

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009575.D
 Acq On : 29 Mar 2019 16:53
 Operator : SY/VA
 Sample : K2102-01
 Misc : 5.63G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TT-001-IDWSO-20190325

Quant Time: Mar 30 04:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

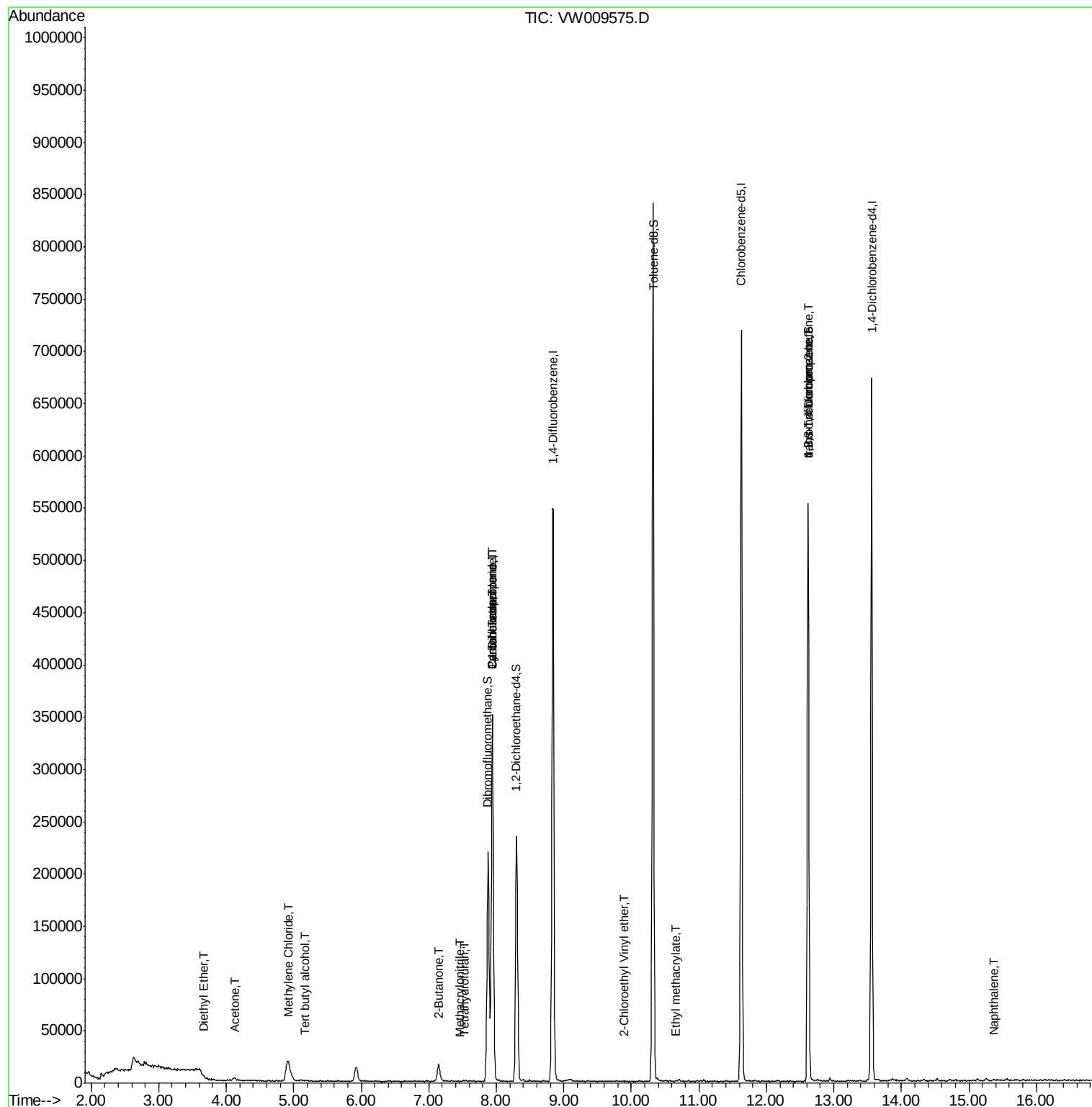
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	177221	61.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.84%	
35) Dibromofluoromethane	7.88	113	147836	54.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.48%	
50) Toluene-d8	10.32	98	522821	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.62	95	162170	43.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	59	Below Cal	#	41
8) Diethyl Ether	3.67	74	1816	1.394	ug/l	75
11) Tert butyl alcohol	5.17	59	183	1.094	ug/l #	1
16) Acetone	4.13	43	5794	8.931	ug/l	95
20) Methylene Chloride	4.92	84	19544	4.120	ug/l	92
25) 2-Butanone	7.15	43	1637	1.826	ug/l #	50
29) Tetrahydrofuran	7.52	42	895	1.608	ug/l #	52
31) Cyclohexane	7.94	56	7650	1.612	ug/l #	40
36) 1,1-Dichloropropene	7.94	75	22303	5.014	ug/l #	50
38) Carbon Tetrachloride	7.94	117	25605	5.618	ug/l #	17
41) Methacrylonitrile	7.46	41	68	3.967	ug/l #	33
56) Ethyl methacrylate	10.66	69	21	3.803	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.90	63	46	17.045	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	91614	61.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91614	143.033	ug/l #	7
95) Naphthalene	15.38	128	994	2.875	ug/l #	80

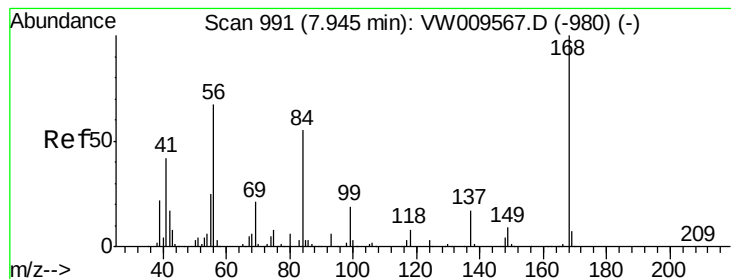
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

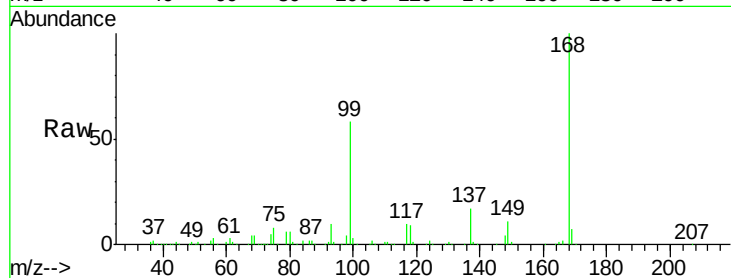
TT-001-IDWSO-20190325

Tgt Ion:168 Resp: 252322

Ion Ratio Lower Upper

168 100

99 57.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

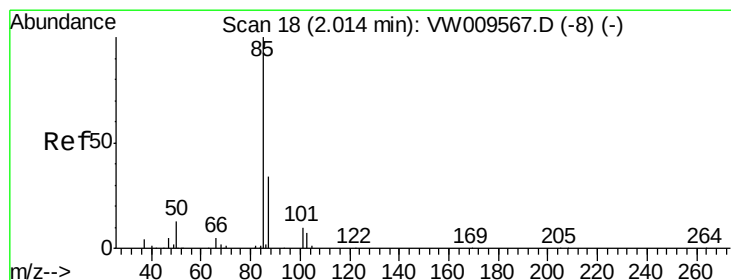
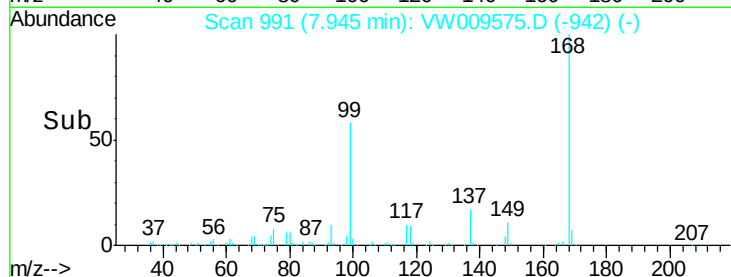
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009575.D

