

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
 Data File : VW006579.D
 Acq On : 02 Nov 2018 01:35
 Operator : SY/AP
 Sample : J5199-07RE
 Misc : 6.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-103018RE

Quant Time: Nov 02 07:58:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	309168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	89293	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	103587	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.88	113	101010	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.33	98	51864	7.02	ug/l	0.00
Spiked Amount			Recovery	=	14.04%	
62) 4-Bromofluorobenzene	12.62	95	77051	28.77	ug/l	0.00
Spiked Amount			Recovery	=	57.54%	

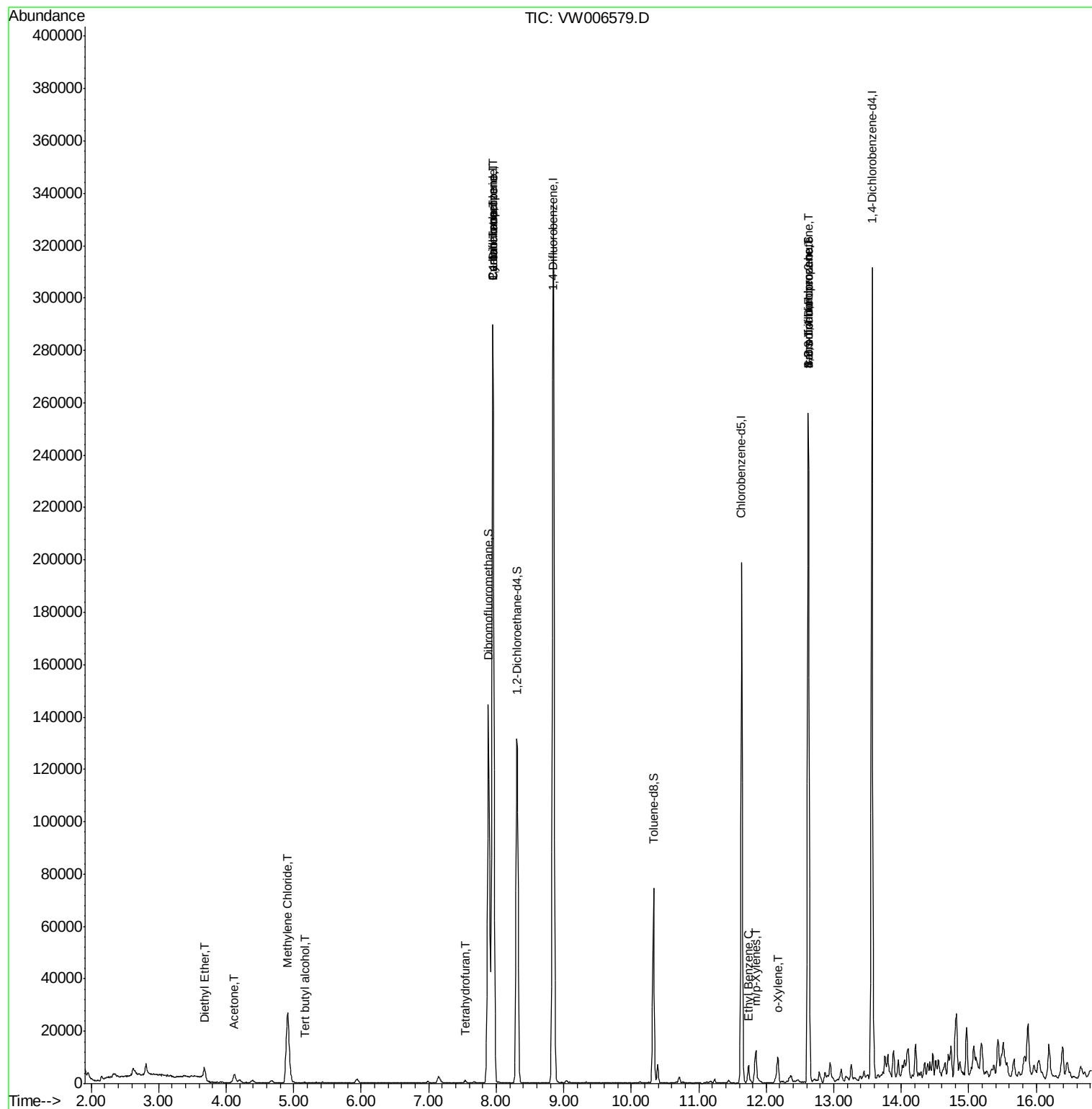
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	3117	3.033	ug/l	95
11) Tert butyl alcohol	5.18	59	140	1.272	ug/l #	84
16) Acetone	4.12	43	6147	18.634	ug/l	94
20) Methylene Chloride	4.91	84	22791	5.323	ug/l	97
29) Tetrahydrofuran	7.54	42	481	1.625	ug/l #	85
31) Cyclohexane	7.95	56	3988	1.225	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	15294	5.625	ug/l #	47
38) Carbon Tetrachloride	7.95	117	20729	7.296	ug/l #	16
67) Ethyl Benzene	11.74	91	4684	1.155	ug/l	94
68) m/p-Xylenes	11.85	106	4043	2.496	ug/l	99
69) o-Xylene	12.17	106	2675	1.735	ug/l	97
71) Bromoform	12.62	173	623	1.379	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	38009	54.557	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38009	136.428	ug/l #	11

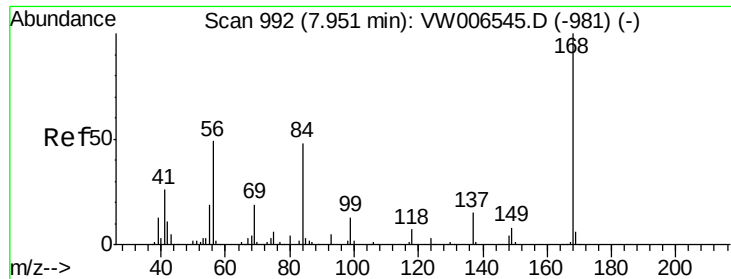
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006579.D

Acq: 02 Nov 2018 01:35

Instrument :

MSVOA_W

ClientSampleId :

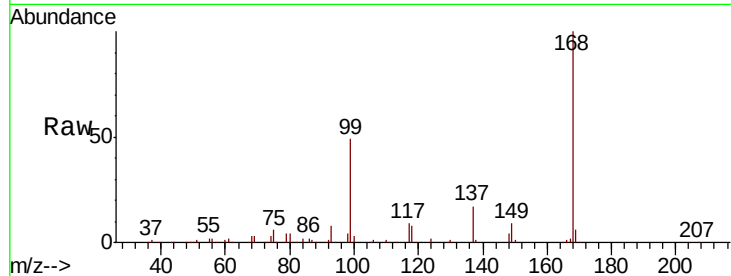
OK-01-103018RE

Tgt Ion:168 Resp: 237698

Ion Ratio Lower Upper

168 100

99 48.5 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

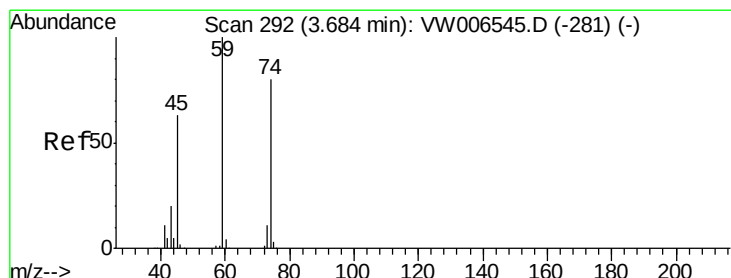
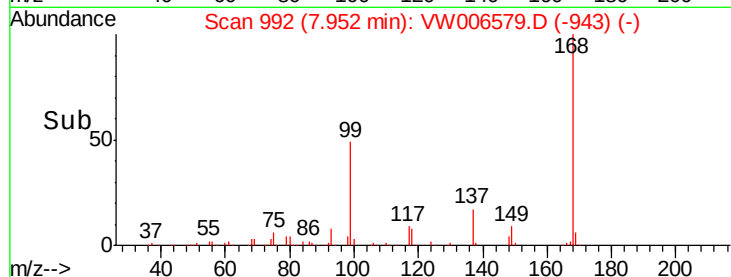
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 3.033 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006579.D

