

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007785.D
 Acq On : 21 Dec 2018 10:24
 Operator : SY/AP
 Sample : J6389-10
 Misc : 6.05G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS014-0612-01

Quant Time: Dec 21 10:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	94058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	31568	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	39265	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
35) Dibromofluoromethane	7.88	113	34995	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	
50) Toluene-d8	10.32	98	107707	35.46	ug/l	0.00
Spiked Amount			Recovery	=	70.92%	
62) 4-Bromofluorobenzene	12.62	95	31826	27.12	ug/l	0.00
Spiked Amount			Recovery	=	54.24%	

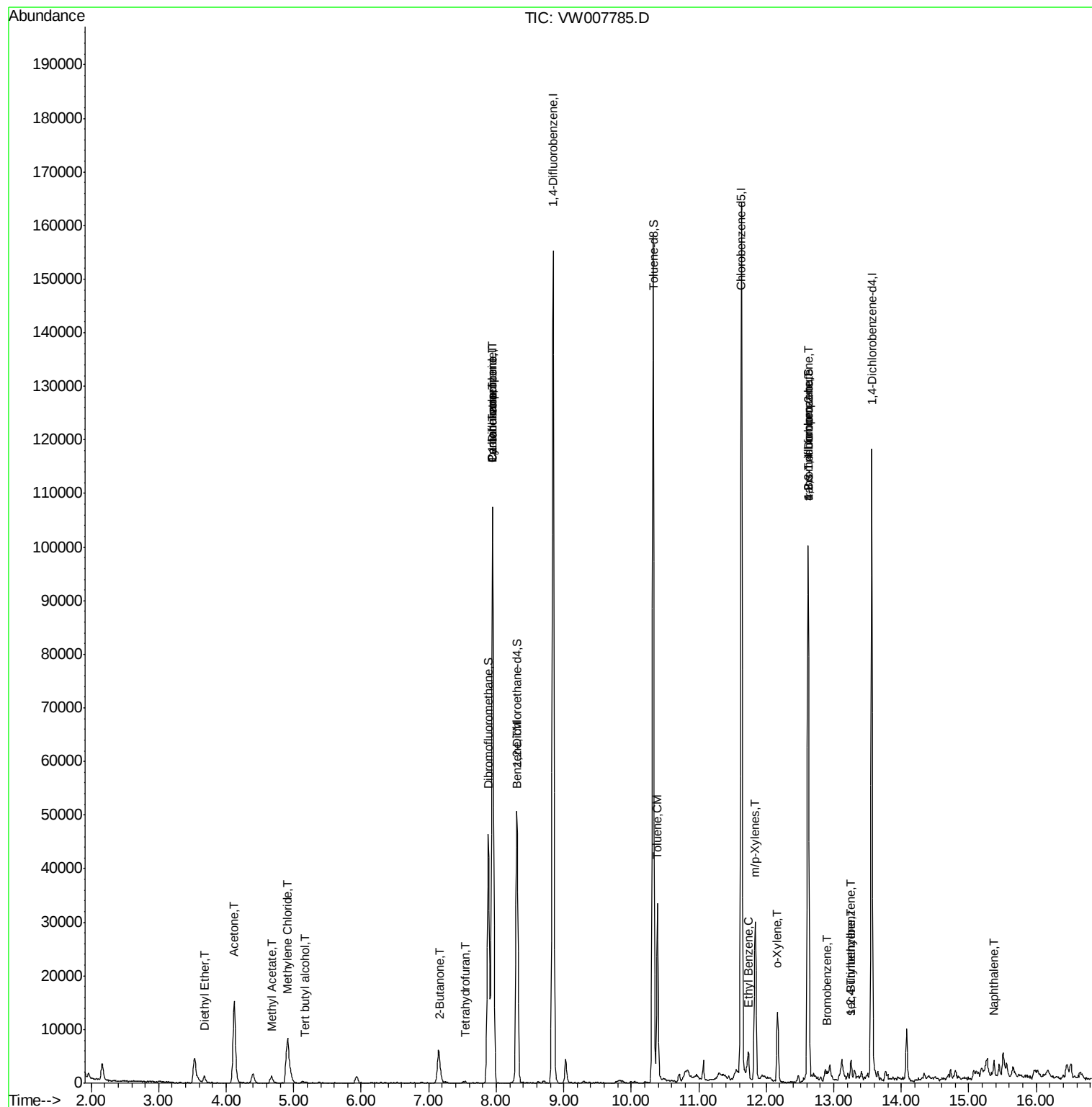
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	605	1.711	ug/l #	46
11) Tert butyl alcohol	5.16	59	136	2.305	ug/l #	73
16) Acetone	4.12	43	26093	159.296	ug/l	94
18) Methyl Acetate	4.67	43	2397	6.153	ug/l	89
20) Methylene Chloride	4.91	84	7967	3.913	ug/l	95
25) 2-Butanone	7.17	43	1750	9.121	ug/l	96
29) Tetrahydrofuran	7.53	42	311	2.718	ug/l #	45
31) Cyclohexane	7.95	56	1627	1.249	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	5832	4.575	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8323	5.544	ug/l #	15
40) Benzene	8.32	78	3734	1.098	ug/l	94
52) Toluene	10.39	92	14483	6.346	ug/l	100
67) Ethyl Benzene	11.74	91	3714	1.063	ug/l	99
68) m/p-Xylenes	11.84	106	9471	6.989	ug/l	98
69) o-Xylene	12.16	106	3573	2.813	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	16089	65.941	ug/l #	100
77) Bromobenzene	12.89	156	684	1.251	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	16089	138.415	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	2646	1.274	ug/l	94
85) sec-Butylbenzene	13.26	105	2646	1.063	ug/l #	56
95) Naphthalene	15.37	128	2911	2.333	ug/l	98

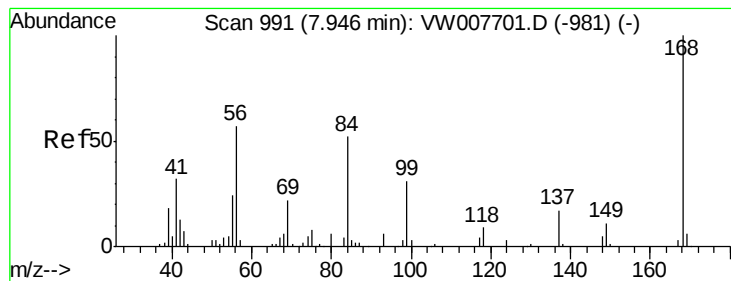
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

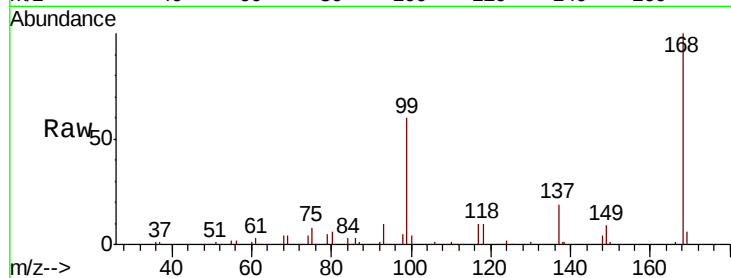
P001-SS014-0612-01

Tot Ion:168 Resp: 79808

Ion Ratio Lower Upper

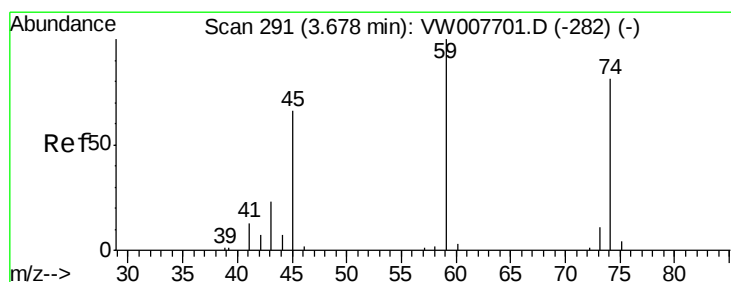
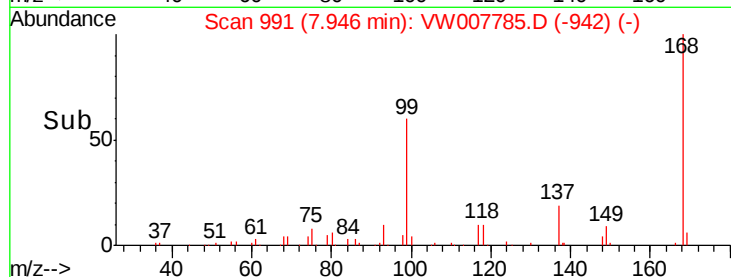
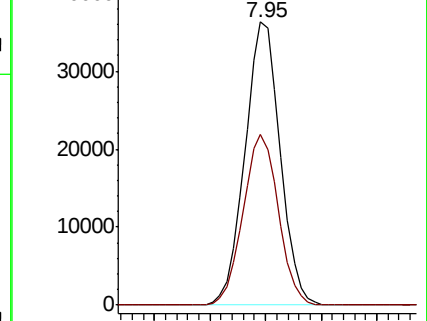
168 100

99 60.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.711 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007785.D

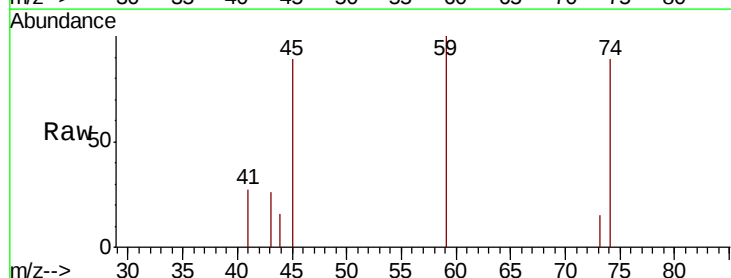
Acq: 21 Dec 2018 10:24

Tgt Ion: 74 Resp: 605

Ion Ratio Lower Upper

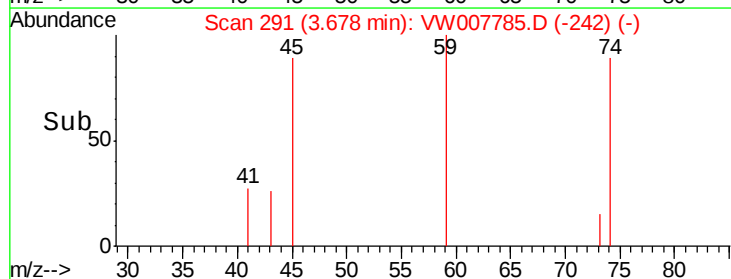
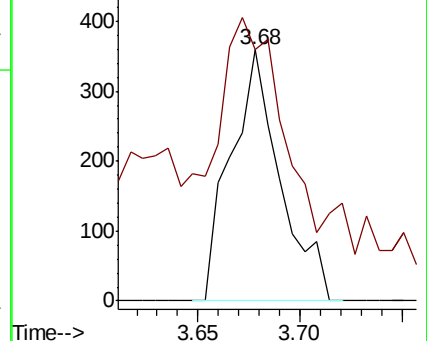
74 100

