

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005496.D
 Acq On : 18 Sep 2018 22:35
 Operator : SY/AP
 Sample : J4929-09
 Misc : 6.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-11RE

Quant Time: Sep 19 06:02:08 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	161917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	256795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	247885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	105631	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	106634	63.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.90%	
35) Dibromofluoromethane	7.89	113	81353	56.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.00%	
50) Toluene-d8	10.33	98	331952	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.63	95	109811	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	

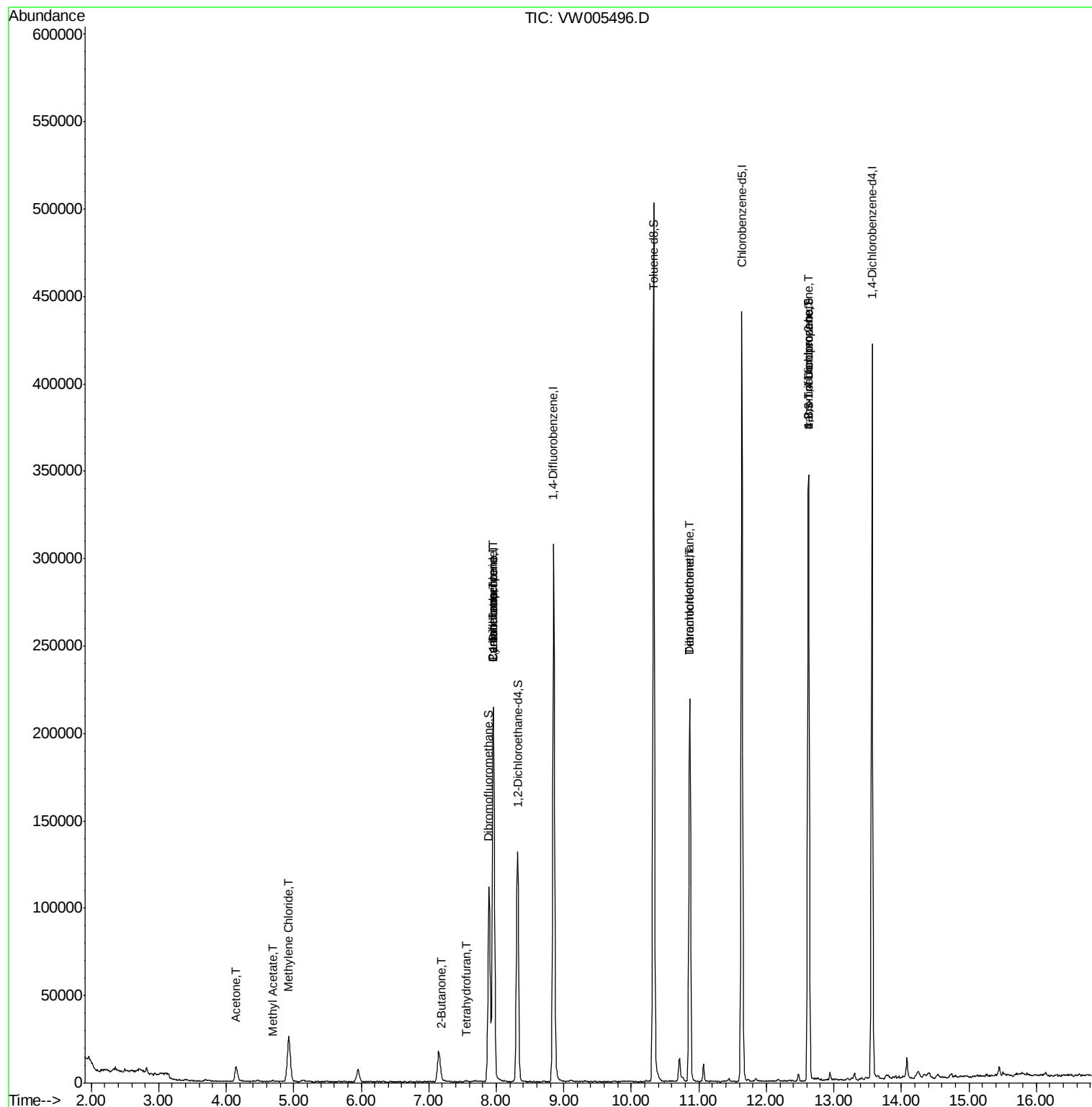
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	235	Below Cal	# 42
5) Bromomethane	2.78	94	443	Below Cal	# 67
11) Tert butyl alcohol	5.21	59	242	Below Cal	# 71
16) Acetone	4.14	43	15664	50.425	ug/l 97
18) Methyl Acetate	4.69	43	1225	1.517	ug/l # 73
20) Methylene Chloride	4.93	84	18618	6.129	ug/l # 83
25) 2-Butanone	7.19	43	1293	3.198	ug/l # 89
29) Tetrahydrofuran	7.55	42	672	2.609	ug/l # 78
31) Cyclohexane	7.96	56	3991	1.488	ug/l # 1
36) 1,1-Dichloropropene	7.96	75	12952	5.329	ug/l # 49
38) Carbon Tetrachloride	7.96	117	15946	6.297	ug/l # 18
60) Dibromochloromethane	10.87	129	40027	27.052	ug/l # 11
64) Tetrachloroethene	10.87	164	50344	27.480	ug/l 96
76) 1,2,3-Trichloropropane	12.62	75	56389	64.905	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	56389	168.368	ug/l # 8

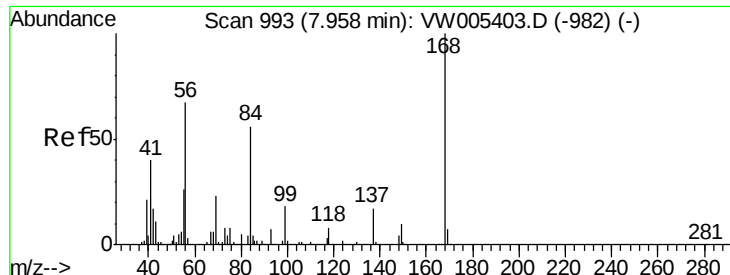
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

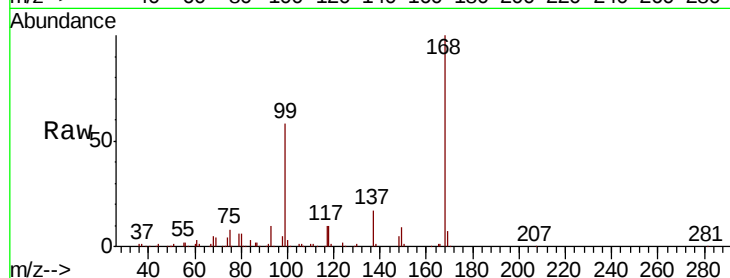
SP-PIT-11RE

Tgt Ion:168 Resp: 161917

Ion Ratio Lower Upper

168 100

99 57.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

80000

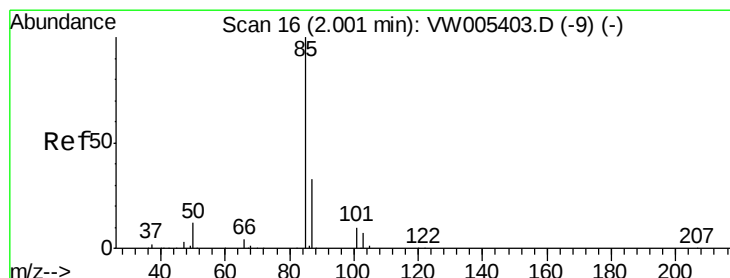
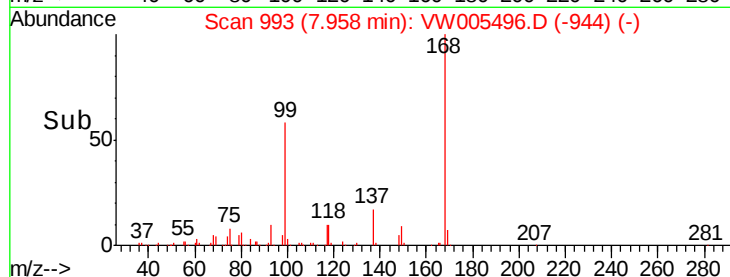
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW005496.D

