

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003926.D
 Acq On : 13 Jul 2018 20:12
 Operator : VA/AP
 Sample : J3947-01RE
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:54:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	4981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	7216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	6334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1941	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	6048	92.85	ug/l	0.00
Spiked Amount			Recovery	=	185.70%	
35) Dibromofluoromethane	7.88	113	5443	107.77	ug/l	0.00
Spiked Amount			Recovery	=	215.54%	
50) Toluene-d8	10.33	98	14308	74.06	ug/l	0.00
Spiked Amount			Recovery	=	148.12%	
62) 4-Bromofluorobenzene	12.62	95	3525	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

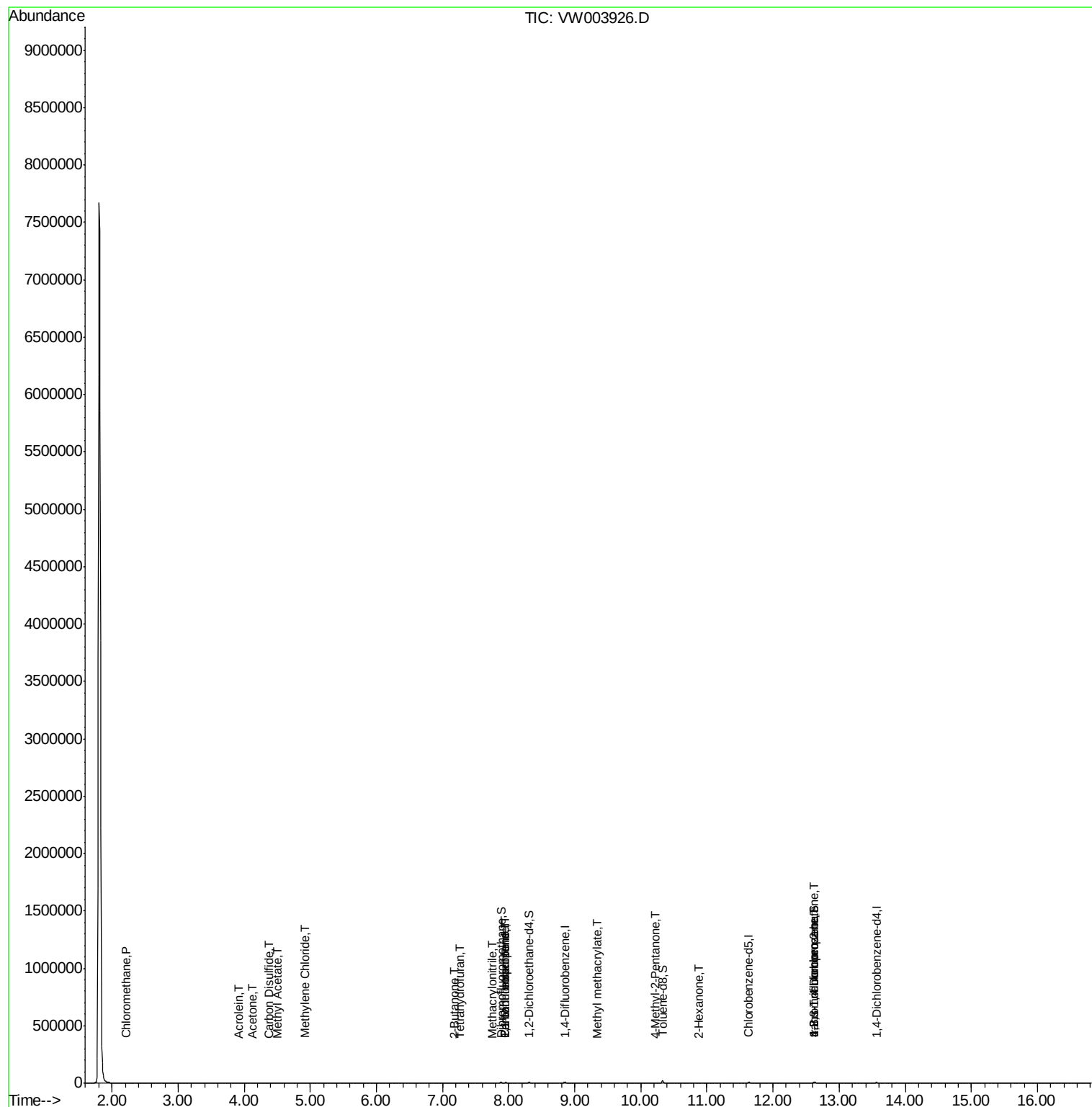
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	176	3.827	ug/l #	40
13) Acrolein	3.91	56	19	7.920	ug/l #	14
16) Acetone	4.12	43	2831	250.505	ug/l	91
17) Carbon Disulfide	4.39	76	821	5.352	ug/l #	74
18) Methyl Acetate	4.50	43	69	2.166	ug/l #	54
20) Methylene Chloride	4.92	84	1415	23.356	ug/l	86
25) 2-Butanone	7.18	43	306	17.287	ug/l #	51
29) Tetrahydrofuran	7.26	42	26	2.285	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	452	5.903	ug/l #	42
38) Carbon Tetrachloride	7.95	117	521	7.157	ug/l #	12
41) Methacrylonitrile	7.75	41	27	1.260	ug/l #	23
48) Methyl methacrylate	9.35	41	74	2.201	ug/l #	14
51) 4-Methyl-2-Pentanone	10.23	43	48	1.314	ug/l #	38
59) 2-Hexanone	10.87	43	41	1.634	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	1872	98.215	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	1872	240.256	ug/l #	7

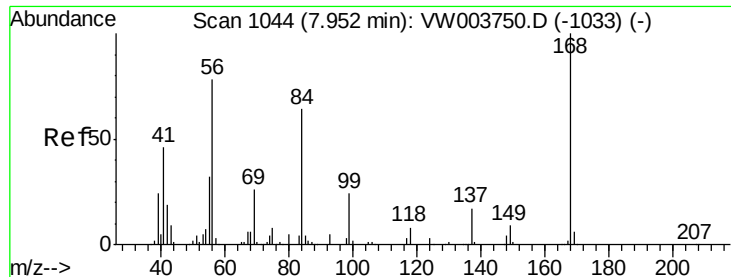
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003926.D

Acq: 13 Jul 2018 20:12

Instrument :

MSVOA_W

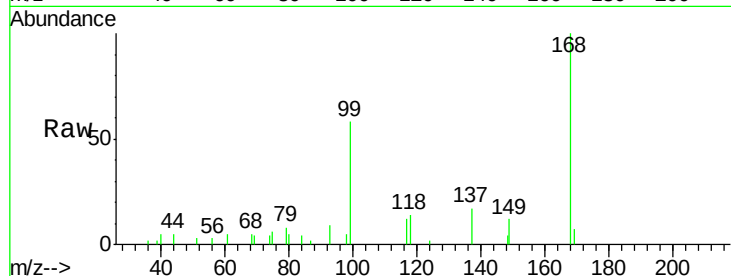
ClientSampleId :

Tot Ion:168 Resp: 4981

Ion Ratio Lower Upper

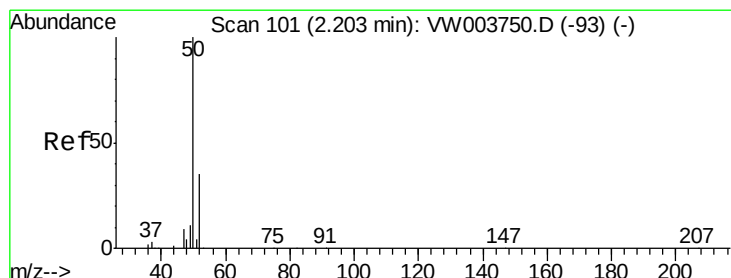
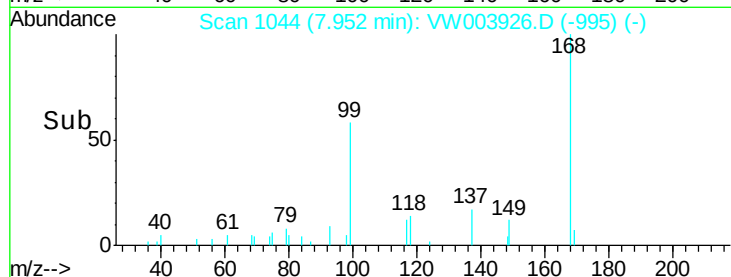
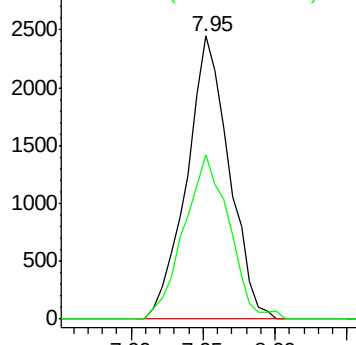
168 100

