

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005457.D
 Acq On : 18 Sep 2018 03:45
 Operator : SY/AP
 Sample : J4950-01
 Misc : 4.93G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB32734RT

Quant Time: Sep 18 06:04:35 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	296171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	493041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	462084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	212742	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	130056	42.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.60%	
35) Dibromofluoromethane	7.90	113	103169	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	
50) Toluene-d8	10.33	98	444422	35.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.22%	
62) 4-Bromofluorobenzene	12.62	95	172312	37.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.24%	

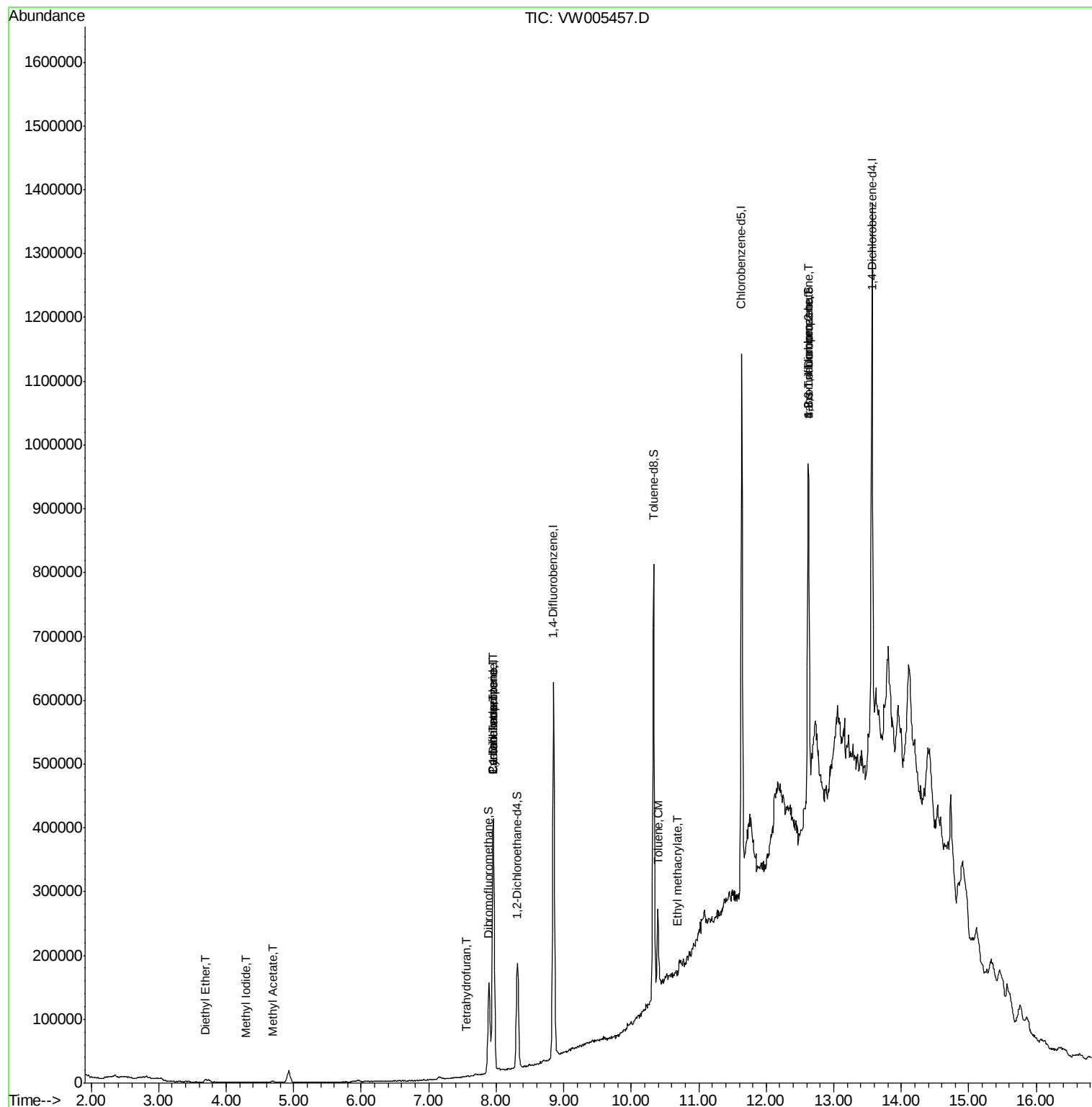
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	459	Below Cal		81
5) Bromomethane	2.77	94	365	Below Cal	#	35
8) Diethyl Ether	3.68	74	1957	1.518	ug/l	87
10) Methyl Iodide	4.29	142	274	4.129	ug/l #	66
11) Tert butyl alcohol	5.23	59	144	Below Cal	#	71
13) Acrolein	3.99	56	21	Below Cal	#	1
16) Acetone	4.14	43	314	Below Cal	#	59
18) Methyl Acetate	4.68	43	4279	2.897	ug/l	95
20) Methylene Chloride	4.92	84	13520	Below Cal		93
29) Tetrahydrofuran	7.56	42	574	1.218	ug/l #	78
31) Cyclohexane	7.96	56	6810	1.388	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	22993	4.928	ug/l #	57
38) Carbon Tetrachloride	7.96	117	29268	6.019	ug/l #	17
52) Toluene	10.40	92	48452	5.293	ug/l	98
56) Ethyl methacrylate	10.68	69	4161	1.392	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	85586	48.913	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85586	126.884	ug/l #	9

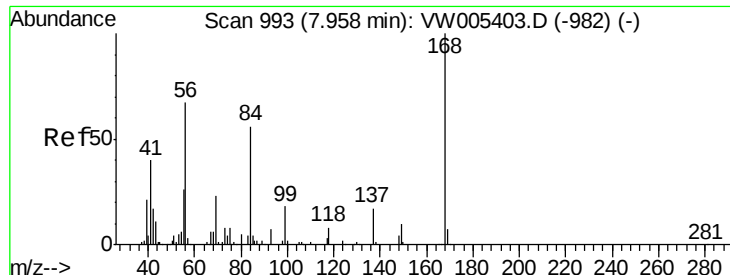
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
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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: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

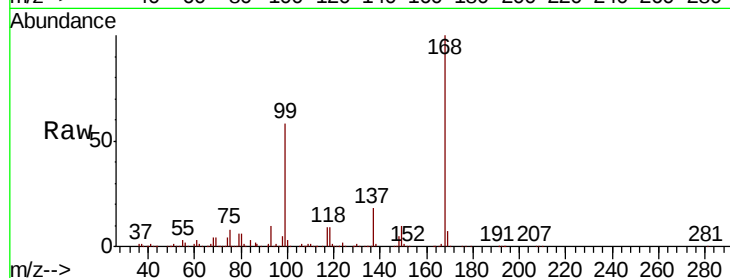
RB32734RT

Tgt Ion:168 Resp: 296171

Ion Ratio Lower Upper

168 100

99 57.8 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

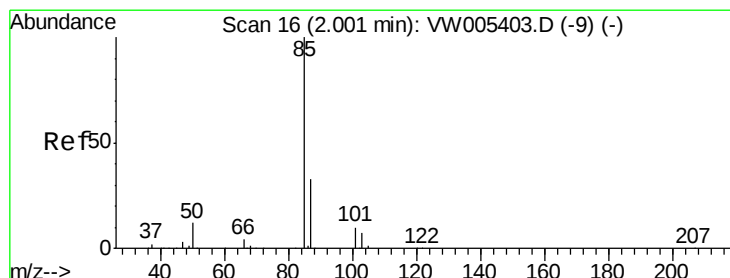
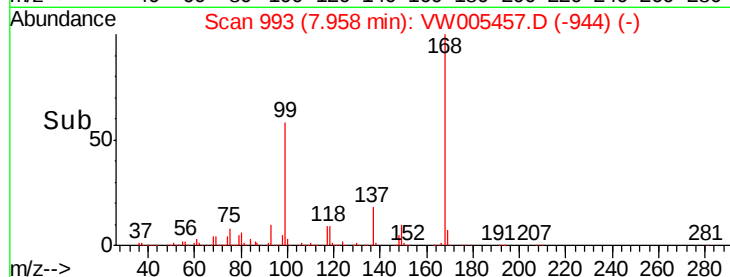
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005457.D