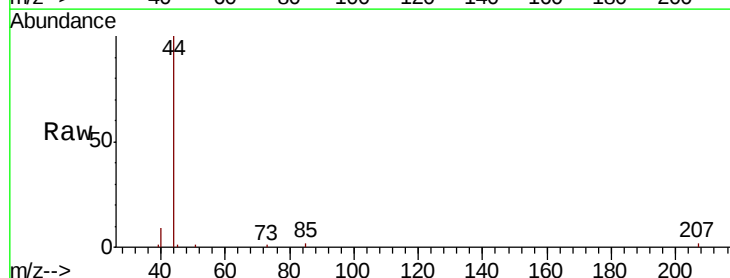
Acq: 18 Sep 2018 22:35

Tgt Ion: 85 Resp: 235

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

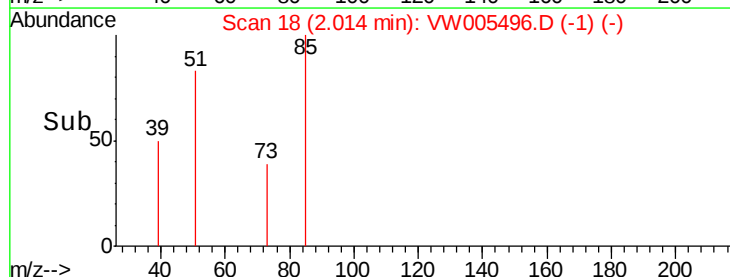
150

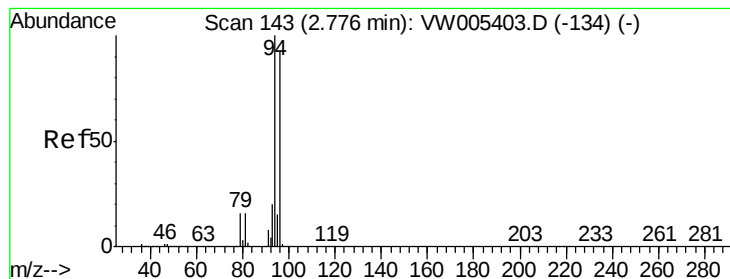
100

50

0

Time--> 1.95 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

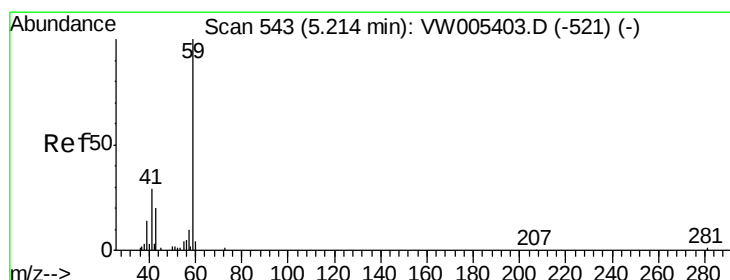
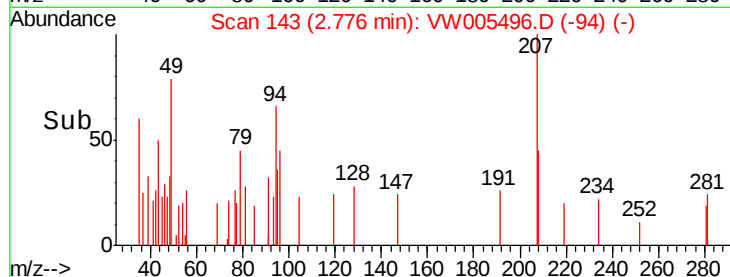
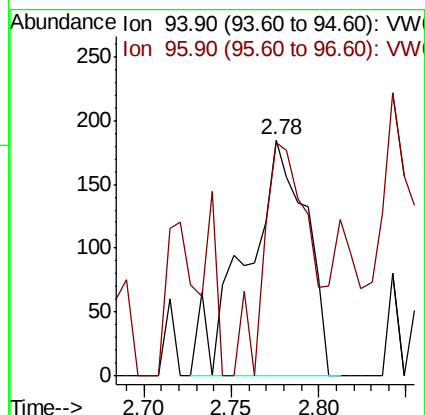
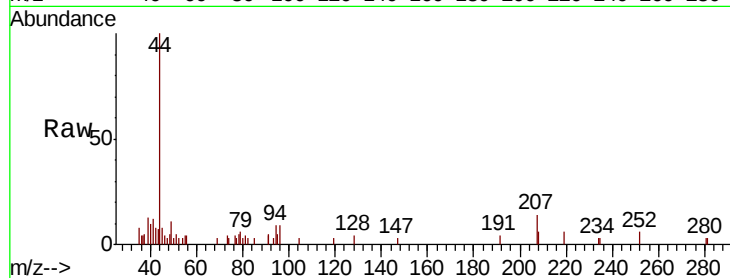
SP-PIT-11RE

Tgt Ion: 94 Resp: 443

Ion Ratio Lower Upper

94 100

96 60.5 73.7 110.5#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. -0.01 min

Lab File: VW005496.D

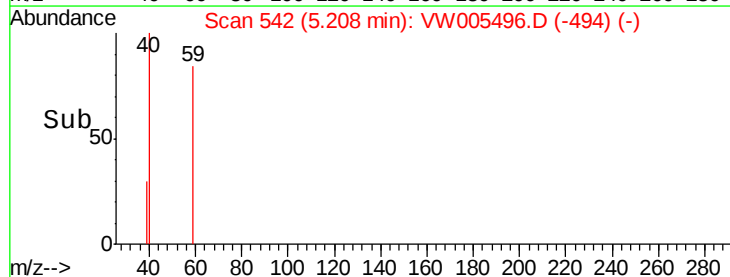
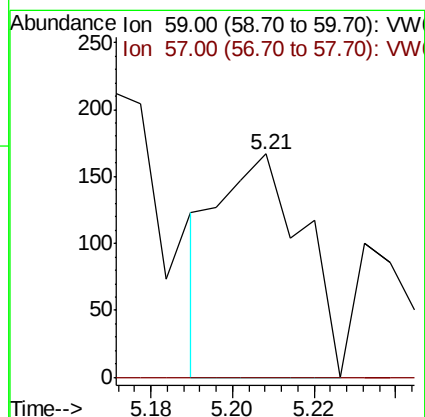
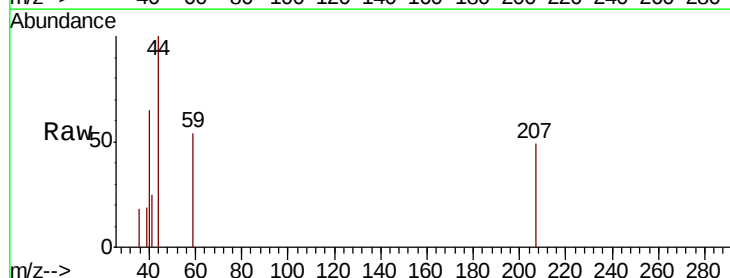
Acq: 18 Sep 2018 22:35

