

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005485.D
 Acq On : 18 Sep 2018 17:56
 Operator : SY/AP
 Sample : J4951-01RE
 Misc : 5.65G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB48380RT

Quant Time: Sep 19 05:59:37 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	278631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	447167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172555	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	119733	41.40	ug/l	0.00
Spiked Amount			Recovery	=	82.80%	
35) Dibromofluoromethane	7.89	113	95865	38.24	ug/l	0.00
Spiked Amount			Recovery	=	76.48%	
50) Toluene-d8	10.33	98	431057	37.54	ug/l	0.00
Spiked Amount			Recovery	=	75.08%	
62) 4-Bromofluorobenzene	12.62	95	155652	36.97	ug/l	0.00
Spiked Amount			Recovery	=	73.94%	

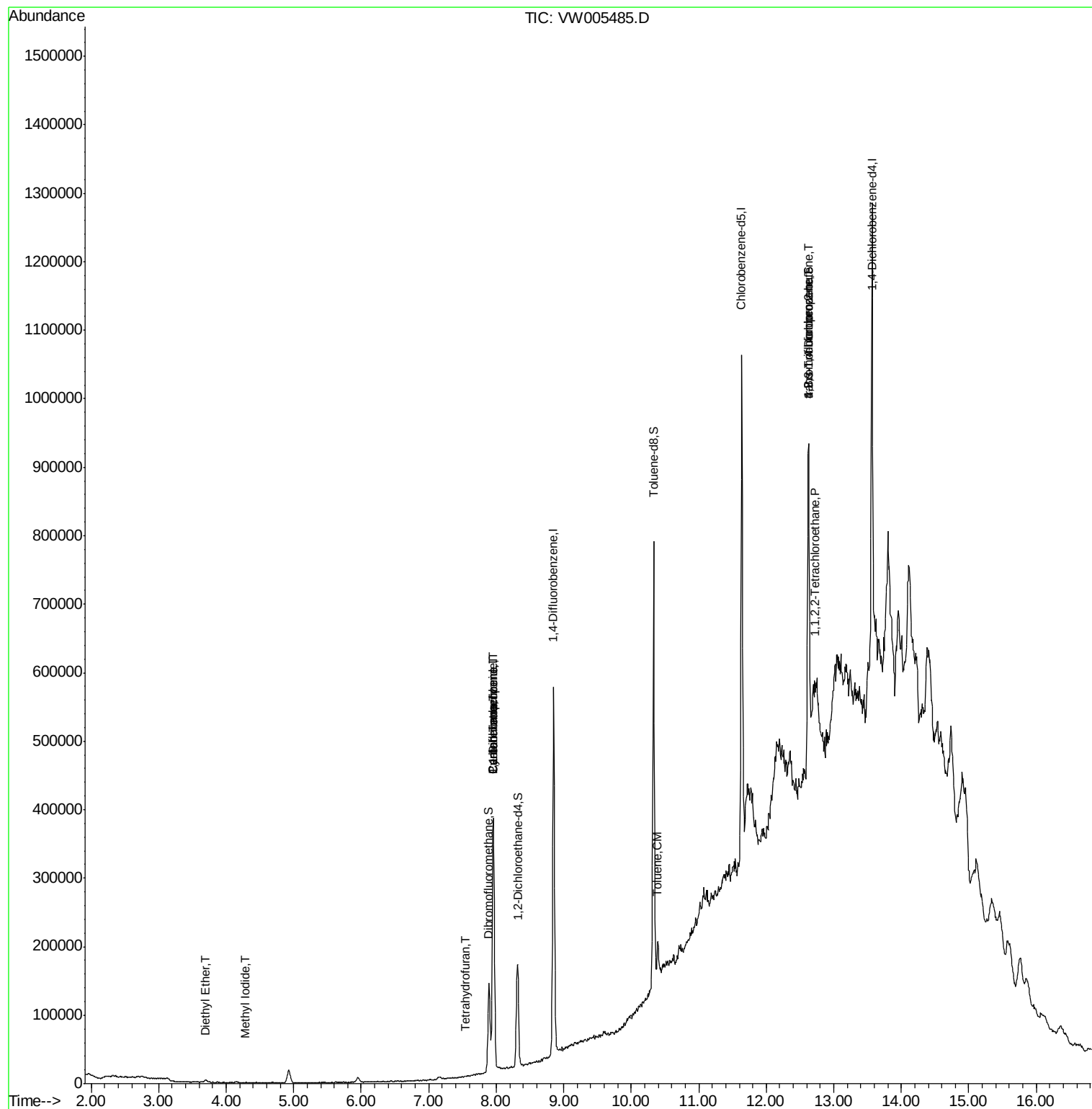
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	304	Below Cal		96
5) Bromomethane	2.78	94	459	Below Cal	#	64
8) Diethyl Ether	3.70	74	1614	1.331	ug/l	94
10) Methyl Iodide	4.27	142	40	4.063	ug/l #	38
11) Tert butyl alcohol	5.21	59	117	Below Cal	#	29
13) Acrolein	3.97	56	43	Below Cal	#	1
16) Acetone	4.15	43	2376	Below Cal		92
20) Methylene Chloride	4.92	84	13519	Below Cal		92
29) Tetrahydrofuran	7.55	42	582	1.313	ug/l #	28
31) Cyclohexane	7.95	56	6789	1.471	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	22412	5.296	ug/l #	56
38) Carbon Tetrachloride	7.96	117	27276	6.185	ug/l #	17
52) Toluene	10.40	92	20782	2.503	ug/l	87
75) 1,1,2,2-Tetrachloroethane	12.72	83	28907	16.368	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	74761	52.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74761	136.648	ug/l #	10

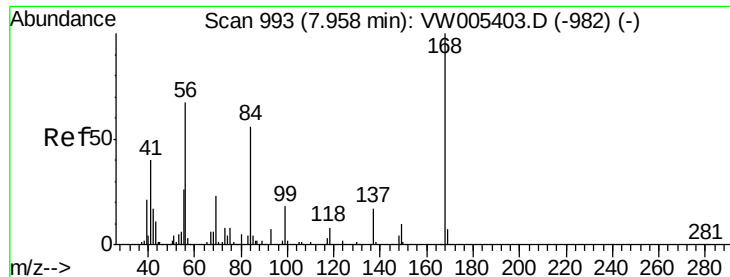
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

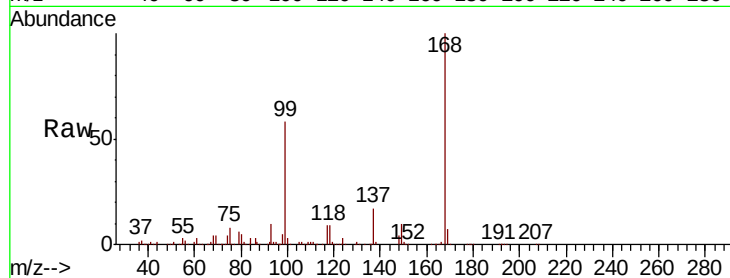
RB48380RT

Tgt Ion:168 Resp: 278631

Ion Ratio Lower Upper

168 100

99 57.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

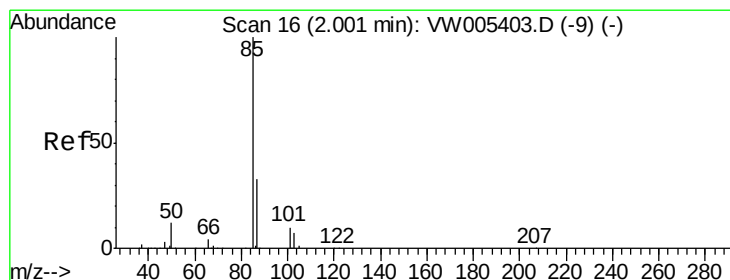
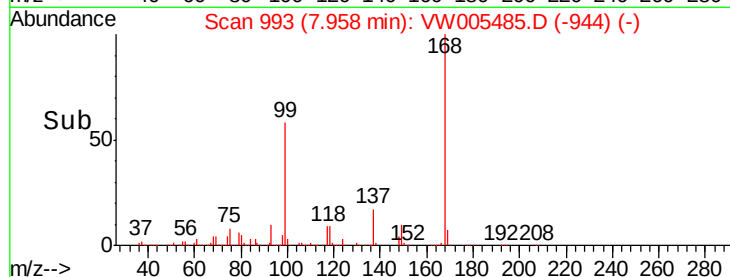
7.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW005485.D