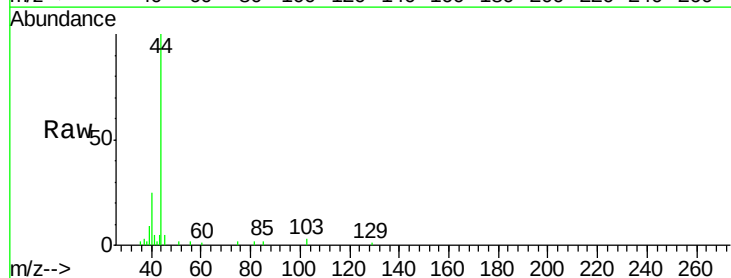
Acq: 29 Mar 2019 16:53

Tgt Ion: 85 Resp: 59

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100

80

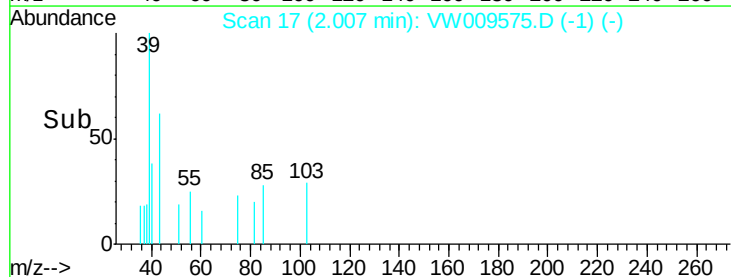
60

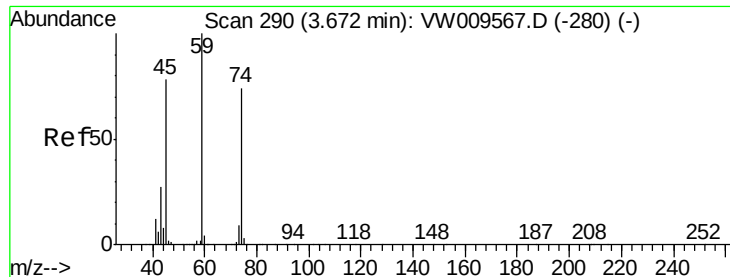
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.394 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

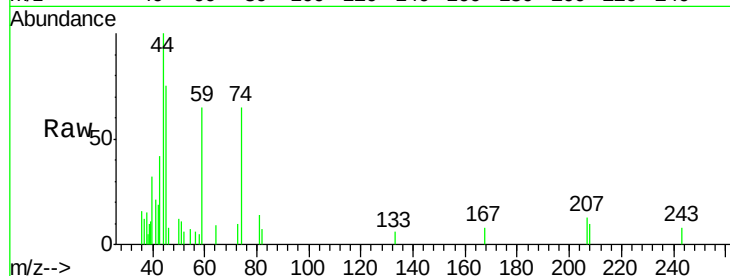
TT-001-IDWSO-20190325

Tgt Ion: 74 Resp: 1816

Ion Ratio Lower Upper

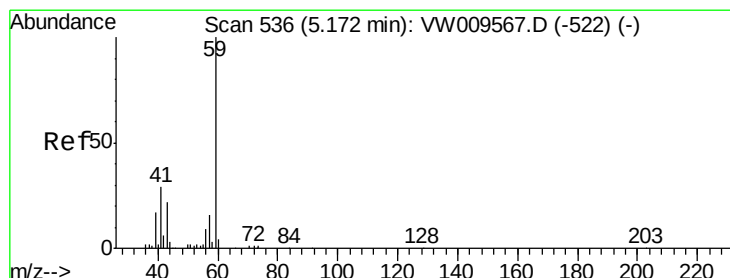
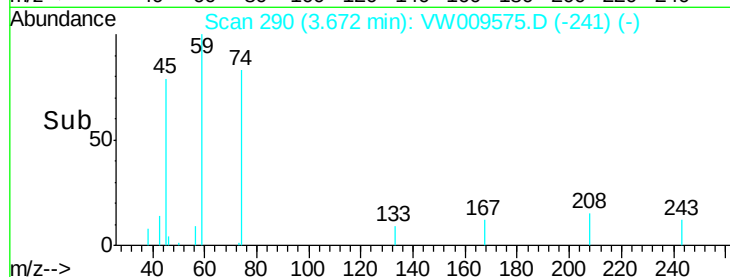
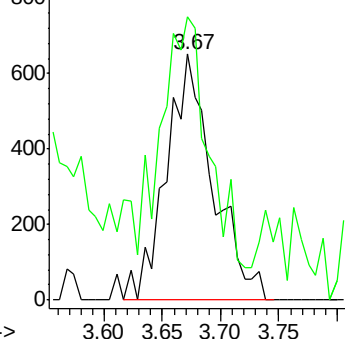
74 100

45 126.0 50.6 151.9



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 1.094 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW009575.D

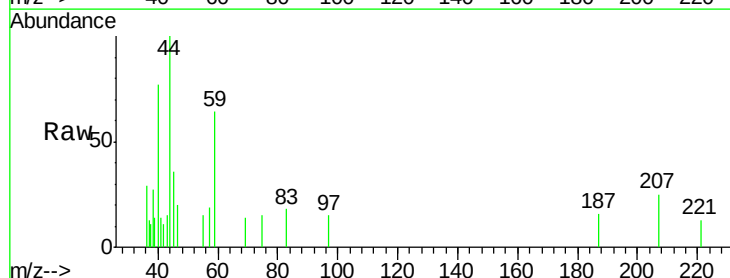
Acq: 29 Mar 2019 16:53

Tgt Ion: 59 Resp: 183

Ion Ratio Lower Upper

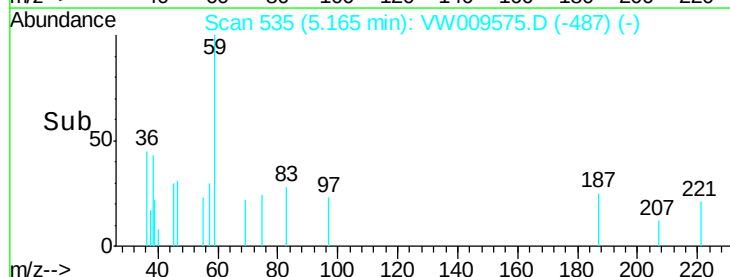
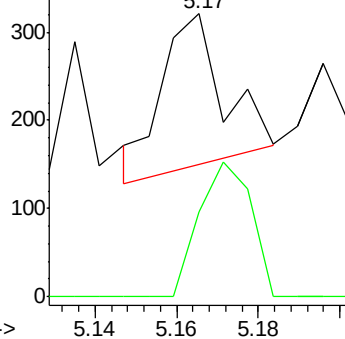
59 100

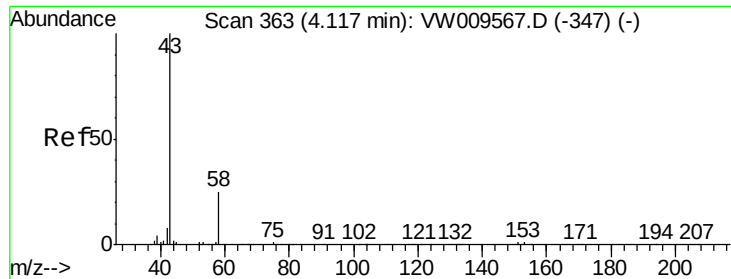
57 74.3 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

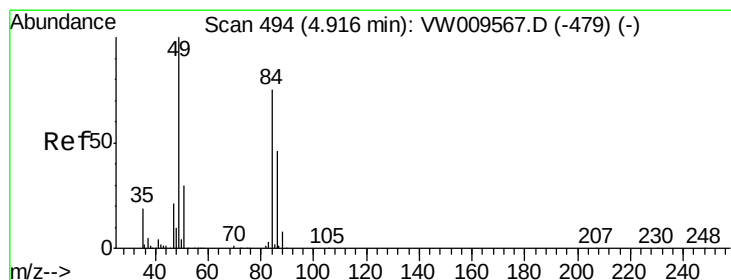
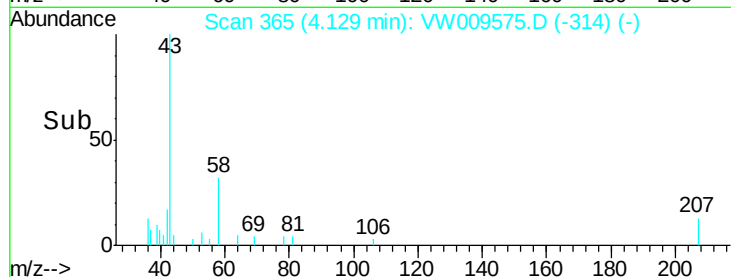
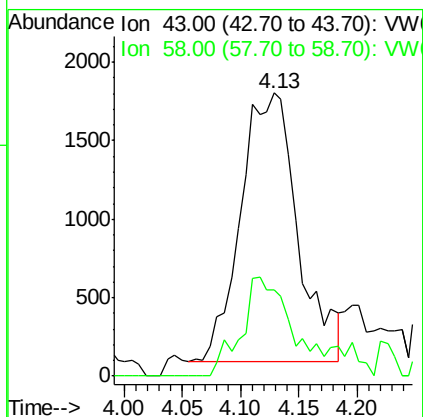
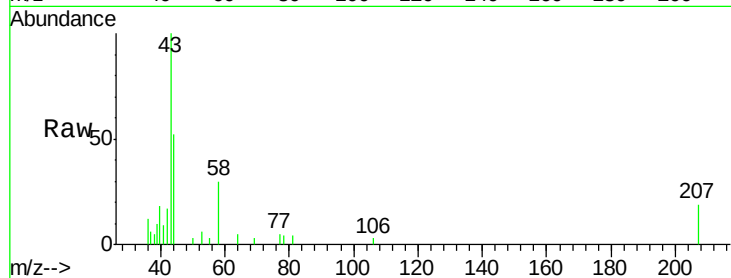