99 57.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 3.827 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW003926.D

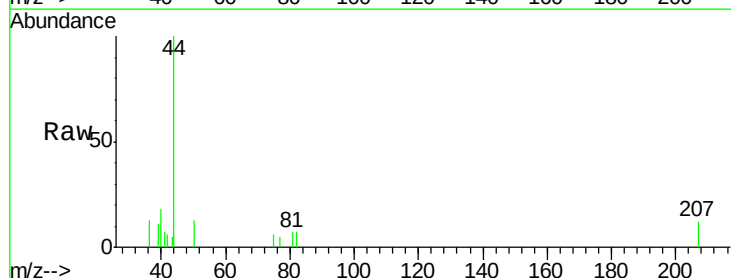
Acq: 13 Jul 2018 20:12

Tgt Ion: 50 Resp: 176

Ion Ratio Lower Upper

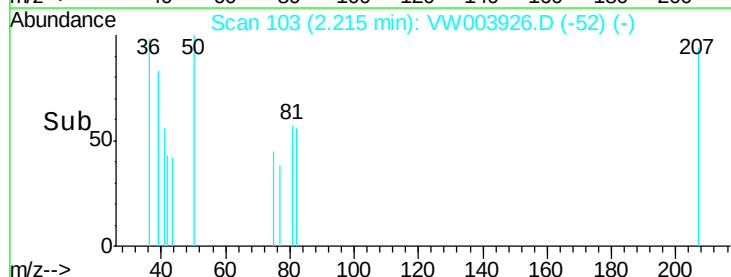
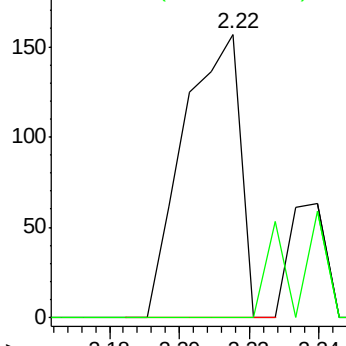
50 100

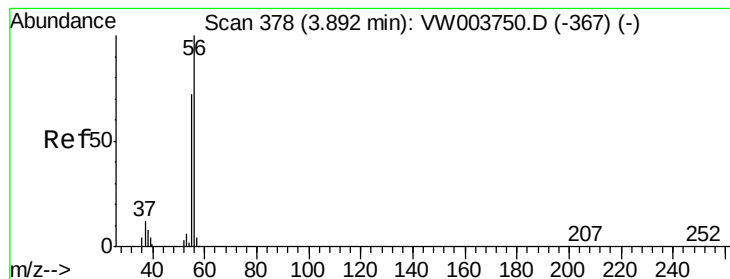
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#13

Acrolein

Concen: 7.920 ug/l

RT: 3.91 min Scan# 381

Delta R.T. 0.02 min

Lab File: VW003926.D

Acq: 13 Jul 2018 20:12

Instrument :

MSVOA_W

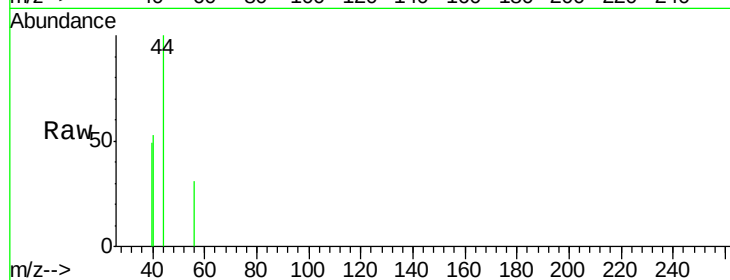
ClientSampleId :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#

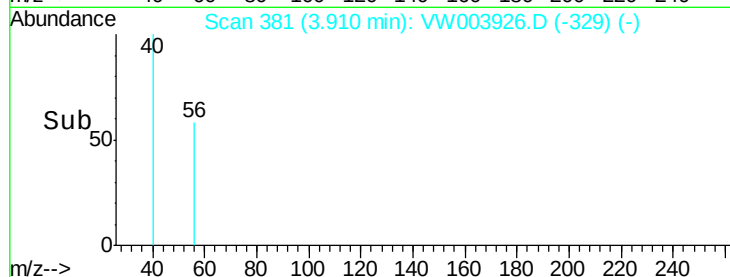


Abundance Ion 56.00 (55.70 to 56.70): VW

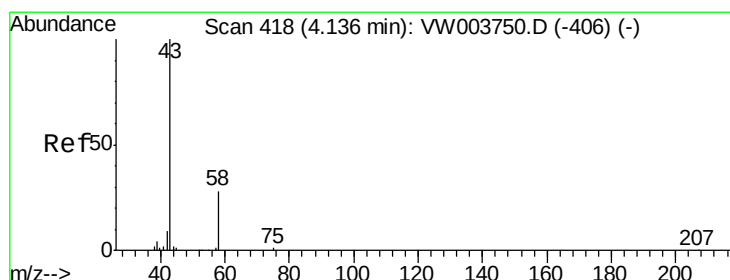
Ion 55.00 (54.70 to 55.70): VW

3.91

Time-->



Time-->



#16

Acetone

Concen: 250.505 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003926.D

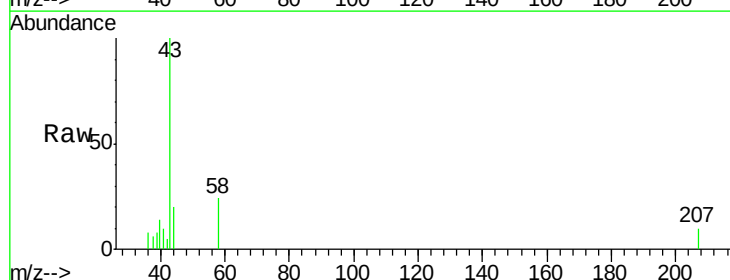
Acq: 13 Jul 2018 20:12

Tgt Ion: 43 Resp: 2831

Ion Ratio Lower Upper

43 100

58 23.8 22.6 34.0

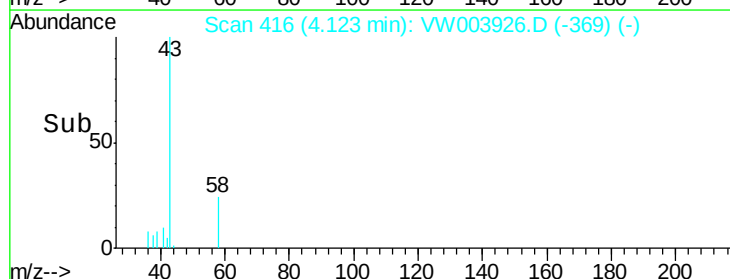


Abundance Ion 43.00 (42.70 to 43.70): VW

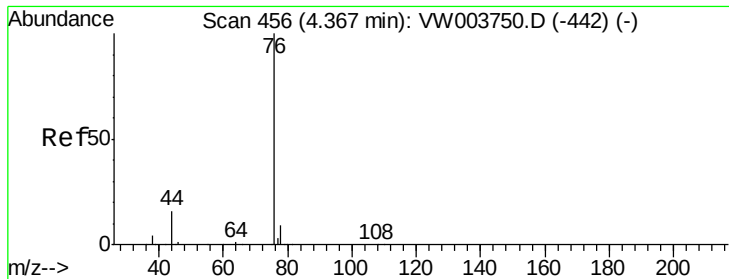
Ion 58.00 (57.70 to 58.70): VW

4.12

Time-->



Time-->



#17

Carbon Disulfide

Concen: 5.352 ug/l

RT: 4.39 min Scan# 459

Delta R.T. 0.02 min

Lab File: VW003926.D

Acq: 13 Jul 2018 20:12

Instrument :

MSVOA_W

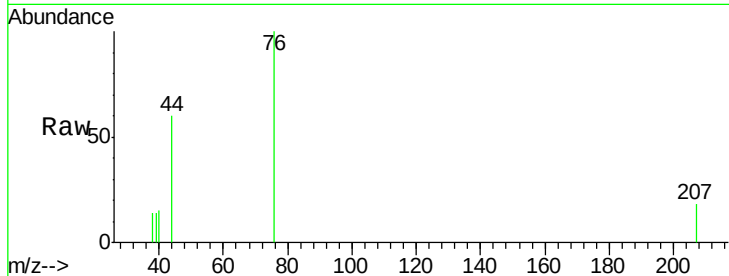
ClientSampled :

