

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005560.D
 Acq On : 21 Sep 2018 15:15
 Operator : VA/AP
 Sample : J5023-05
 Misc : 4.88G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 16:04:31 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	172100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	259799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	213675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	79133	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	88411	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	
35) Dibromofluoromethane	7.88	113	73586	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
50) Toluene-d8	10.33	98	244361	36.73	ug/l	0.00
Spiked Amount			Recovery	=	73.46%	
62) 4-Bromofluorobenzene	12.62	95	68341	27.76	ug/l	0.00
Spiked Amount			Recovery	=	55.52%	

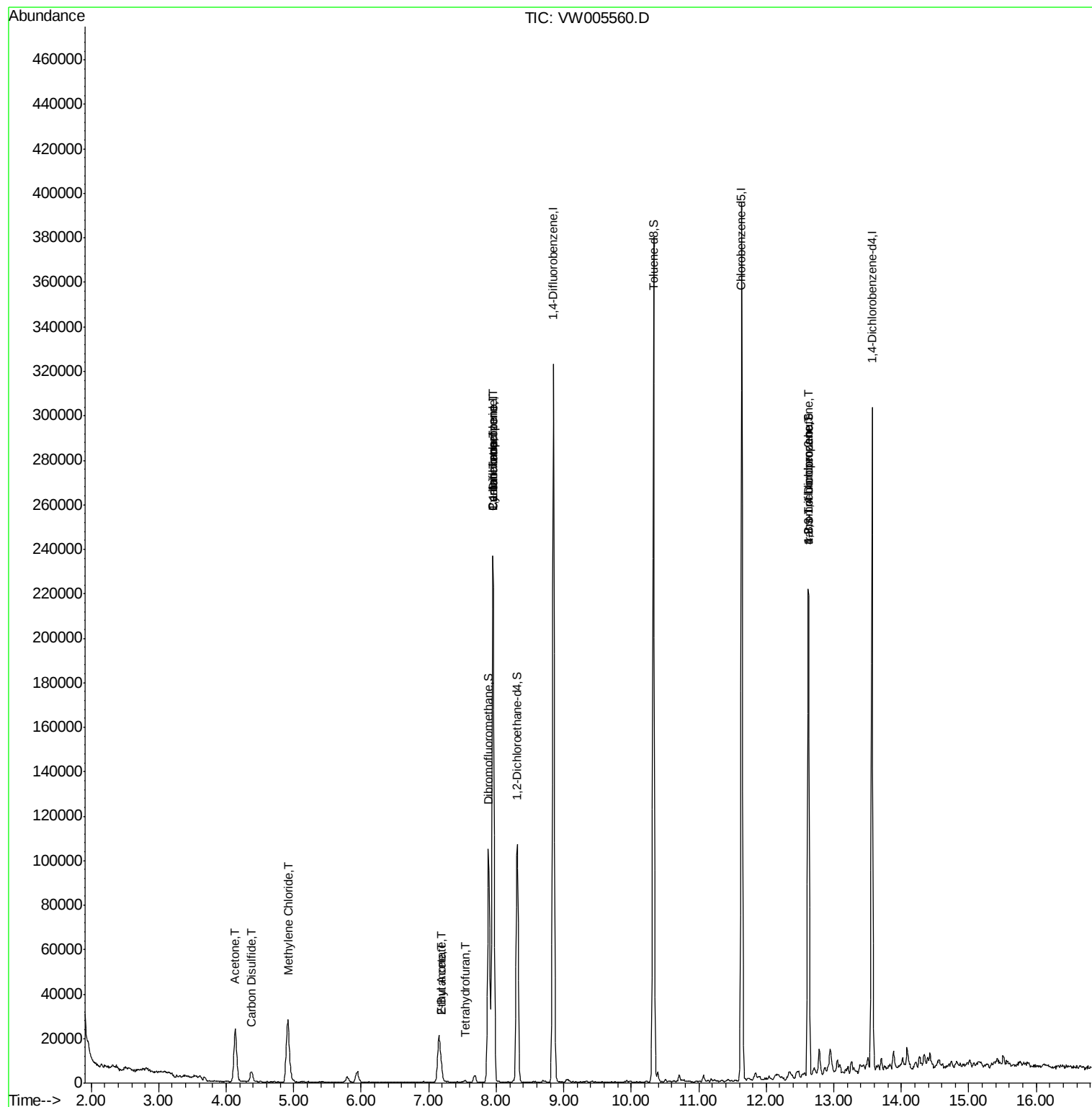
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	96	Below Cal	#	72
13) Acrolein	3.90	56	226	Below Cal	#	47
16) Acetone	4.14	43	46241	140.961	ug/l	97
17) Carbon Disulfide	4.37	76	9552	1.950	ug/l	96
20) Methylene Chloride	4.91	84	22104	9.543	ug/l	95
25) 2-Butanone	7.19	43	10634	21.595	ug/l	97
29) Tetrahydrofuran	7.56	42	346	1.125	ug/l #	51
31) Cyclohexane	7.95	56	3877	1.233	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	13907	5.318	ug/l #	50
37) Ethyl Acetate	7.19	43	10634	9.662	ug/l #	70
38) Carbon Tetrachloride	7.95	117	17143	6.117	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	36820	54.584	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36820	122.940	ug/l #	7

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

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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: VW005560.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_W

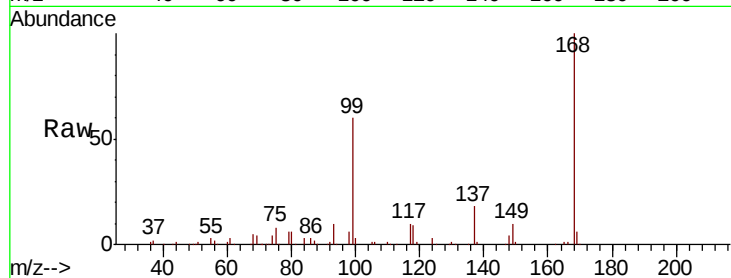
ClientSampleId :

Tot Ion:168 Resp: 172100

Ion Ratio Lower Upper

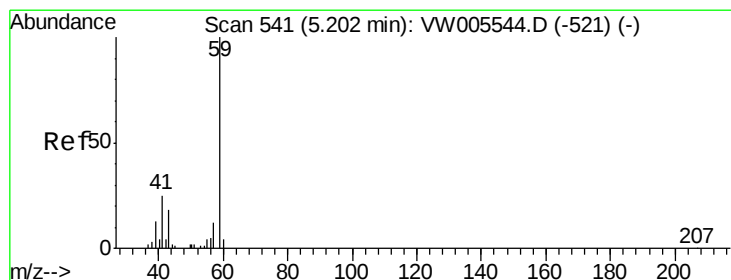
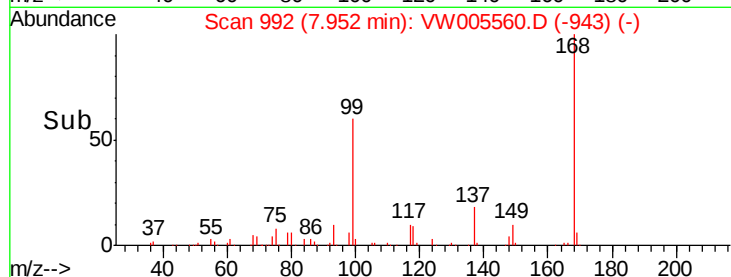
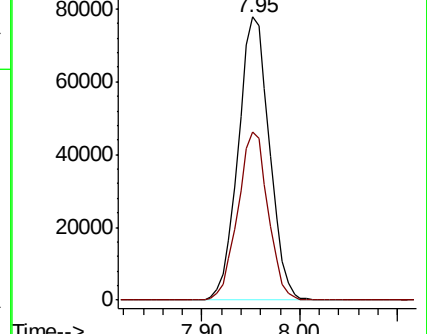
168 100

