

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003719.D
 Acq On : 05 Jul 2018 14:25
 Operator : SY/AP
 Sample : J3774-09RE
 Misc : 5.48G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:35:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	157593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	255350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	188210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	51739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	86850	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
35) Dibromofluoromethane	7.88	113	77241	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
50) Toluene-d8	10.33	98	218196	33.37	ug/l	0.00
Spiked Amount			Recovery	=	66.74%	
62) 4-Bromofluorobenzene	12.62	95	48707	20.74	ug/l	0.00
Spiked Amount			Recovery	=	41.48%	

Target Compounds

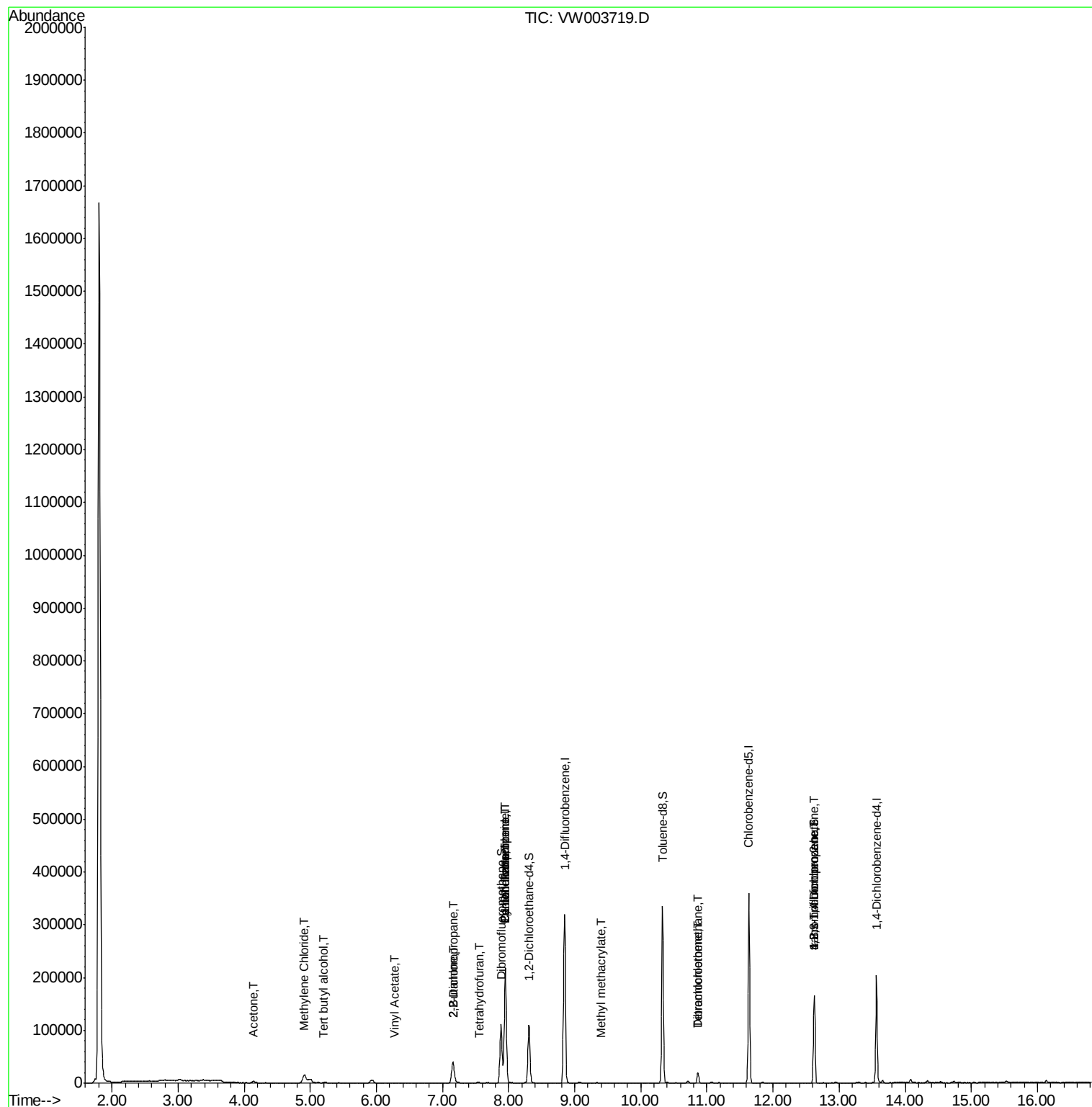
					Qvalue	
11) Tert butyl alcohol	5.20	59	346	2.943	ug/l #	71
16) Acetone	4.14	43	4772	10.640	ug/l #	80
20) Methylene Chloride	4.91	84	12825	4.423	ug/l	97
23) Vinyl Acetate	6.27	43	20	13.869	ug/l #	74
25) 2-Butanone	7.17	43	2780	4.841	ug/l #	74
26) 2,2-Dichloropropane	7.16	77	2902	1.500	ug/l #	52
29) Tetrahydrofuran	7.55	42	643	1.868	ug/l #	76
31) Cyclohexane	7.95	56	4277	1.489	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	13500	5.267	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16457	6.749	ug/l #	18
48) Methyl methacrylate	9.40	41	38	3.393	ug/l #	1
60) Dibromochloromethane	10.86	129	3767	2.356	ug/l #	10
64) Tetrachloroethene	10.87	164	3964	3.116	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	26577	57.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26577	121.053	ug/l #	9

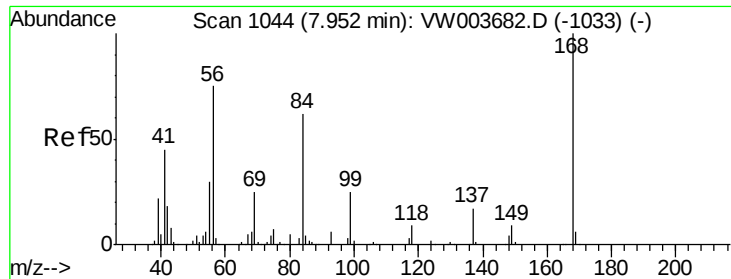
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003719.D

Acq: 05 Jul 2018 14:25

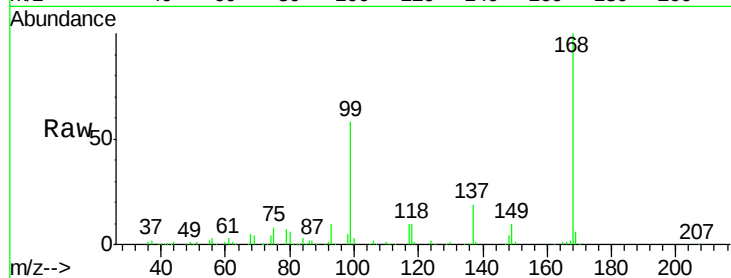
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 157593

Ion Ratio Lower Upper

168 100

99 58.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

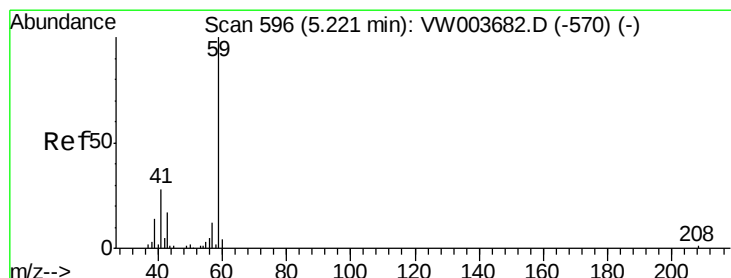
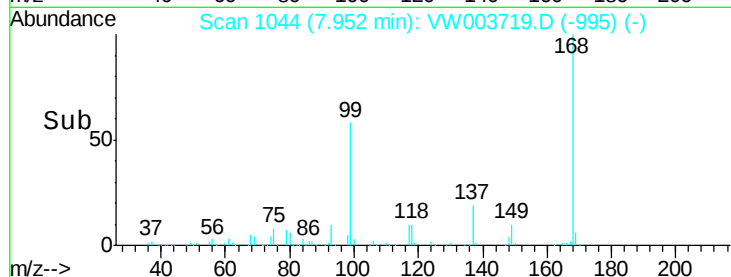
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.943 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.02 min

