

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV121818\
 Data File : VW007603.D
 Acq On : 16 Dec 2018 02:05
 Operator : SY/AP
 Sample : J6378-09
 Misc : 2.58G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 00:13:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	39789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	62532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	33391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	7192	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	32801	74.31	ug/l	0.00
Spiked Amount			Recovery	=	148.62%	
35) Dibromofluoromethane	7.88	113	26225	69.28	ug/l	0.00
Spiked Amount			Recovery	=	138.56%	
50) Toluene-d8	10.32	98	65439	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	12.62	95	11625	22.28	ug/l	0.00
Spiked Amount			Recovery	=	44.56%	

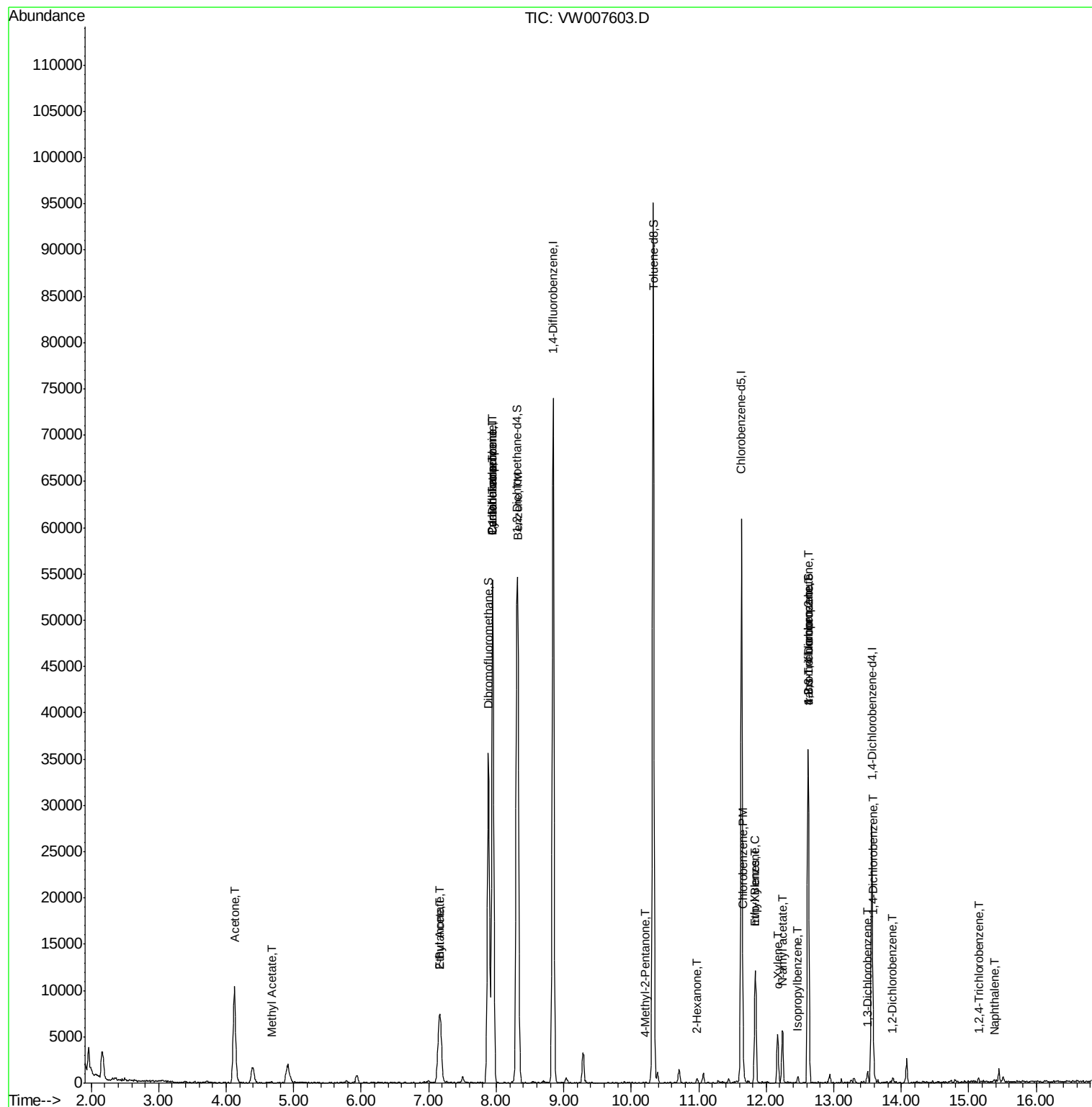
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	17620	228.522	ug/l	95
18) Methyl Acetate	4.67	43	266	1.271	ug/l #	49
25) 2-Butanone	7.17	43	8811	87.532	ug/l	95
31) Cyclohexane	7.95	56	904	1.318	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3156	5.533	ug/l #	49
37) Ethyl Acetate	7.17	43	8811	41.529	ug/l #	71
38) Carbon Tetrachloride	7.95	117	4142	6.673	ug/l #	17
40) Benzene	8.32	78	26960	17.030	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	199	1.005	ug/l #	34
59) 2-Hexanone	10.98	43	440	3.332	ug/l	89
65) Chlorobenzene	11.66	112	969	1.392	ug/l #	72
67) Ethyl Benzene	11.84	91	8028	6.709	ug/l #	69
68) m/p-Xylenes	11.84	106	3822	8.216	ug/l	98
69) o-Xylene	12.17	106	1519	3.496	ug/l	89
73) Isopropylbenzene	12.47	105	611	1.109	ug/l #	56
74) N-amyl acetate	12.24	43	3465	34.597	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	5997	101.130	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	5997	223.396	ug/l #	7
87) 1,3-Dichlorobenzene	13.50	146	597	2.451	ug/l	90
88) 1,4-Dichlorobenzene	13.58	146	2179	8.899	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	285	1.307	ug/l	96
93) 1,2,4-Trichlorobenzene	15.14	180	167	1.112	ug/l	91
95) Naphthalene	15.38	128	303	1.055	ug/l #	70

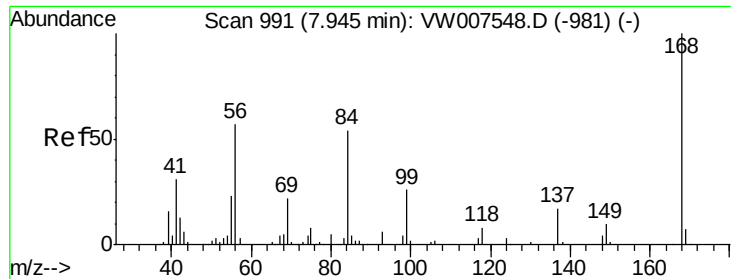
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 00:13:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Instrument :

MSVOA_W

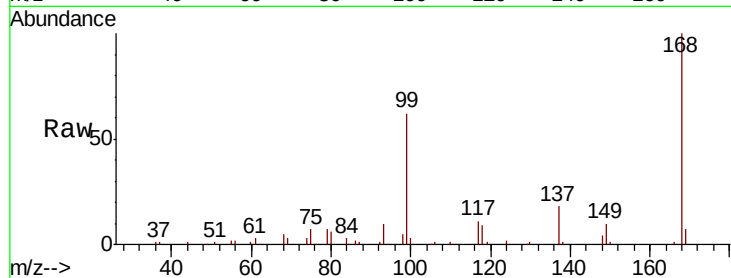
ClientSampled :

Tot Ion:168 Resp: 39789

Ion Ratio Lower Upper

168 100

99 61.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

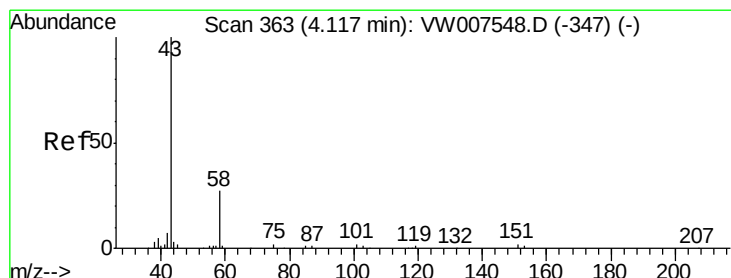
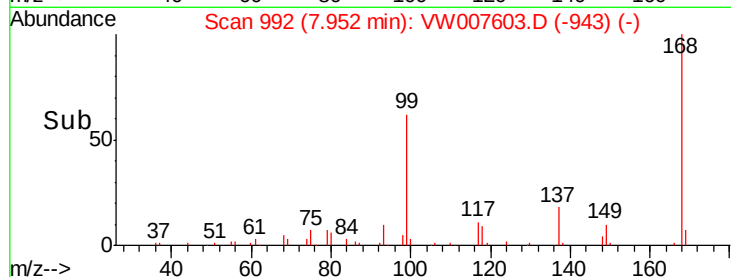
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 228.522 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007603.D