99 59.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. -0.02 min

Lab File: VW005560.D

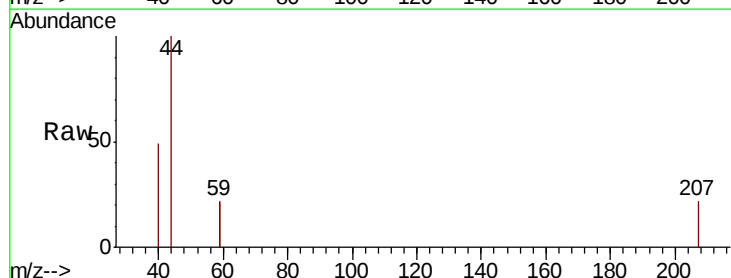
Acq: 21 Sep 2018 15:15

Tgt Ion: 59 Resp: 96

Ion Ratio Lower Upper

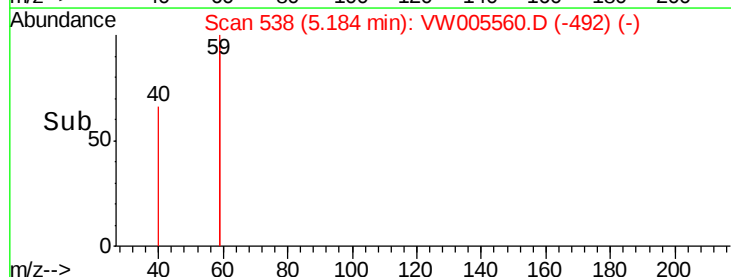
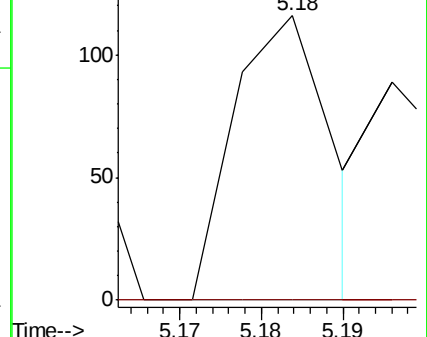
59 100

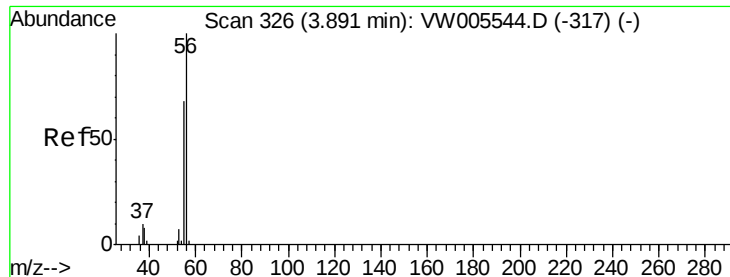
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005560.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_W

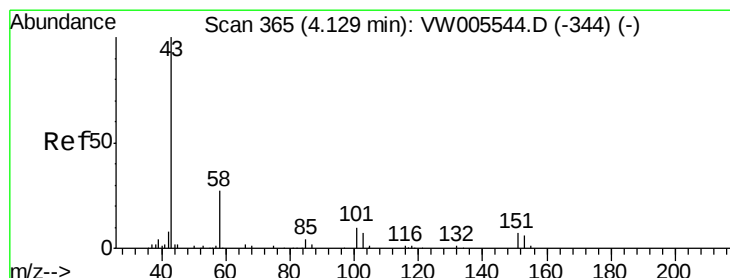
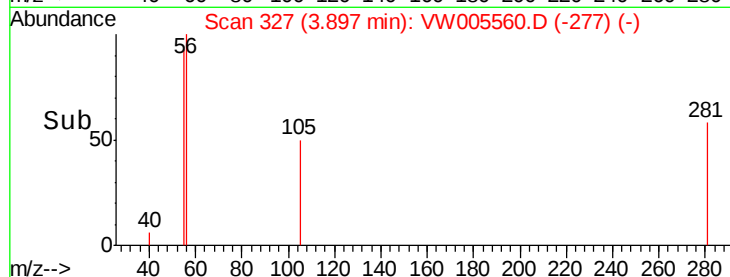
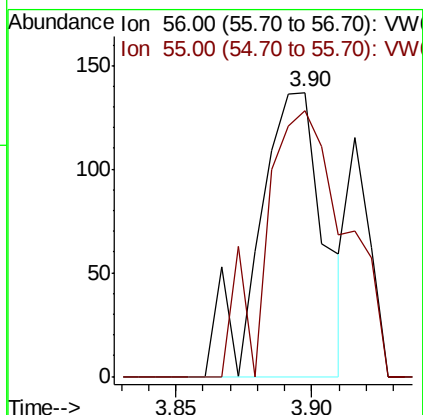
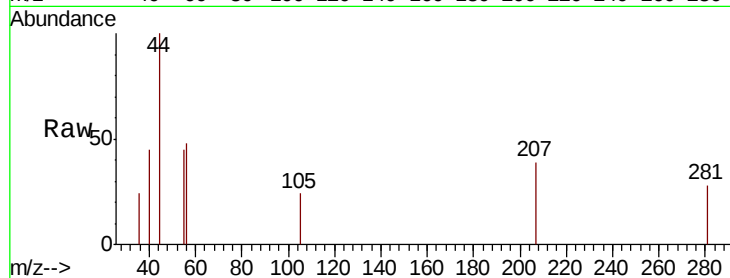
ClientSampled :

Tot Ion: 56 Resp: 226

Ion Ratio Lower Upper

56 100

55 116.4 57.8 86.8#



#16

Acetone

Concen: 140.961 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005560.D

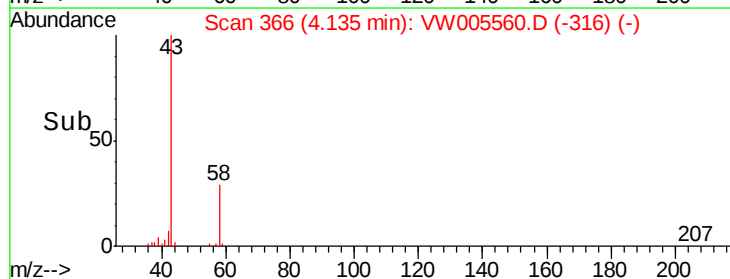
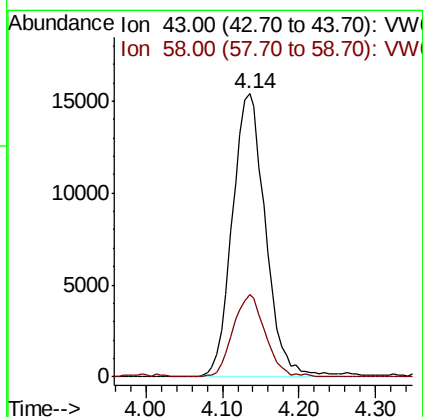
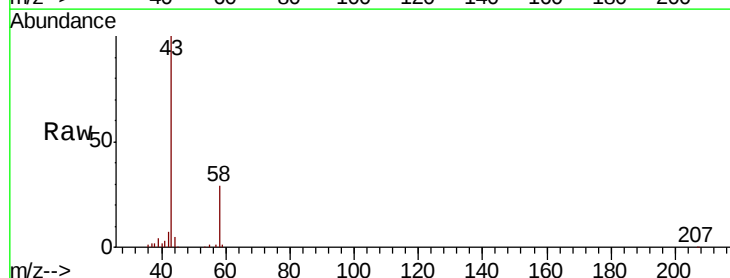
Acq: 21 Sep 2018 15:15