Lab File: VW003719.D

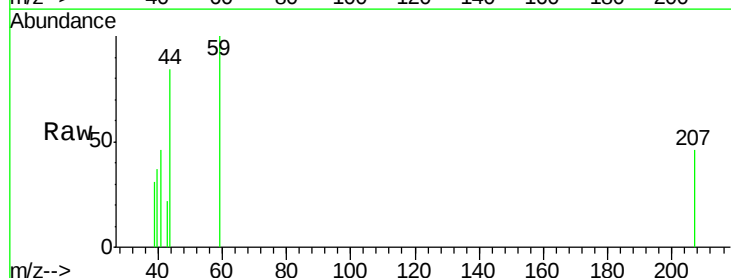
Acq: 05 Jul 2018 14:25

Tgt Ion: 59 Resp: 346

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

250

200

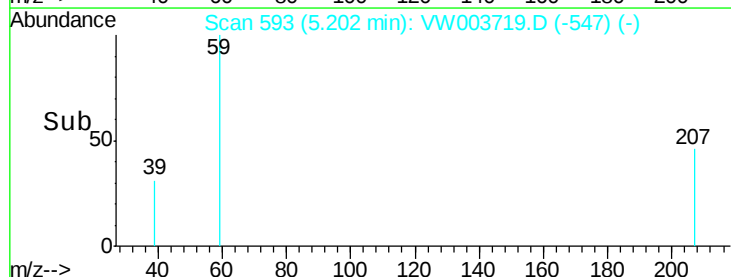
150

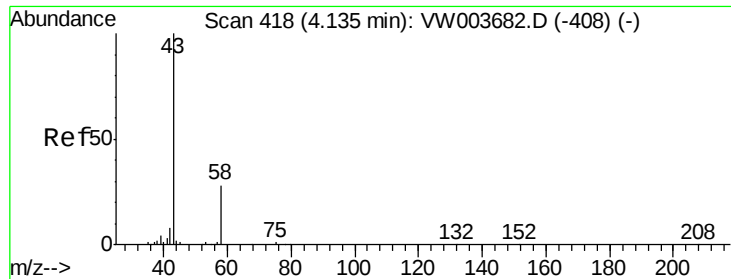
100

50

0

Time-->





#16

Acetone

Concen: 10.640 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003719.D

Acq: 05 Jul 2018 14:25

Instrument :

MSVOA_W

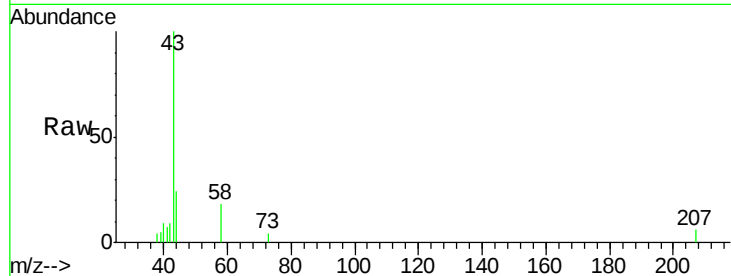
ClientSampled :

Tot Ion: 43 Resp: 4772

Ion Ratio Lower Upper

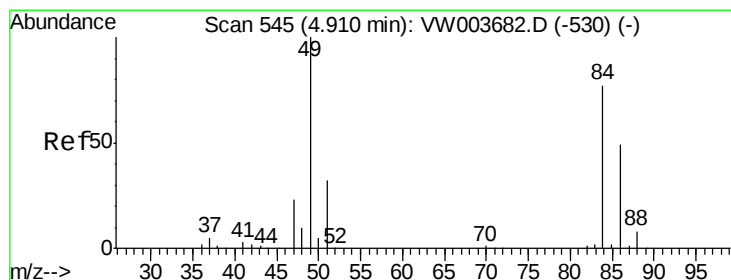
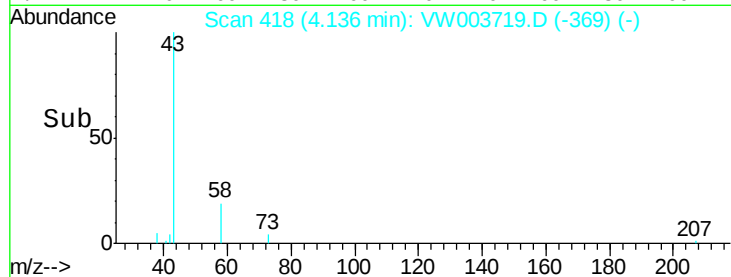
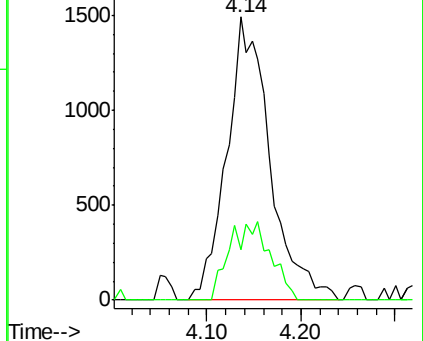
43 100

58 17.6 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 4.423 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003719.D

Acq: 05 Jul 2018 14:25

Tgt Ion: 84 Resp: 12825

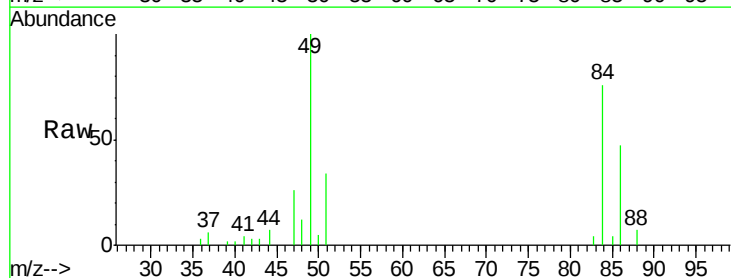
Ion Ratio Lower Upper

84 100

49 131.9 104.6 156.8

51 45.4 33.2 49.8

86 61.6 51.7 77.5

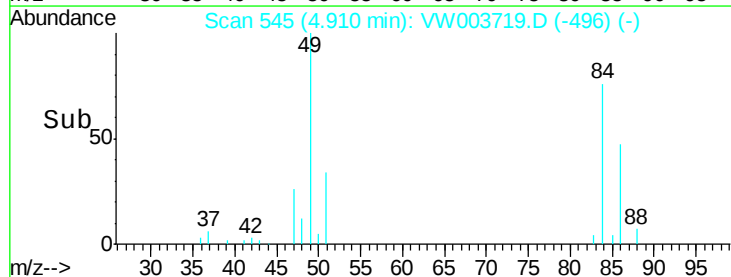
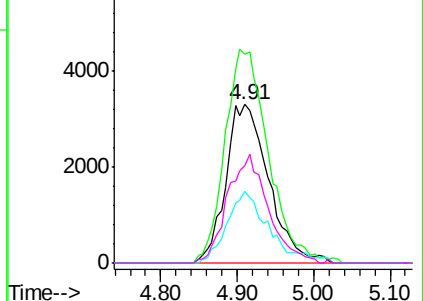


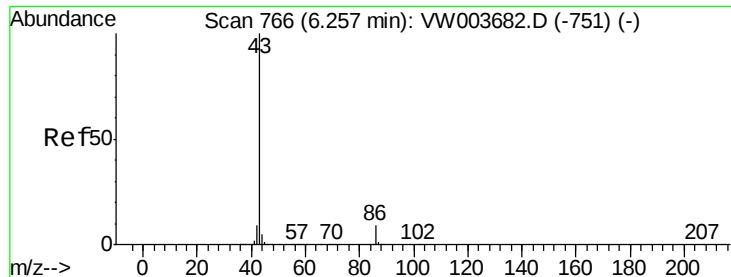
Abundance Ion 83.90 (83.60 to 84.60): VW