Tot Ion: 76 Resp: 821

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

400

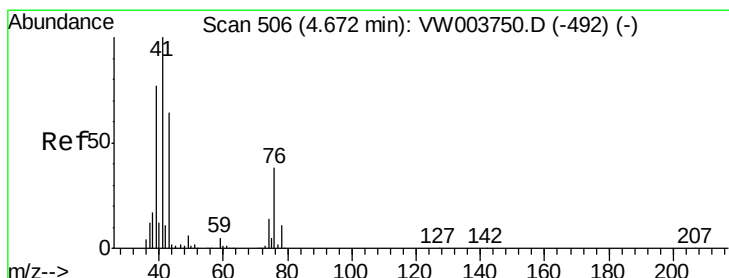
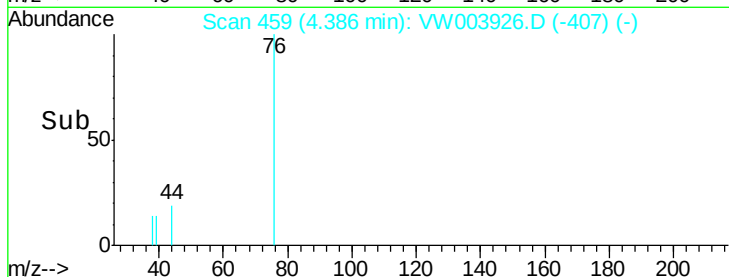
300

200

100

0

Time--> 4.30 4.35 4.40 4.45



#18

Methyl Acetate

Concen: 2.166 ug/l

RT: 4.50 min Scan# 477

Delta R.T. -0.18 min

Lab File: VW003926.D

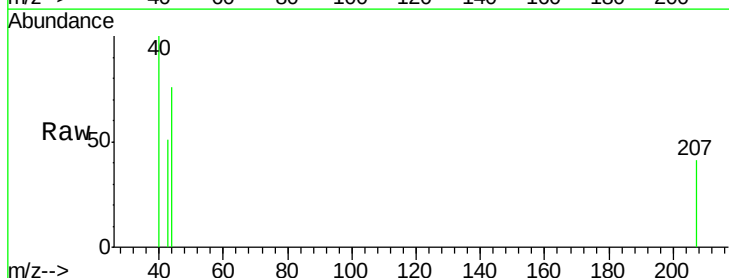
Acq: 13 Jul 2018 20:12

Tgt Ion: 43 Resp: 69

Ion Ratio Lower Upper

43 100

74 0.0 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

80

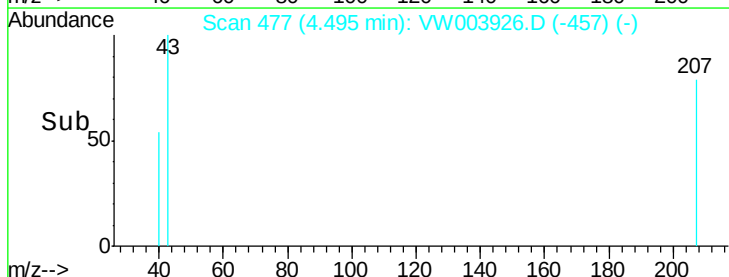
60

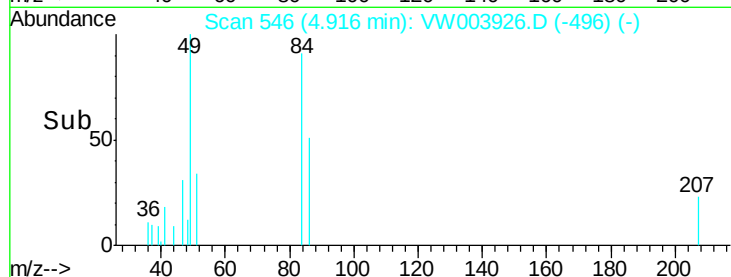
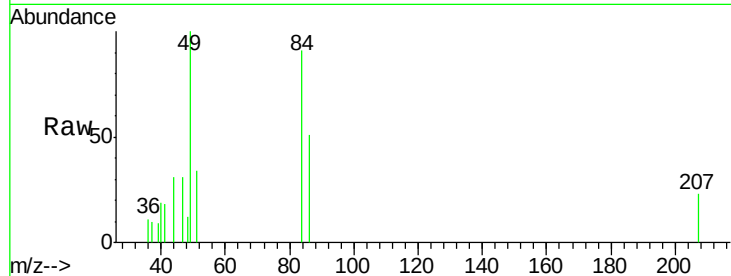
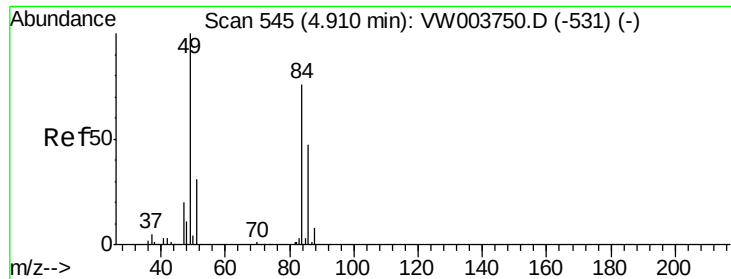
40

20

0

Time--> 4.48 4.50 4.52

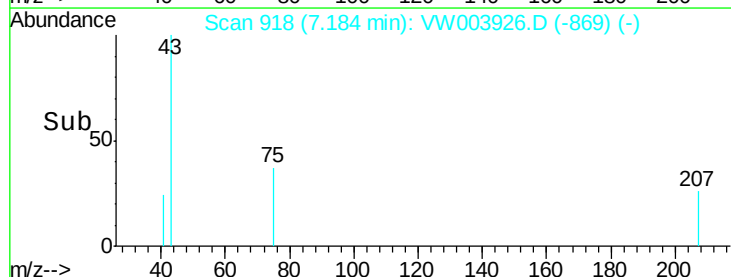
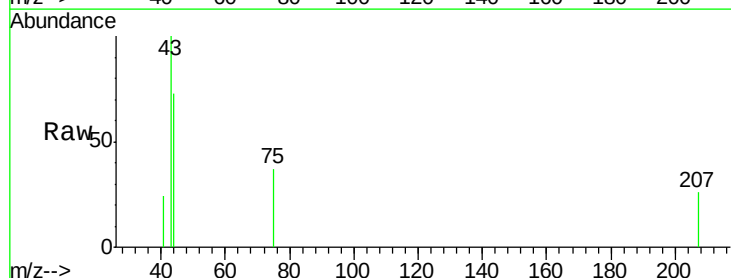
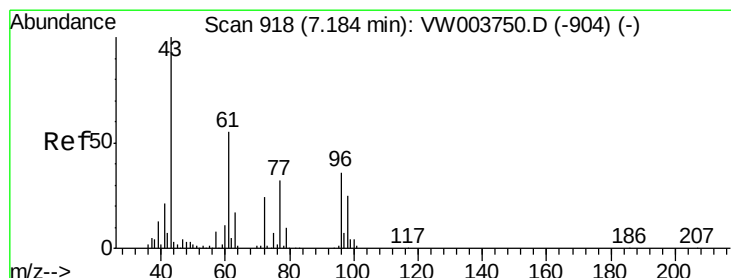
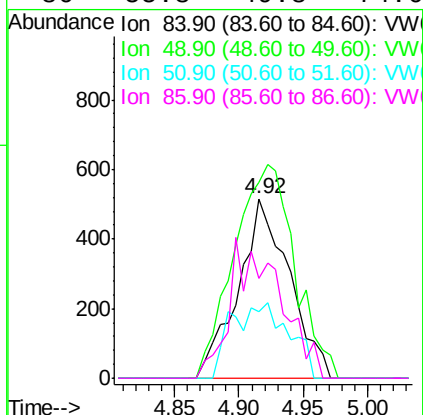




#20
Methylene Chloride
Concen: 23.356 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

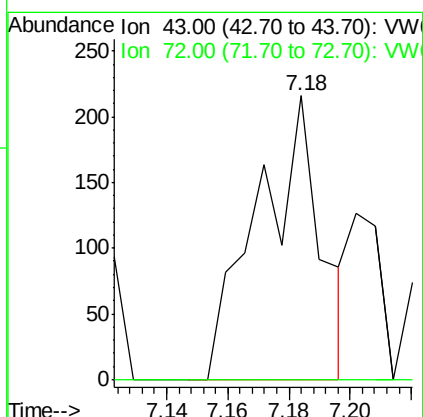
Instrument :
MSVOA_W
ClientSampled :