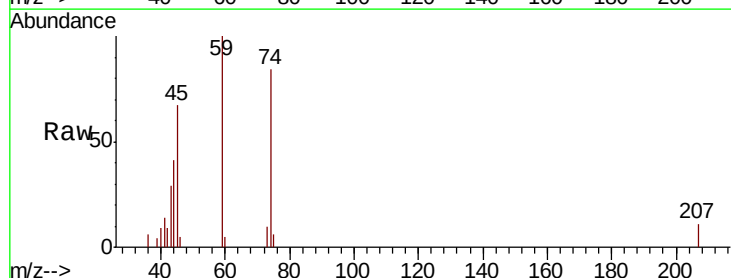
Acq: 02 Nov 2018 01:35

Tgt Ion: 74 Resp: 3117

Ion Ratio Lower Upper

74 100

45 87.1 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

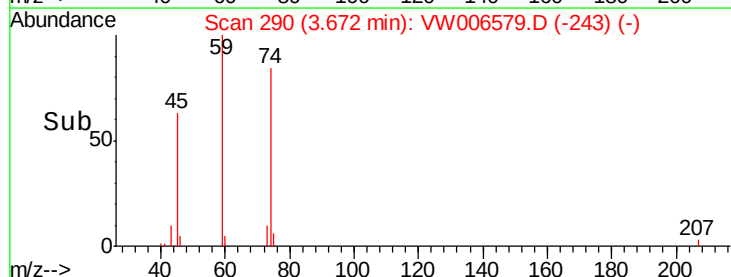
1500

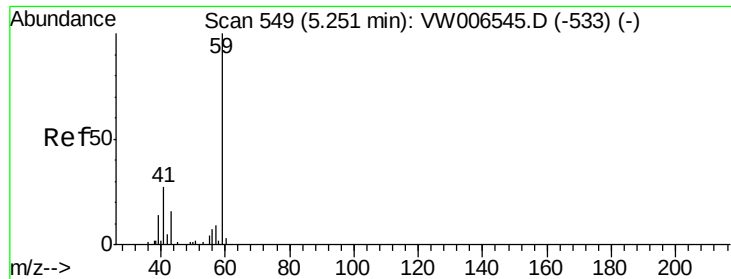
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500

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Time-->

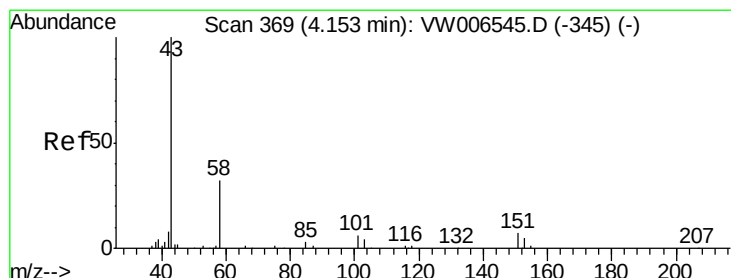
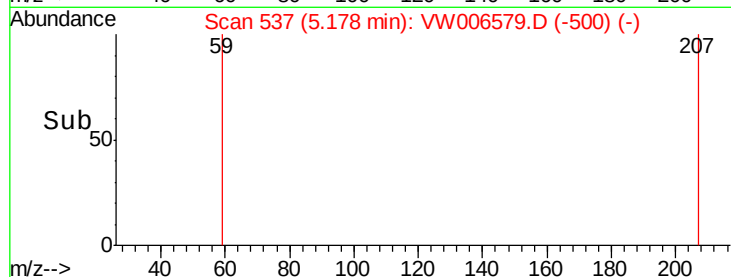
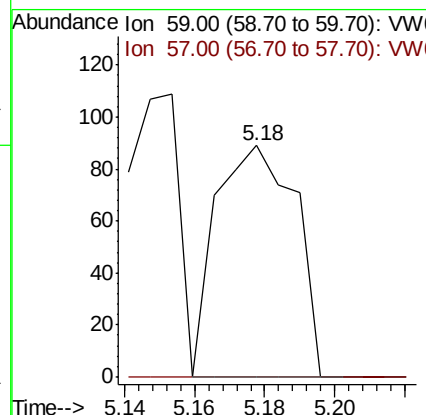
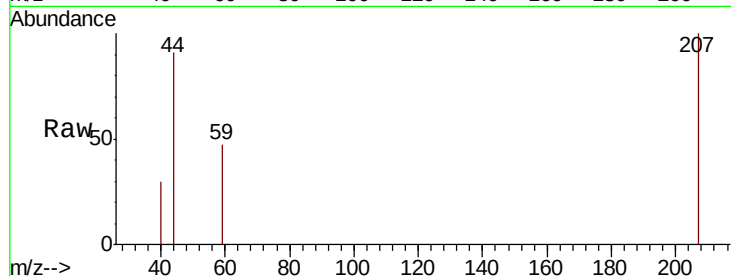




#11
Tert butyl alcohol
Concen: 1.272 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.07 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

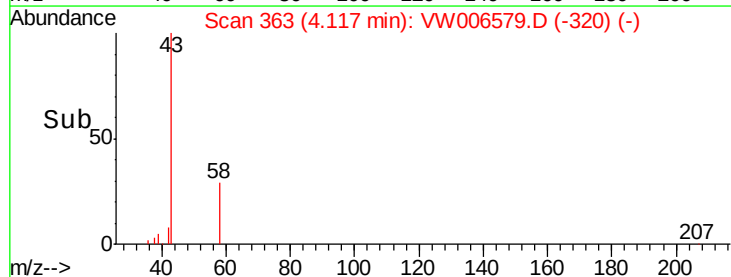
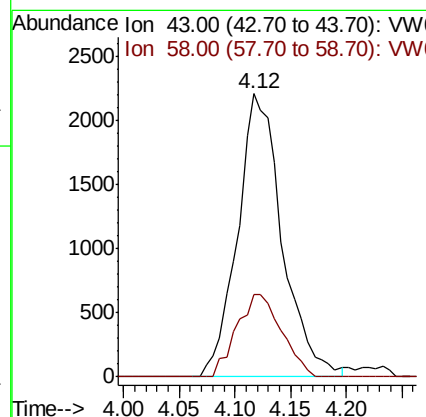
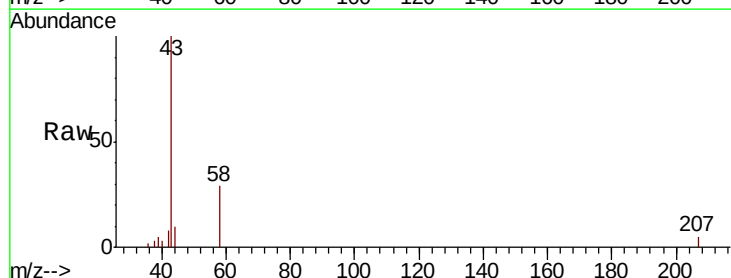
Instrument :
MSVOA_W
ClientSampleId :
OK-01-103018RE

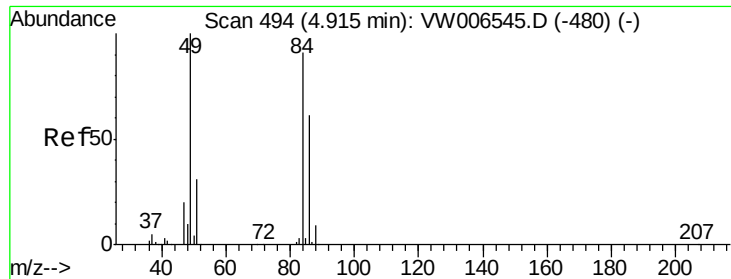
Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#



#16
Acetone
Concen: 18.634 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.04 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

