

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
 Data File : VW005471.D
 Acq On : 18 Sep 2018 09:40
 Operator : SY/AP
 Sample : J4936-35
 Misc : 6.18G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 11:37:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	176034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	249553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	133426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	26597	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	80220	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
35) Dibromofluoromethane	7.89	113	66200	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	10.33	98	186479	29.10	ug/l	0.00
Spiked Amount			Recovery	=	58.20%	
62) 4-Bromofluorobenzene	12.63	95	31506	13.41	ug/l	0.00
Spiked Amount			Recovery	=	26.82%	

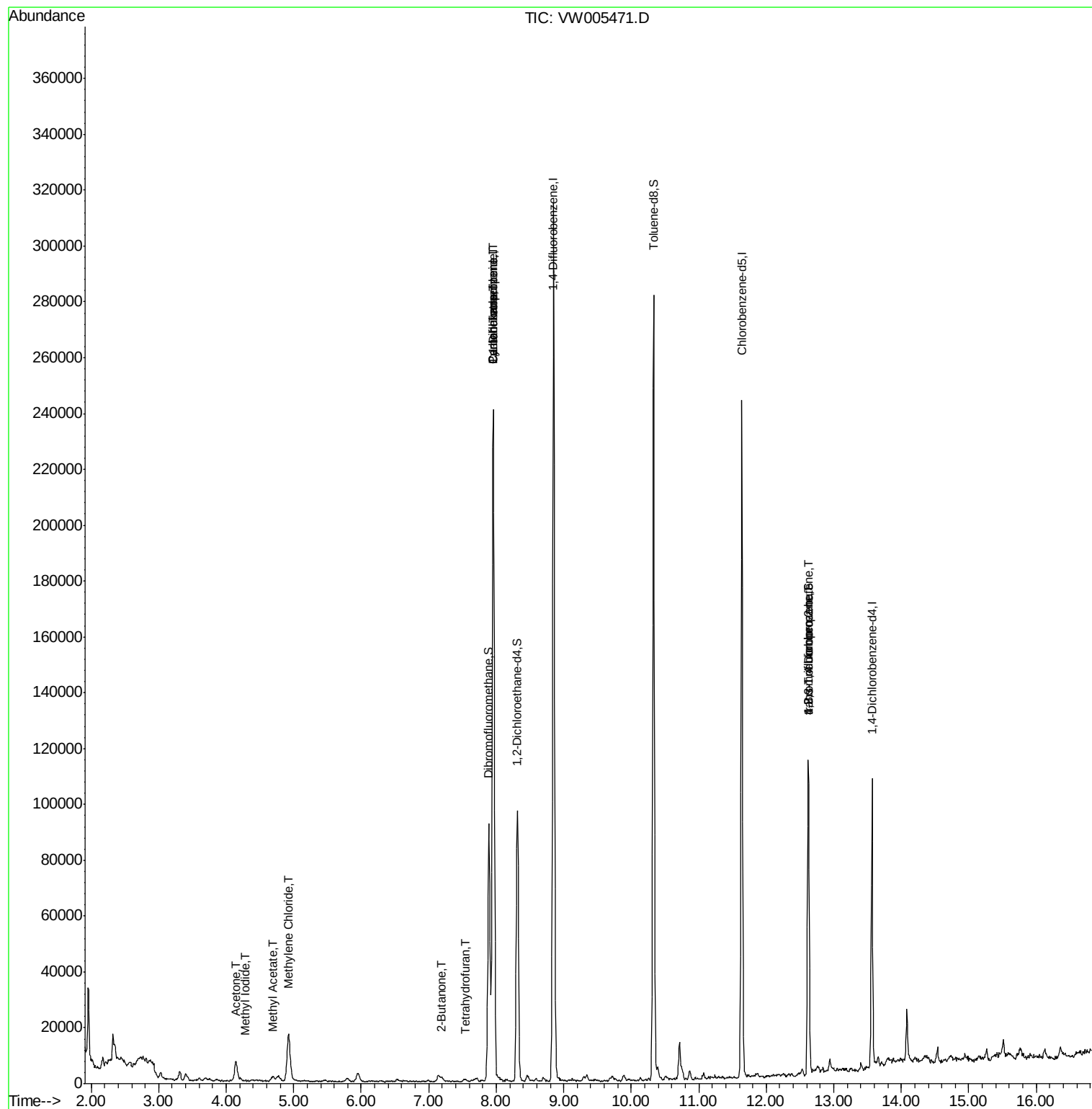
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	164	Below Cal	#	48
5) Bromomethane	2.78	94	581	Below Cal		82
10) Methyl Iodide	4.28	142	41	4.071	ug/l #	6
11) Tert butyl alcohol	5.22	59	89	Below Cal	#	71
13) Acrolein	3.74	56	19	Below Cal	#	12
16) Acetone	4.14	43	14431	39.767	ug/l	100
18) Methyl Acetate	4.68	43	3426	3.902	ug/l #	90
20) Methylene Chloride	4.92	84	12772	1.474	ug/l	97
25) 2-Butanone	7.20	43	2960	6.734	ug/l	94
29) Tetrahydrofuran	7.55	42	899	3.210	ug/l #	53
31) Cyclohexane	7.96	56	4372	1.499	ug/l #	11
36) 1,1-Dichloropropene	7.96	75	14568	6.168	ug/l #	51
38) Carbon Tetrachloride	7.96	117	17248	7.008	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	15627	71.436	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	15627	185.310	ug/l #	9

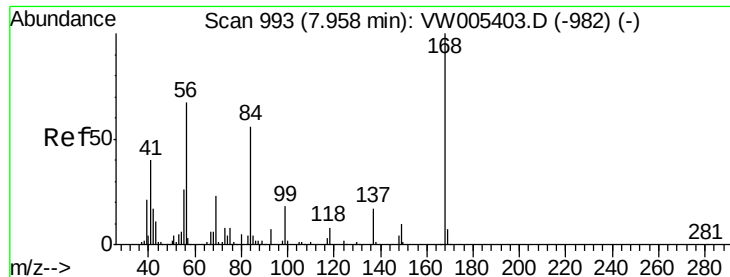
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091718\
Data File : VW005471.D
Acq On : 18 Sep 2018 09:40
Operator : SY/AP
Sample : J4936-35
Misc : 6.18G/5ML/MSVOA W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 18 11:37:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

Instrument :

MSVOA_W

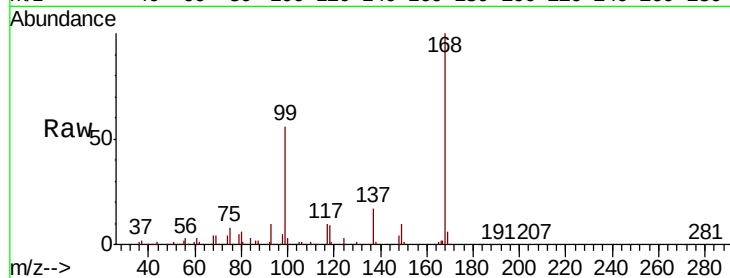
ClientSampled :

Tot Ion:168 Resp: 176034

Ion Ratio Lower Upper

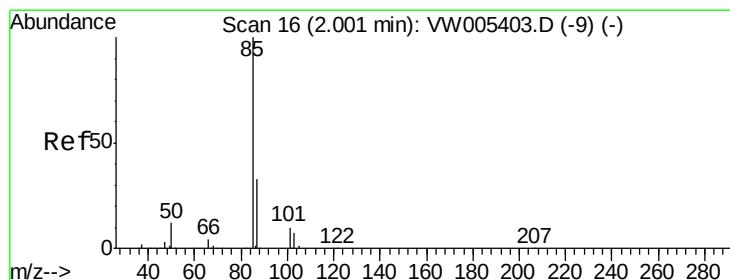
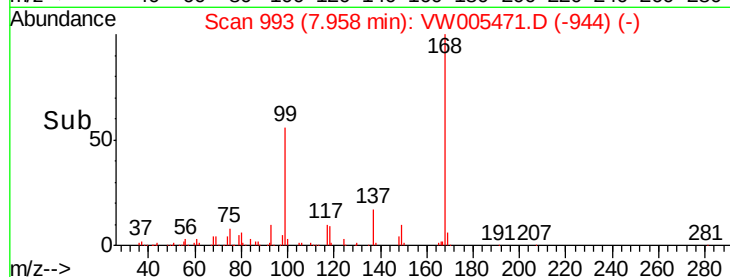
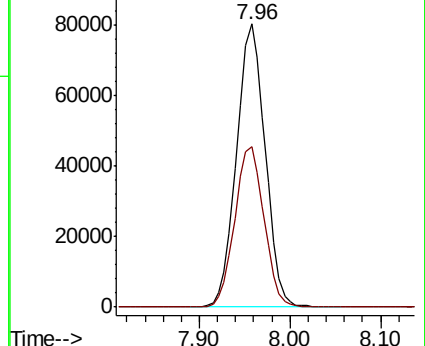
168 100

