

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003538.D
 Acq On : 25 Jun 2018 05:18
 Operator : SY/AP
 Sample : J3669-28
 Misc : 7.12G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-27-29-180620

Quant Time: Jun 25 06:44:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	152375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	273110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	258300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	148694	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	117407	71.14	ug/l	0.00
Spiked Amount			Recovery	=	142.28%	
35) Dibromofluoromethane	7.88	113	102916	60.64	ug/l	0.00
Spiked Amount			Recovery	=	121.28%	
50) Toluene-d8	10.33	98	365002	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
62) 4-Bromofluorobenzene	12.62	95	168894	70.92	ug/l	0.00
Spiked Amount			Recovery	=	141.84%	

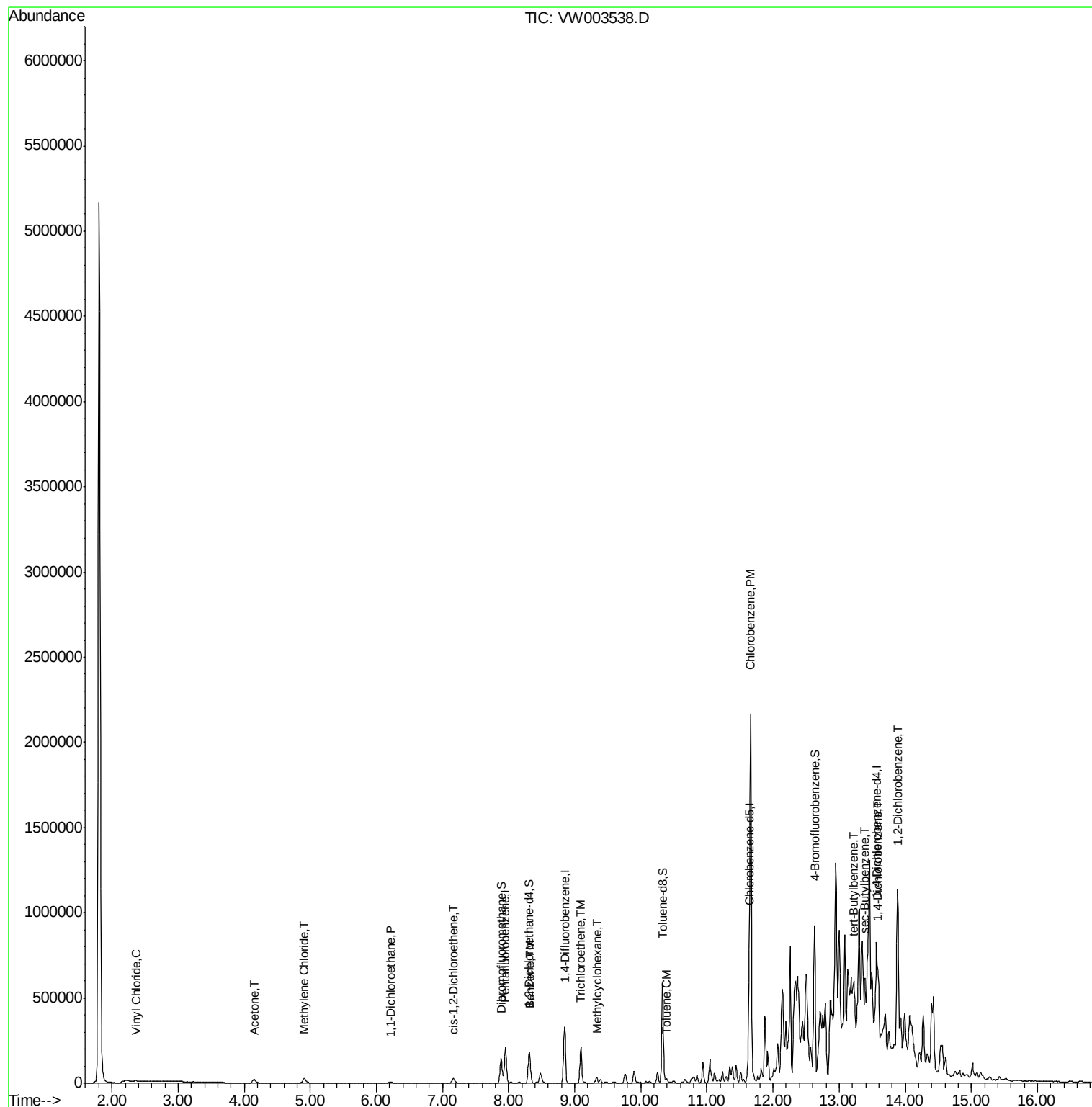
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	7734	4.56	ug/l	96
16) Acetone	4.15	43	44872	129.63	ug/l	98
20) Methylene Chloride	4.92	84	20791	11.30	ug/l	93
24) 1,1-Dichloroethane	6.21	63	9350	3.28	ug/l #	94
27) cis-1,2-Dichloroethene	7.17	96	7214	4.37	ug/l	97
39) Methylcyclohexane	9.34	83	3586	1.18	ug/l #	31
40) Benzene	8.32	78	58942	8.11	ug/l	95
44) Trichloroethene	9.10	130	69197	35.92	ug/l	93
52) Toluene	10.39	92	9213	1.98	ug/l	98
65) Chlorobenzene	11.66	112	1101806	204.84	ug/l	100
83) tert-Butylbenzene	13.21	119	39547	5.35	ug/l	94
85) sec-Butylbenzene	13.39	105	19608	1.78	ug/l #	12
88) 1,4-Dichlorobenzene	13.58	146	72005	14.64	ug/l #	73
91) 1,2-Dichlorobenzene	13.88	146	179157	41.33	ug/l	90

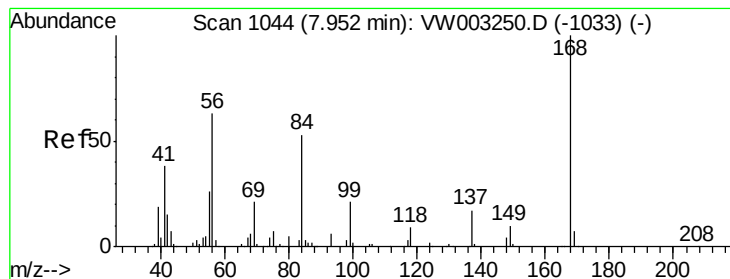
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003538.D

Acq: 25 Jun 2018 05:18

Instrument :

MSVOA_W

ClientSampleId :

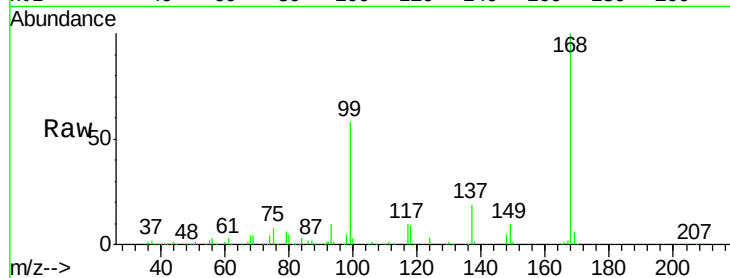
WP021SB474-27-29-180620

Tot Ion:168 Resp: 152375

Ion Ratio Lower Upper

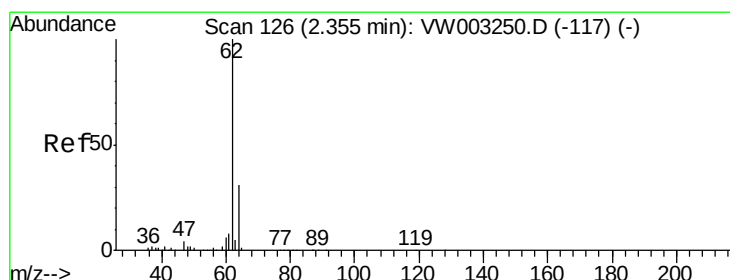
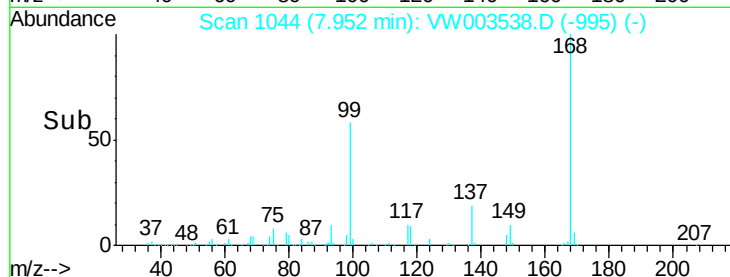
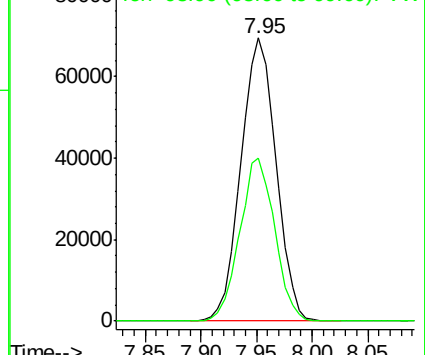
168 100