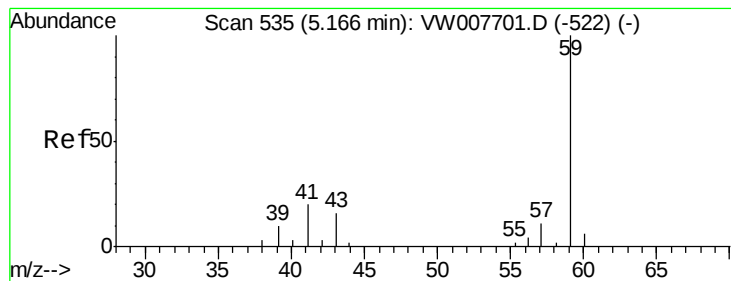
45 126.1 39.4 118.1#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



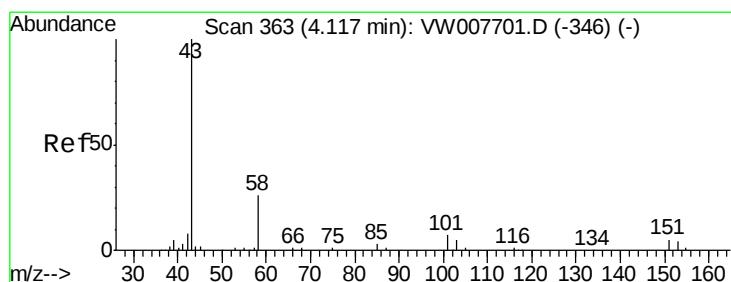
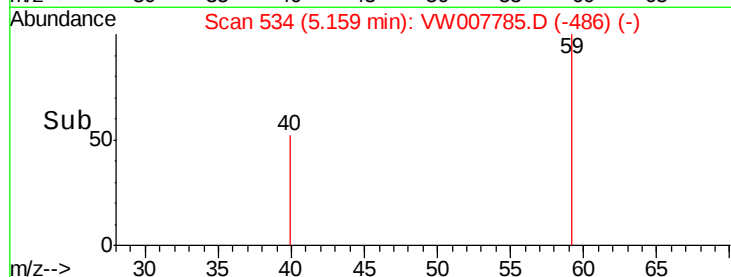
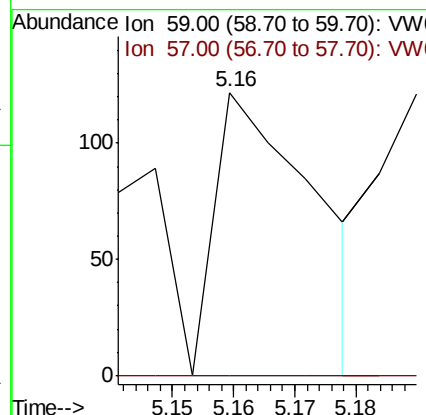
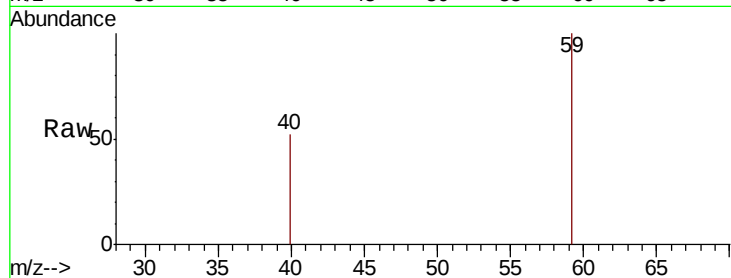


#11

Tert butyl alcohol
 Concen: 2.305 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW007785.D
 Acq: 21 Dec 2018 10:24

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS014-0612-01

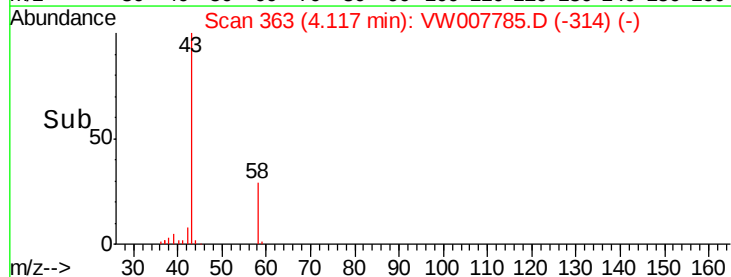
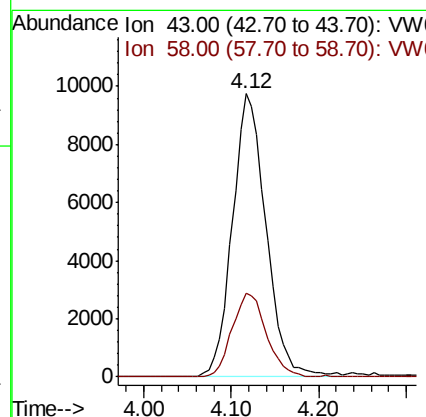
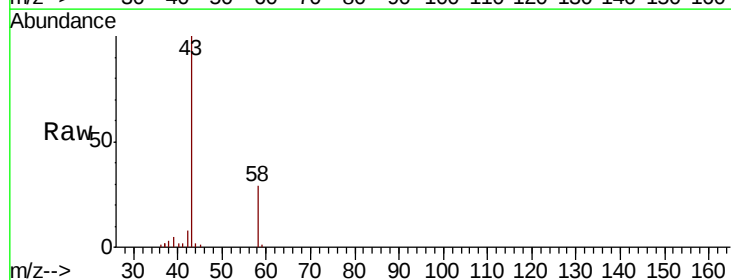
Tot Ion: 59 Resp: 136
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

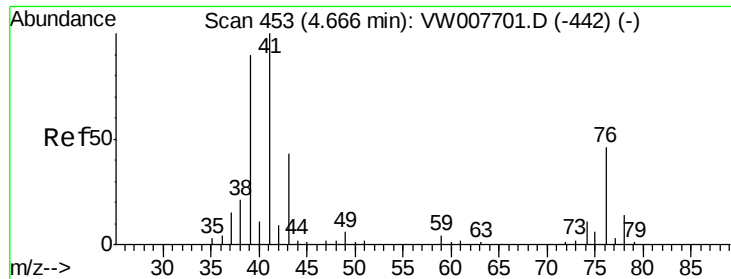


#16

Acetone
 Concen: 159.296 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW007785.D
 Acq: 21 Dec 2018 10:24

Tgt Ion: 43 Resp: 26093
 Ion Ratio Lower Upper
 43 100
 58 29.4 21.2 31.8

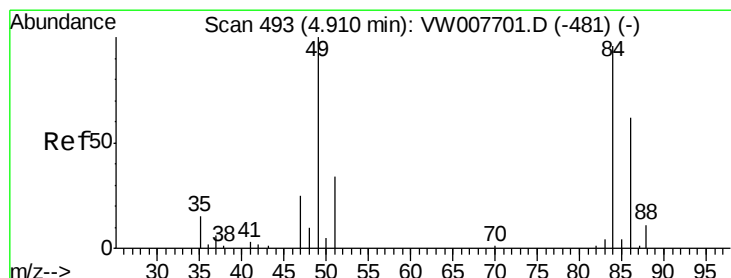
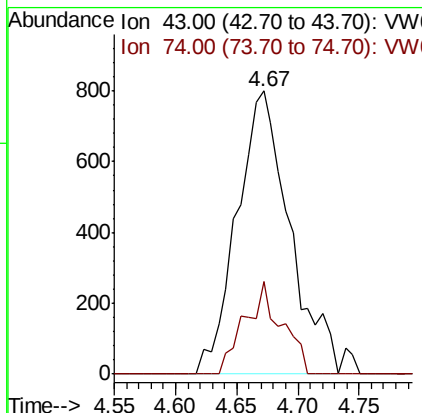
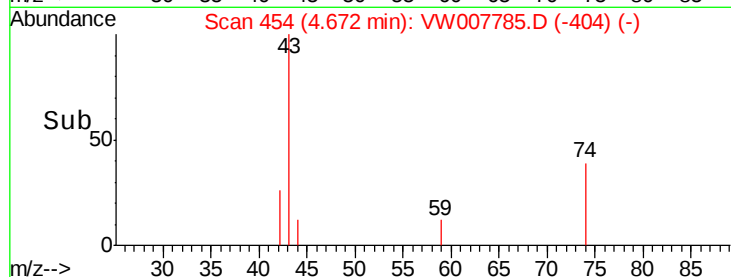
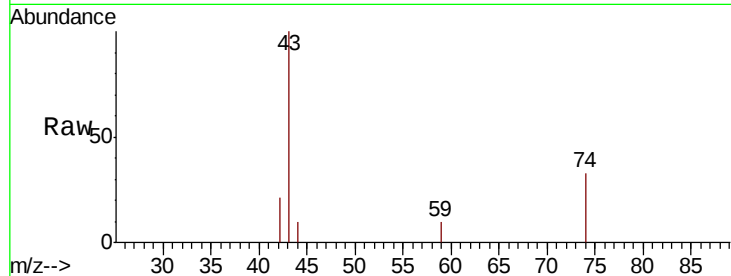




#18
Methyl Acetate
Concen: 6.153 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007785.D
Acq: 21 Dec 2018 10:24