99 56.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005471.D

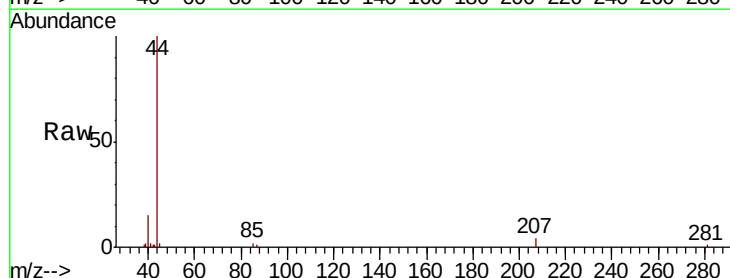
Acq: 18 Sep 2018 09:40

Tgt Ion: 85 Resp: 164

Ion Ratio Lower Upper

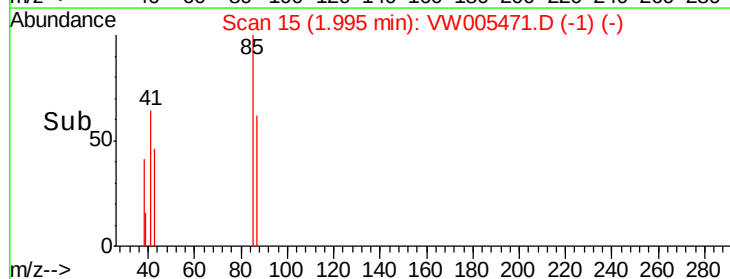
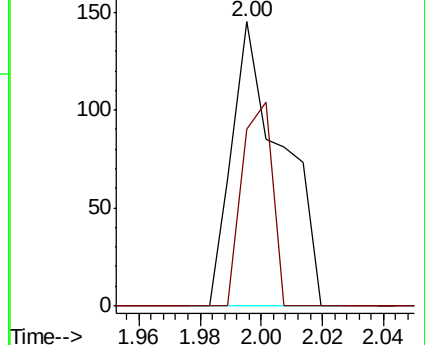
85 100

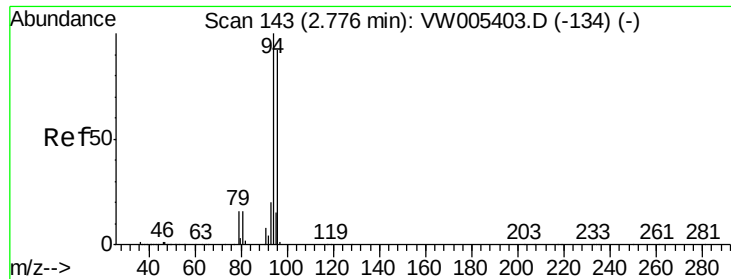
87 62.1 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

Instrument :

MSVOA_W

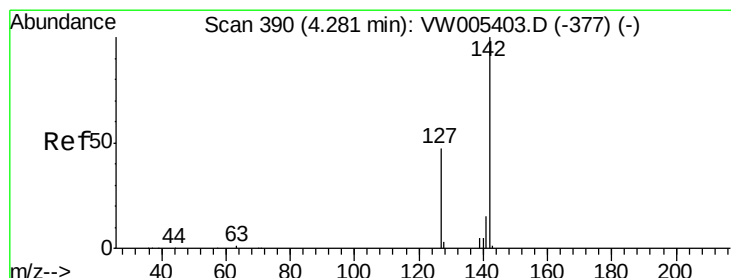
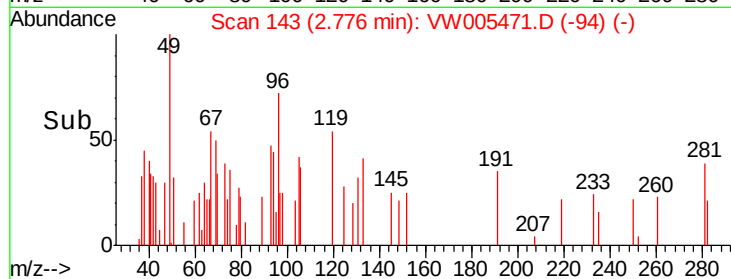
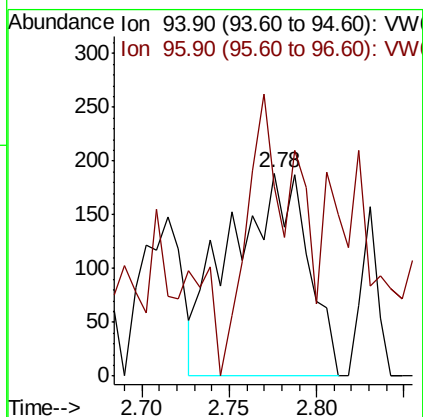
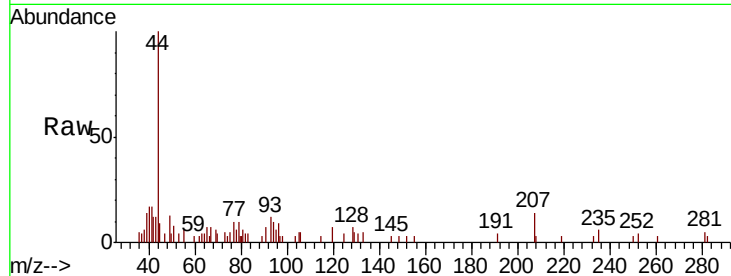
ClientSampled :

Tot Ion: 94 Resp: 581

Ion Ratio Lower Upper

94 100

96 74.6 73.7 110.5



#10

Methyl Iodide

Concen: 4.071 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

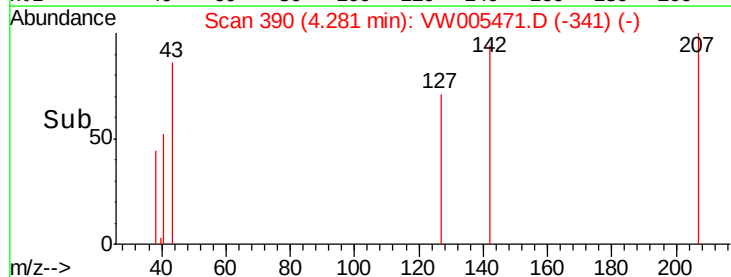
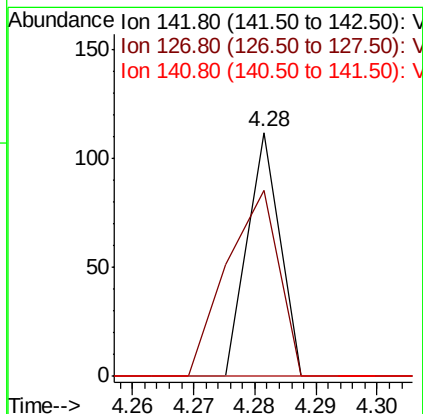
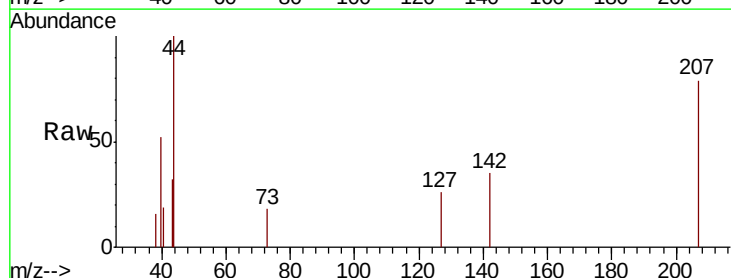
Tgt Ion: 142 Resp: 41