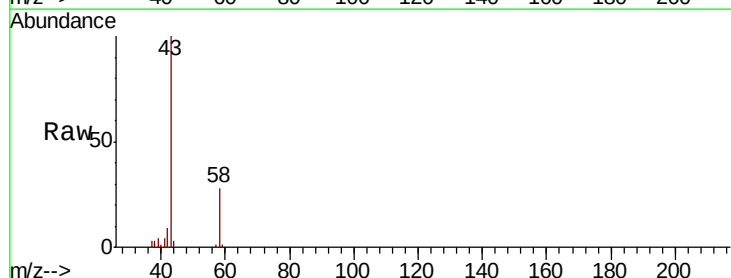
Acq: 16 Dec 2018 02:05

Tgt Ion: 43 Resp: 17620

Ion Ratio Lower Upper

43 100

58 28.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

8000

6000

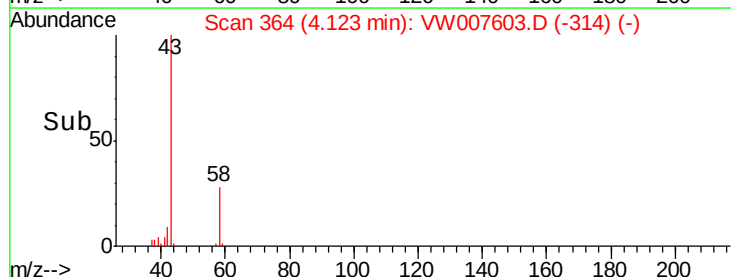
4000

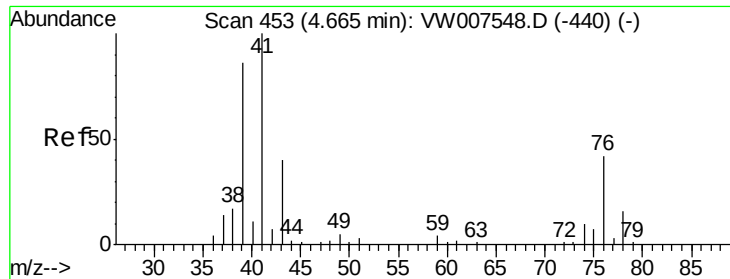
2000

0

4.00 4.10 4.20

Time-->

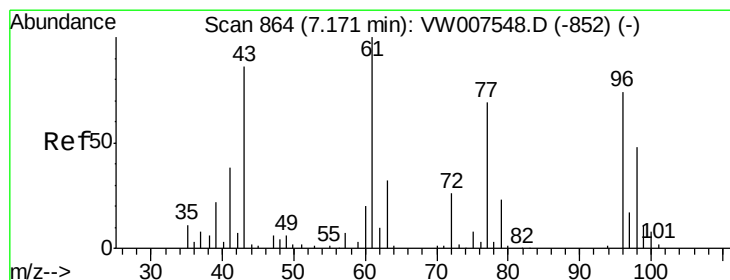
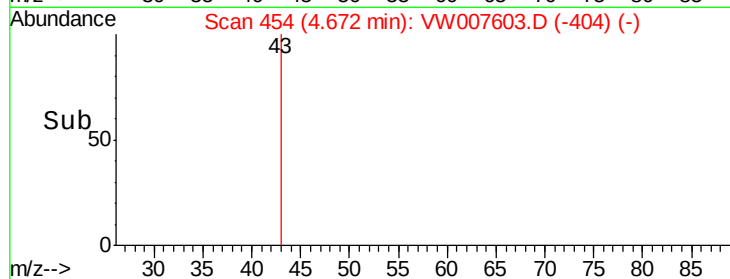
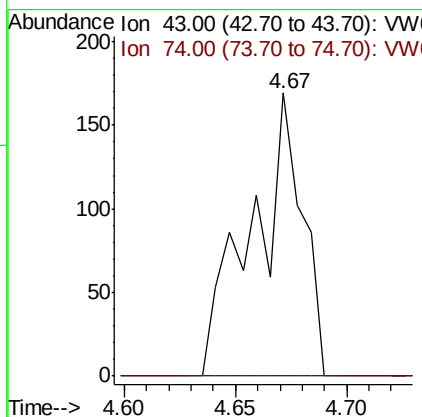
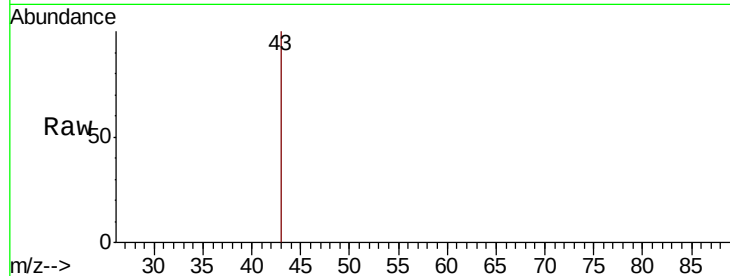




#18
Methyl Acetate
Concen: 1.271 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

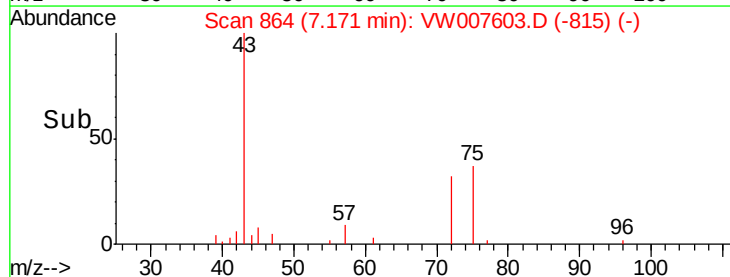
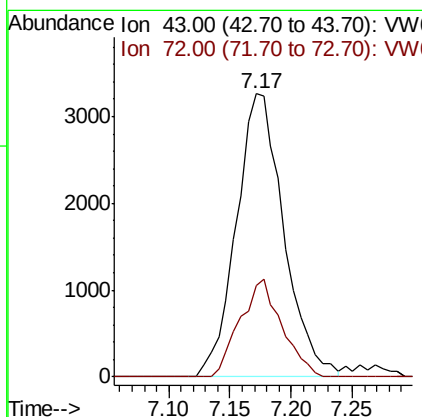
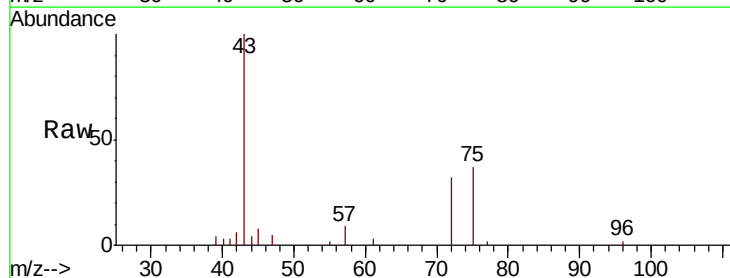
Instrument :
MSVOA_W
ClientSampled :

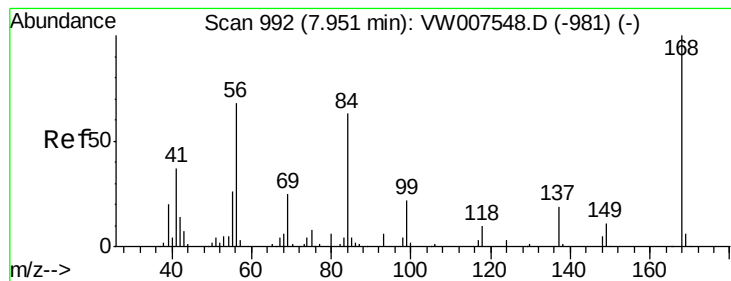
Tot Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#



#25
2-Butanone
Concen: 87.532 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Tgt Ion: 43 Resp: 8811
Ion Ratio Lower Upper
43 100
72 32.1 23.4 35.2





#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Instrument :

MSVOA_W

ClientSampled :

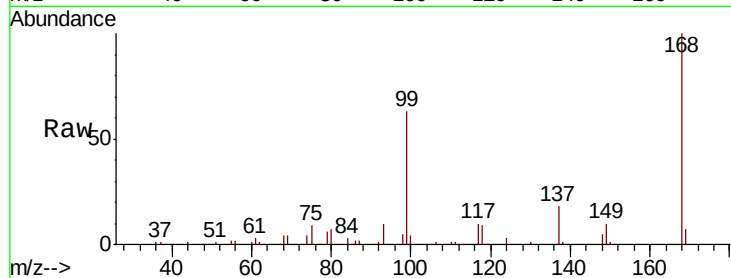
Tot Ion: 56 Resp: 904

Ion Ratio Lower Upper

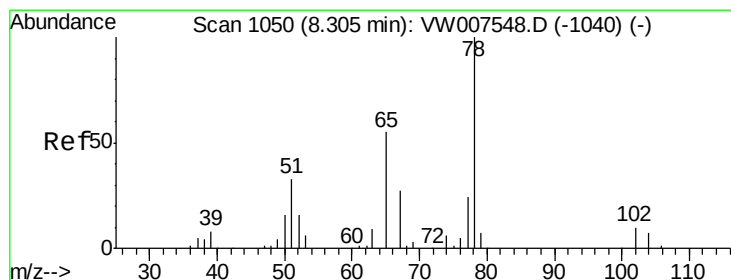
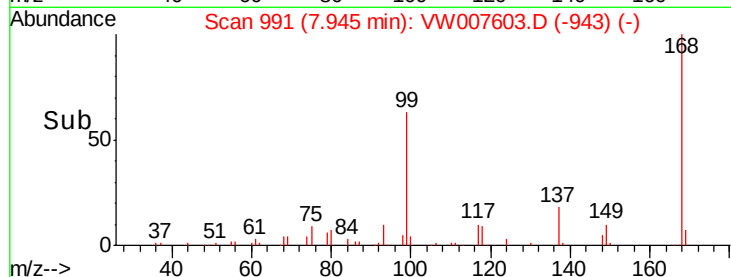
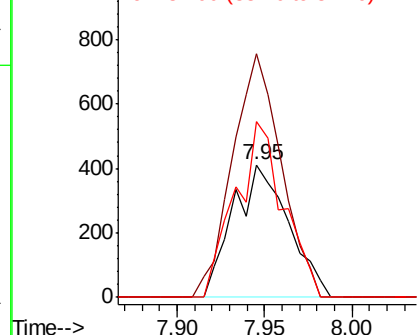
56 100

69 183.9 28.9 43.3#

84 132.4 71.8 107.6#



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: 74.307 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007603.D

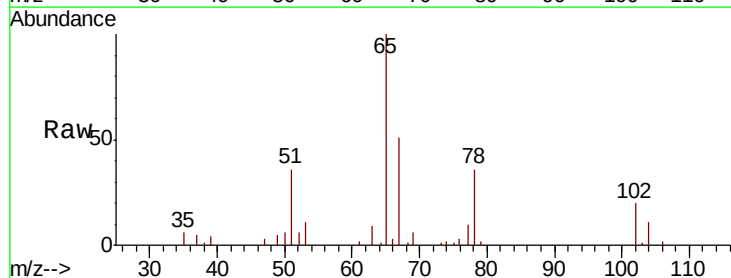
Acq: 16 Dec 2018 02:05

Tgt Ion: 65 Resp: 32801

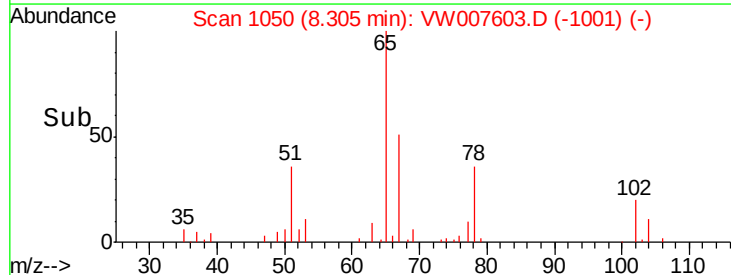
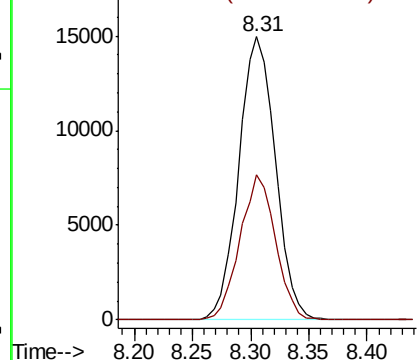
Ion Ratio Lower Upper