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

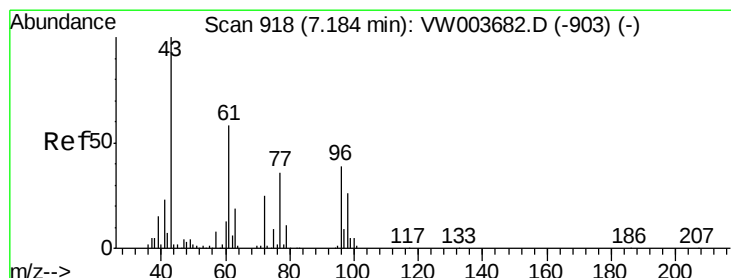
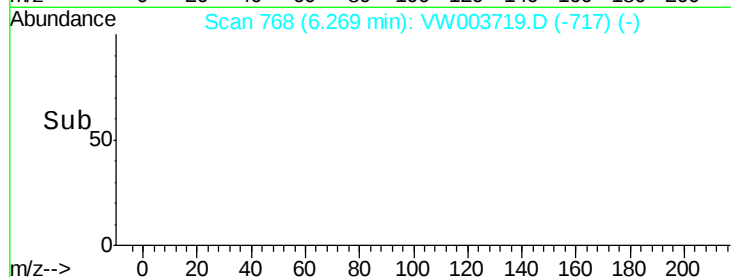
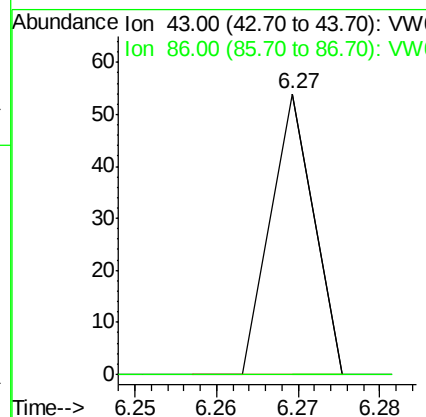
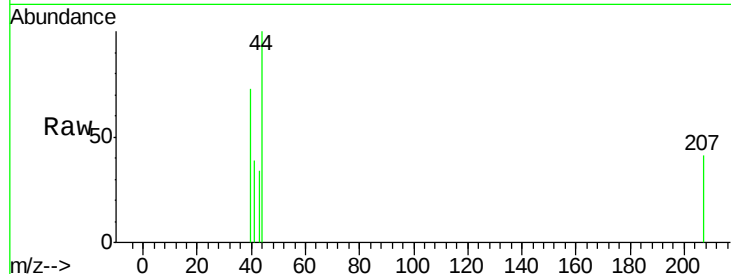




#23
 Vinyl Acetate
 Concen: 13.869 ug/l
 RT: 6.27 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

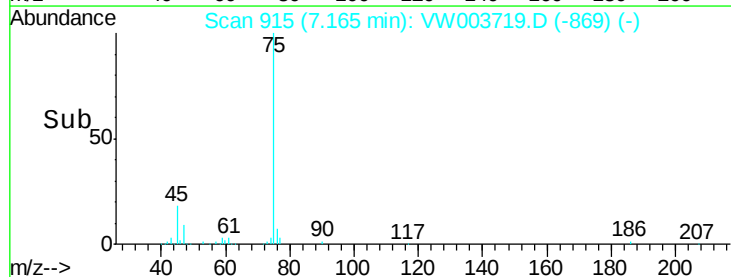
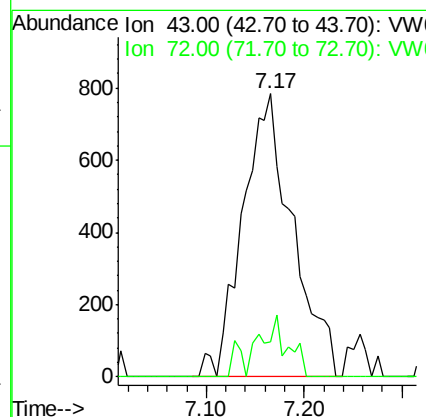
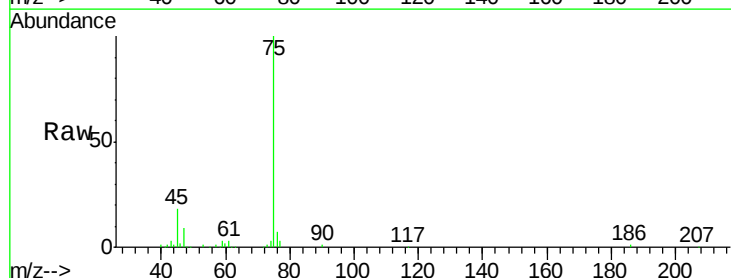
Instrument :
 MSVOA_W
 ClientSampled :

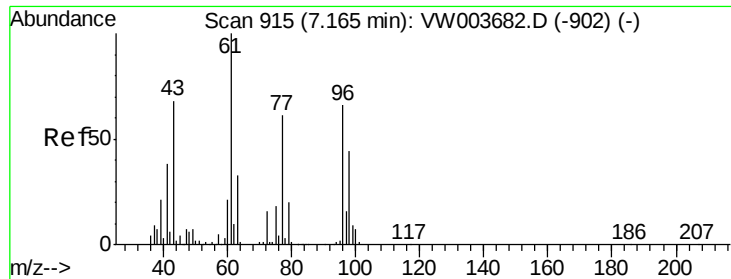
Tot Ion: 43 Resp: 20
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 4.841 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

Tgt Ion: 43 Resp: 2780
 Ion Ratio Lower Upper
 43 100
 72 12.1 20.2 30.4#

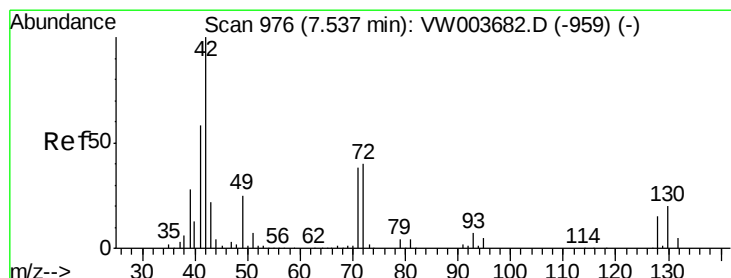
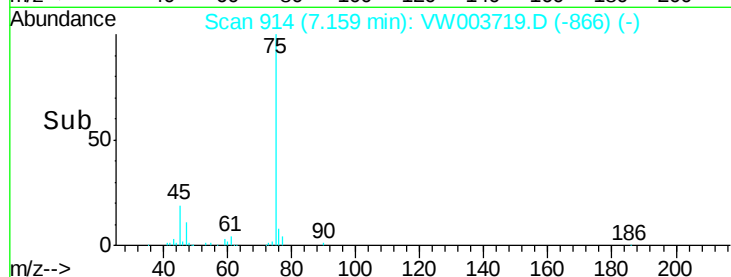
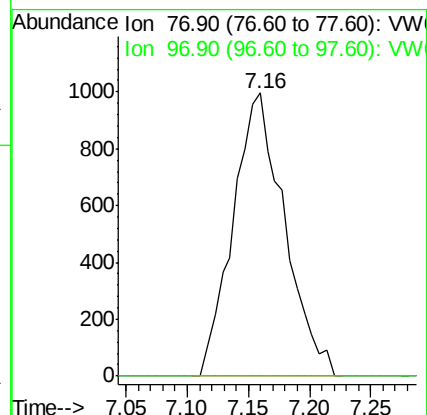
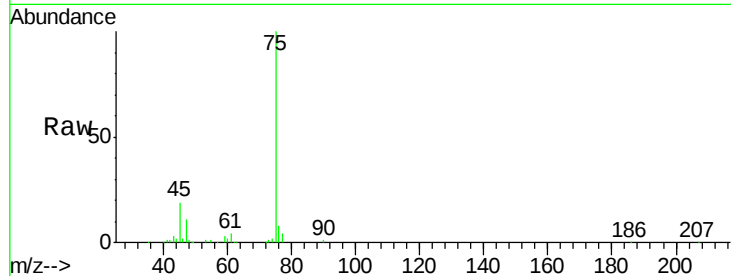




#26
 2,2-Dichloropropane
 Concen: 1.500 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

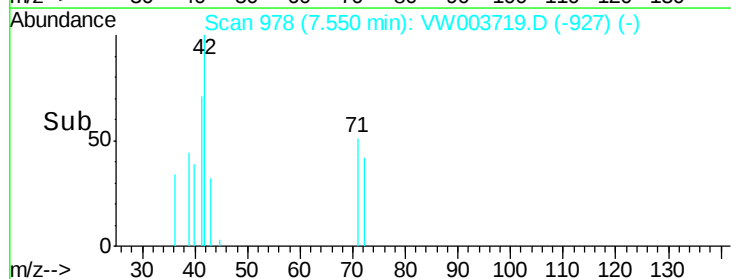
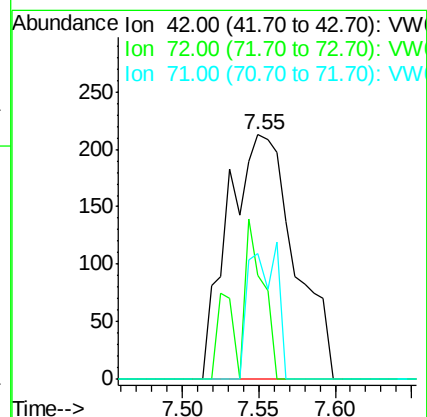
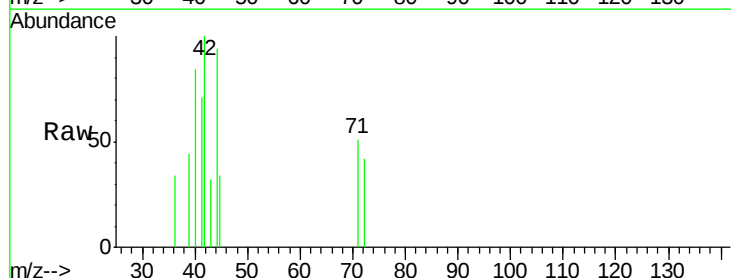
Instrument :
 MSVOA_W
 ClientSampled :