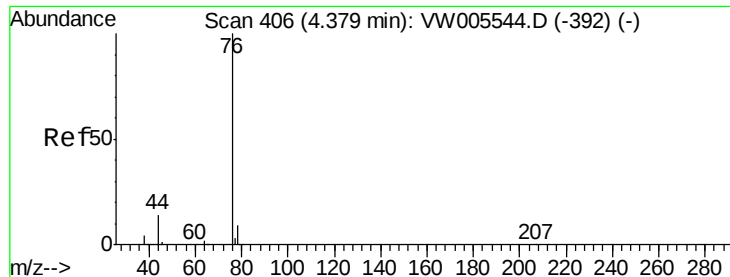
Tgt Ion: 43 Resp: 46241

Ion Ratio Lower Upper

43 100

58 28.9 21.8 32.8





#17

Carbon Disulfide

Concen: 1.950 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005560.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_W

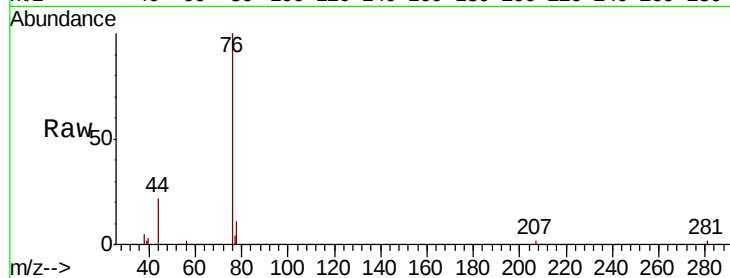
ClientSampleId :

Tot Ion: 76 Resp: 9552

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

3000

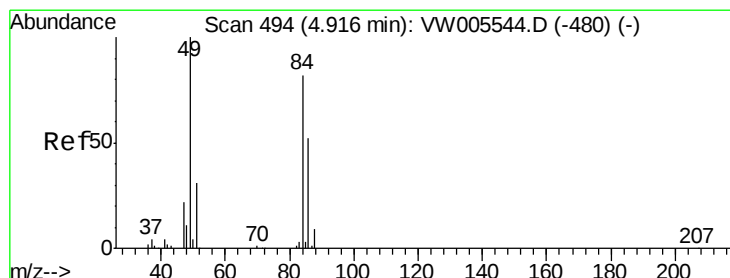
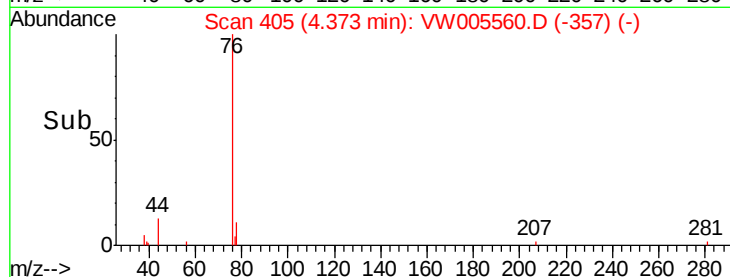
2000

1000

0

Time-->

4.30 4.40 4.50



#20

Methylene Chloride

Concen: 9.543 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005560.D

Acq: 21 Sep 2018 15:15

Tgt Ion: 84 Resp: 22104

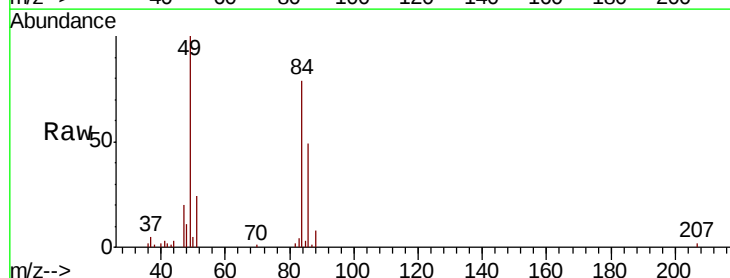
Ion Ratio Lower Upper

84 100

49 126.3 97.0 145.6

51 30.7 30.2 45.2

86 61.9 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

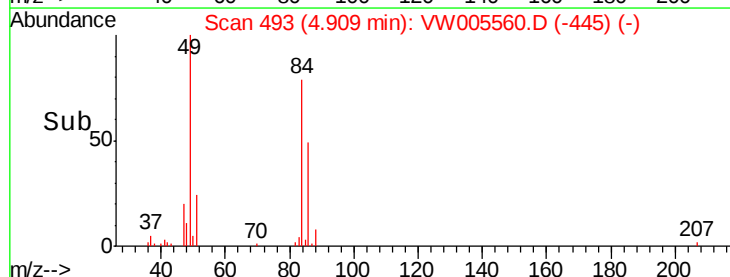
10000

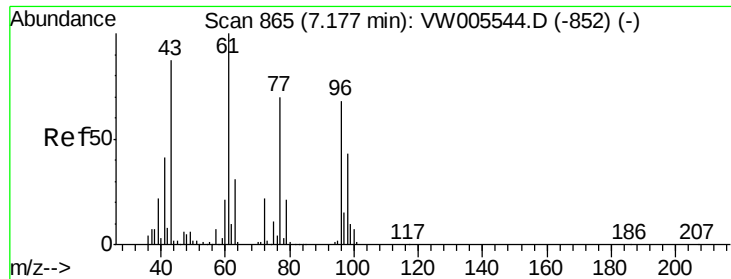
5000

0

Time-->

4.80 4.90 5.00 5.10





#25

2-Butanone

Concen: 21.595 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005560.D

Acq: 21 Sep 2018 15:15

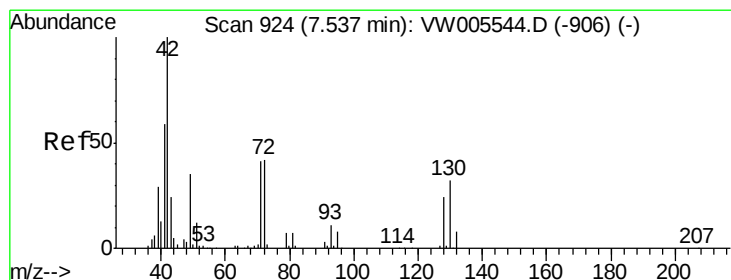
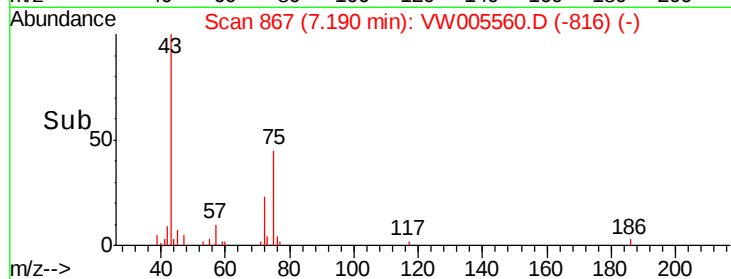
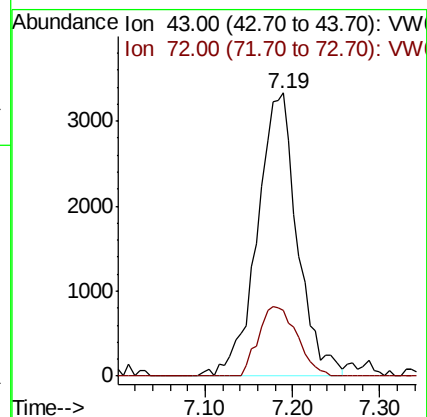
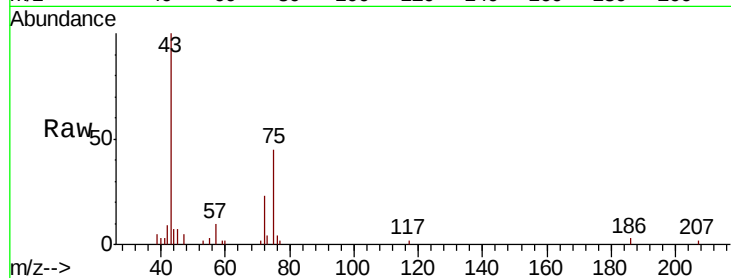
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 10634