#16
Acetone
Concen: 8.931 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW009575.D
Acq: 29 Mar 2019 16:53

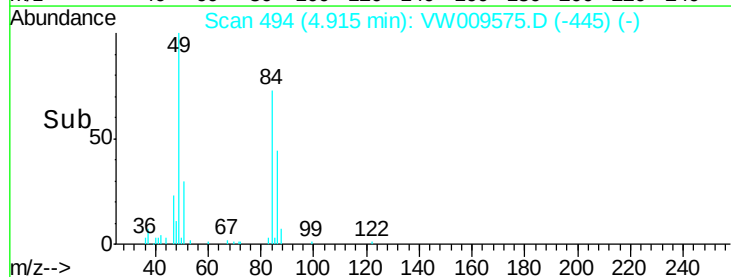
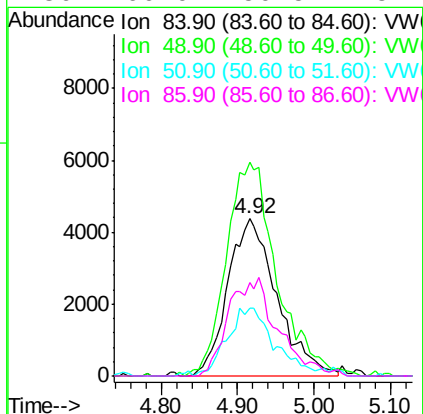
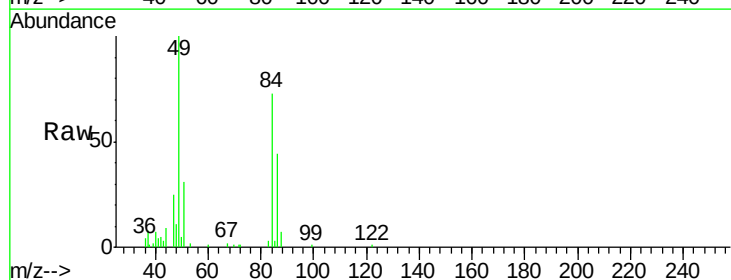
Instrument :
MSVOA_W
ClientSampleId :
TT-001-IDWSO-20190325

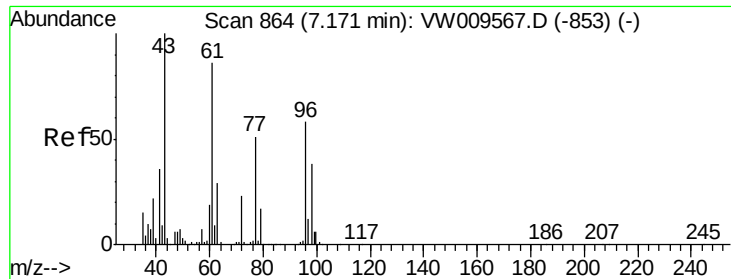
Tgt Ion: 43 Resp: 5794
Ion Ratio Lower Upper
43 100
58 32.0 23.6 35.4



#20
Methylene Chloride
Concen: 4.120 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009575.D
Acq: 29 Mar 2019 16:53

Tgt Ion: 84 Resp: 19544
Ion Ratio Lower Upper
84 100
49 134.8 99.1 148.7
51 39.7 28.7 43.1
86 60.0 50.5 75.7





#25

2-Butanone

Concen: 1.826 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

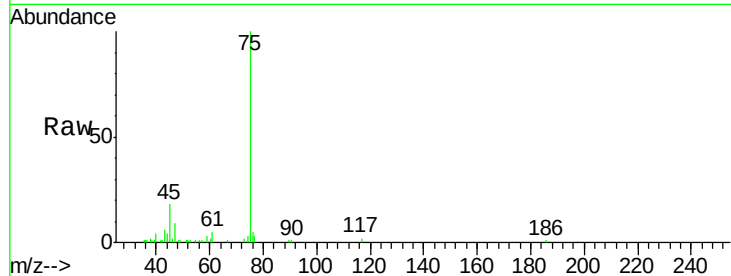
TT-001-IDWSO-20190325

Tgt Ion: 43 Resp: 1637

Ion Ratio Lower Upper

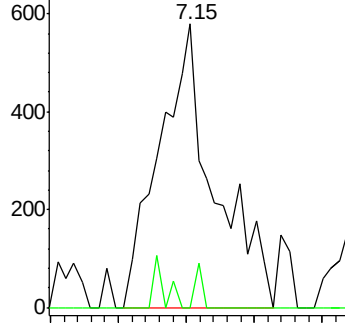
43 100

72 0.0 20.0 30.0#

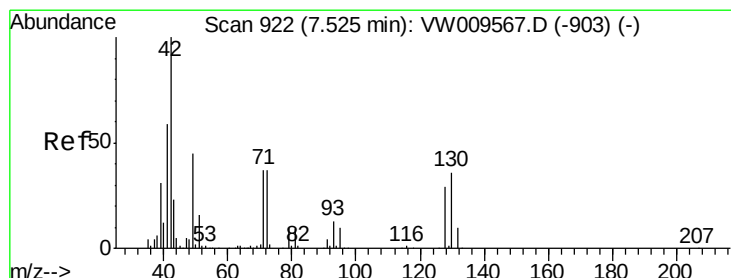
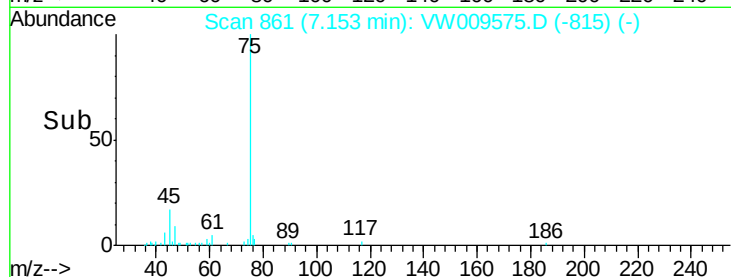


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time--> 7.05 7.10 7.15 7.20 7.25



#29

Tetrahydrofuran

Concen: 1.608 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

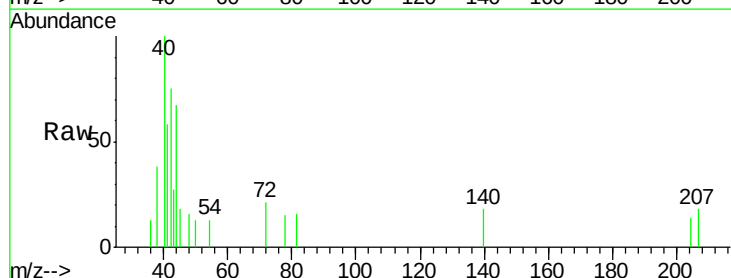
Tgt Ion: 42 Resp: 895

Ion Ratio Lower Upper

42 100

72 8.8 32.4 48.6#

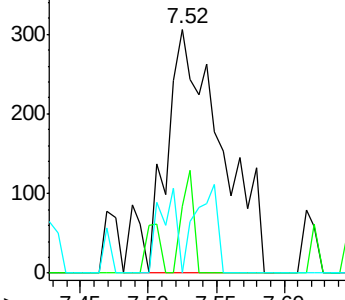
71 10.5 30.1 45.1#



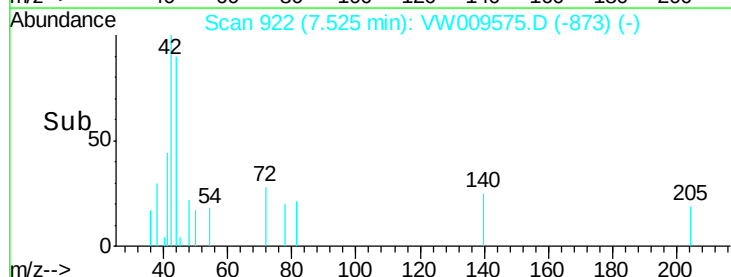
Abundance Ion 42.00 (41.70 to 42.70): VW

