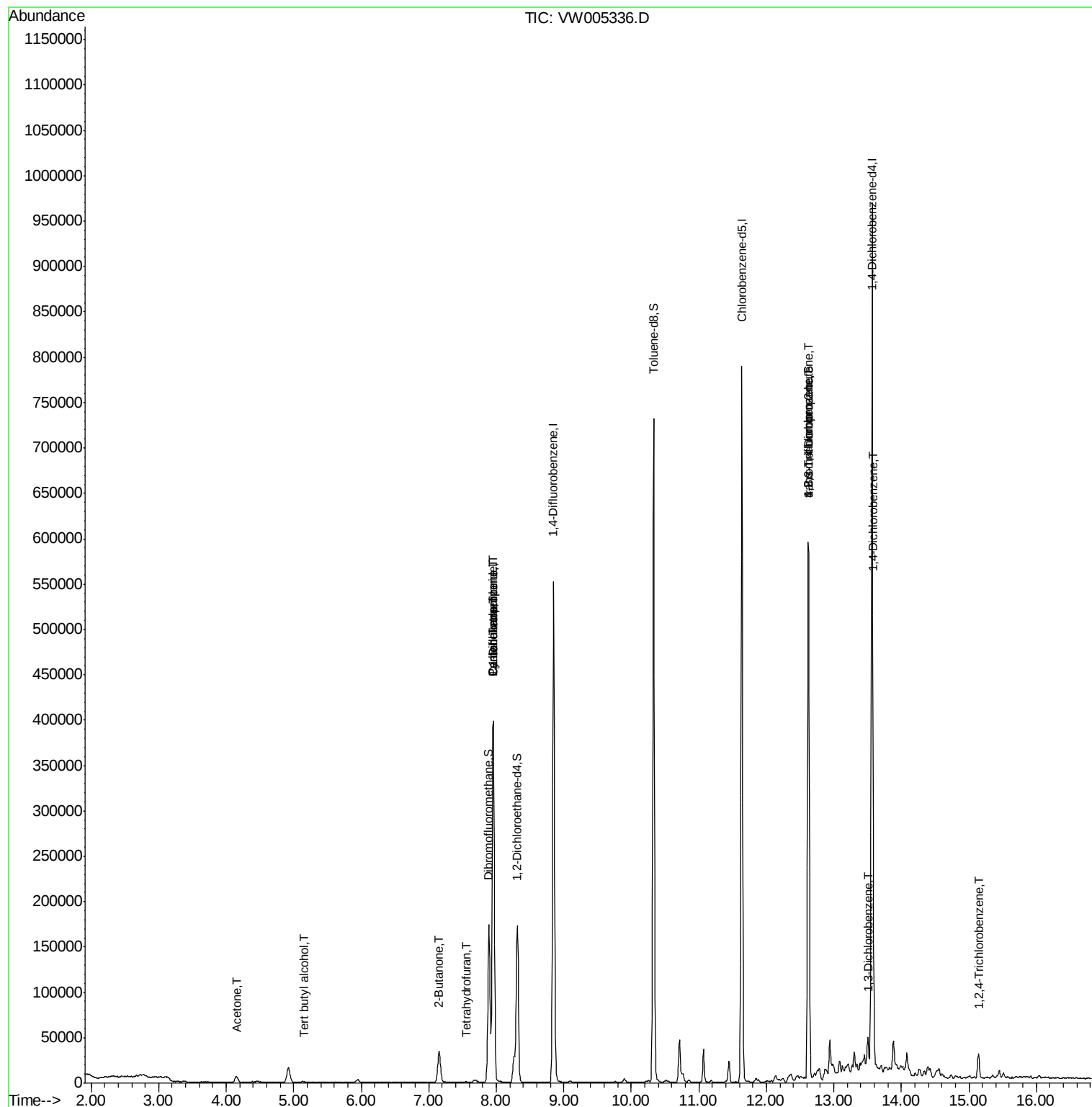
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	937	Below Cal	#	35
11) Tert butyl alcohol	5.17	59	461	2.257	ug/l #	73
16) Acetone	4.15	43	12331	26.668	ug/l #	85
25) 2-Butanone	7.14	43	747	1.024	ug/l #	43
29) Tetrahydrofuran	7.56	42	706	1.436	ug/l #	55
31) Cyclohexane	7.95	56	5899	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21041	4.562	ug/l #	48
38) Carbon Tetrachloride	7.95	117	28945	6.700	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	84701	41.439	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84701	97.185	ug/l #	16
87) 1,3-Dichlorobenzene	13.51	146	13599	1.464	ug/l	92
88) 1,4-Dichlorobenzene	13.58	146	44118	4.836	ug/l	93
93) 1,2,4-Trichlorobenzene	15.15	180	9533	1.651	ug/l	93

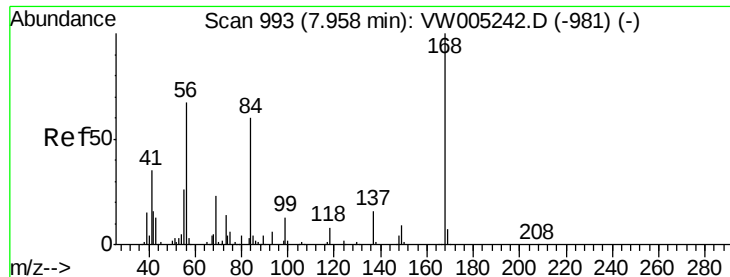
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

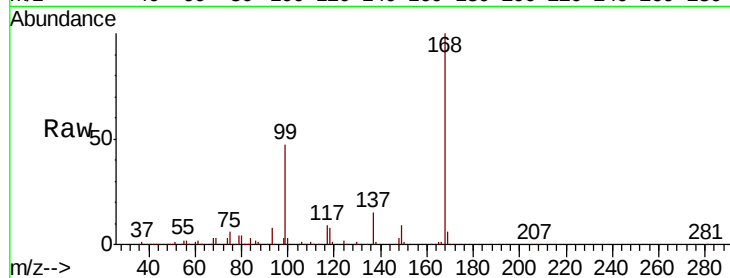
Instrument :
MSVOA_W
ClientSampleId :
DPT-SB-E1-180911

Tgt Ion:168 Resp: 333991

Ion Ratio Lower Upper

168 100

99 47.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

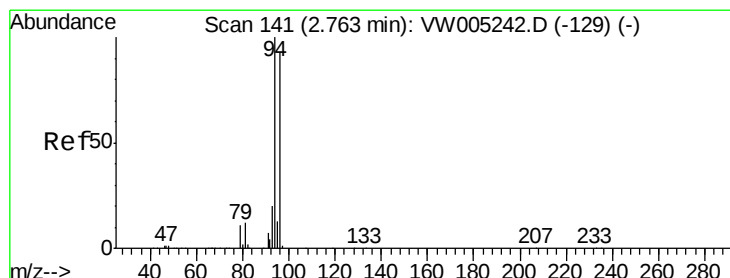
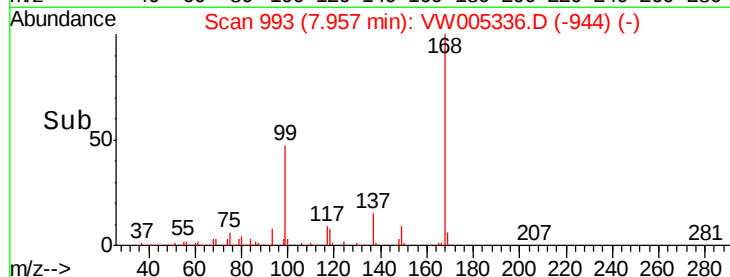
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW005336.D