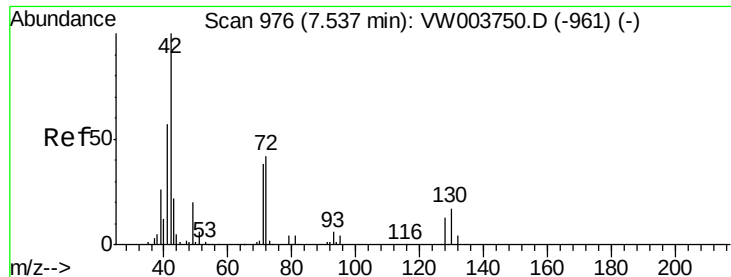
Tot Ion: 84 Resp: 1415
Ion Ratio Lower Upper
84 100
49 109.3 105.1 157.7
51 36.8 32.5 48.7
86 55.8 49.8 74.6



#25
2-Butanone
Concen: 17.287 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

Tgt Ion: 43 Resp: 306
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 2.285 ug/l

RT: 7.26 min Scan# 930

Delta R.T. -0.28 min

Lab File: VW003926.D

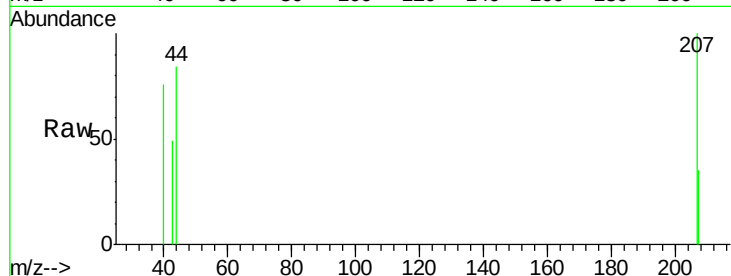
Acq: 13 Jul 2018 20:12

Instrument :

MSVOA_W

ClientSampled :

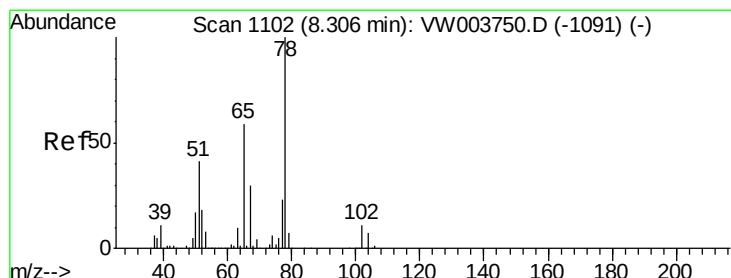
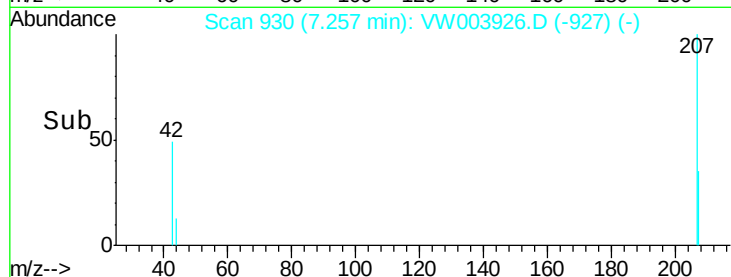
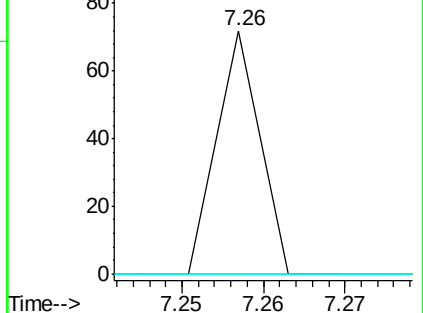
Tot Ion:	42	Resp:	26
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	30.3	45.5#



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



#33

1,2-Dichloroethane-d4

Concen: 92.849 ug/l

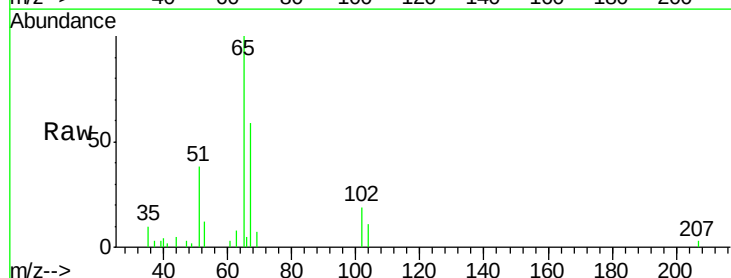
RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003926.D

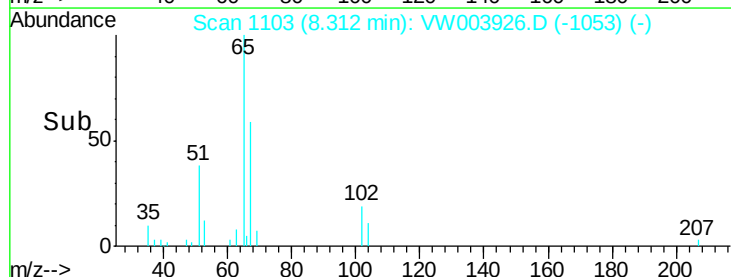
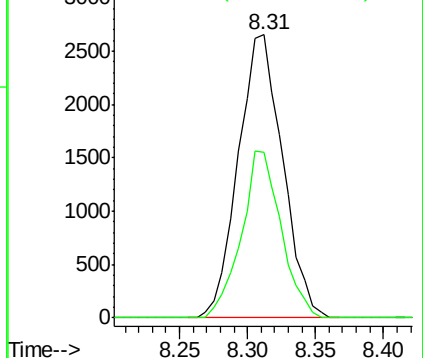
Acq: 13 Jul 2018 20:12

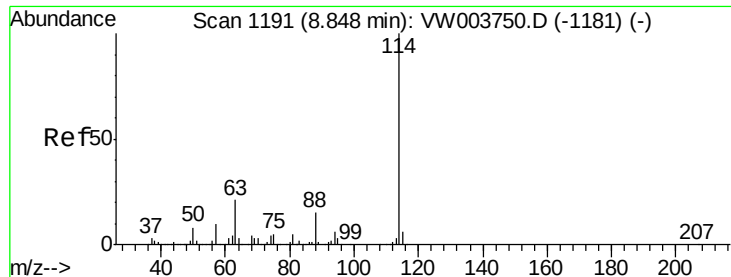
Tgt Ion:	65	Resp:	6048
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

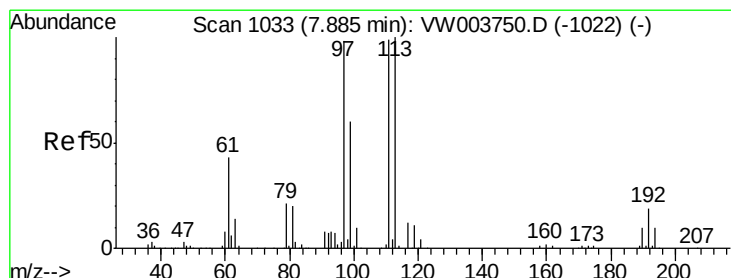
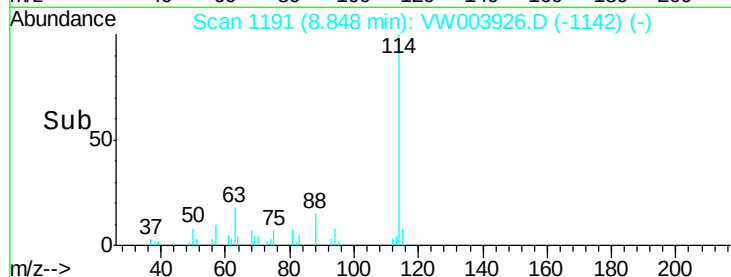
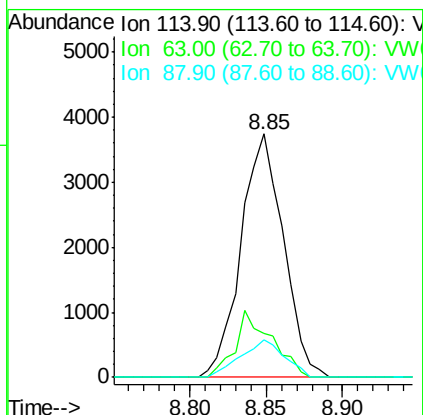
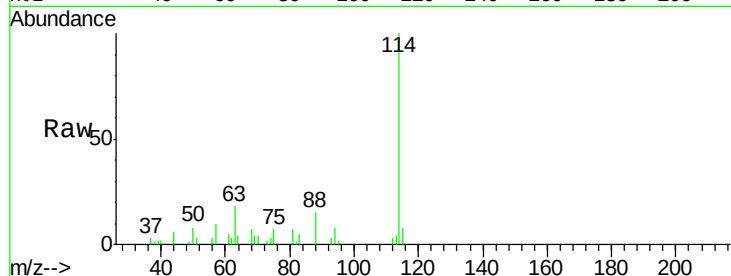