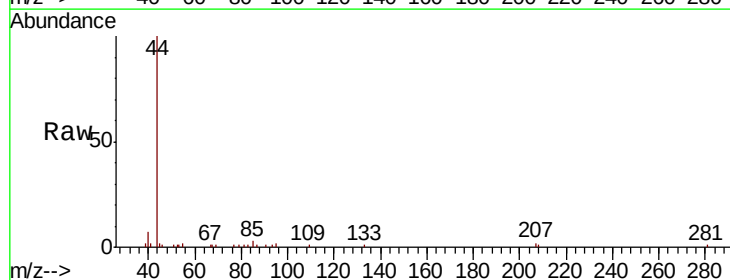
Acq: 18 Sep 2018 17:56

Tgt Ion: 85 Resp: 304

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

250

200

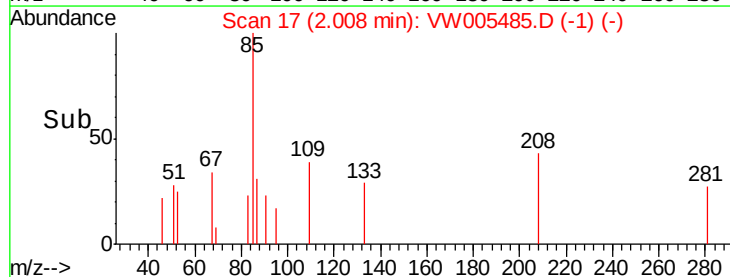
150

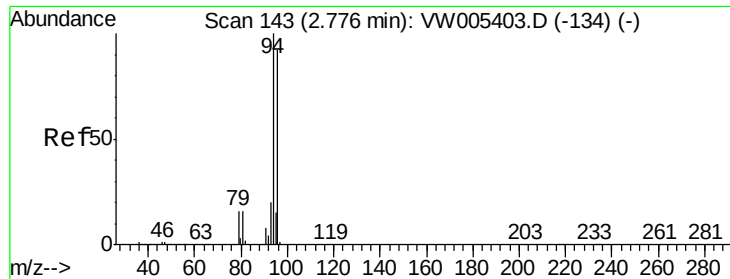
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

Instrument :

MSVOA_W

ClientSampled :

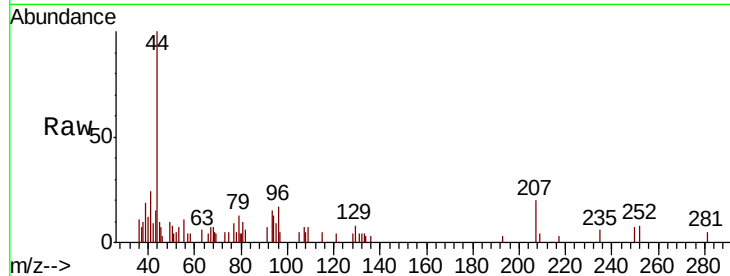
RB48380RT

Tgt Ion: 94 Resp: 459

Ion Ratio Lower Upper

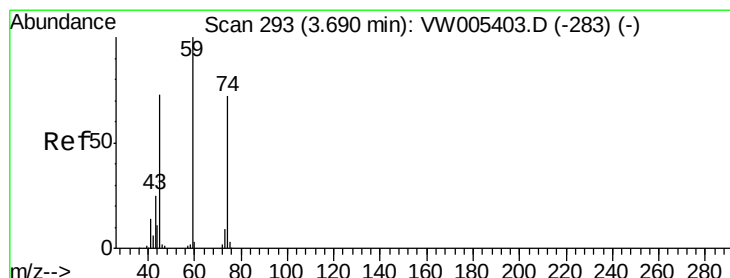
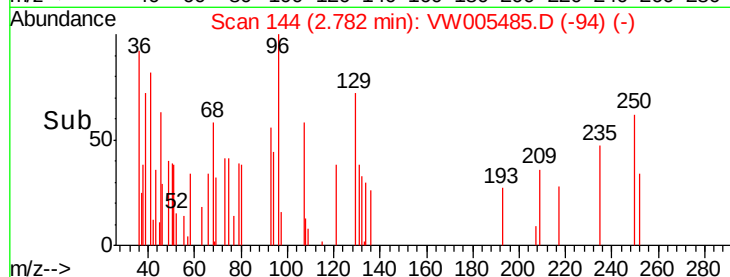
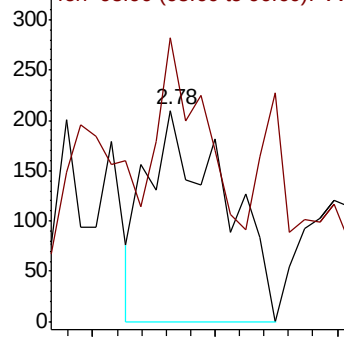
94 100

96 58.1 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.331 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005485.D

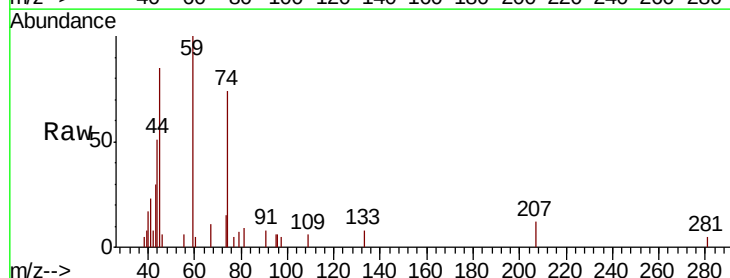
Acq: 18 Sep 2018 17:56

Tgt Ion: 74 Resp: 1614

Ion Ratio Lower Upper

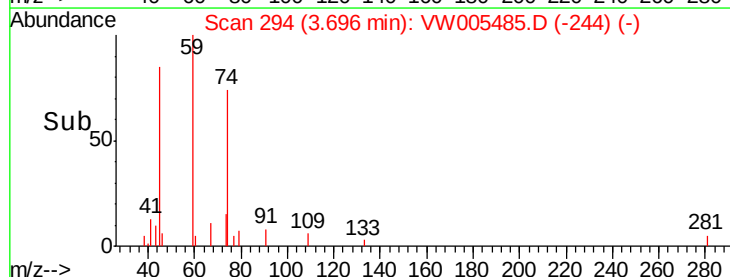
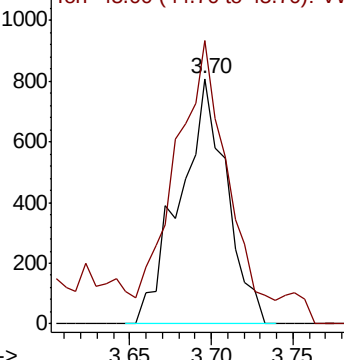
74 100

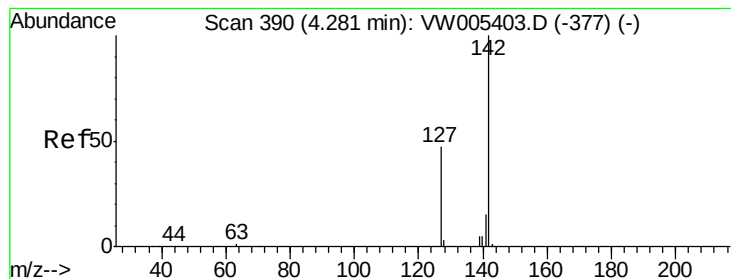
45 112.3 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#10