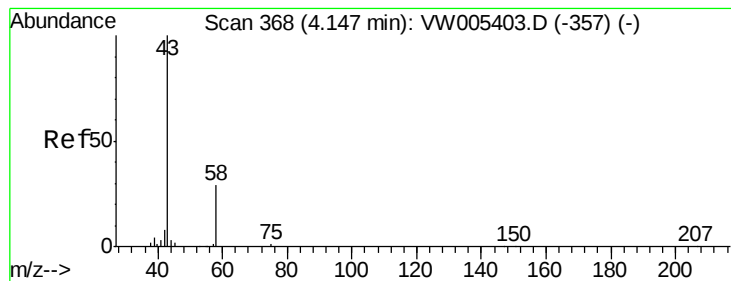
Tgt Ion: 59 Resp: 242

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#





#16

Acetone

Concen: 50.425 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

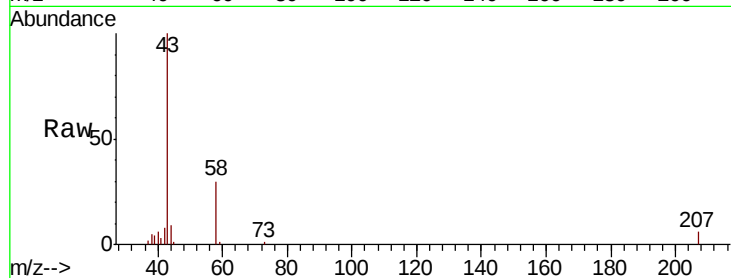
SP-PIT-11RE

Tgt Ion: 43 Resp: 15664

Ion Ratio Lower Upper

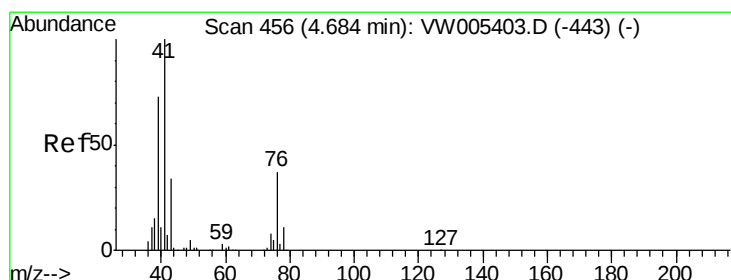
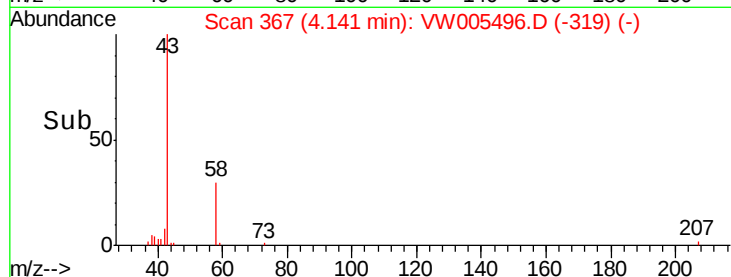
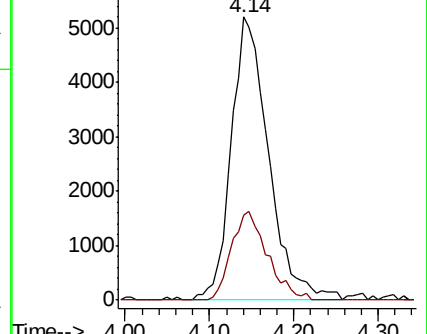
43 100

58 30.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.517 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW005496.D

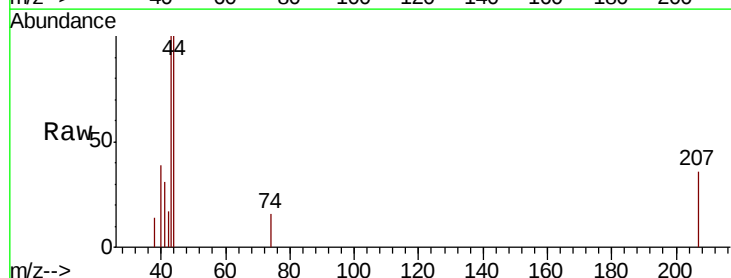
Acq: 18 Sep 2018 22:35

Tgt Ion: 43 Resp: 1225

Ion Ratio Lower Upper

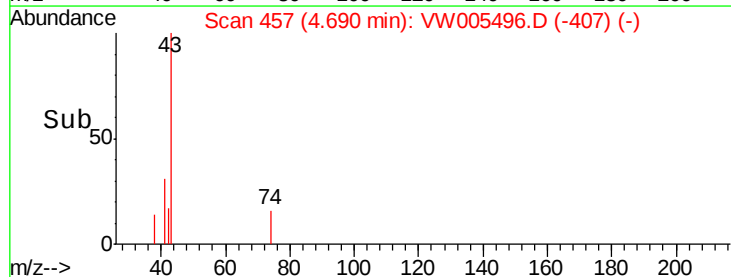
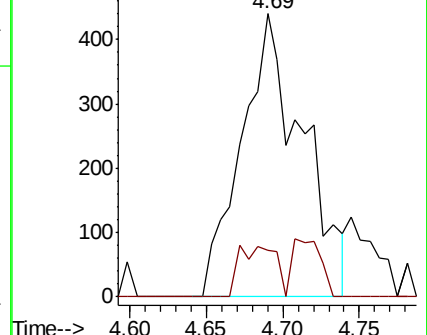
43 100

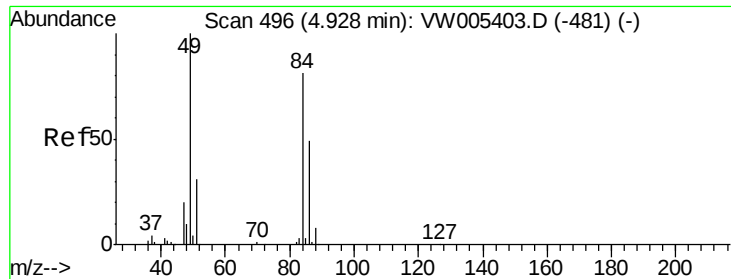
74 9.3 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

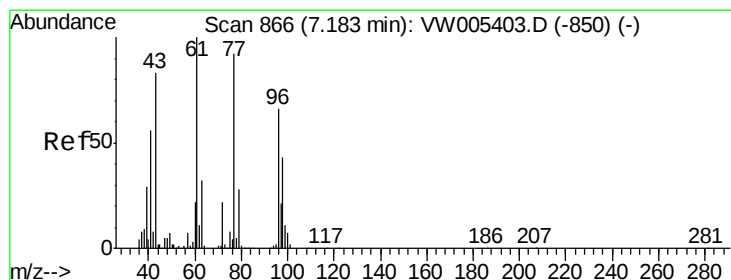
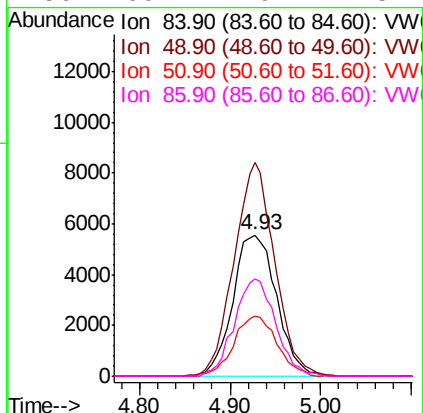
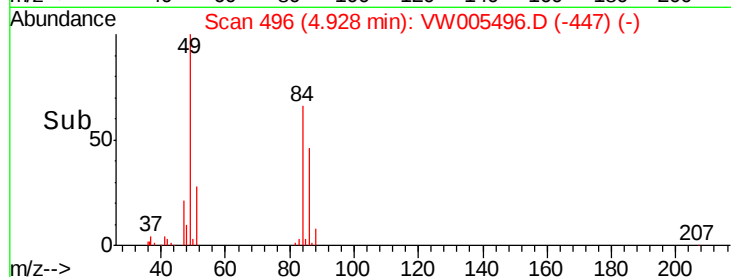
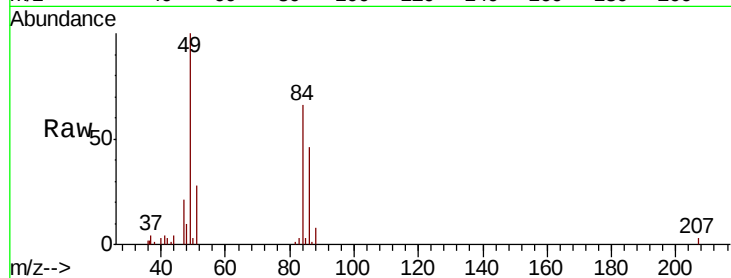




#20
Methylene Chloride
Concen: 6.129 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW005496.D
Acq: 18 Sep 2018 22:35