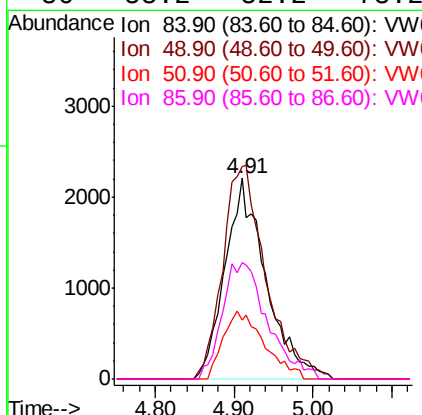
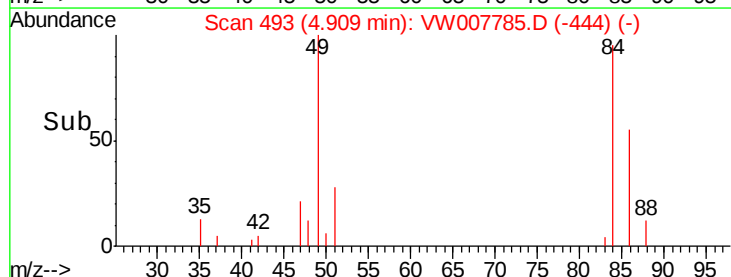
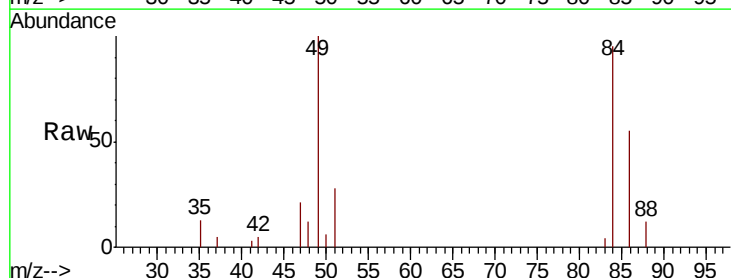
Instrument :
MSVOA_W
ClientSampleId :
P001-SS014-0612-01

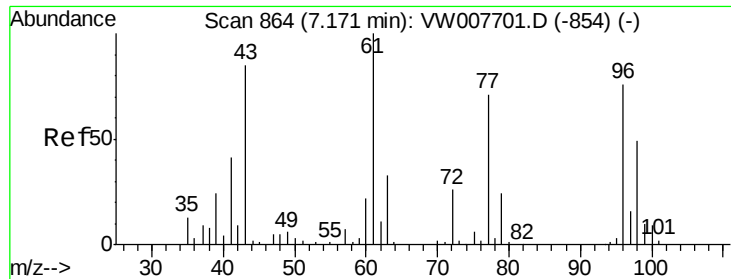
Tot Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
74 22.8 22.7 34.1



#20
Methylene Chloride
Concen: 3.913 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007785.D
Acq: 21 Dec 2018 10:24

Tgt Ion: 84 Resp: 7967
Ion Ratio Lower Upper
84 100
49 105.7 83.7 125.5
51 29.4 28.2 42.2
86 58.2 52.2 78.2





#25

2-Butanone

Concen: 9.121 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

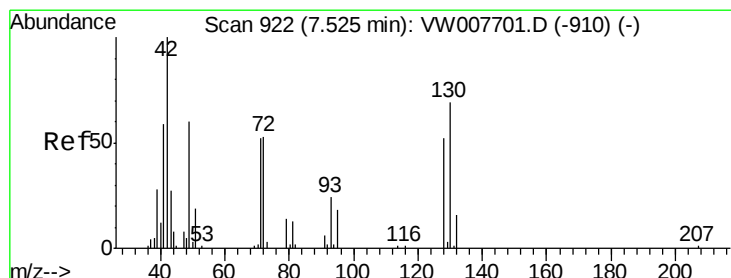
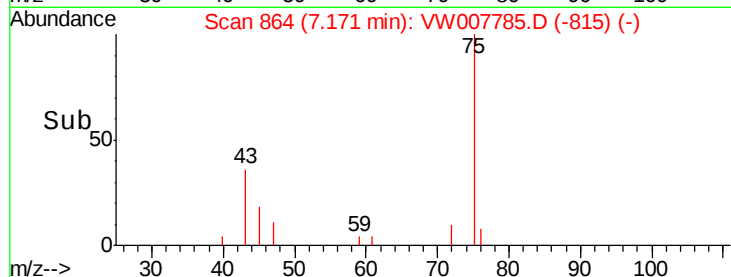
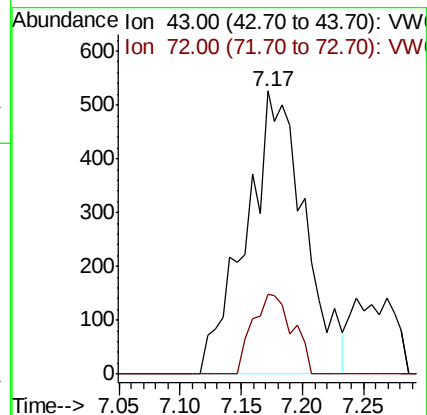
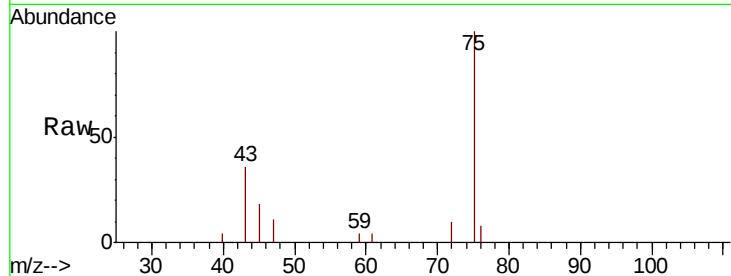
P001-SS014-0612-01

Tot Ion: 43 Resp: 1750

Ion Ratio Lower Upper

43 100

72 28.3 24.5 36.7



#29

Tetrahydrofuran

Concen: 2.718 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

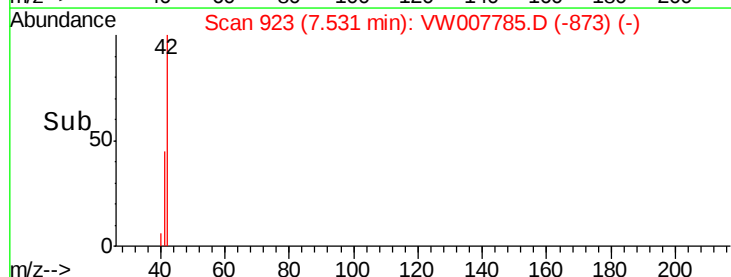
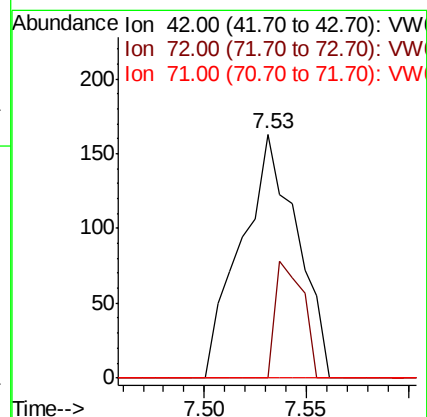
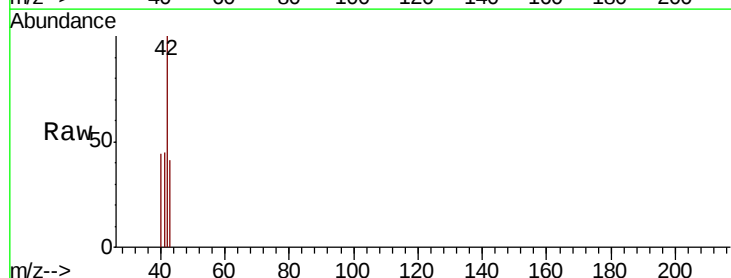
Tgt Ion: 42 Resp: 311

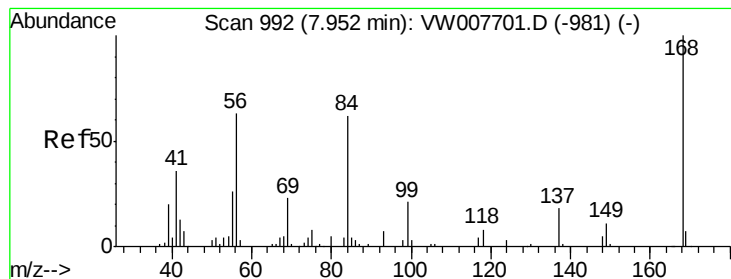
Ion Ratio Lower Upper

42 100

72 23.8 41.7 62.5#

71 0.0 39.0 58.6#





#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

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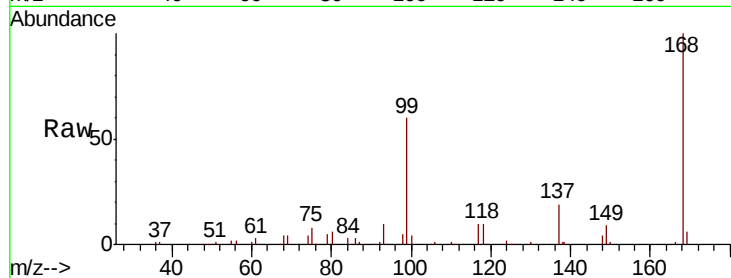
Tot Ion: 56 Resp: 1627

Ion Ratio Lower Upper

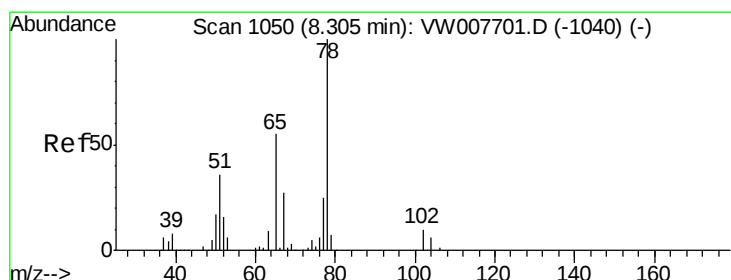
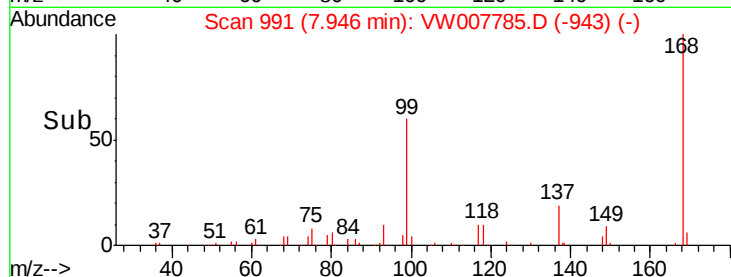
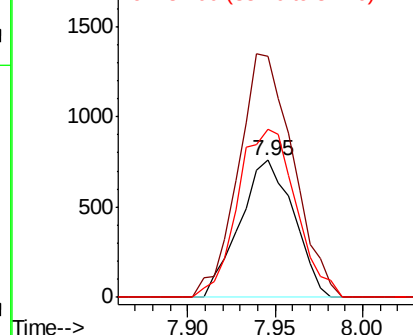
56 100