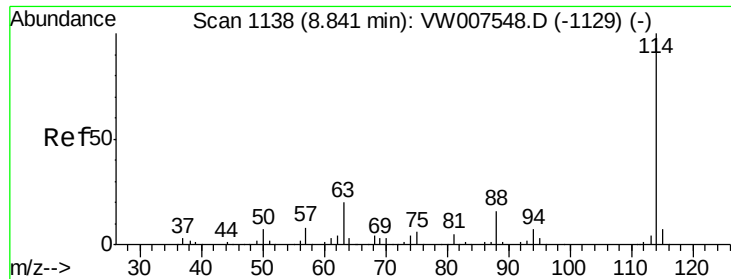
65 100

67 49.7 0.0 101.6



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

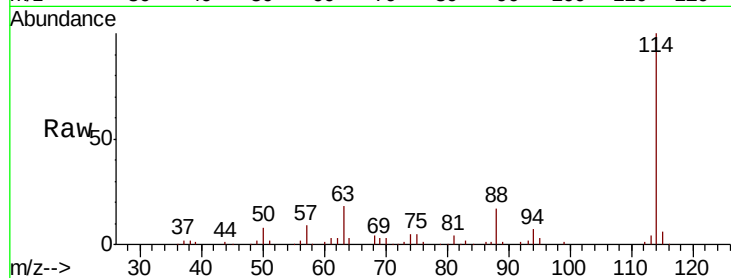




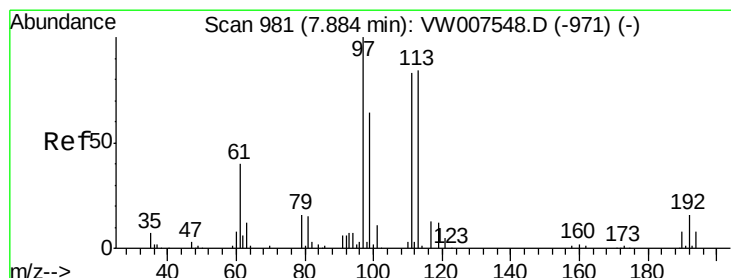
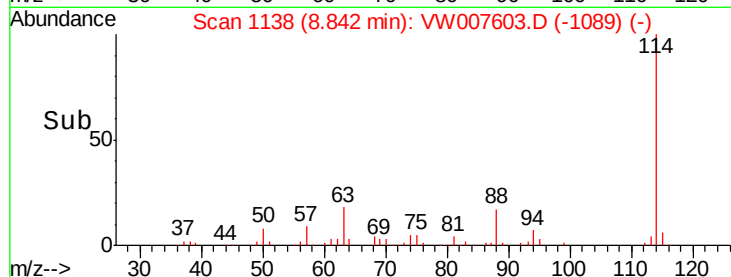
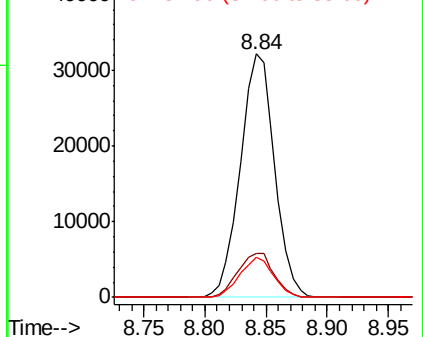
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007603.D
 Acq: 16 Dec 2018 02:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 62532
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.6
 88 16.6 0.0 31.4

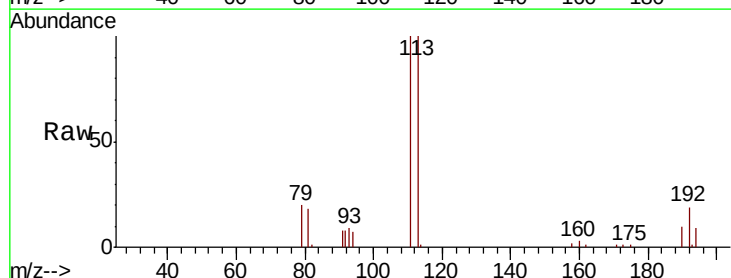


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

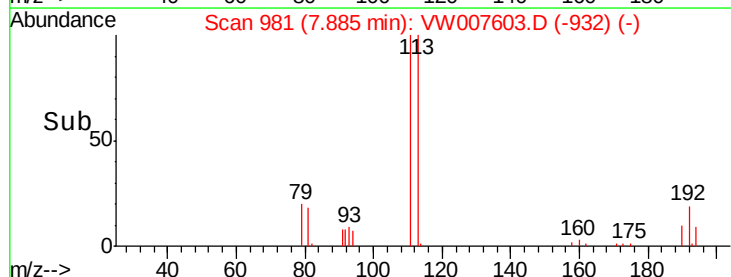
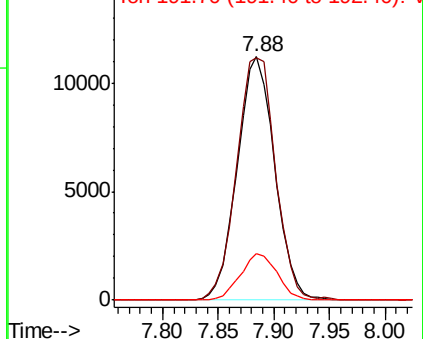


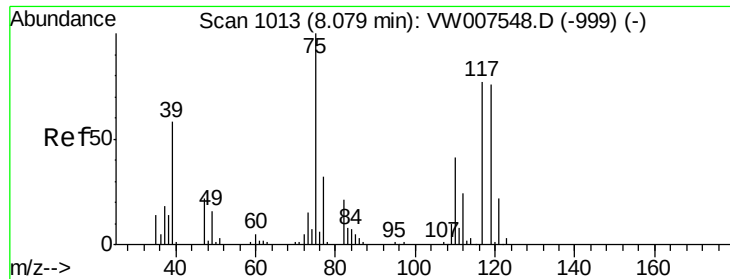
#35
 Dibromofluoromethane
 Concen: 69.281 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007603.D
 Acq: 16 Dec 2018 02:05

Tgt Ion:113 Resp: 26225
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.1 121.7
 192 18.8 14.6 21.8



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: 5.533 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Instrument :

MSVOA_W

ClientSampled :

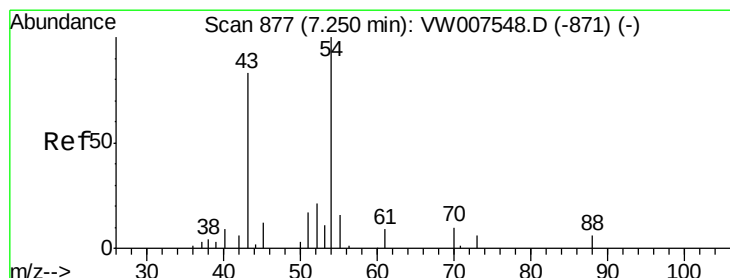
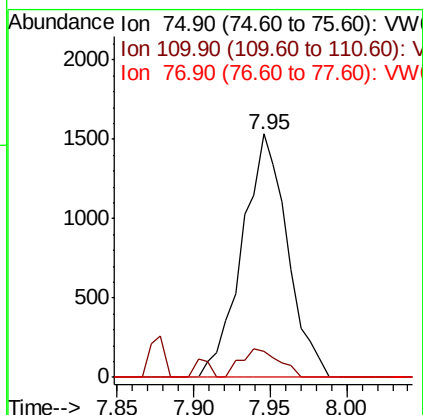
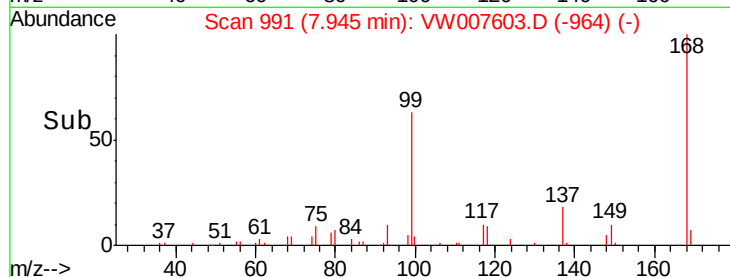
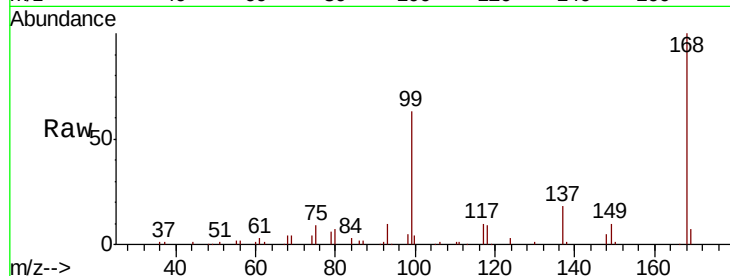
Tot Ion: 75 Resp: 3156

Ion Ratio Lower Upper

75 100

110 9.8 18.5 55.5#

77 0.0 25.6 38.4#



#37

Ethyl Acetate

Concen: 41.529 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

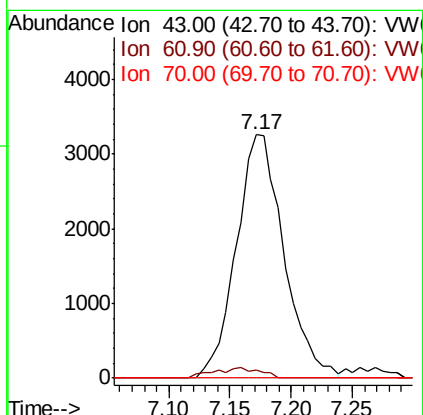
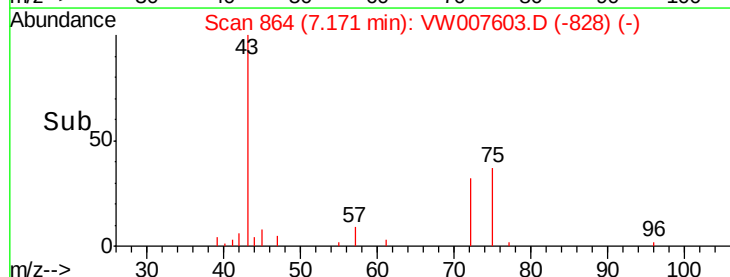
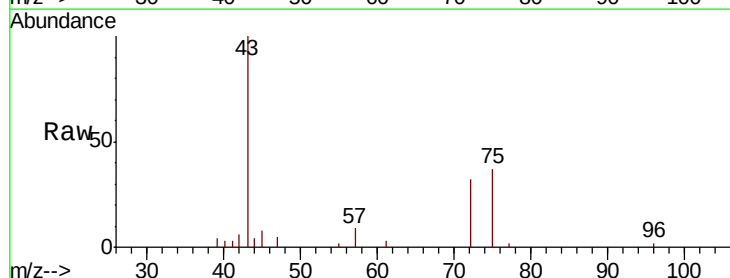
Tgt Ion: 43 Resp: 8811