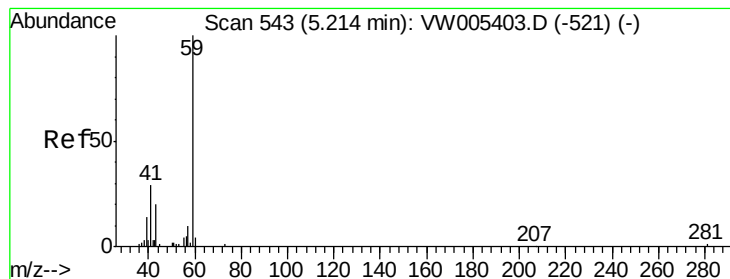
Ion Ratio Lower Upper

142 100

127 122.0 37.5 56.3#

141 0.0 12.4 18.6#



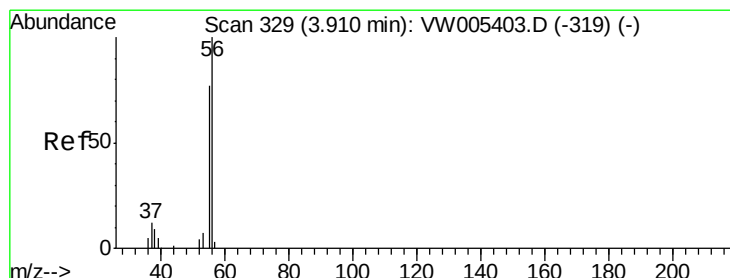
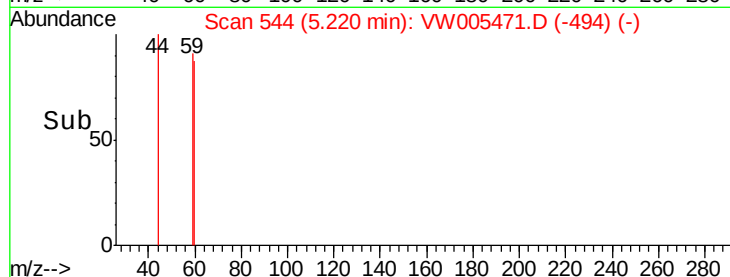
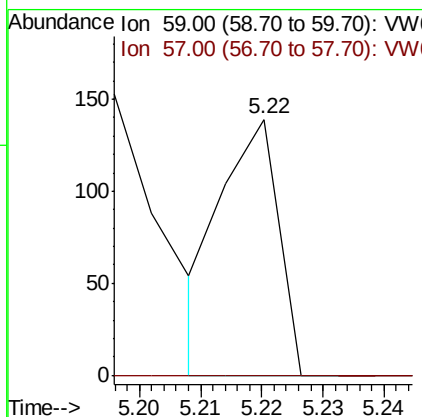
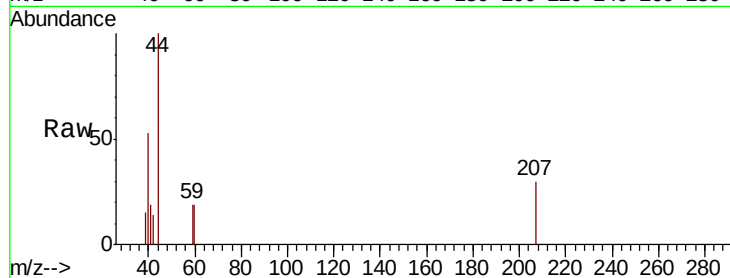


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 544
Delta R.T. 0.01 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

Instrument :
MSVOA_W
ClientSampled :

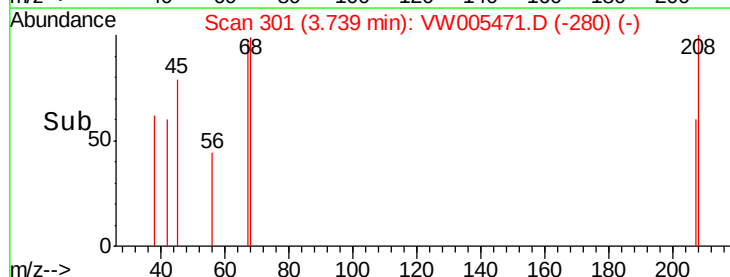
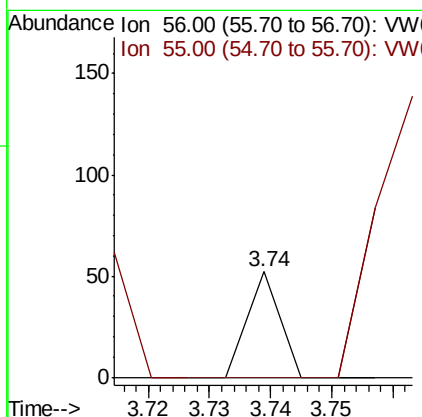
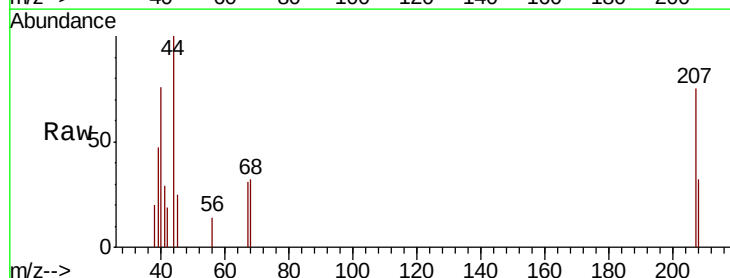
Tot Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

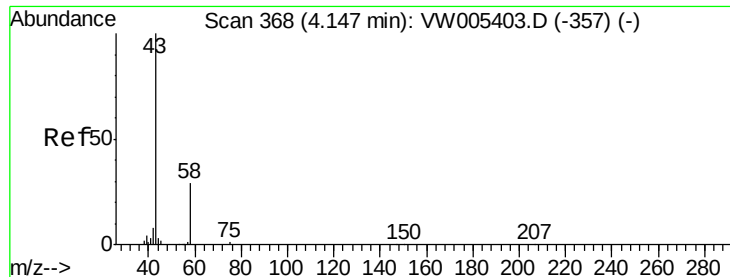


#13

Acrolein
Concen: Below Cal
RT: 3.74 min Scan# 301
Delta R.T. -0.17 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 59.8 89.8#





#16

Acetone

Concen: 39.767 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

Instrument :

MSVOA_W

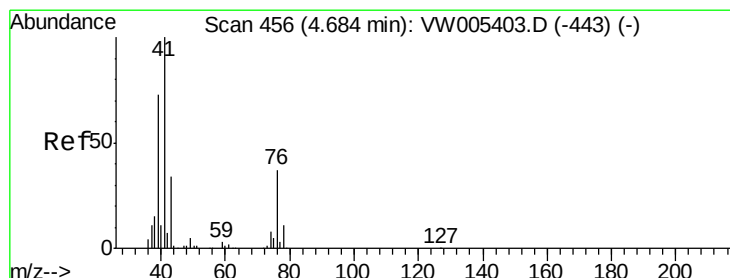
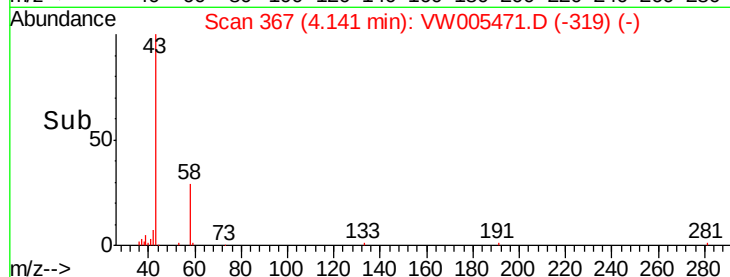
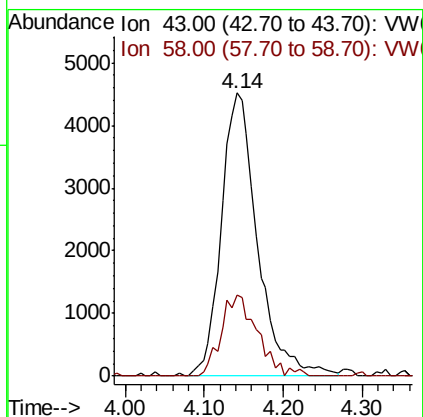
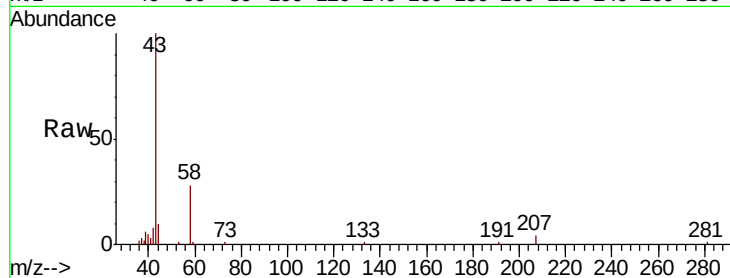
ClientSampled :