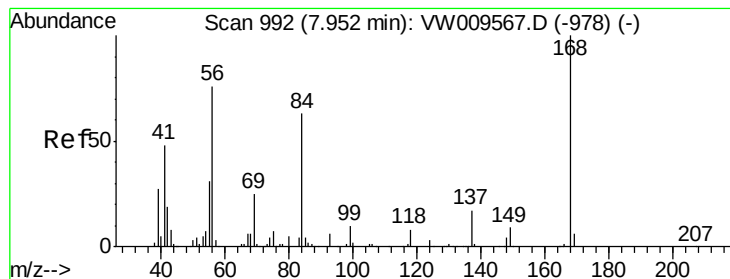
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time--> 7.45 7.50 7.55 7.60





#31

Cyclohexane

Concen: 1.612 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

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ClientSampleId :

TT-001-IDWSO-20190325

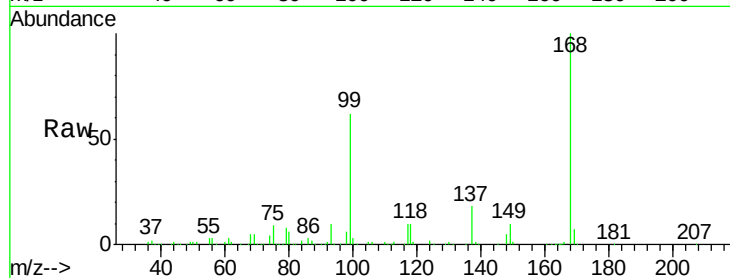
Tgt Ion: 56 Resp: 7650

Ion Ratio Lower Upper

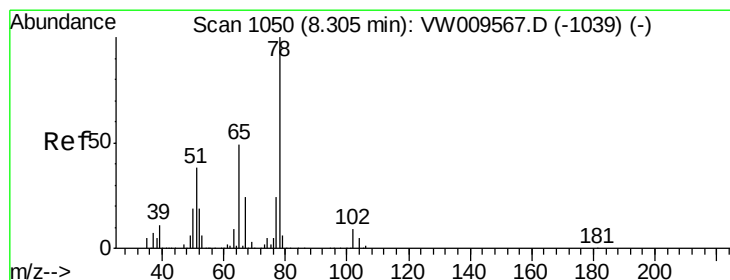
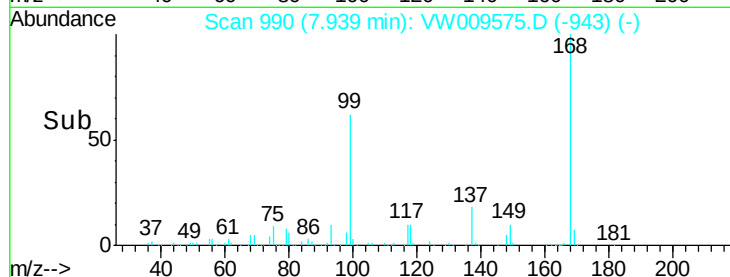
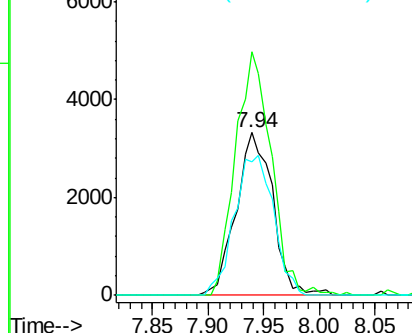
56 100

69 149.7 26.1 39.1#

84 82.2 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 61.420 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009575.D

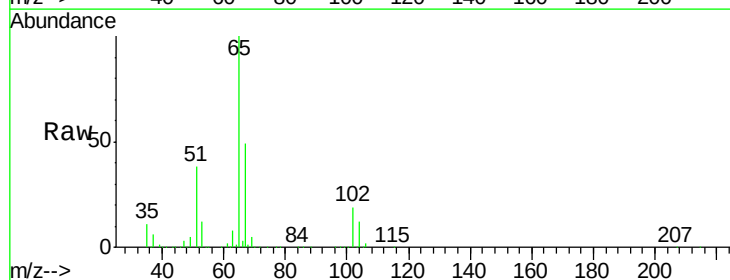
Acq: 29 Mar 2019 16:53

Tgt Ion: 65 Resp: 177221

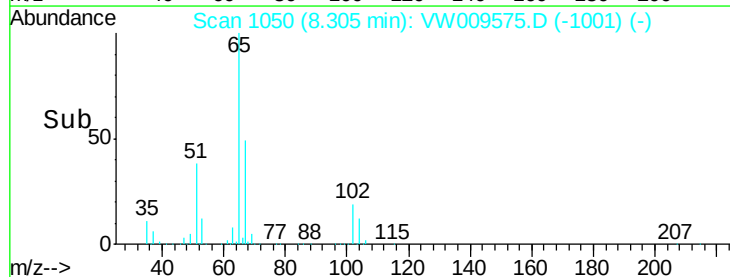
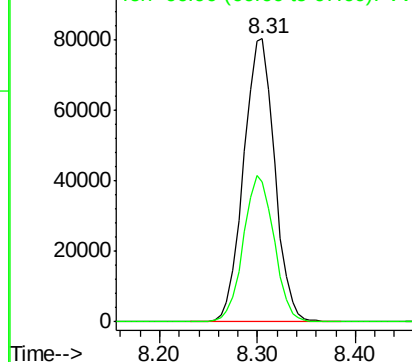
Ion Ratio Lower Upper

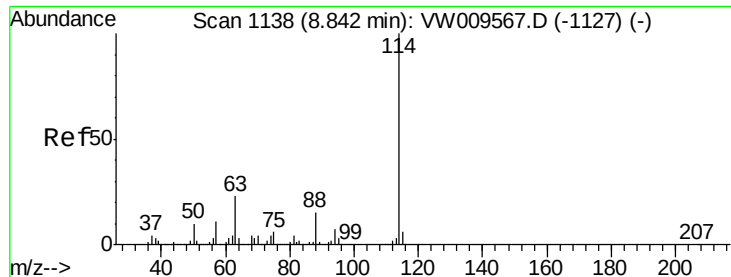
65 100

67 51.2 0.0 102.4



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: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

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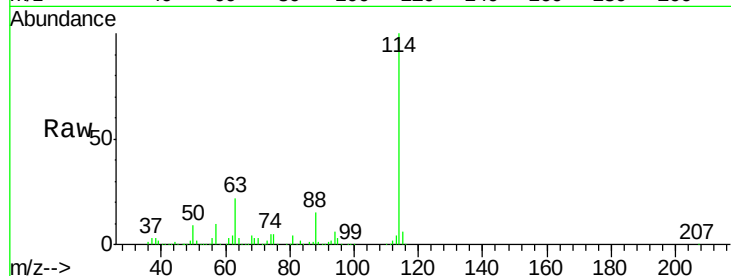
Tgt Ion:114 Resp: 430025

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

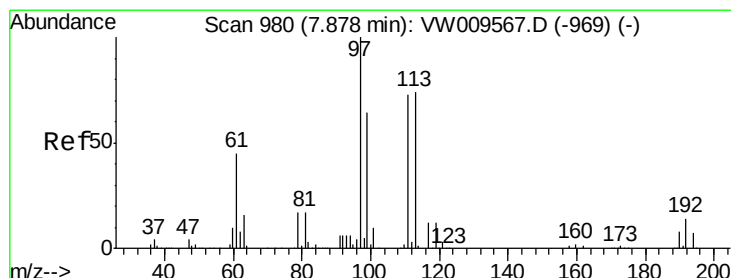
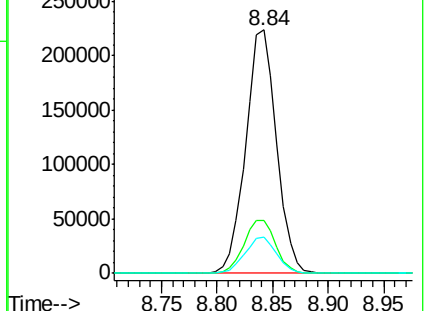
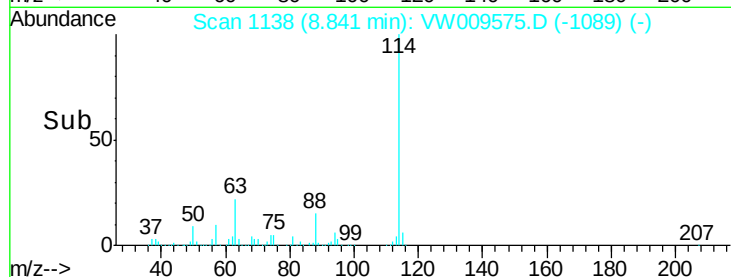
88 14.9 0.0 30.8