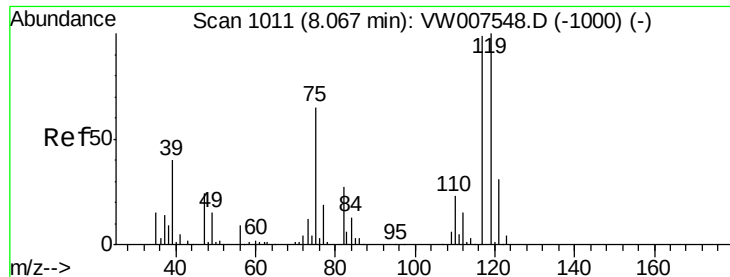
Ion Ratio Lower Upper

43 100

61 4.2 12.1 18.1#

70 0.0 10.0 15.0#

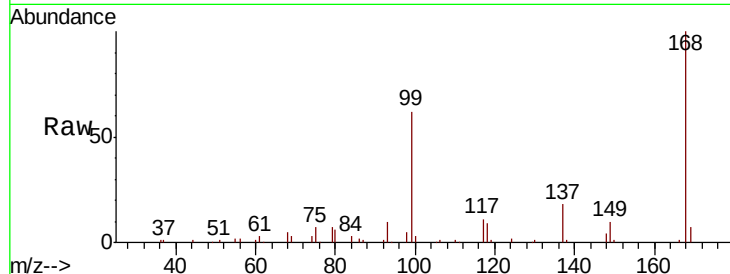




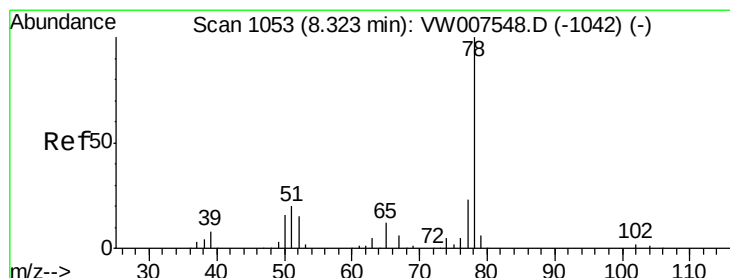
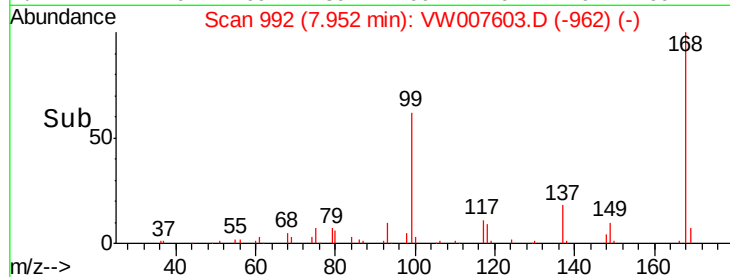
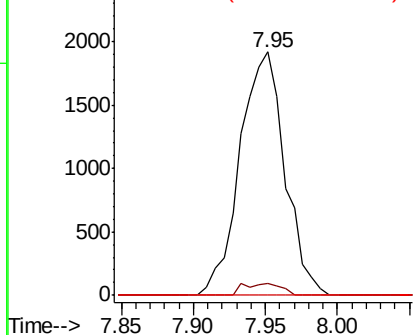
#38
Carbon Tetrachloride
Concen: 6.673 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 4142
Ion Ratio Lower Upper
117 100
119 5.1 74.3 111.5#
121 0.0 24.3 36.5#

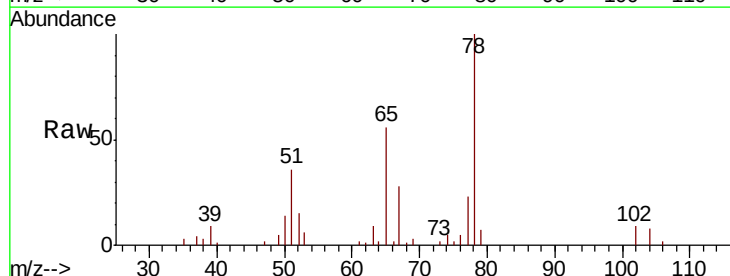


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

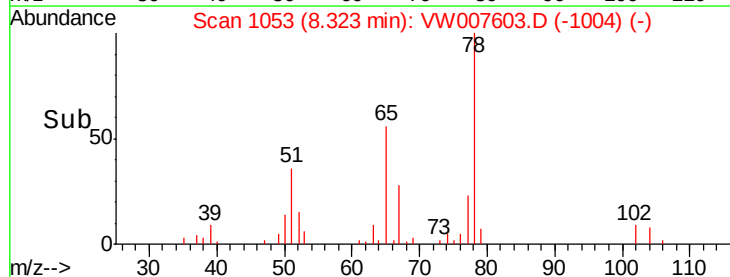
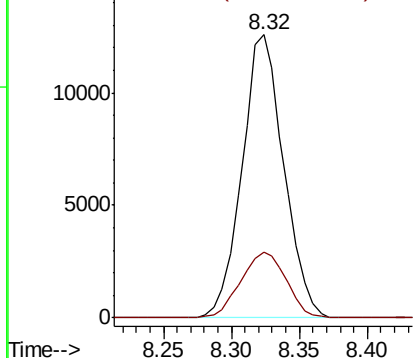


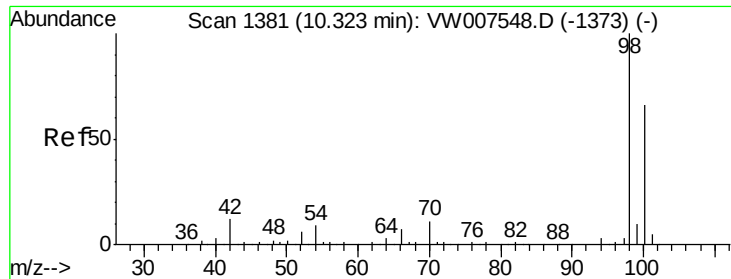
#40
Benzene
Concen: 17.030 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Tgt Ion: 78 Resp: 26960
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

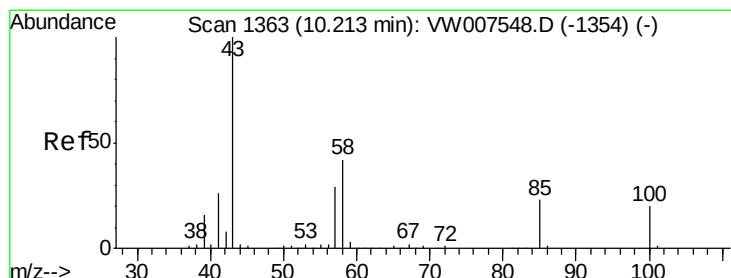
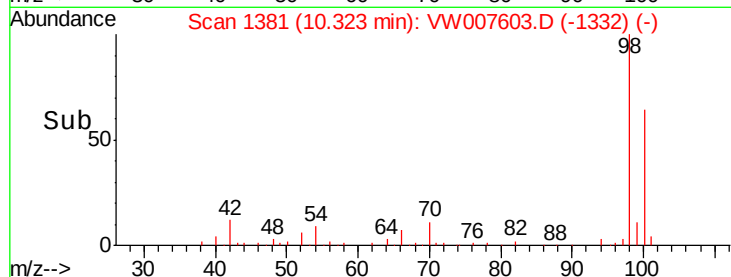
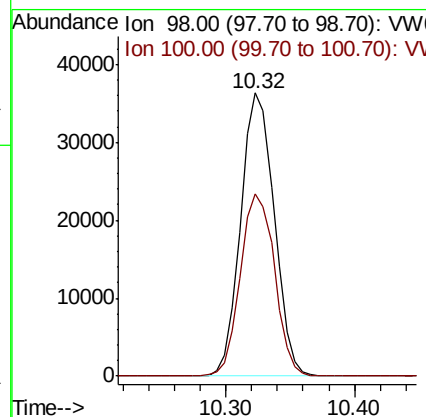
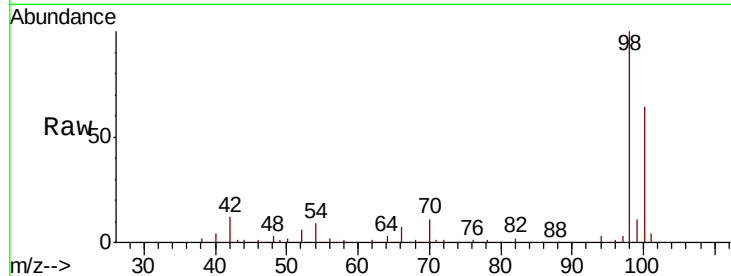




#50
Toluene-d8
Concen: 46.107 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

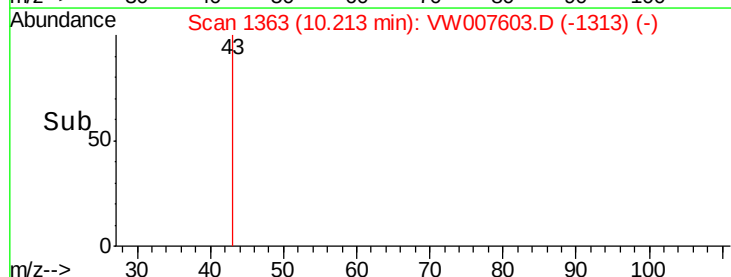
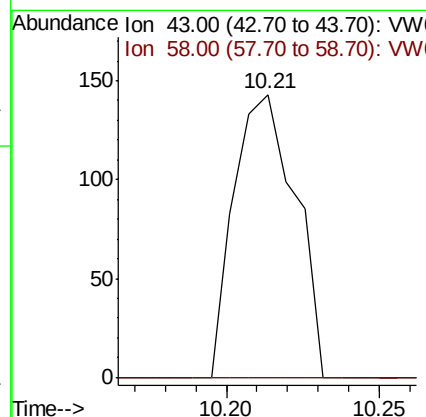
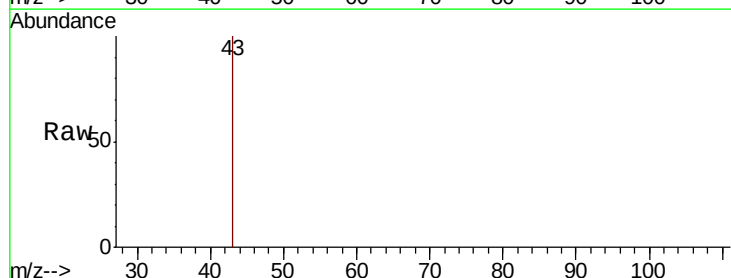
Instrument :
MSVOA_W
ClientSampled :

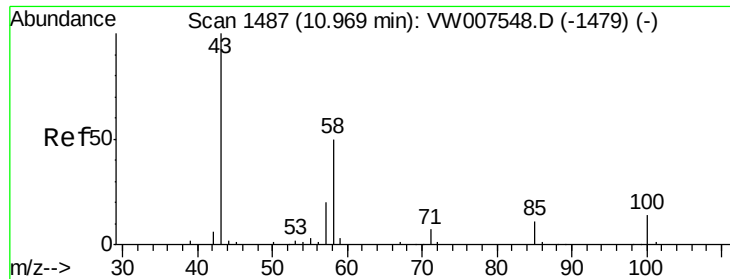
Tot Ion: 98 Resp: 65439
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.005 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Tgt Ion: 43 Resp: 199
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#59

2-Hexanone

Concen: 3.332 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Instrument :