69 175.9 29.7 44.5#

84 122.8 78.9 118.3#



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: 44.888 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007785.D

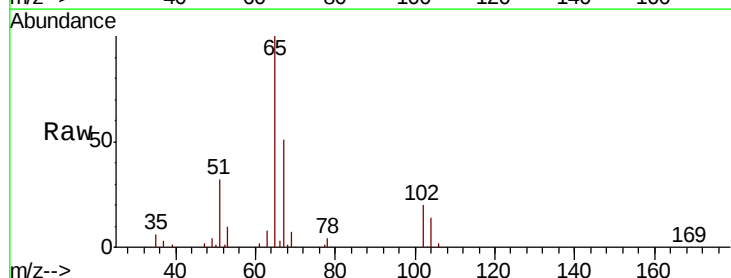
Acq: 21 Dec 2018 10:24

Tgt Ion: 65 Resp: 39265

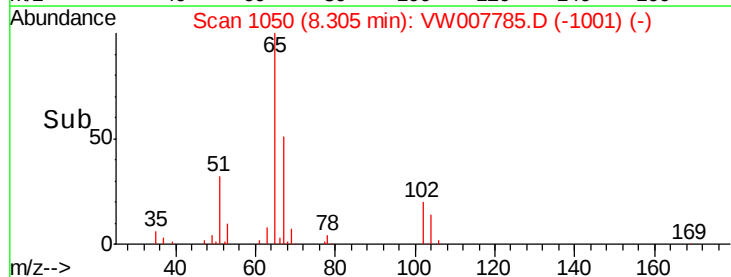
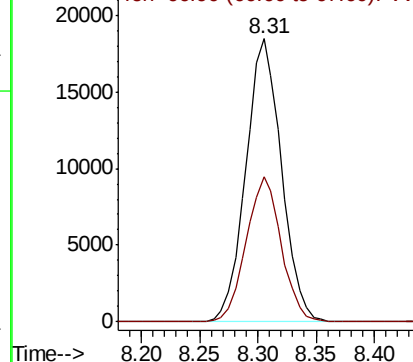
Ion Ratio Lower Upper

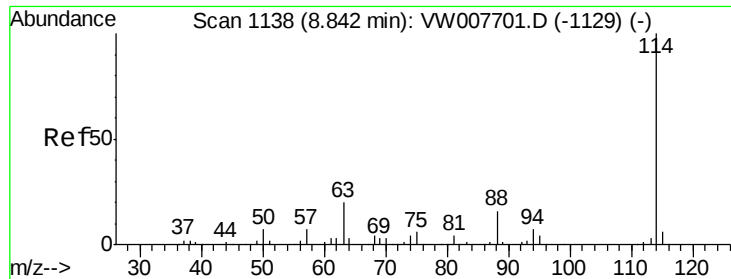
65 100

67 50.3 0.0 100.6



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

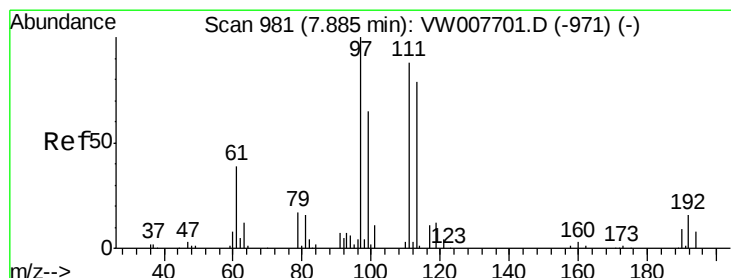
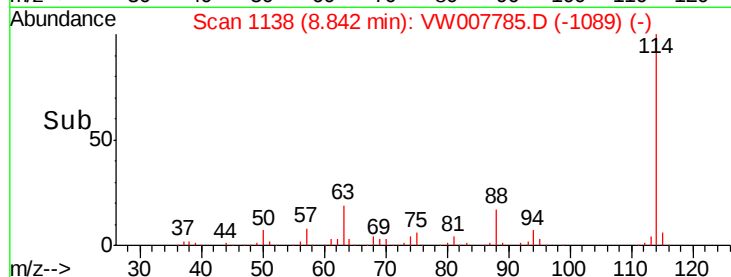
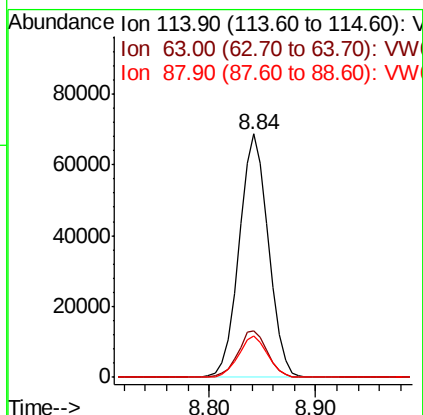
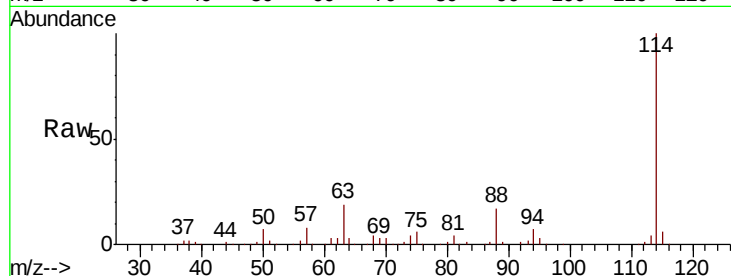




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007785.D
 Acq: 21 Dec 2018 10:24

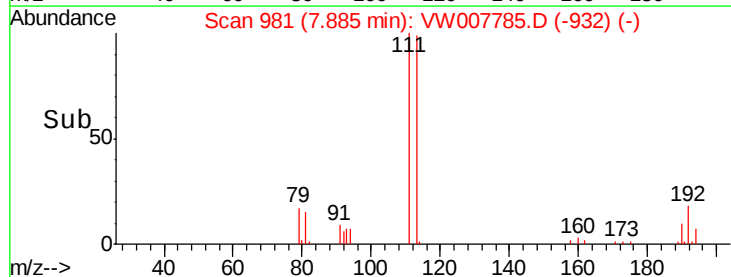
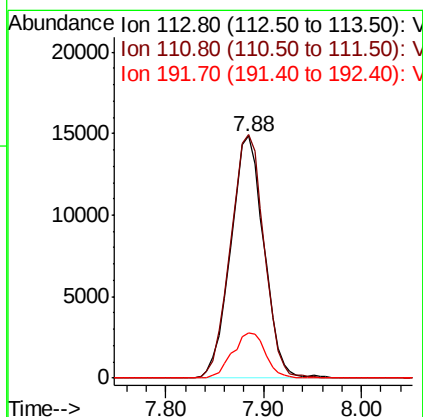
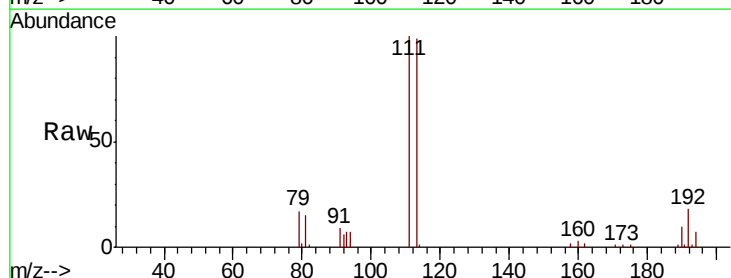
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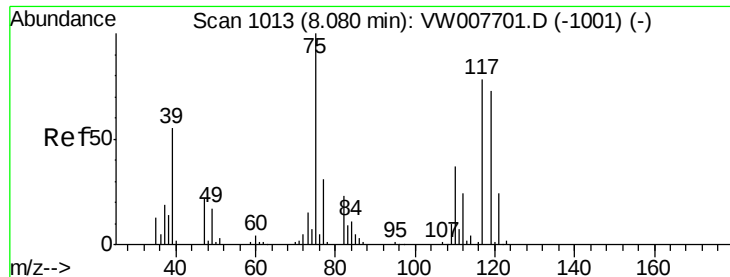
Tot Ion:114 Resp: 132063
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 17.1 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 43.437 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007785.D
 Acq: 21 Dec 2018 10:24

Tgt Ion:113 Resp: 34995
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 124.0
 192 18.2 15.5 23.3