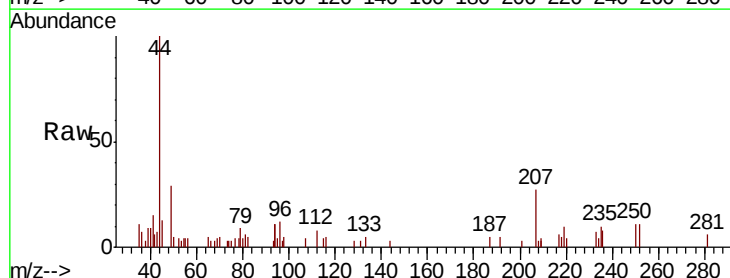
Acq: 12 Sep 2018 19:48

Tgt Ion: 94 Resp: 937

Ion Ratio Lower Upper

94 100

96 30.5 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

500

400

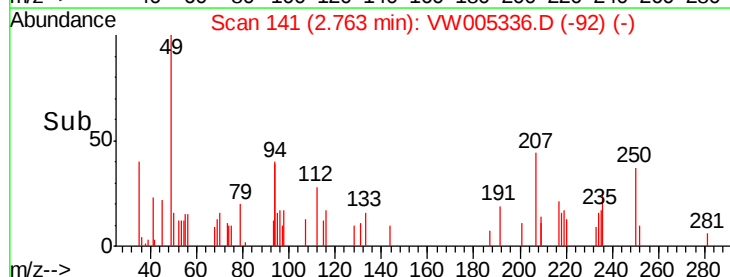
300

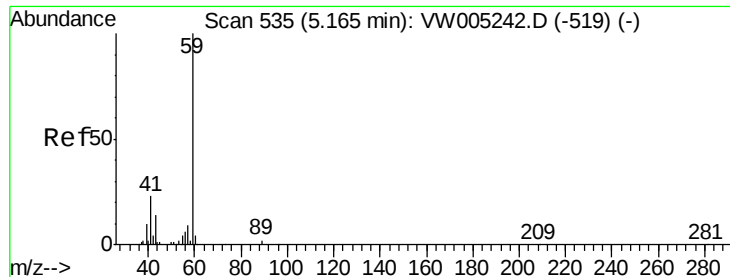
200

100

0

Time--> 2.70 2.75 2.80 2.85

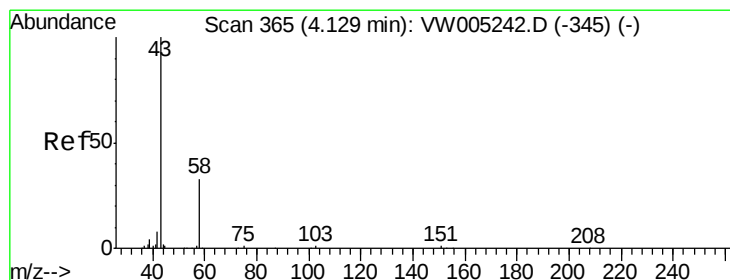
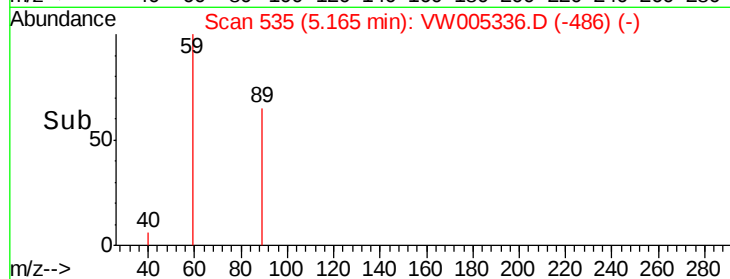
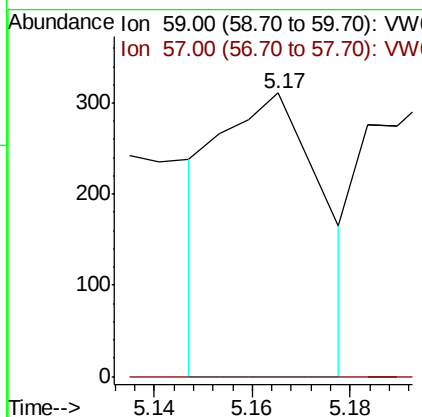
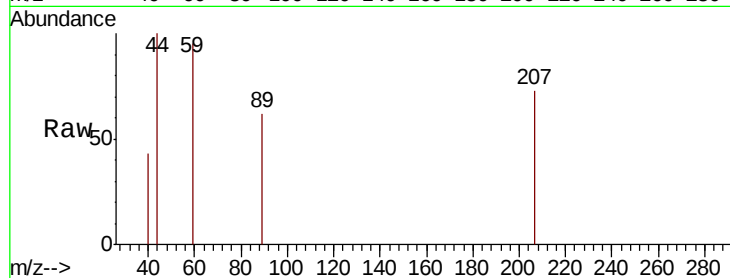




#11
Tert butyl alcohol
Concen: 2.257 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW005336.D
Acq: 12 Sep 2018 19:48

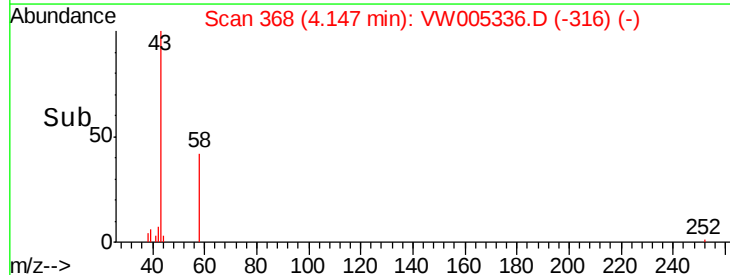
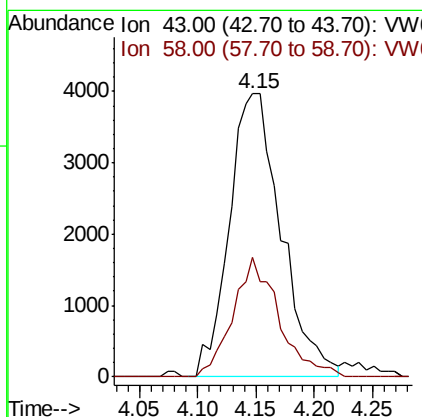
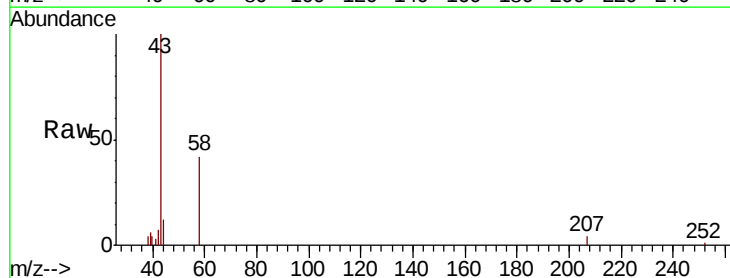
Instrument :
MSVOA_W
ClientSampleId :
DPT-SB-E1-180911

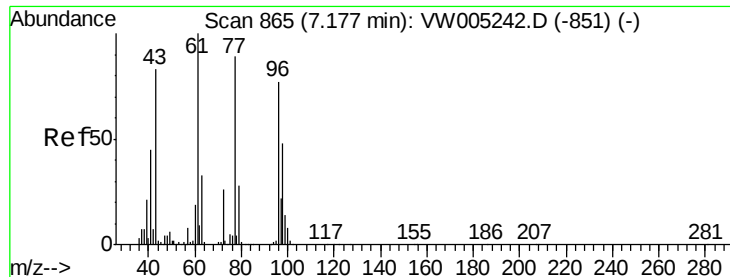
Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 26.668 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW005336.D
Acq: 12 Sep 2018 19:48