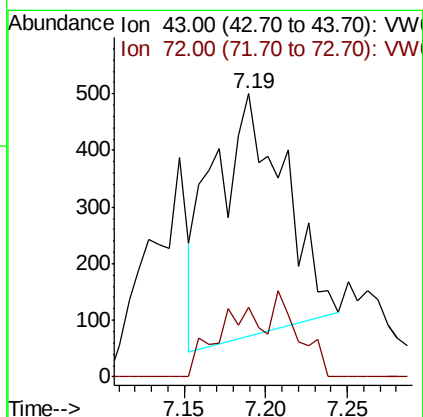
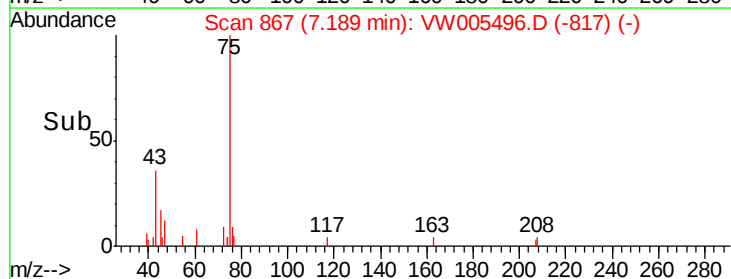
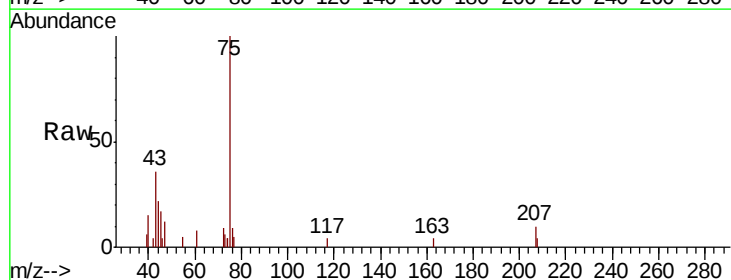
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-11RE

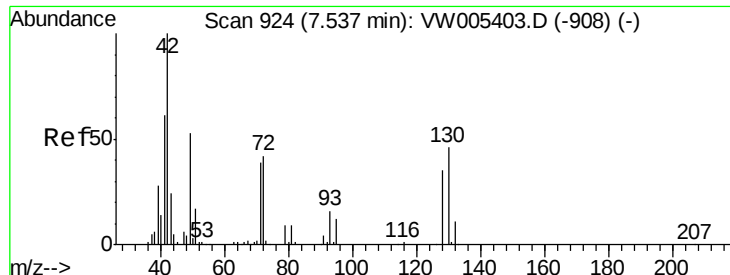
Tgt Ion: 84 Resp: 18618
Ion Ratio Lower Upper
84 100
49 151.3 99.3 148.9#
51 43.1 31.1 46.7
86 69.2 49.1 73.7



#25
2-Butanone
Concen: 3.198 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005496.D
Acq: 18 Sep 2018 22:35

Tgt Ion: 43 Resp: 1293
Ion Ratio Lower Upper
43 100
72 32.2 21.1 31.7#





#29

Tetrahydrofuran

Concen: 2.609 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampled :

SP-PIT-11RE

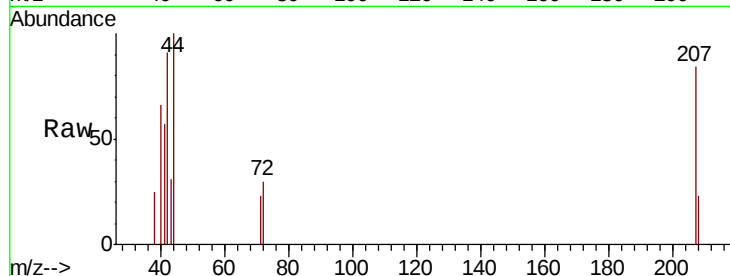
Tgt Ion: 42 Resp: 672

Ion Ratio Lower Upper

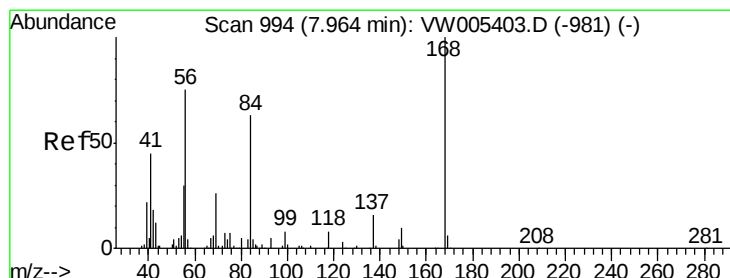
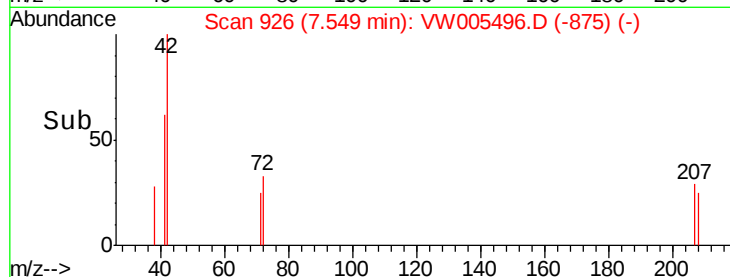
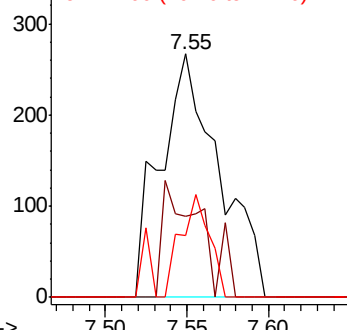
42 100

72 31.5 33.2 49.8#

71 20.8 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: 1.488 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

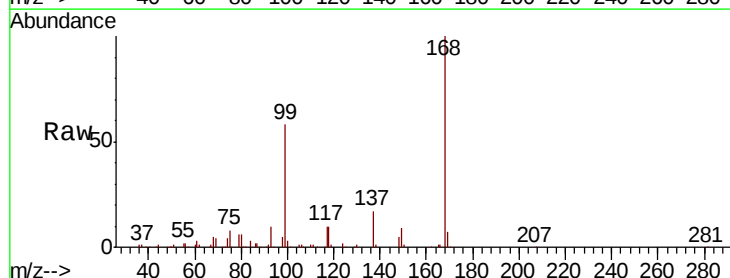
Tgt Ion: 56 Resp: 3991

Ion Ratio Lower Upper

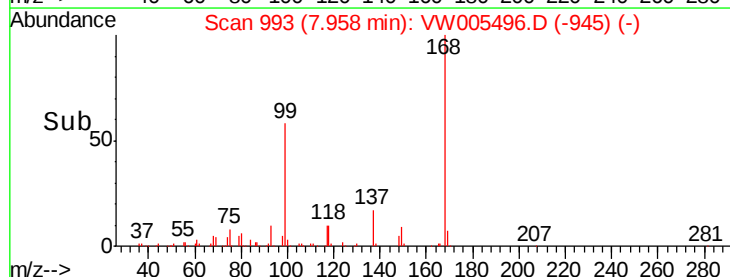
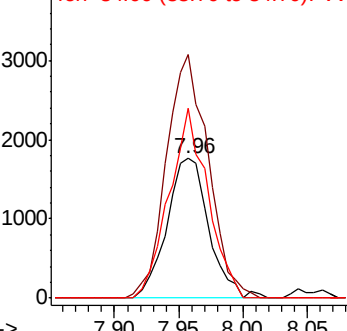
56 100

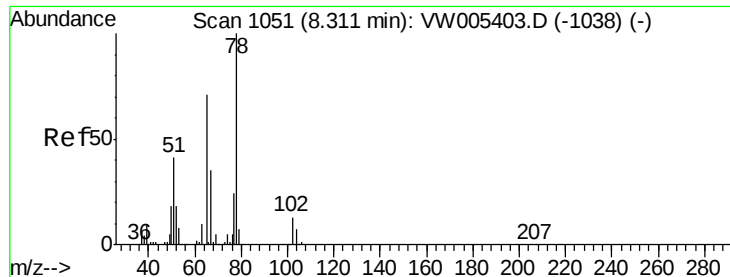
69 174.7 27.2 40.8#

84 136.3 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: 63.446 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampled :