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: 54.736 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

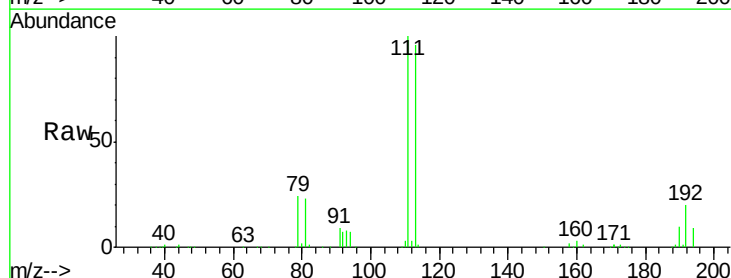
Tgt Ion:113 Resp: 147836

Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

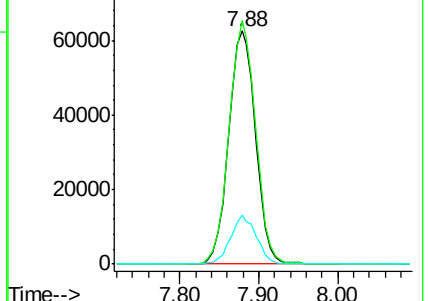
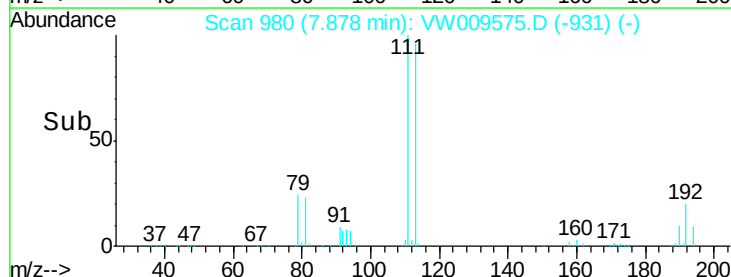
192 20.0 16.4 24.6

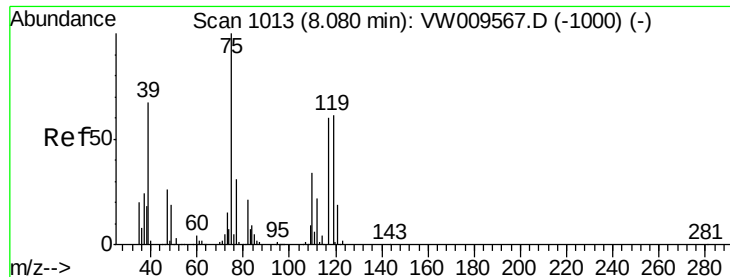


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.014 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

TT-001-IDWSO-20190325

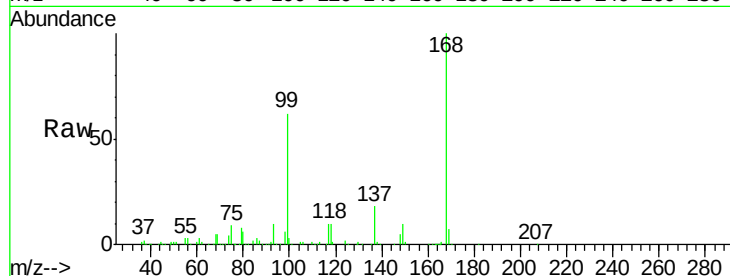
Tgt Ion: 75 Resp: 22303

Ion Ratio Lower Upper

75 100

110 8.1 16.8 50.4#

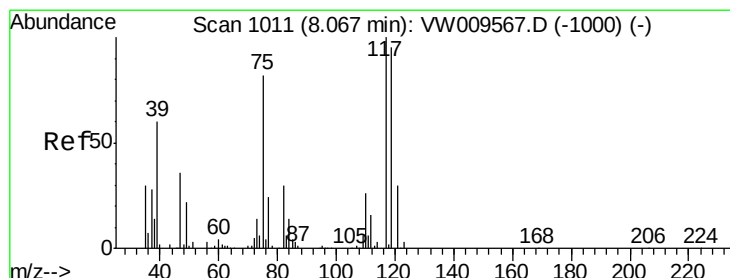
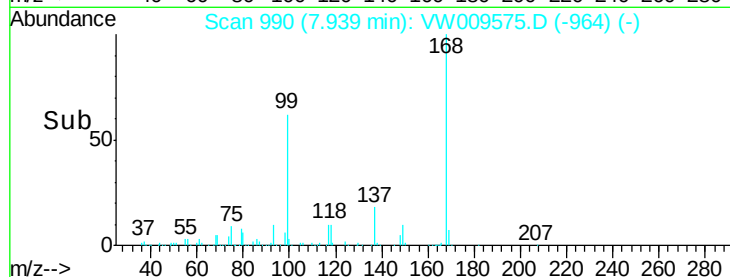
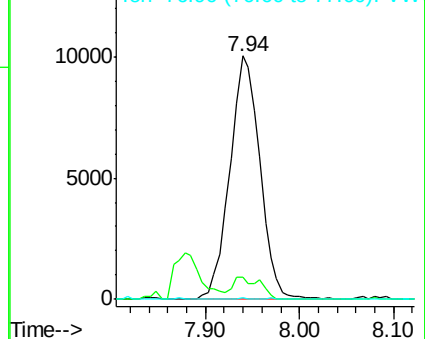
77 0.1 24.6 36.8#



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: 5.618 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

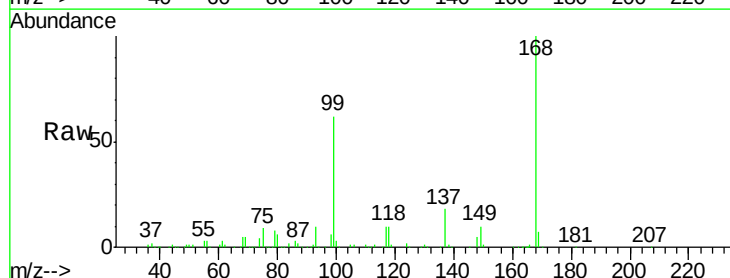
Tgt Ion: 117 Resp: 25605

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

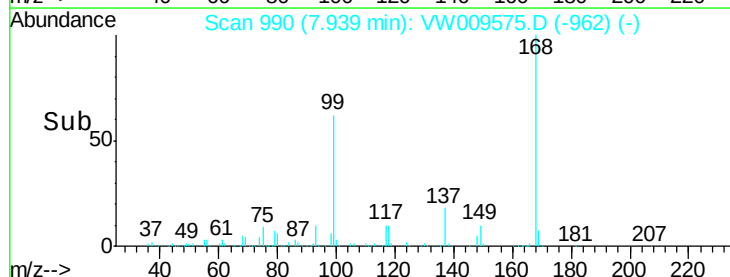
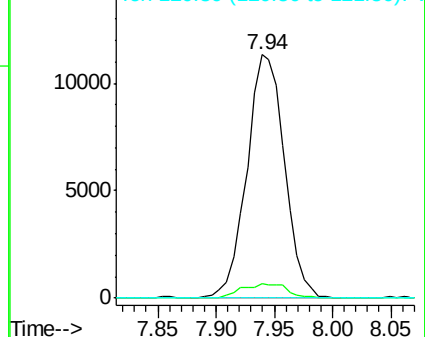
121 0.0 24.9 37.3#