Ion Ratio Lower Upper

43 100

72 23.3 19.9 29.9



#29

Tetrahydrofuran

Concen: 1.125 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005560.D

Acq: 21 Sep 2018 15:15

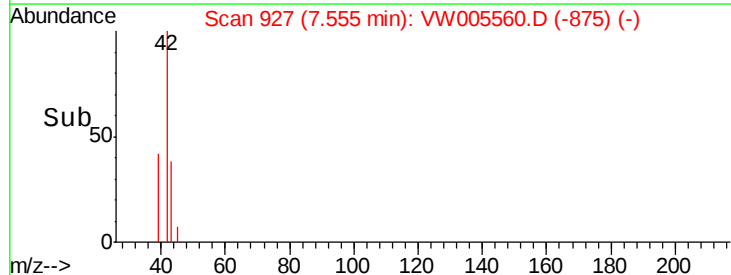
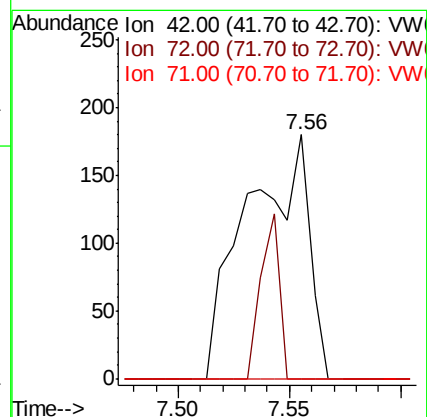
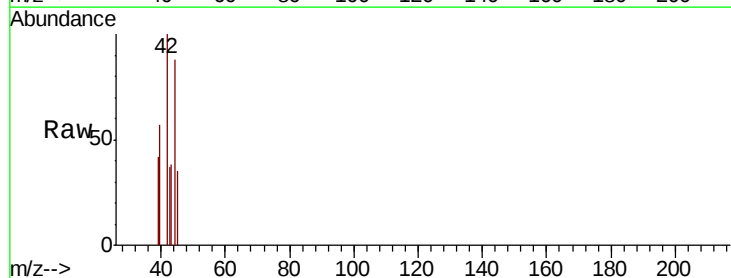
Tgt Ion: 42 Resp: 346

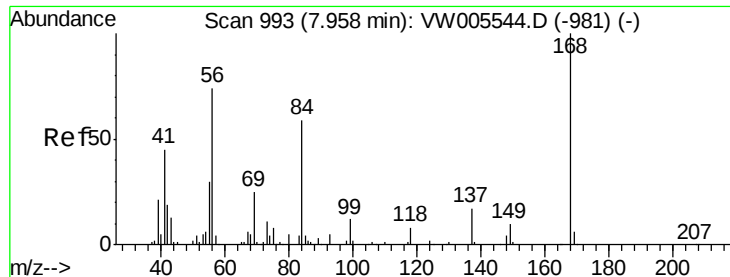
Ion Ratio Lower Upper

42 100

72 20.8 33.6 50.4#

71 0.0 31.8 47.6#

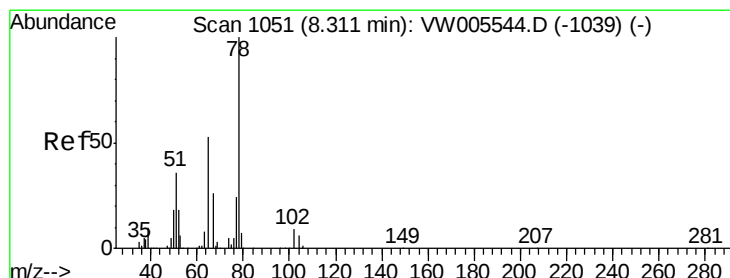
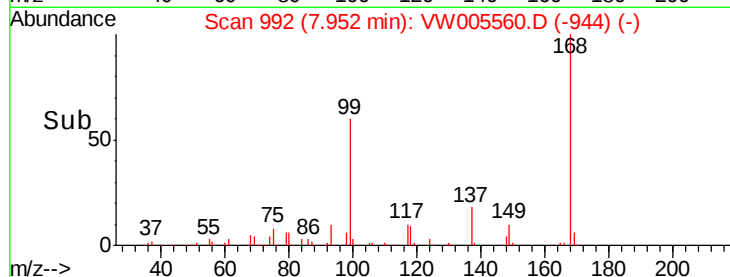
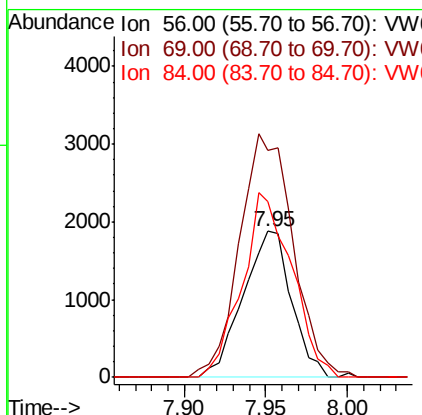
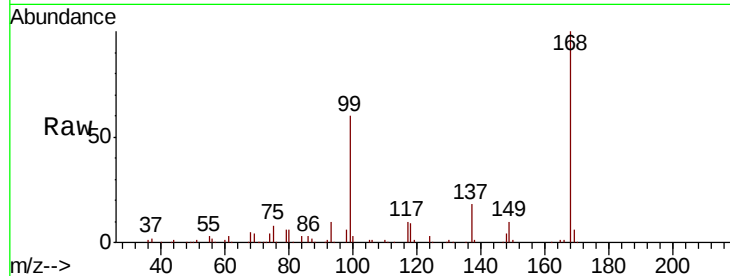




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005560.D
Acq: 21 Sep 2018 15:15