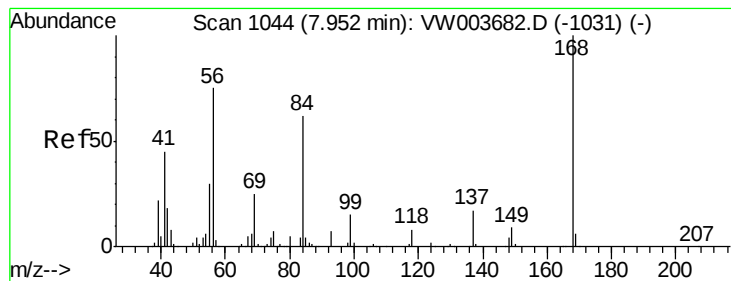
Tot Ion: 77 Resp: 2902
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.1#



#29
 Tetrahydrofuran
 Concen: 1.868 ug/l
 RT: 7.55 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

Tgt Ion: 42 Resp: 643
 Ion Ratio Lower Upper
 42 100
 72 25.7 32.0 48.0#
 71 23.3 30.2 45.2#





#31

Cyclohexane

Concen: 1.489 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003719.D

Acq: 05 Jul 2018 14:25

Instrument :
MSVOA_W
ClientSampled :

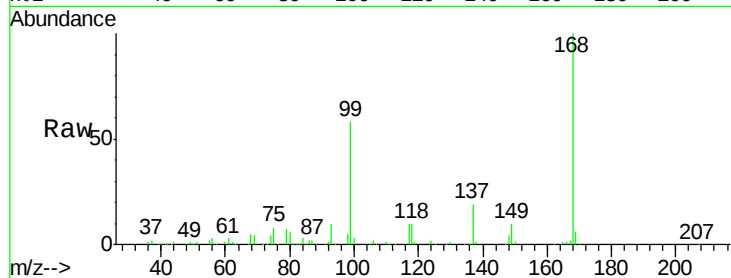
Tot Ion: 56 Resp: 4277

Ion Ratio Lower Upper

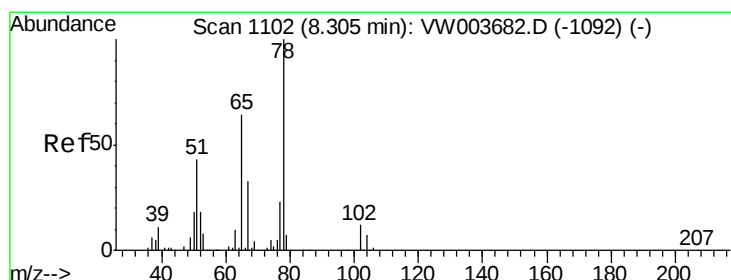
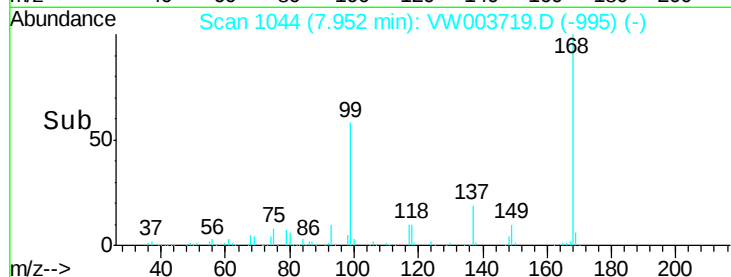
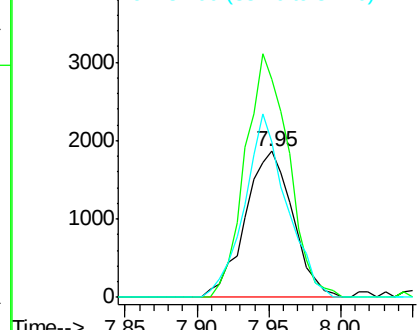
56 100

69 148.8 27.0 40.4#

84 106.5 65.4 98.0#



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: 46.225 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003719.D

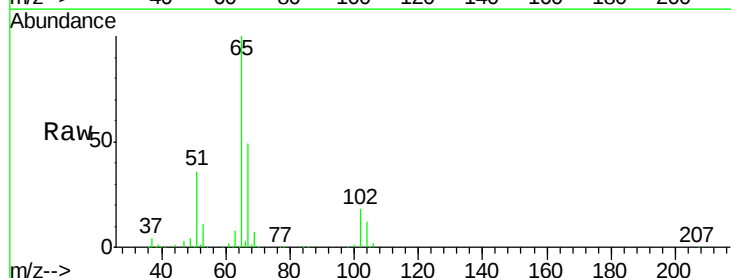
Acq: 05 Jul 2018 14:25

Tgt Ion: 65 Resp: 86850

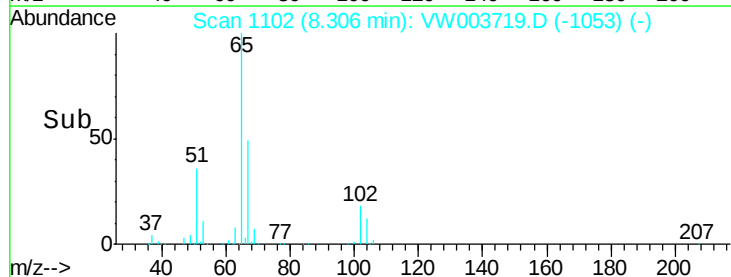
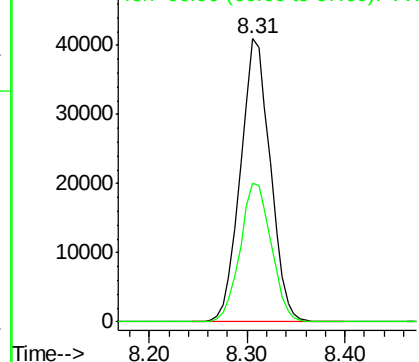
Ion Ratio Lower Upper