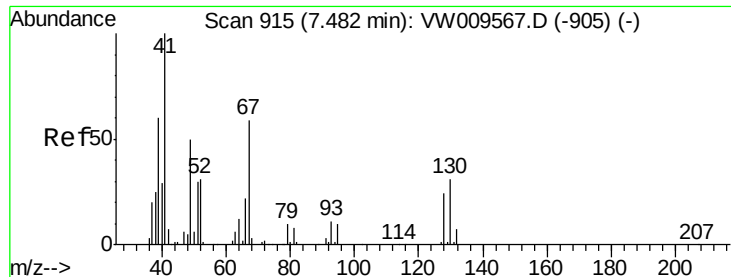


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

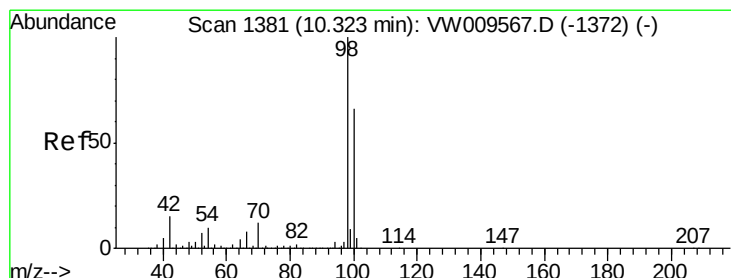
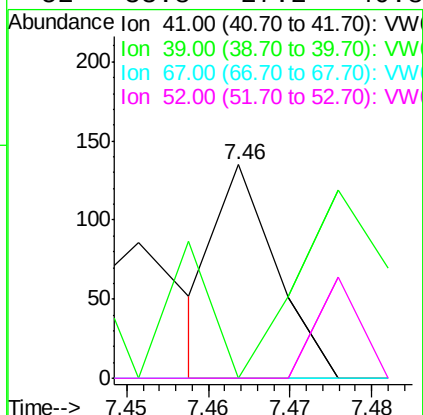
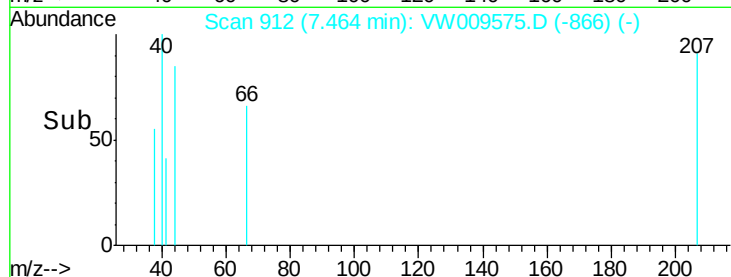
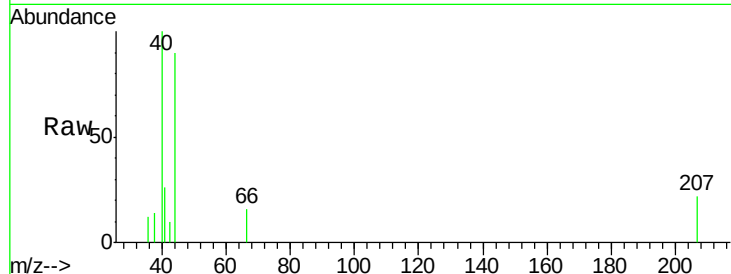




#41
Methacrylonitrile
Concen: 3.967 ug/l
RT: 7.46 min Scan# 912
Delta R.T. -0.02 min
Lab File: VW009575.D
Acq: 29 Mar 2019 16:53

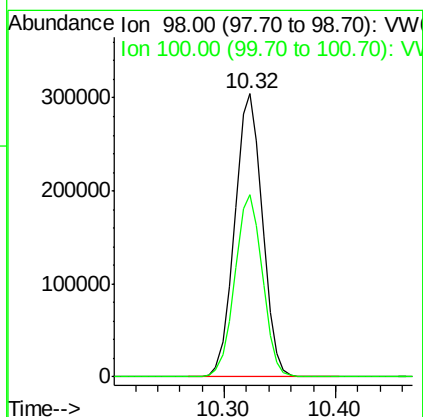
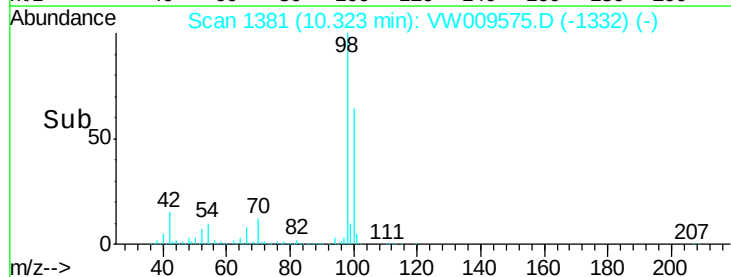
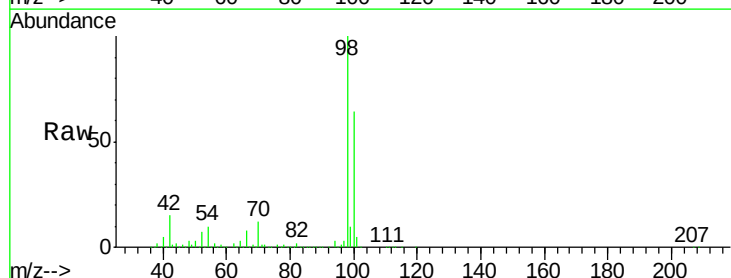
Instrument :
MSVOA_W
ClientSampleId :
TT-001-IDWSO-20190325

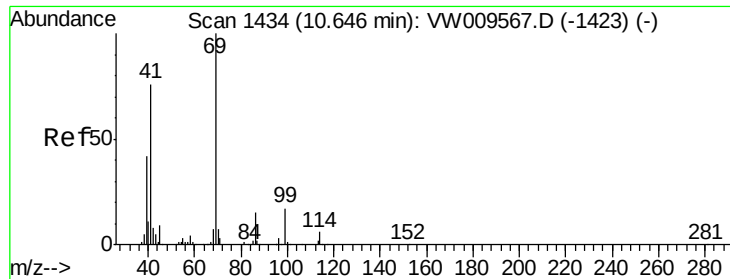
Tgt Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
39 129.4 52.5 78.7#
67 0.0 56.6 84.8#
52 33.8 27.2 40.8



#50
Toluene-d8
Concen: 52.372 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009575.D
Acq: 29 Mar 2019 16:53

Tgt Ion: 98 Resp: 522821
Ion Ratio Lower Upper
98 100
100 64.1 52.6 79.0





#56

Ethyl methacrylate

Concen: 3.803 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

TT-001-IDWSO-20190325

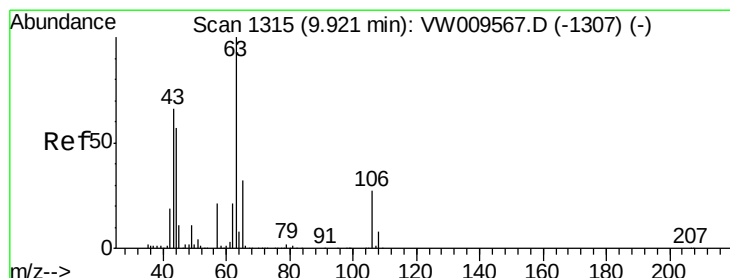
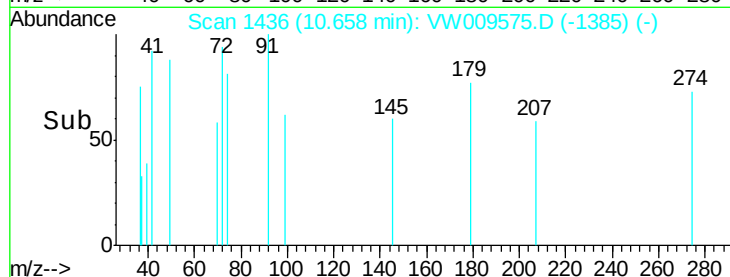
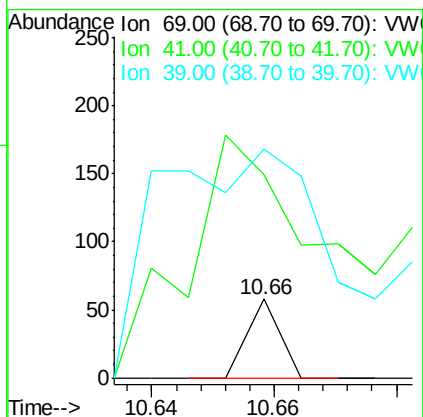
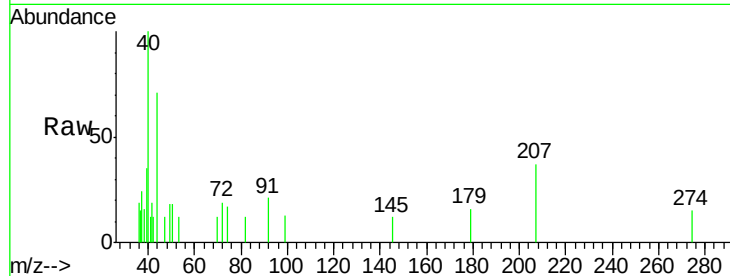
Tgt Ion: 69 Resp: 21