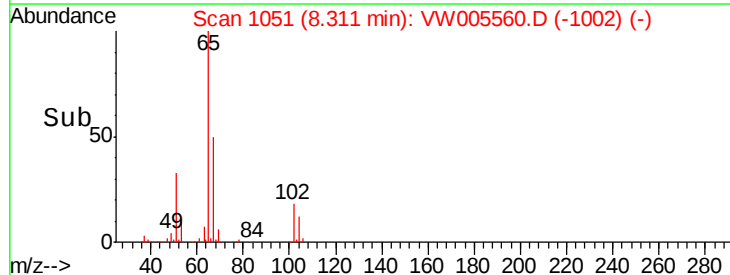
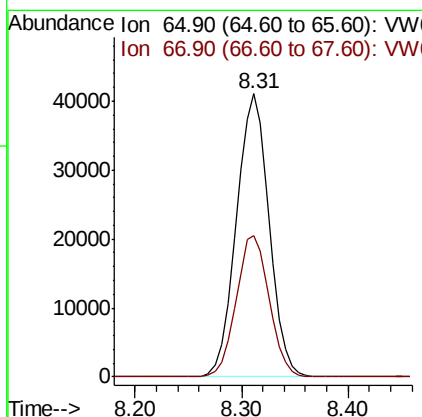
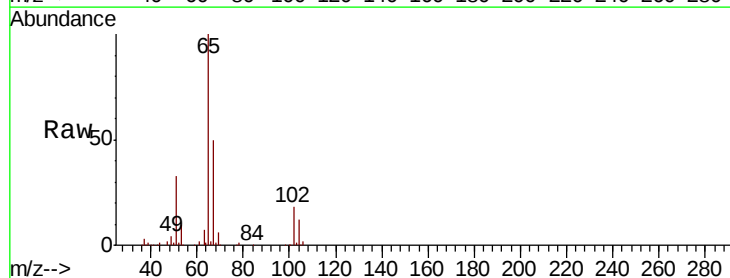
Instrument :
MSVOA_W
ClientSampled :

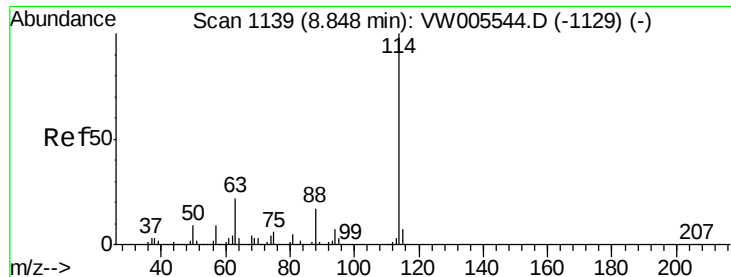
Tot Ion	56	Resp	3877
Ion Ratio	Lower	Upper	
56	100		
69	154.9	27.0	40.4#
84	120.6	64.2	96.4#



#33
1,2-Dichloroethane-d4
Concen: 43.607 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005560.D
Acq: 21 Sep 2018 15:15

Tgt Ion	65	Resp	88411
Ion Ratio	Lower	Upper	
65	100		
67	50.4	0.0	100.6

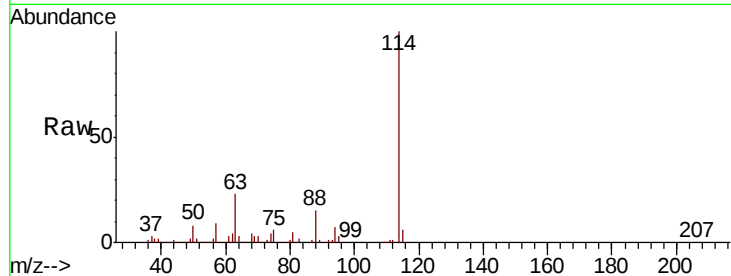




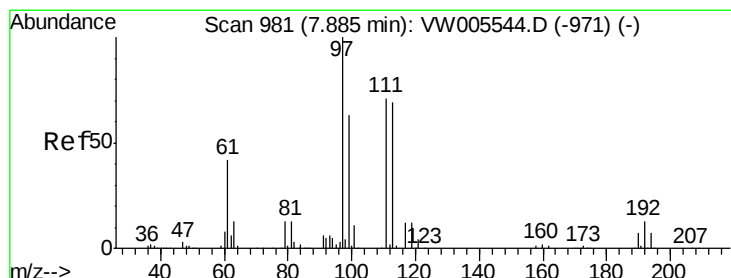
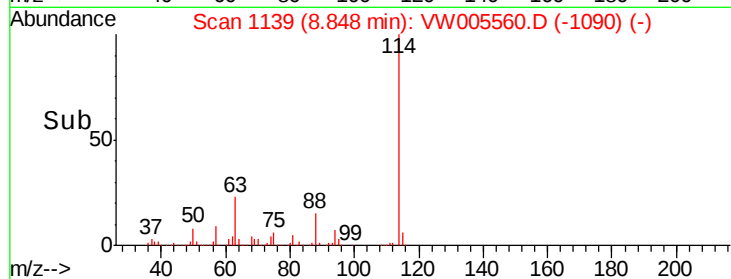
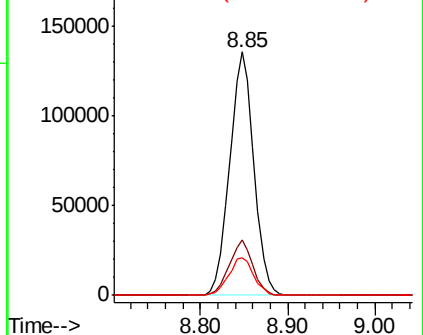
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005560.D
 Acq: 21 Sep 2018 15:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	43.0
88	15.4	0.0	33.0

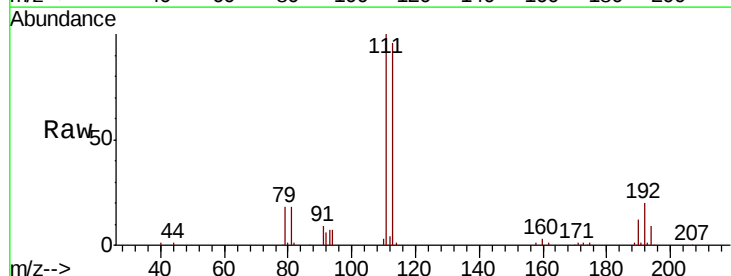


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

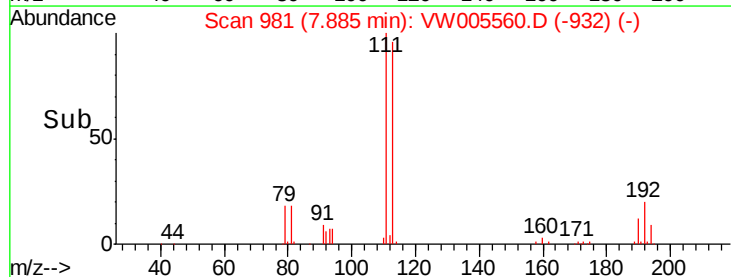
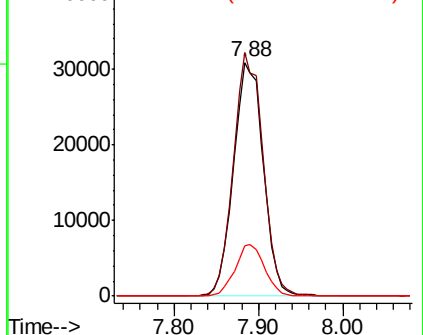


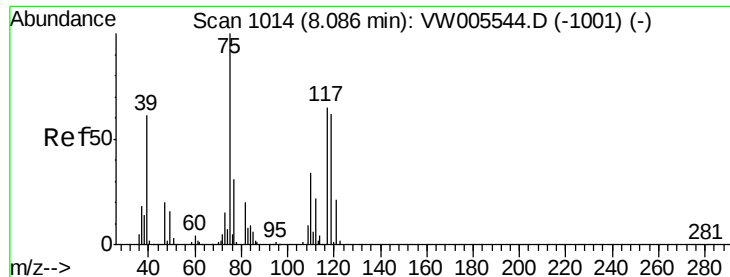
#35
 Dibromofluoromethane
 Concen: 45.041 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005560.D
 Acq: 21 Sep 2018 15:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	21.7	17.0	25.4



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: 5.318 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005560.D