Methyl Iodide

Concen: 4.063 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

RB48380RT

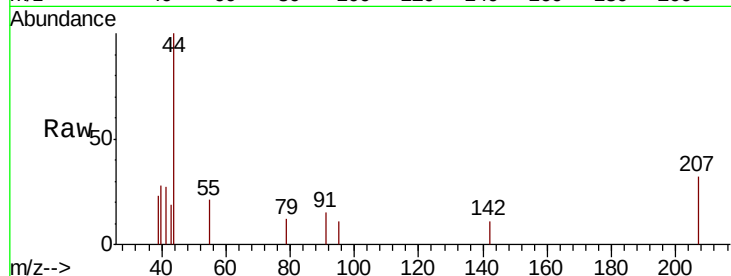
Tgt Ion: 142 Resp: 40

Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

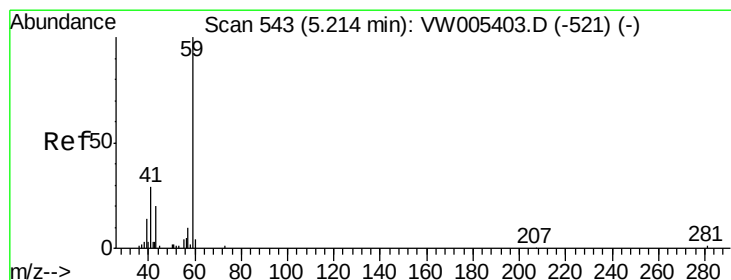
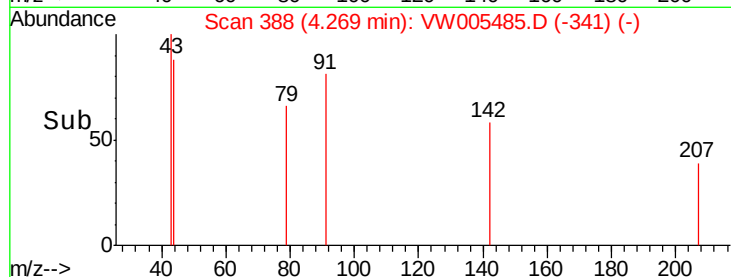
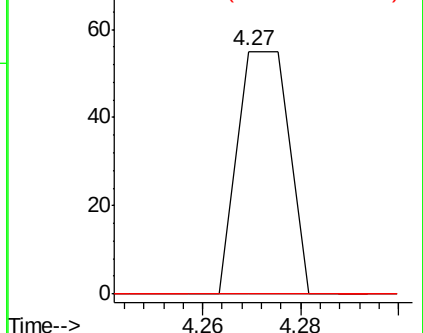
141 0.0 12.4 18.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. -0.01 min

Lab File: VW005485.D

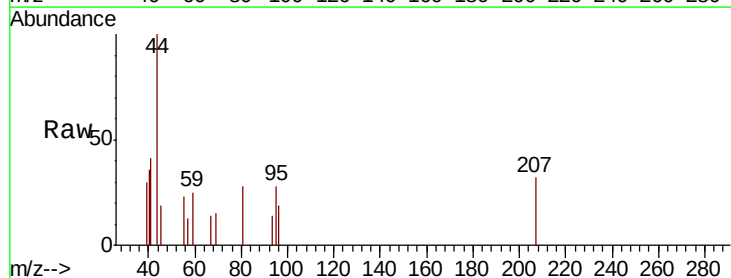
Acq: 18 Sep 2018 17:56

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

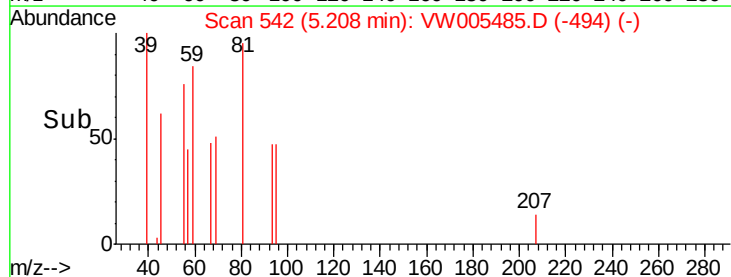
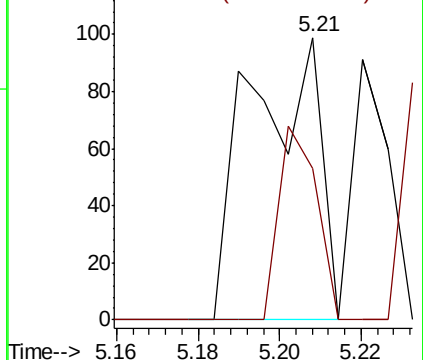
59 100

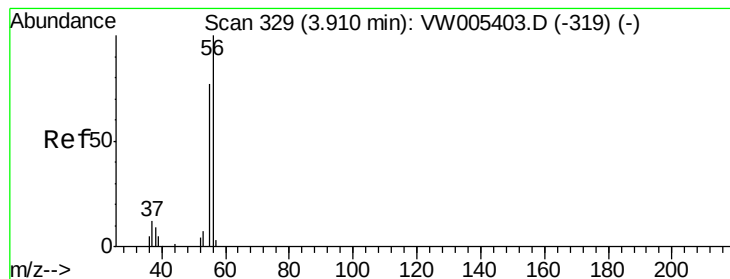
57 37.6 8.6 13.0#



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: 3.97 min Scan# 339

Delta R.T. 0.06 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

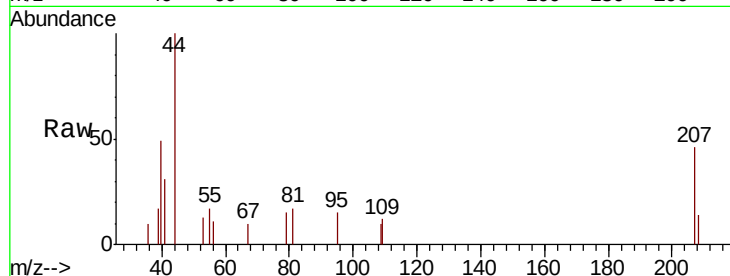
RB48380RT

Tgt Ion: 56 Resp: 43

Ion Ratio Lower Upper

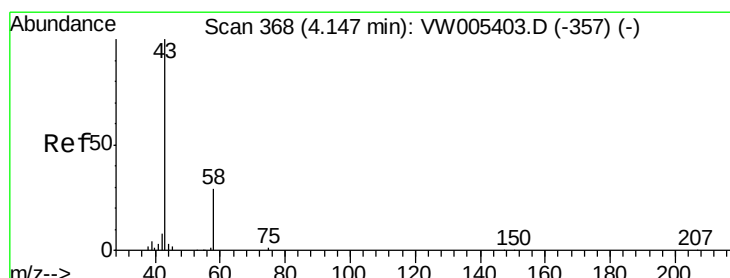
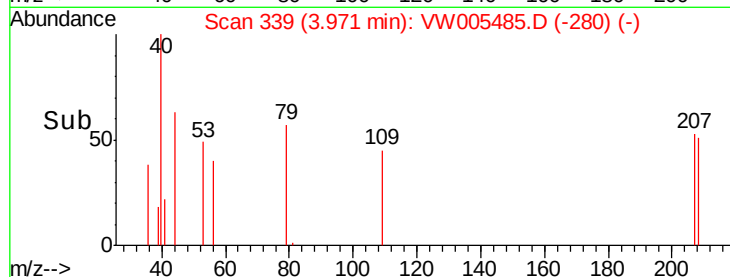
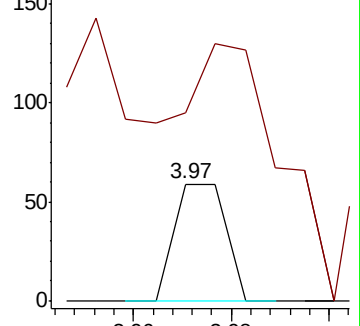
56 100

55 411.6 59.8 89.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW005485.D

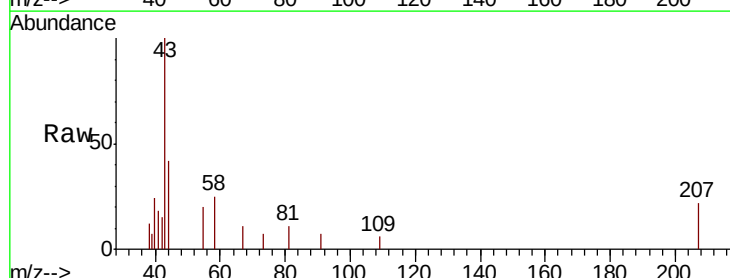
Acq: 18 Sep 2018 17:56

Tgt Ion: 43 Resp: 2376

Ion Ratio Lower Upper

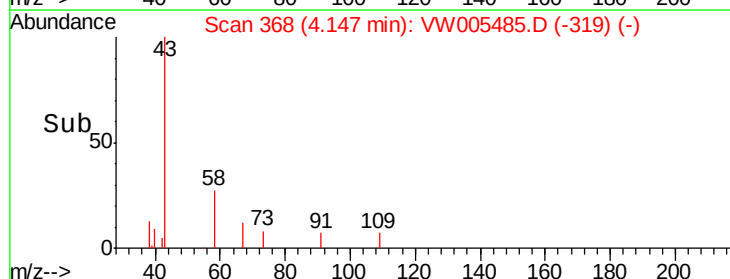
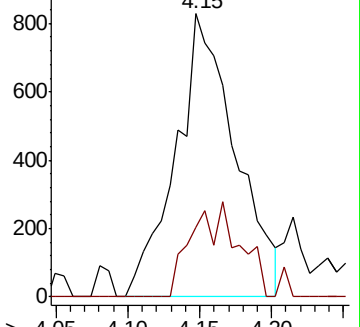
43 100