#36

1,1-Dichloropropene

Concen: 4.575 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0612-01

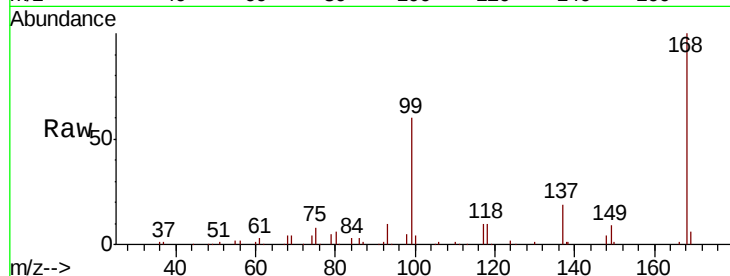
Tot Ion: 75 Resp: 5832

Ion Ratio Lower Upper

75 100

110 10.4 18.6 55.8#

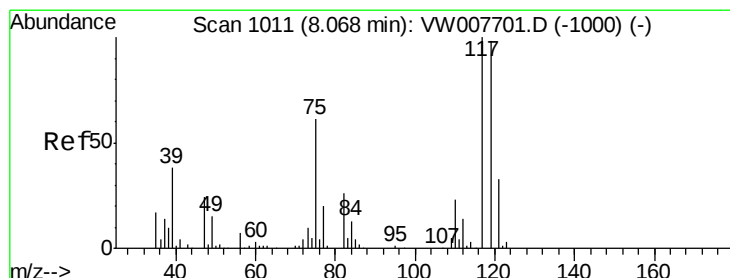
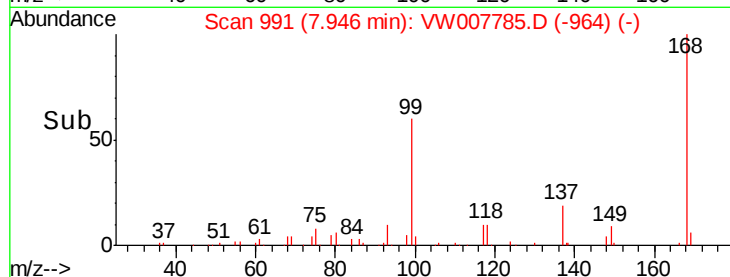
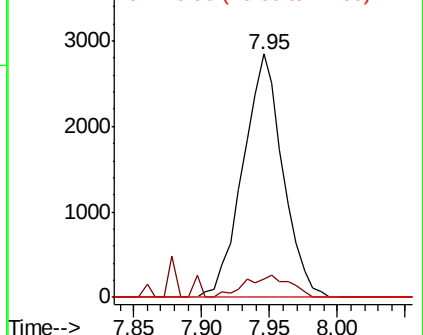
77 0.0 25.0 37.4#



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: 5.544 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

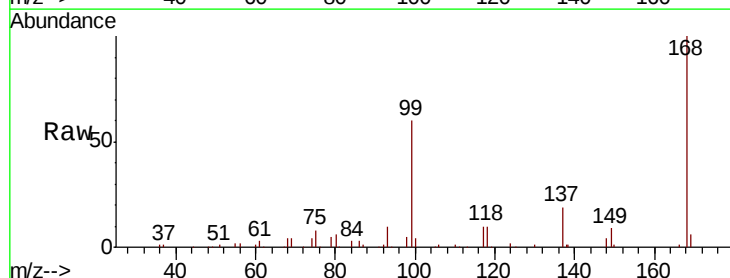
Tgt Ion: 117 Resp: 8323

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

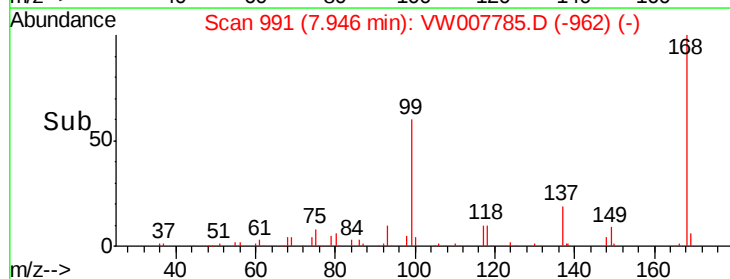
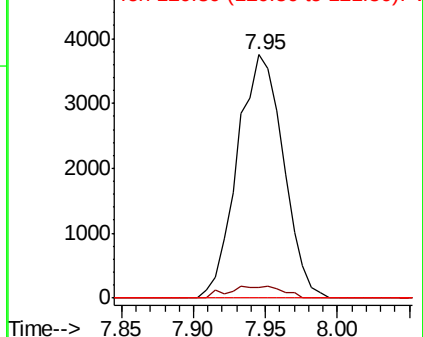
121 0.0 26.1 39.1#

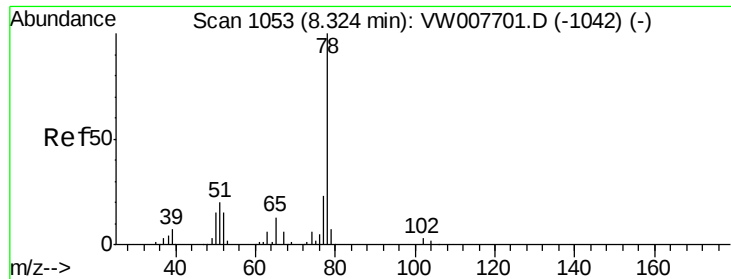


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.098 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

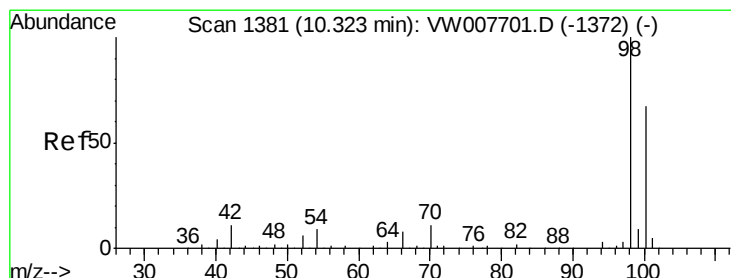
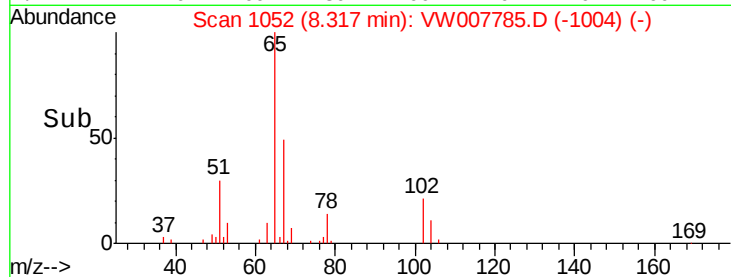
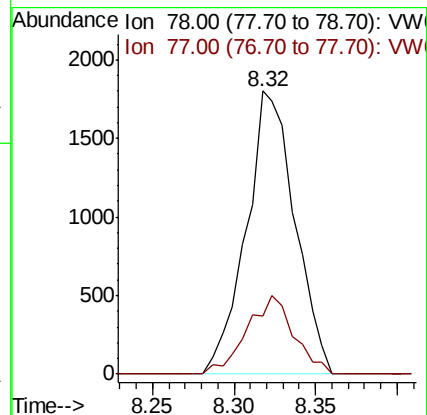
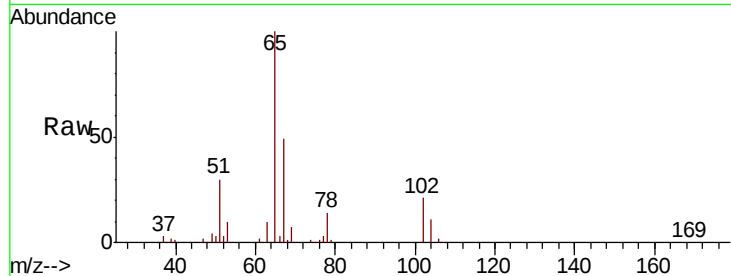
P001-SS014-0612-01

Tot Ion: 78 Resp: 3734

Ion Ratio Lower Upper

78 100

77 20.6 18.7 28.1



#50

Toluene-d8

Concen: 35.463 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007785.D

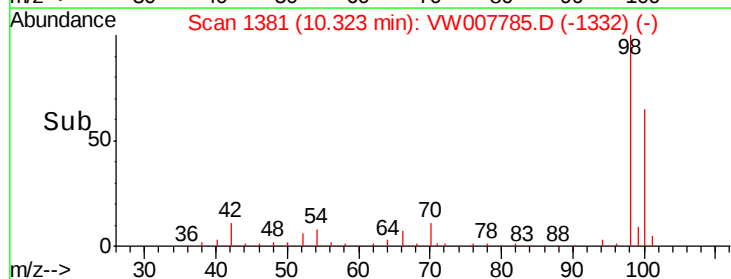
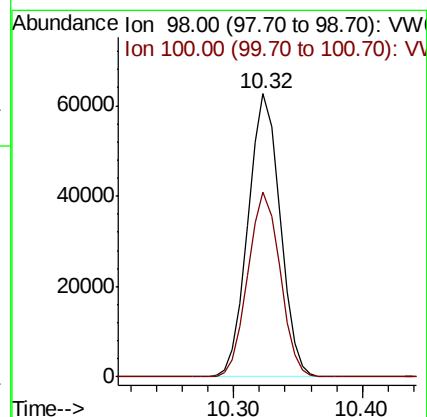
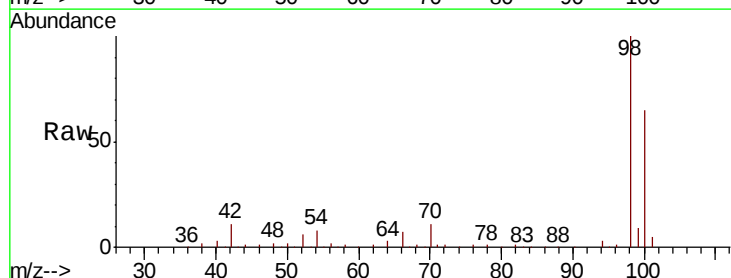
Acq: 21 Dec 2018 10:24