Tot Ion: 43 Resp: 14431

Ion Ratio Lower Upper

43 100

58 28.5 22.8 34.2



#18

Methyl Acetate

Concen: 3.902 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW005471.D

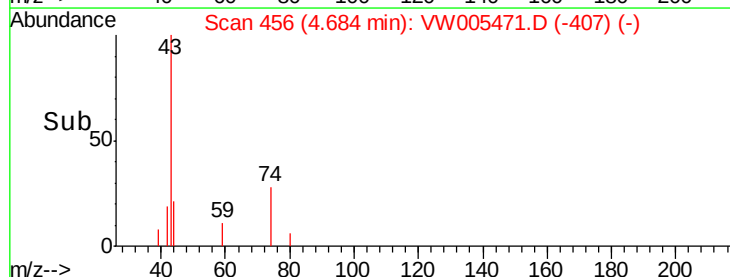
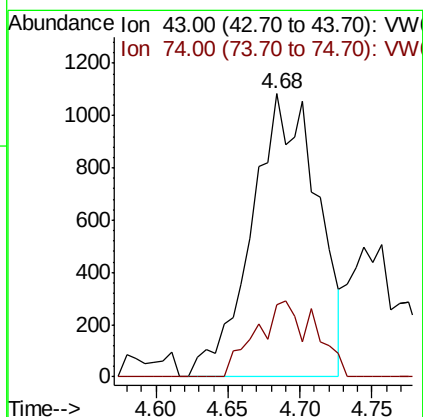
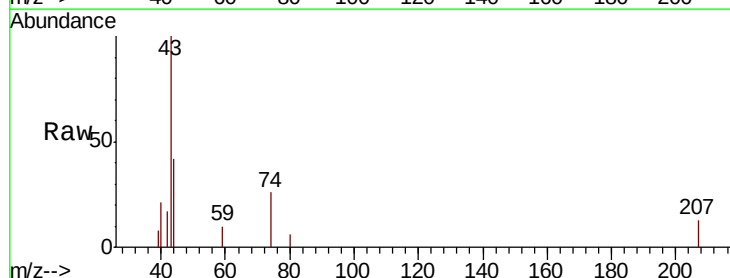
Acq: 18 Sep 2018 09:40

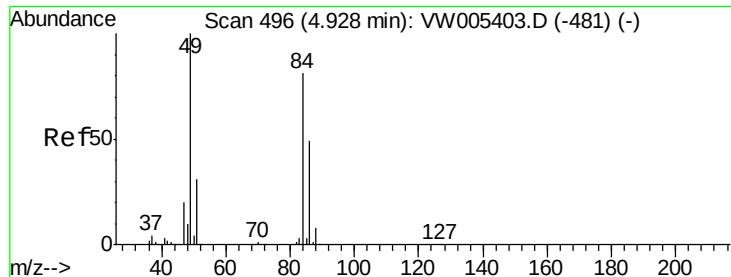
Tgt Ion: 43 Resp: 3426

Ion Ratio Lower Upper

43 100

74 17.5 17.7 26.5#

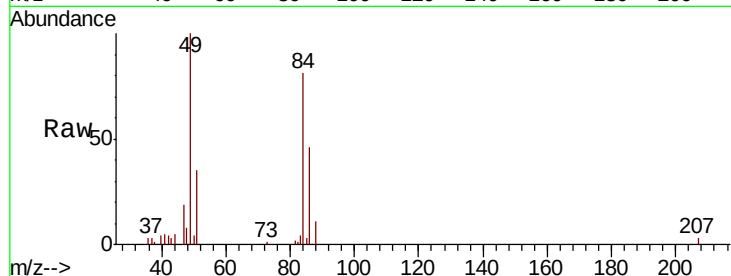




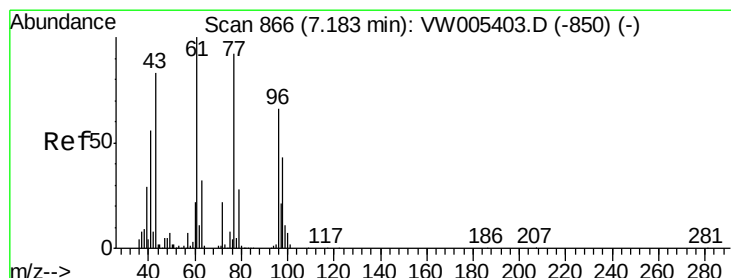
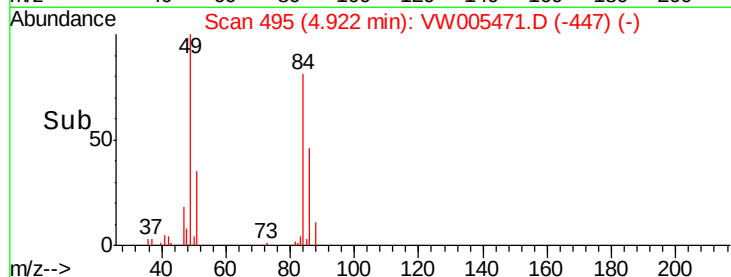
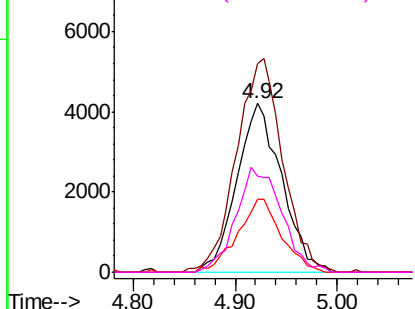
#20
Methylene Chloride
Concen: 1.474 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 12772
Ion Ratio Lower Upper
84 100
49 124.0 99.3 148.9
51 43.3 31.1 46.7
86 56.8 49.1 73.7

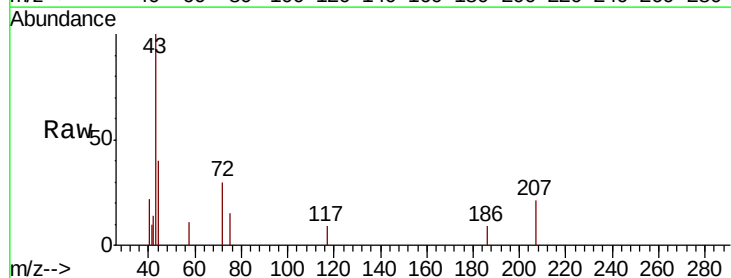


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

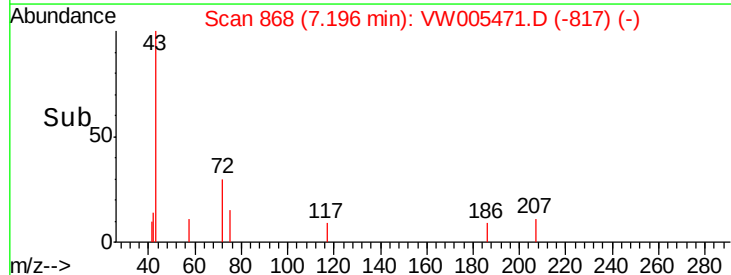
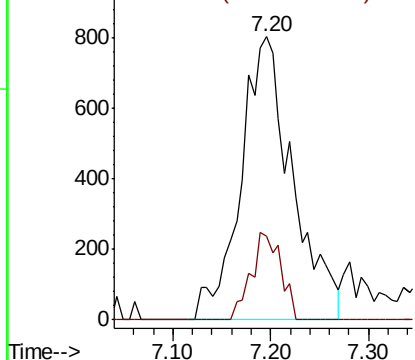


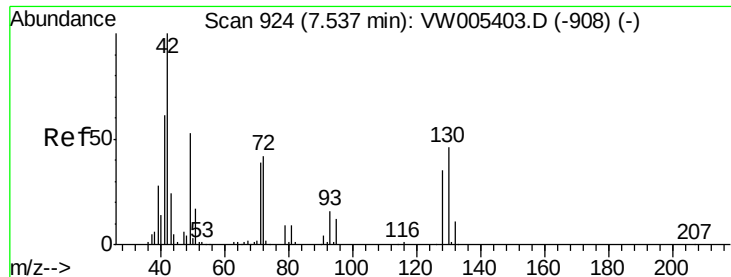
#25
2-Butanone
Concen: 6.734 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.01 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

Tgt Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
72 29.5 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