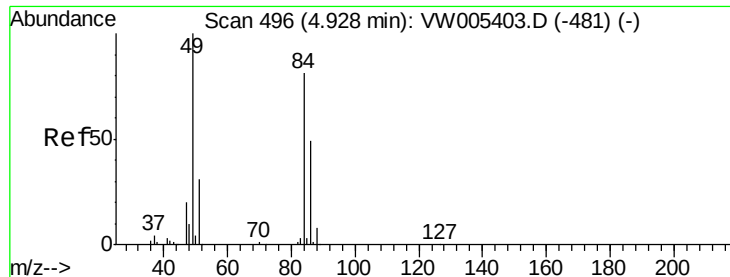
58 24.5 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

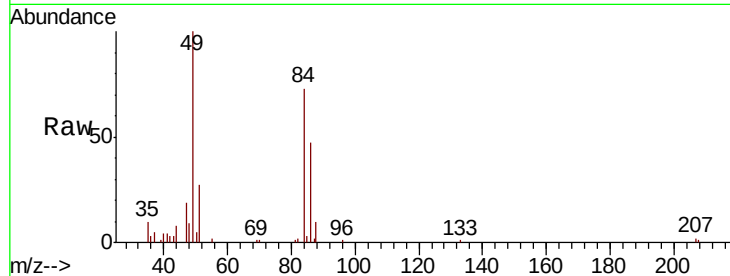




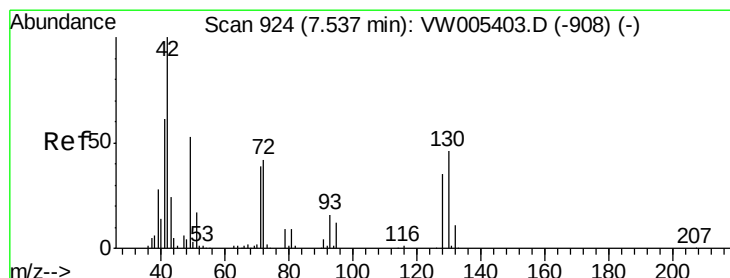
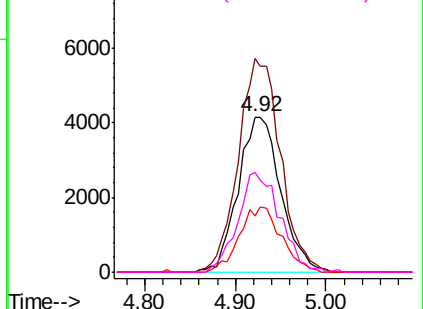
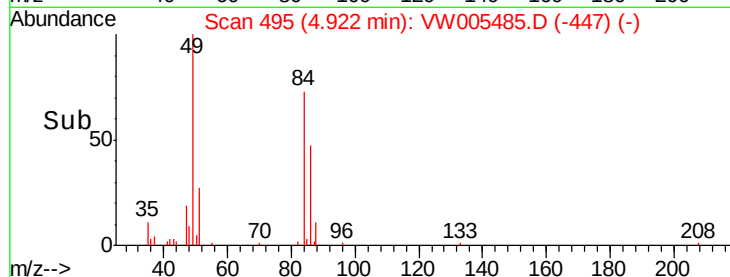
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005485.D
Acq: 18 Sep 2018 17:56

Instrument :
MSVOA_W
ClientSampleId :
RB48380RT

Tgt Ion:	84	Resp:	13519
Ion	Ratio	Lower	Upper
84	100		
49	137.5	99.3	148.9
51	36.7	31.1	46.7
86	64.5	49.1	73.7

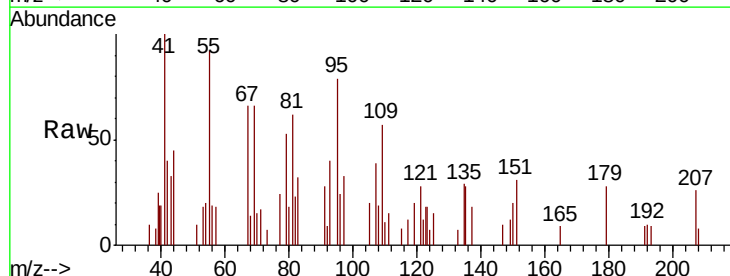


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

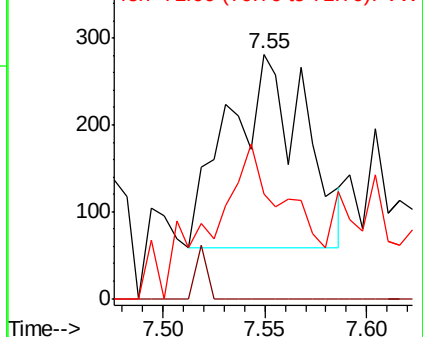
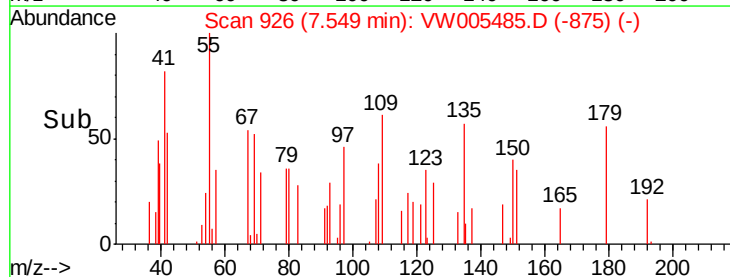


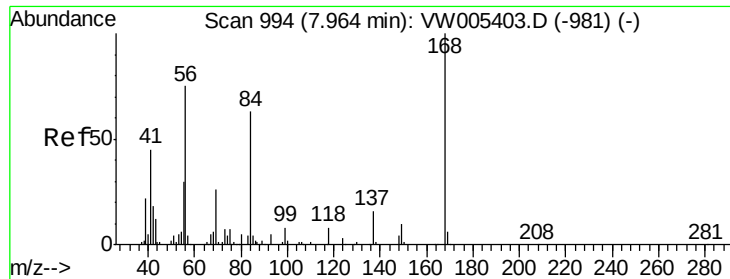
#29
Tetrahydrofuran
Concen: 1.313 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005485.D
Acq: 18 Sep 2018 17:56

Tgt Ion:	42	Resp:	582
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.2	49.8#
71	86.4	31.0	46.6#



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

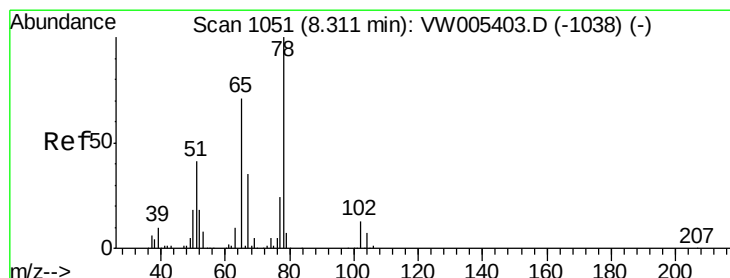
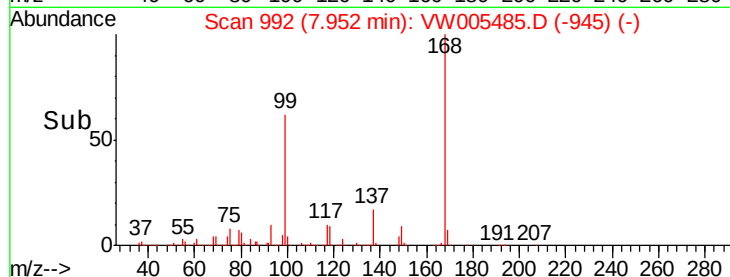
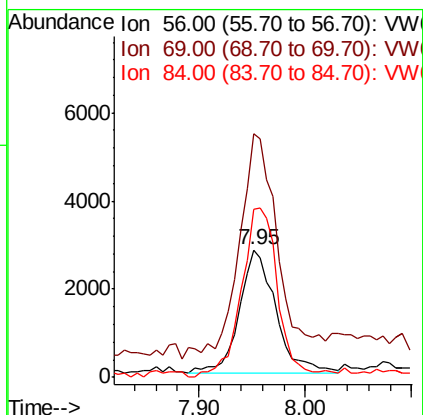
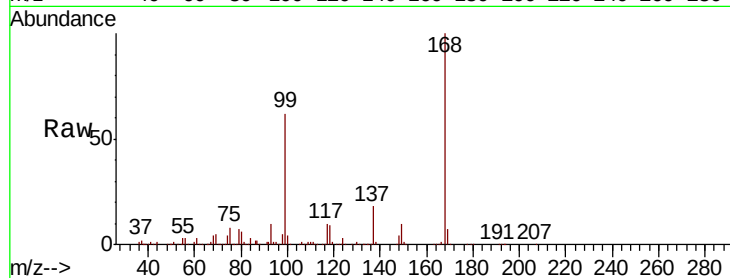