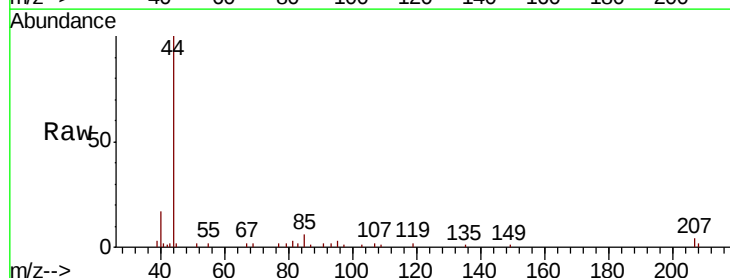
Acq: 18 Sep 2018 03:45

Tgt Ion: 85 Resp: 459

Ion Ratio Lower Upper

85 100

87 22.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

400

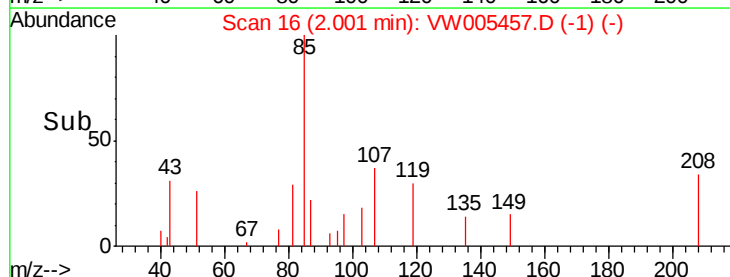
300

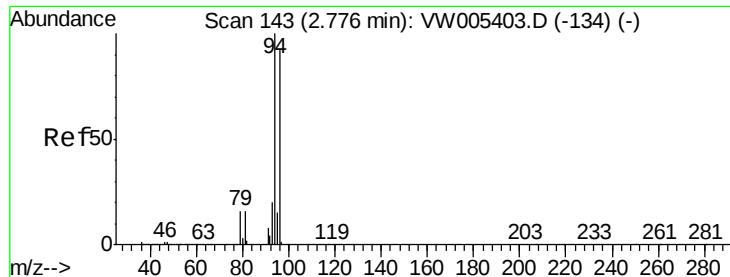
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampled :

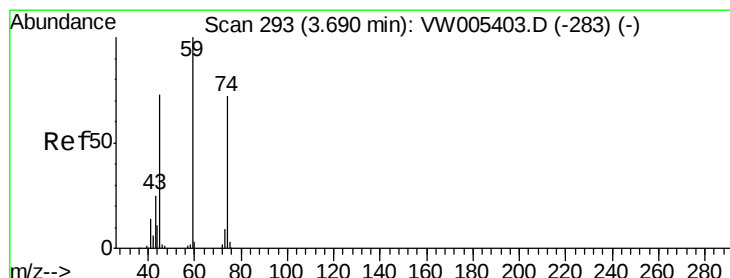
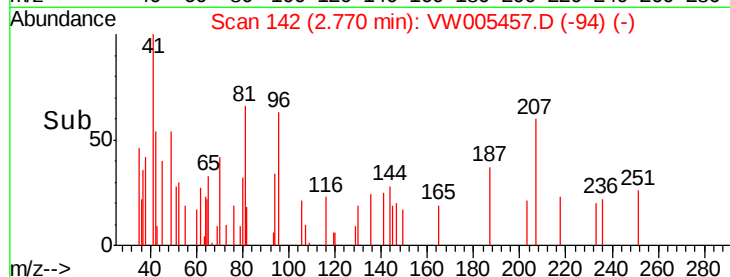
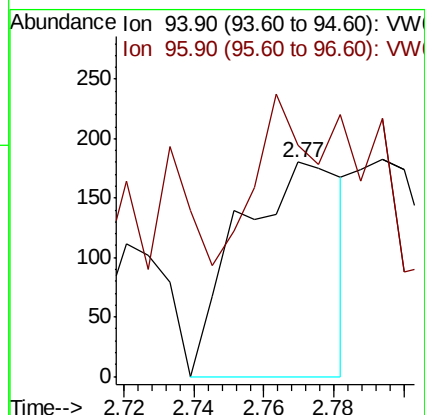
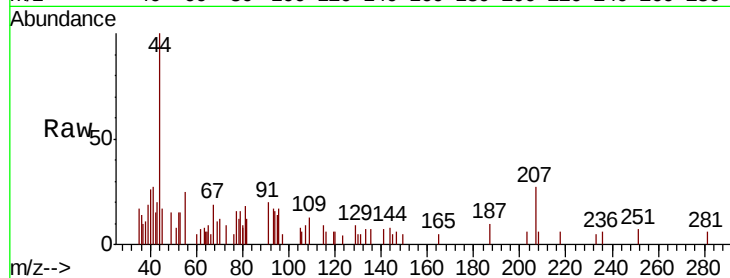
RB32734RT

Tgt Ion: 94 Resp: 365

Ion Ratio Lower Upper

94 100

96 30.0 73.7 110.5#



#8

Diethyl Ether

Concen: 1.518 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW005457.D

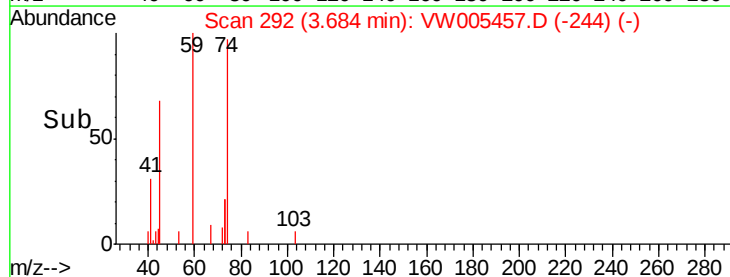
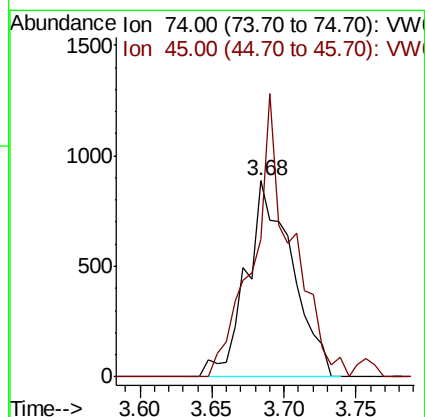
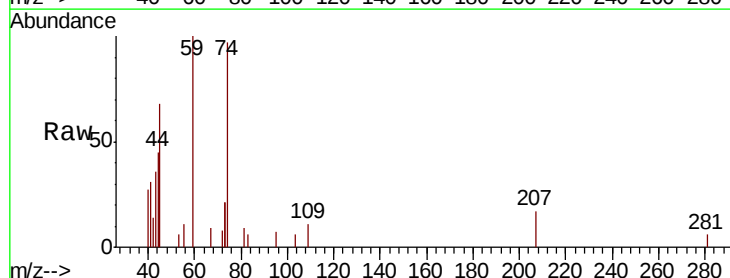
Acq: 18 Sep 2018 03:45

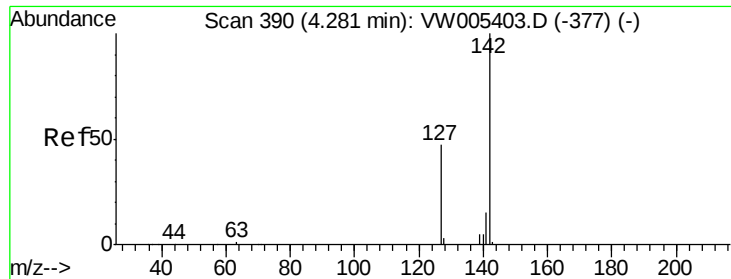
Tgt Ion: 74 Resp: 1957

Ion Ratio Lower Upper

74 100

45 119.8 53.1 159.3

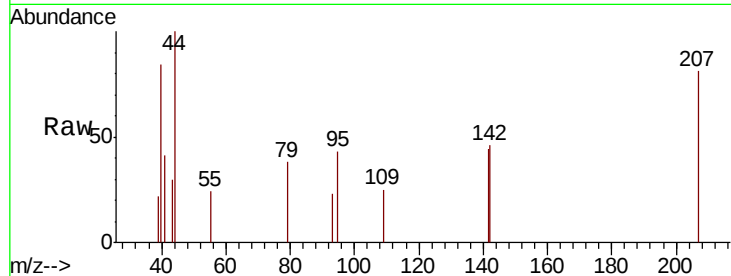




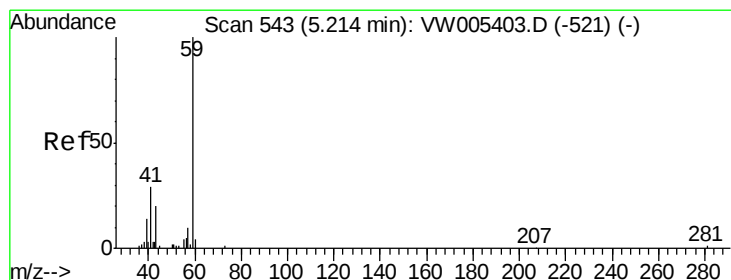
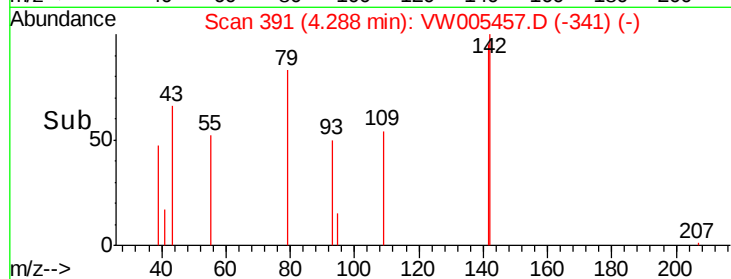
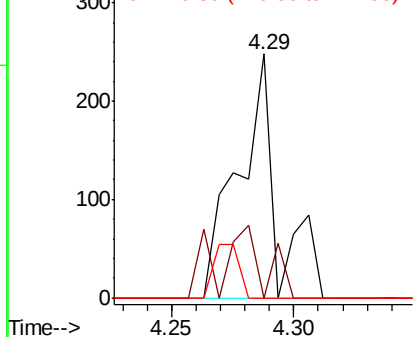
#10
Methyl Iodide
Concen: 4.129 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005457.D
Acq: 18 Sep 2018 03:45