99 57.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 4.56 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003538.D

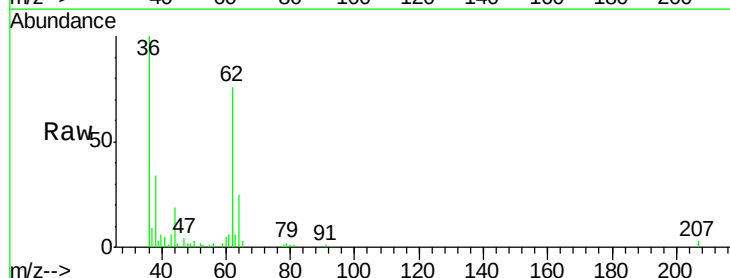
Acq: 25 Jun 2018 05:18

Tgt Ion: 62 Resp: 7734

Ion Ratio Lower Upper

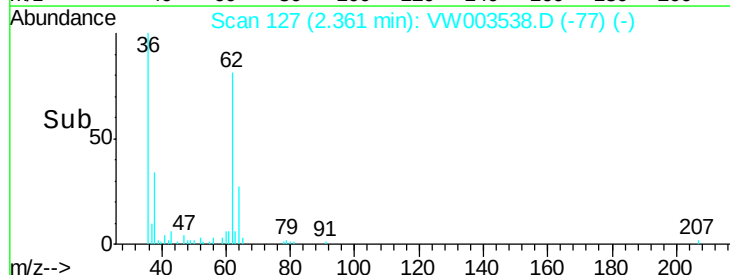
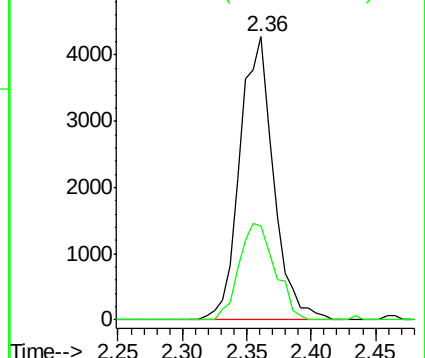
62 100

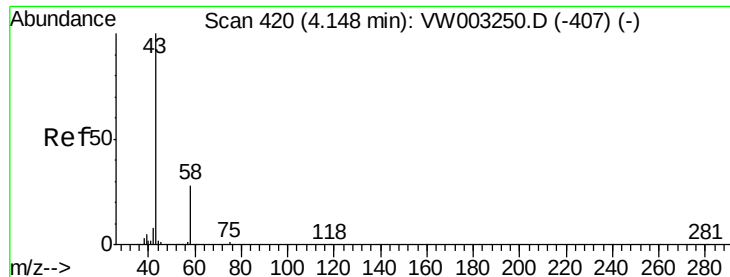
64 33.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#16

Acetone

Concen: 129.63 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003538.D

Acq: 25 Jun 2018 05:18

Instrument :

MSVOA_W

ClientSampleId :

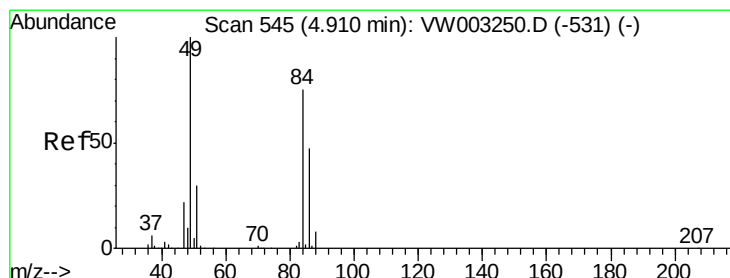
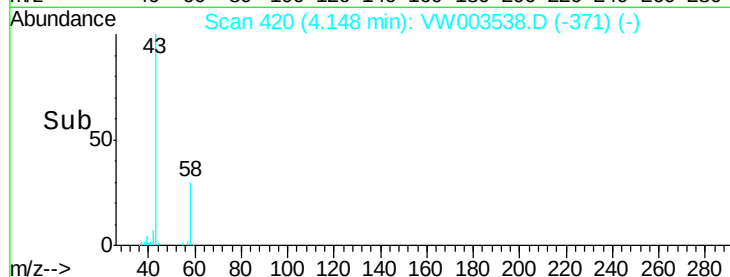
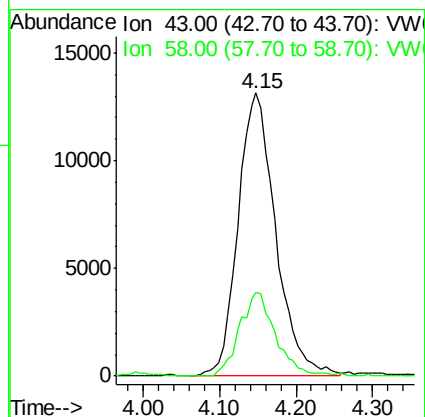
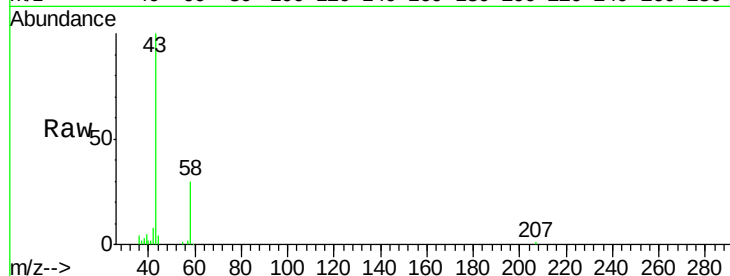
WP021SB474-27-29-180620

Tot Ion: 43 Resp: 44872

Ion Ratio Lower Upper

43 100

58 29.6 22.6 34.0



#20

Methylene Chloride

Concen: 11.30 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003538.D

Acq: 25 Jun 2018 05:18

Tgt Ion: 84 Resp: 20791

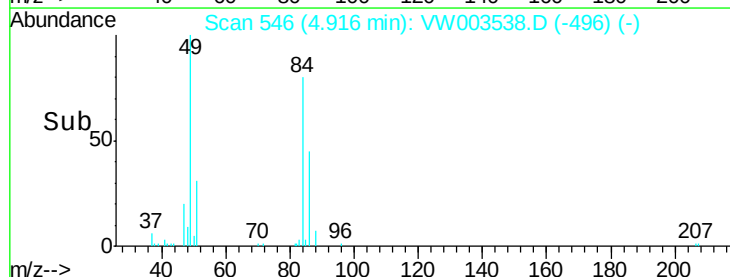
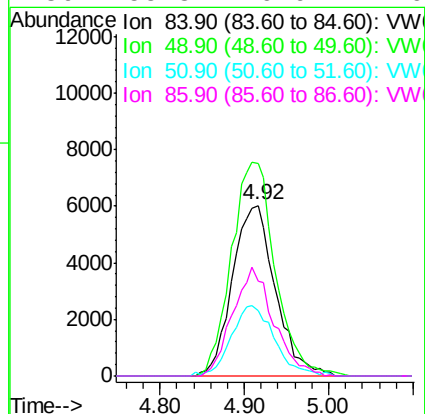
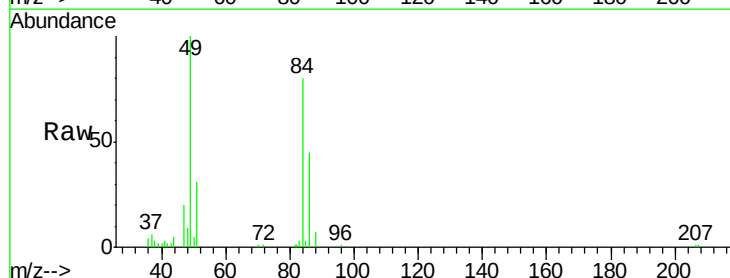
Ion Ratio Lower Upper