#31
Cyclohexane
Concen: 1.471 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005485.D
Acq: 18 Sep 2018 17:56

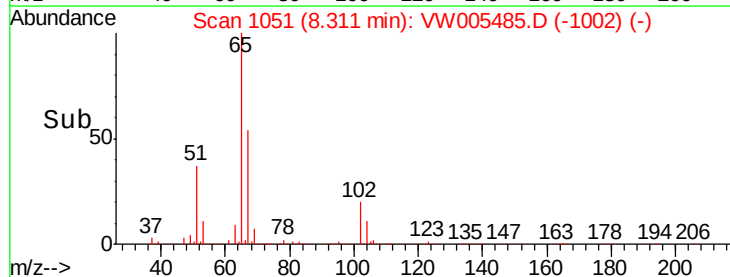
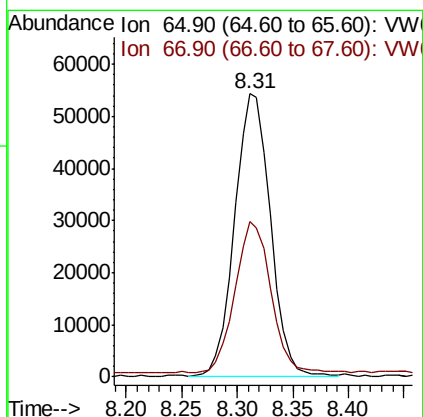
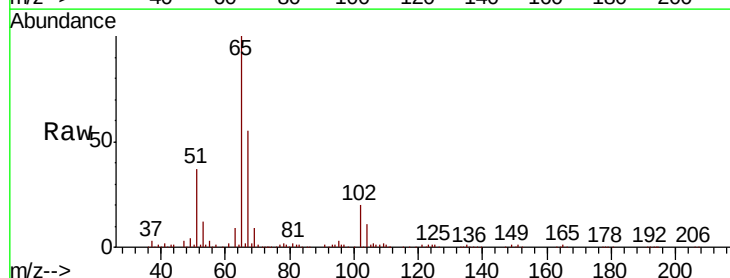
Instrument :
MSVOA_W
ClientSampleId :
RB48380RT

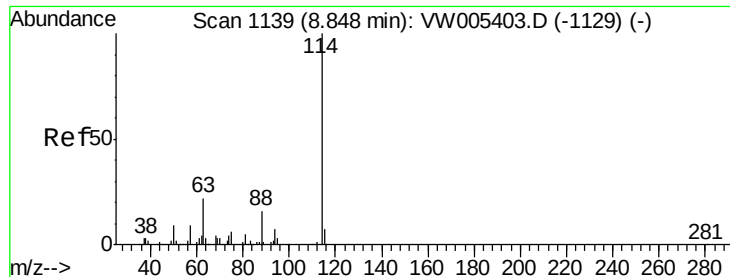
Tgt Ion: 56 Resp: 6789
Ion Ratio Lower Upper
56 100
69 173.7 27.2 40.8#
84 136.1 66.7 100.1#



#33
1,2-Dichloroethane-d4
Concen: 41.398 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005485.D
Acq: 18 Sep 2018 17:56

Tgt Ion: 65 Resp: 119733
Ion Ratio Lower Upper
65 100
67 54.6 0.0 100.6

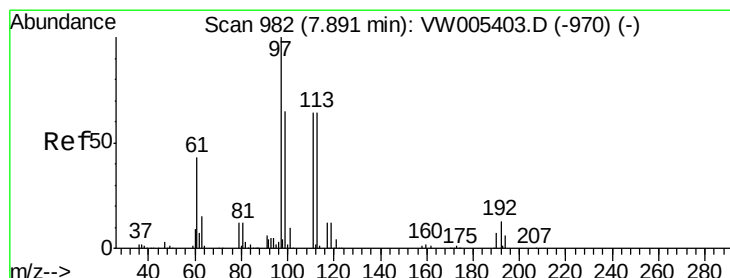
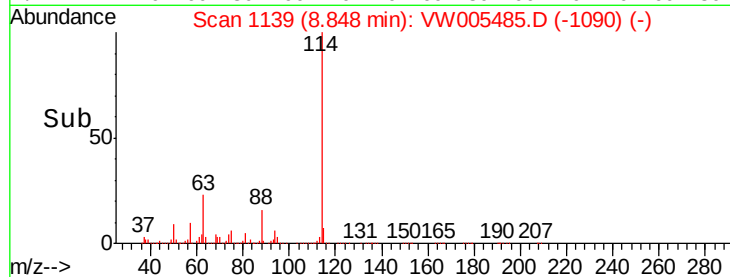
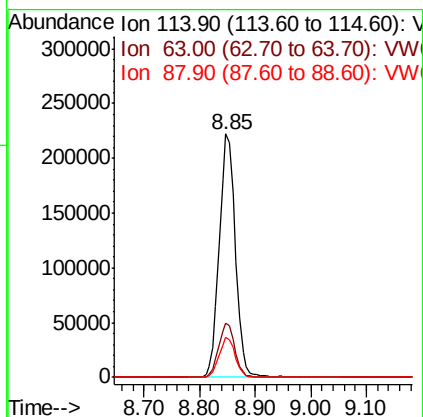
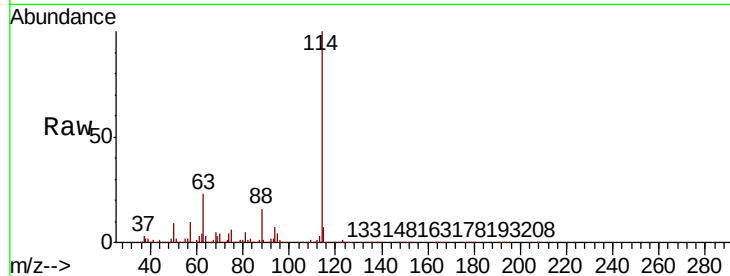




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005485.D
 Acq: 18 Sep 2018 17:56

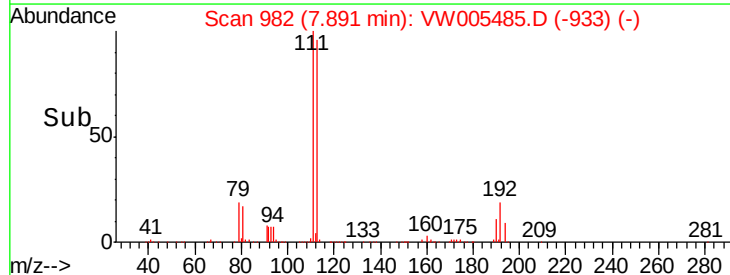
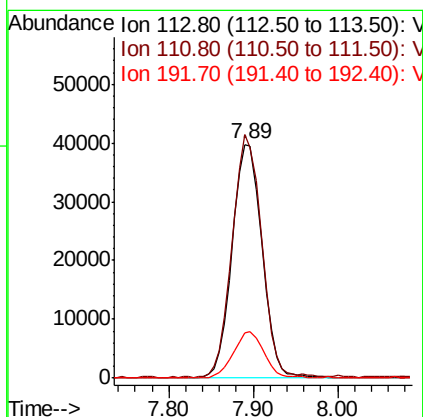
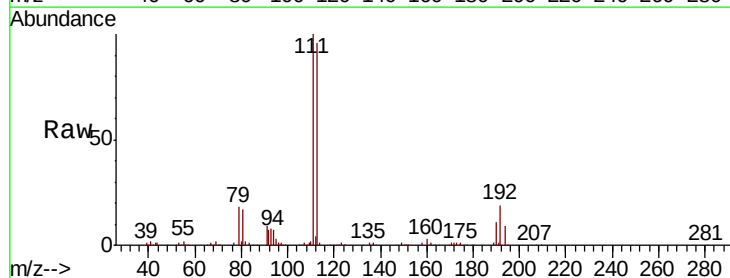
Instrument :
 MSVOA_W
 ClientSampleId :
 RB48380RT