Instrument :
MSVOA_W
ClientSampleId :
RB32734RT

Tgt Ion: 142 Resp: 274
Ion Ratio Lower Upper
142 100
127 24.8 37.5 56.3#
141 0.0 12.4 18.6#

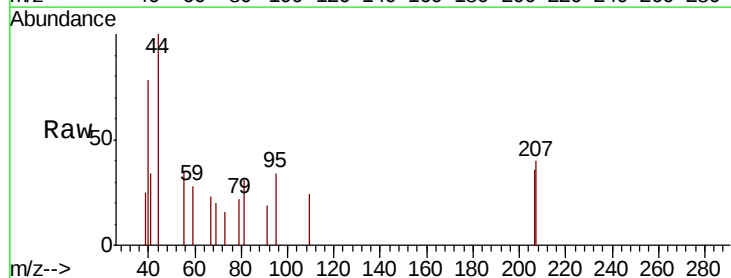


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

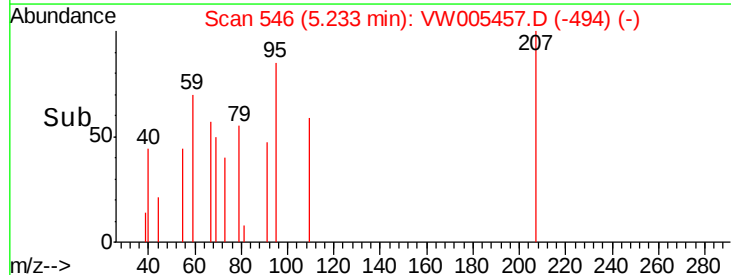
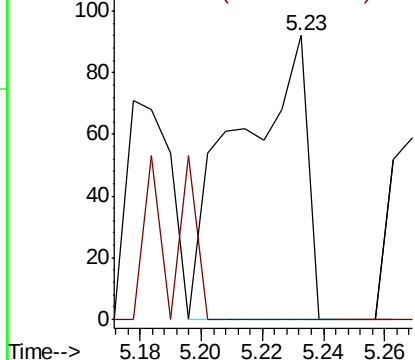


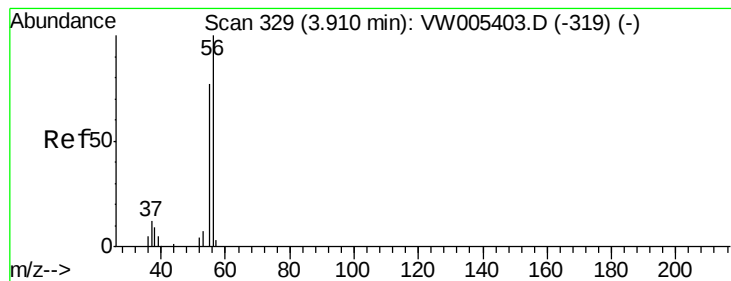
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 546
Delta R.T. 0.02 min
Lab File: VW005457.D
Acq: 18 Sep 2018 03:45

Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 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: 3.99 min Scan# 342

Delta R.T. 0.08 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampled :

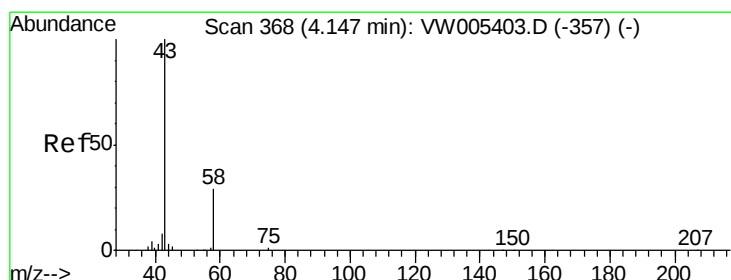
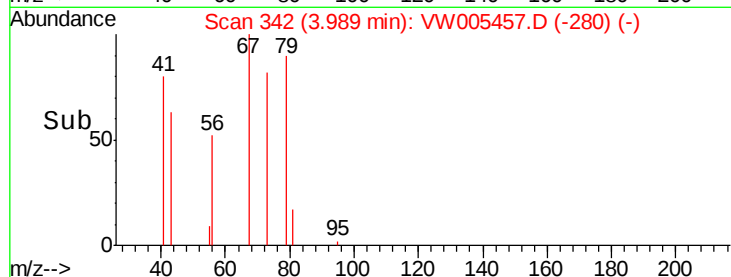
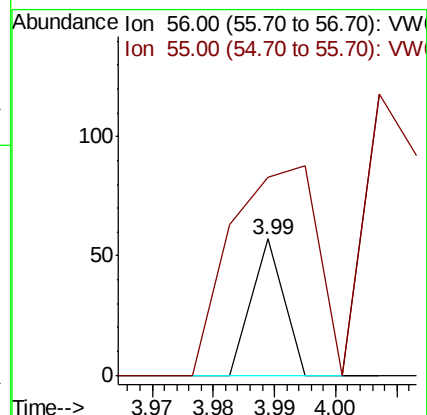
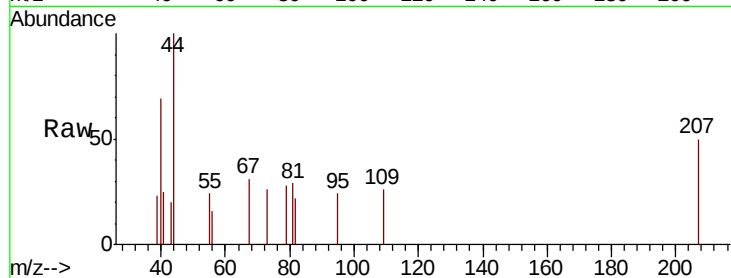
RB32734RT

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 409.5 59.8 89.8#



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW005457.D

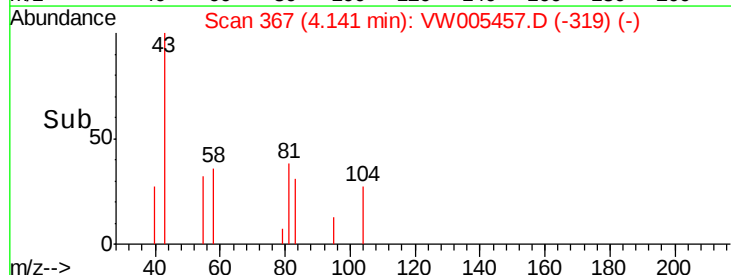
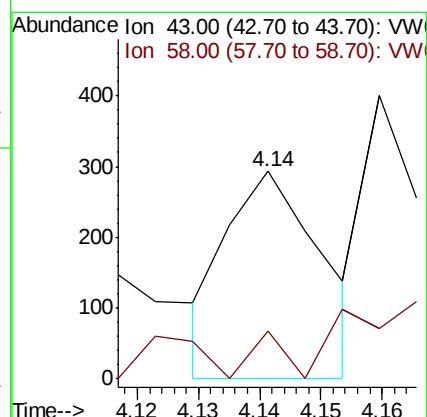
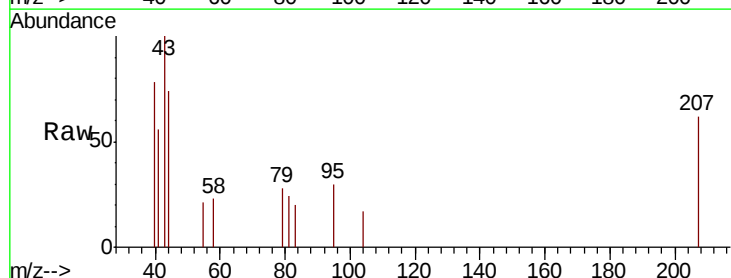
Acq: 18 Sep 2018 03:45

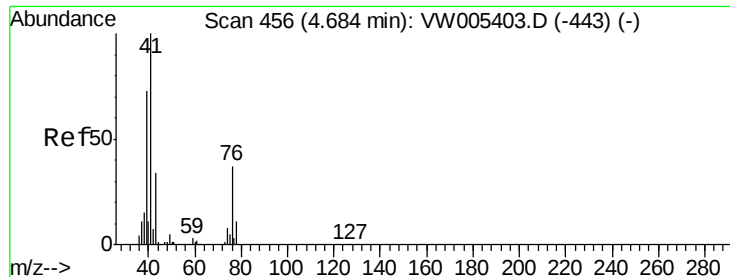
Tgt Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