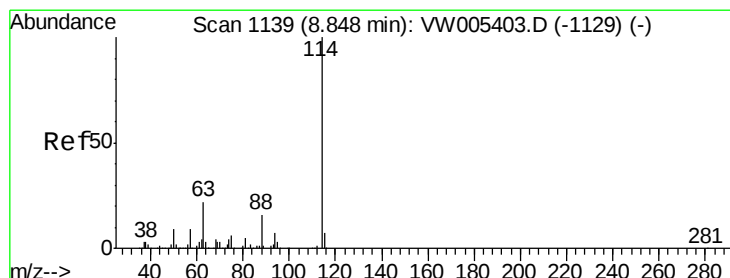
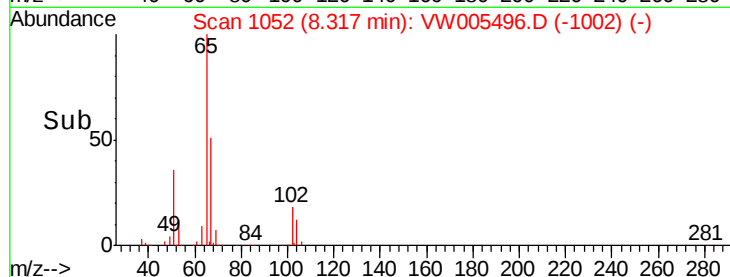
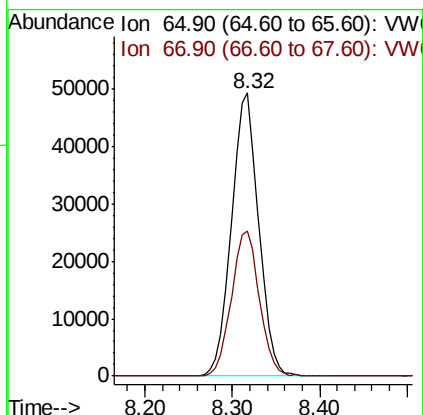
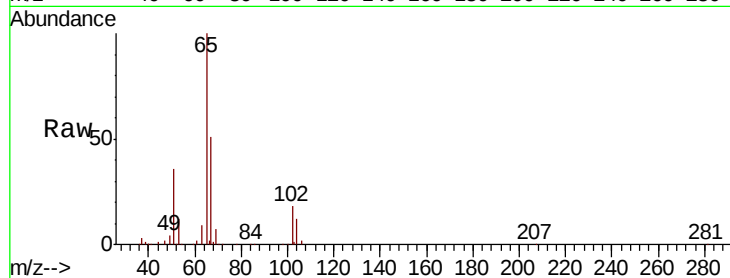
SP-PIT-11RE

Tgt Ion: 65 Resp: 106634

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

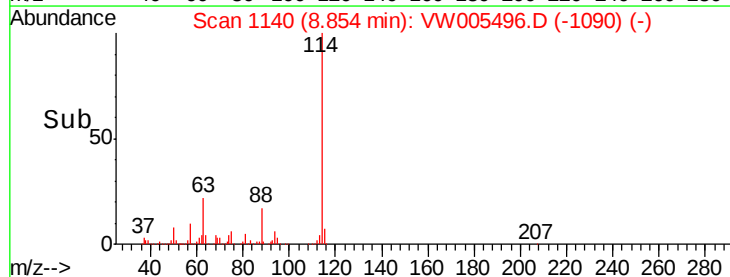
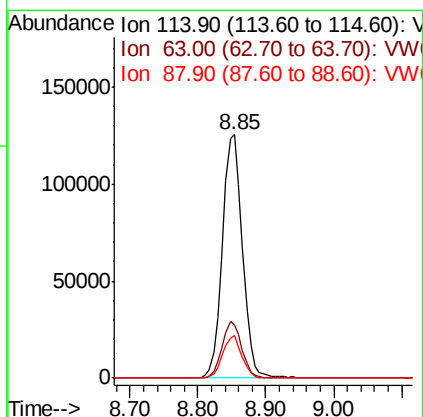
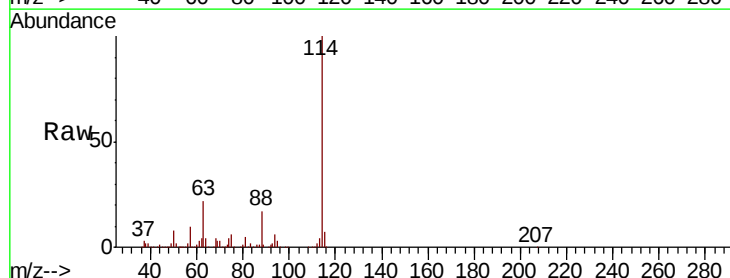
Tgt Ion: 114 Resp: 256795

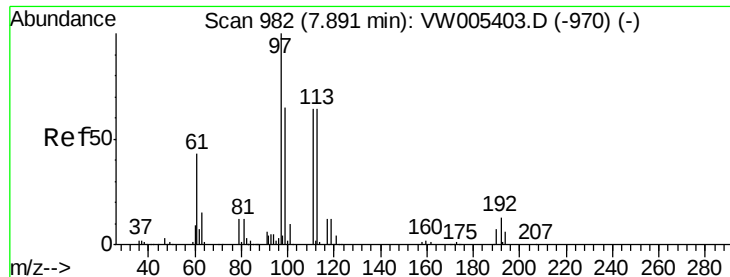
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 17.4 0.0 31.8

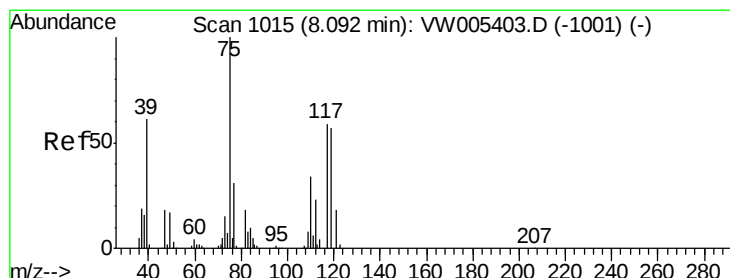
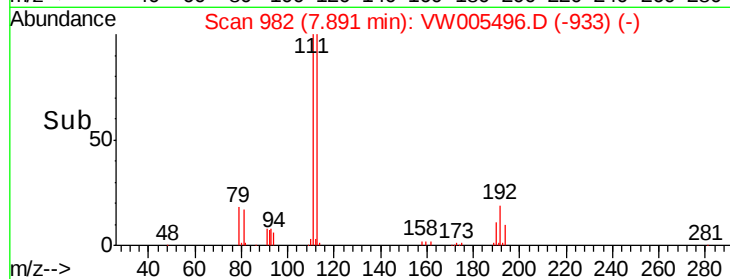
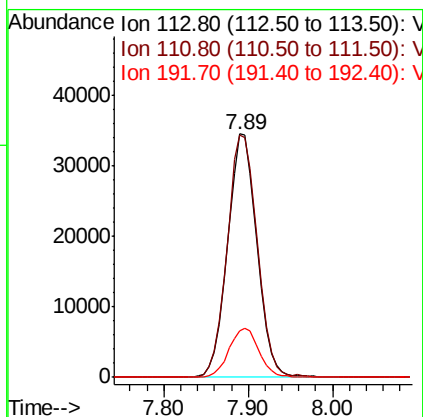
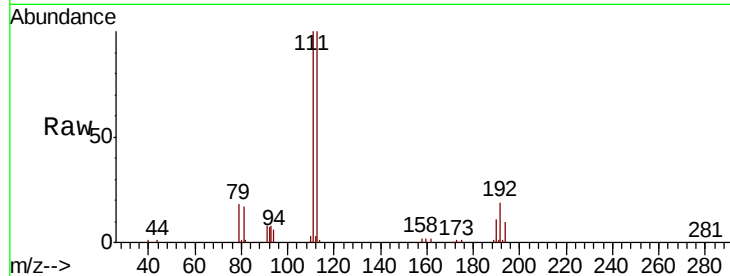




#35
 Dibromofluoromethane
 Concen: 56.502 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005496.D
 Acq: 18 Sep 2018 22:35