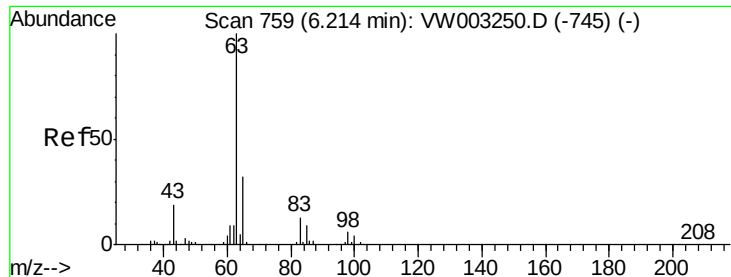
84 100

49 124.9 106.3 159.5

51 38.4 32.0 48.0

86 55.8 49.9 74.9

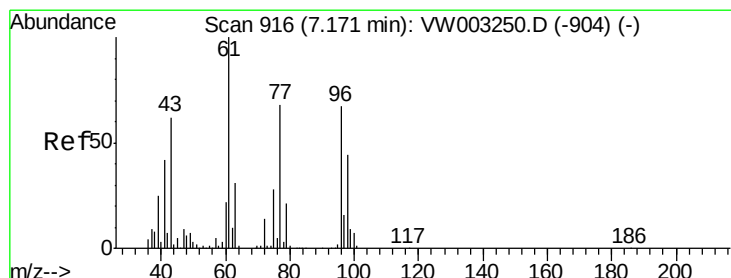
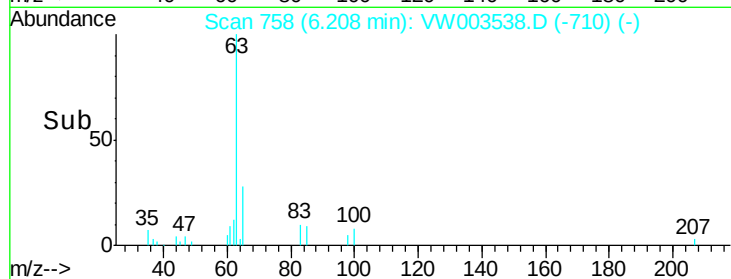
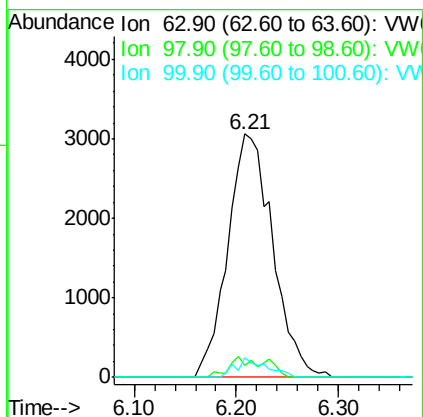
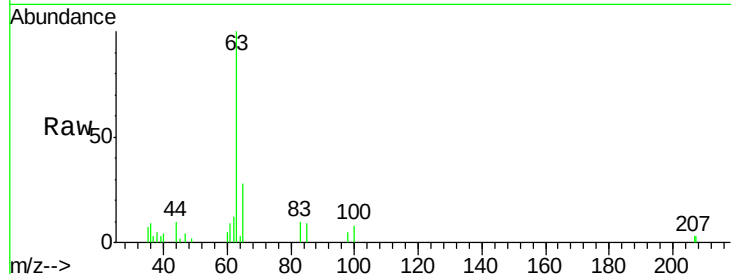




#24
 1,1-Dichloroethane
 Concen: 3.28 ug/l
 RT: 6.21 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VW003538.D
 Acq: 25 Jun 2018 05:18

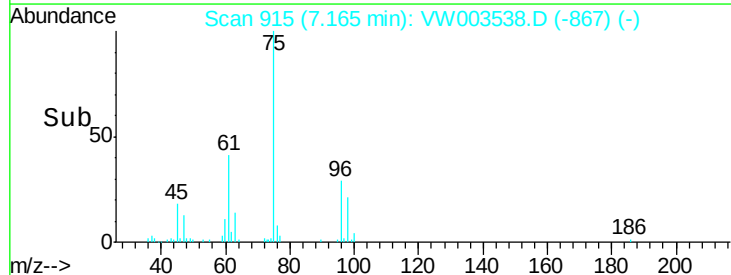
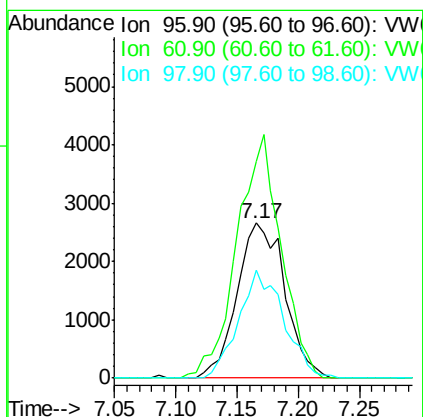
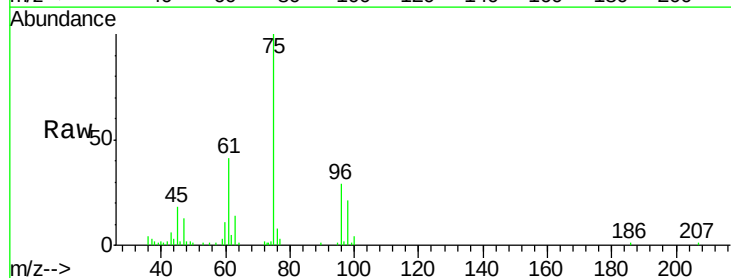
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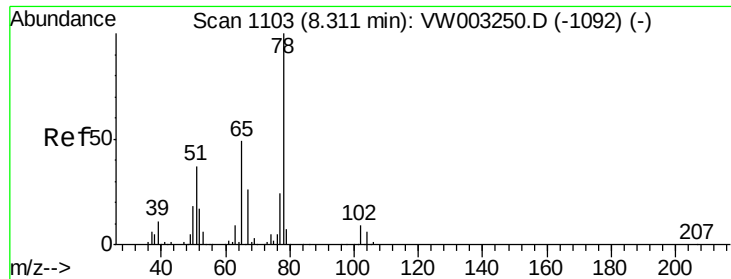
Tot Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.8	8.3
100	8.0	2.1	6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 4.37 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003538.D
 Acq: 25 Jun 2018 05:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	298.8
98	65.5	0.0	130.4

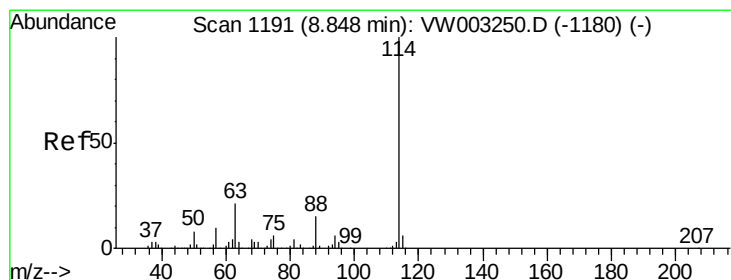
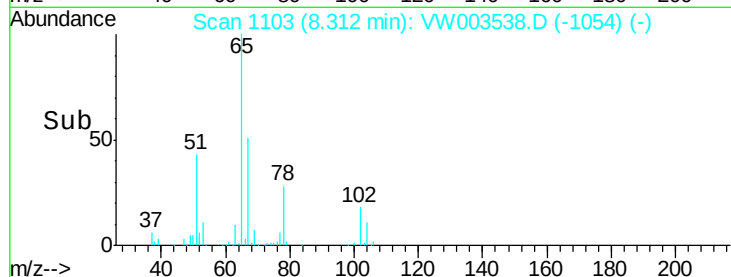
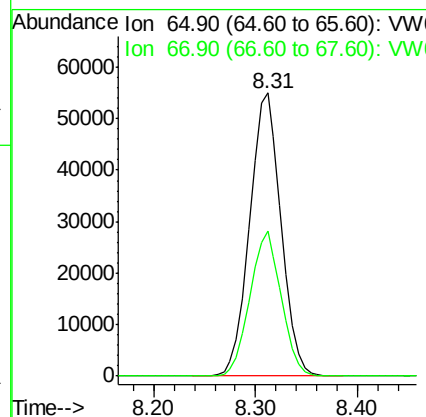
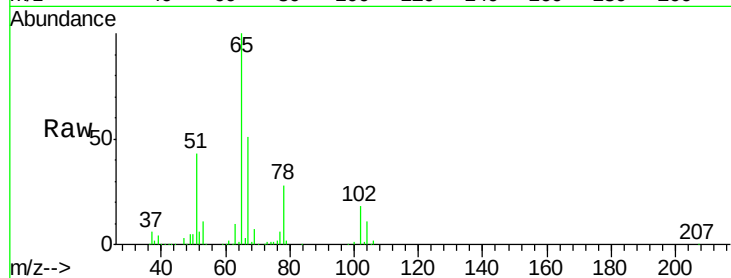