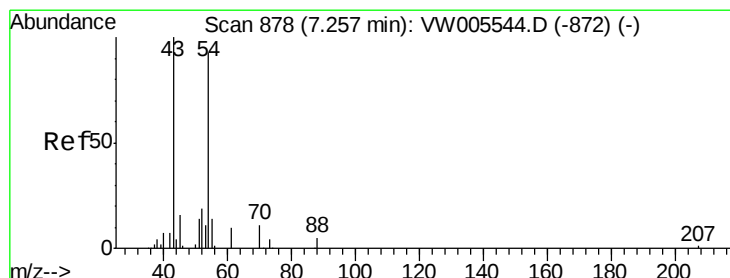
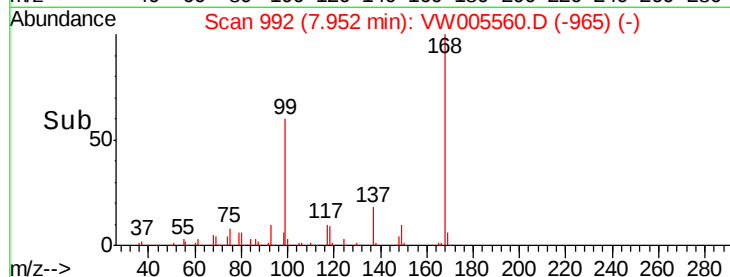
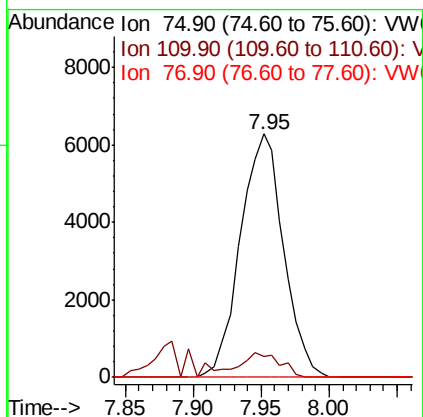
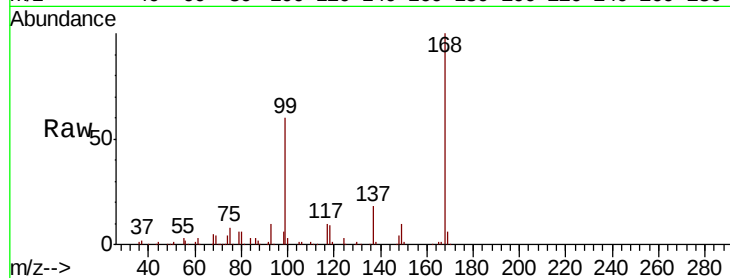
Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	75	Resp:	13907
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.0	50.9#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 9.662 ug/l

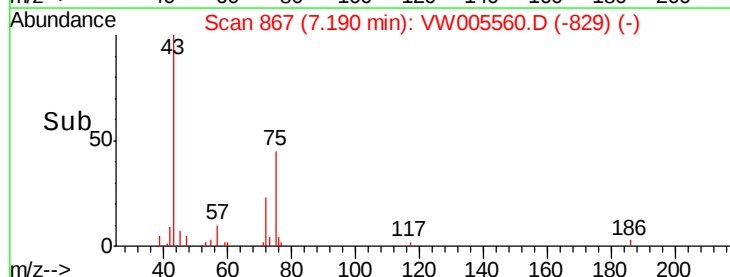
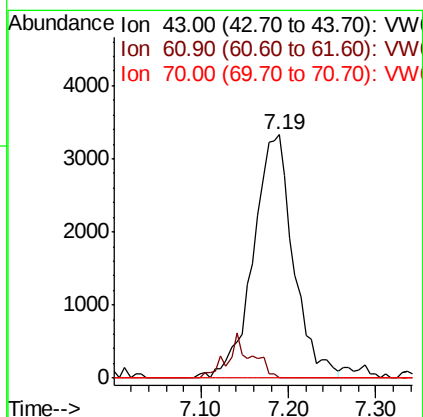
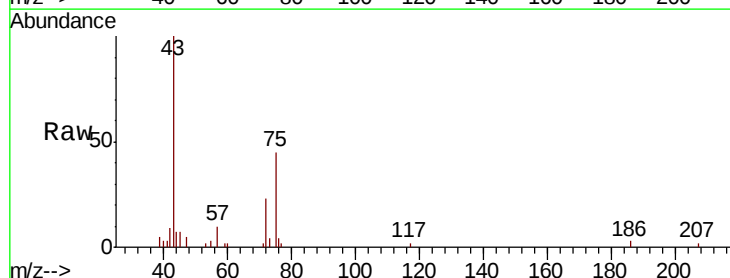
RT: 7.19 min Scan# 867

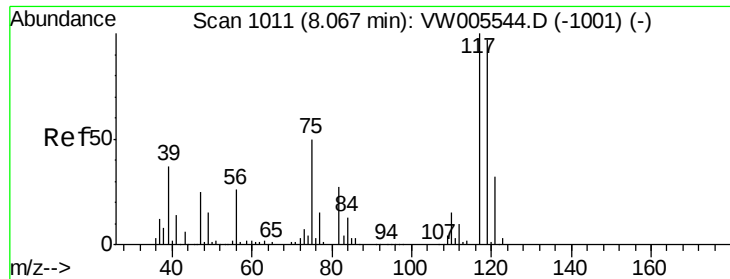
Delta R.T. -0.07 min

Lab File: VW005560.D

Acq: 21 Sep 2018 15:15

Tgt Ion:	43	Resp:	10634
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	8.2	12.2#

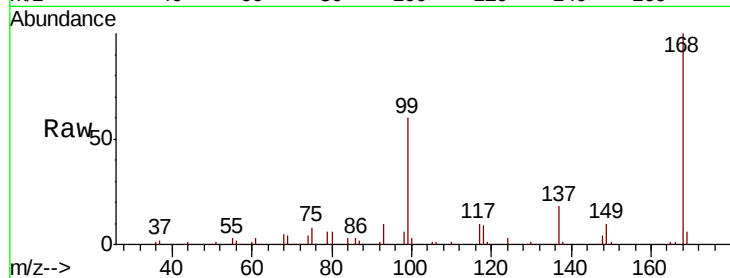




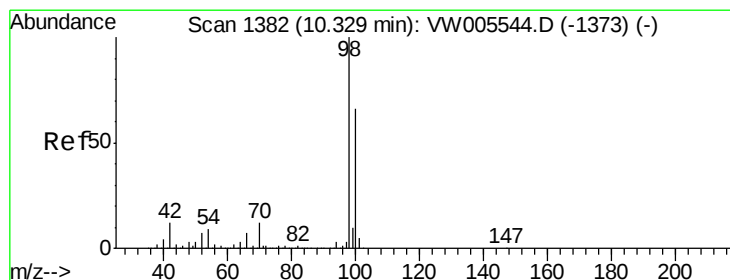
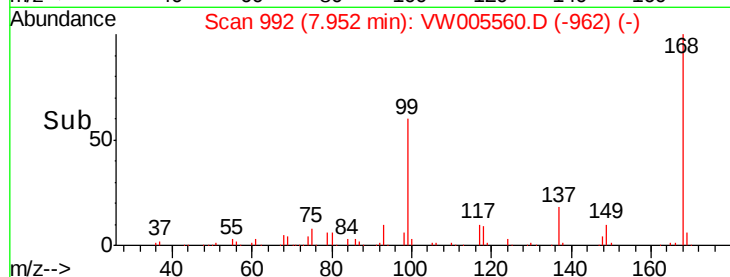
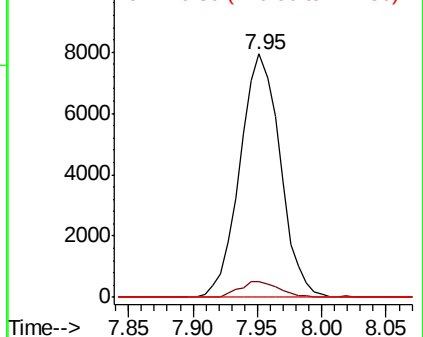
#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005560.D
Acq: 21 Sep 2018 15:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 17143
Ion Ratio Lower Upper
117 100
119 6.4 77.6 116.4#
121 0.0 25.7 38.5#