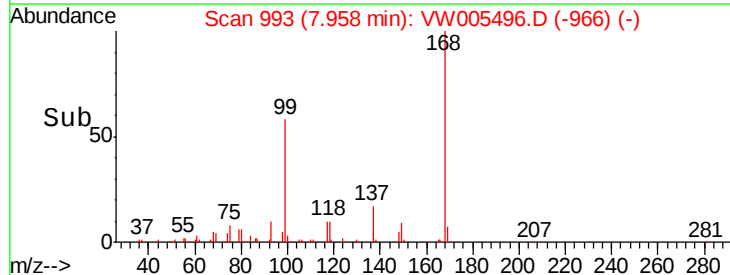
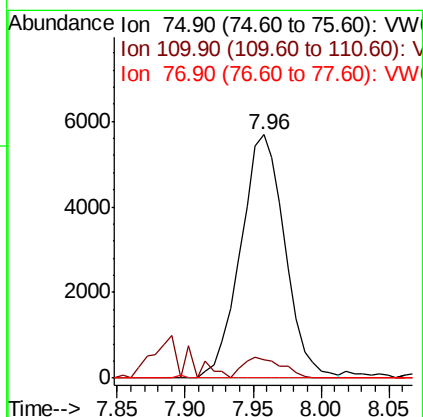
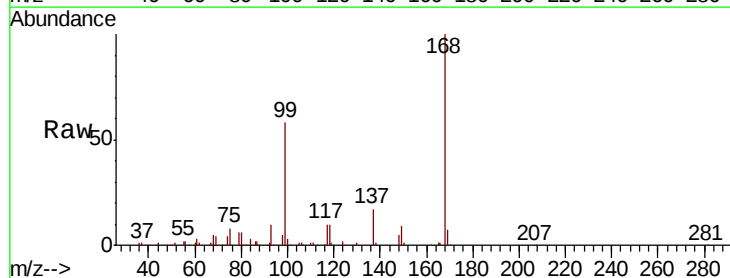
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-11RE

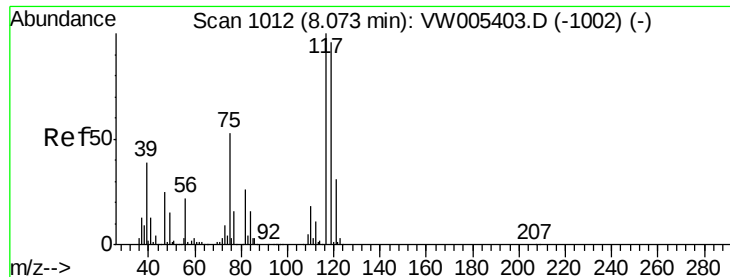
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.3	123.5
192	20.2	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 5.329 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005496.D
 Acq: 18 Sep 2018 22:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.8	50.4#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.297 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-11RE

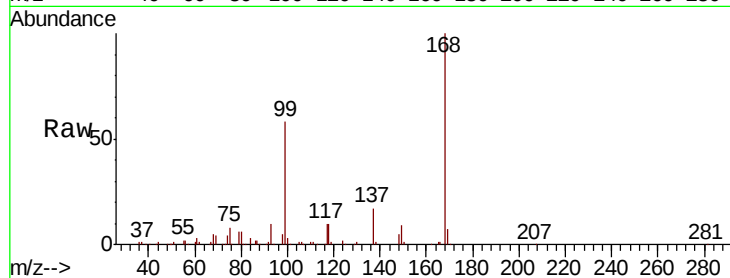
Tgt Ion:117 Resp: 15946

Ion Ratio Lower Upper

117 100

119 7.5 76.8 115.2#

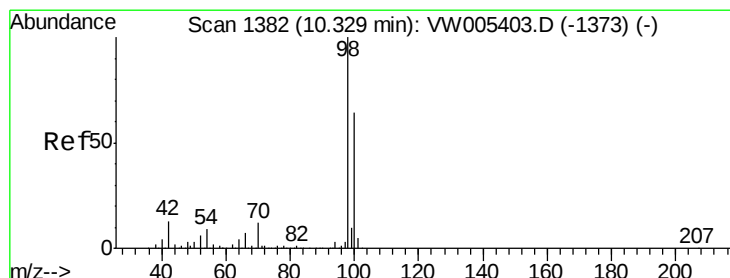
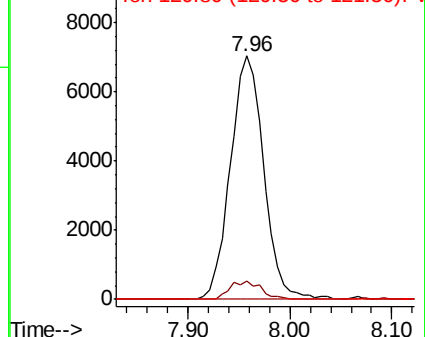
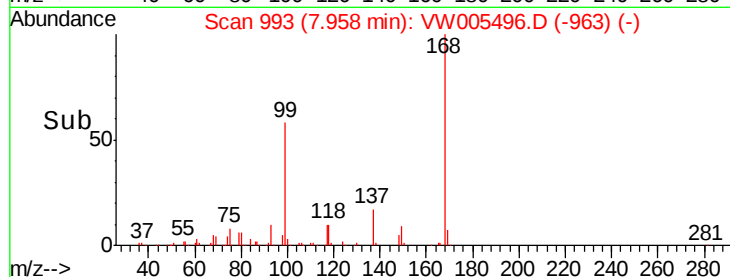
121 0.0 24.7 37.1#



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: 50.344 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005496.D

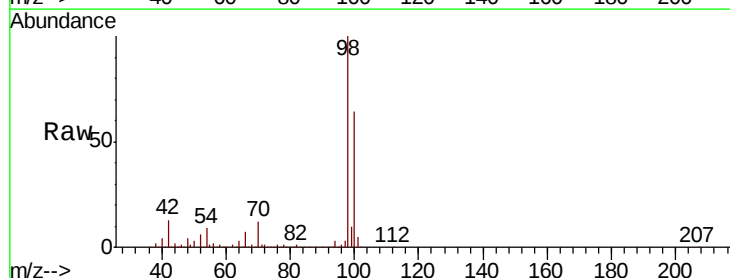
Acq: 18 Sep 2018 22:35

Tgt Ion: 98 Resp: 331952

Ion Ratio Lower Upper

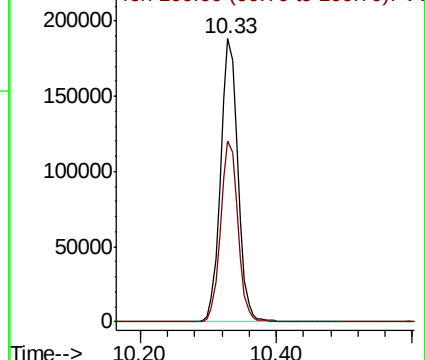
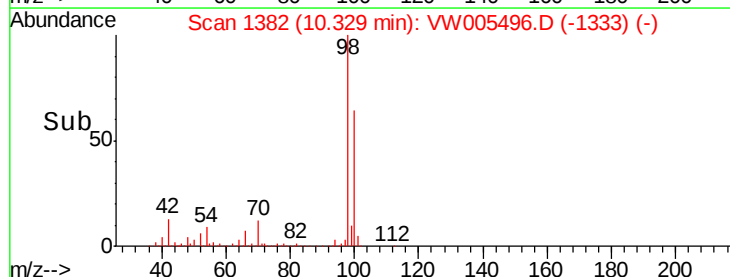
98 100

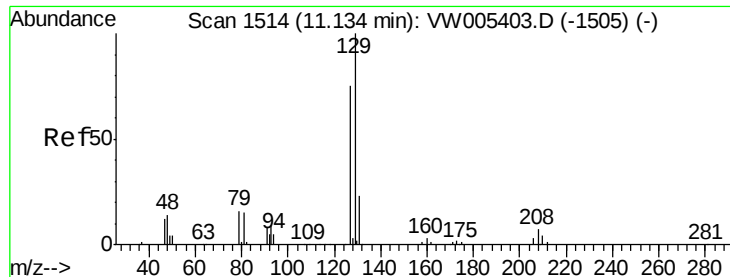
100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#60