Tgt Ion: 43 Resp: 6147
Ion Ratio Lower Upper
43 100
58 29.1 25.8 38.8

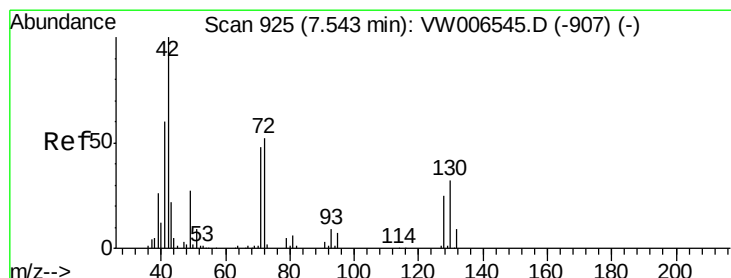
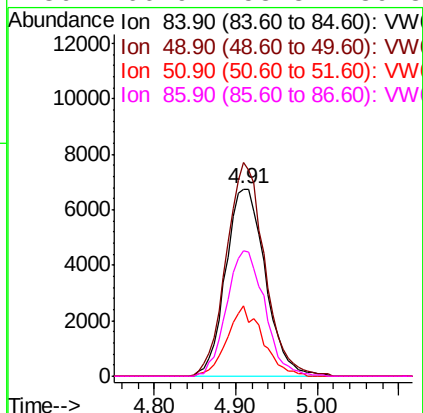
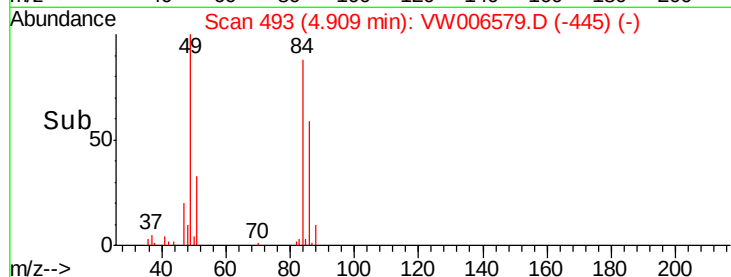
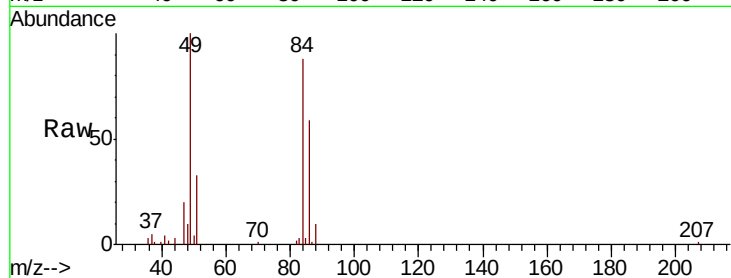




#20
Methylene Chloride
Concen: 5.323 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

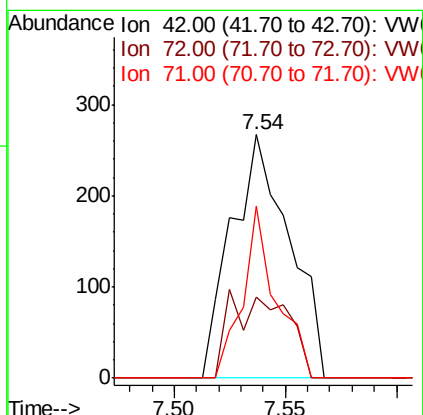
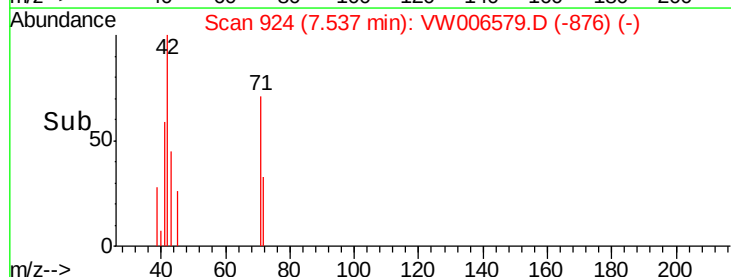
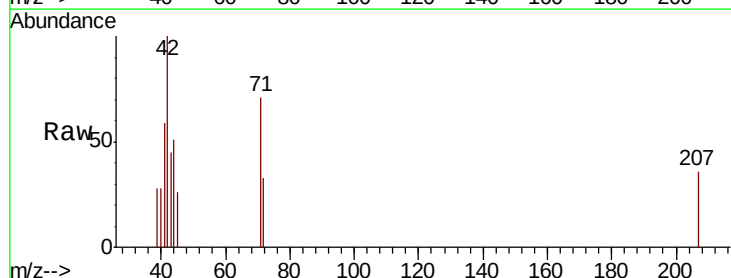
Instrument :
MSVOA_W
ClientSampleId :
OK-01-103018RE

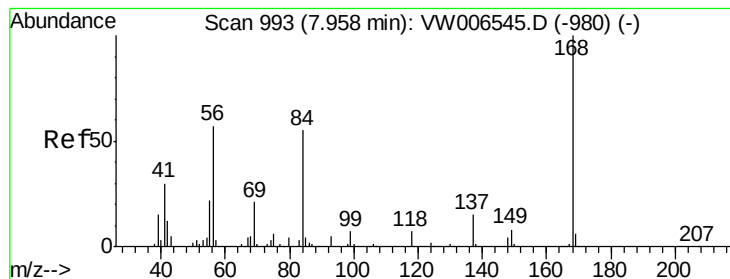
Tgt Ion:	84	Resp:	22791
Ion	Ratio	Lower	Upper
84	100		
49	114.0	88.2	132.4
51	37.5	27.0	40.6
86	66.9	53.8	80.8



#29
Tetrahydrofuran
Concen: 1.625 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

Tgt Ion:	42	Resp:	481
Ion	Ratio	Lower	Upper
42	100		
72	34.3	39.2	58.8#
71	41.4	37.6	56.4





#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006579.D

Acq: 02 Nov 2018 01:35

Instrument :

MSVOA_W

ClientSampleId :

OK-01-103018RE

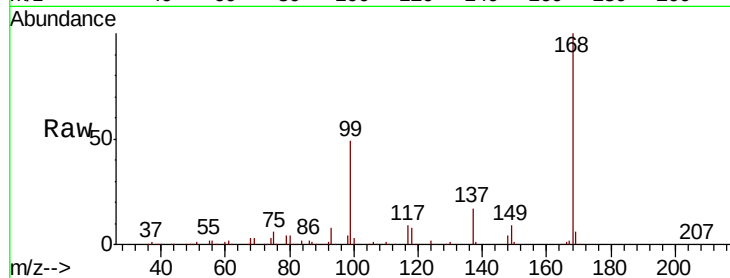
Tgt Ion: 56 Resp: 3988

Ion Ratio Lower Upper

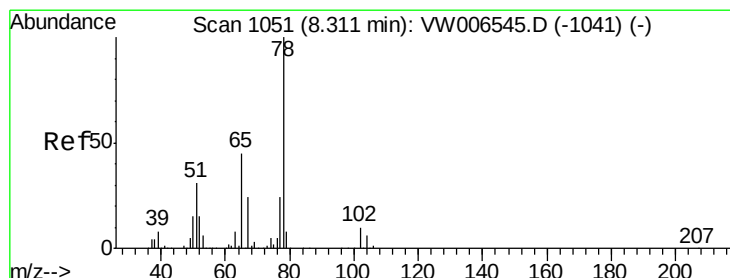
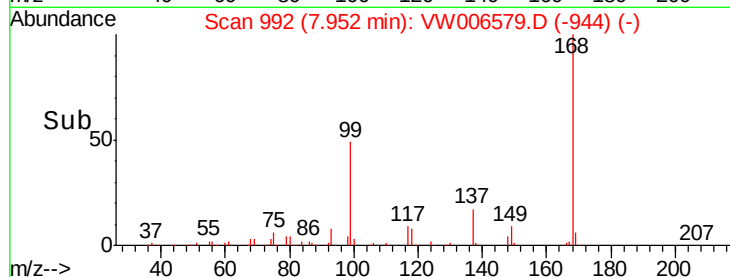
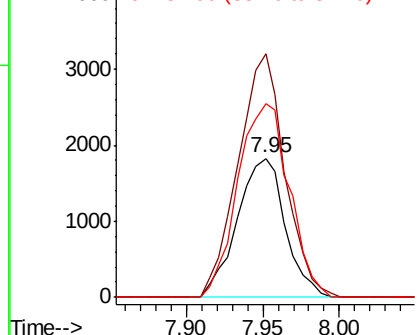
56 100