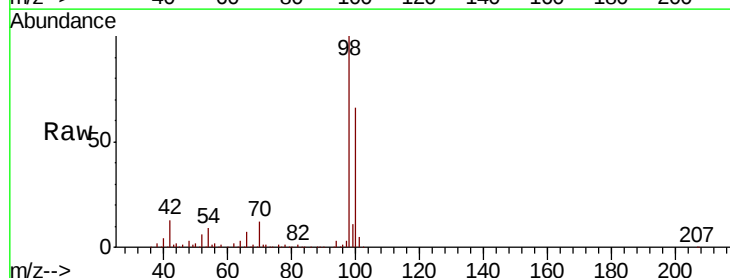


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

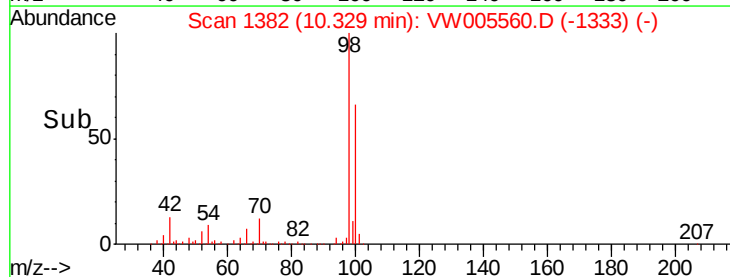
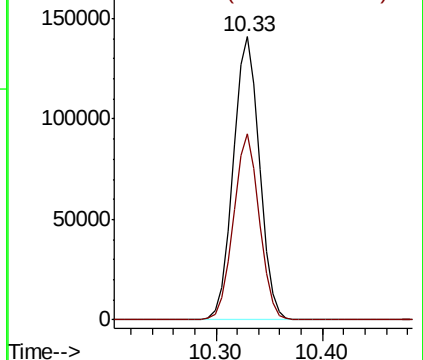


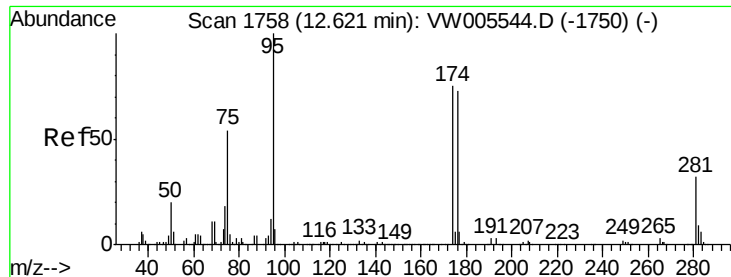
#50
Toluene-d8
Concen: 36.733 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005560.D
Acq: 21 Sep 2018 15:15

Tgt Ion: 98 Resp: 244361
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



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

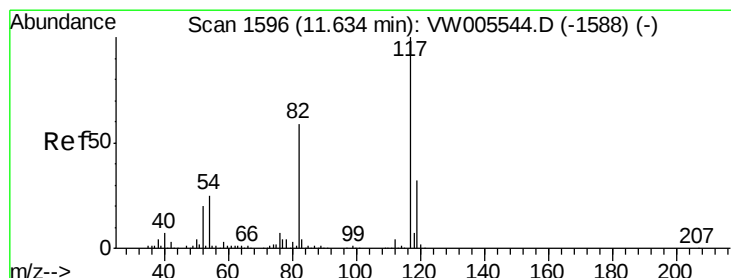
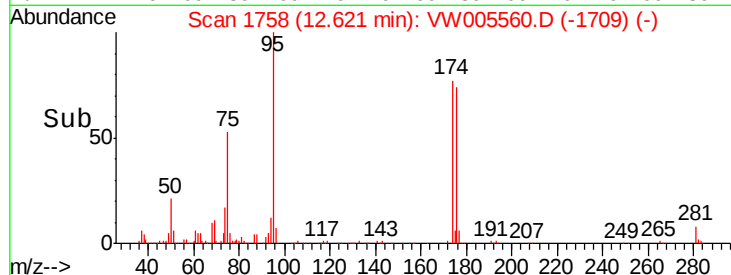
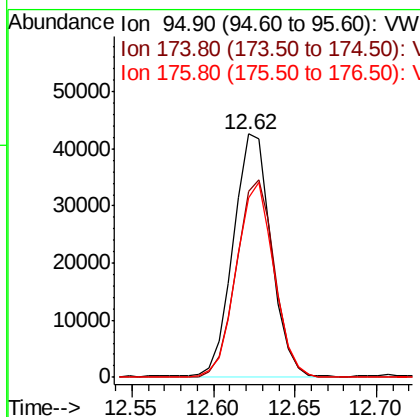
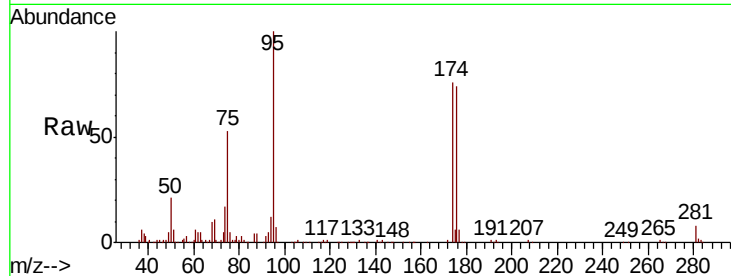




#62
4-Bromofluorobenzene
Concen: 27.763 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005560.D
Acq: 21 Sep 2018 15:15

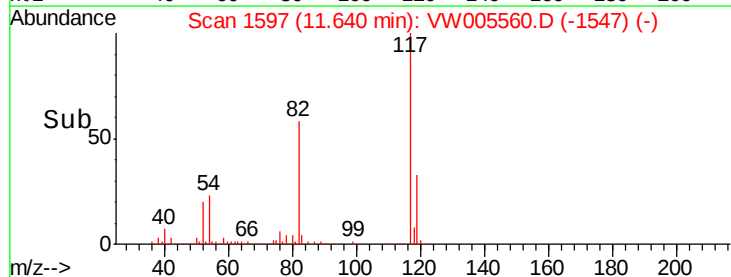
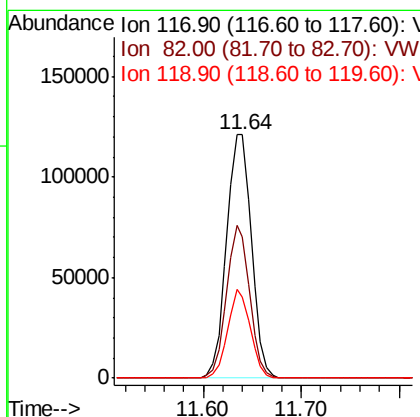
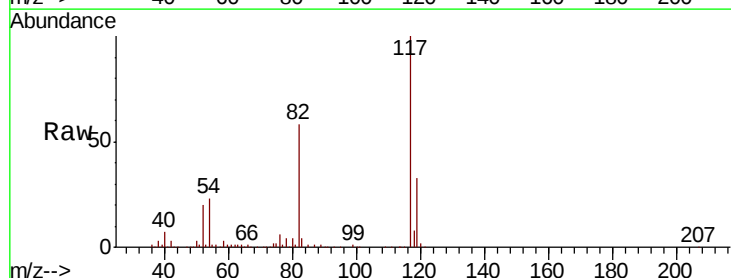
Instrument :
MSVOA_W
ClientSampleId :