MSVOA_W

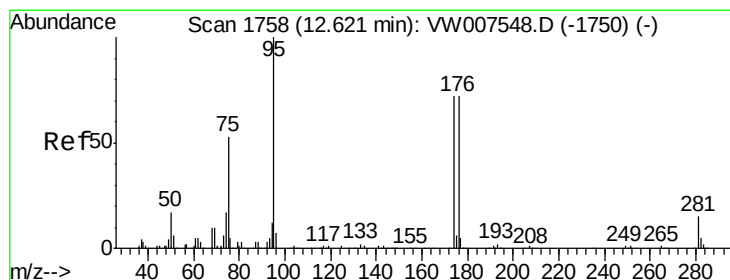
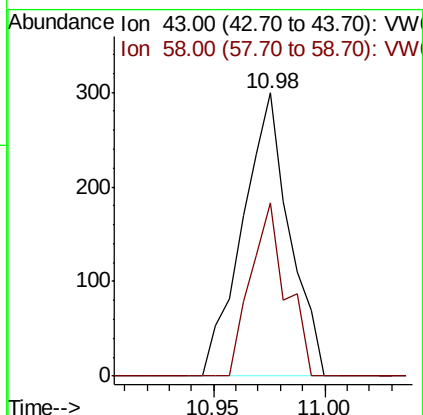
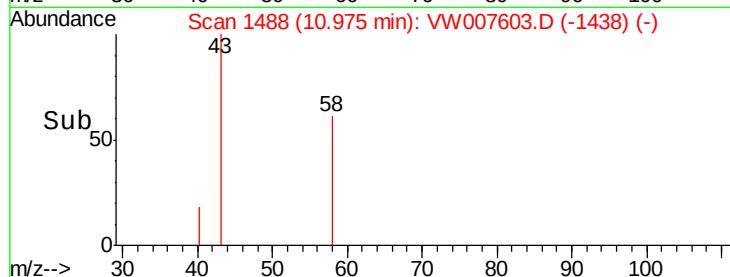
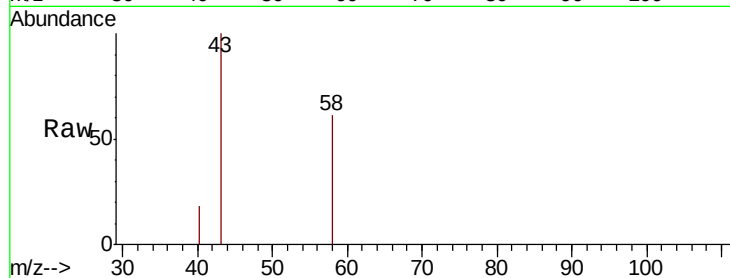
ClientSampled :

Tot Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

58 46.4 27.1 81.3



#62

4-Bromofluorobenzene

Concen: 22.277 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

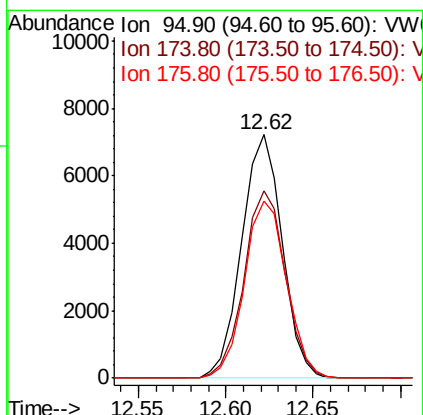
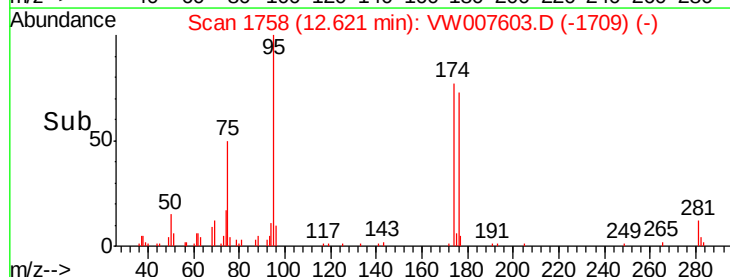
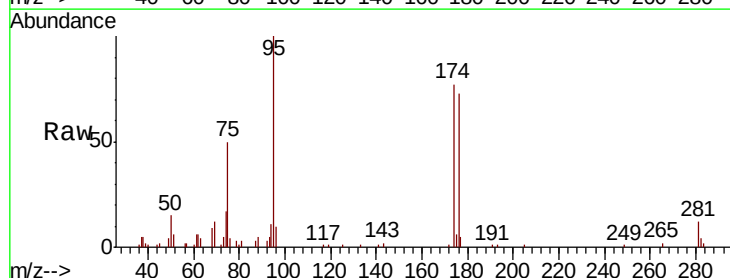
Tgt Ion: 95 Resp: 11625

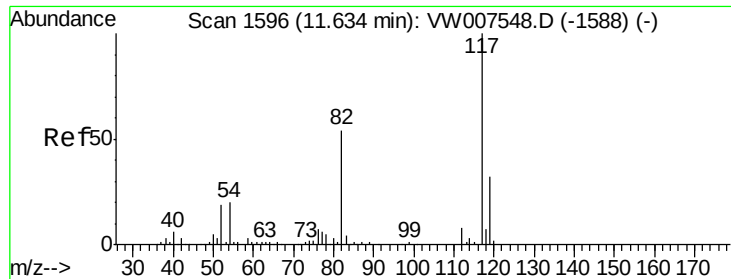
Ion Ratio Lower Upper

95 100

174 78.6 0.0 147.2

176 75.5 0.0 138.8

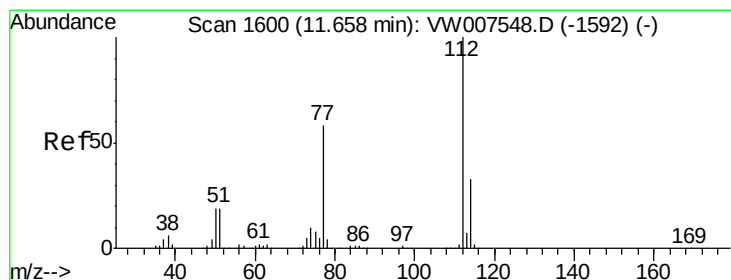
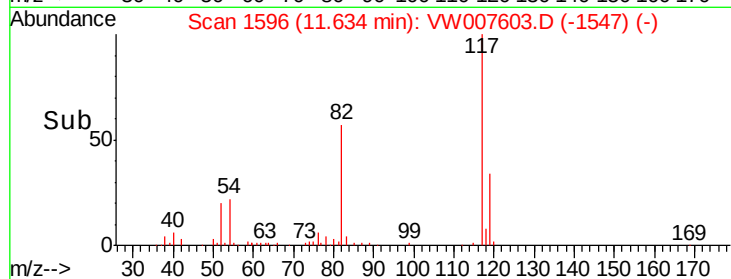
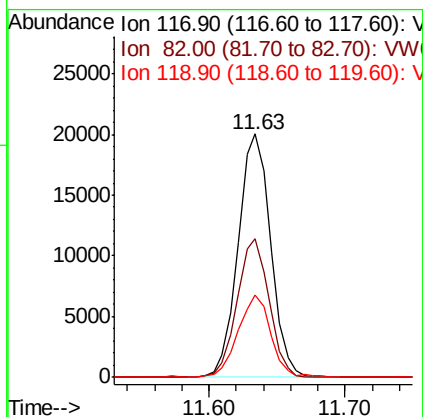
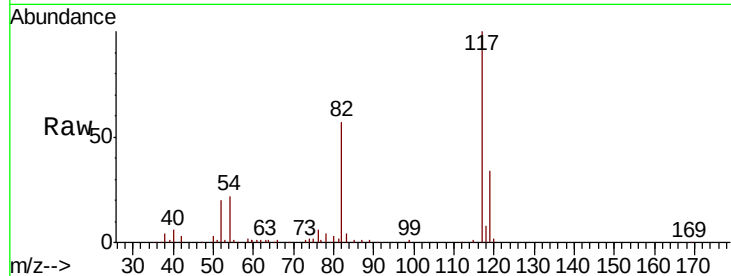




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

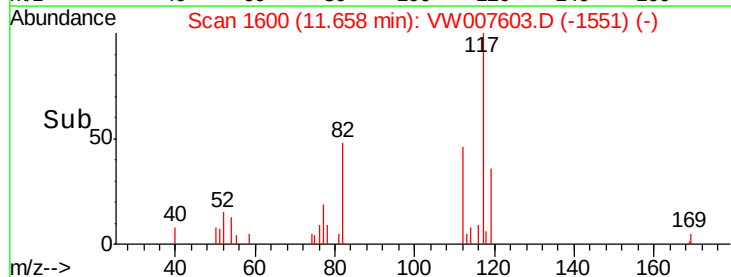
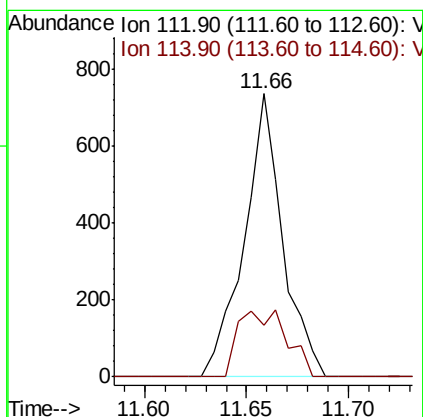
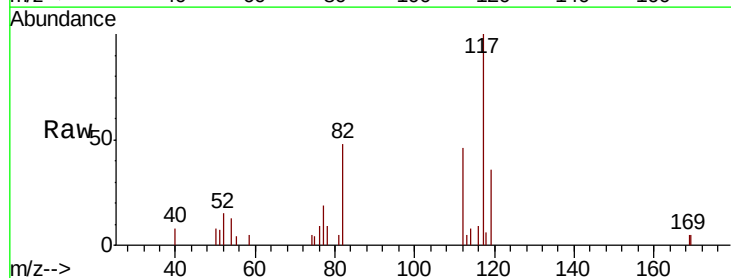
Instrument :
MSVOA_W
ClientSampleId :

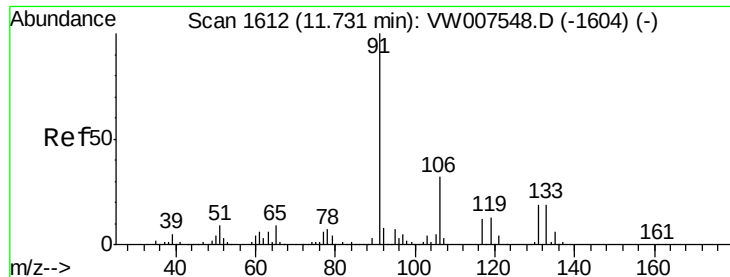
Tot Ion:117 Resp: 33391
Ion Ratio Lower Upper
117 100
82 56.9 42.3 63.5
119 33.3 23.0 34.6



#65
Chlorobenzene
Concen: 1.392 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Tgt Ion:112 Resp: 969
Ion Ratio Lower Upper
112 100
114 18.3 27.8 41.8#