58 7.0 22.8 34.2#

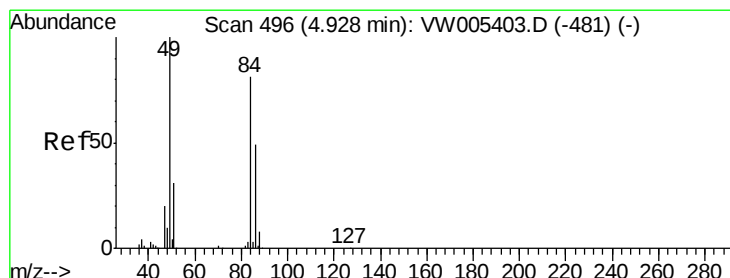
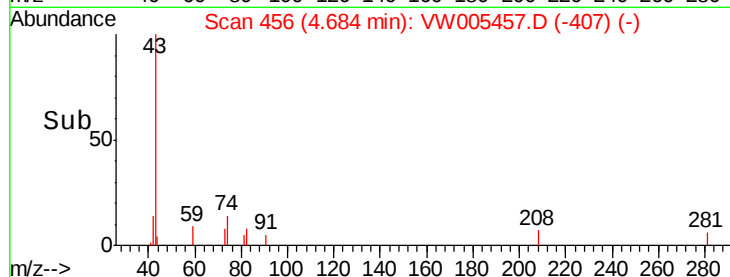
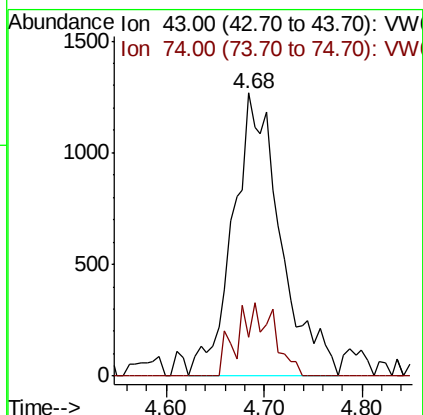
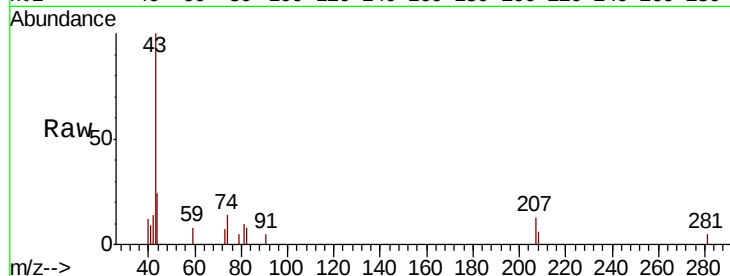




#18
Methyl Acetate
Concen: 2.897 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW005457.D
Acq: 18 Sep 2018 03:45

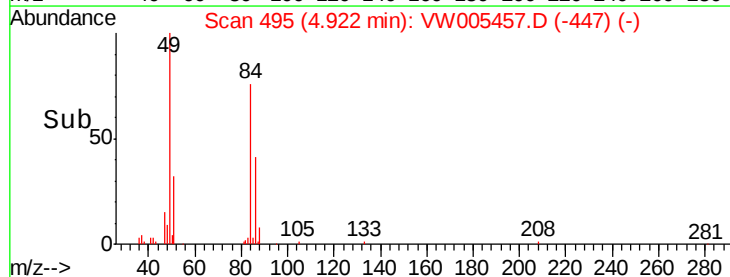
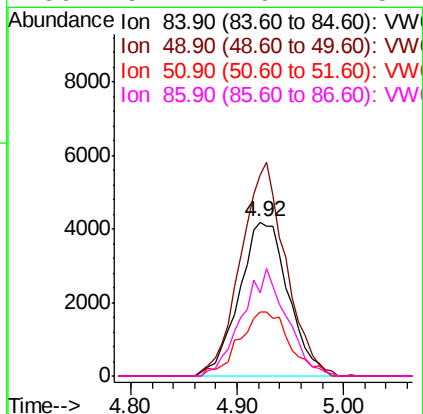
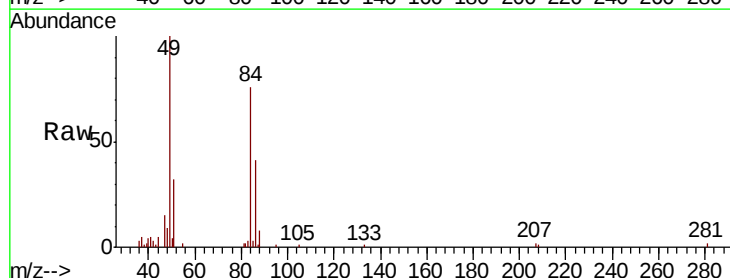
Instrument :
MSVOA_W
ClientSampleId :
RB32734RT

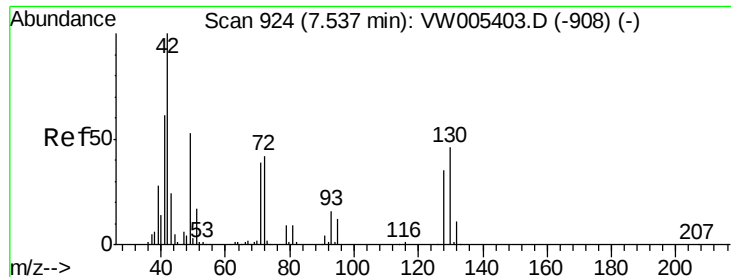
Tgt Ion: 43 Resp: 4279
Ion Ratio Lower Upper
43 100
74 19.7 17.7 26.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005457.D
Acq: 18 Sep 2018 03:45

Tgt Ion: 84 Resp: 13520
Ion Ratio Lower Upper
84 100
49 130.8 99.3 148.9
51 41.9 31.1 46.7
86 54.1 49.1 73.7





#29

Tetrahydrofuran

Concen: 1.218 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampled :

RB32734RT

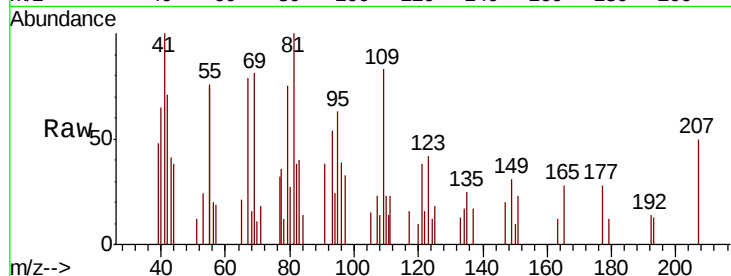
Tgt Ion: 42 Resp: 574

Ion Ratio Lower Upper

42 100

72 23.7 33.2 49.8#

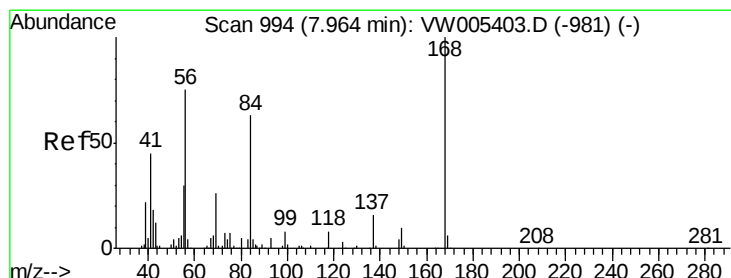
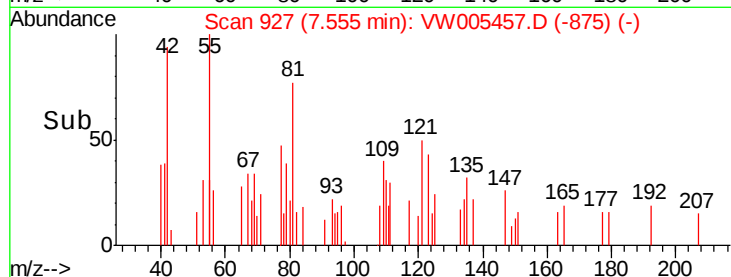
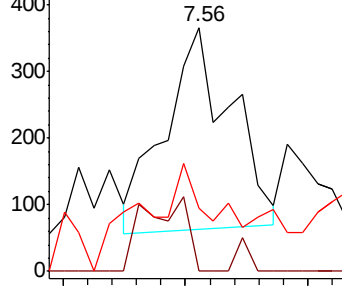
71 48.3 31.0 46.6#



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: 1.388 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