69 175.2 29.0 43.4#

84 139.2 77.8 116.6#



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: 50.697 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006579.D

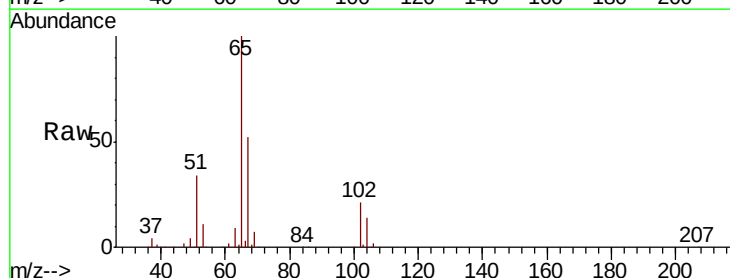
Acq: 02 Nov 2018 01:35

Tgt Ion: 65 Resp: 103587

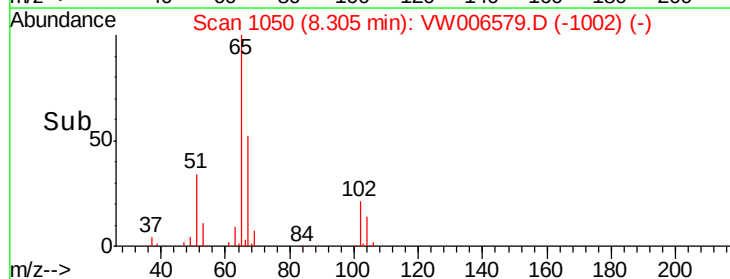
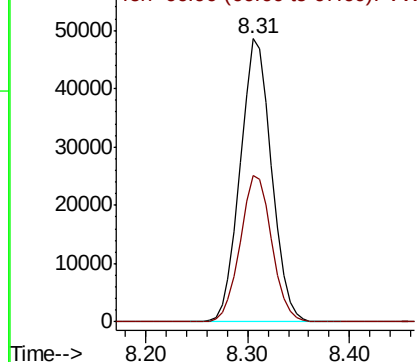
Ion Ratio Lower Upper

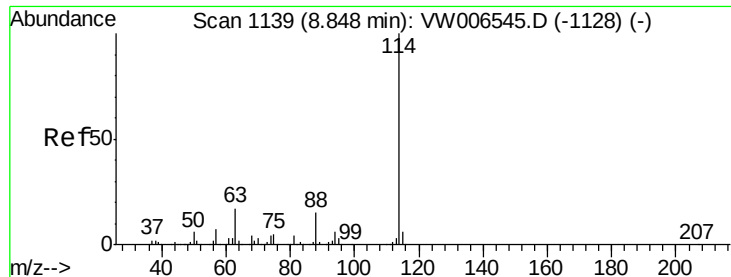
65 100

67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

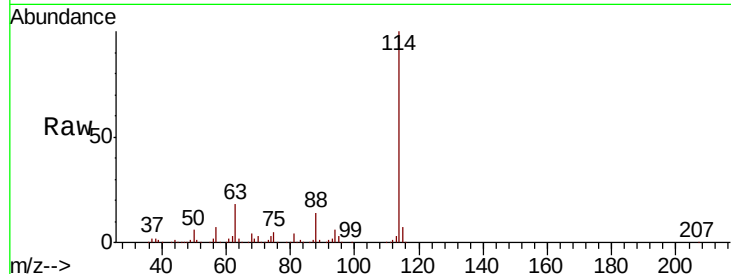




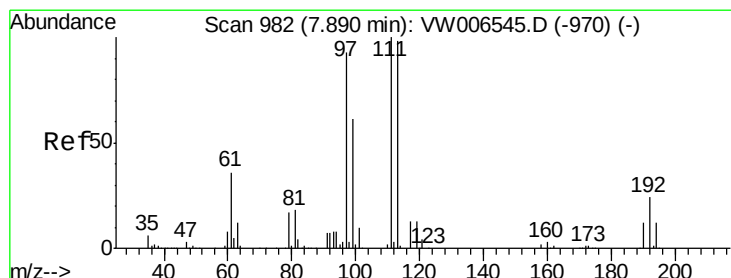
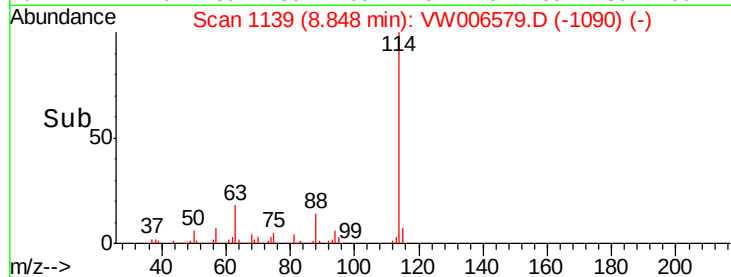
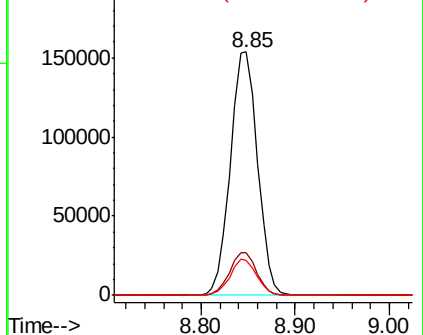
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006579.D
 Acq: 02 Nov 2018 01:35

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-103018RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	34.4
88	14.4	0.0	29.0

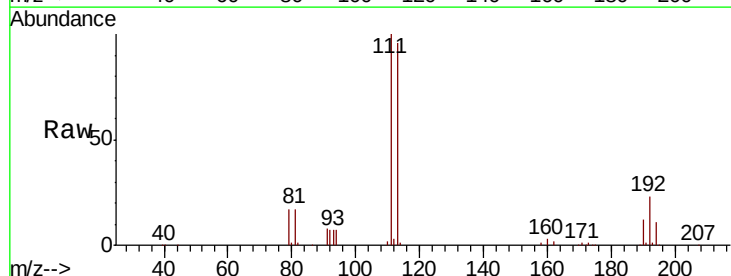


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

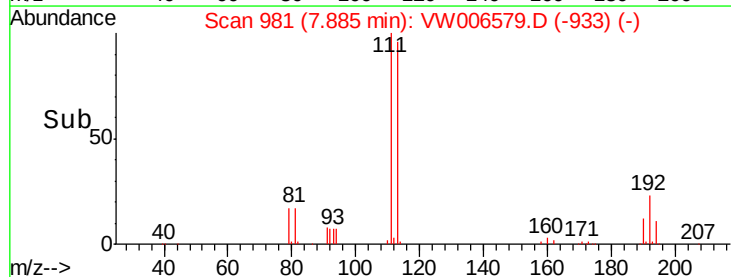
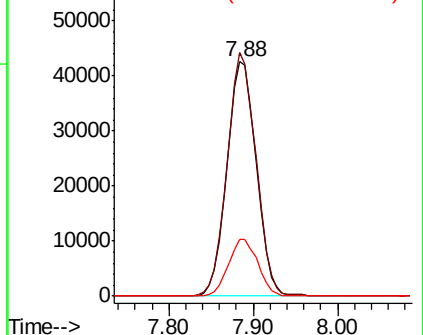