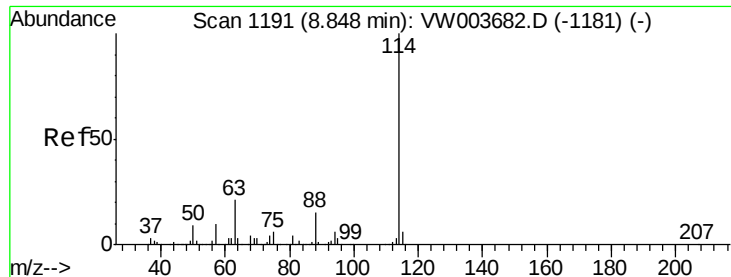
65 100

67 50.9 0.0 104.0



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

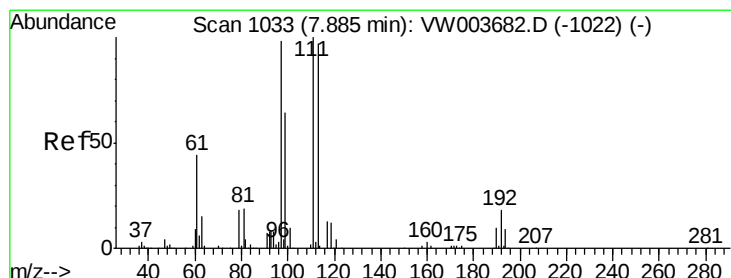
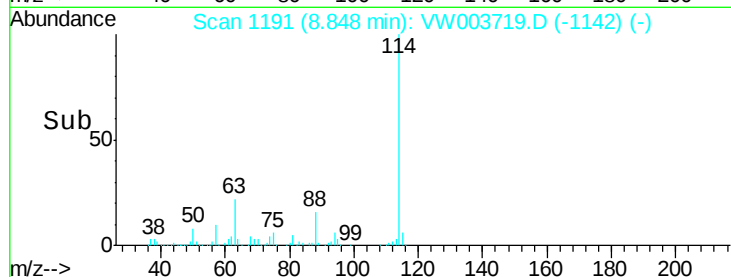
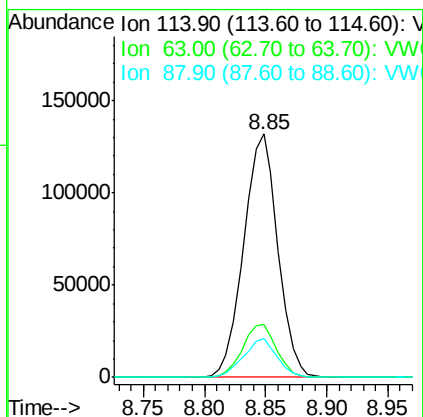
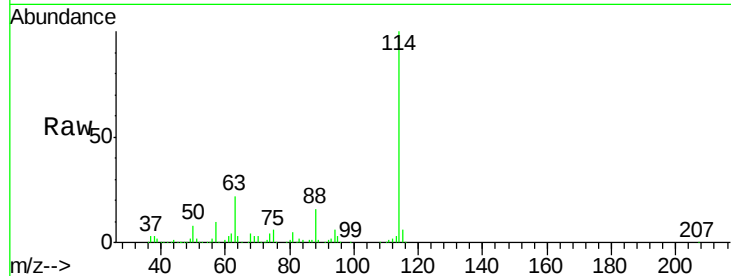




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

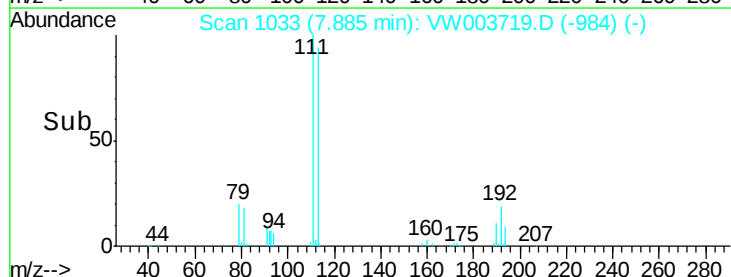
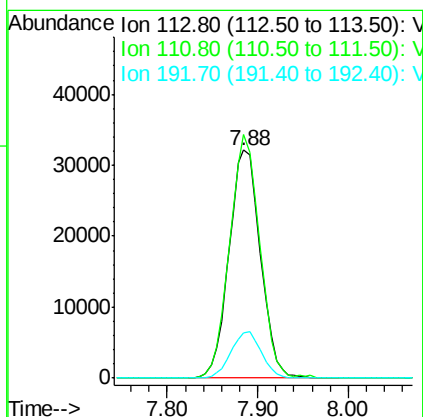
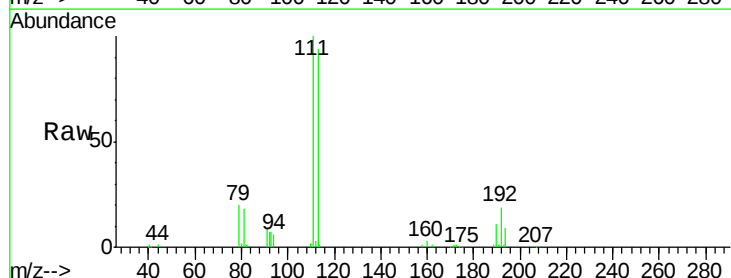
Instrument :
 MSVOA_W
 ClientSampleId :

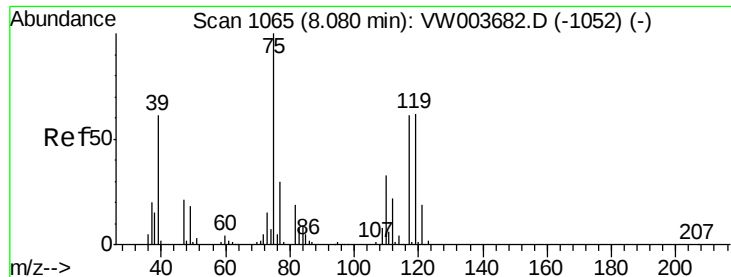
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.6
88	15.8	0.0	29.8



#35
 Dibromofluoromethane
 Concen: 46.380 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	19.9	15.8	23.6

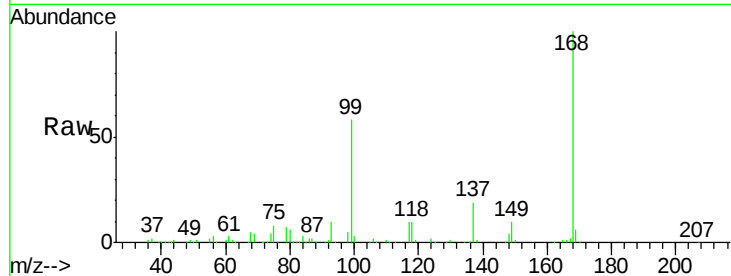




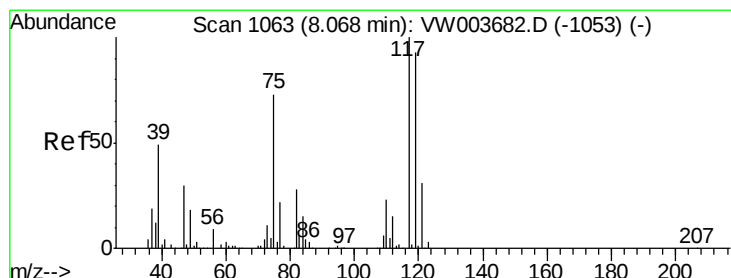
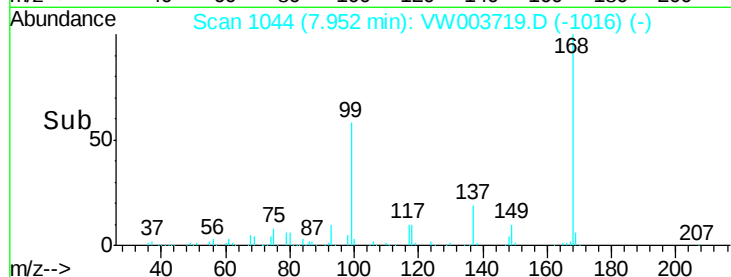
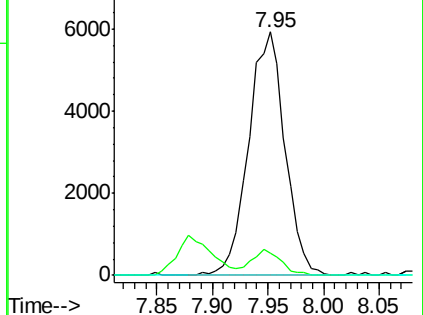
#36
 1,1-Dichloropropene
 Concen: 5.267 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	75	Resp	13500
Ion Ratio	Lower	Upper	
75	100		
110	8.7	16.9	50.6#
77	0.0	24.9	37.3#

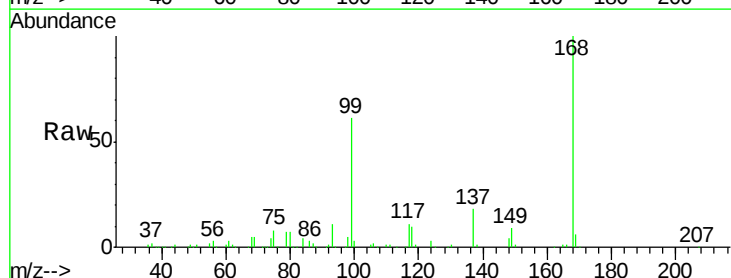


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

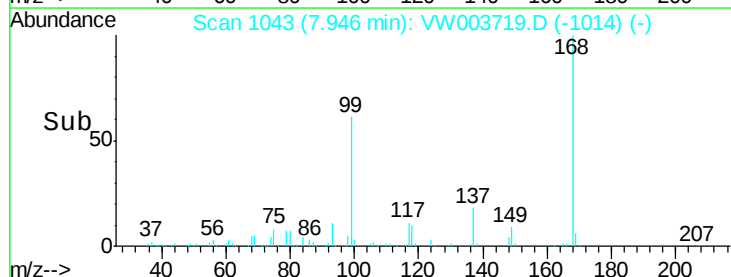
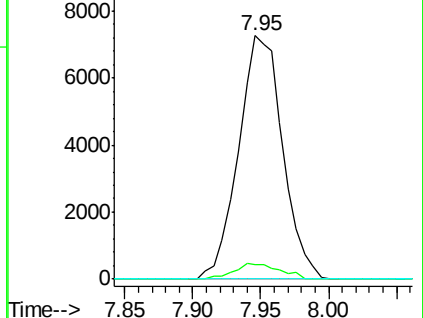