Tgt Ion: 43 Resp: 12331
Ion Ratio Lower Upper
43 100
58 42.1 26.7 40.1#





#25

2-Butanone

Concen: 1.024 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

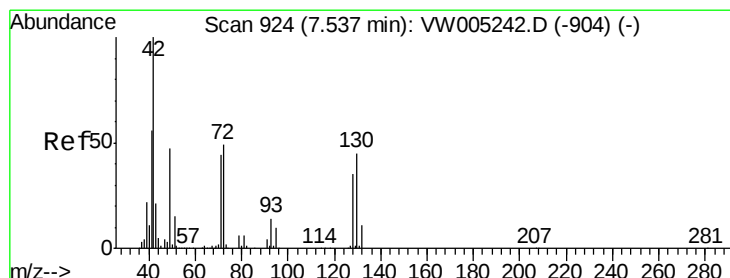
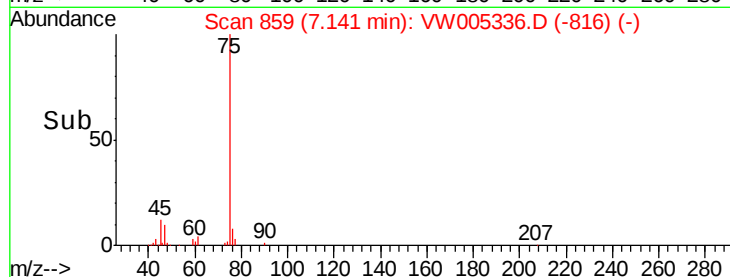
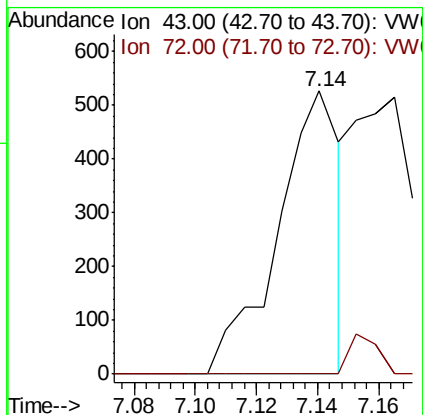
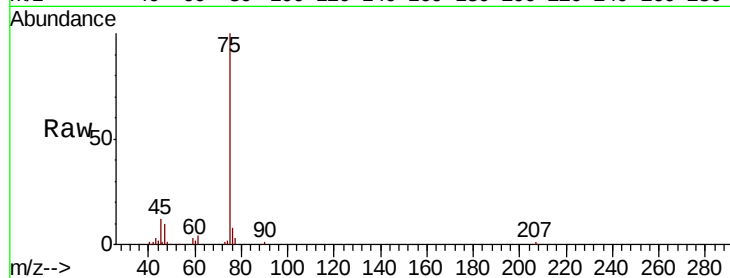
DPT-SB-E1-180911

Tgt Ion: 43 Resp: 747

Ion Ratio Lower Upper

43 100

72 0.0 25.0 37.6#



#29

Tetrahydrofuran

Concen: 1.436 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

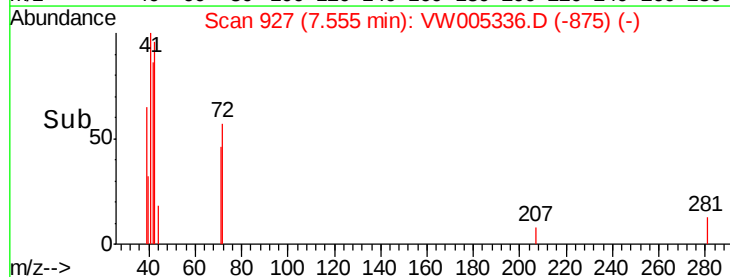
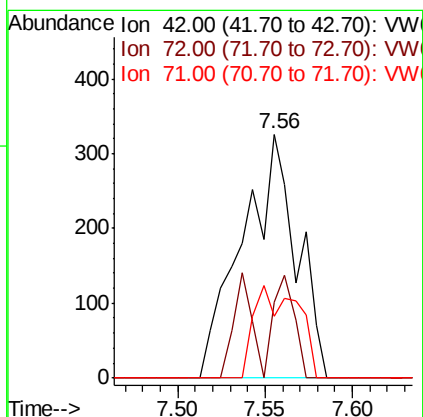
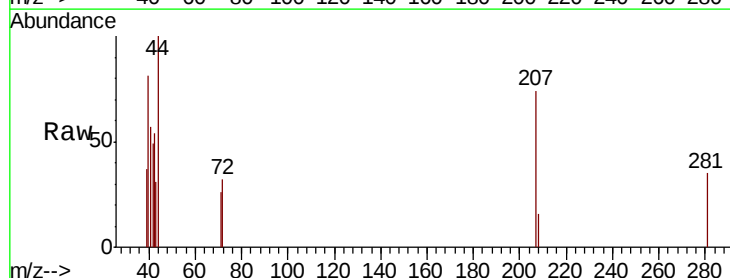
Tgt Ion: 42 Resp: 706