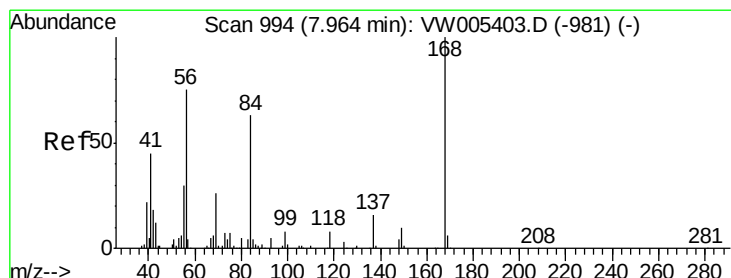
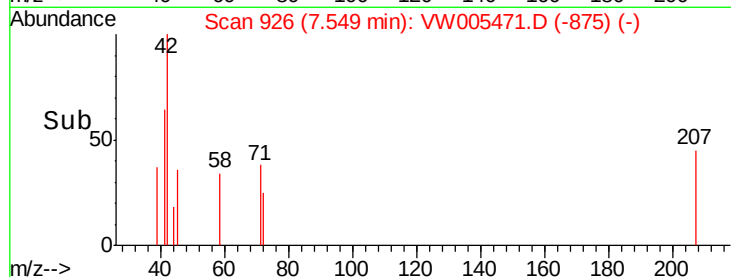
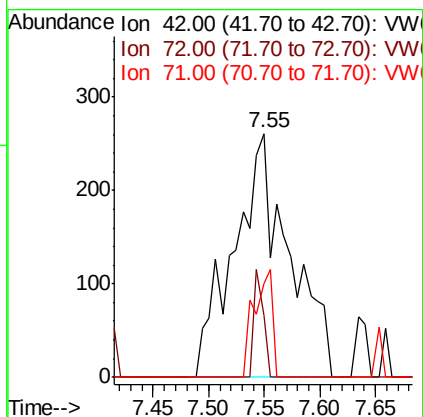
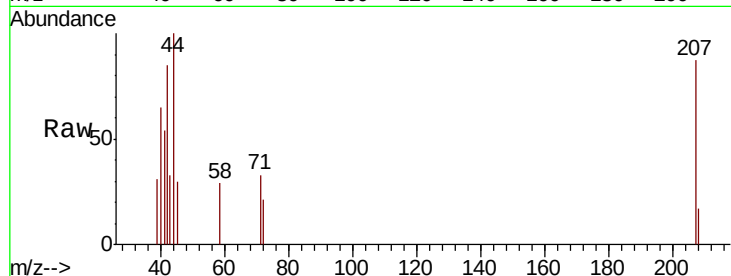




#29
Tetrahydrofuran
Concen: 3.210 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

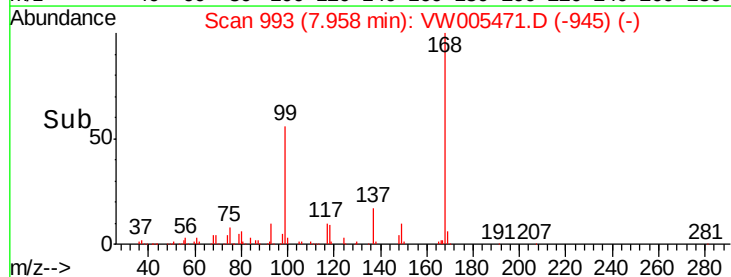
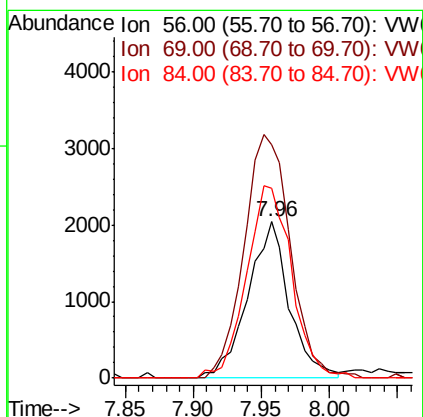
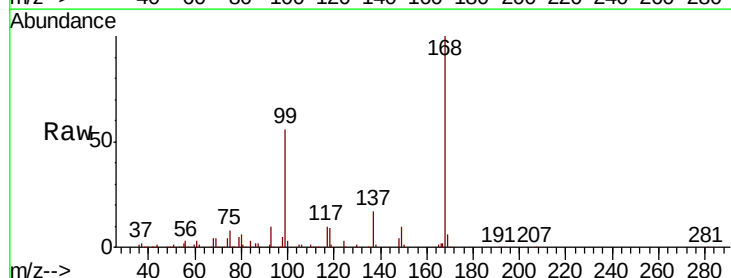
Instrument :
MSVOA_W
ClientSampled :

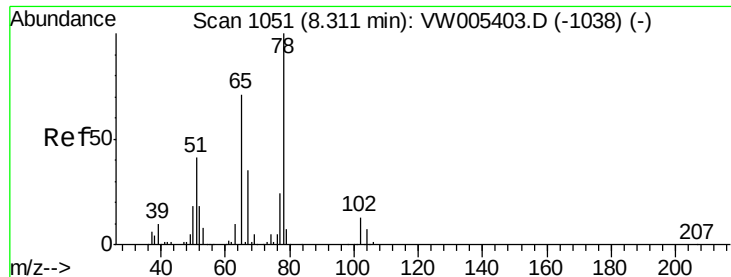
Tot Ion: 42 Resp: 899
Ion Ratio Lower Upper
42 100
72 7.5 33.2 49.8#
71 14.9 31.0 46.6#



#31
Cyclohexane
Concen: 1.499 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

Tgt Ion: 56 Resp: 4372
Ion Ratio Lower Upper
56 100
69 149.8 27.2 40.8#
84 121.7 66.7 100.1#

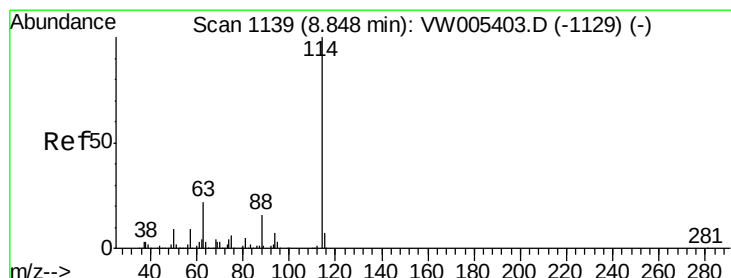
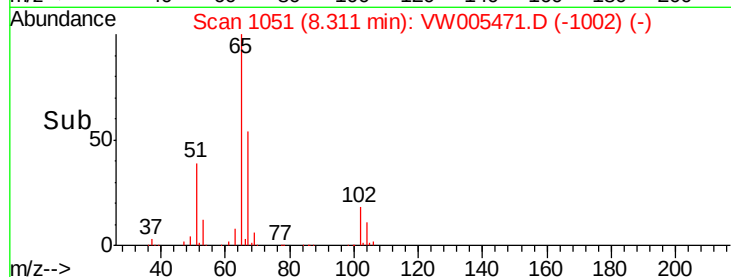
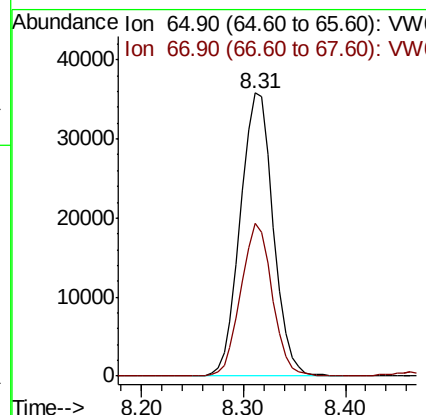
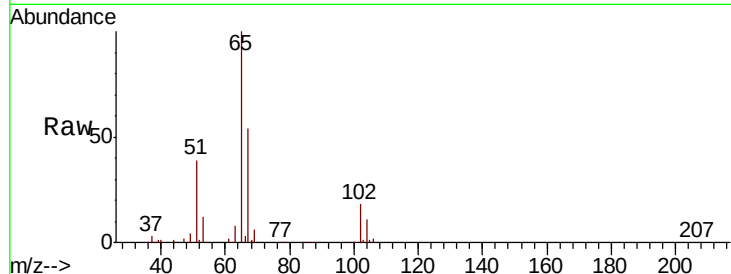




#33
 1,2-Dichloroethane-d4
 Concen: 43.902 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005471.D
 Acq: 18 Sep 2018 09:40