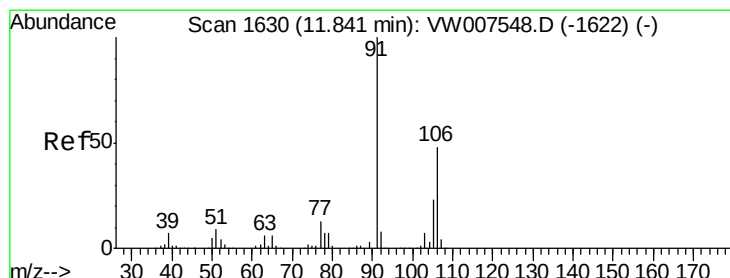
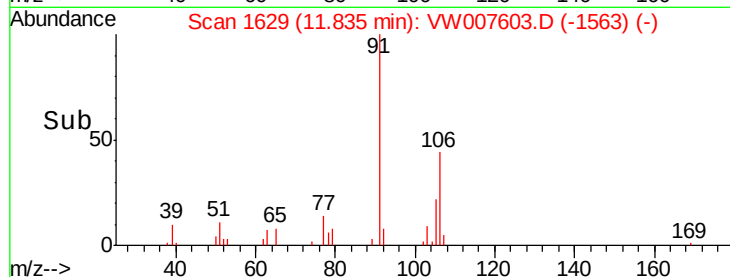
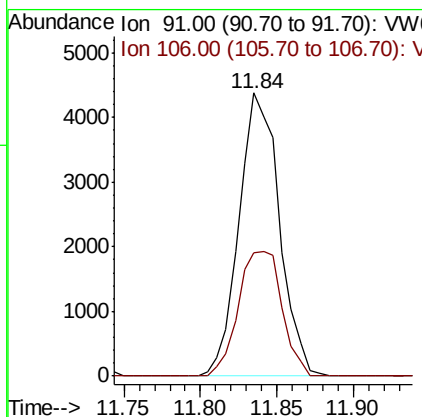
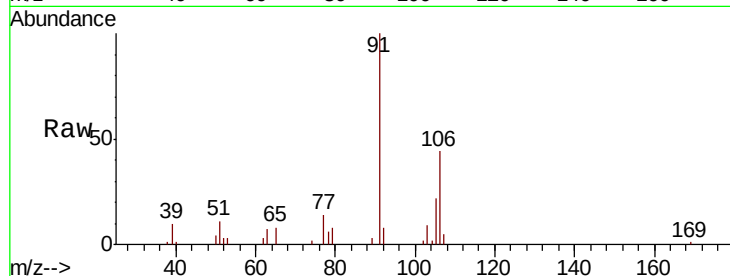




#67
Ethyl Benzene
Concen: 6.709 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.10 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

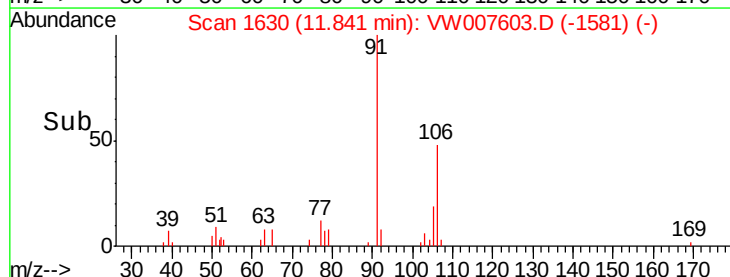
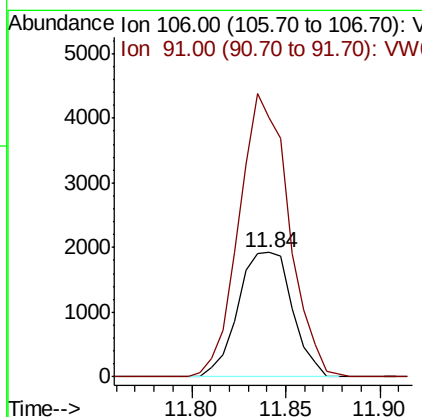
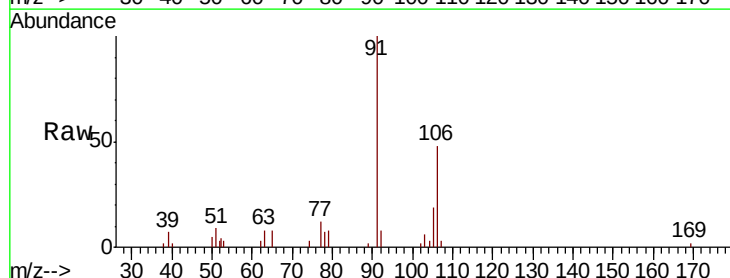
Instrument :
MSVOA_W
ClientSampleId :

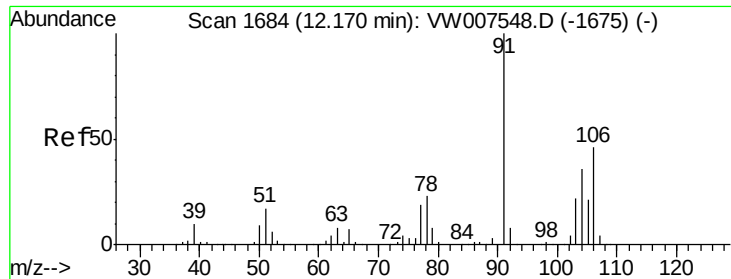
Tot Ion: 91 Resp: 8028
Ion Ratio Lower Upper
91 100
106 43.5 21.8 32.8#



#68
m/p-Xylenes
Concen: 8.216 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Tgt Ion: 106 Resp: 3822
Ion Ratio Lower Upper
106 100
91 210.0 165.3 247.9

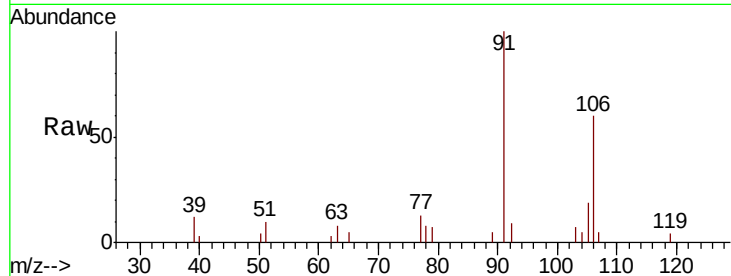




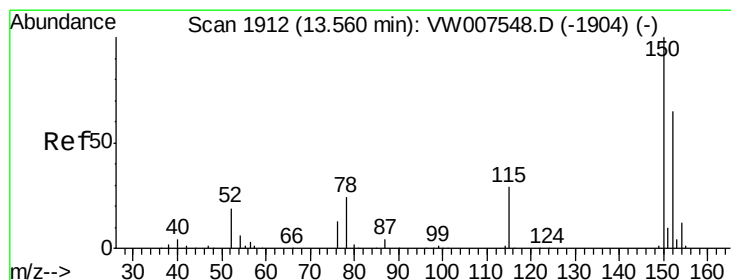
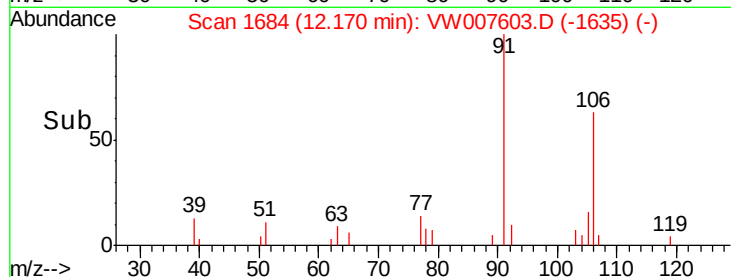
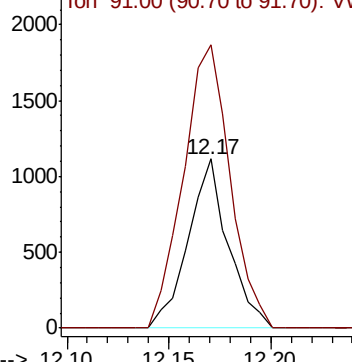
#69
o-Xylene
Concen: 3.496 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 1519
Ion Ratio Lower Upper
106 100
91 195.9 106.6 319.8

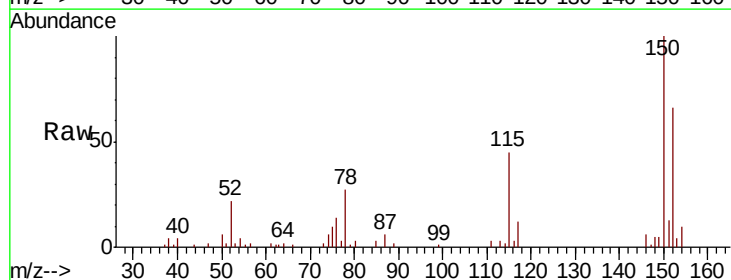


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

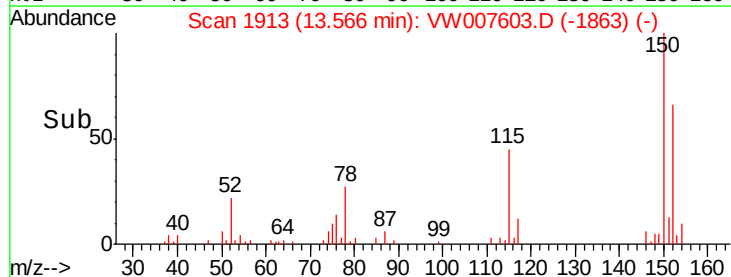
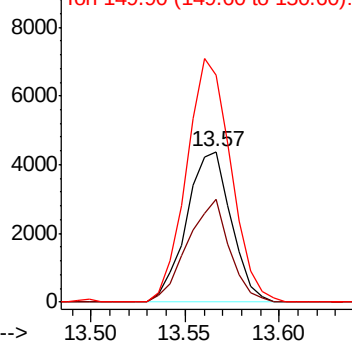


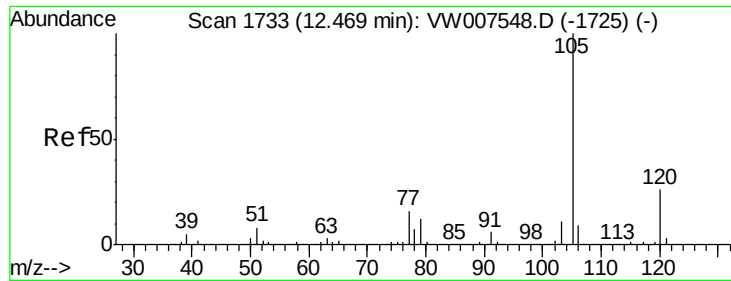
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007603.D
Acq: 16 Dec 2018 02:05

Tgt Ion:152 Resp: 7192
Ion Ratio Lower Upper
152 100
115 64.4 31.4 94.2
150 161.2 0.0 358.4



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





#73

Isopropylbenzene

Concen: 1.109 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Instrument :