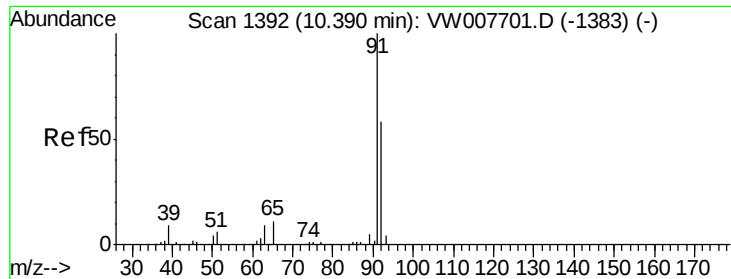
Tgt Ion: 98 Resp: 107707

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2





#52

Toluene

Concen: 6.346 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

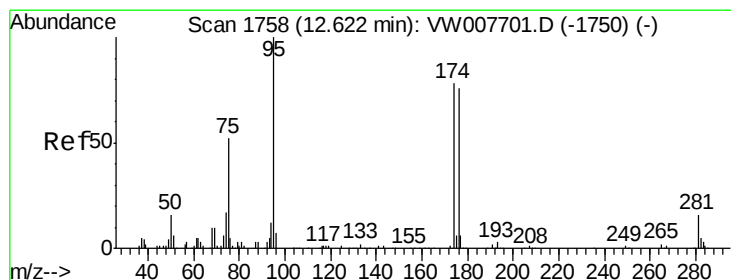
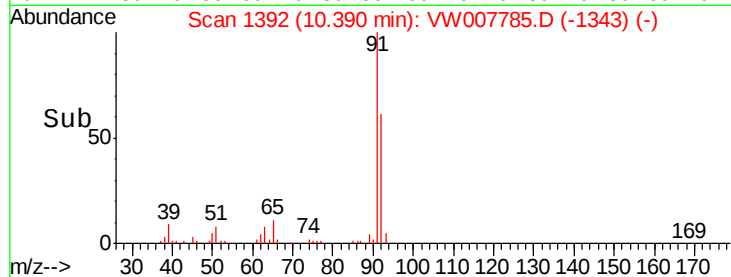
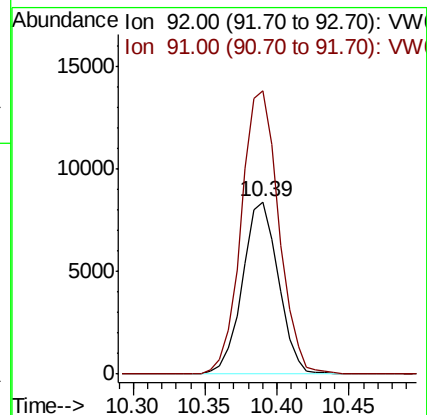
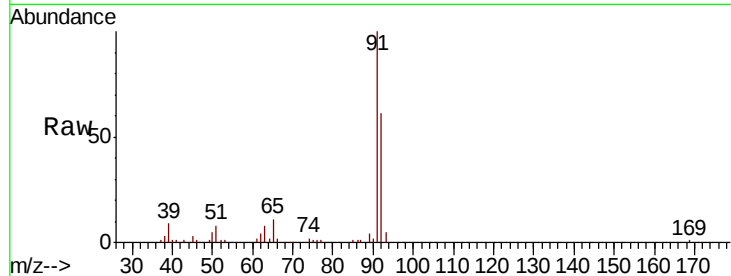
P001-SS014-0612-01

Tot Ion: 92 Resp: 14483

Ion Ratio Lower Upper

92 100

91 171.4 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 27.124 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

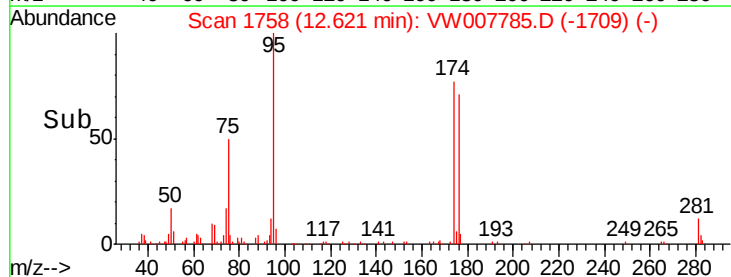
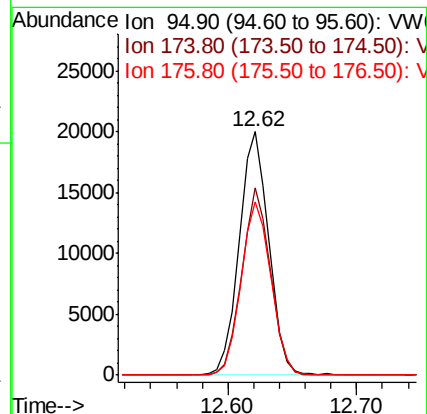
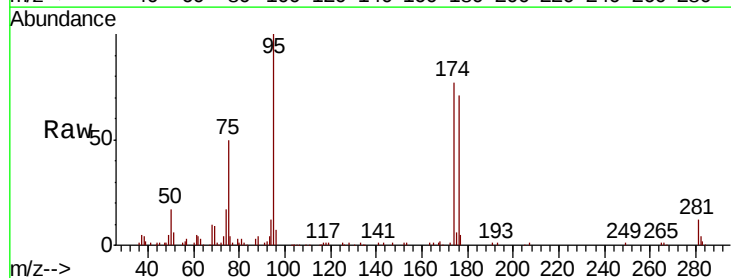
Tgt Ion: 95 Resp: 31826

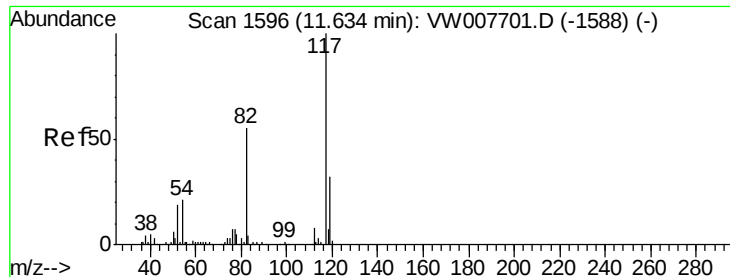
Ion Ratio Lower Upper

95 100

174 74.4 0.0 152.2

176 71.5 0.0 146.8

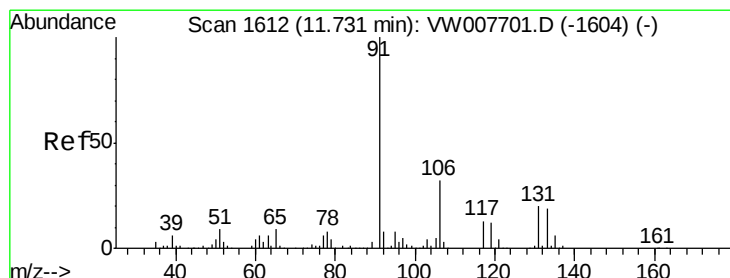
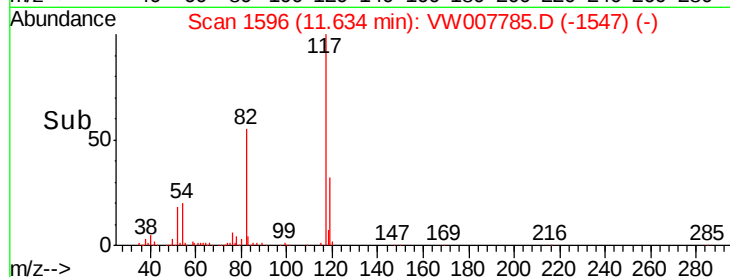
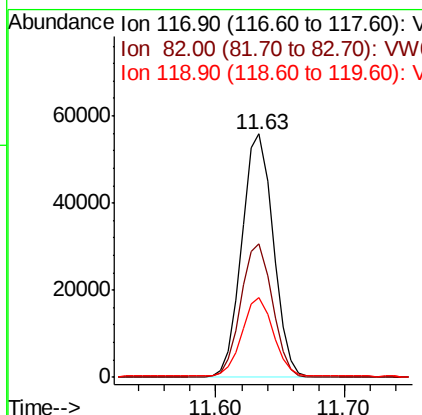
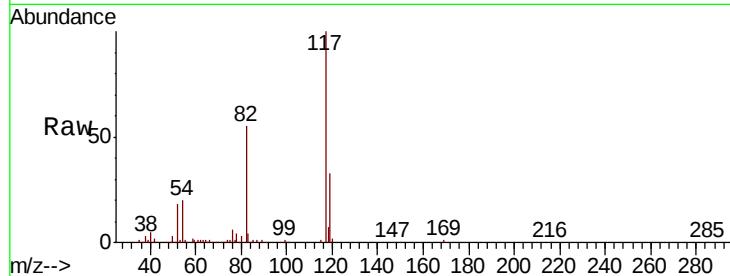




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007785.D
Acq: 21 Dec 2018 10:24

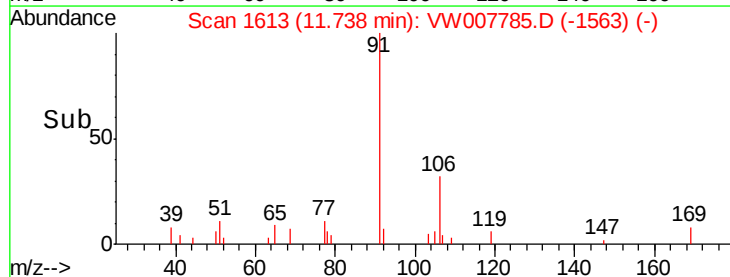
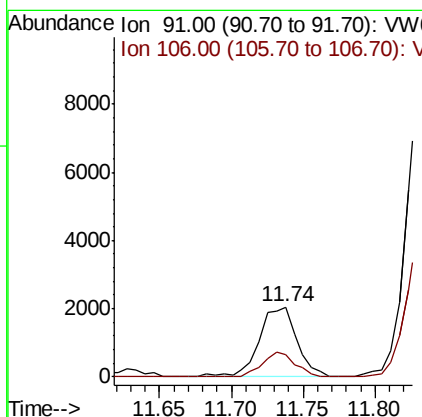
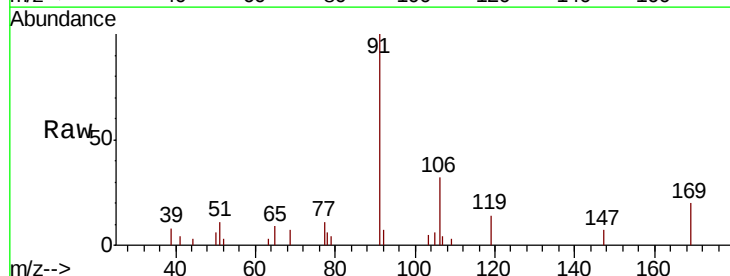
Instrument :
MSVOA_W
ClientSampleId :
P001-SS014-0612-01

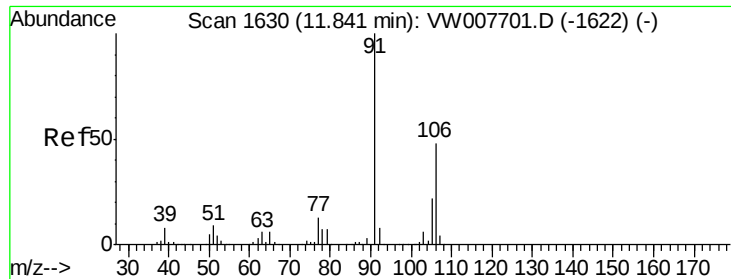
Tot Ion:117 Resp: 94058
Ion Ratio Lower Upper
117 100
82 54.9 44.3 66.5
119 32.4 25.7 38.5