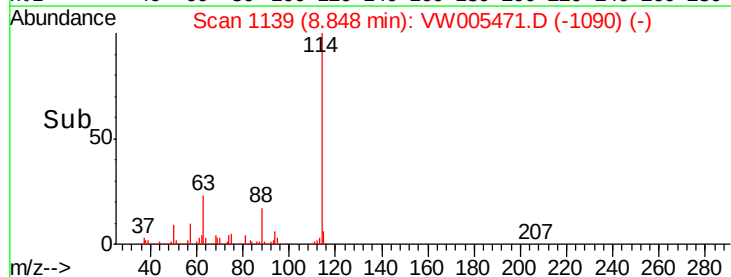
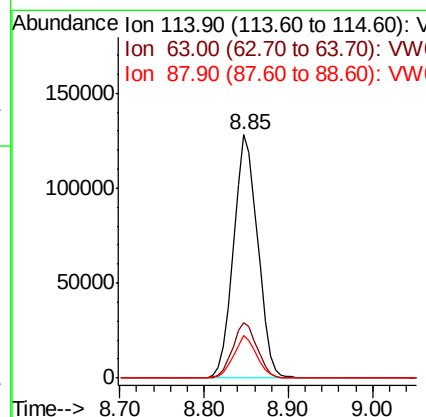
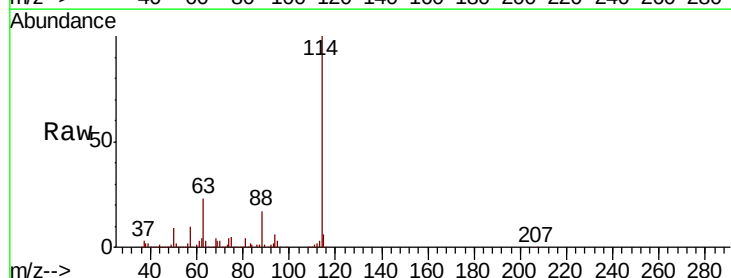
Instrument :
 MSVOA_W
 ClientSampleId :

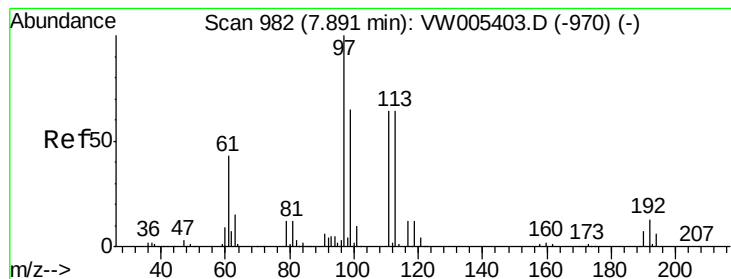
Tot Ion: 65 Resp: 80220
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005471.D
 Acq: 18 Sep 2018 09:40

Tgt Ion: 114 Resp: 249553
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.4
 88 17.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.312 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

Instrument :

MSVOA_W

ClientSampleId :

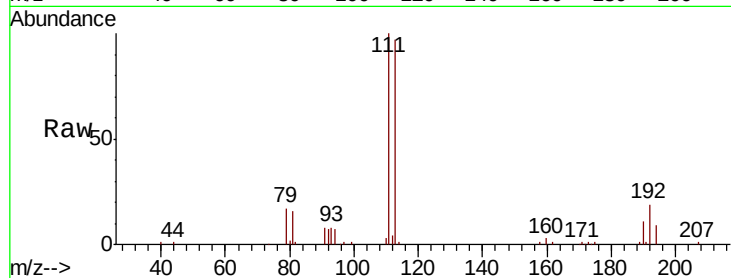
Tot Ion:113 Resp: 66200

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

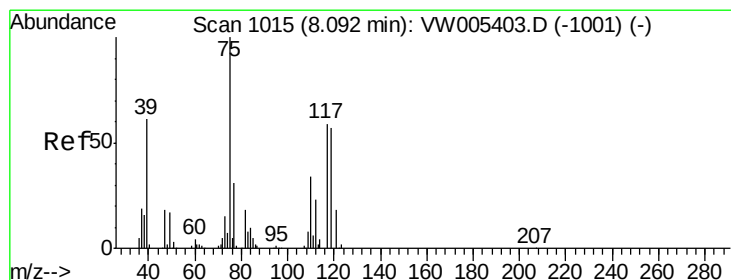
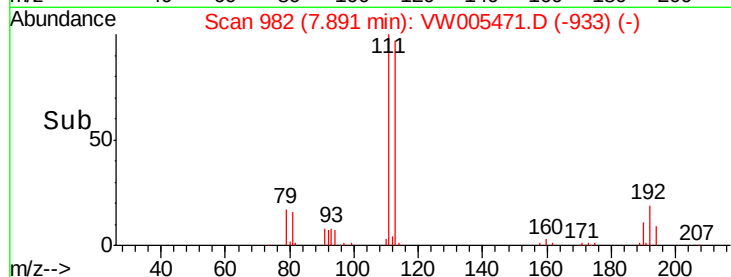
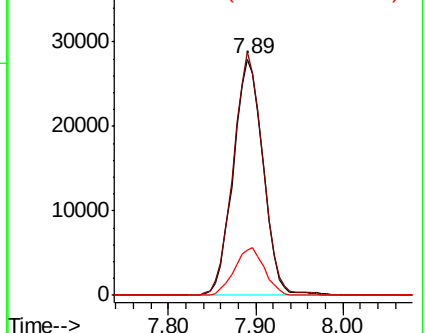
192 20.2 16.5 24.7



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: 6.168 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

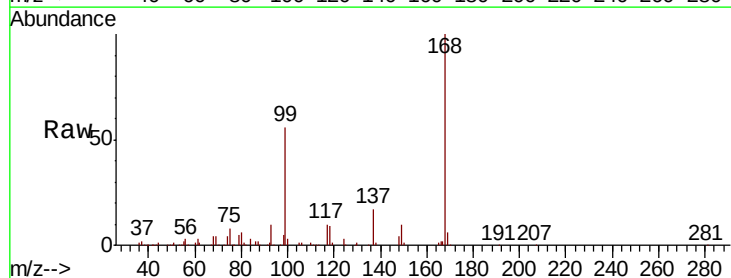
Tgt Ion: 75 Resp: 14568

Ion Ratio Lower Upper

75 100

110 9.2 16.8 50.4#

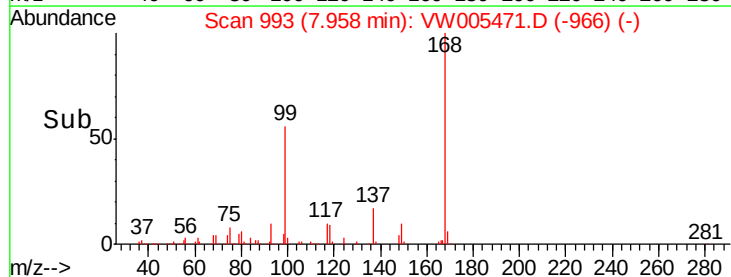
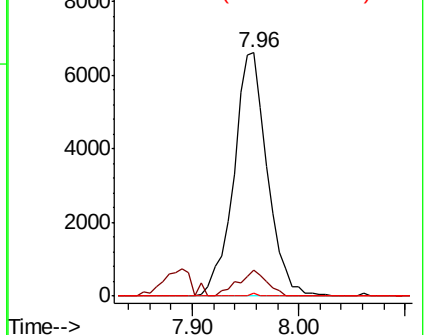
77 0.2 24.2 36.4#

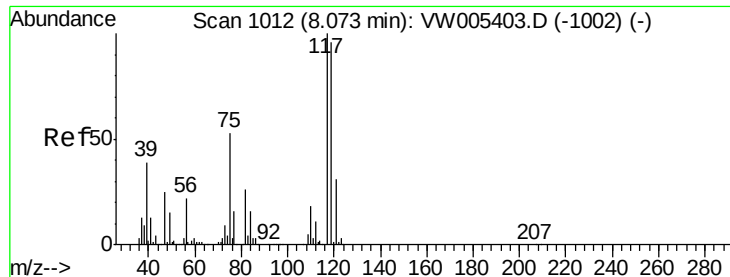


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.008 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

Instrument :

MSVOA_W

ClientSampled :