MSVOA_W

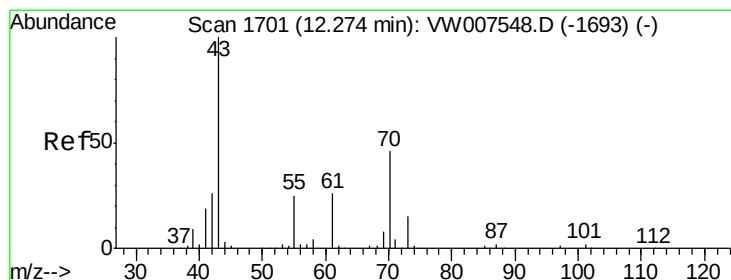
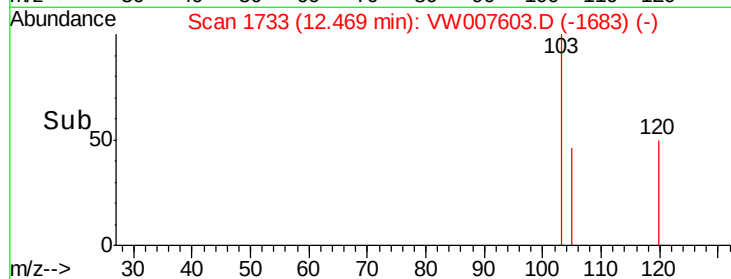
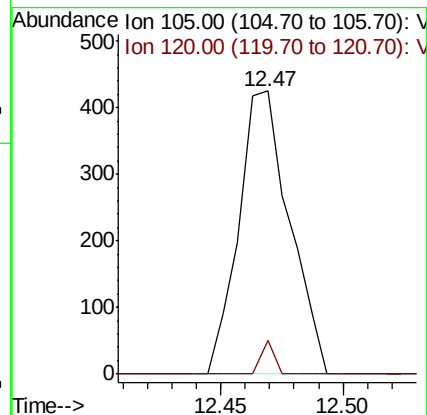
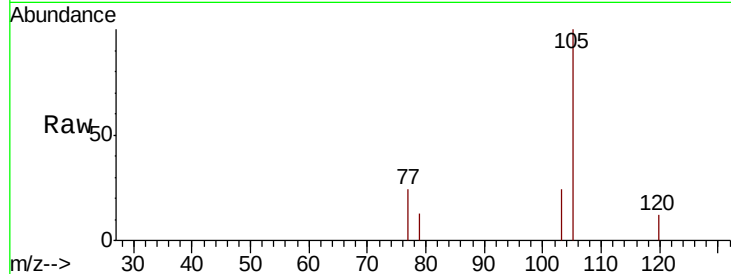
ClientSampled :

Tot Ion:105 Resp: 611

Ion Ratio Lower Upper

105 100

120 3.1 12.8 38.4#



#74

N-ethyl acetate

Concen: 34.597 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Tgt Ion: 43 Resp: 3465

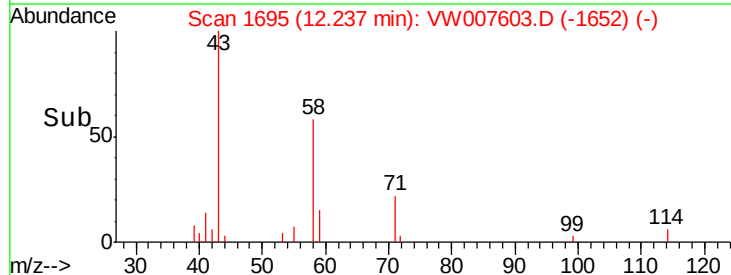
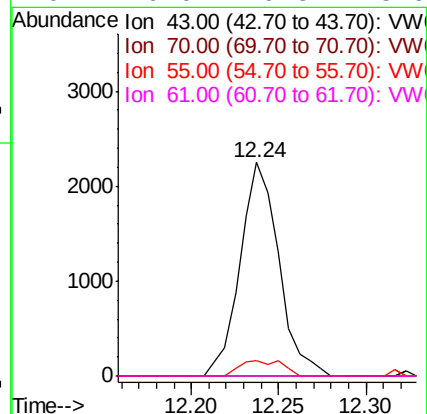
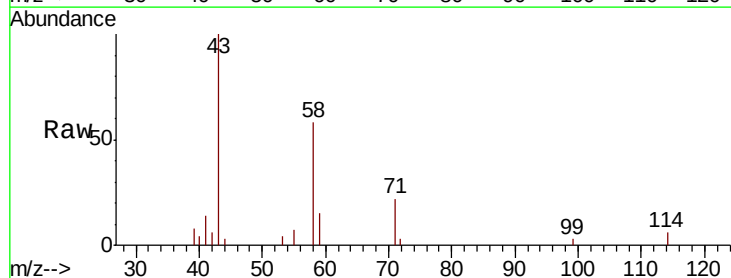
Ion Ratio Lower Upper

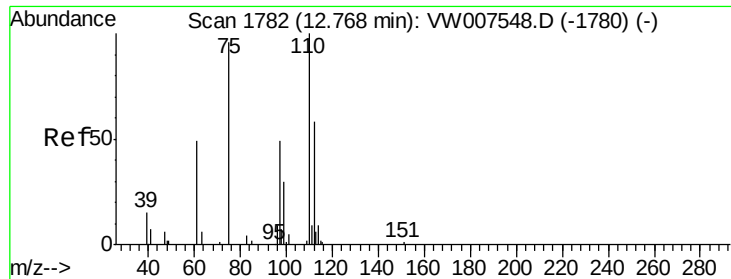
43 100

70 0.0 36.5 54.7#

55 7.9 20.1 30.1#

61 0.0 19.3 28.9#

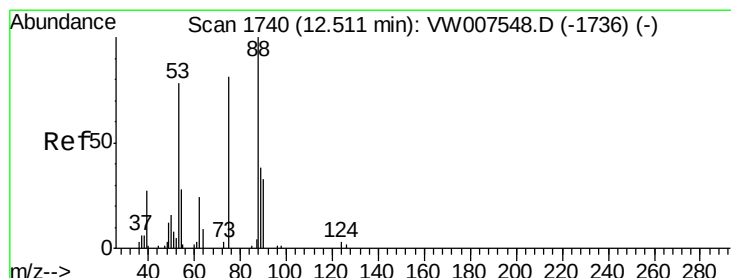
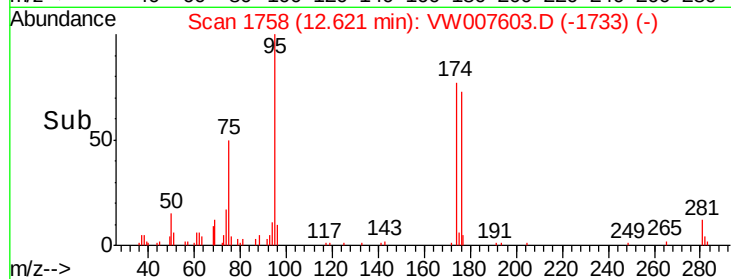
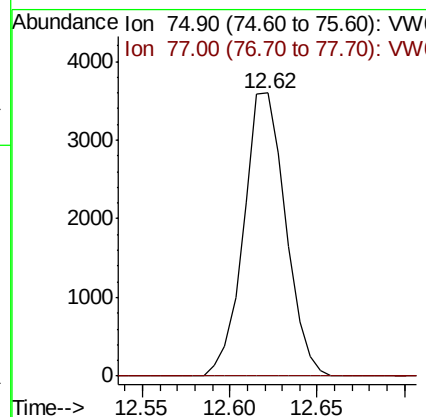
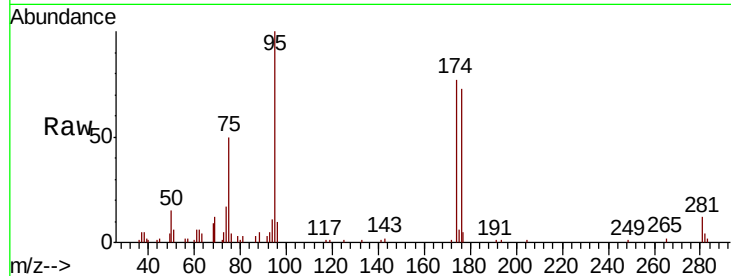




#76
 1,2,3-Trichloropropane
 Concen: 101.130 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007603.D
 Acq: 16 Dec 2018 02:05

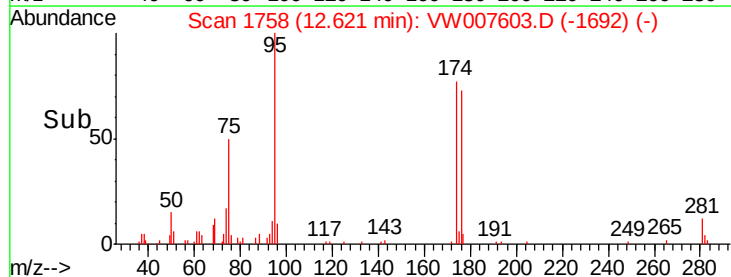
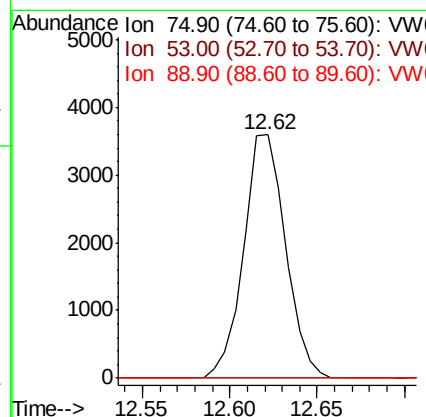
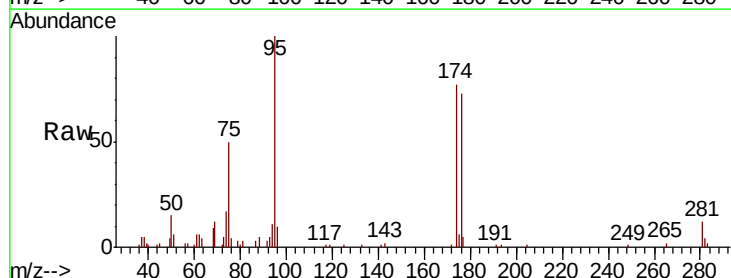
Instrument :
 MSVOA_W
 ClientSampled :

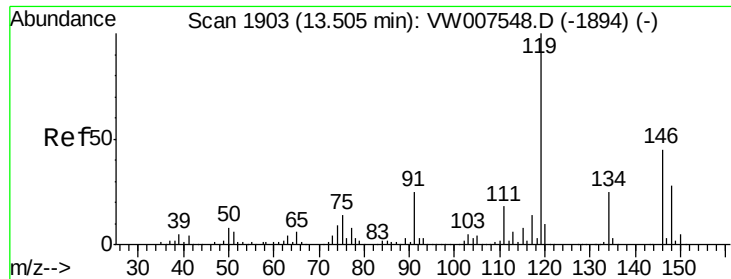
Tot Ion: 75 Resp: 5997
 Ion Ratio Lower Upper
 75 100
 77 0.0 166.9 500.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 223.396 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007603.D
 Acq: 16 Dec 2018 02:05

Tgt Ion: 75 Resp: 5997
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.9 127.3#
 89 0.0 40.3 60.5#