Dibromochloromethane

Concen: 27.052 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

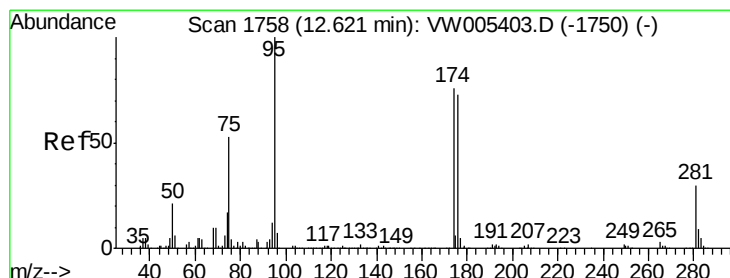
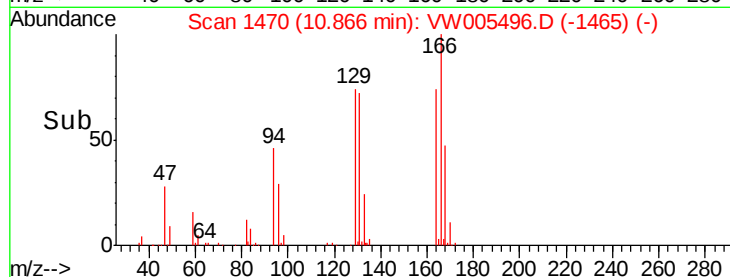
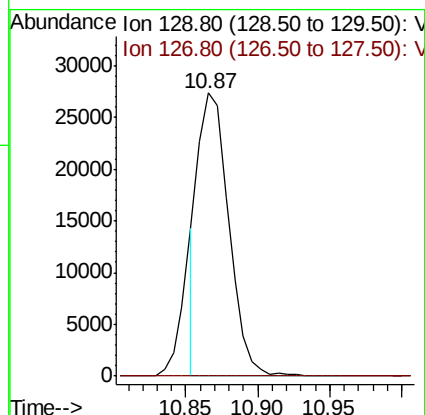
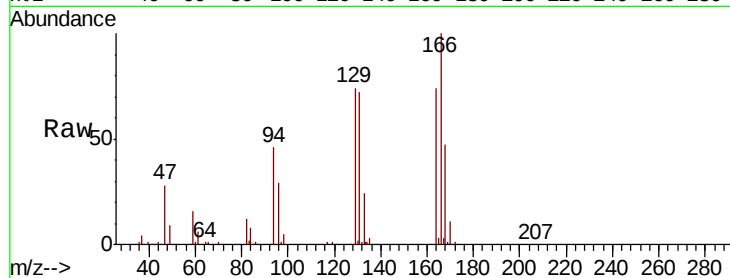
SP-PIT-11RE

Tgt Ion:129 Resp: 40027

Ion Ratio Lower Upper

129 100

127 0.2 38.5 115.3#



#62

4-Bromofluorobenzene

Concen: 45.420 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

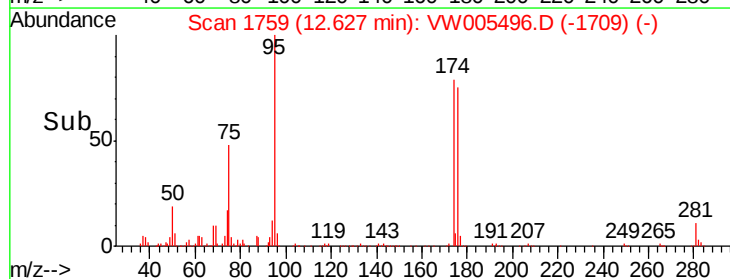
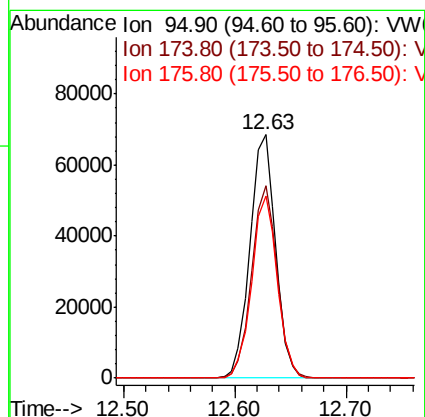
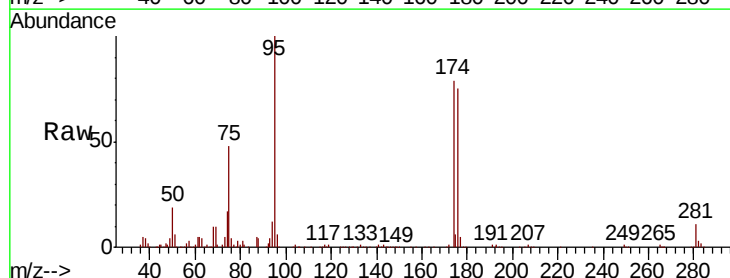
Tgt Ion: 95 Resp: 109811

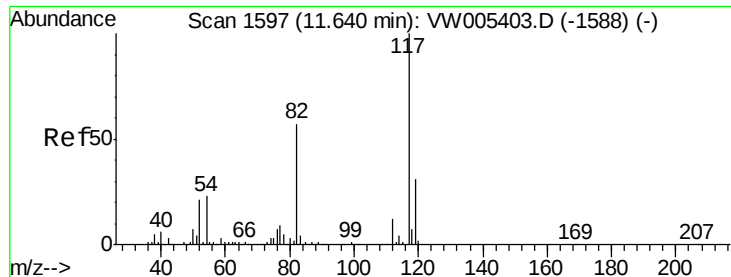
Ion Ratio Lower Upper

95 100

174 78.7 0.0 161.2

176 74.8 0.0 156.6

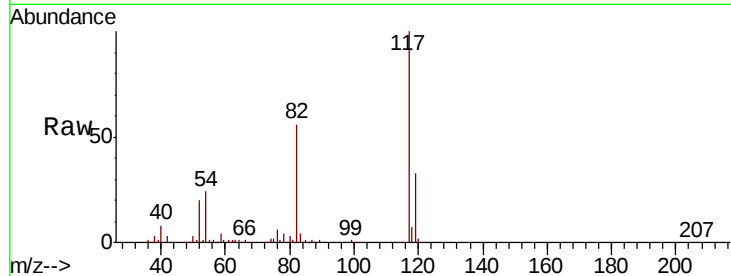




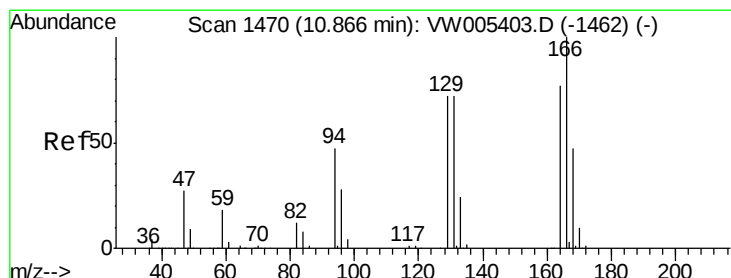
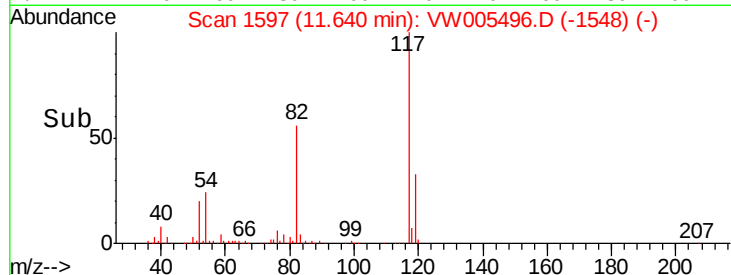
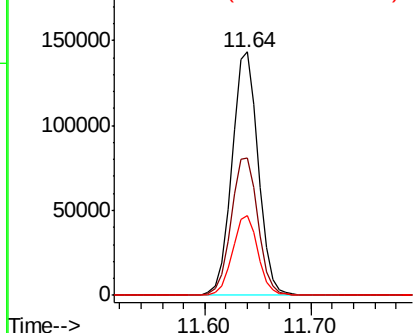
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005496.D
Acq: 18 Sep 2018 22:35

Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-11RE

Tgt Ion:117 Resp: 247885
Ion Ratio Lower Upper
117 100
82 56.5 45.9 68.9
119 32.5 24.8 37.2