#33
 1,2-Dichloroethane-d4
 Concen: 71.14 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003538.D
 Acq: 25 Jun 2018 05:18

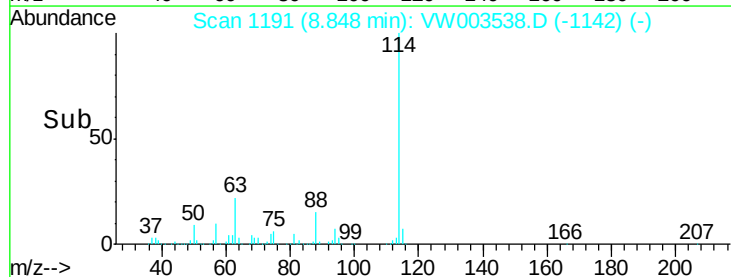
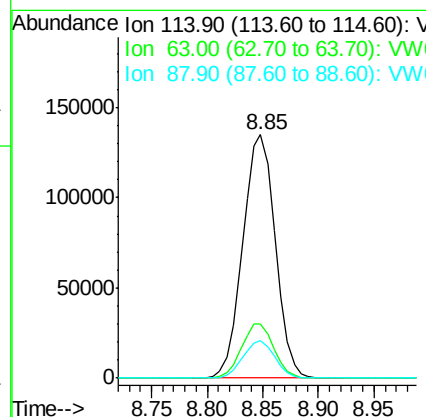
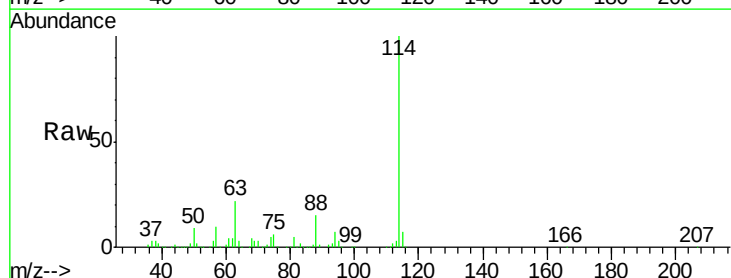
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-27-29-180620

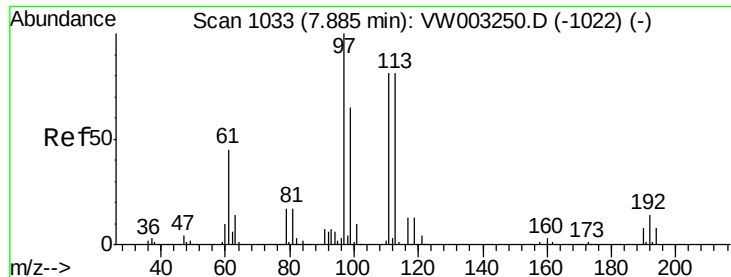
Tot Ion: 65 Resp: 117407
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003538.D
 Acq: 25 Jun 2018 05:18

Tgt Ion: 114 Resp: 273110
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.0
 88 15.3 0.0 29.6

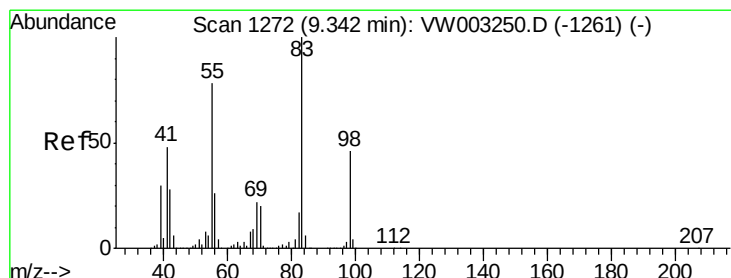
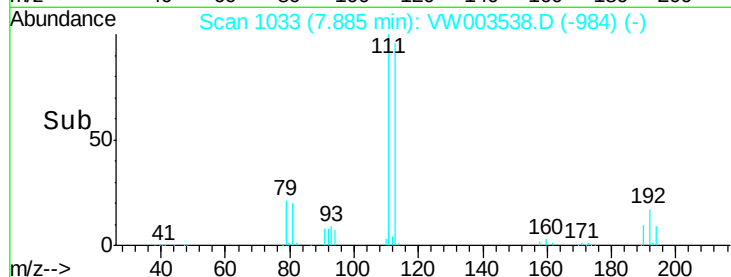
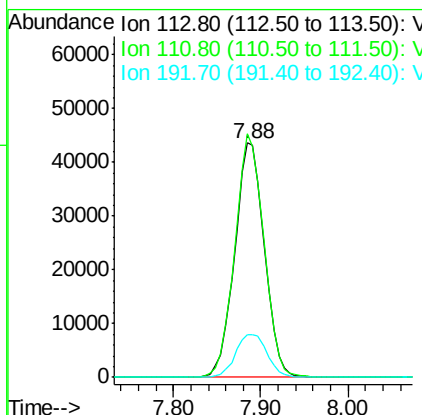
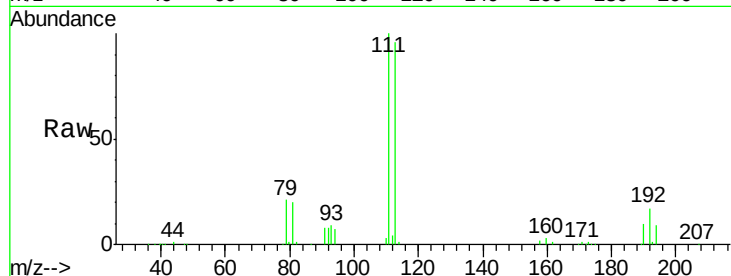




#35
Dibromofluoromethane
Concen: 60.64 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

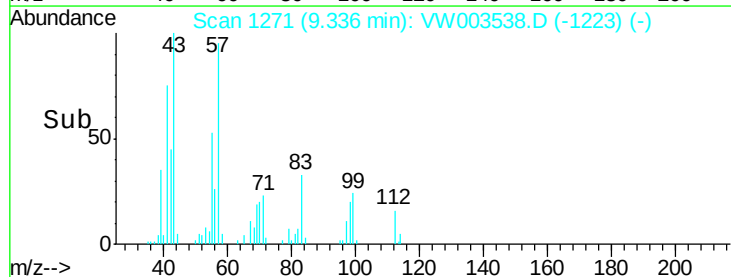
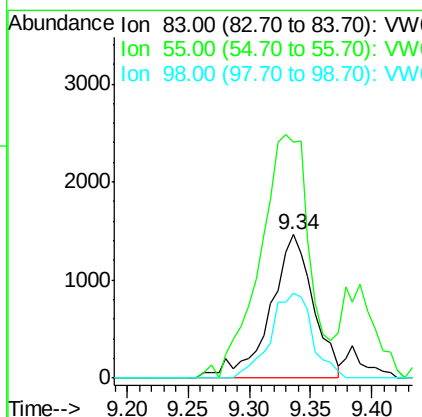
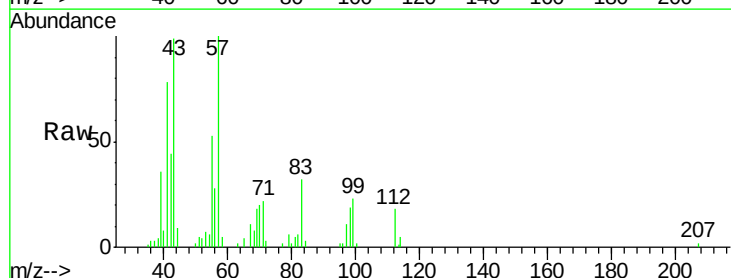
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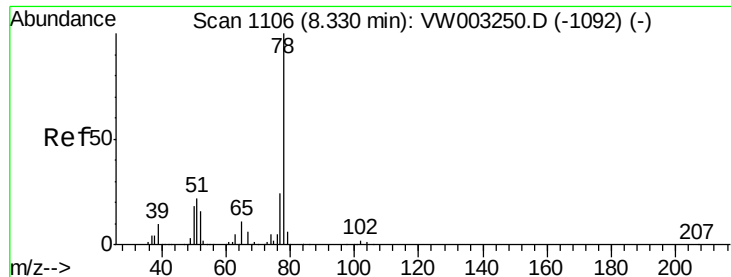
Tot Ion:113 Resp: 102916
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 19.4 16.2 24.2