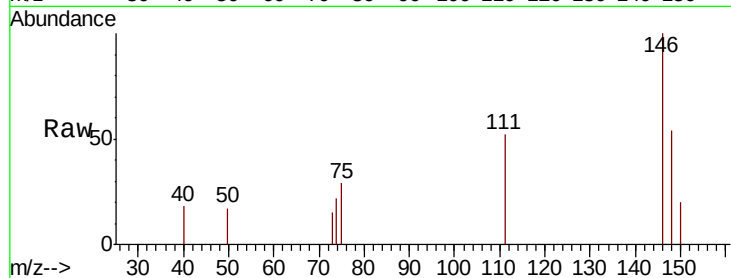




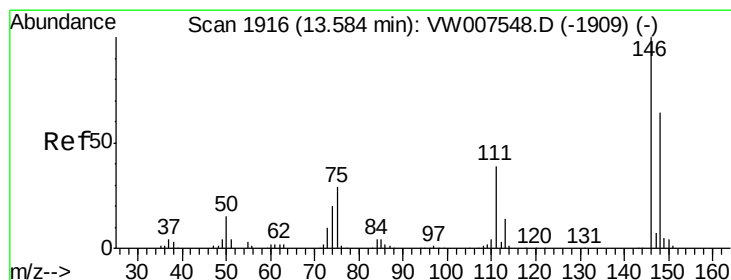
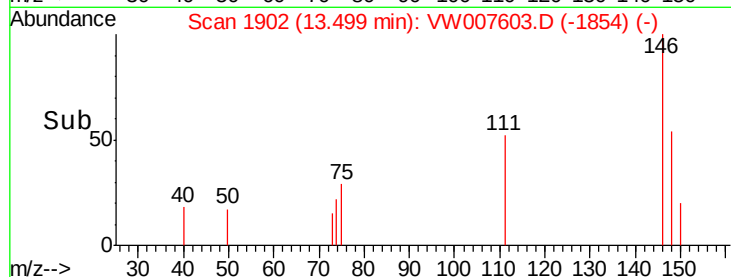
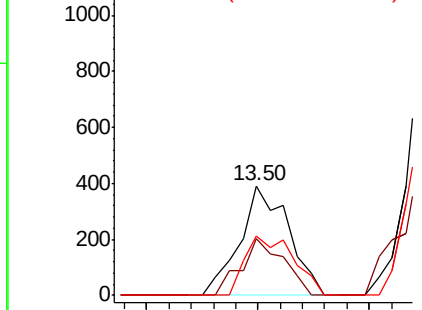
#87
 1,3-Dichlorobenzene
 Concen: 2.451 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007603.D
 Acq: 16 Dec 2018 02:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 597
 Ion Ratio Lower Upper
 146 100
 111 45.2 20.1 60.3
 148 54.1 31.4 94.0

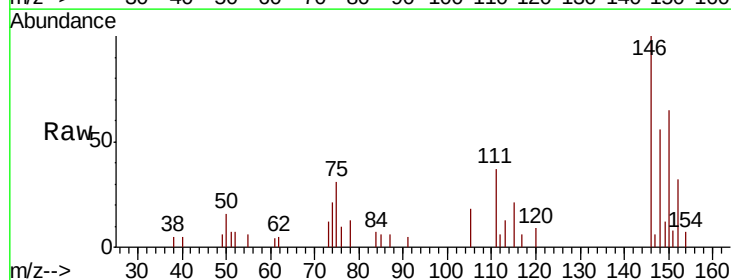


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

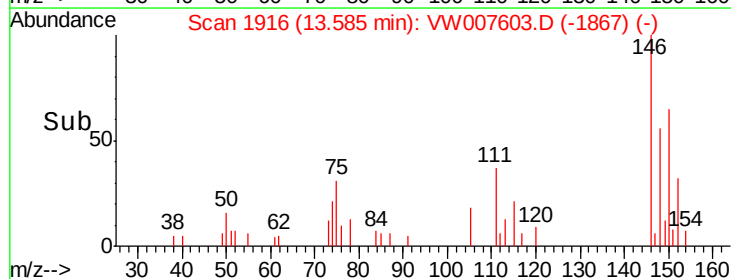
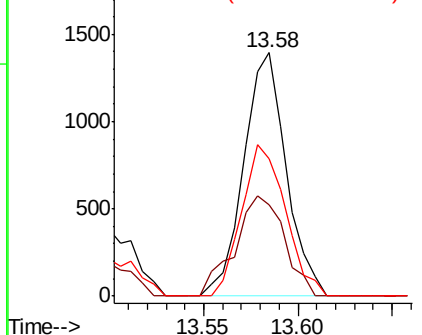


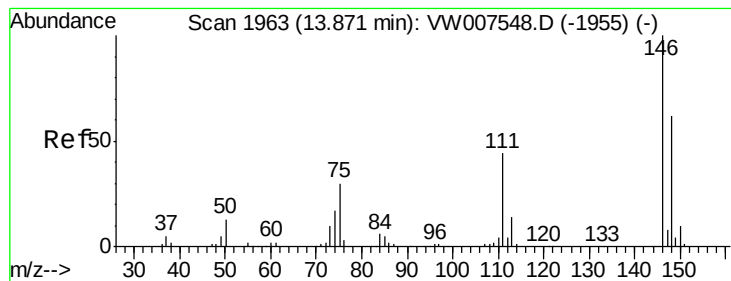
#88
 1,4-Dichlorobenzene
 Concen: 8.899 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007603.D
 Acq: 16 Dec 2018 02:05

Tgt Ion:146 Resp: 2179
 Ion Ratio Lower Upper
 146 100
 111 47.7 20.3 61.0
 148 64.0 33.5 100.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 1.307 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Instrument :

MSVOA_W

ClientSampleId :

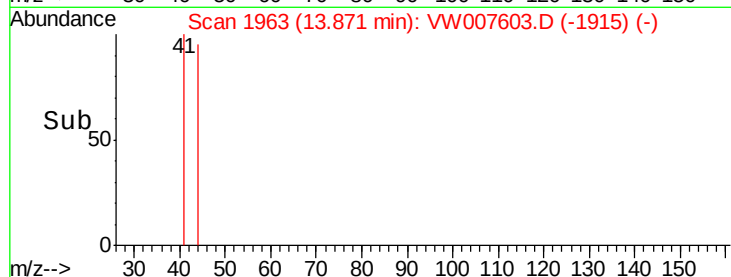
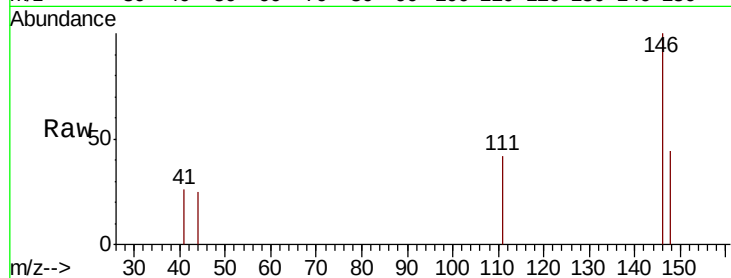
Tot Ion:146 Resp: 285

Ion Ratio Lower Upper

146 100

111 46.7 22.4 67.2

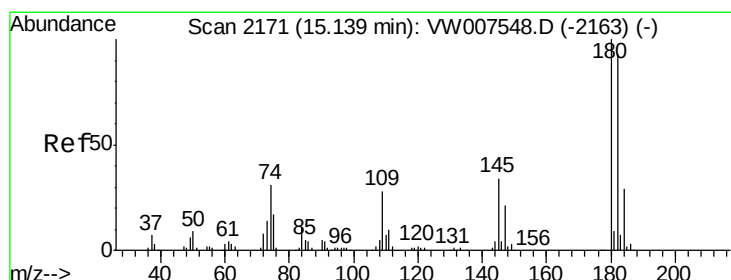
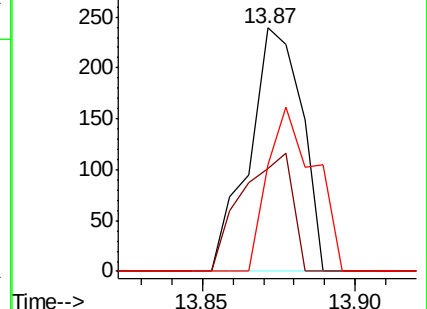
148 60.7 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 1.112 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

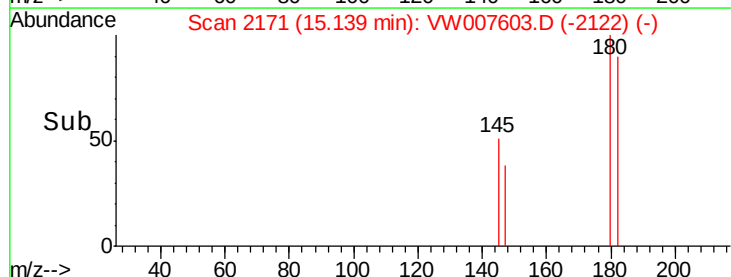
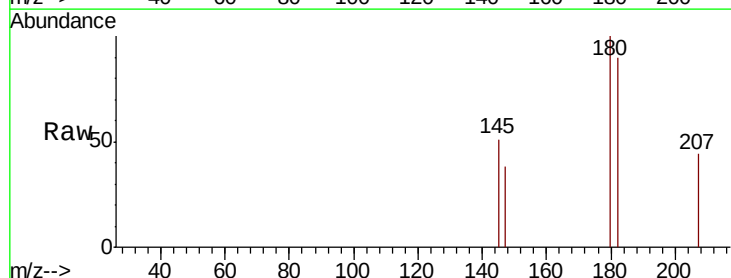
Tgt Ion:180 Resp: 167

Ion Ratio Lower Upper

180 100

182 110.2 49.9 149.6

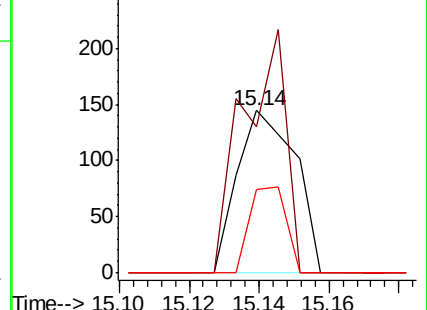
145 32.9 17.8 53.4

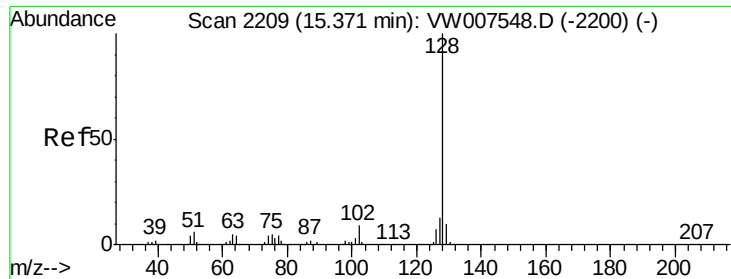


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.055 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

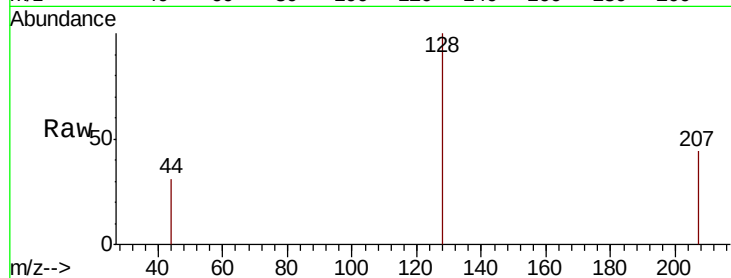
Lab File: VW007603.D

Acq: 16 Dec 2018 02:05

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:	128	Resp:	303
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.3	12.5#