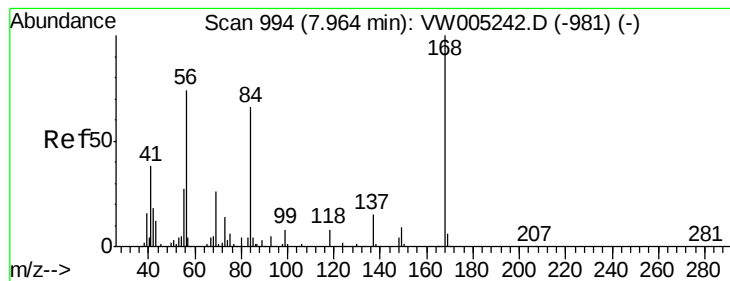
Ion Ratio Lower Upper

42 100

72 16.4 37.5 56.3#

71 15.0 34.8 52.2#





#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :
DPT-SB-E1-180911

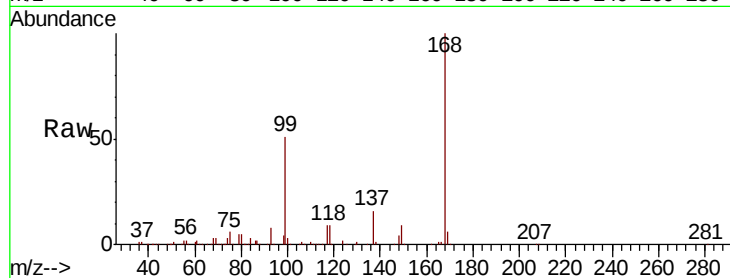
Tgt Ion: 56 Resp: 5899

Ion Ratio Lower Upper

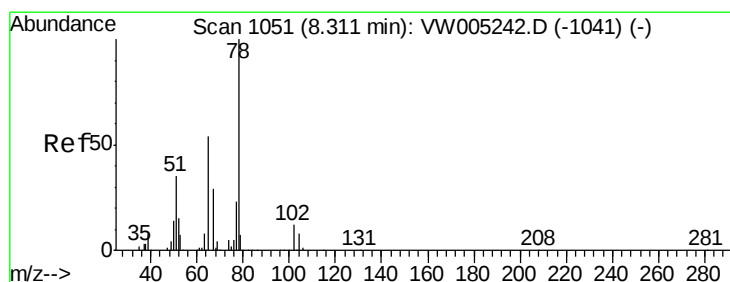
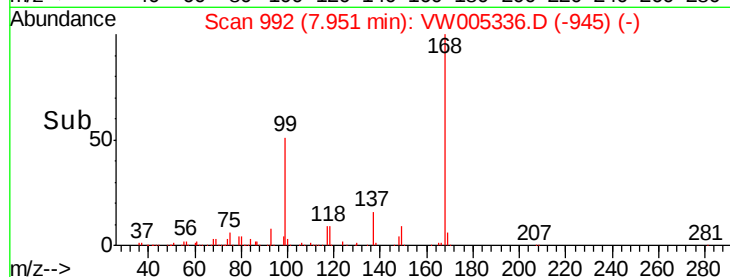
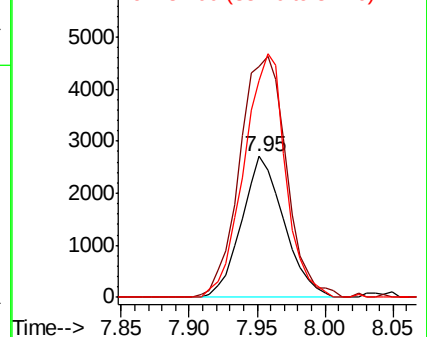
56 100

69 163.9 27.8 41.8#

84 153.9 72.1 108.1#



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: 53.971 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005336.D

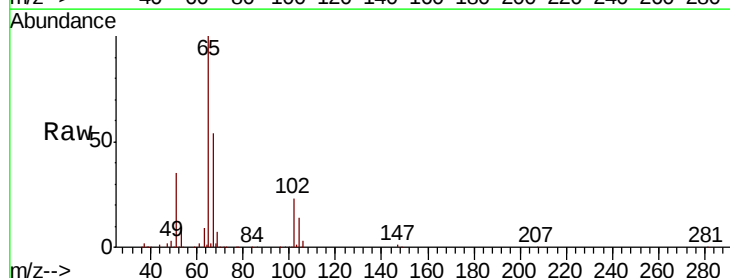
Acq: 12 Sep 2018 19:48

Tgt Ion: 65 Resp: 134447

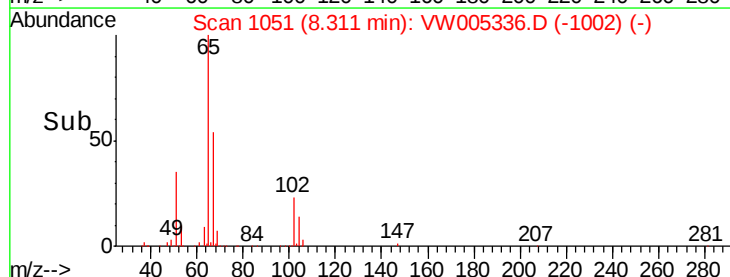
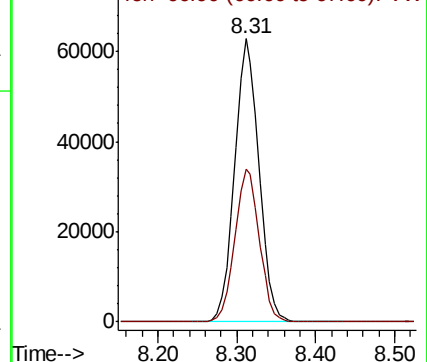
Ion Ratio Lower Upper

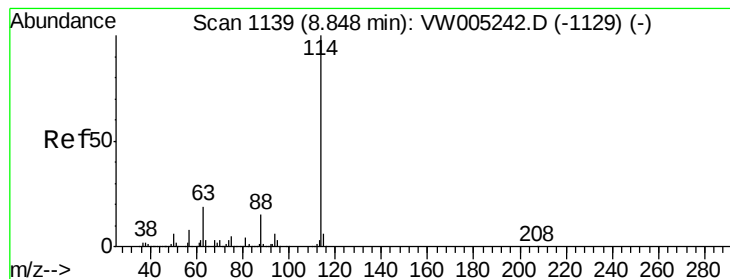
65 100

67 54.4 0.0 112.2



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: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

DPT-SB-E1-180911

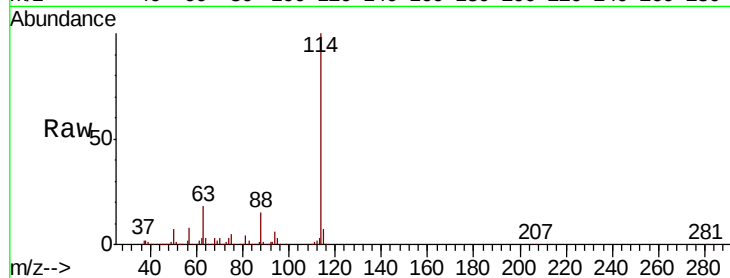
Tgt Ion:114 Resp: 503395

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.0

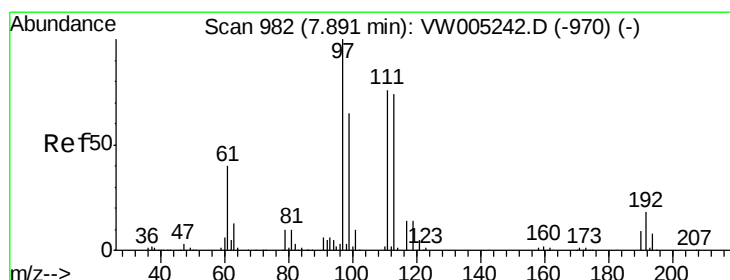
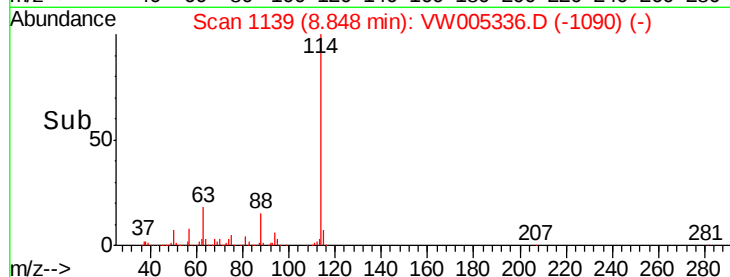
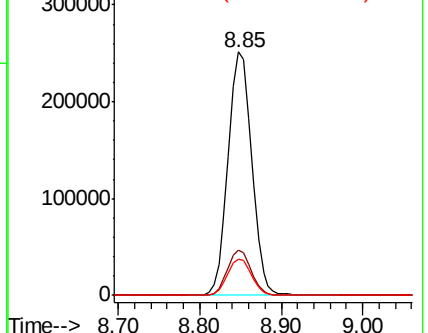
88 15.1 0.0 30.4



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: 47.027 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