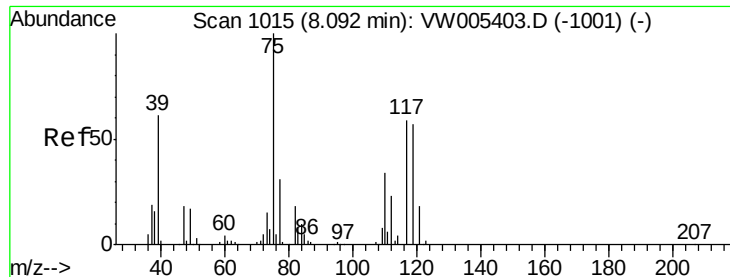
Tgt Ion:114 Resp: 447167
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 16.5 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 38.236 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005485.D
 Acq: 18 Sep 2018 17:56

Tgt Ion:113 Resp: 95865
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.3 123.5
 192 20.4 16.5 24.7

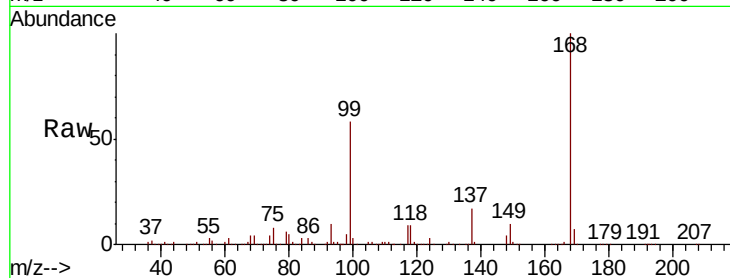




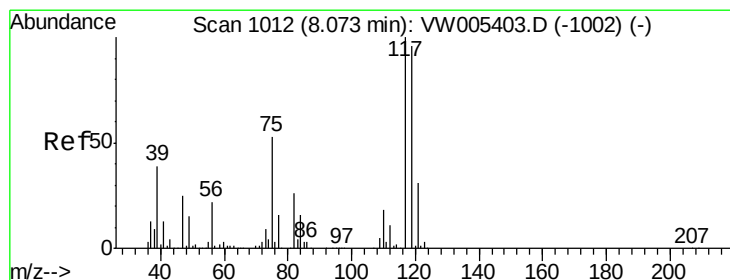
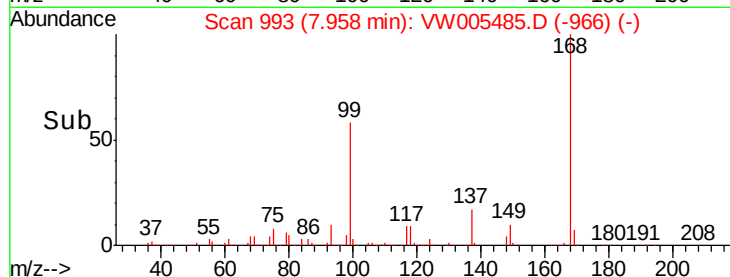
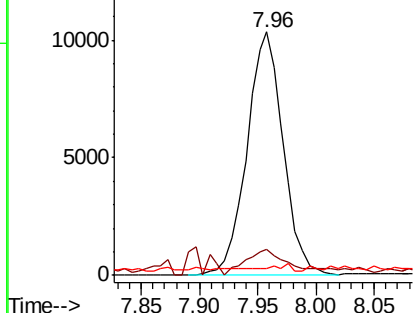
#36
 1,1-Dichloropropene
 Concen: 5.296 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005485.D
 Acq: 18 Sep 2018 17:56

Instrument :
 MSVOA_W
 ClientSampleId :
 RB48380RT

Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.9	16.8	50.4#
77	1.2	24.2	36.4#

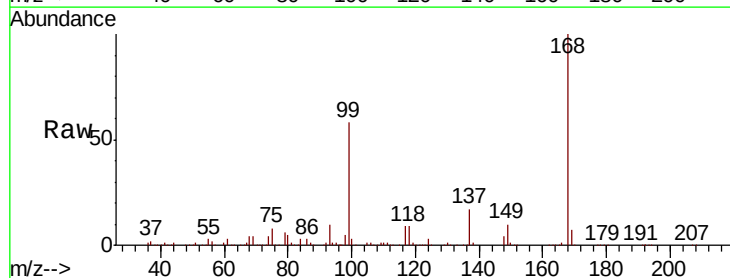


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

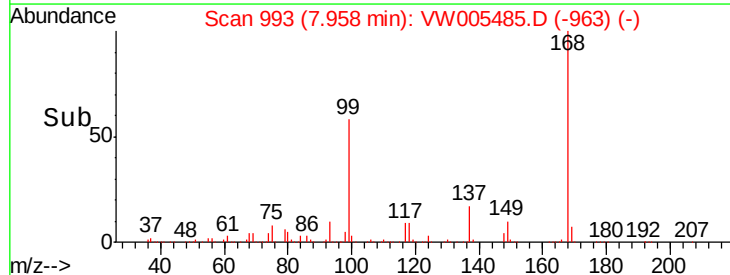
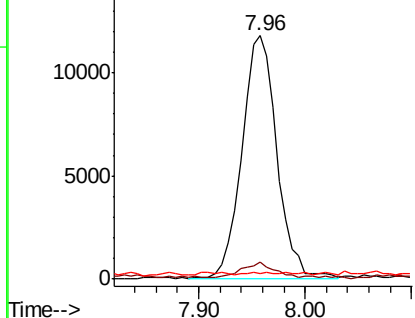


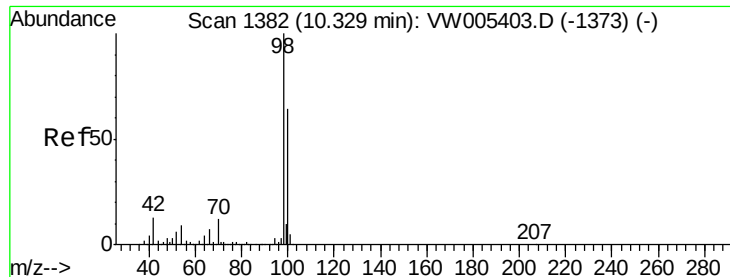
#38
 Carbon Tetrachloride
 Concen: 6.185 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005485.D
 Acq: 18 Sep 2018 17:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.8	115.2#
121	0.3	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: 37.542 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

Instrument :

MSVOA_W

ClientSampled :

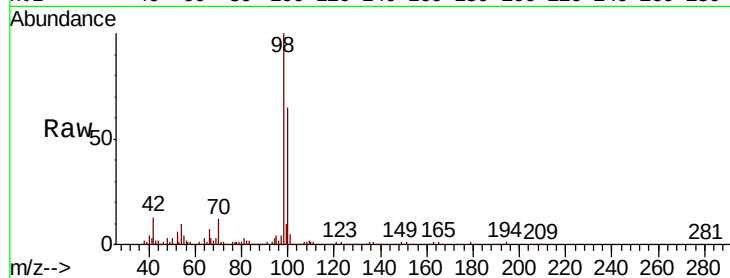
RB48380RT

Tgt Ion: 98 Resp: 431057

Ion Ratio Lower Upper

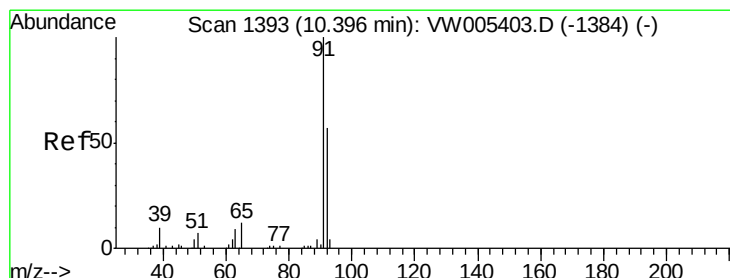
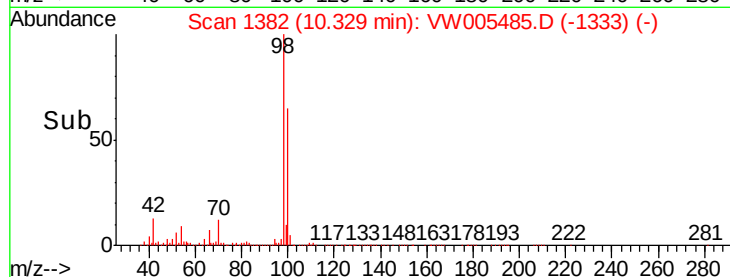
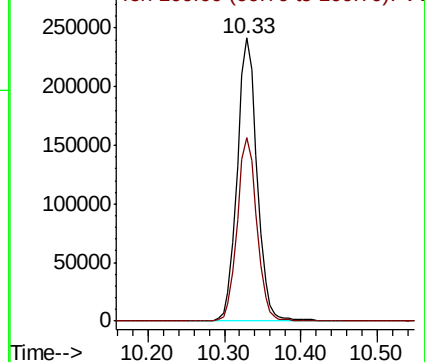
98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 2.503 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005485.D