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003926.D
 Acq: 13 Jul 2018 20:12

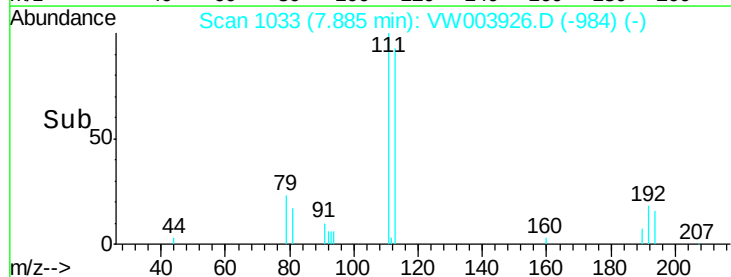
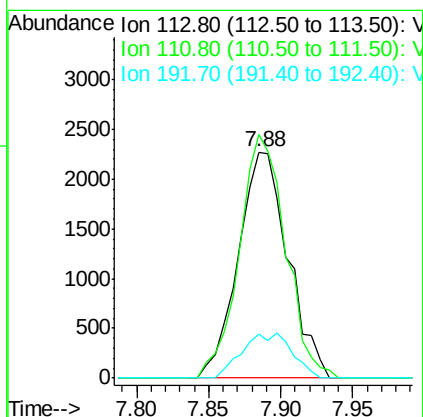
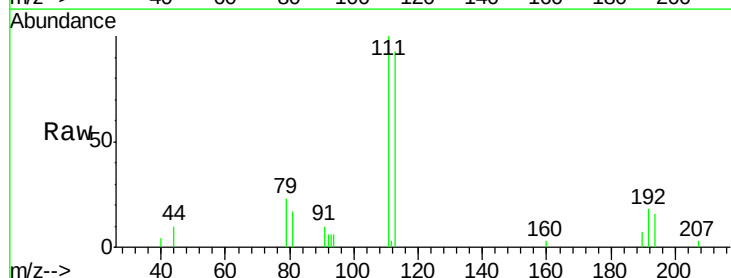
Instrument :
 MSVOA_W
 ClientSampleId :

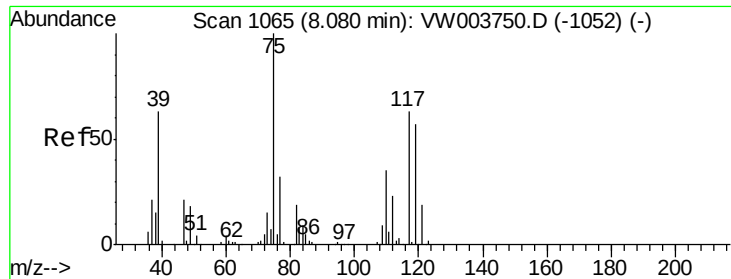
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	41.8
88	15.2	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 107.774 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003926.D
 Acq: 13 Jul 2018 20:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.7	122.5
192	19.9	15.8	23.8

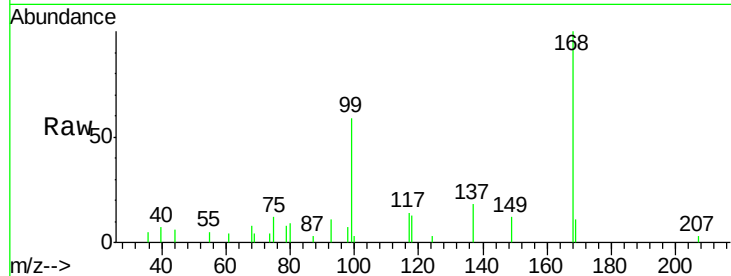




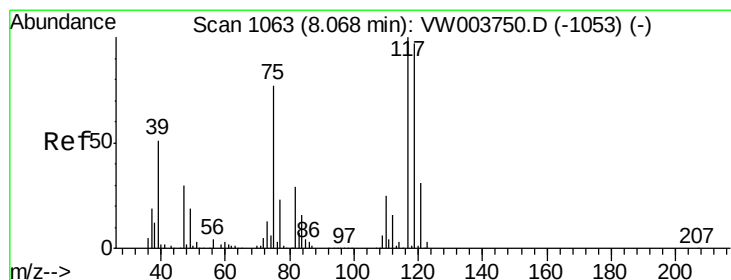
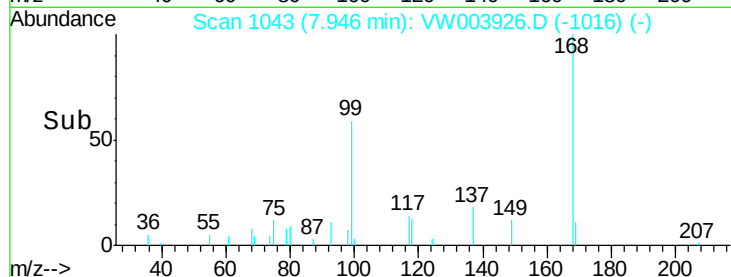
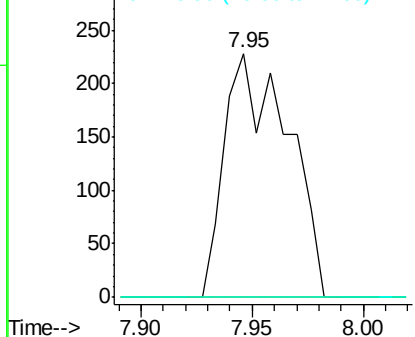
#36
 1,1-Dichloropropene
 Concen: 5.903 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003926.D
 Acq: 13 Jul 2018 20:12

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 452
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.9 50.6#
 77 0.0 24.8 37.2#

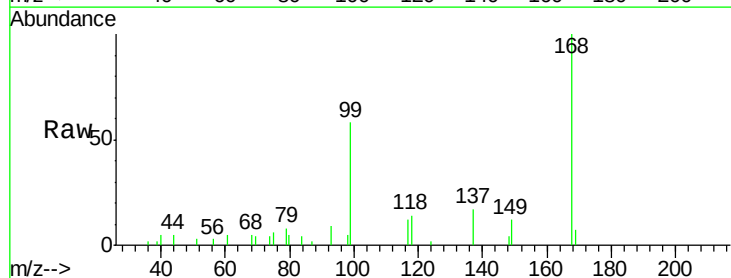


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

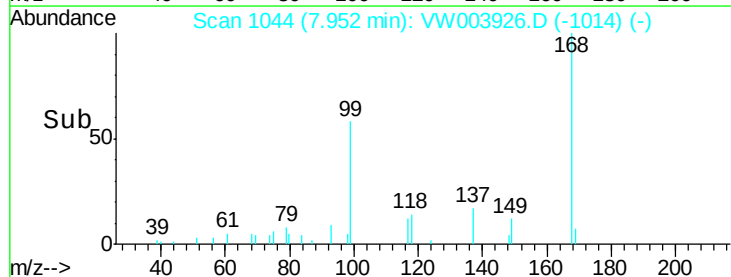
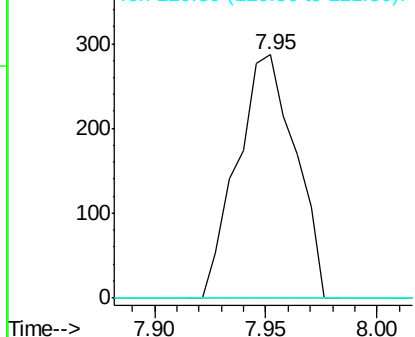


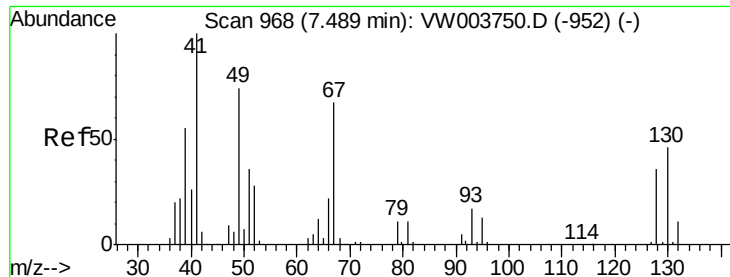
#38
 Carbon Tetrachloride
 Concen: 7.157 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003926.D
 Acq: 13 Jul 2018 20:12

Tgt Ion: 117 Resp: 521
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.4 116.2#
 121 0.0 24.6 37.0#