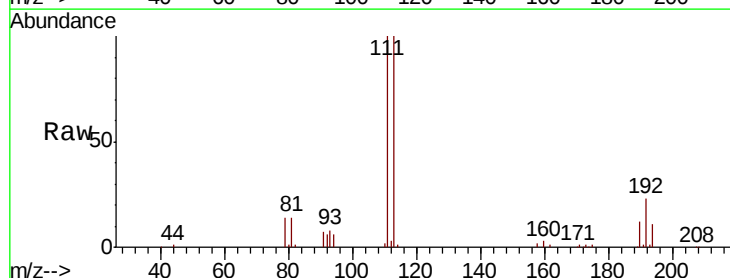
Tgt Ion:113 Resp: 124009

Ion Ratio Lower Upper

113 100

111 103.8 80.6 121.0

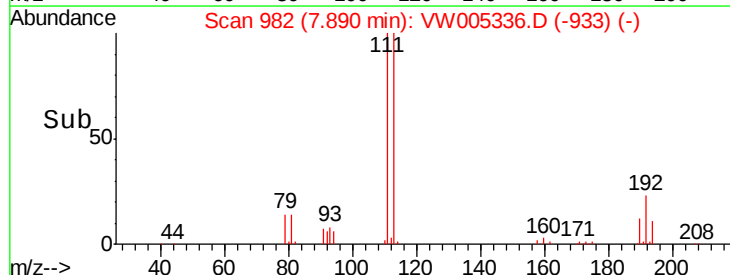
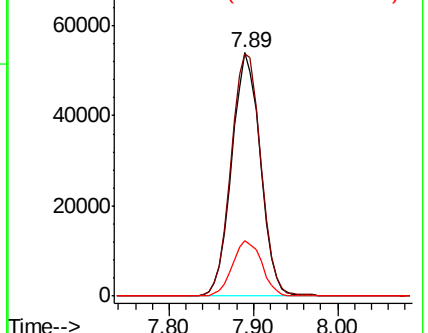
192 23.3 18.3 27.5

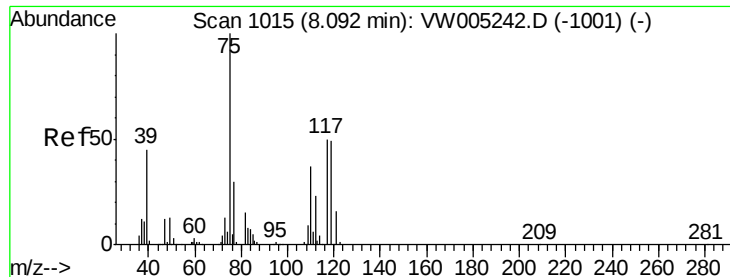


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

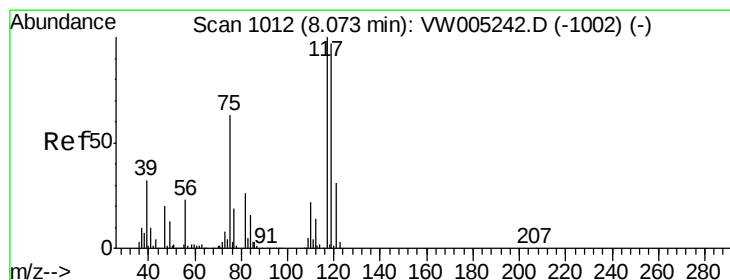
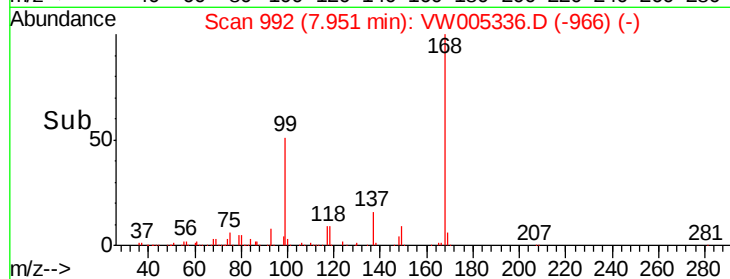
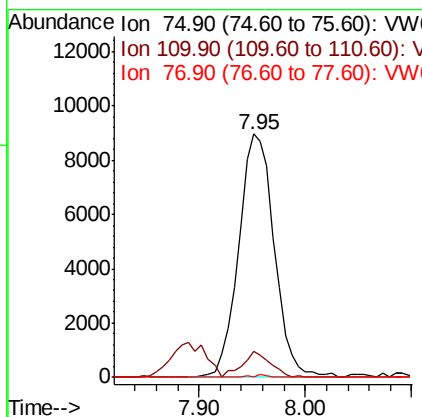
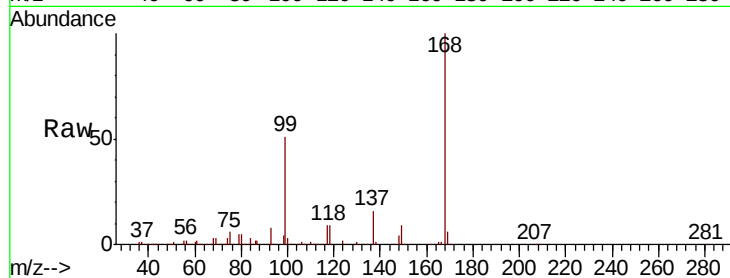




#36
 1,1-Dichloropropene
 Concen: 4.562 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005336.D
 Acq: 12 Sep 2018 19:48

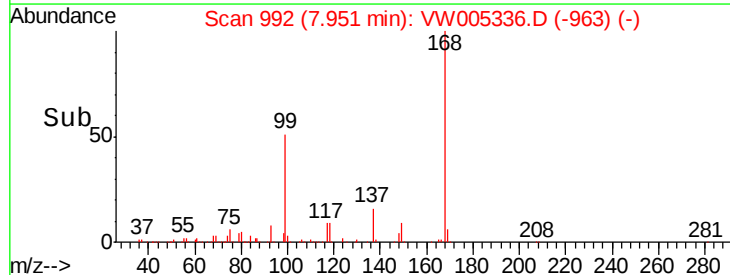
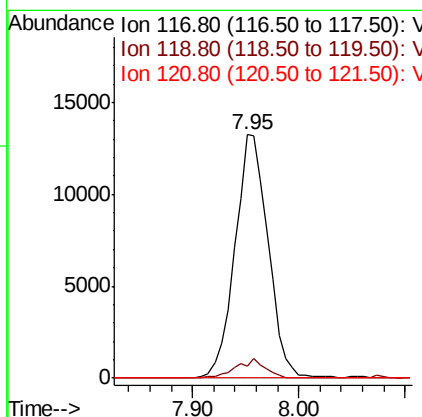
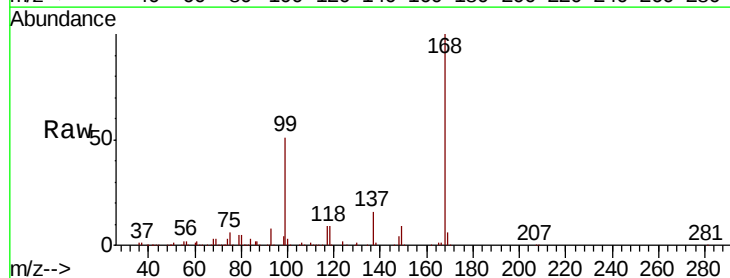
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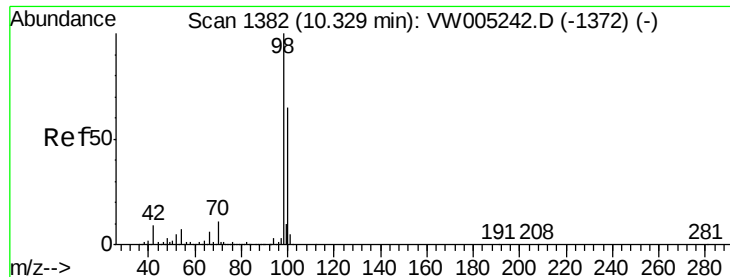
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.8	56.4#
77	0.4	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.700 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005336.D
 Acq: 12 Sep 2018 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 38.344 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