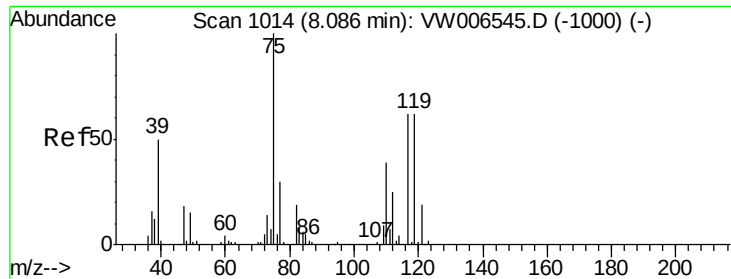
#35
 Dibromofluoromethane
 Concen: 52.060 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006579.D
 Acq: 02 Nov 2018 01:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.2
192	24.1	19.0	28.6



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

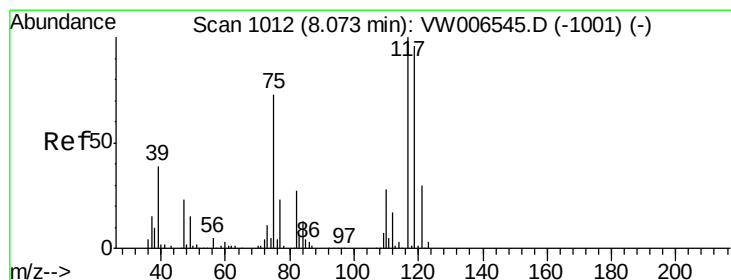
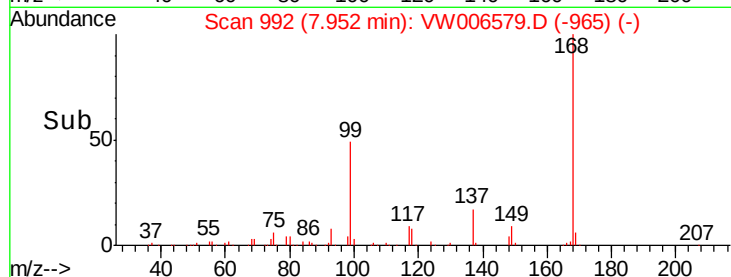
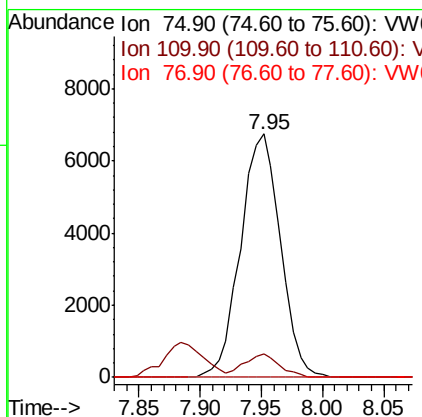
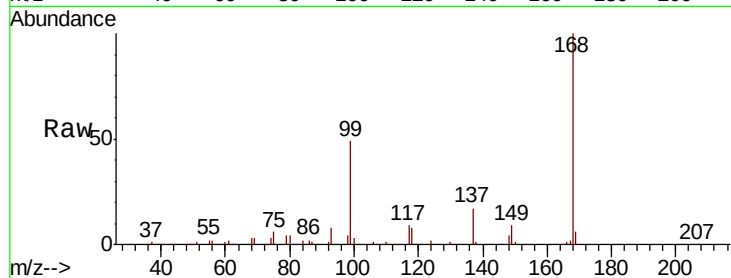




#36
 1,1-Dichloropropene
 Concen: 5.625 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006579.D
 Acq: 02 Nov 2018 01:35

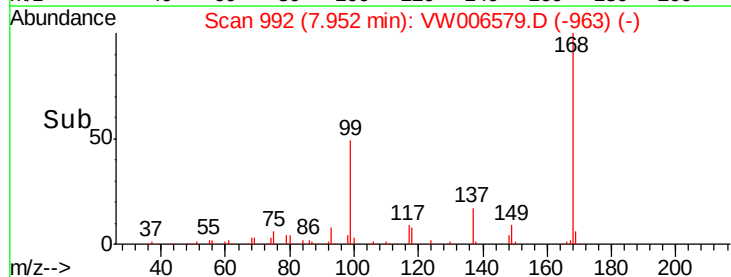
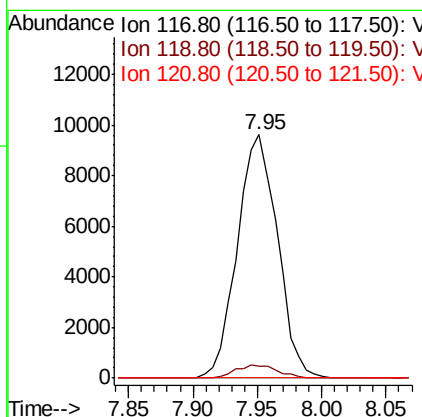
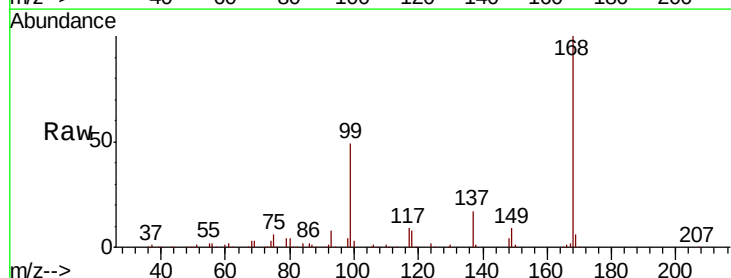
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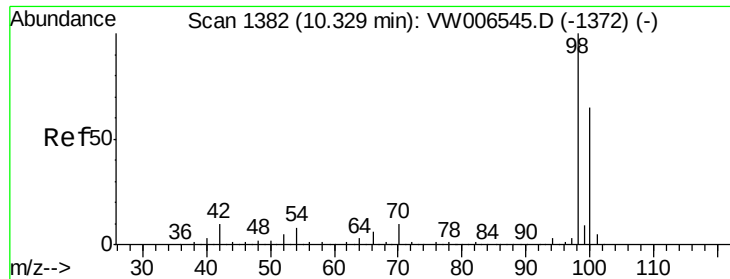
Tgt Ion: 75 Resp: 15294
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.296 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006579.D
 Acq: 02 Nov 2018 01:35

Tgt Ion: 117 Resp: 20729
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.3 114.5#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 7.022 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006579.D

Acq: 02 Nov 2018 01:35

Instrument :

MSVOA_W

ClientSampleId :

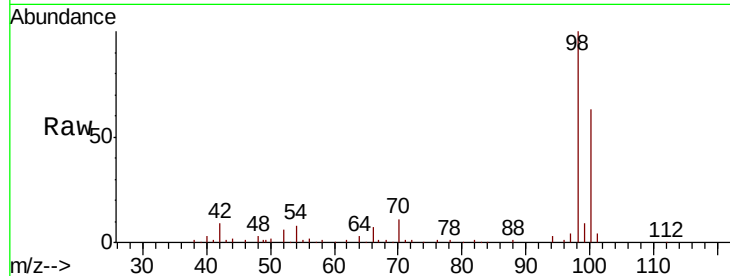
OK-01-103018RE

Tgt Ion: 98 Resp: 51864

Ion Ratio Lower Upper

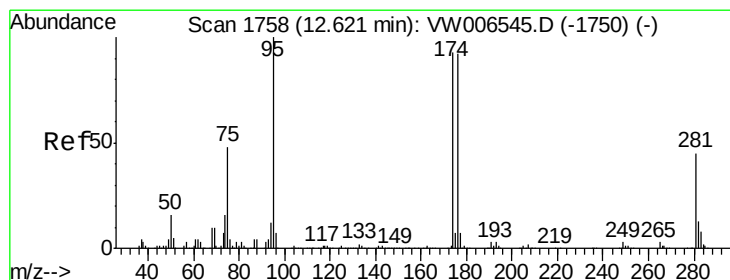
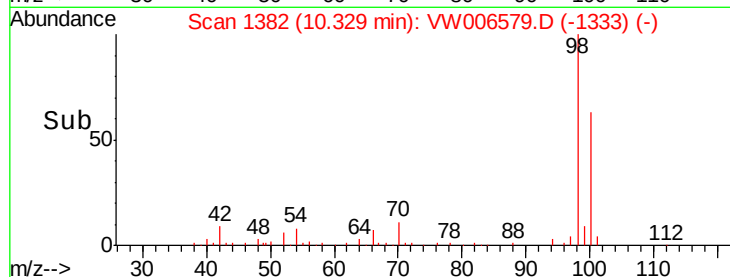
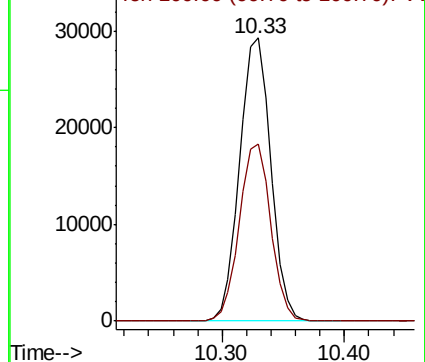
98 100