#39
Methylcyclohexane
Concen: 1.18 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

Tgt Ion: 83 Resp: 3586
Ion Ratio Lower Upper
83 100
55 164.1 62.6 93.8#
98 58.9 37.0 55.4#





#40

Benzene

Concen: 8.11 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW003538.D

Acq: 25 Jun 2018 05:18

Instrument :

MSVOA_W

ClientSampleId :

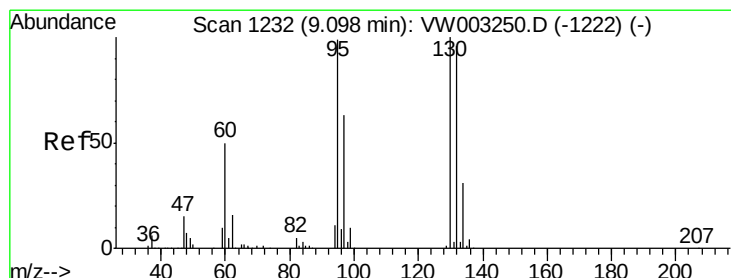
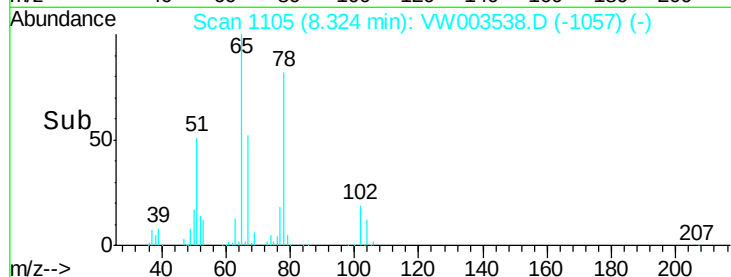
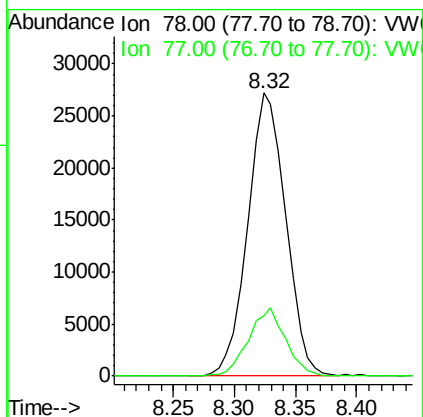
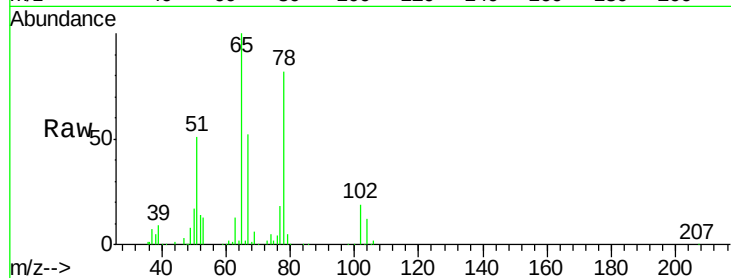
WP021SB474-27-29-180620

Tot Ion: 78 Resp: 58942

Ion Ratio Lower Upper

78 100

77 21.4 19.0 28.6



#44

Trichloroethene

Concen: 35.92 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003538.D

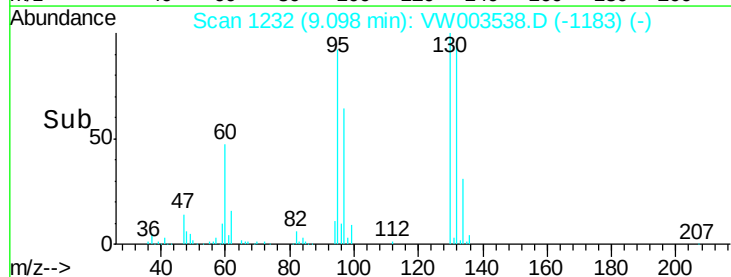
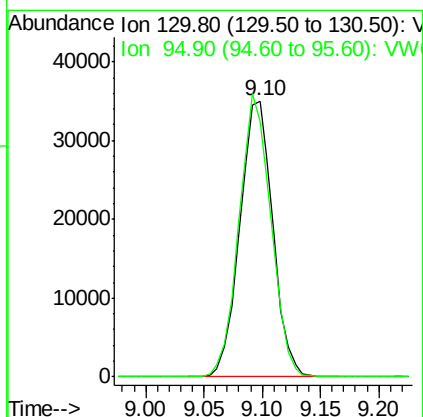
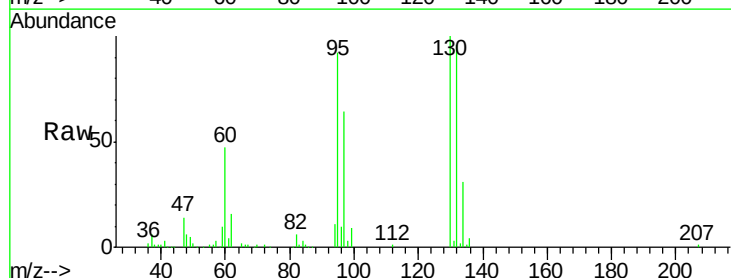
Acq: 25 Jun 2018 05:18