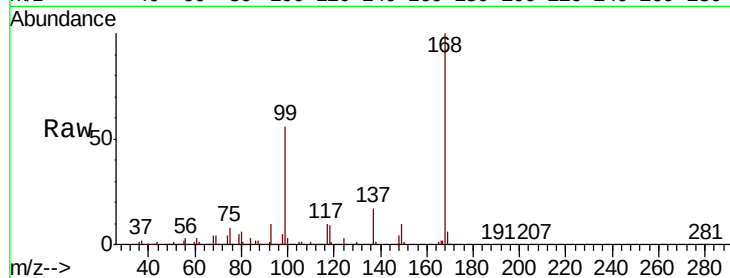
Tot Ion:117 Resp: 17248

Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

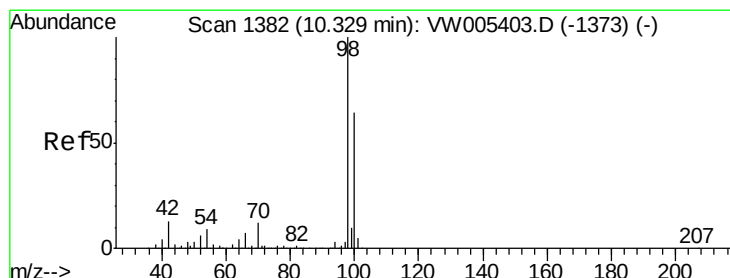
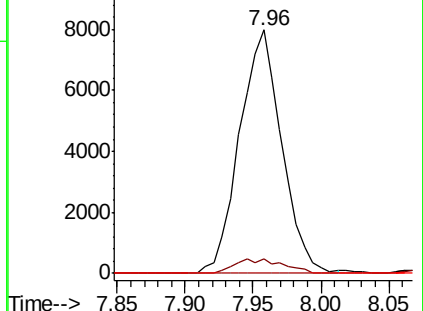
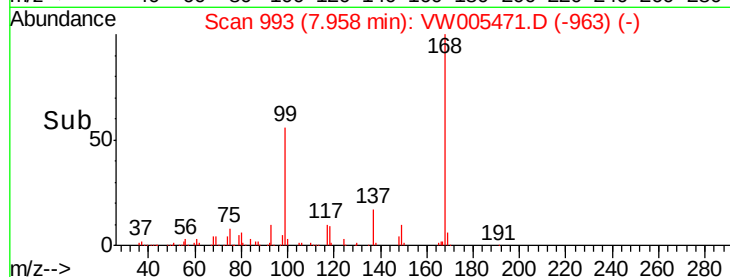
121 0.0 24.7 37.1#



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: 29.102 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005471.D

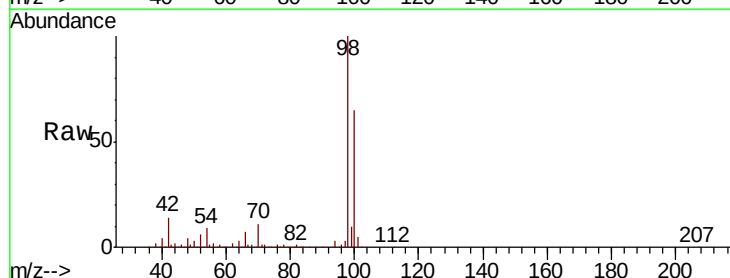
Acq: 18 Sep 2018 09:40

Tgt Ion: 98 Resp: 186479

Ion Ratio Lower Upper

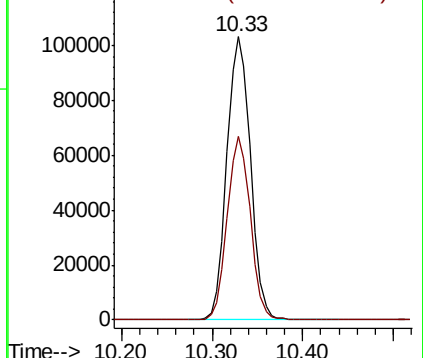
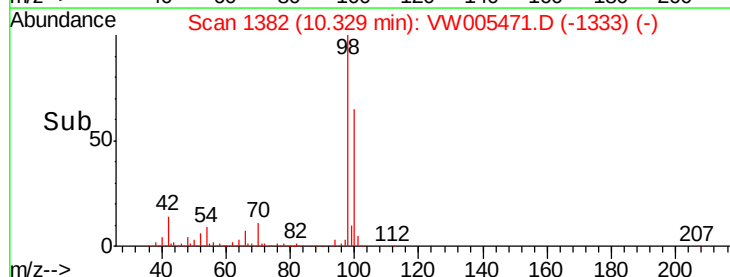
98 100

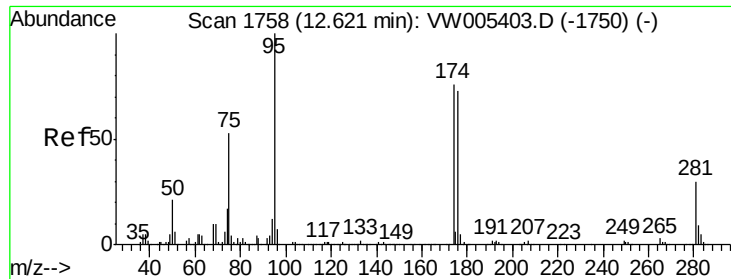
100 63.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

120000 Ion 100.00 (99.70 to 100.70): VW

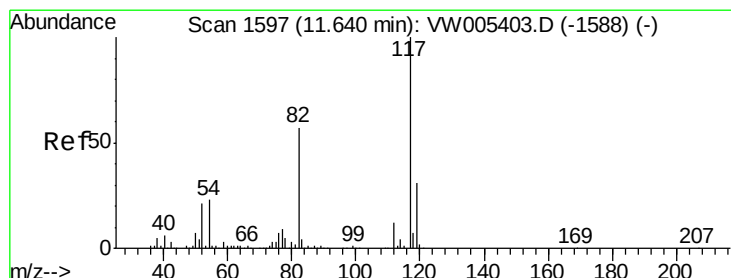
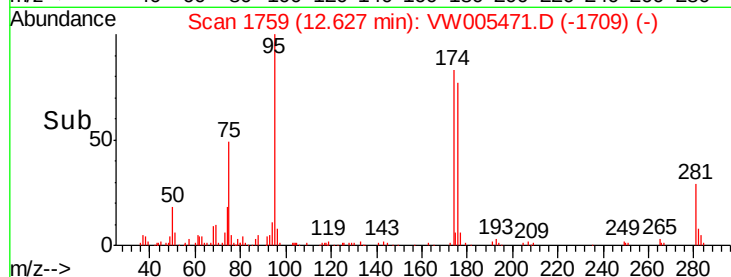
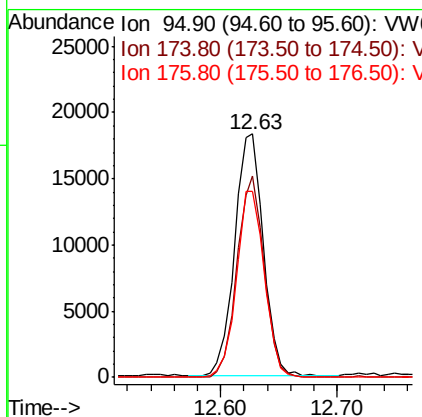
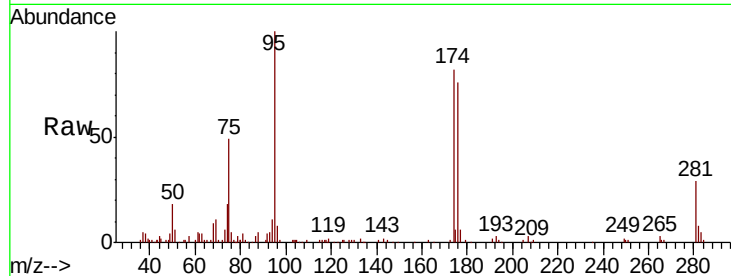




#62
4-Bromofluorobenzene
Concen: 13.410 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

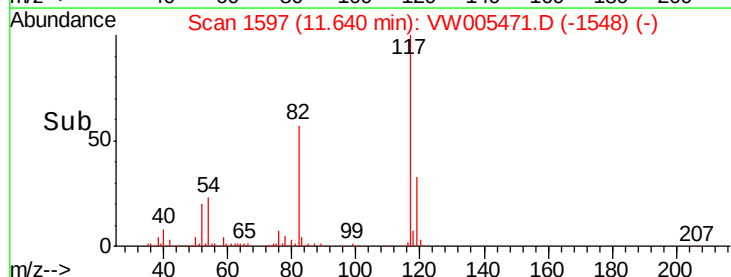
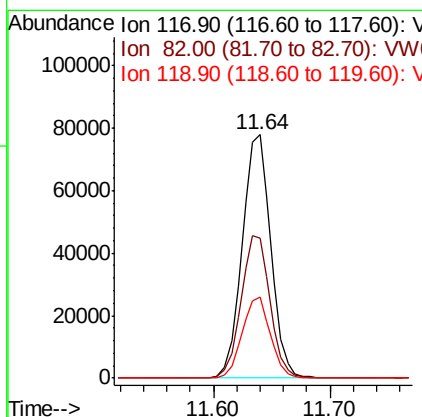
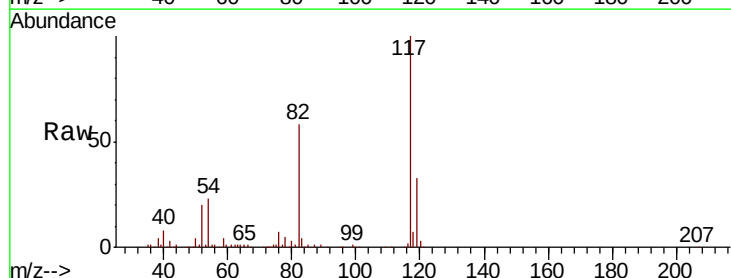
Instrument :
MSVOA_W
ClientSampled :