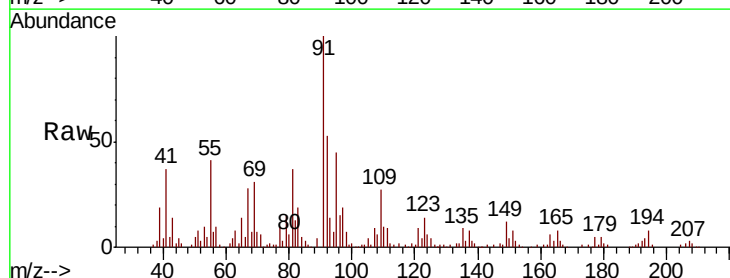
Acq: 18 Sep 2018 17:56

Tgt Ion: 92 Resp: 20782

Ion Ratio Lower Upper

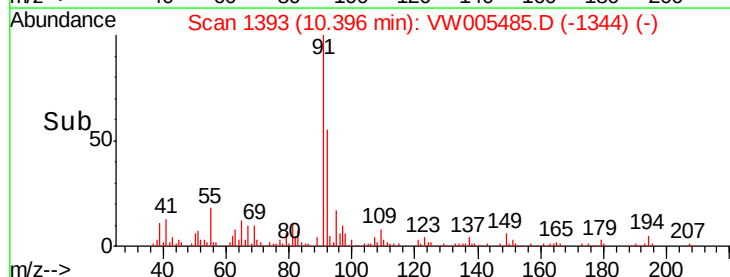
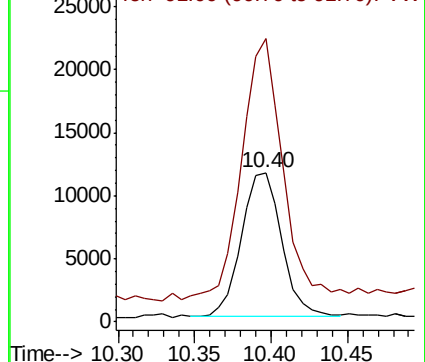
92 100

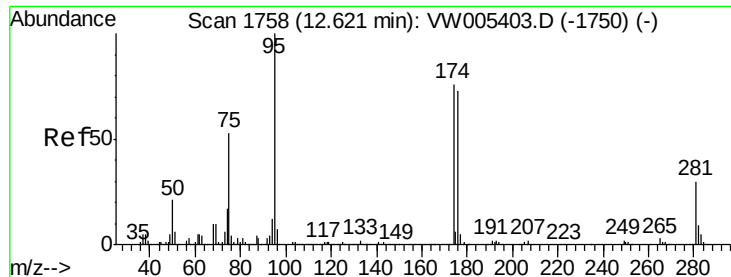
91 191.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

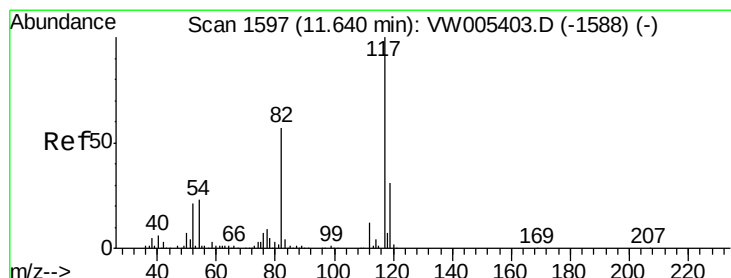
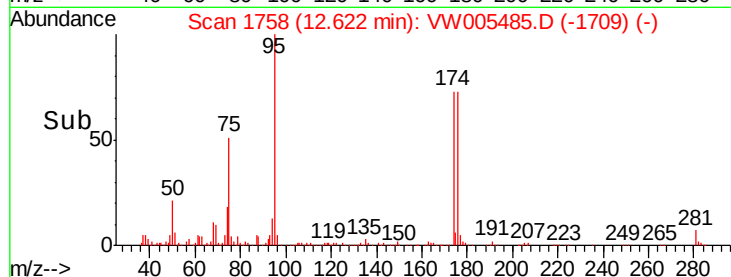
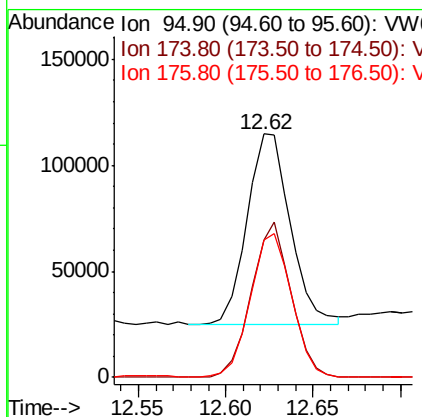
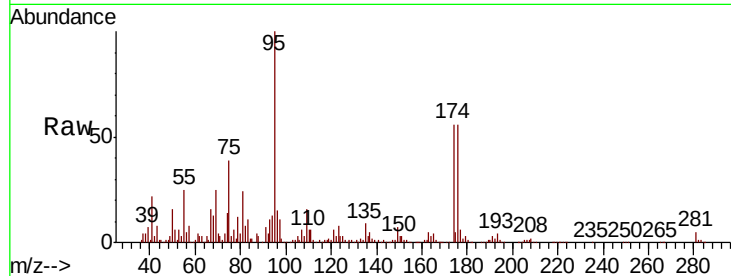




#62
4-Bromofluorobenzene
Concen: 36.972 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW005485.D
Acq: 18 Sep 2018 17:56

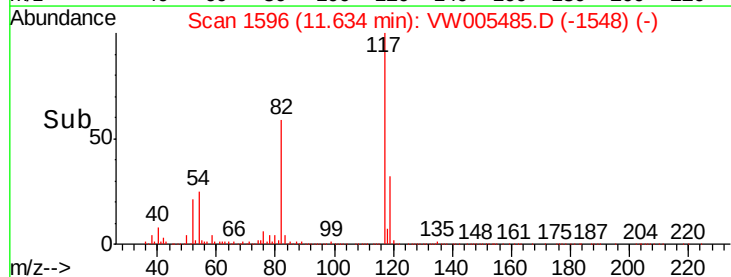
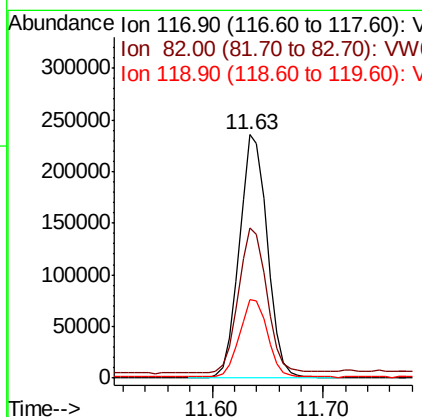
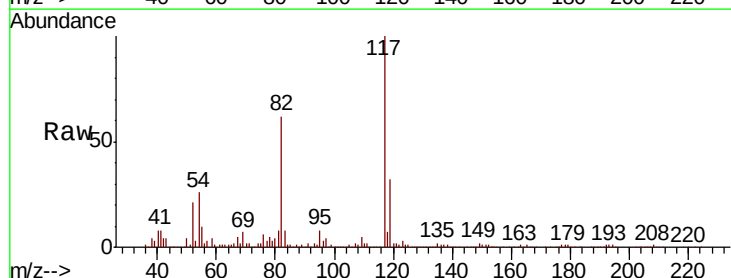
Instrument :
MSVOA_W
ClientSampleId :
RB48380RT

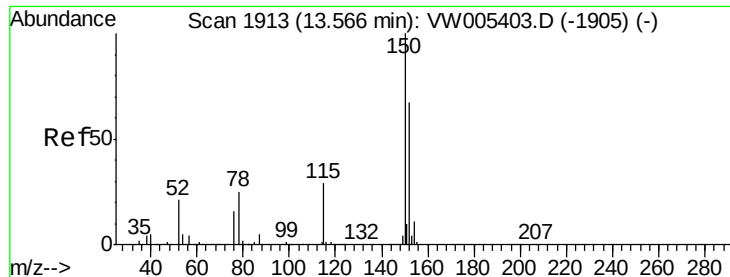
Tgt Ion: 95 Resp: 155652
Ion Ratio Lower Upper
95 100
174 73.9 0.0 161.2
176 71.9 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005485.D
Acq: 18 Sep 2018 17:56