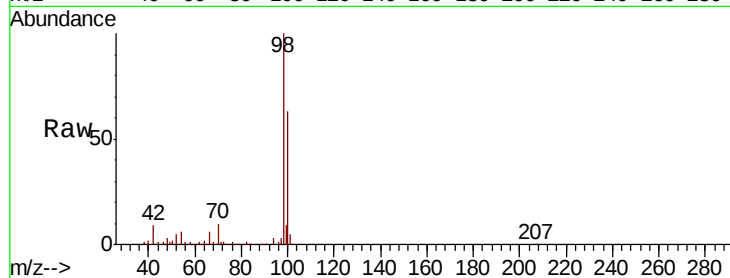
DPT-SB-E1-180911

Tgt Ion: 98 Resp: 510935

Ion Ratio Lower Upper

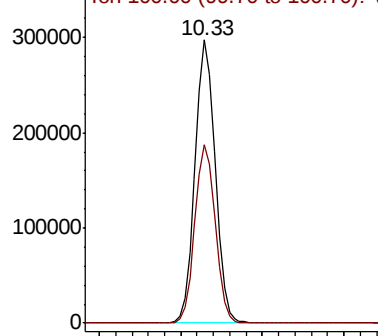
98 100

100 63.8 52.0 78.0

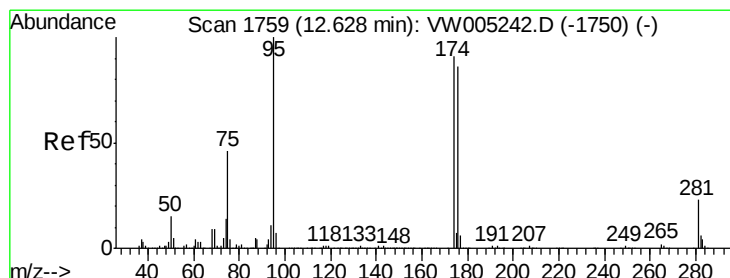
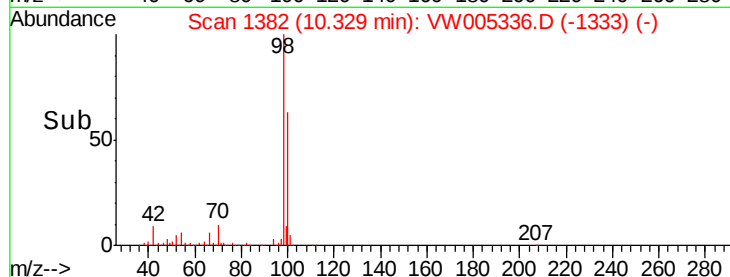


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 38.769 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

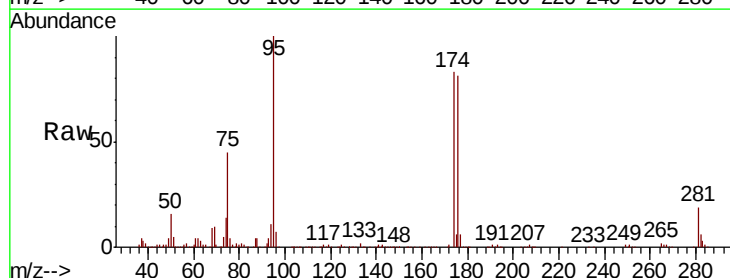
Tgt Ion: 95 Resp: 188958

Ion Ratio Lower Upper

95 100

174 89.2 0.0 174.6

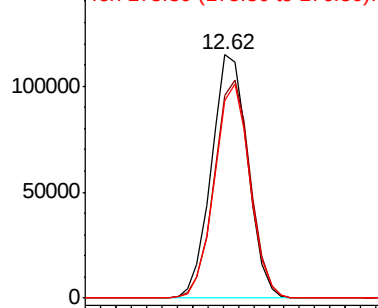
176 86.4 0.0 167.6



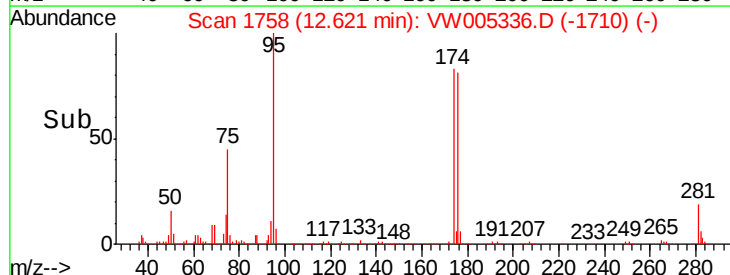
Abundance Ion 94.90 (94.60 to 95.60): VW

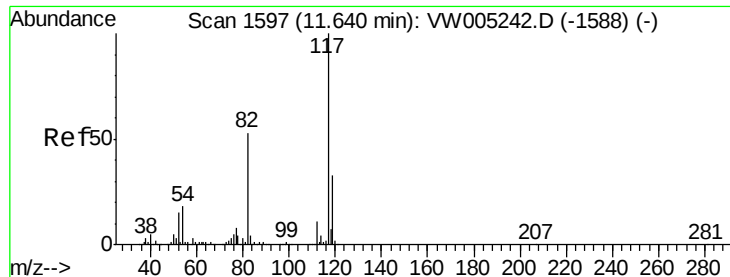
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

DPT-SB-E1-180911

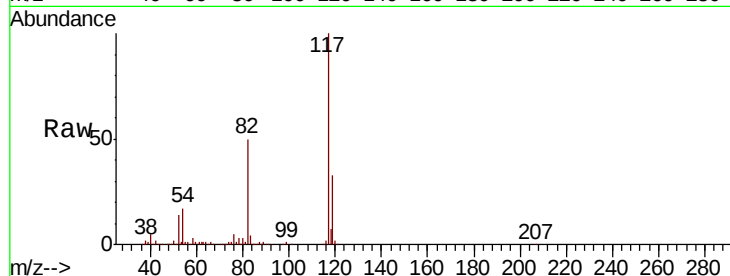
Tgt Ion:117 Resp: 487576

Ion Ratio Lower Upper

117 100

82 50.4 42.6 63.8

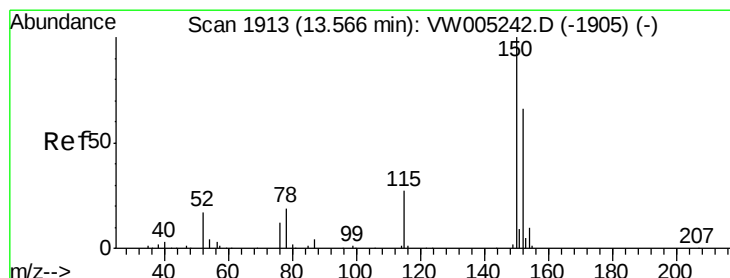
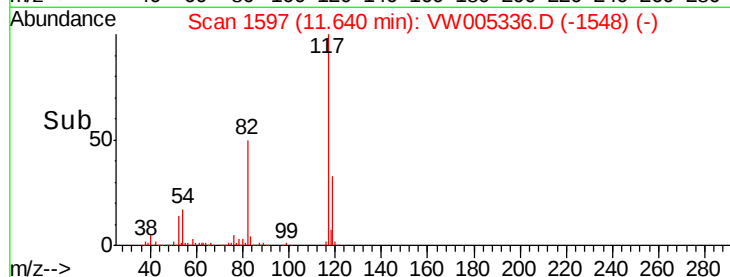
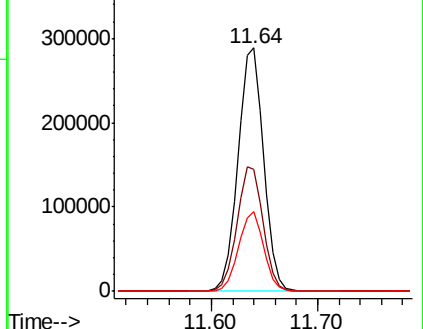
119 32.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005336.D