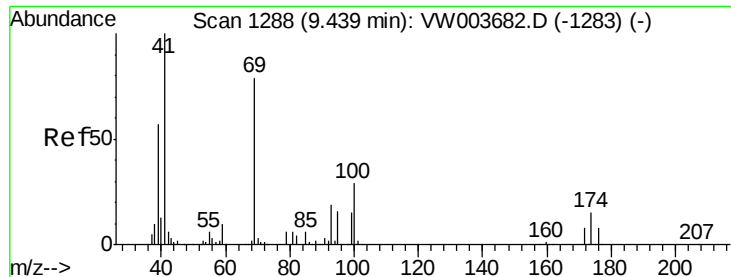
#38
 Carbon Tetrachloride
 Concen: 6.749 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003719.D
 Acq: 05 Jul 2018 14:25

Tgt Ion	117	Resp	16457
Ion Ratio	Lower	Upper	
117	100		
119	5.9	74.1	111.1#
121	0.0	25.0	37.4#



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

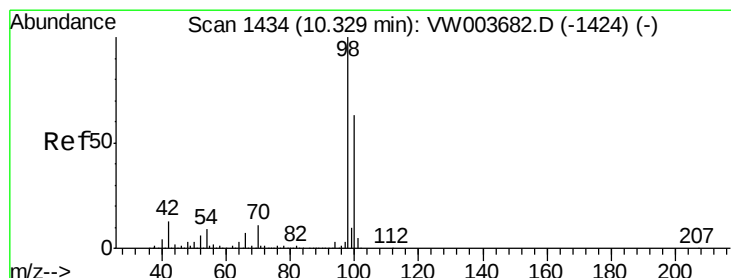
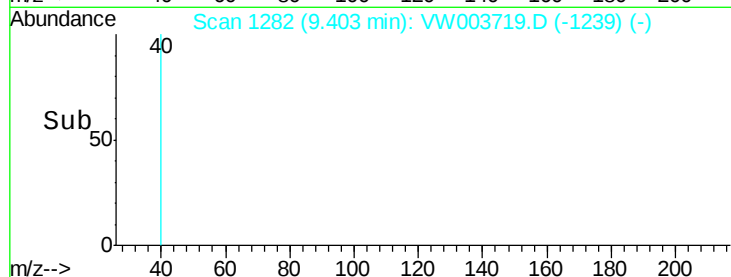
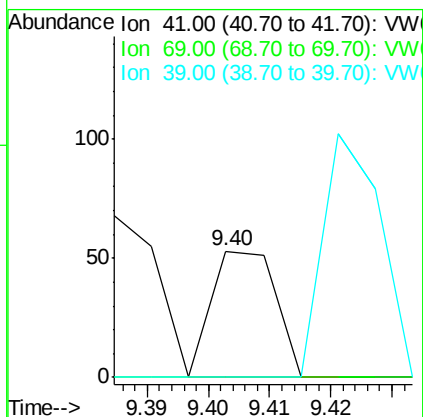
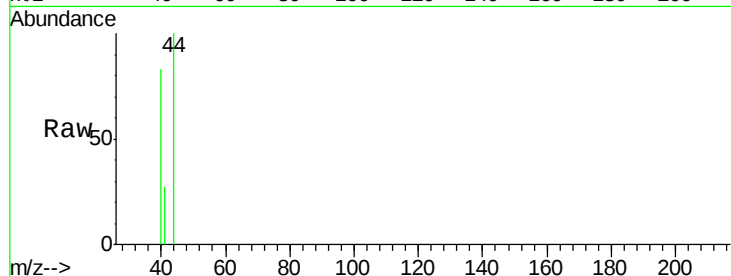




#48
Methvl methacrylate
Concen: 3.393 ug/l
RT: 9.40 min Scan# 1282
Delta R.T. -0.04 min
Lab File: VW003719.D
Acq: 05 Jul 2018 14:25

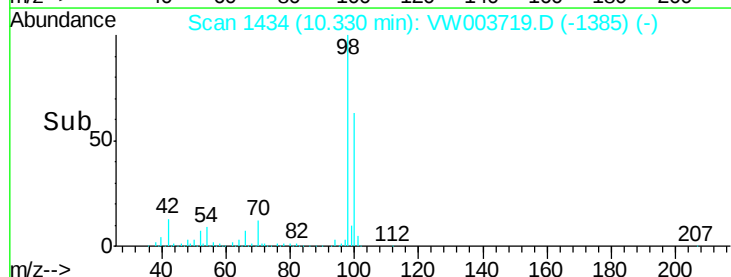
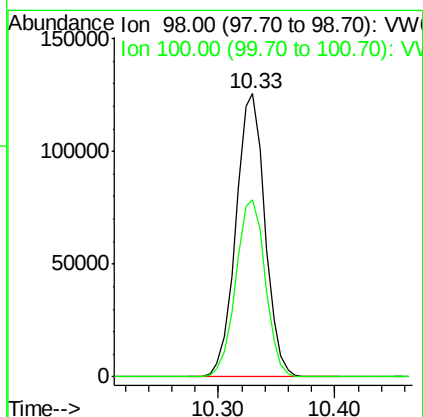
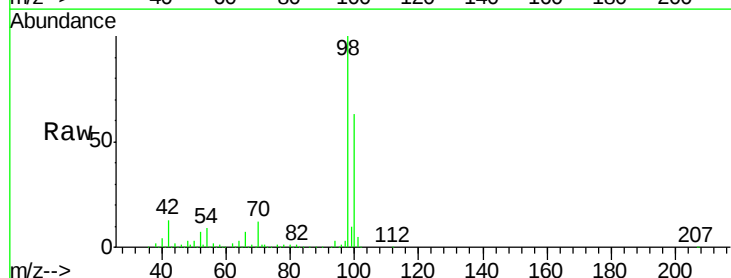
Instrument :
MSVOA_W
ClientSampleId :

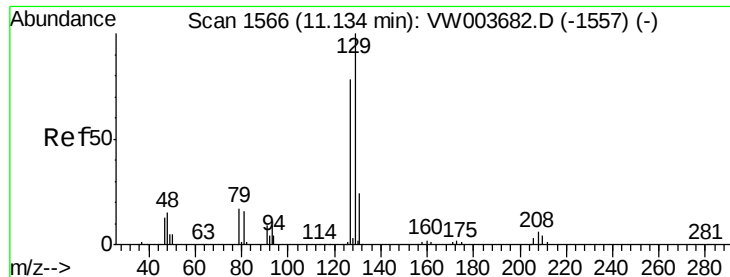
Tot Ion: 41 Resp: 38
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 173.7 50.0 75.0#



#50
Toluene-d8
Concen: 33.374 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003719.D
Acq: 05 Jul 2018 14:25

Tgt Ion: 98 Resp: 218196
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2





#60

Dibromochloromethane

Concen: 2.356 ug/l

RT: 10.86 min Scan# 1521

Delta R.T. -0.27 min

Lab File: VW003719.D

Acq: 05 Jul 2018 14:25

Instrument :