100 63.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 28.774 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006579.D

Acq: 02 Nov 2018 01:35

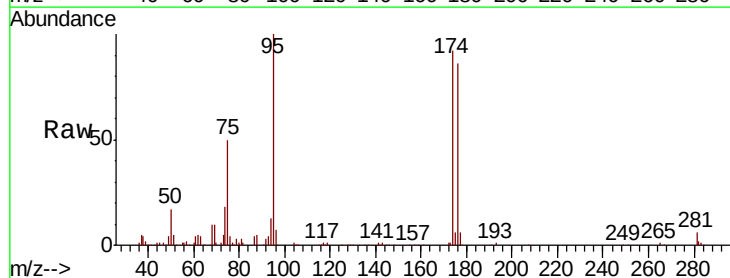
Tgt Ion: 95 Resp: 77051

Ion Ratio Lower Upper

95 100

174 98.2 0.0 192.4

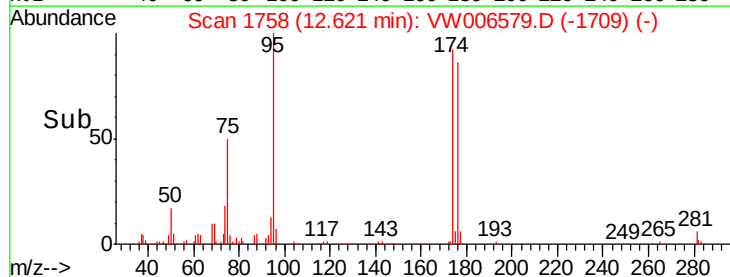
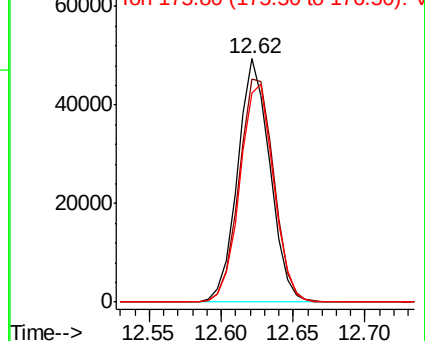
176 93.5 0.0 187.4

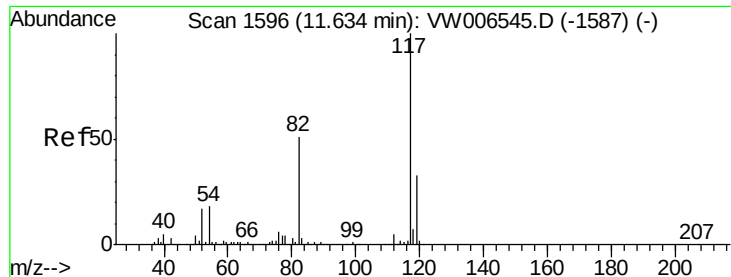


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

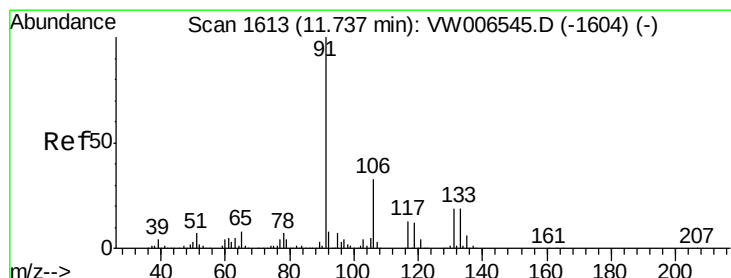
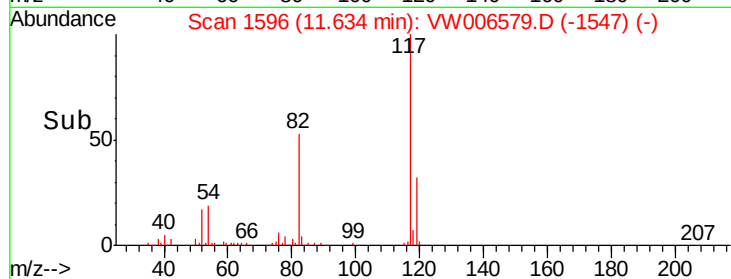
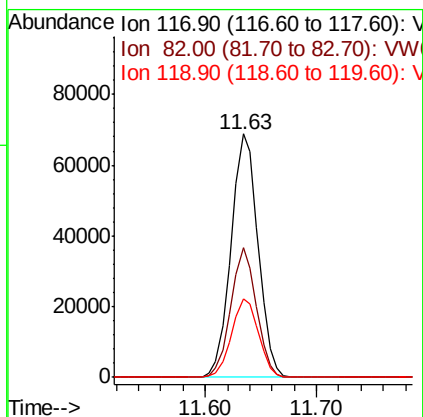
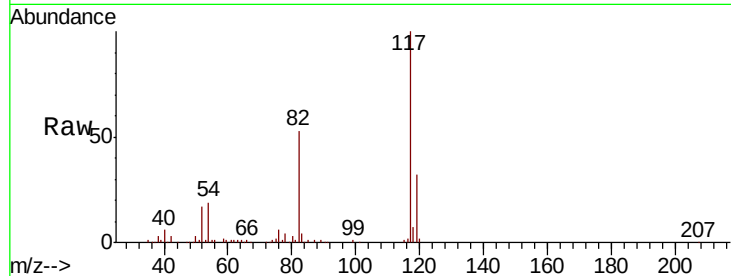




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

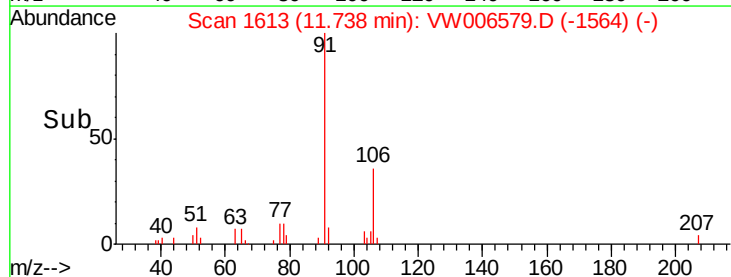
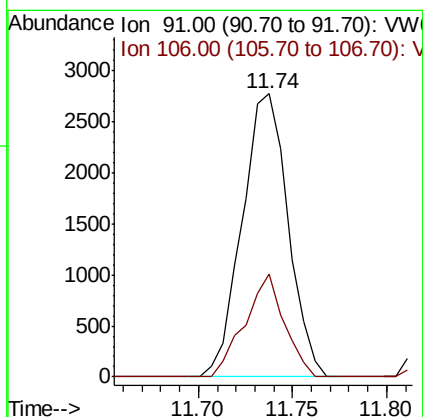
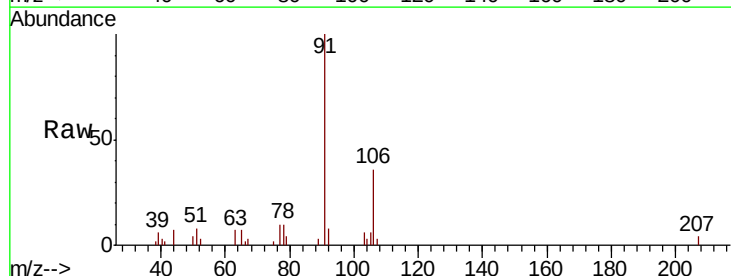
Instrument :
MSVOA_W
ClientSampleId :
OK-01-103018RE