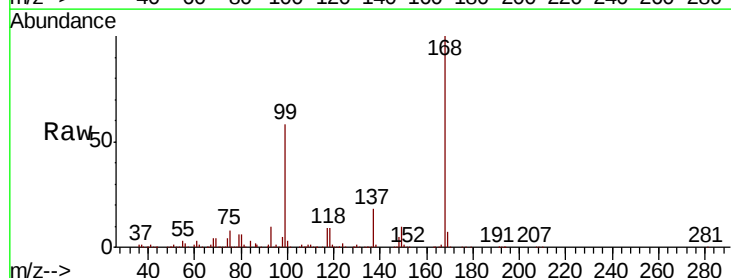
Tgt Ion: 56 Resp: 6810

Ion Ratio Lower Upper

56 100

69 167.9 27.2 40.8#

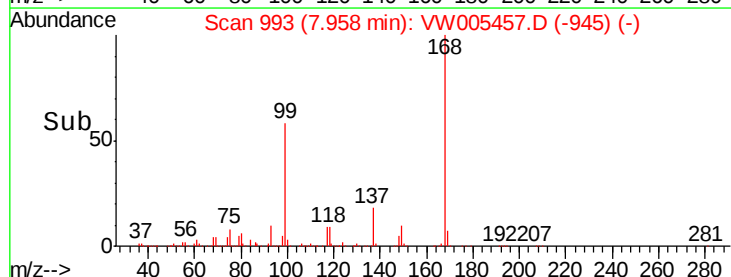
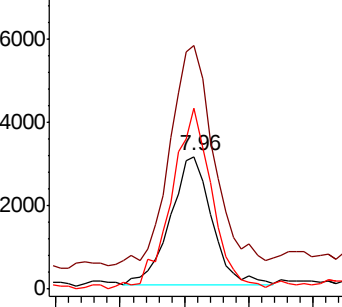
84 136.8 66.7 100.1#

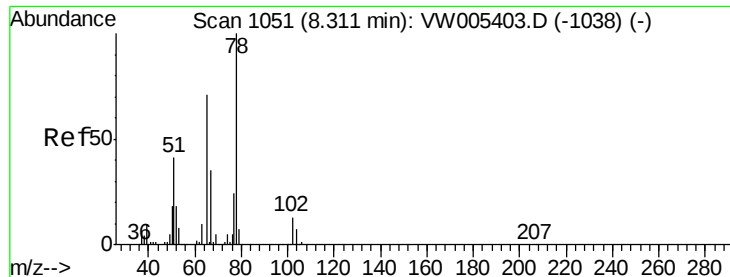


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 42.305 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

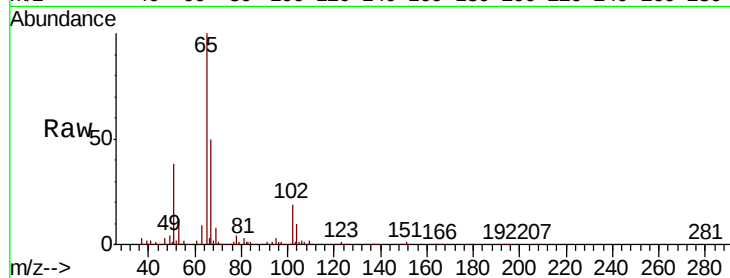
RB32734RT

Tgt Ion: 65 Resp: 130056

Ion Ratio Lower Upper

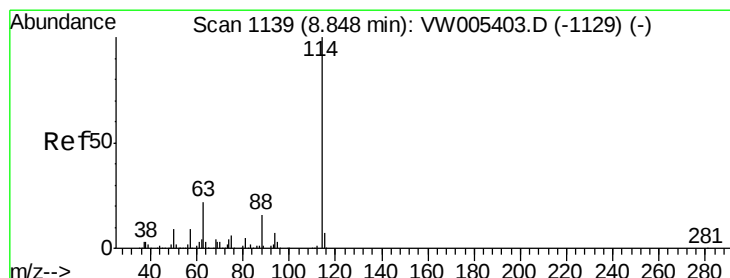
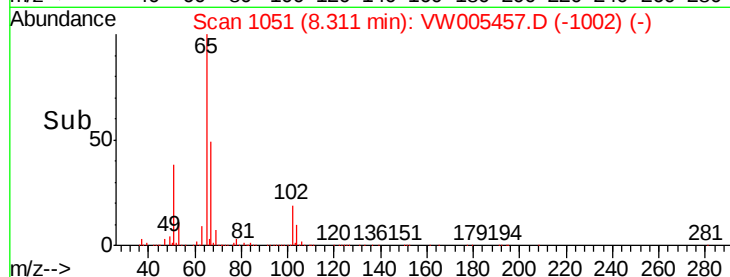
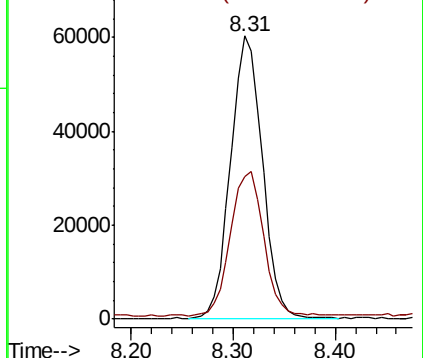
65 100

67 53.5 0.0 100.6



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# 1139

Delta R.T. 0.00 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

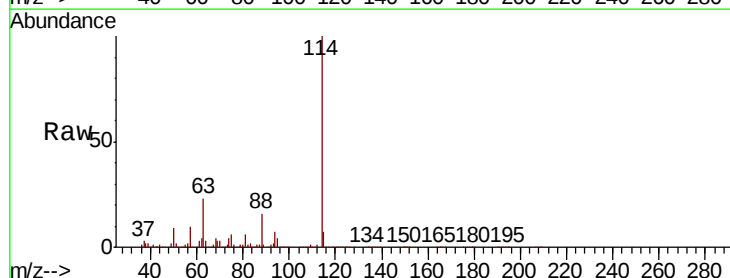
Tgt Ion: 114 Resp: 493041

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

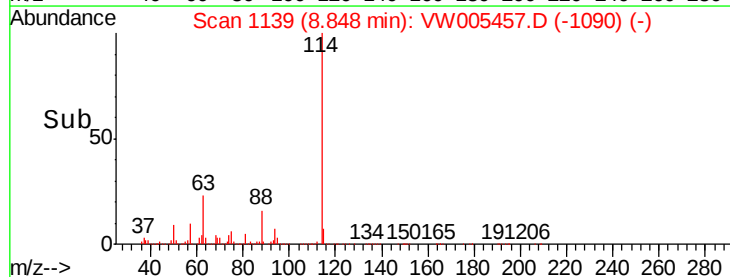
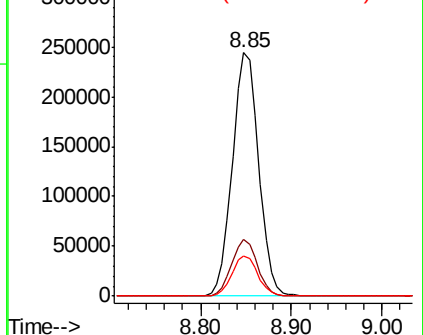
88 16.5 0.0 31.8

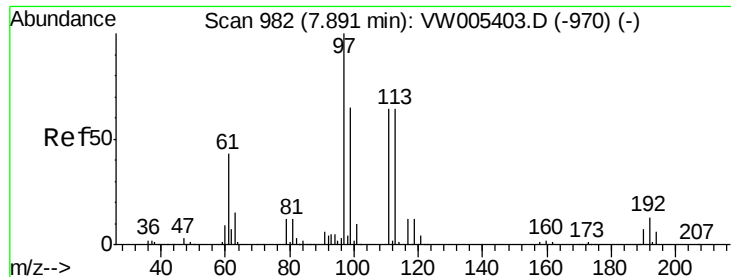


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

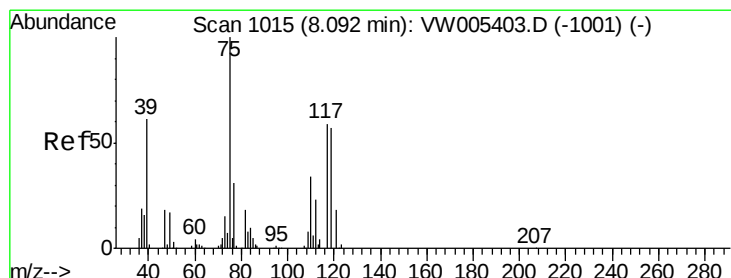
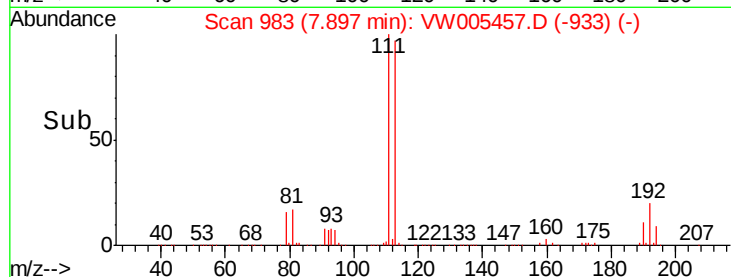
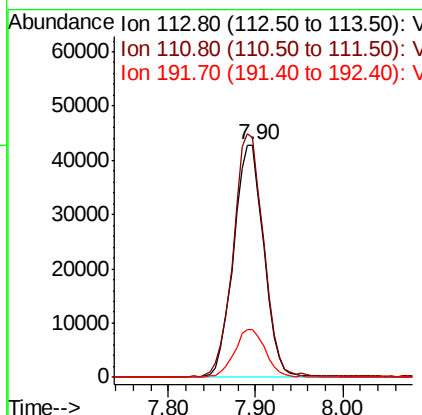
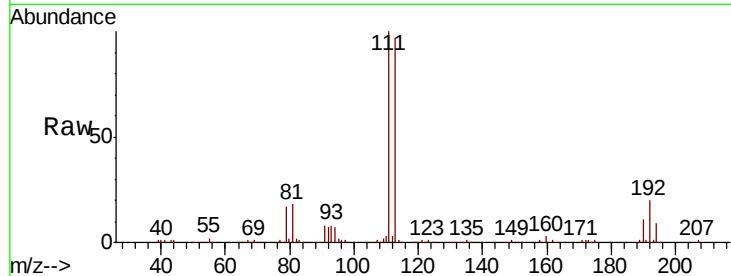