MSVOA_W

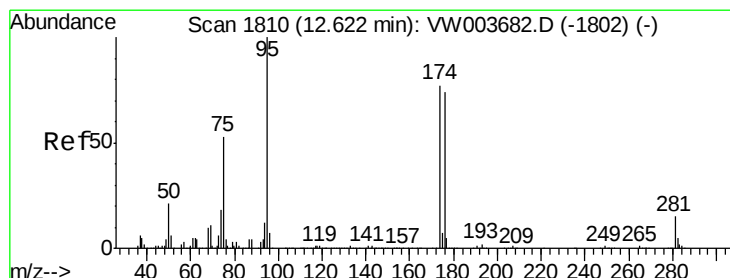
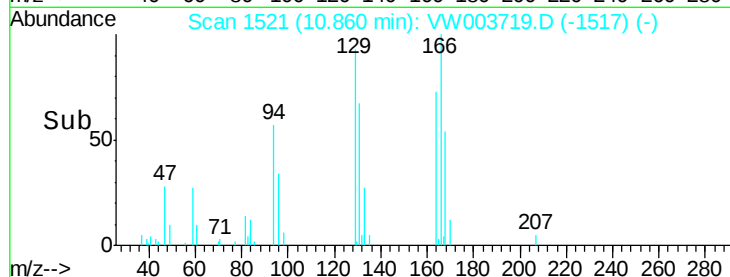
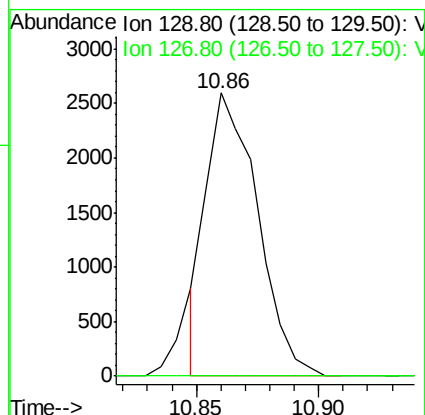
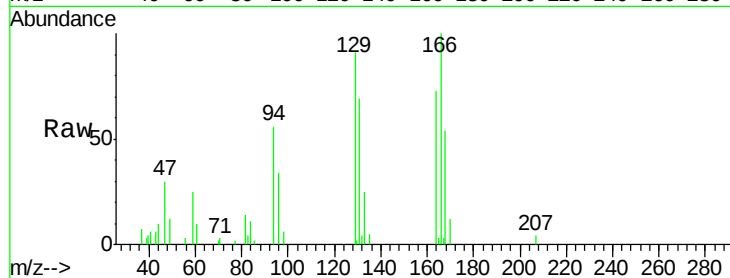
ClientSampleId :

Tot Ion:129 Resp: 3767

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



#62

4-Bromofluorobenzene

Concen: 20.737 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003719.D

Acq: 05 Jul 2018 14:25

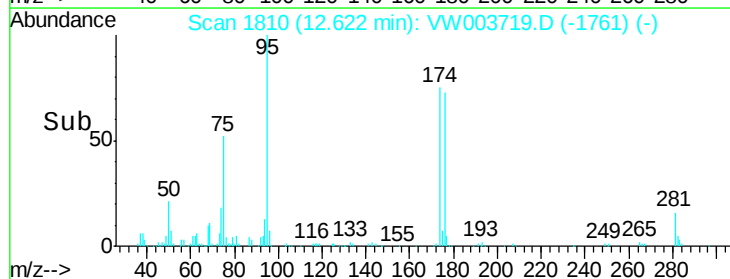
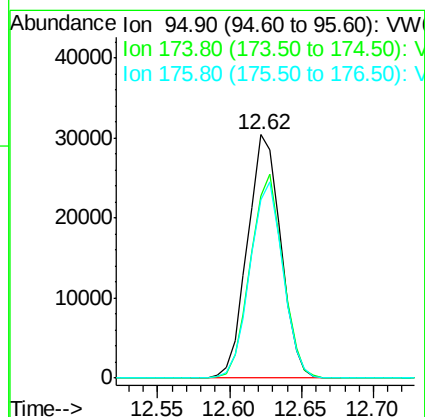
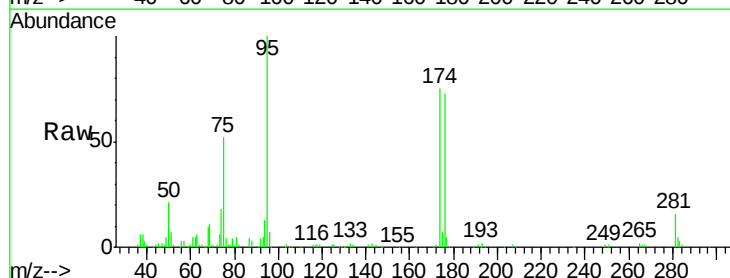
Tgt Ion: 95 Resp: 48707

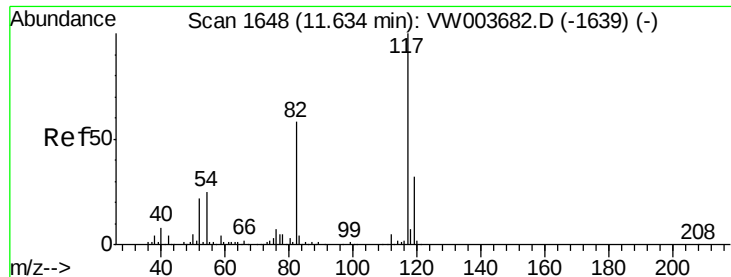
Ion Ratio Lower Upper

95 100

174 81.1 0.0 161.2

176 79.0 0.0 155.0

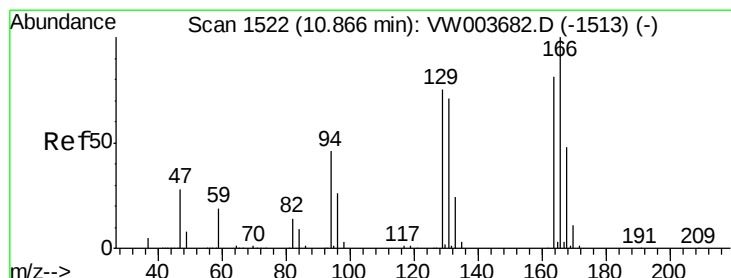
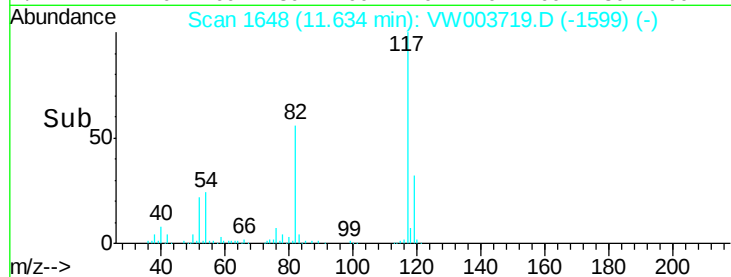
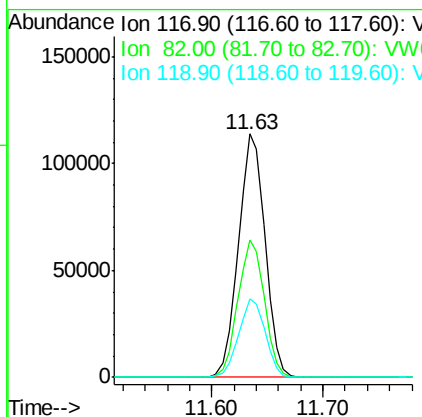
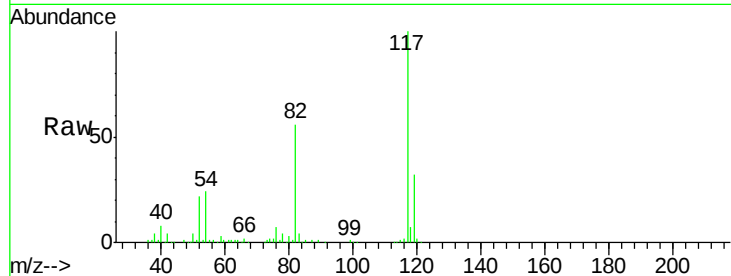




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003719.D
Acq: 05 Jul 2018 14:25