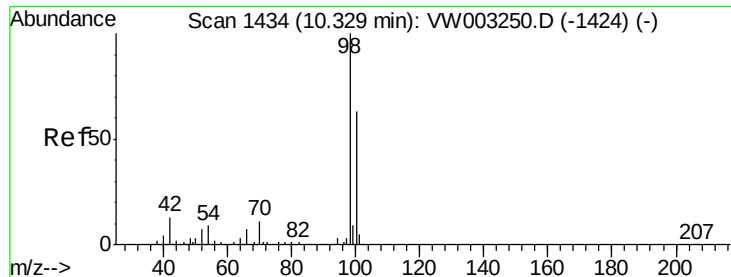
Tgt Ion: 130 Resp: 69197

Ion Ratio Lower Upper

130 100

95 92.4 0.0 198.0

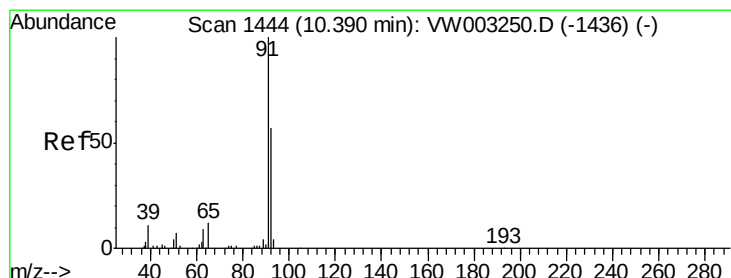
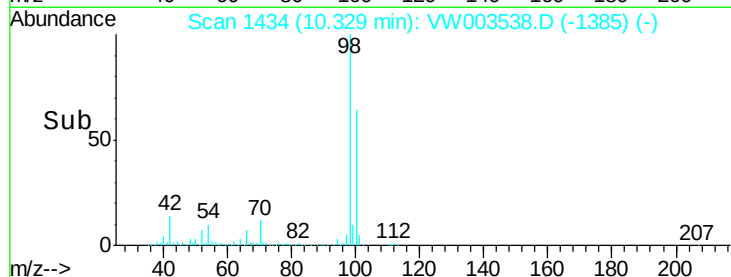
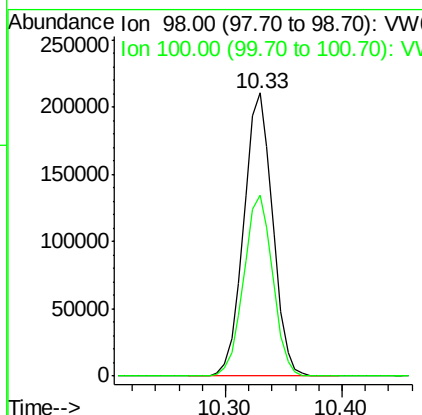
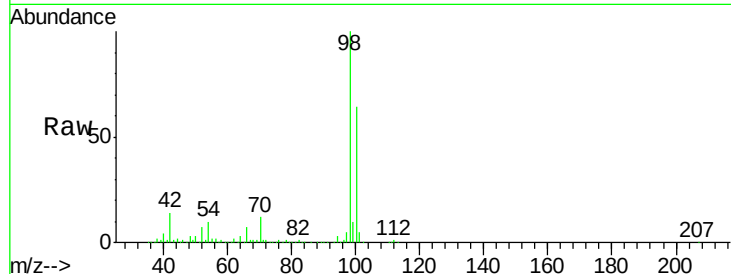




#50
Toluene-d8
Concen: 54.24 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

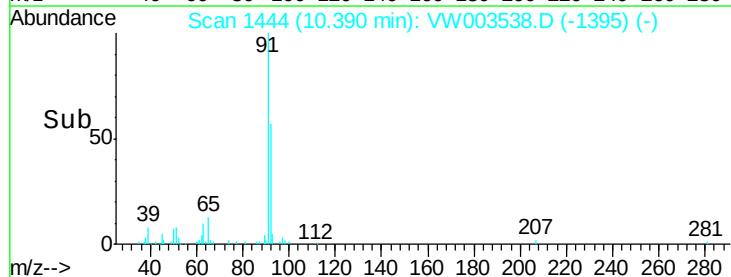
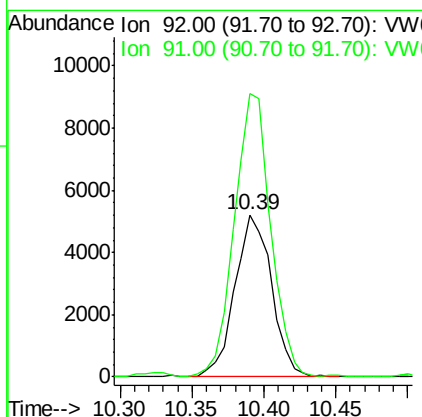
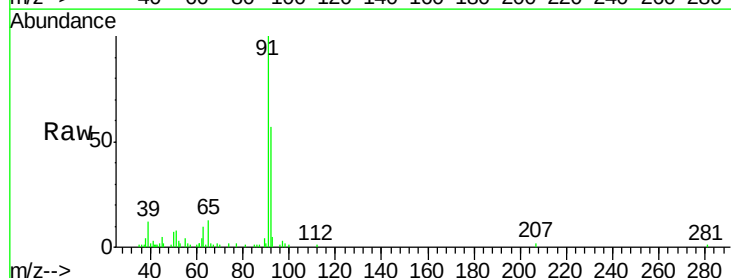
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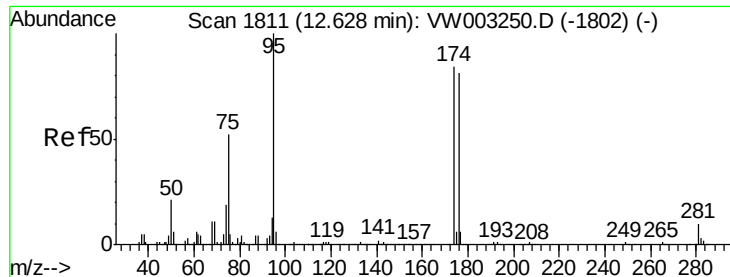
Tot Ion: 98 Resp: 365002
Ion Ratio Lower Upper
98 100
100 64.0 50.8 76.2



#52
Toluene
Concen: 1.98 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

Tgt Ion: 92 Resp: 9213
Ion Ratio Lower Upper
92 100
91 173.5 141.1 211.7

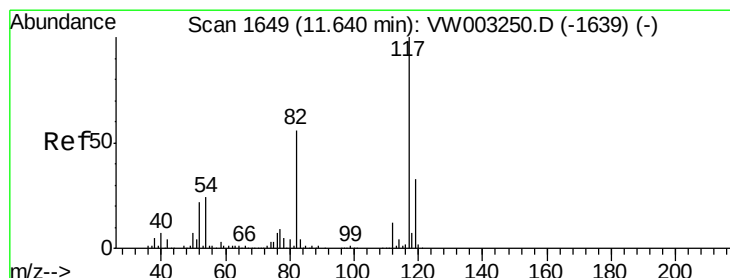
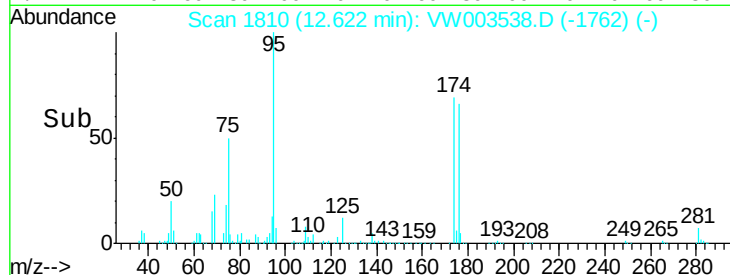
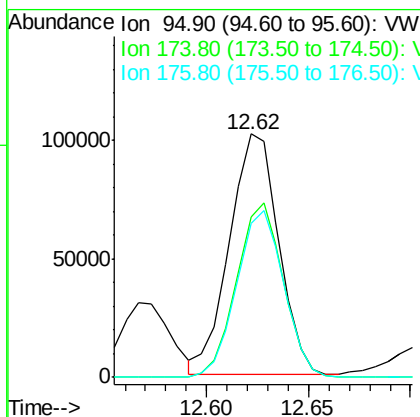
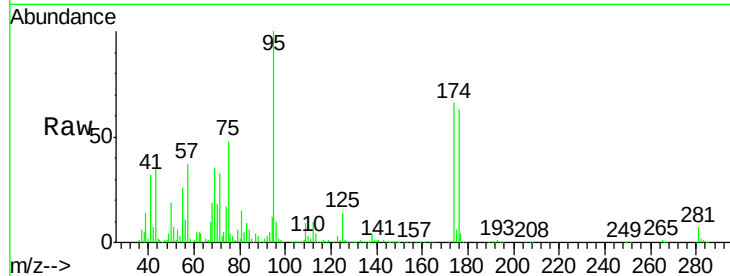




#62
4-Bromofluorobenzene
Concen: 70.92 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