#35
 Dibromofluoromethane
 Concen: 37.320 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005457.D
 Acq: 18 Sep 2018 03:45

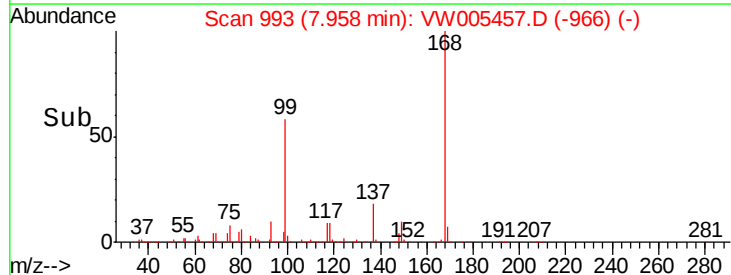
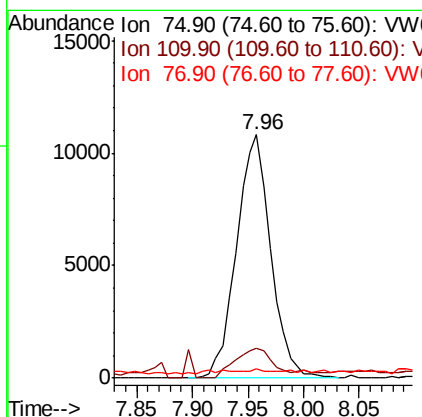
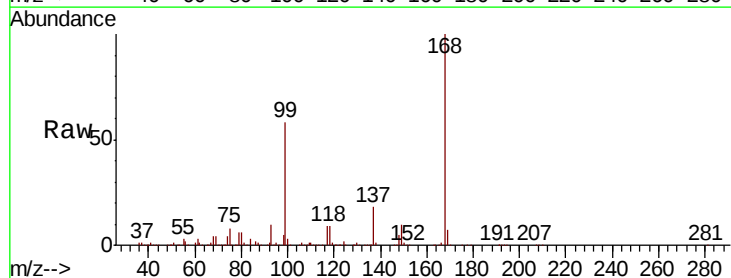
Instrument :
 MSVOA_W
 ClientSampleId :
 RB32734RT

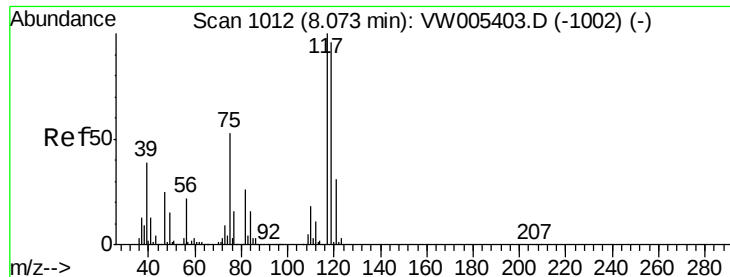
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.3	123.5
192	21.2	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005457.D
 Acq: 18 Sep 2018 03:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	15.4	16.8	50.4#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.019 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

RB32734RT

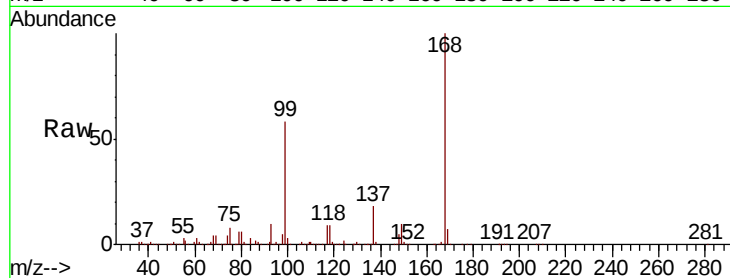
Tgt Ion:117 Resp: 29268

Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

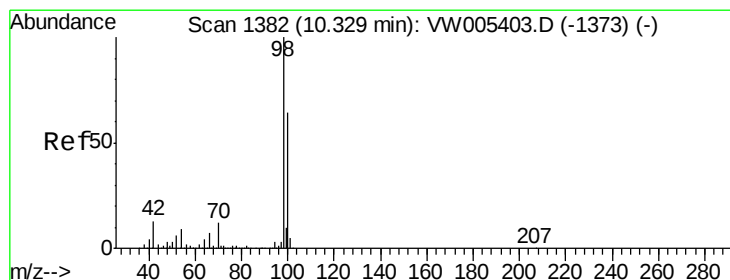
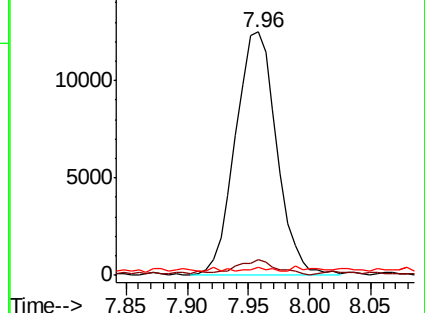
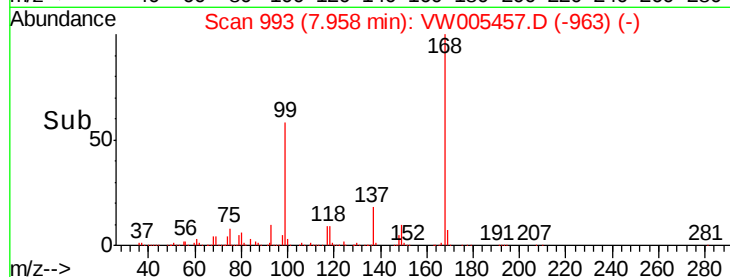
121 1.1 24.7 37.1#



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: 35.105 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005457.D

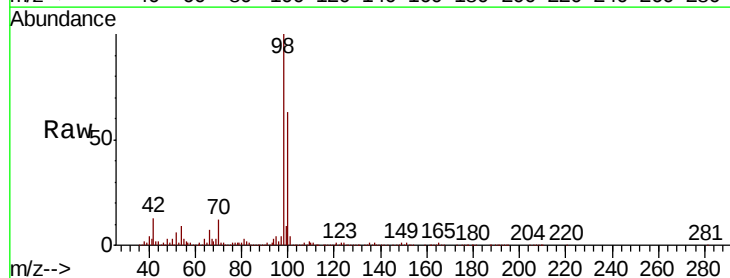
Acq: 18 Sep 2018 03:45

Tgt Ion: 98 Resp: 444422

Ion Ratio Lower Upper

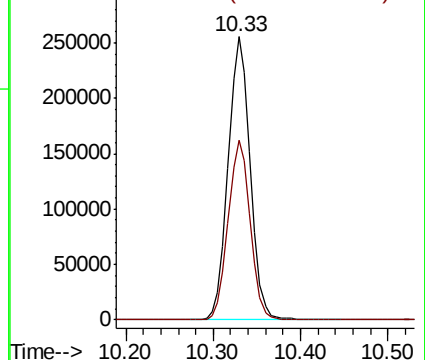
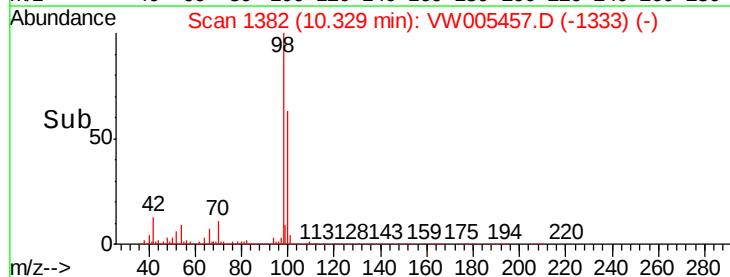
98 100