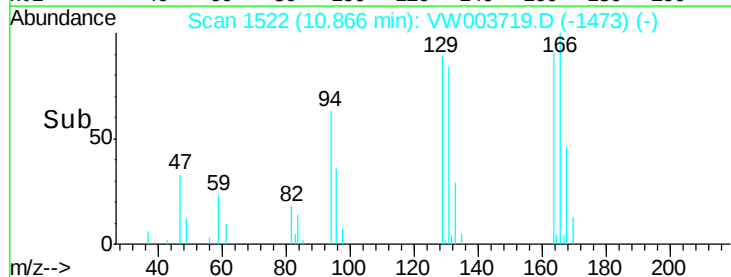
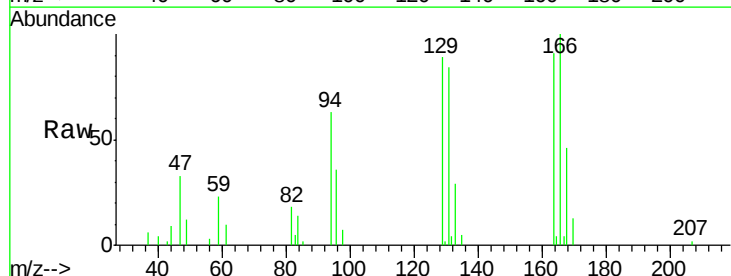
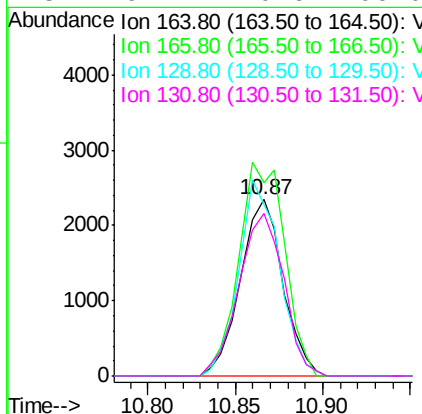
Instrument :
MSVOA_W
ClientSampleId :

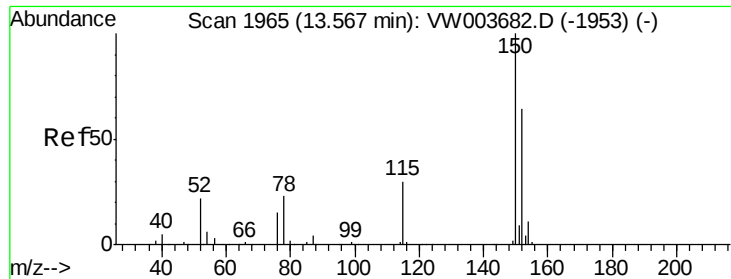
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.0	69.0
119	32.2	25.4	38.0



#64
Tetrachloroethene
Concen: 3.116 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003719.D
Acq: 05 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	109.6	99.0	148.4
129	97.1	73.8	110.6
131	92.4	70.6	106.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003719.D

Acq: 05 Jul 2018 14:25

Instrument :

MSVOA_W

ClientSampled :

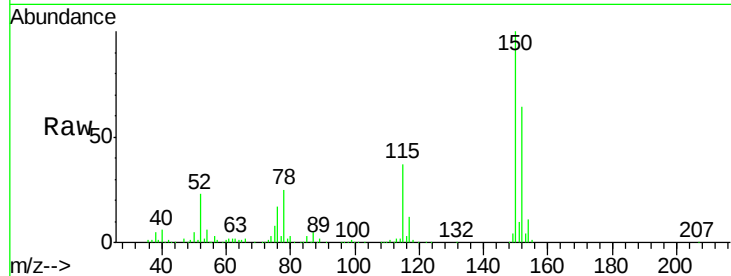
Tot Ion:152 Resp: 51739

Ion Ratio Lower Upper

152 100

115 56.7 29.3 88.0

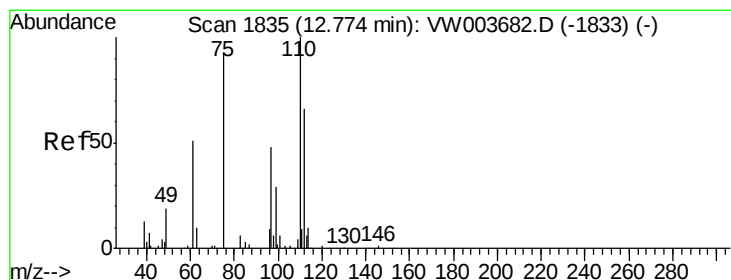
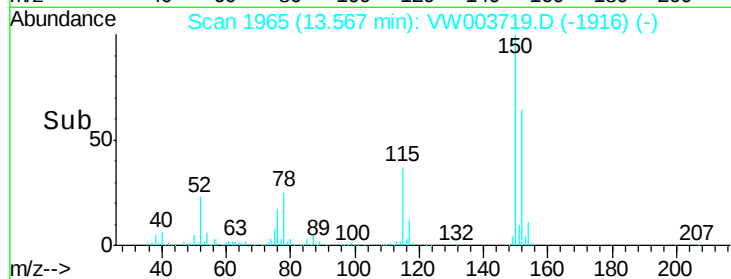
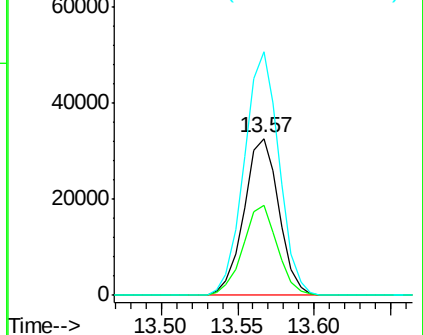
150 154.9 0.0 352.0



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: 57.130 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003719.D

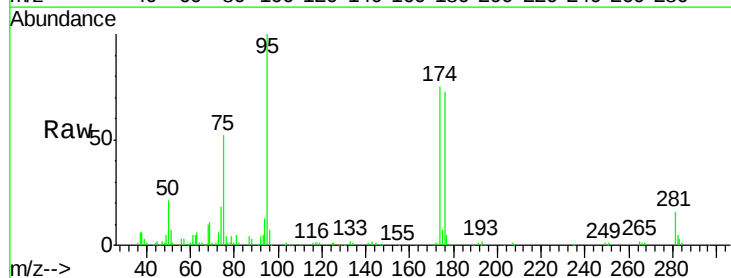
Acq: 05 Jul 2018 14:25

Tgt Ion: 75 Resp: 26577

Ion Ratio Lower Upper

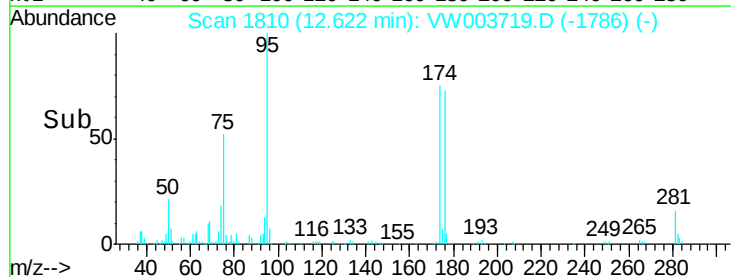
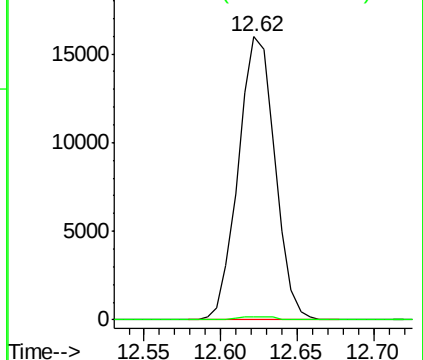
75 100

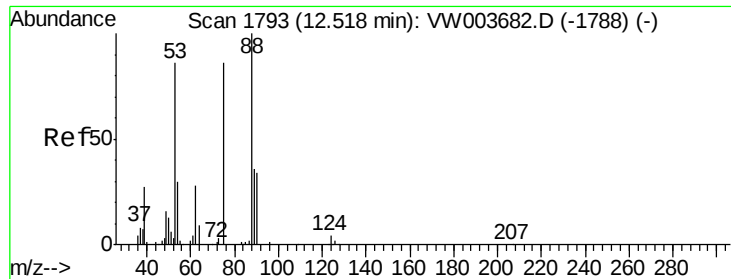
77 1.2 0.0 0.0#



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: 121.053 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003719.D

Acq: 05 Jul 2018 14:25

Instrument :

MSVOA_W

ClientSampleId :

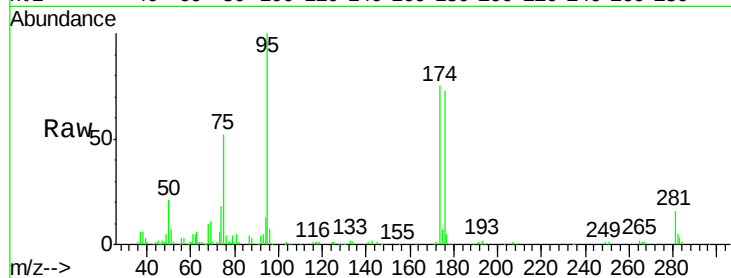
Tot Ion: 75 Resp: 26577

Ion Ratio Lower Upper

75 100

53 0.1 82.4 123.6#

89 0.0 35.9 53.9#



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