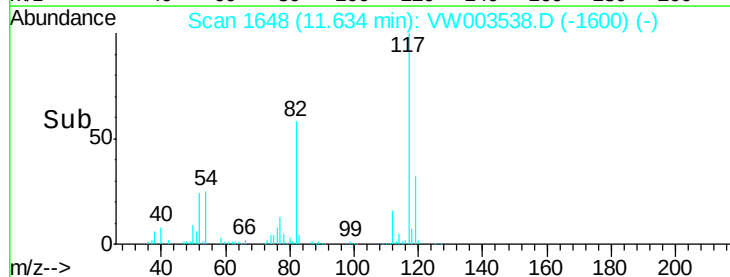
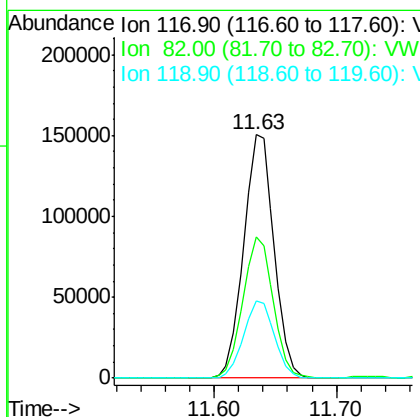
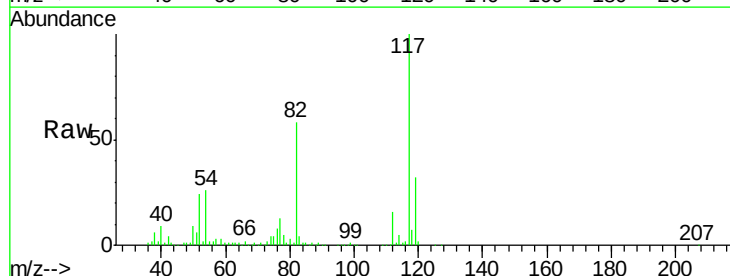
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-27-29-180620

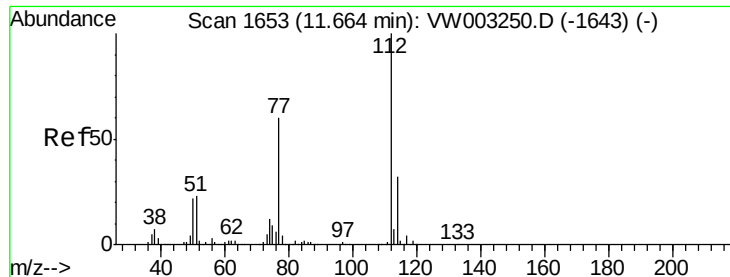
Tot Ion: 95 Resp: 168894
Ion Ratio Lower Upper
95 100
174 69.3 0.0 166.4
176 66.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

Tgt Ion: 117 Resp: 258300
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 31.6 26.7 40.1

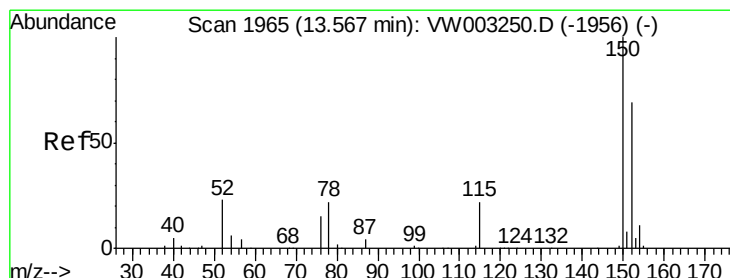
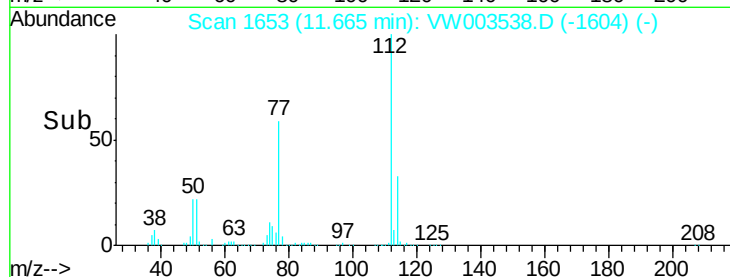
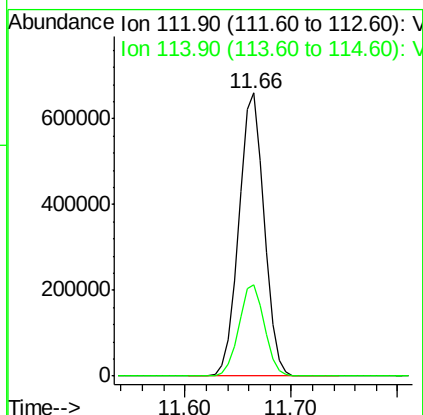
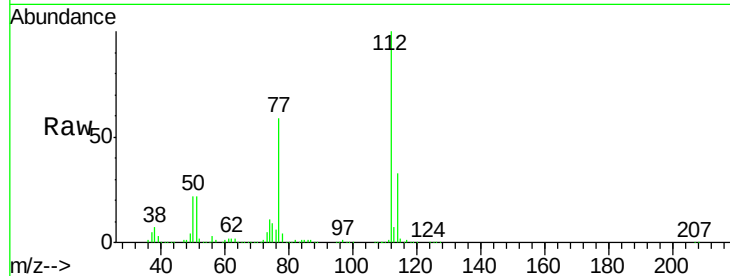




#65
Chlorobenzene
Concen: 204.84 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

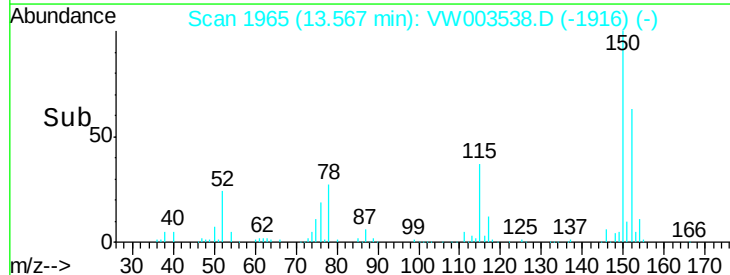
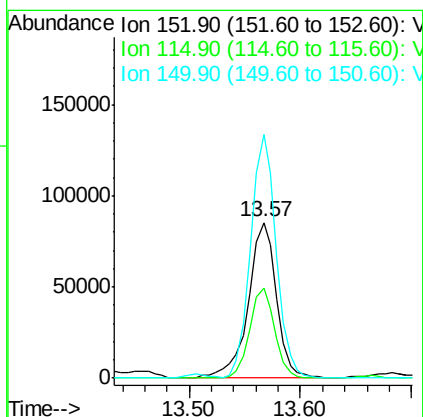
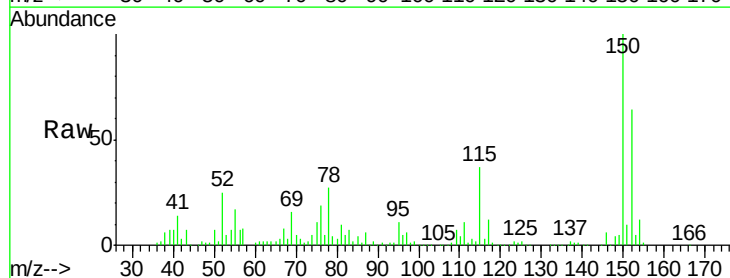
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-27-29-180620

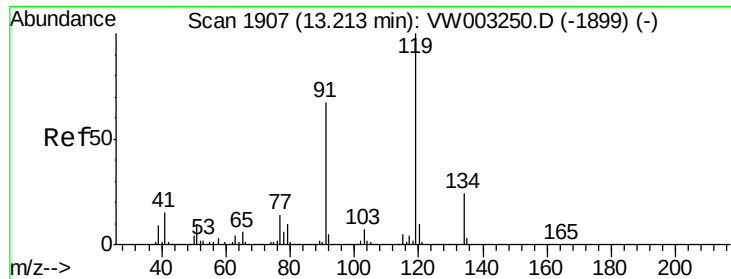
Tot Ion:112 Resp: 1101806
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

Tgt Ion:152 Resp: 148694
Ion Ratio Lower Upper
152 100
115 51.9 29.3 88.0
150 142.4 0.0 349.6