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

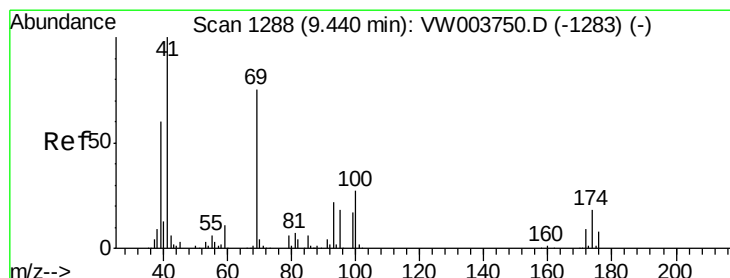
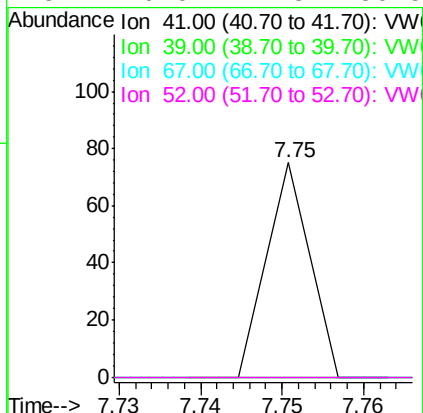
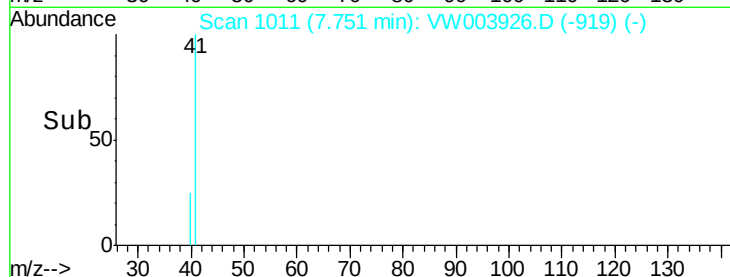
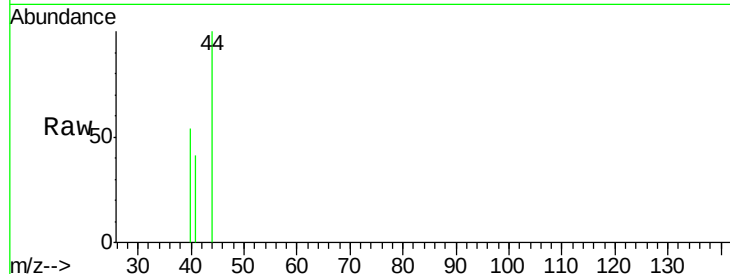




#41
Methacrylonitrile
Concen: 1.260 ug/l
RT: 7.75 min Scan# 1011
Delta R.T. 0.26 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

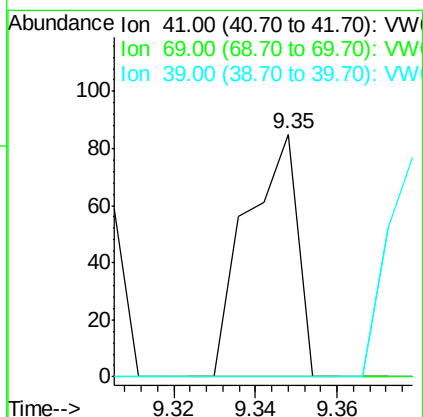
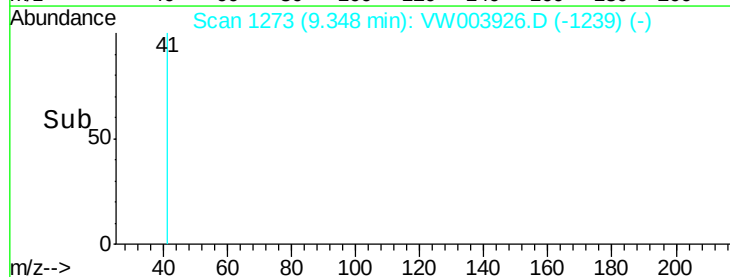
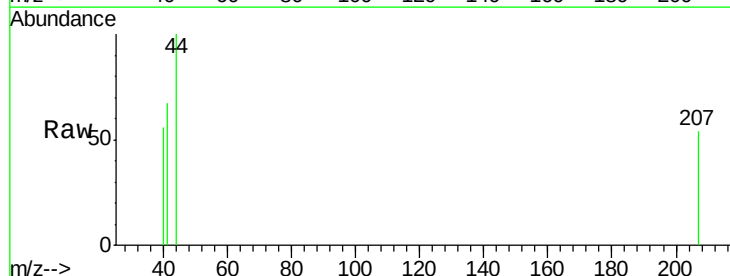
Instrument :
MSVOA_W
ClientSampled :

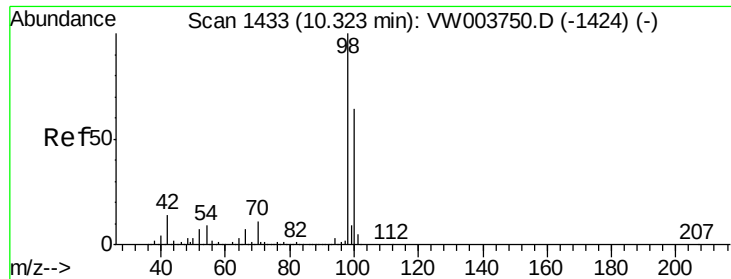
Tot Ion:	41	Resp:	27
Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.5	74.3#
67	0.0	53.8	80.8#
52	0.0	24.3	36.5#



#48
Methyl methacrylate
Concen: 2.201 ug/l
RT: 9.35 min Scan# 1273
Delta R.T. -0.09 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

Tgt Ion:	41	Resp:	74
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.8	95.8#
39	0.0	50.2	75.2#

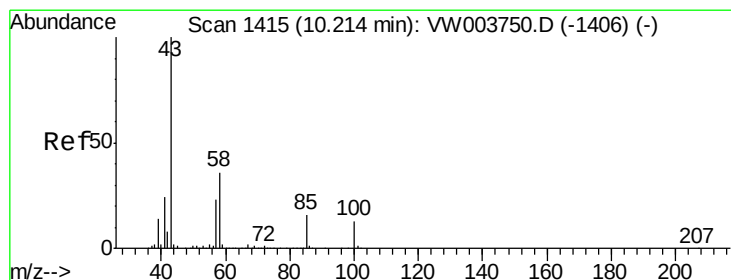
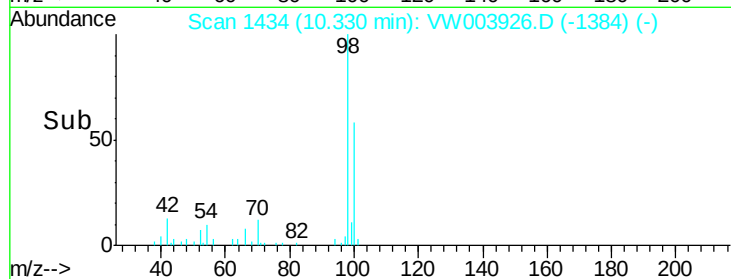
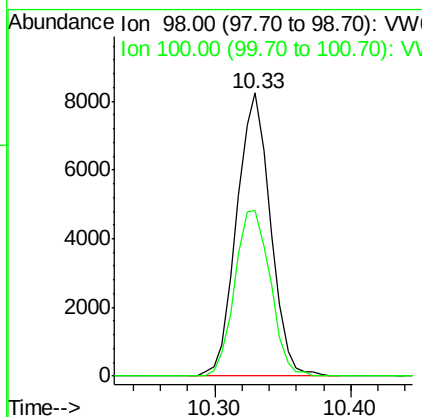
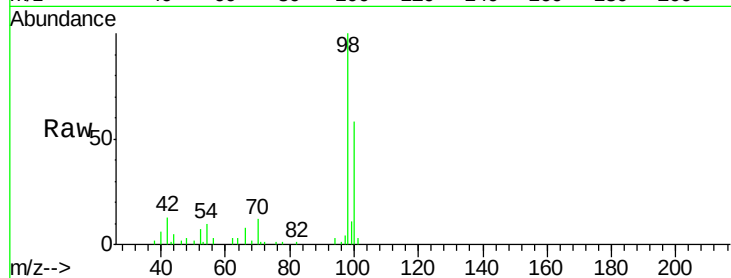




#50
Toluene-d8
Concen: 74.063 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