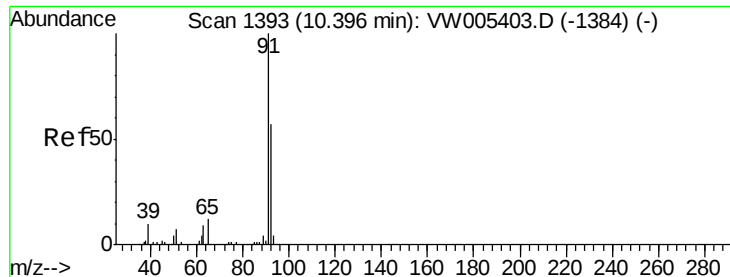
100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 5.293 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampled :

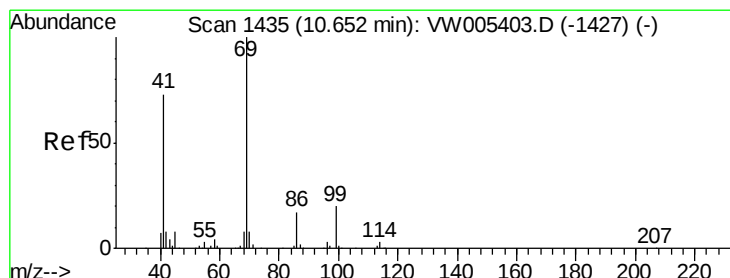
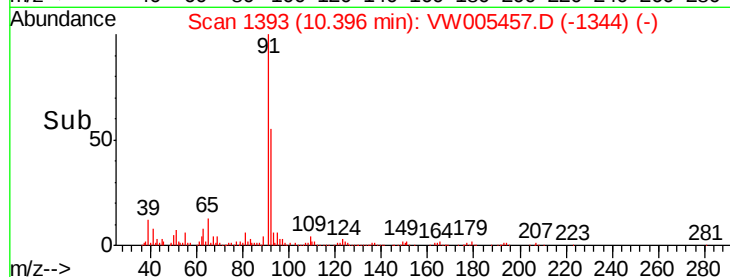
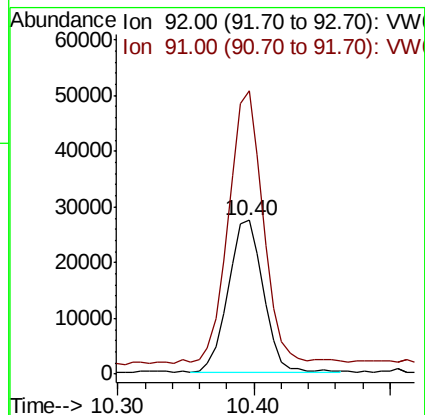
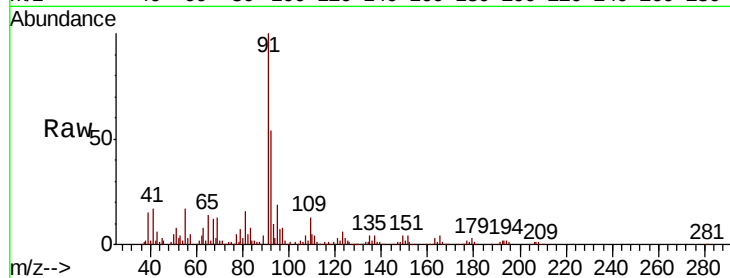
RB32734RT

Tgt Ion: 92 Resp: 48452

Ion Ratio Lower Upper

92 100

91 176.4 139.1 208.7



#56

Ethyl methacrylate

Concen: 1.392 ug/l

RT: 10.68 min Scan# 1440

Delta R.T. 0.03 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

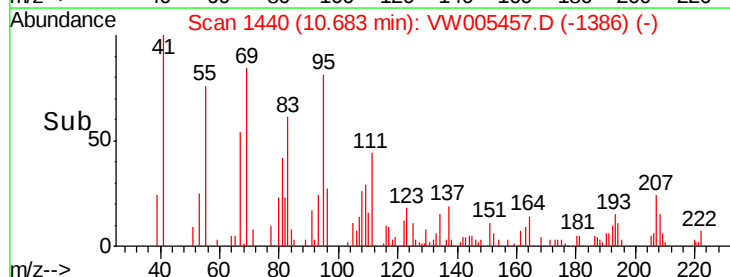
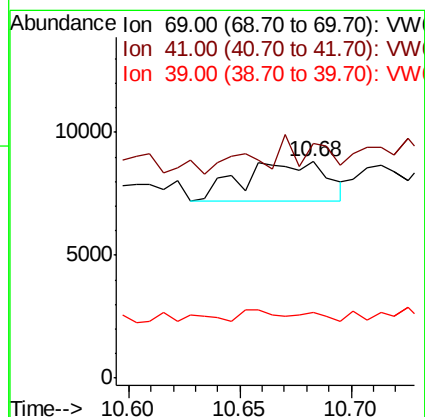
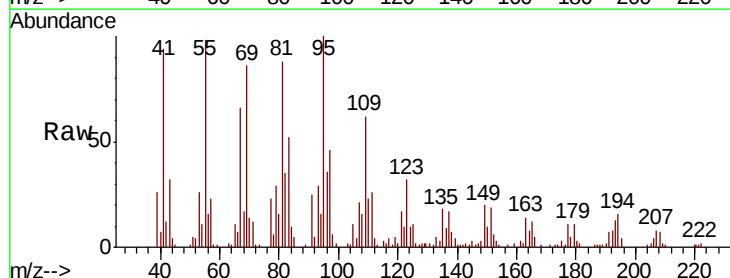
Tgt Ion: 69 Resp: 4161

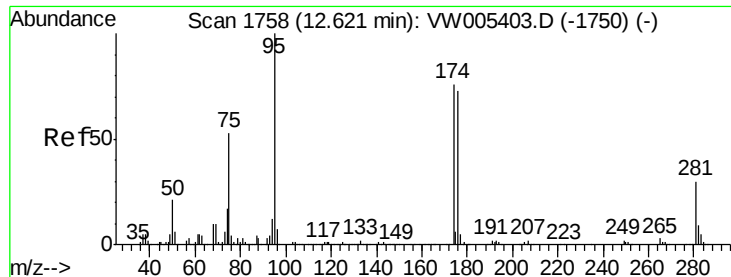
Ion Ratio Lower Upper

69 100

41 12.9 59.3 88.9#

39 0.0 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 37.121 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

RB32734RT

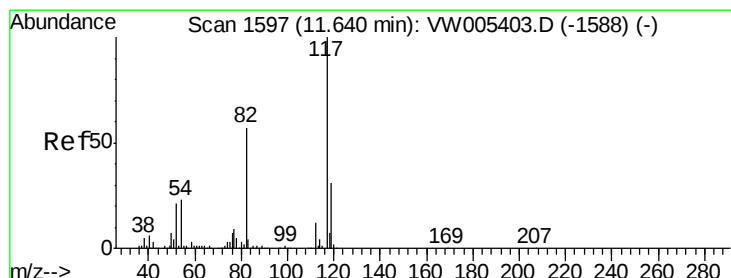
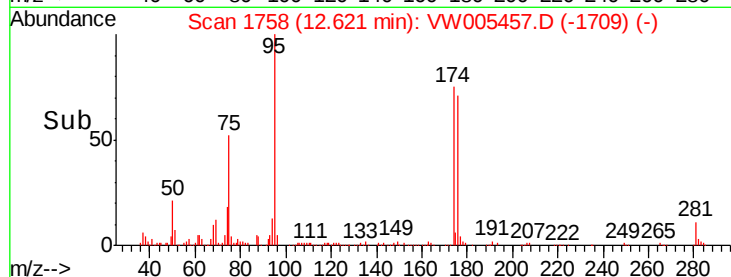
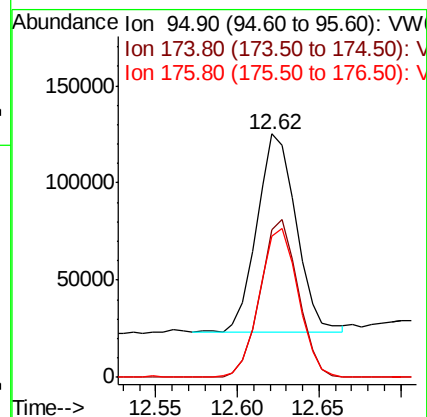
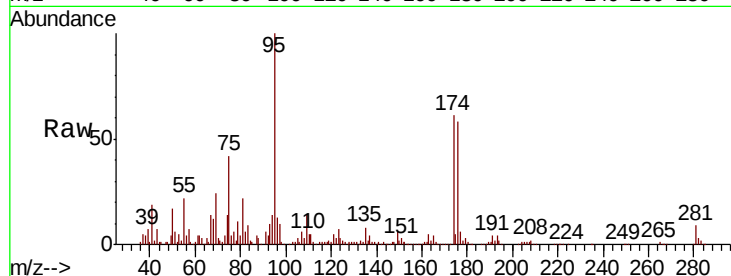
Tgt Ion: 95 Resp: 172312