Tgt Ion: 117 Resp: 408203
Ion Ratio Lower Upper
117 100
82 59.4 45.9 68.9
119 31.9 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: VW005485.D

Acq: 18 Sep 2018 17:56

Instrument :

MSVOA_W

ClientSampled :

RB48380RT

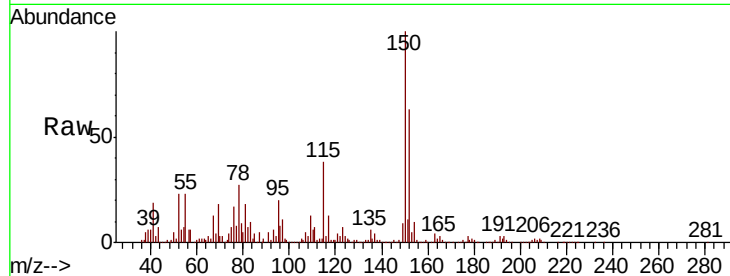
Tgt Ion: 152 Resp: 172555

Ion Ratio Lower Upper

152 100

115 60.0 29.5 88.5

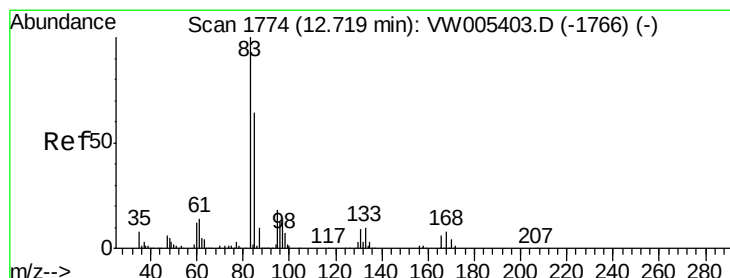
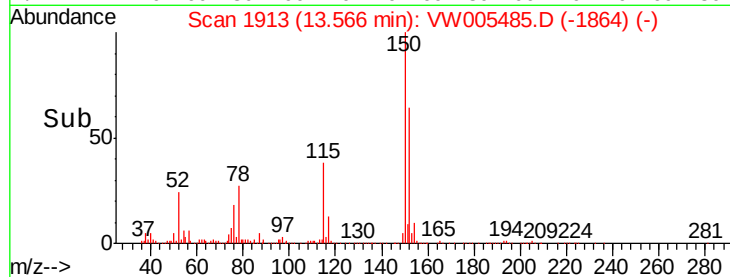
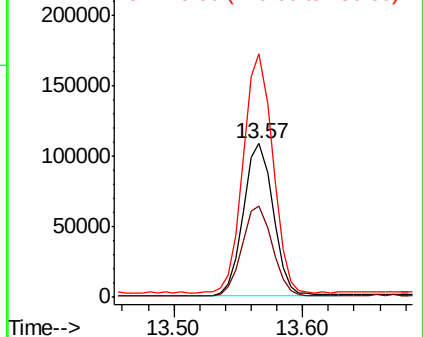
150 154.2 0.0 345.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: 16.368 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

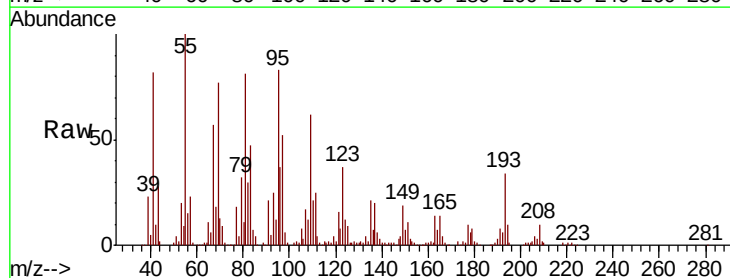
Tgt Ion: 83 Resp: 28907

Ion Ratio Lower Upper

83 100

131 0.5 5.7 17.1#

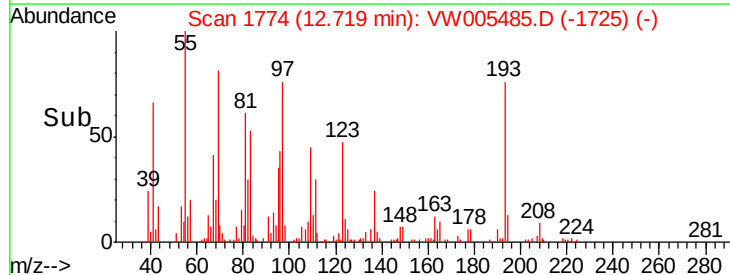
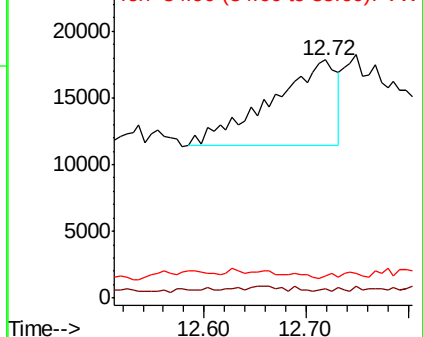
85 0.7 31.6 95.0#

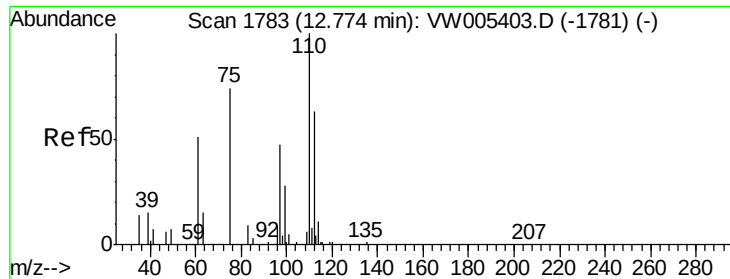


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 52.677 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

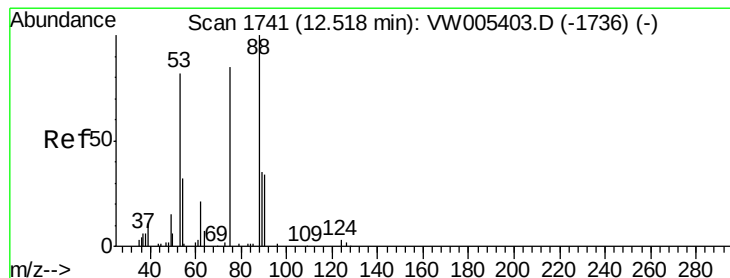
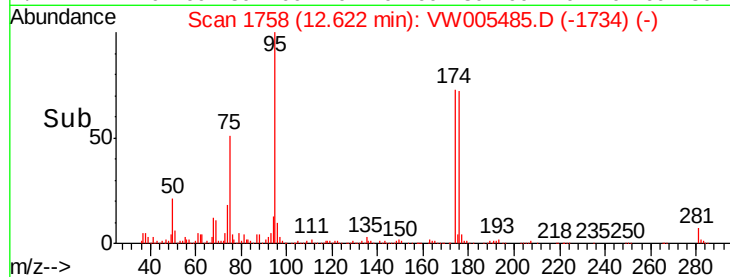
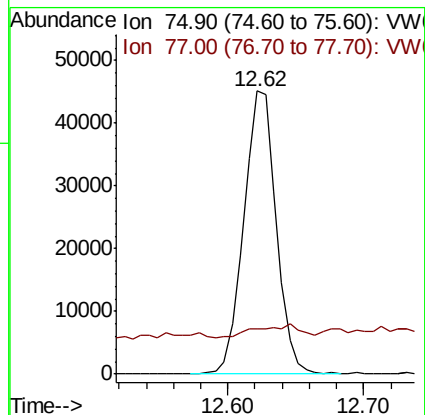
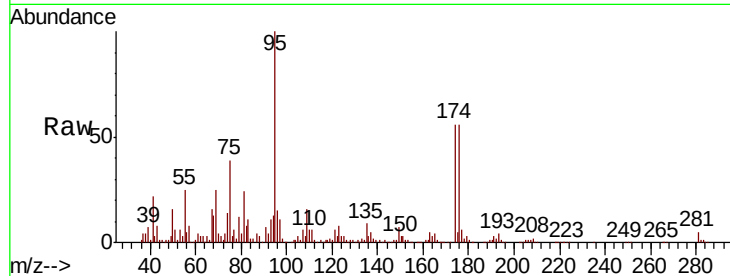
RB48380RT

Tgt Ion: 75 Resp: 74761

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 136.648 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005485.D

Acq: 18 Sep 2018 17:56

Tgt Ion: 75 Resp: 74761

Ion Ratio Lower Upper

75 100

53 1.8 83.2 124.8#

89 0.6 36.6 54.8#