Acq: 12 Sep 2018 19:48

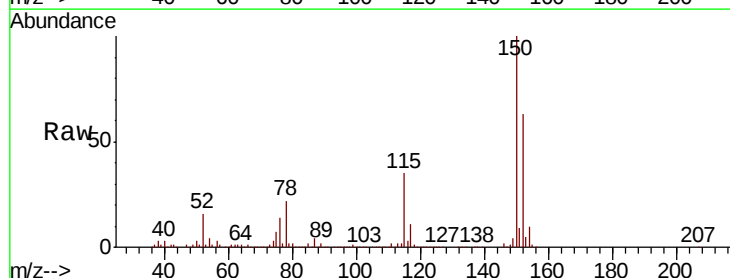
Tgt Ion:152 Resp: 265744

Ion Ratio Lower Upper

152 100

115 55.4 27.5 82.4

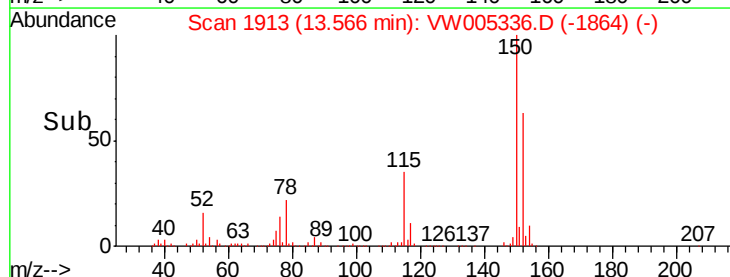
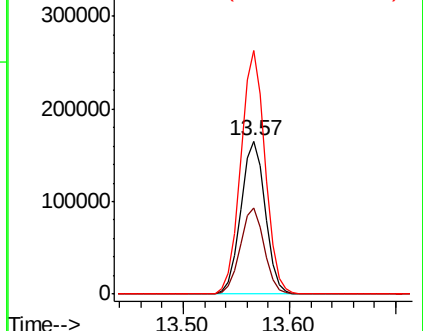
150 158.5 0.0 347.4

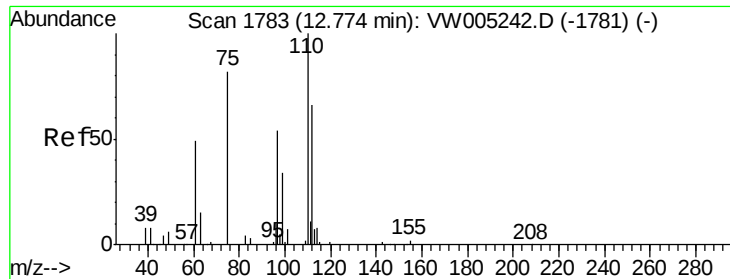


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

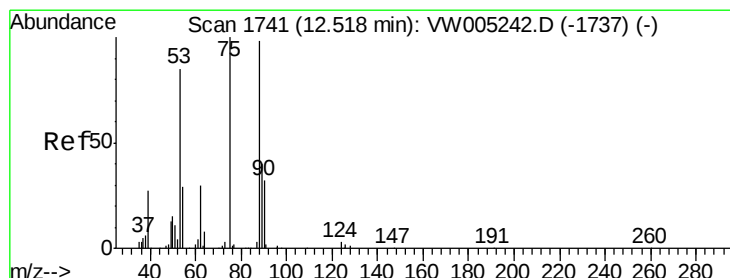
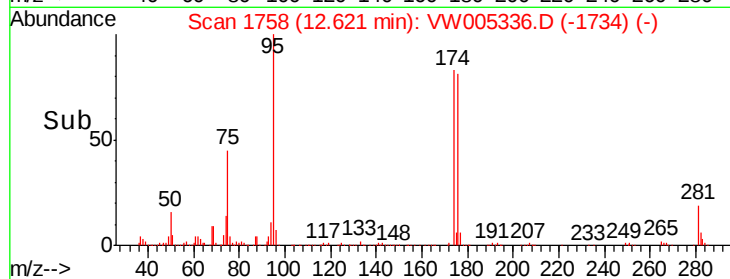
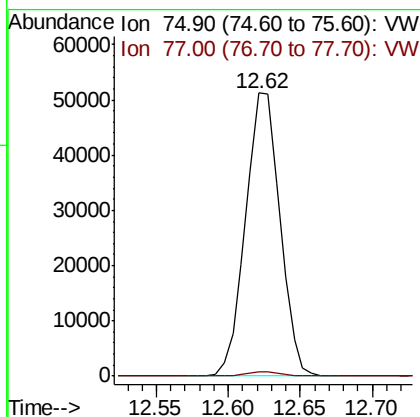
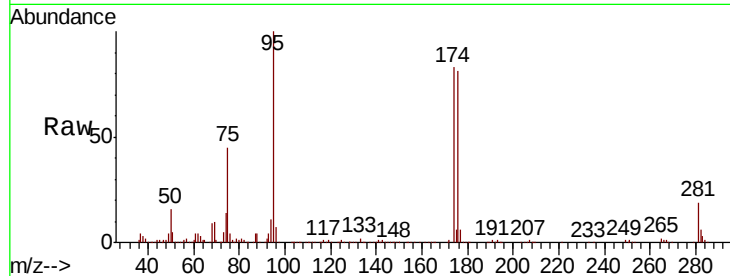




#76
 1,2,3-Trichloropropane
 Concen: 41.439 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005336.D
 Acq: 12 Sep 2018 19:48

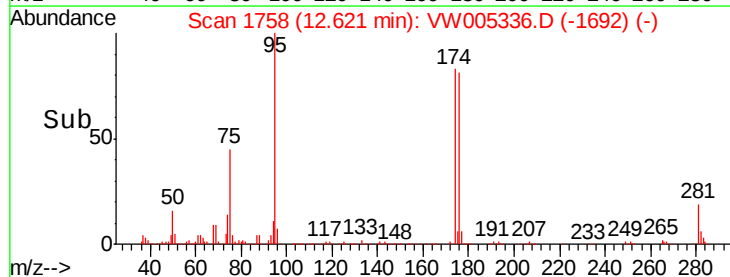
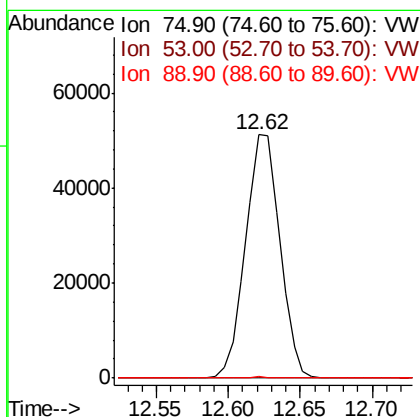
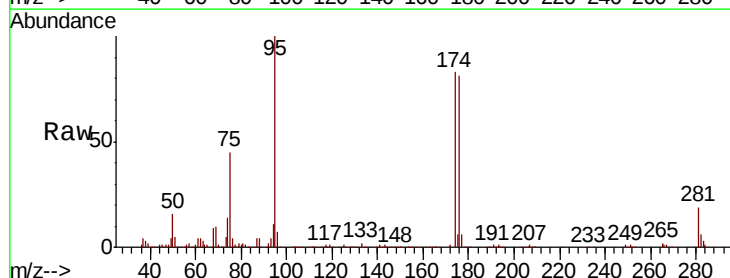
Instrument :
 MSVOA_W
 ClientSampleId :
 DPT-SB-E1-180911