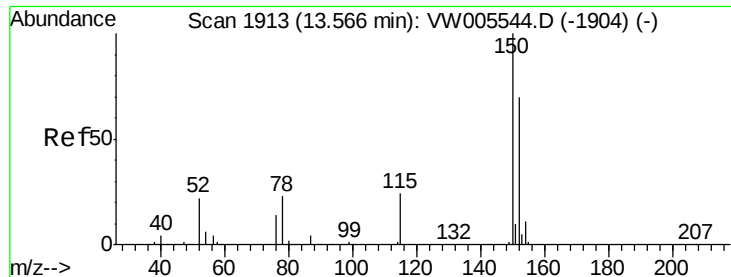
Tot Ion: 95 Resp: 68341
Ion Ratio Lower Upper
95 100
174 82.3 0.0 163.8
176 80.3 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005560.D
Acq: 21 Sep 2018 15:15

Tgt Ion: 117 Resp: 213675
Ion Ratio Lower Upper
117 100
82 58.2 46.9 70.3
119 33.1 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: VW005560.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

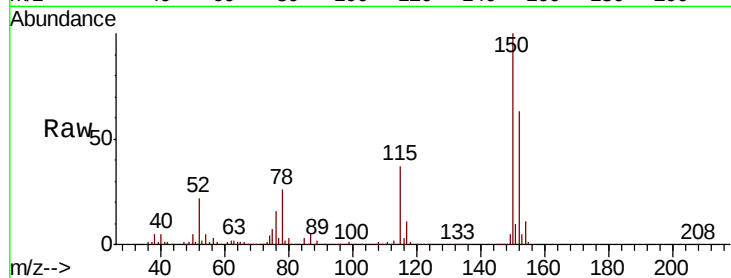
Tot Ion:152 Resp: 79133

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

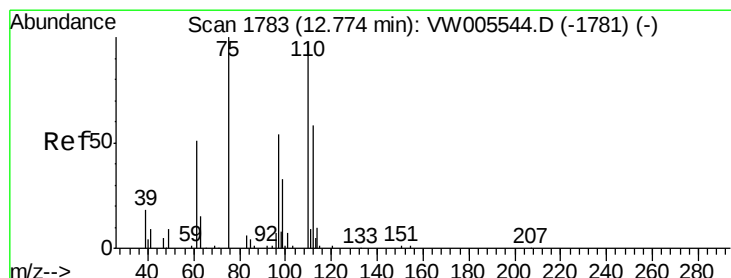
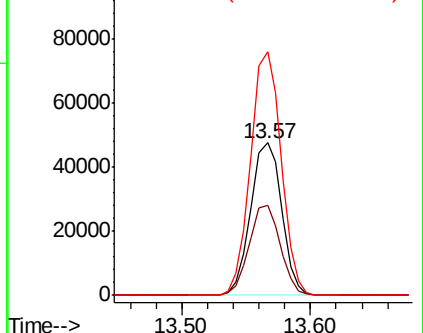
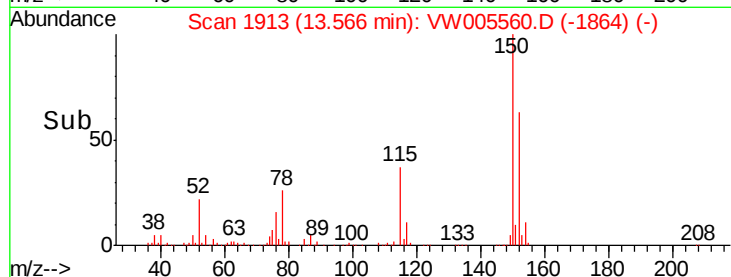
150 157.3 0.0 348.6



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: 54.584 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005560.D

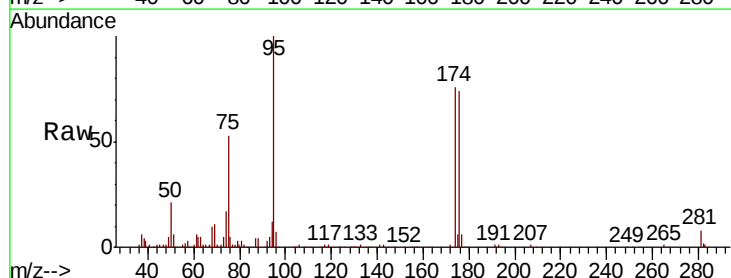
Acq: 21 Sep 2018 15:15

Tgt Ion: 75 Resp: 36820

Ion Ratio Lower Upper

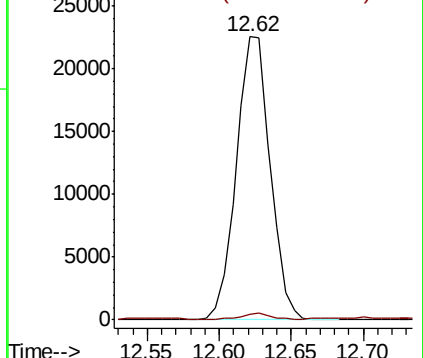
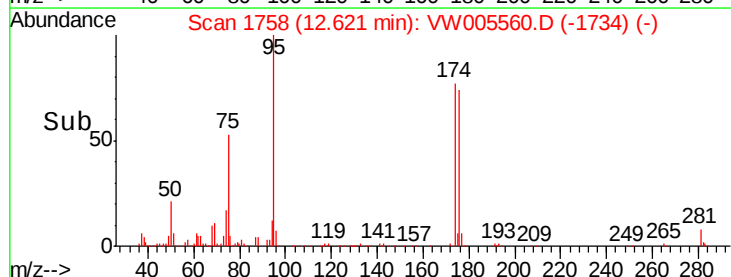
75 100

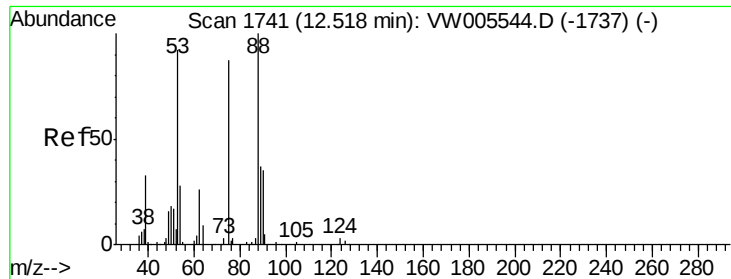
77 1.9 0.0 0.0#



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: 122.940 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005560.D

Acq: 21 Sep 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

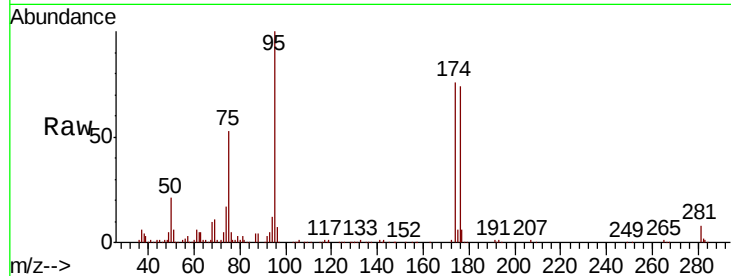
Tot Ion: 75 Resp: 36820

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.2 37.3 55.9#



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