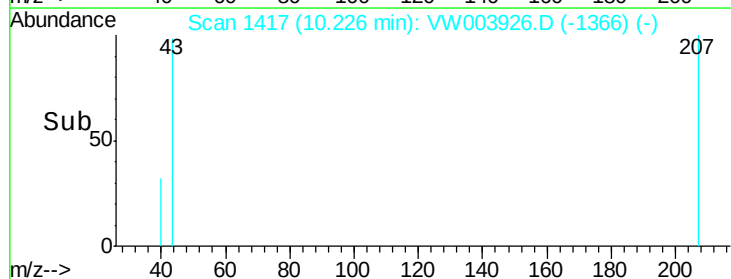
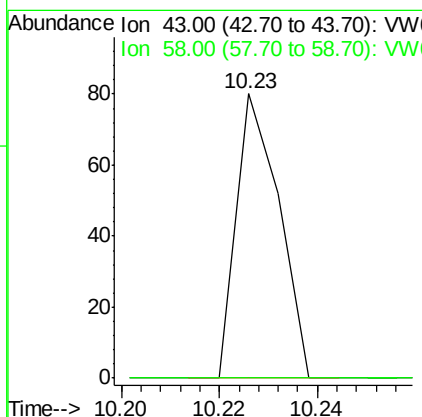
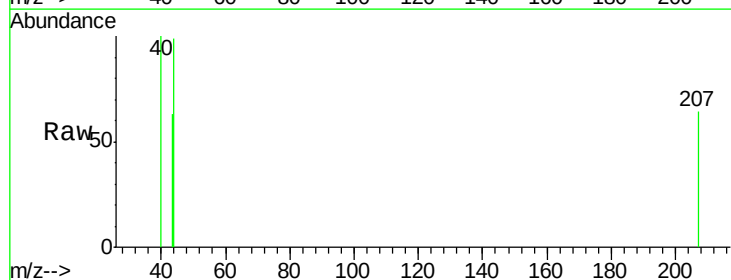
Instrument :
MSVOA_W
ClientSampled :

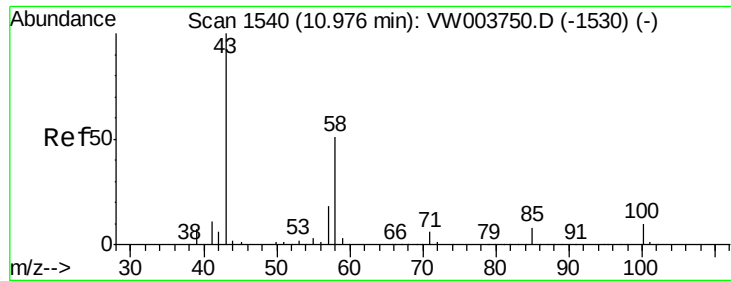
Tot Ion: 98 Resp: 14308
Ion Ratio Lower Upper
98 100
100 61.3 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.314 ug/l
RT: 10.23 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
58 0.0 29.3 43.9#





#59

2-Hexanone

Concen: 1.634 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. -0.10 min

Lab File: VW003926.D

Acq: 13 Jul 2018 20:12

Instrument :

MSVOA_W

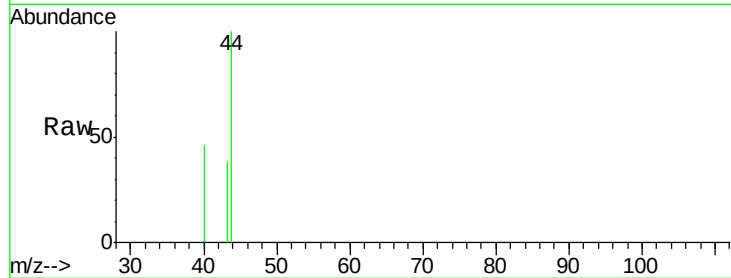
ClientSampleId :

Tot Ion: 43 Resp: 41

Ion Ratio Lower Upper

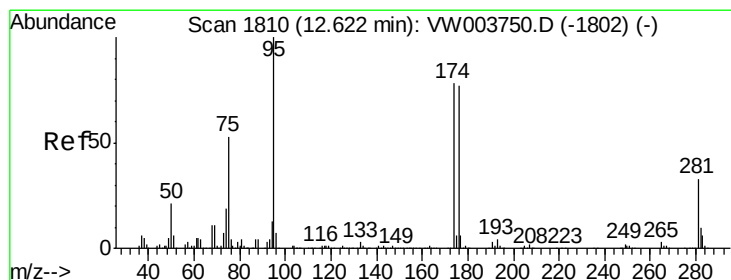
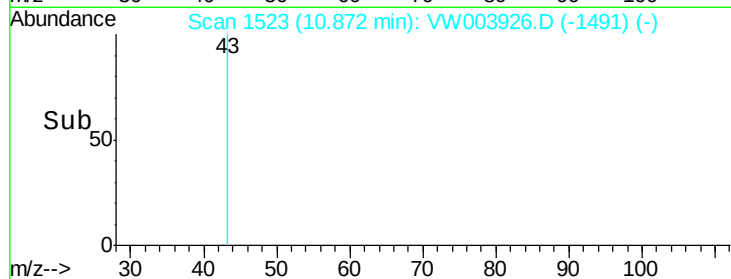
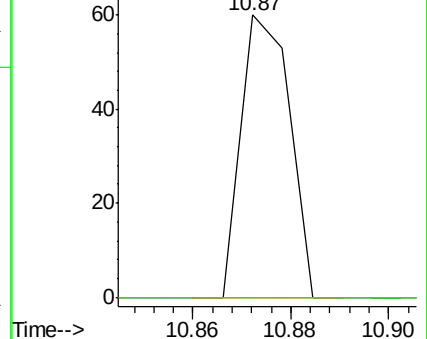
43 100

58 0.0 25.4 76.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 50.430 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003926.D

Acq: 13 Jul 2018 20:12

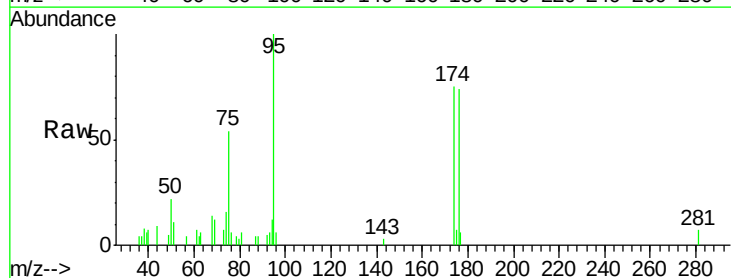
Tgt Ion: 95 Resp: 3525

Ion Ratio Lower Upper

95 100

174 87.1 0.0 163.4

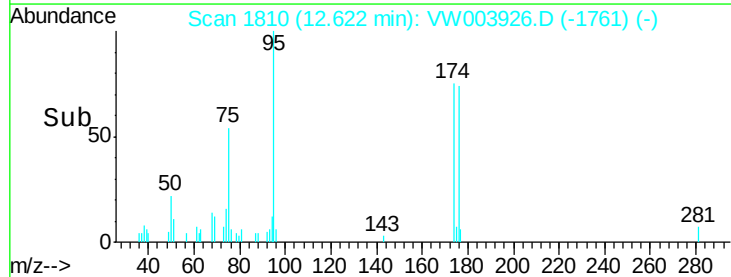
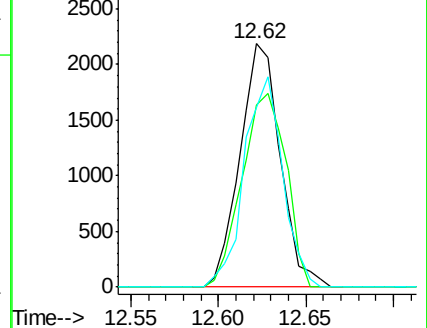
176 82.3 0.0 156.8