#67
Ethyl Benzene
Concen: 1.063 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007785.D
Acq: 21 Dec 2018 10:24

Tgt Ion: 91 Resp: 3714
Ion Ratio Lower Upper
91 100
106 31.6 25.8 38.8

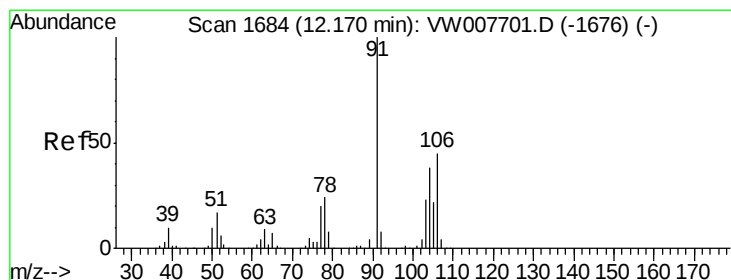
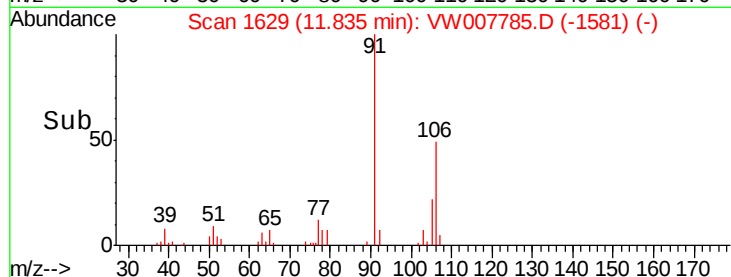
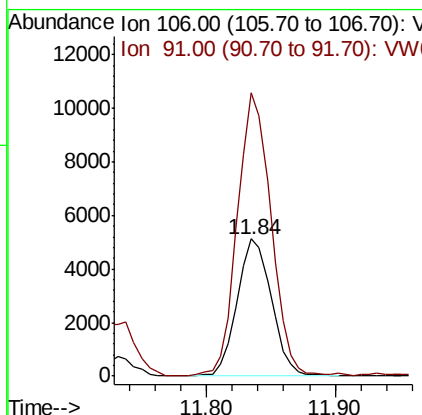
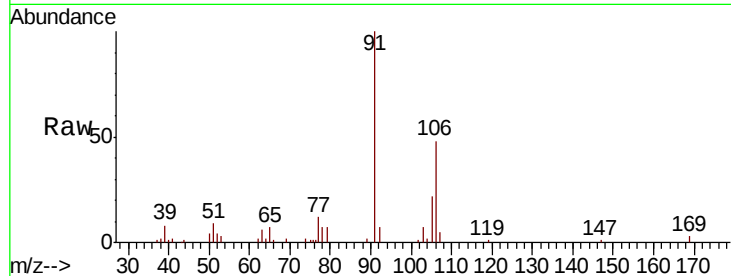




#68
m/p-Xylenes
Concen: 6.989 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007785.D
Acq: 21 Dec 2018 10:24

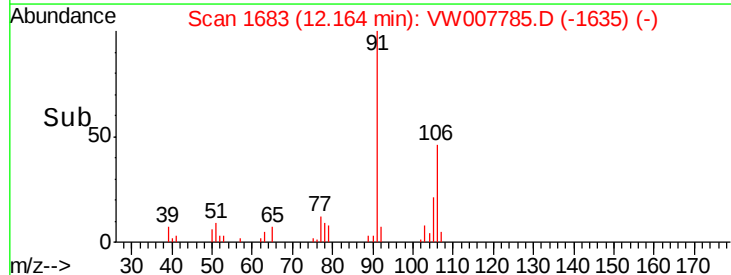
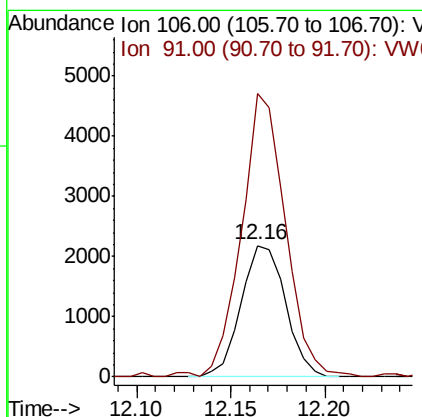
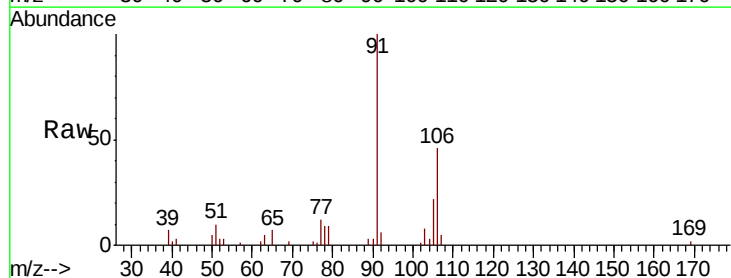
Instrument :
MSVOA_W
ClientSampleId :
P001-SS014-0612-01

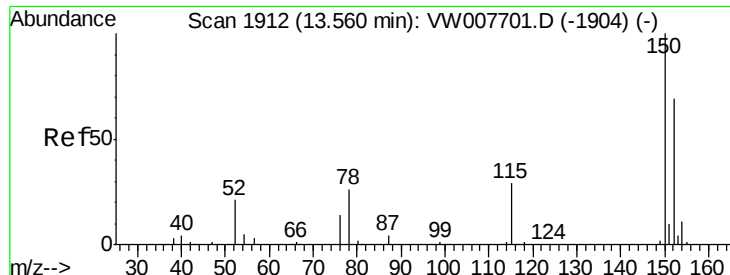
Tot Ion:106 Resp: 9471
Ion Ratio Lower Upper
106 100
91 202.7 165.2 247.8



#69
o-Xylene
Concen: 2.813 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007785.D
Acq: 21 Dec 2018 10:24

Tgt Ion:106 Resp: 3573
Ion Ratio Lower Upper
106 100
91 213.4 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0612-01

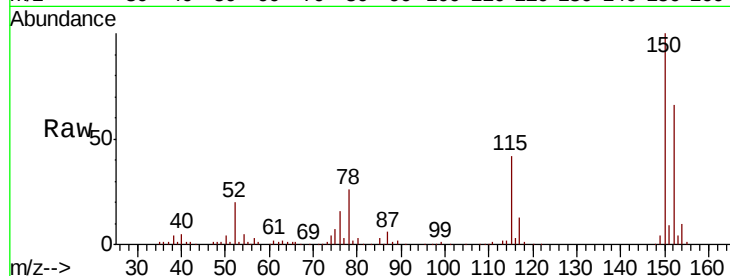
Tot Ion:152 Resp: 31568

Ion Ratio Lower Upper

152 100

115 62.4 31.8 95.4

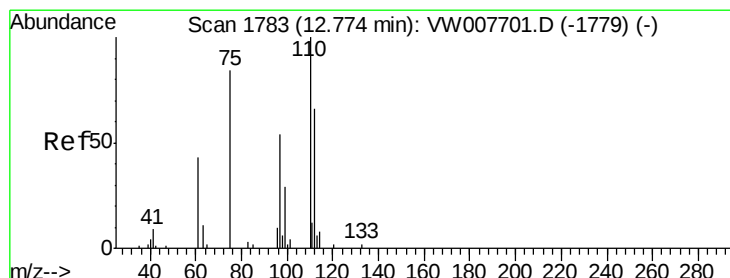
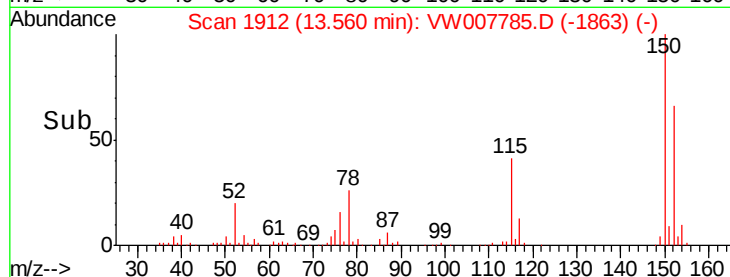
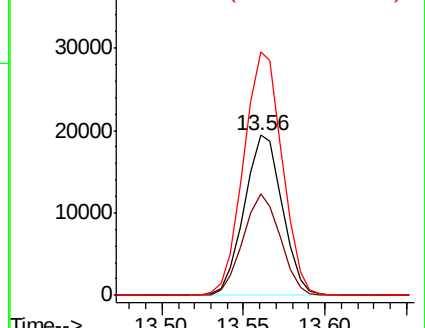
150 154.0 0.0 350.8



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: 65.941 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007785.D

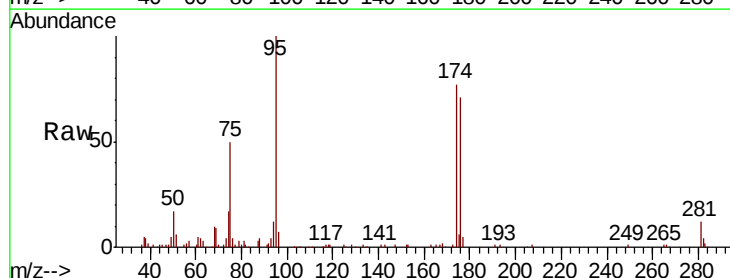
Acq: 21 Dec 2018 10:24

Tgt Ion: 75 Resp: 16089

Ion Ratio Lower Upper

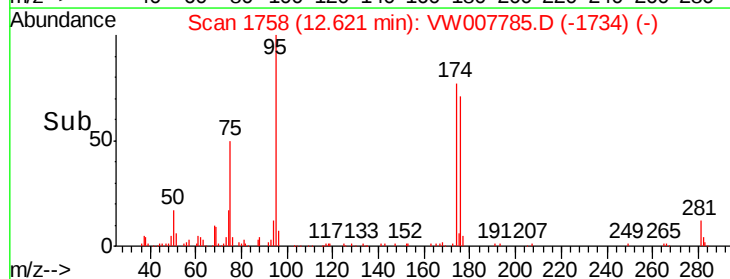
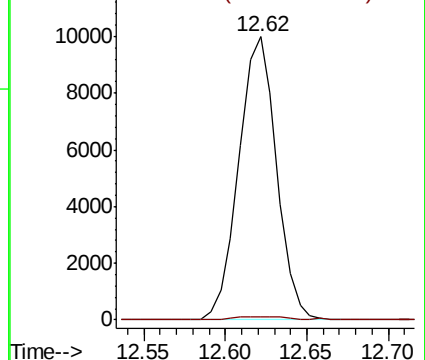
75 100