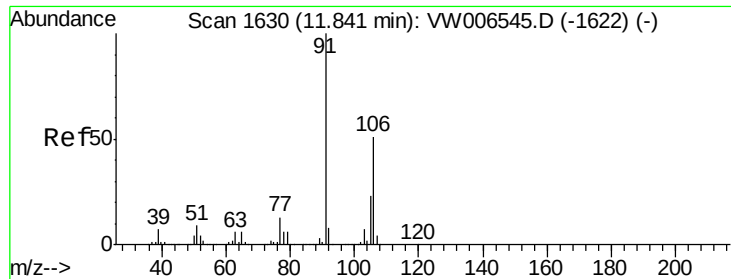
Tgt Ion: 117 Resp: 115267
Ion Ratio Lower Upper
117 100
82 53.3 40.8 61.2
119 32.1 26.1 39.1



#67
Ethyl Benzene
Concen: 1.155 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

Tgt Ion: 91 Resp: 4684
Ion Ratio Lower Upper
91 100
106 36.5 26.3 39.5

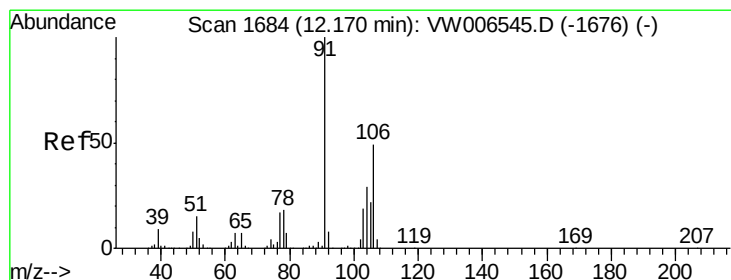
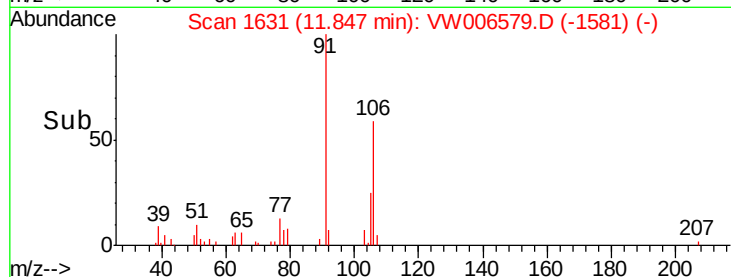
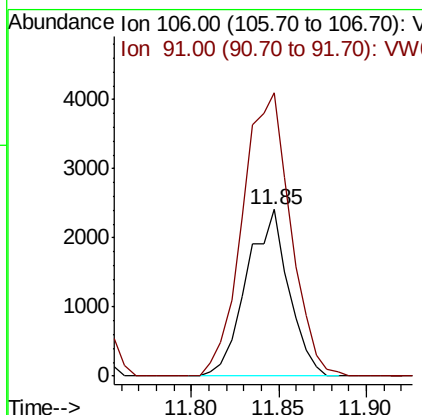
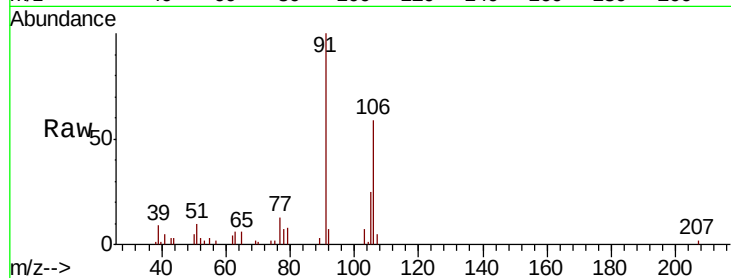




#68
m/p-Xylenes
Concen: 2.496 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

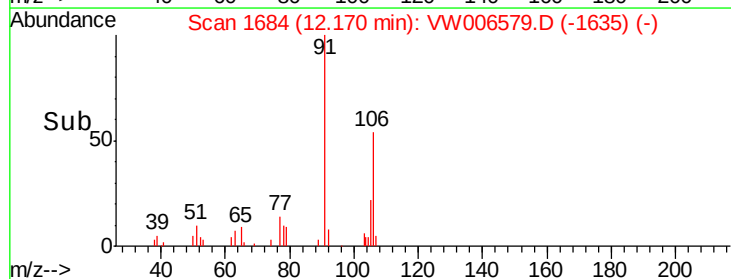
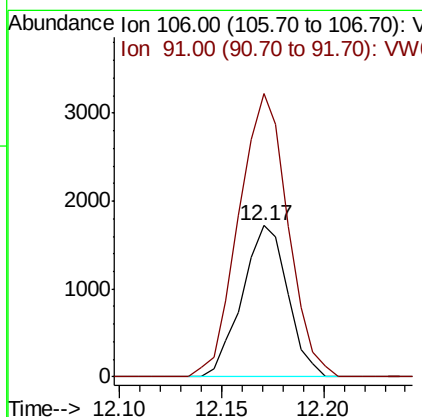
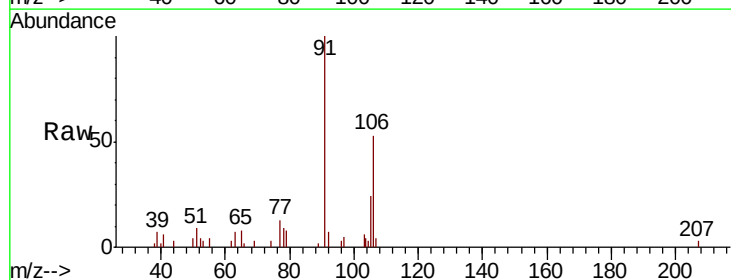
Instrument :
MSVOA_W
ClientSampleId :
OK-01-103018RE

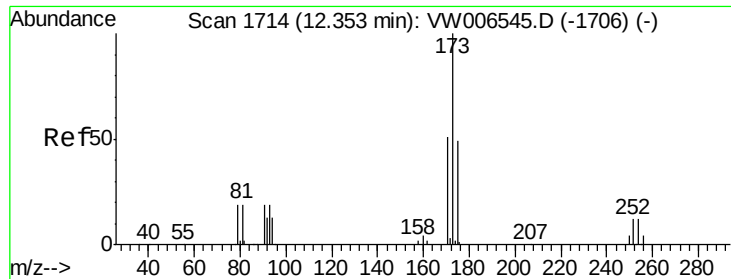
Tgt Ion:106 Resp: 4043
Ion Ratio Lower Upper
106 100
91 193.7 156.7 235.1



#69
o-Xylene
Concen: 1.735 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006579.D
Acq: 02 Nov 2018 01:35

Tgt Ion:106 Resp: 2675
Ion Ratio Lower Upper
106 100
91 201.5 102.8 308.4





#71

Bromoform

Concen: 1.379 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.27 min

Lab File: VW006579.D

Acq: 02 Nov 2018 01:35

Instrument :

MSVOA_W

ClientSampleId :