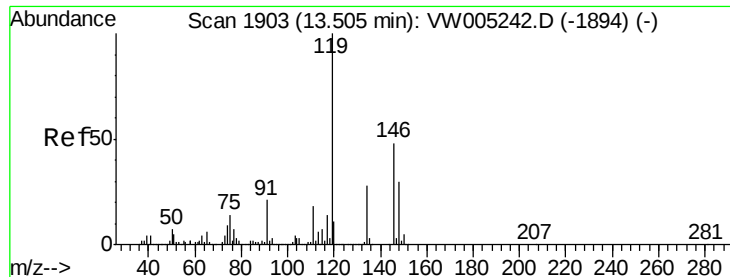
Tgt Ion: 75 Resp: 84701
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.185 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005336.D
 Acq: 12 Sep 2018 19:48

Tgt Ion: 75 Resp: 84701
 Ion Ratio Lower Upper
 75 100
 53 0.4 67.0 100.6#
 89 0.2 37.0 55.4#

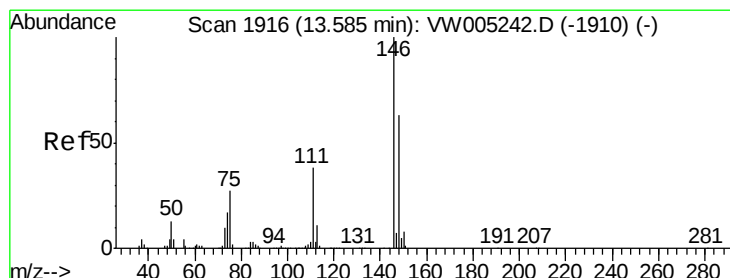
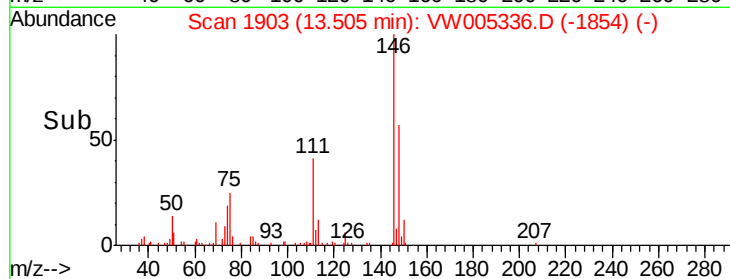
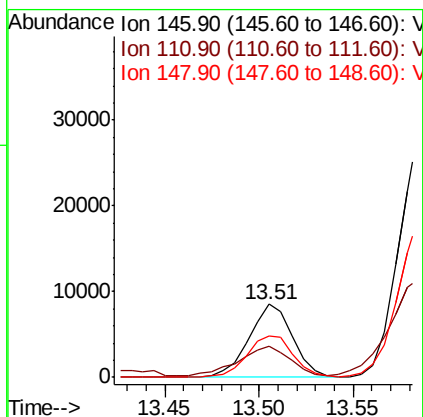
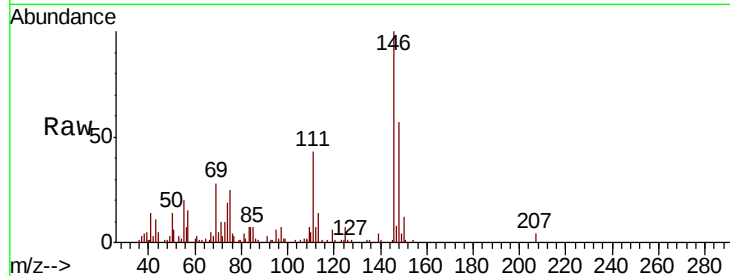




#87
 1,3-Dichlorobenzene
 Concen: 1.464 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005336.D
 Acq: 12 Sep 2018 19:48

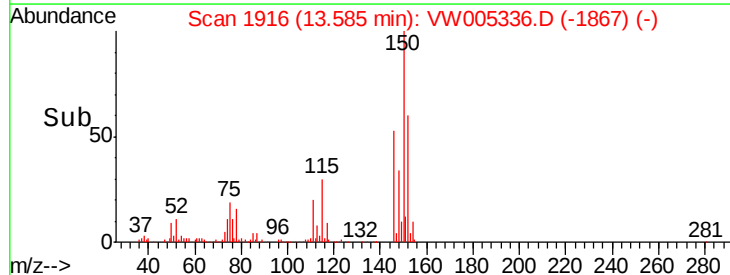
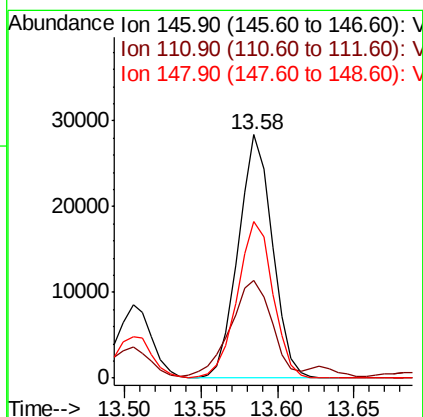
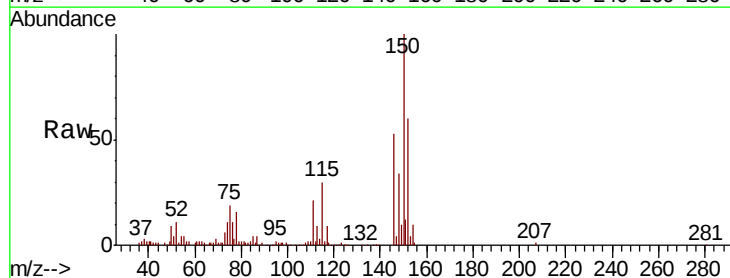
Instrument :
 MSVOA_W
 ClientSampleId :
 DPT-SB-E1-180911

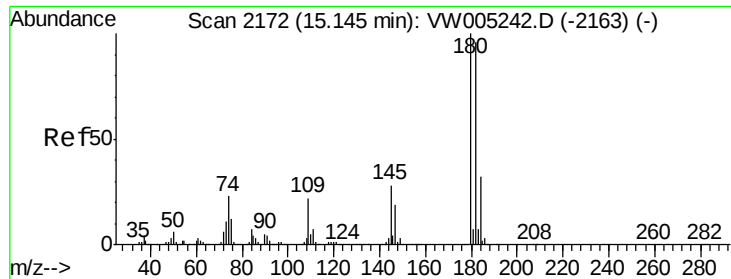
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	18.8	56.3
148	60.7	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 4.836 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005336.D
 Acq: 12 Sep 2018 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	19.1	57.3
148	67.1	32.3	96.9

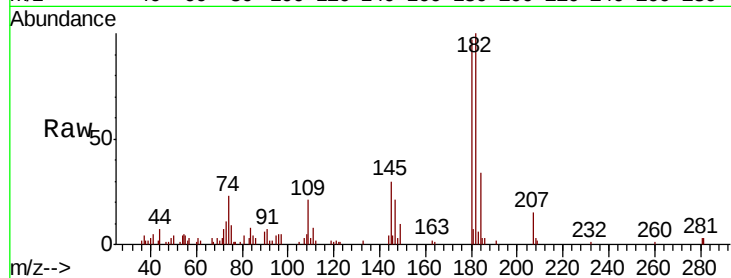




#93
 1,2,4-Trichlorobenzene
 Concen: 1.651 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005336.D
 Acq: 12 Sep 2018 19:48

Instrument :
 MSVOA_W
 ClientSampleId :
 DPT-SB-E1-180911

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.8	48.1	144.4
145	31.4	14.5	43.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