Ion Ratio Lower Upper

69 100

41 1671.4 59.3 88.9#

39 1800.0 36.2 54.2#



#58

2-Chloroethyl Vinyl ether

Concen: 17.045 ug/l

RT: 9.90 min Scan# 1311

Delta R.T. -0.02 min

Lab File: VW009575.D

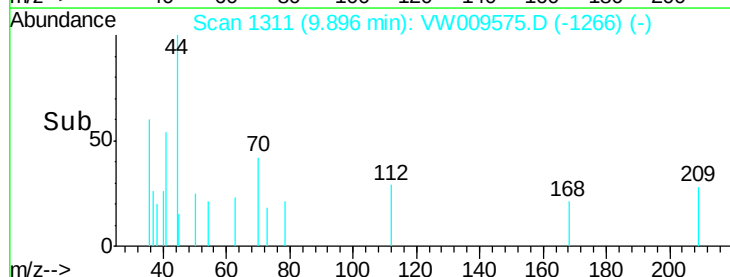
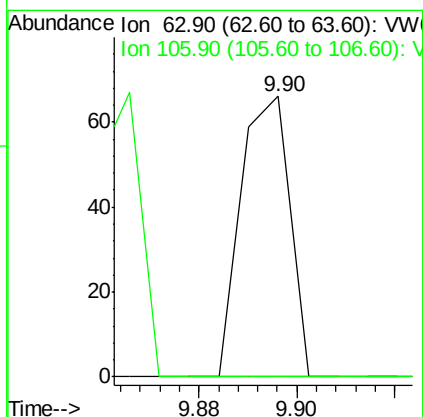
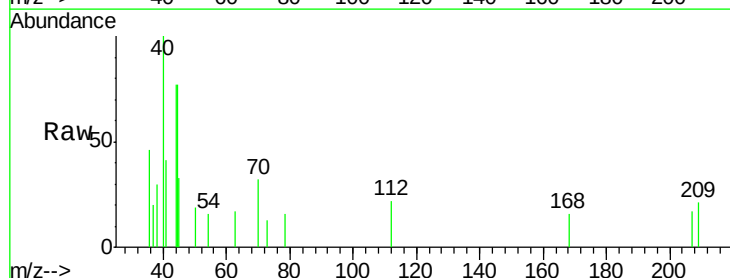
Acq: 29 Mar 2019 16:53

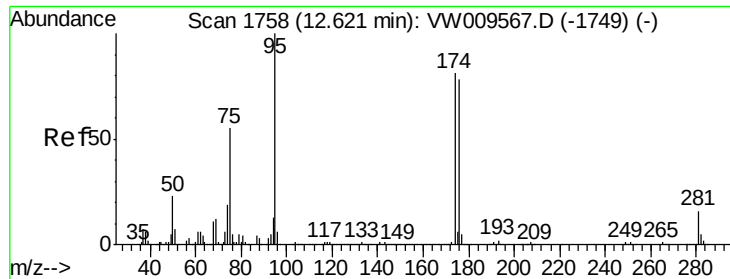
Tgt Ion: 63 Resp: 46

Ion Ratio Lower Upper

63 100

106 0.0 22.9 34.3#

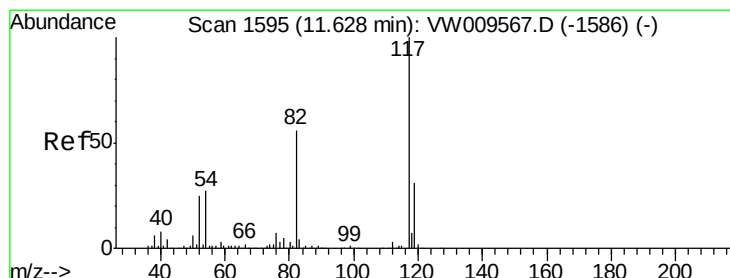
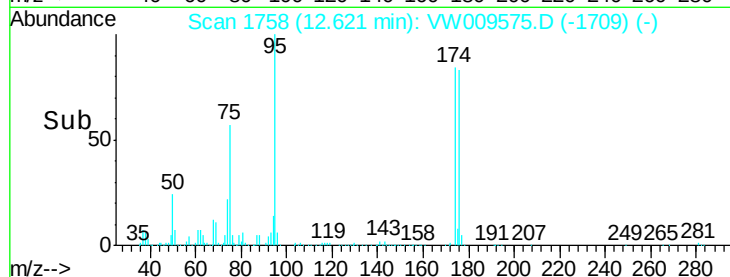
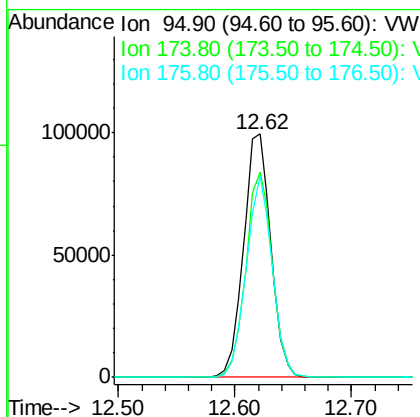
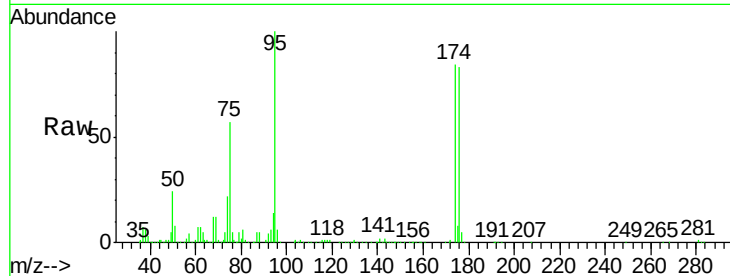




#62
4-Bromofluorobenzene
Concen: 43.546 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009575.D
Acq: 29 Mar 2019 16:53

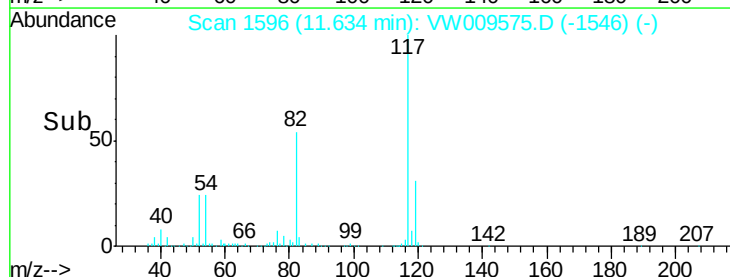
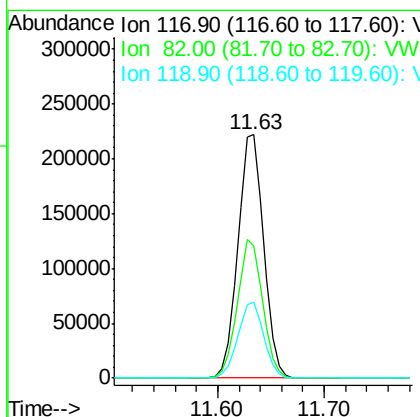
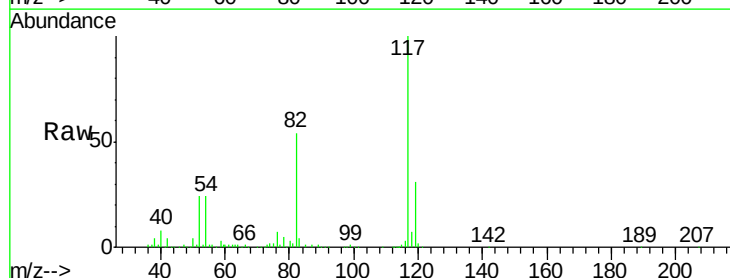
Instrument :
MSVOA_W
ClientSampleId :
TT-001-IDWSO-20190325

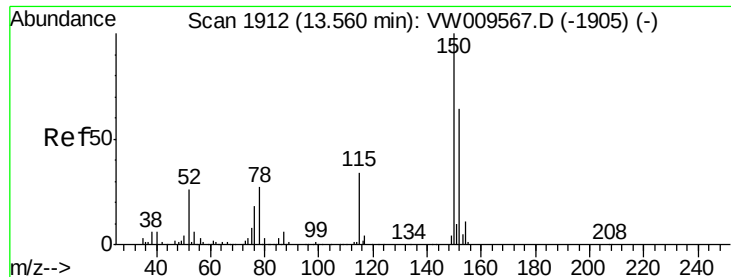
Tgt Ion: 95 Resp: 162170
Ion Ratio Lower Upper
95 100
174 82.6 0.0 168.4
176 79.0 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009575.D
Acq: 29 Mar 2019 16:53

Tgt Ion: 117 Resp: 377724
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 30.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