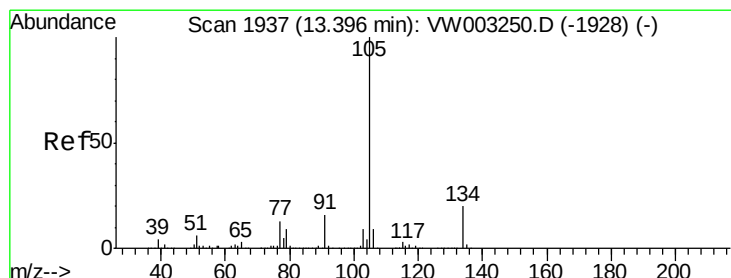
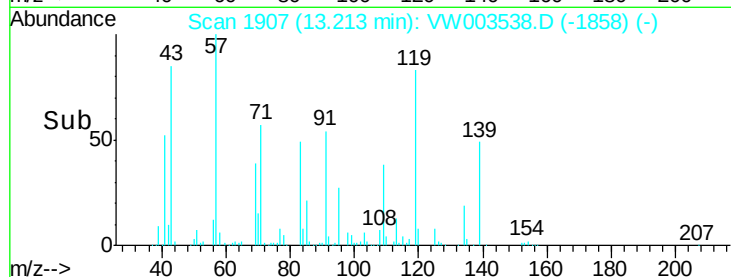
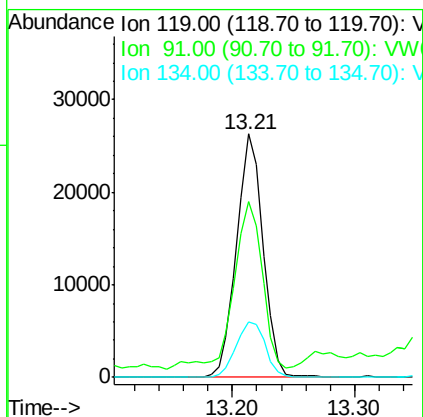
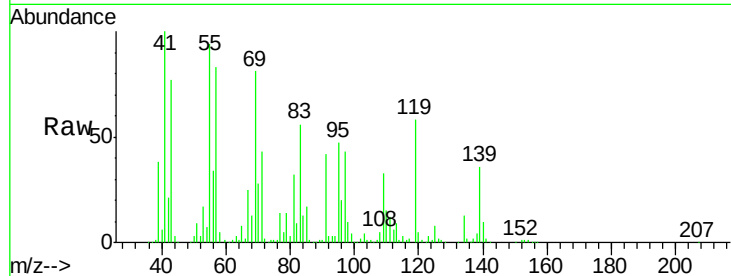




#83
tert-Butylbenzene
Concen: 5.35 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

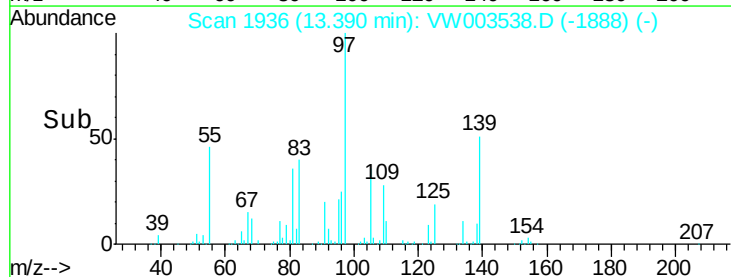
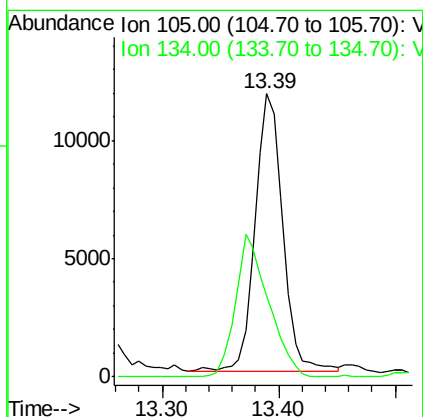
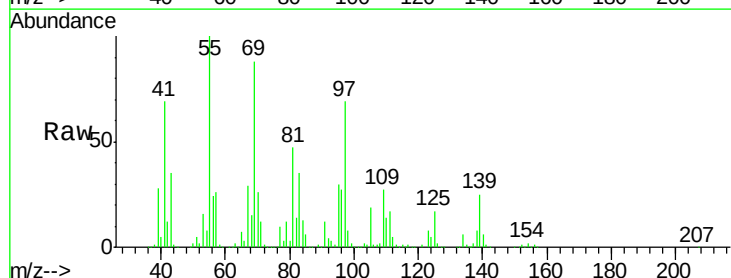
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-27-29-180620

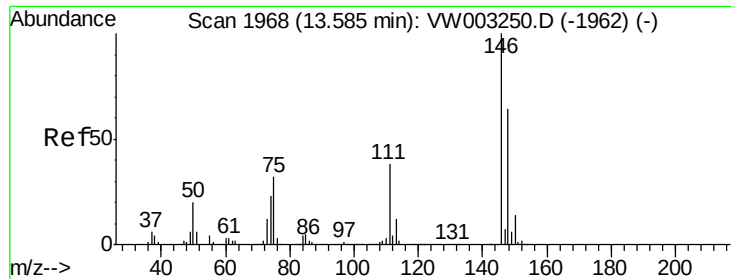
Tot Ion:119 Resp: 39547
Ion Ratio Lower Upper
119 100
91 73.2 33.9 101.7
134 24.7 13.4 40.1



#85
sec-Butylbenzene
Concen: 1.78 ug/l
RT: 13.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VW003538.D
Acq: 25 Jun 2018 05:18

Tgt Ion:105 Resp: 19608
Ion Ratio Lower Upper
105 100
134 60.0 9.8 29.5#





#88

1,4-Dichlorobenzene

Concen: 14.64 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003538.D

Acq: 25 Jun 2018 05:18

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-27-29-180620

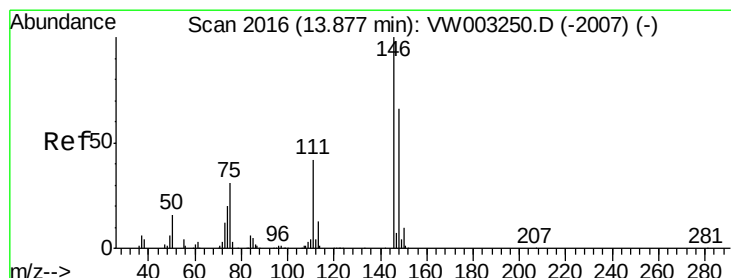
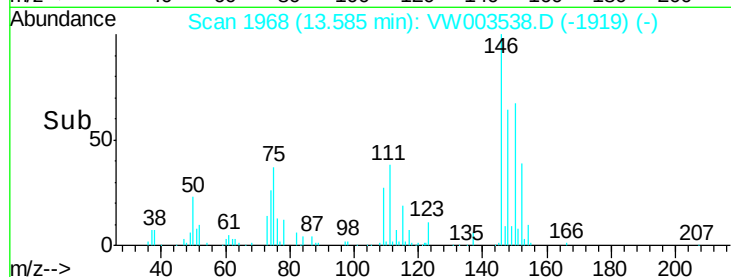
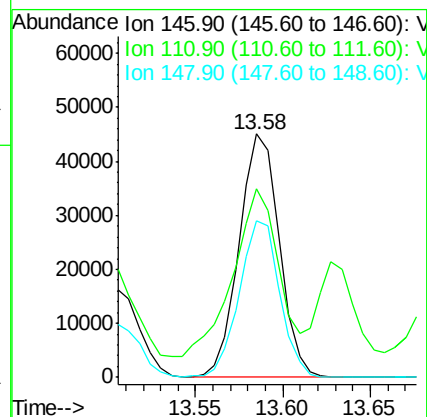
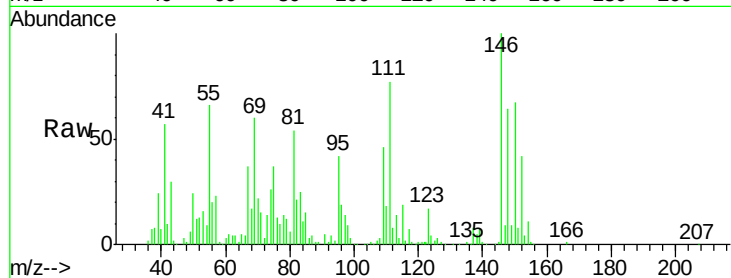
Tot Ion:146 Resp: 72005

Ion Ratio Lower Upper

146 100

111 80.3 19.2 57.6#

148 64.9 31.8 95.4



#91

1,2-Dichlorobenzene

Concen: 41.33 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003538.D

Acq: 25 Jun 2018 05:18

Tgt Ion:146 Resp: 179157

Ion Ratio Lower Upper

146 100

111 56.6 20.3 61.0

148 64.2 32.3 96.9