Ion Ratio Lower Upper

95 100

174 76.4 0.0 161.2

176 73.7 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: VW005457.D

Acq: 18 Sep 2018 03:45

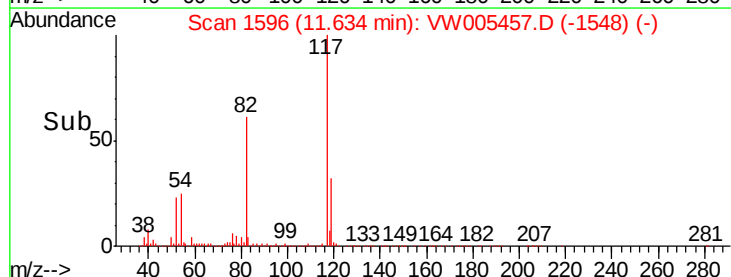
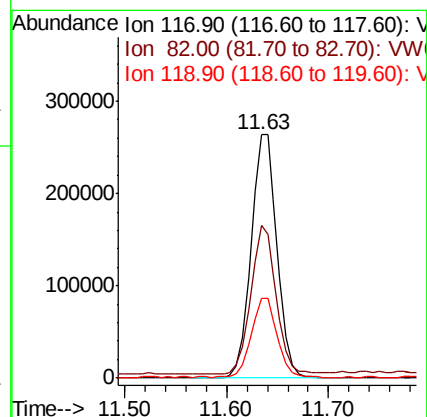
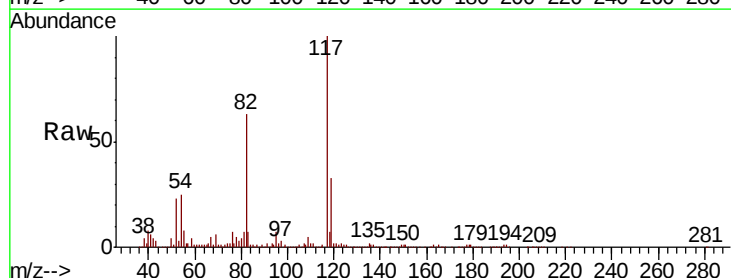
Tgt Ion: 117 Resp: 462084

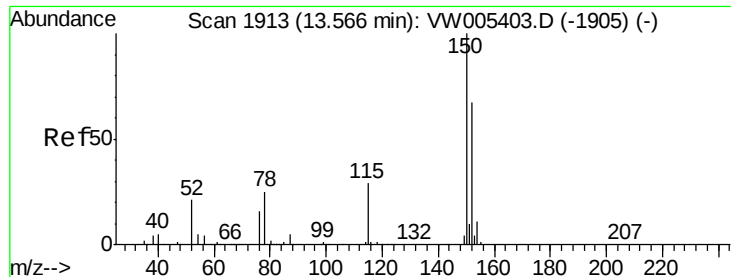
Ion Ratio Lower Upper

117 100

82 61.0 45.9 68.9

119 32.4 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: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

RB32734RT

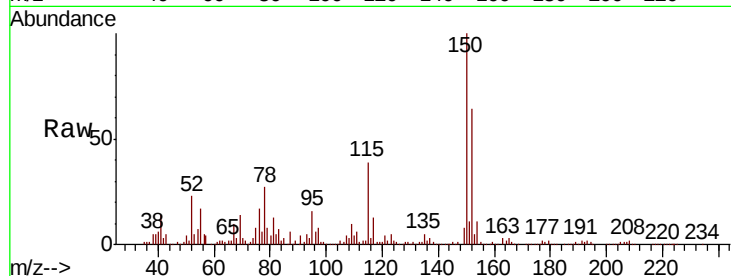
Tgt Ion:152 Resp: 212742

Ion Ratio Lower Upper

152 100

115 58.8 29.5 88.5

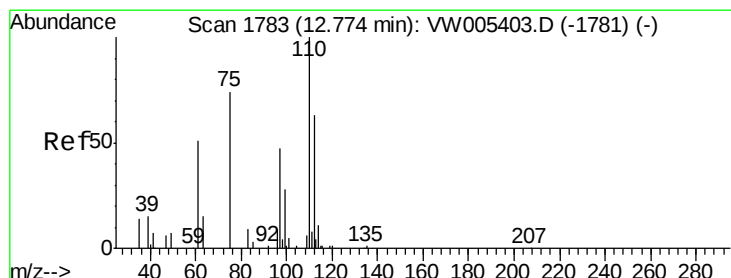
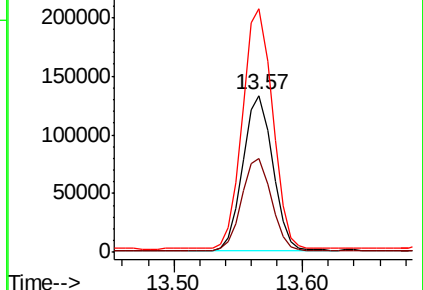
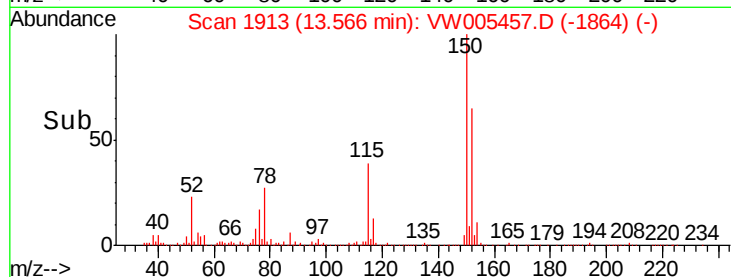
150 154.3 0.0 345.6



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: 48.913 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005457.D

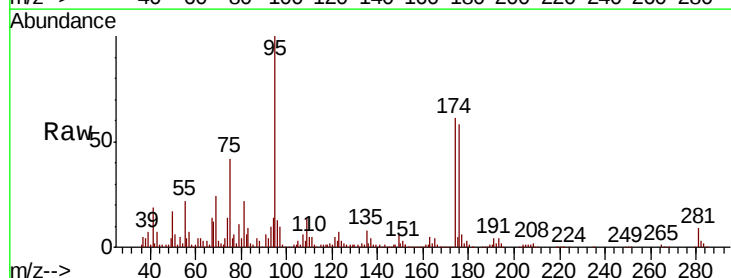
Acq: 18 Sep 2018 03:45

Tgt Ion: 75 Resp: 85586

Ion Ratio Lower Upper

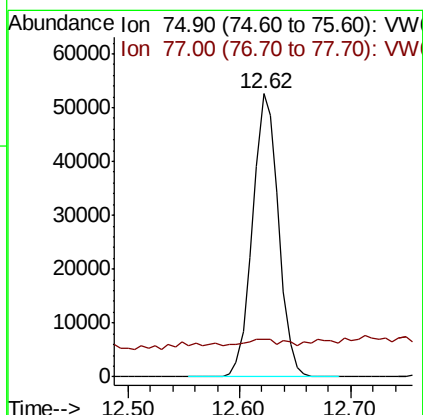
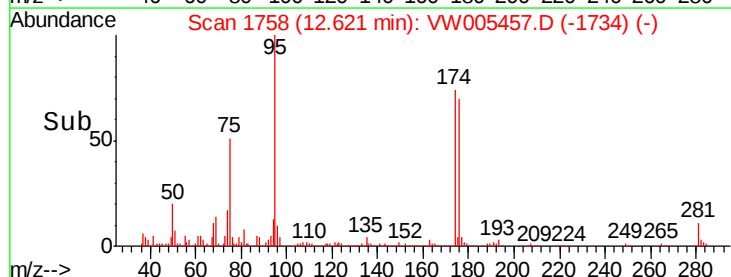
75 100

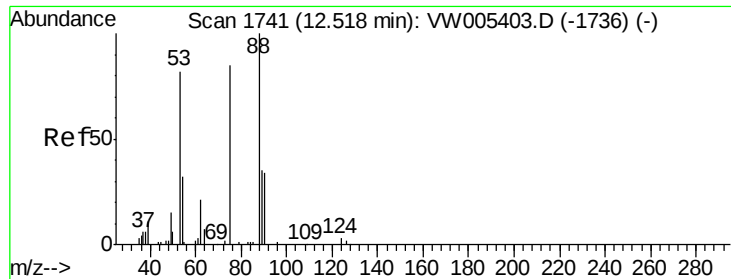
77 3.0 0.0 0.0#



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: 126.884 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005457.D

Acq: 18 Sep 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

RB32734RT

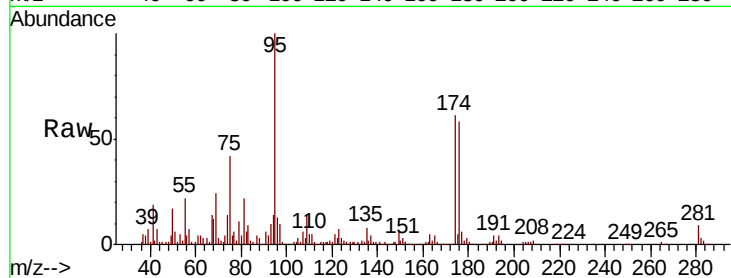
Tgt Ion: 75 Resp: 85586

Ion Ratio Lower Upper

75 100

53 0.9 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