TT-001-IDWSO-20190325

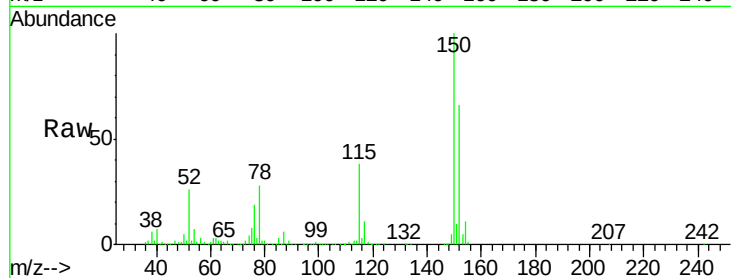
Tgt Ion:152 Resp: 158391

Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

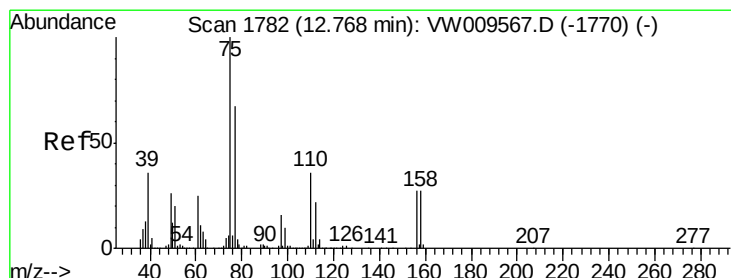
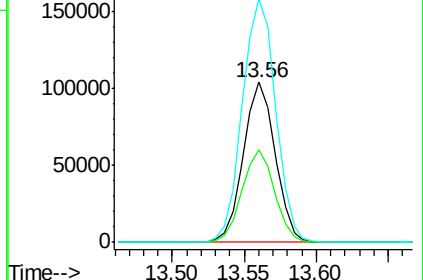
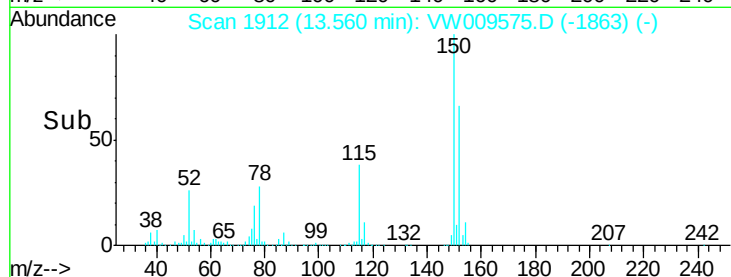
150 159.1 0.0 349.2



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: 61.507 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009575.D

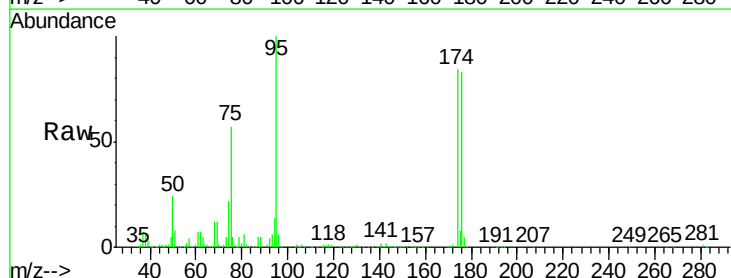
Acq: 29 Mar 2019 16:53

Tgt Ion: 75 Resp: 91614

Ion Ratio Lower Upper

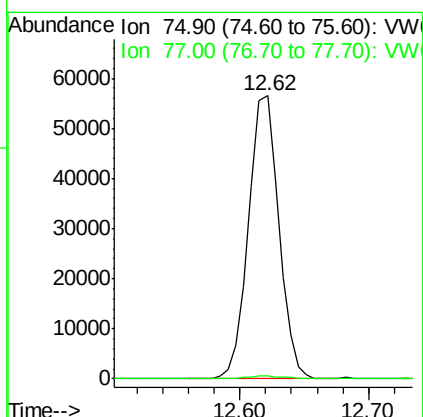
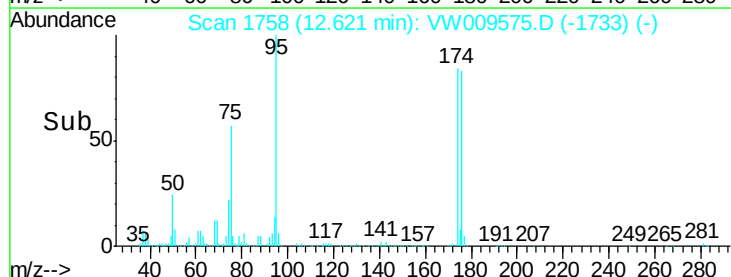
75 100

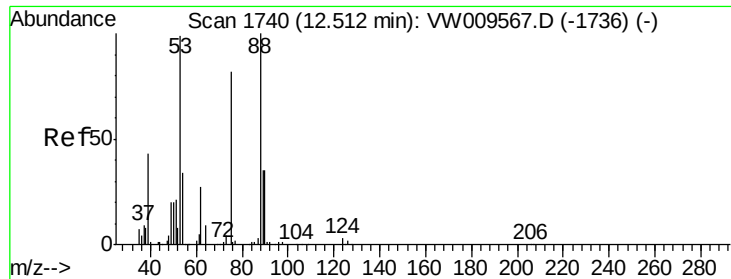
77 1.3 0.0 0.0#



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: 143.033 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

TT-001-IDWSO-20190325

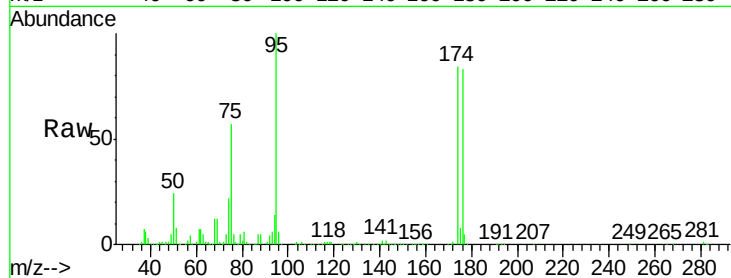
Tgt Ion: 75 Resp: 91614

Ion Ratio Lower Upper

75 100

53 0.3 86.7 130.1#

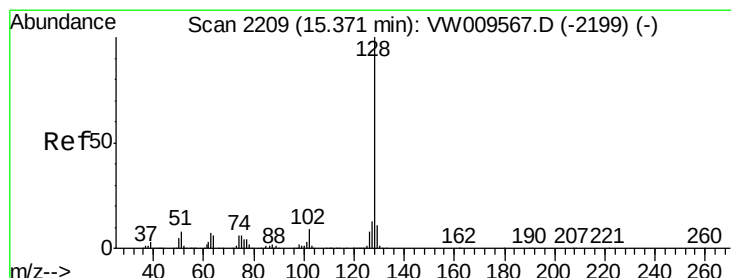
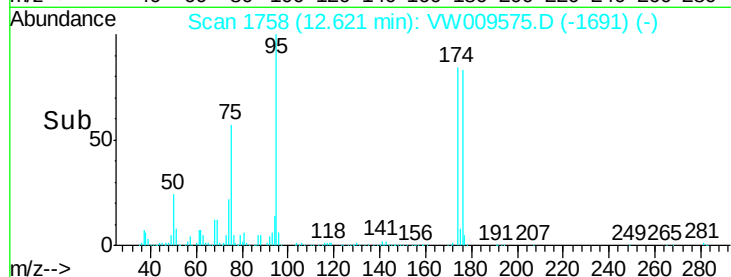
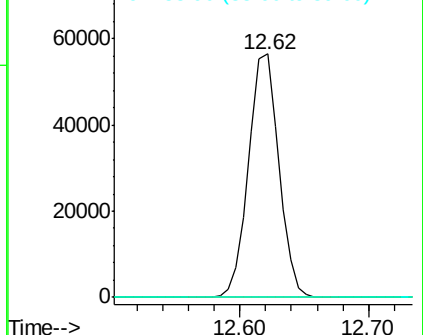
89 0.1 36.4 54.6#



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



#95

Naphthalene

Concen: 2.875 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW009575.D

Acq: 29 Mar 2019 16:53

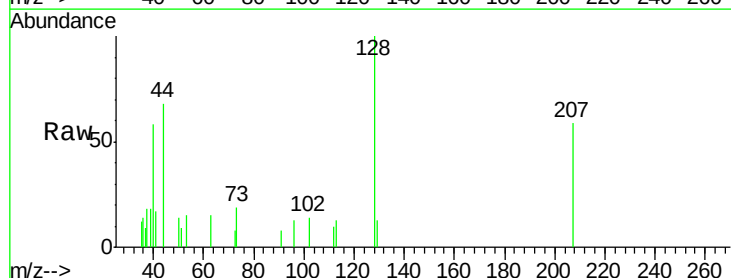
Tgt Ion: 128 Resp: 994

Ion Ratio Lower Upper

128 100

127 2.5 10.8 16.2#

129 6.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