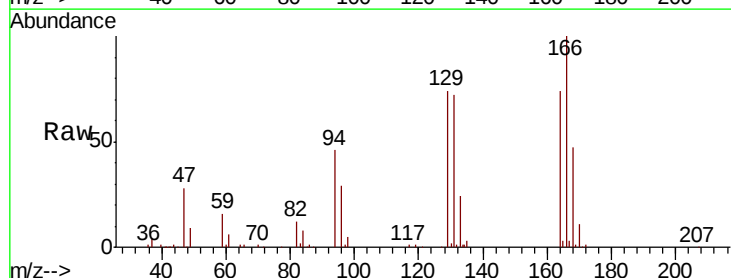


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

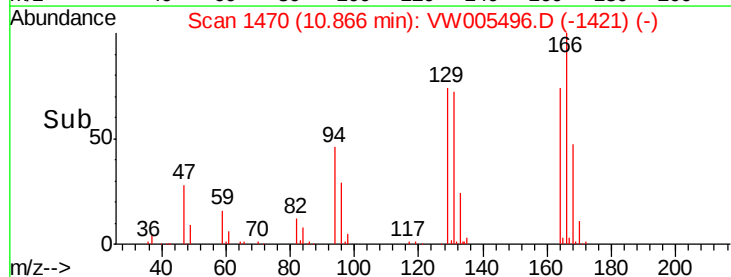
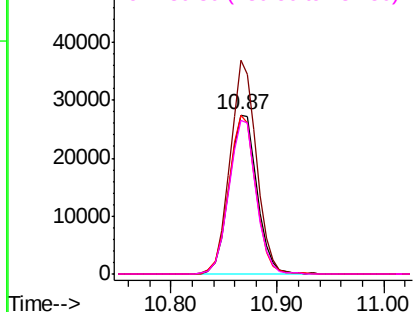


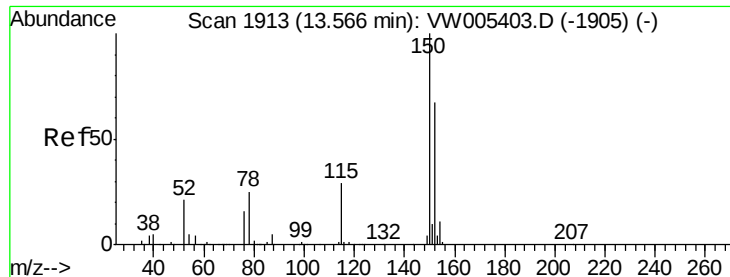
#64
Tetrachloroethene
Concen: 27.480 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005496.D
Acq: 18 Sep 2018 22:35

Tgt Ion:164 Resp: 50344
Ion Ratio Lower Upper
164 100
166 134.4 104.0 156.0
129 99.7 74.9 112.3
131 97.0 75.3 112.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-11RE

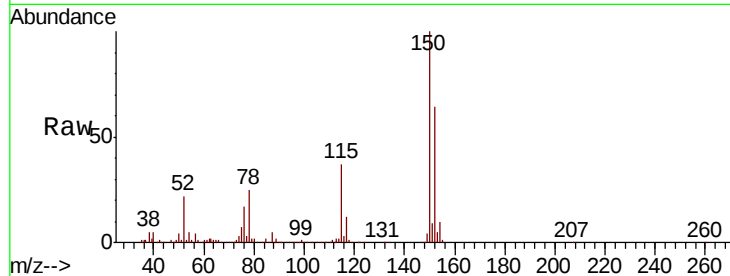
Tgt Ion: 152 Resp: 105631

Ion Ratio Lower Upper

152 100

115 59.2 29.5 88.5

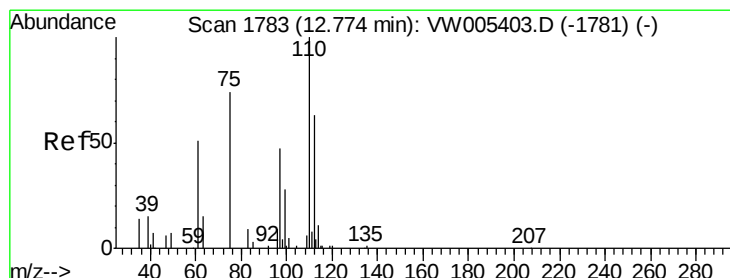
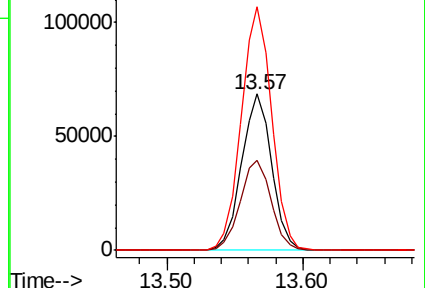
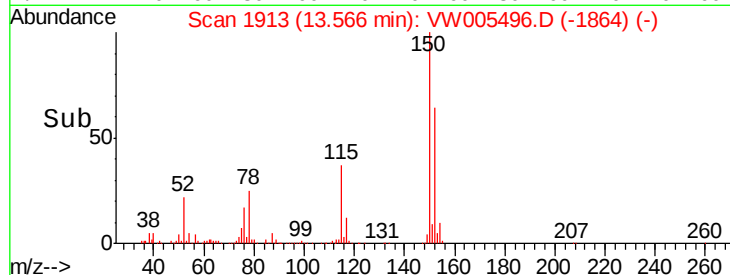
150 157.7 0.0 345.6



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: 64.905 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005496.D

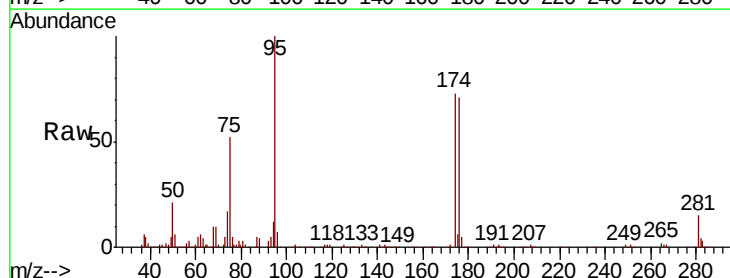
Acq: 18 Sep 2018 22:35

Tgt Ion: 75 Resp: 56389

Ion Ratio Lower Upper

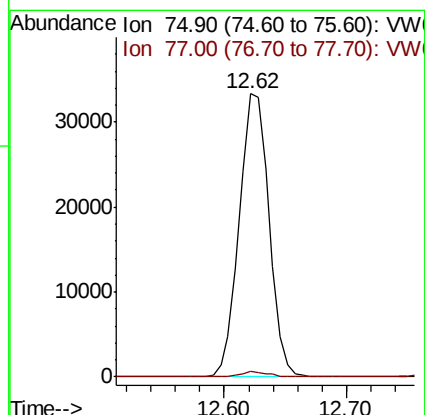
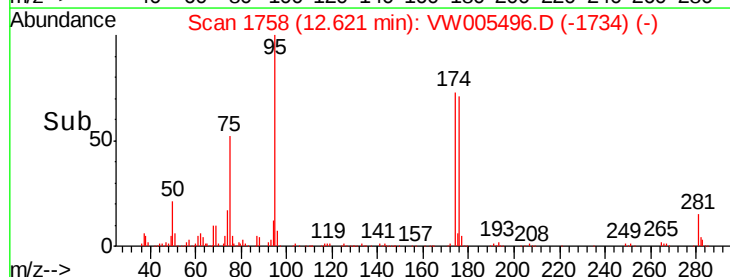
75 100

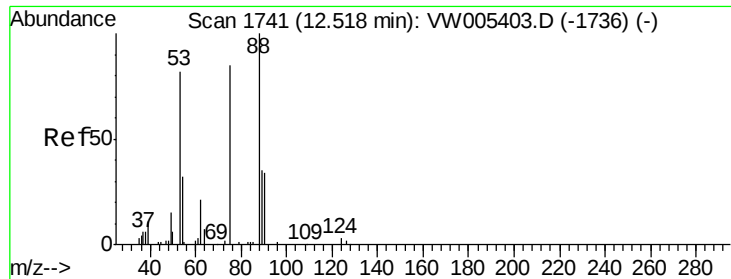
77 1.9 0.0 0.0#



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: 168.368 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005496.D

Acq: 18 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-11RE

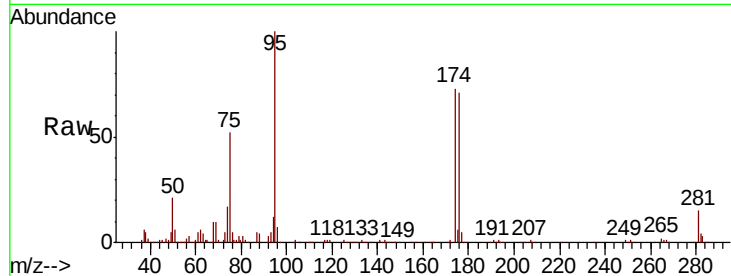
Tgt Ion: 75 Resp: 56389

Ion Ratio Lower Upper

75 100

53 0.0 83.2 124.8#

89 0.1 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