OK-01-103018RE

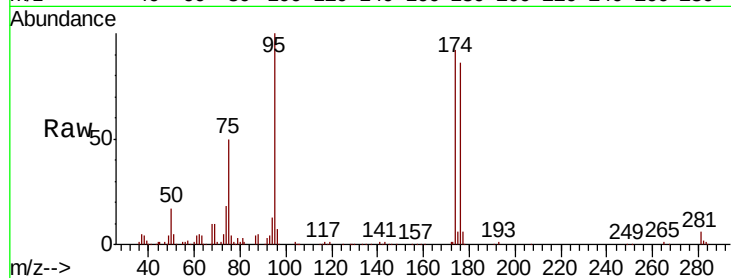
Tgt Ion:173 Resp: 623

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

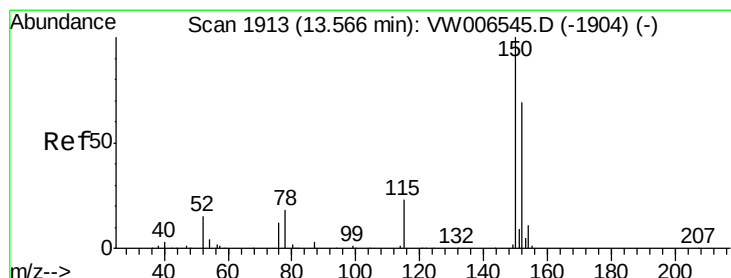
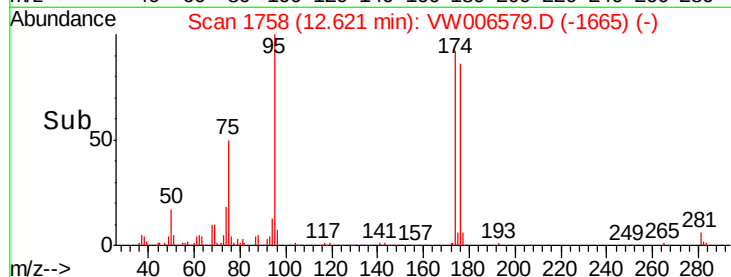
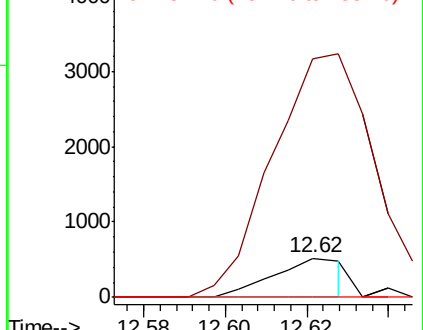
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VW006579.D

Acq: 02 Nov 2018 01:35

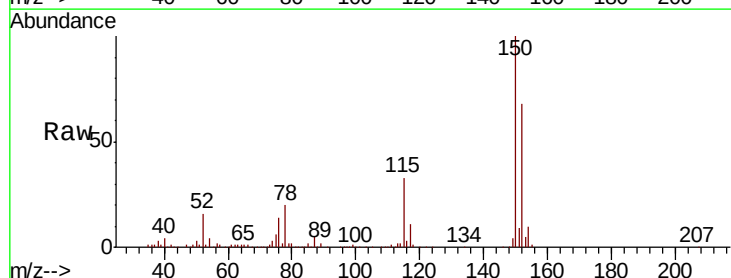
Tgt Ion:152 Resp: 89293

Ion Ratio Lower Upper

152 100

115 52.6 26.6 79.8

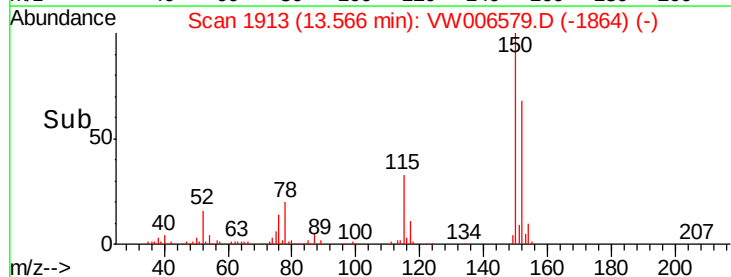
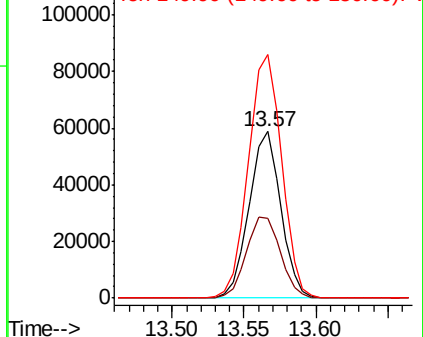
150 153.4 0.0 344.6

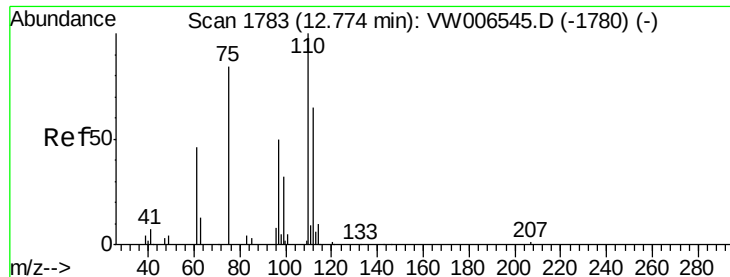


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.557 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006579.D

Acq: 02 Nov 2018 01:35

Instrument :

MSVOA_W

ClientSampleId :

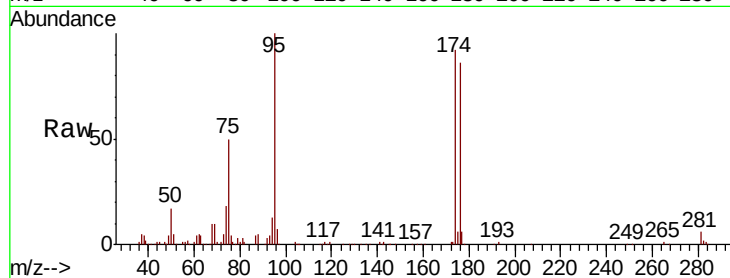
OK-01-103018RE

Tgt Ion: 75 Resp: 38009

Ion Ratio Lower Upper

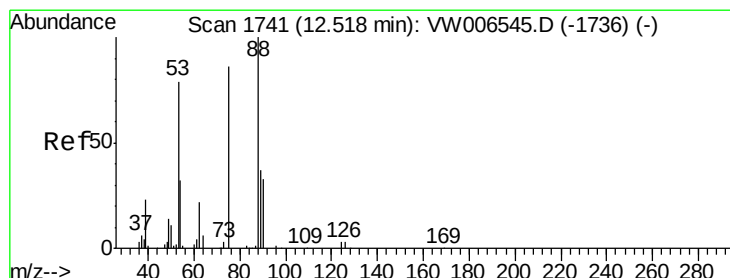
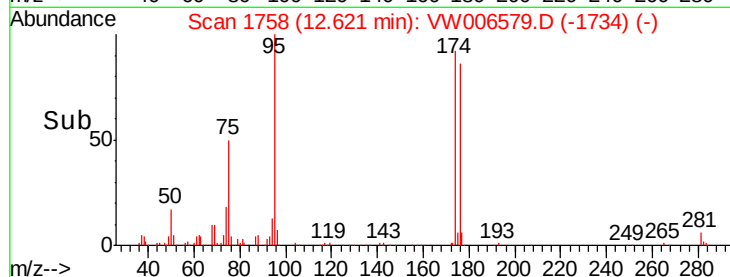
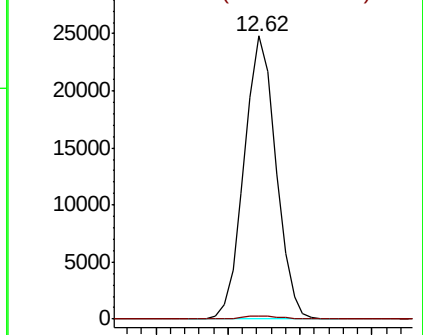
75 100

77 1.2 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: 136.428 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006579.D

Acq: 02 Nov 2018 01:35

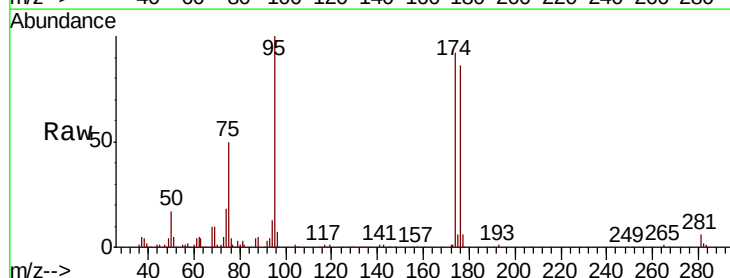
Tgt Ion: 75 Resp: 38009

Ion Ratio Lower Upper

75 100

53 0.1 77.2 115.8#

89 0.0 38.6 58.0#



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