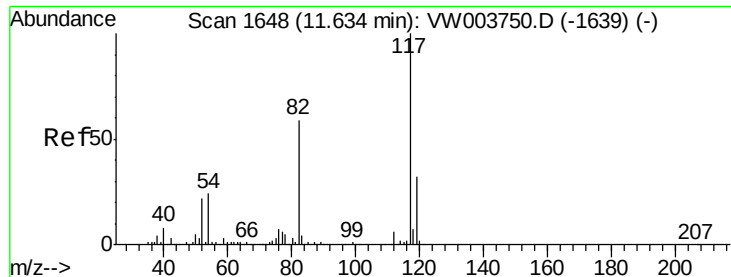


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

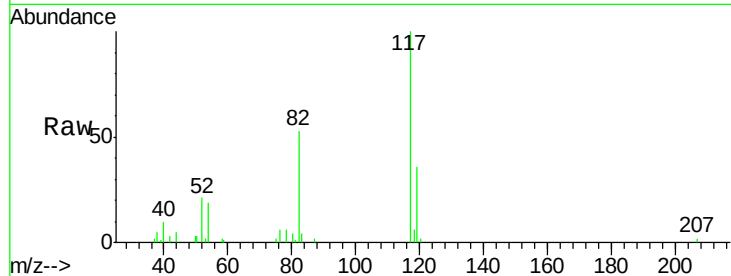




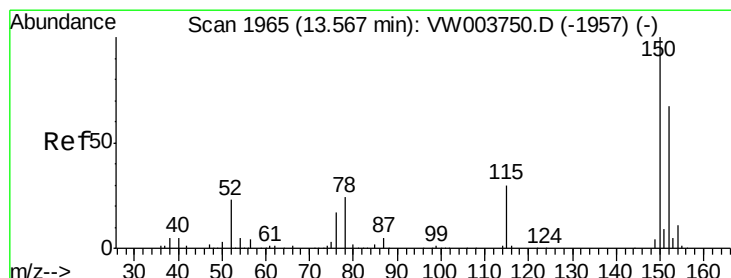
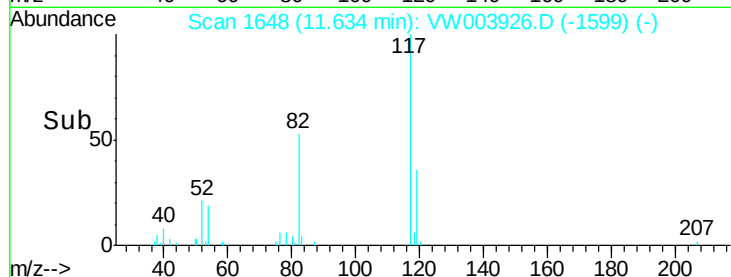
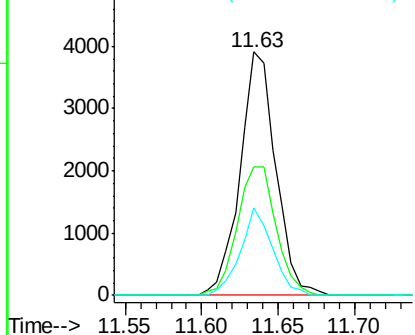
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 6334
Ion Ratio Lower Upper
117 100
82 52.8 46.9 70.3
119 36.2 25.5 38.3

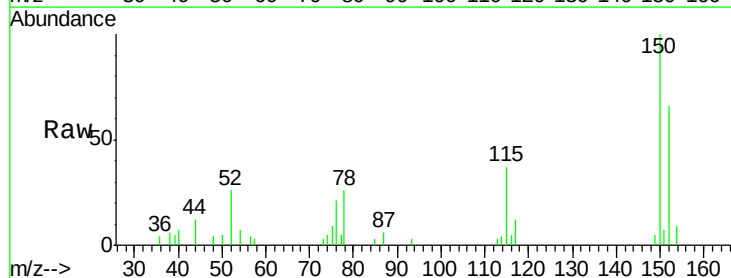


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

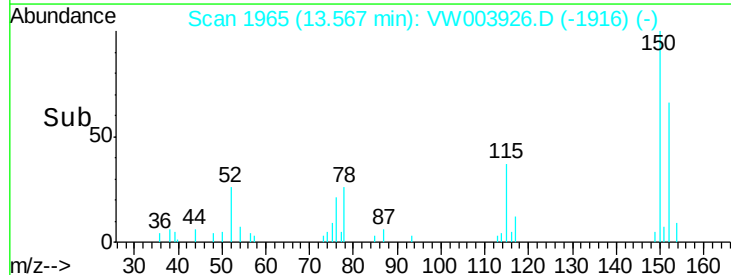
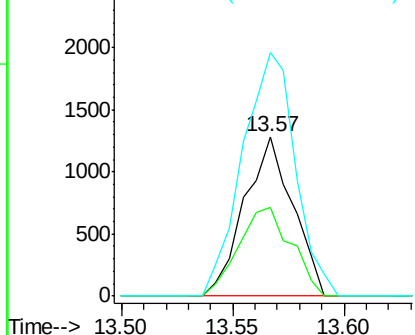


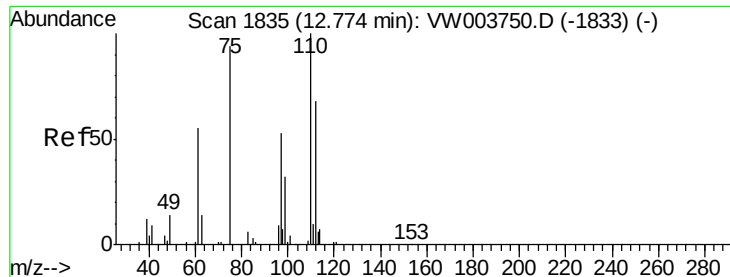
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003926.D
Acq: 13 Jul 2018 20:12

Tgt Ion:152 Resp: 1941
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.8
150 166.8 0.0 342.4



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: 98.215 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003926.D

Acq: 13 Jul 2018 20:12

Instrument :

MSVOA_W

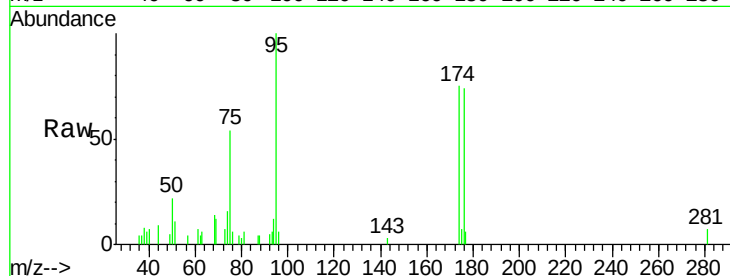
ClientSampled :

Tot Ion: 75 Resp: 1872

Ion Ratio Lower Upper

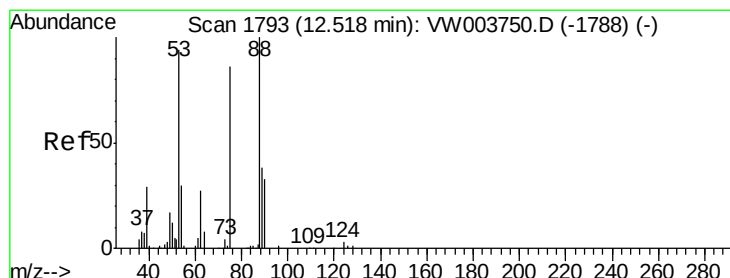
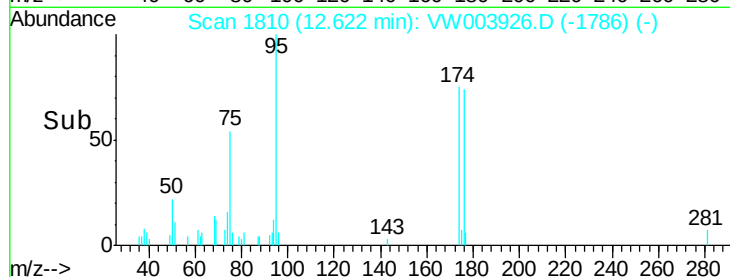
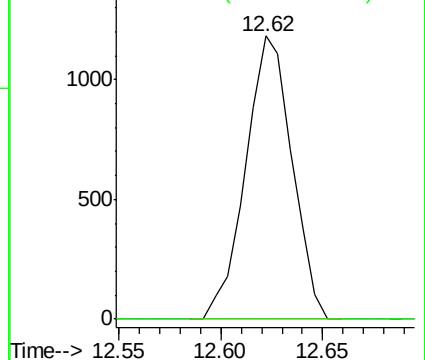
75 100

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: 240.256 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003926.D

Acq: 13 Jul 2018 20:12

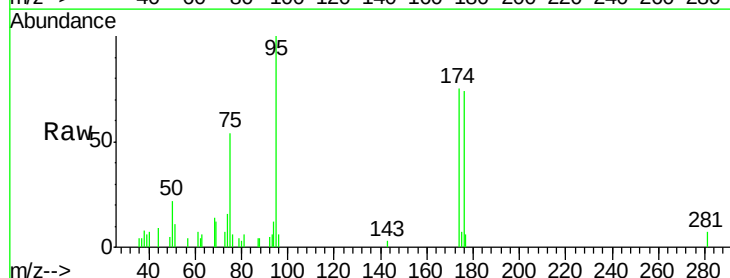
Tgt Ion: 75 Resp: 1872

Ion Ratio Lower Upper

75 100

53 0.0 85.0 127.6#

89 0.0 36.3 54.5#



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