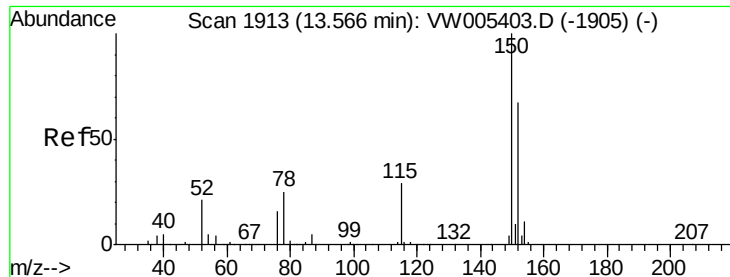
Tot Ion: 95 Resp: 31506
Ion Ratio Lower Upper
95 100
174 78.0 0.0 161.2
176 74.6 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005471.D
Acq: 18 Sep 2018 09:40

Tgt Ion: 117 Resp: 133426
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 33.1 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

Instrument :

MSVOA_W

ClientSampleId :

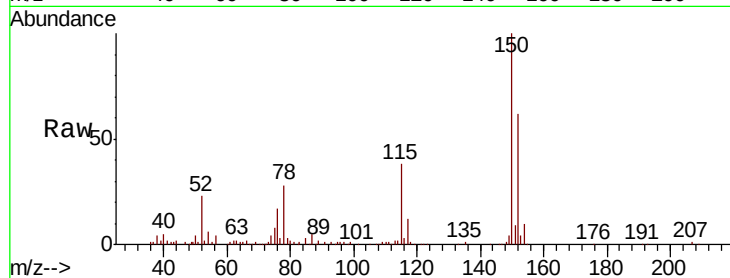
Tot Ion:152 Resp: 26597

Ion Ratio Lower Upper

152 100

115 59.0 29.5 88.5

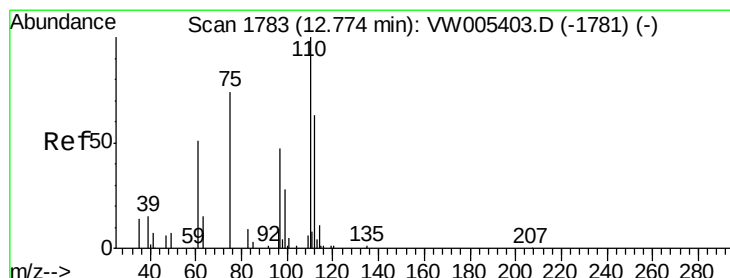
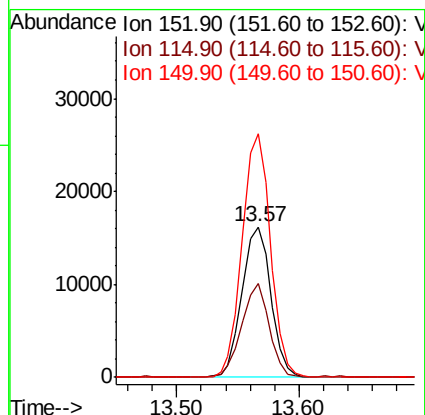
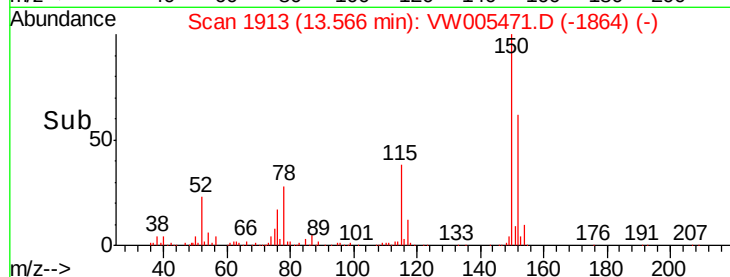
150 158.6 0.0 345.6



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: 71.436 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005471.D

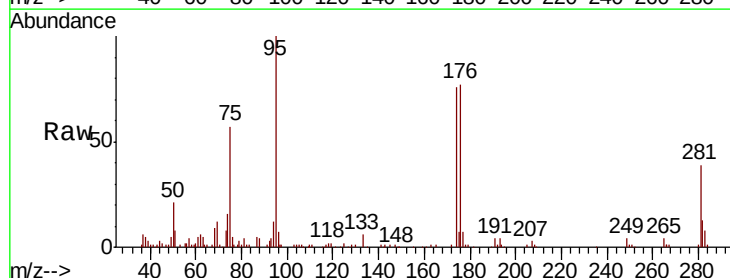
Acq: 18 Sep 2018 09:40

Tgt Ion: 75 Resp: 15627

Ion Ratio Lower Upper

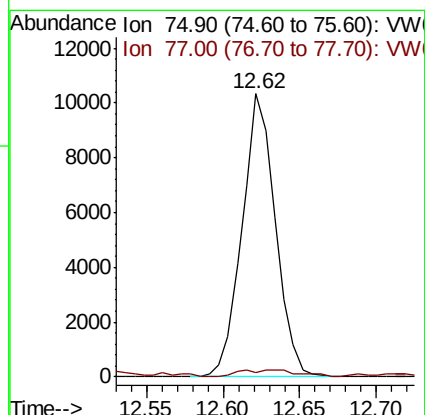
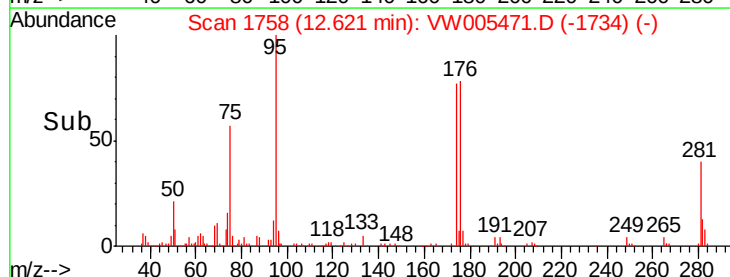
75 100

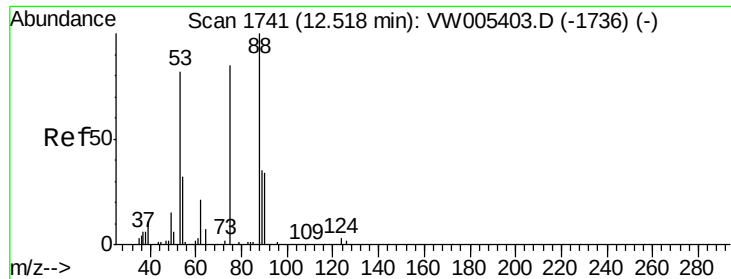
77 1.6 0.0 0.0#



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: 185.310 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005471.D

Acq: 18 Sep 2018 09:40

Instrument :

MSVOA_W

ClientSampleId :

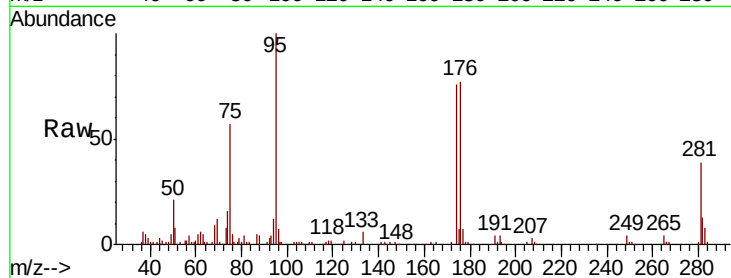
Tot Ion: 75 Resp: 15627

Ion Ratio Lower Upper

75 100

53 1.0 83.2 124.8#

89 0.0 36.6 54.8#



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