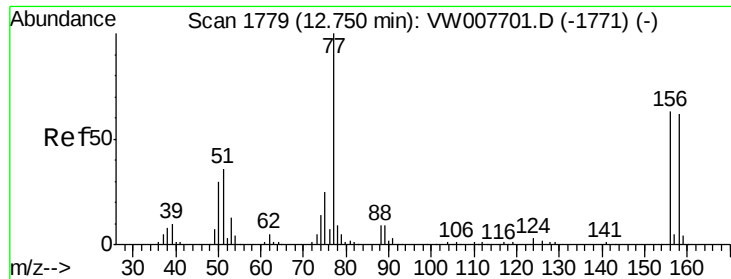
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.251 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.14 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0612-01

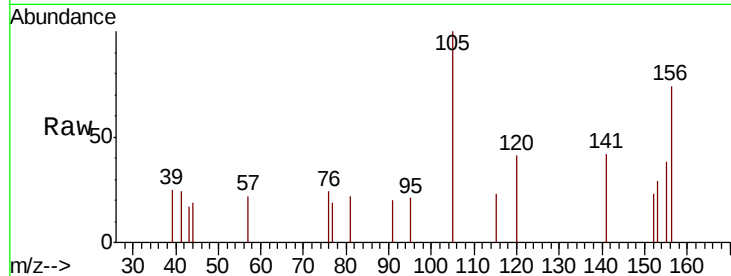
Tot Ion:156 Resp: 684

Ion Ratio Lower Upper

156 100

77 27.8 87.4 262.1#

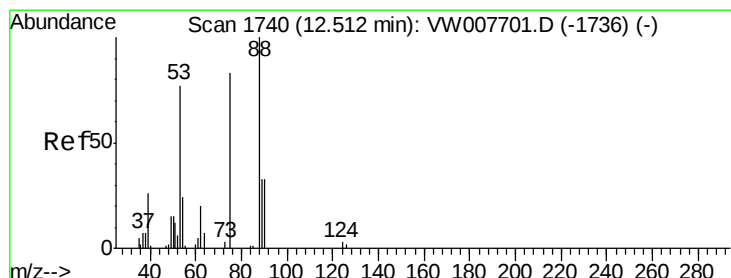
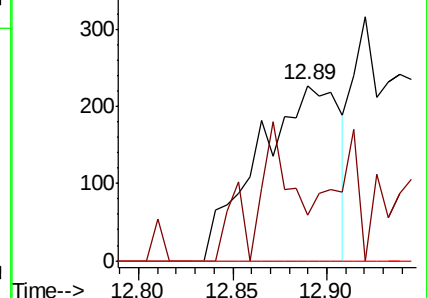
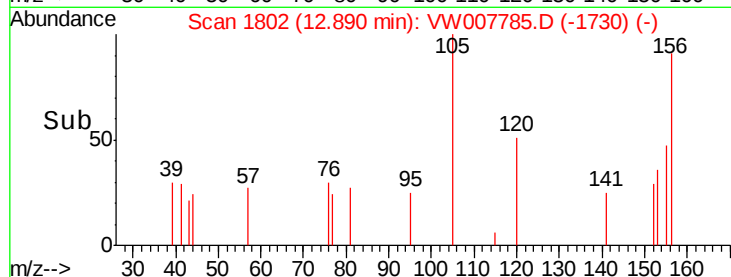
158 0.0 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 138.415 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

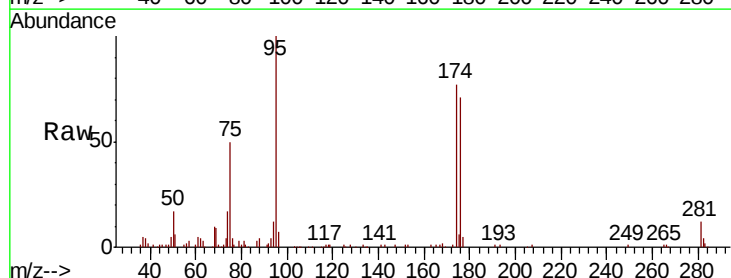
Tgt Ion: 75 Resp: 16089

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

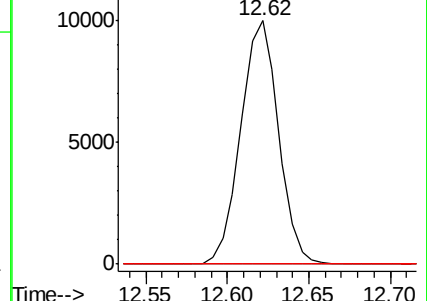
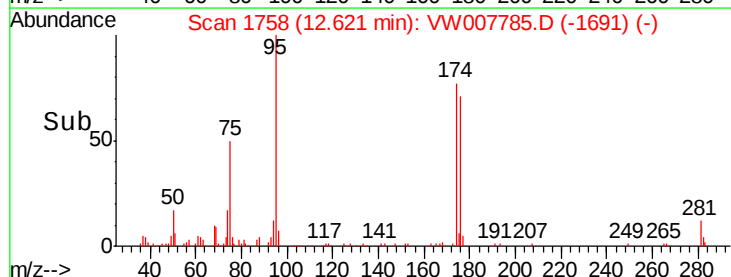
89 0.0 39.2 58.8#

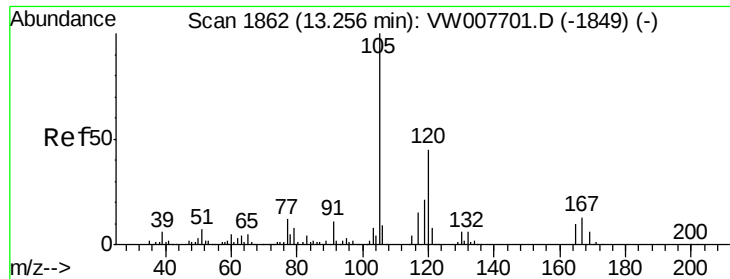


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

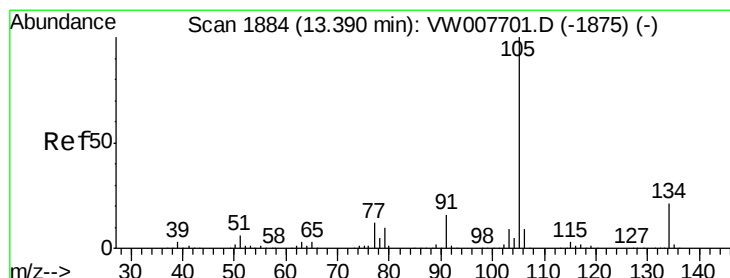
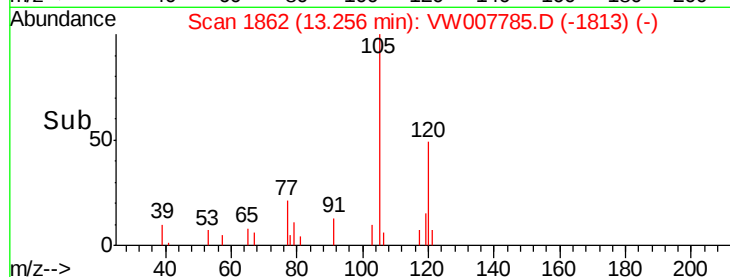
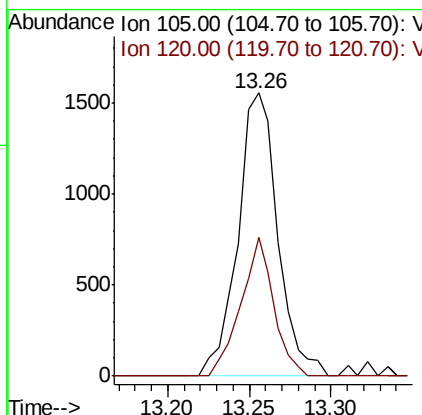
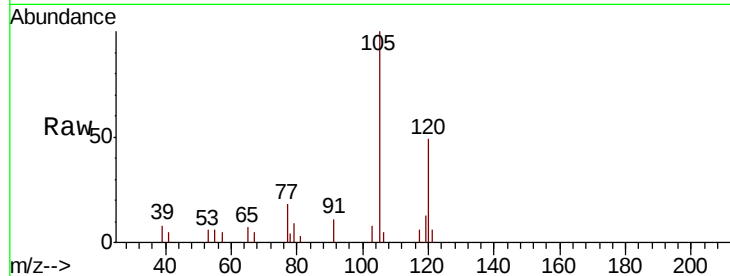




#84
 1,2,4-Trimethylbenzene
 Concen: 1.274 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007785.D
 Acq: 21 Dec 2018 10:24

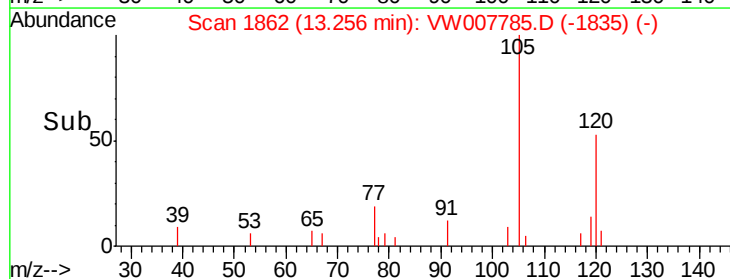
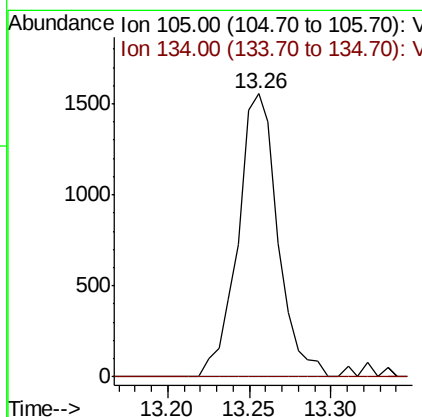
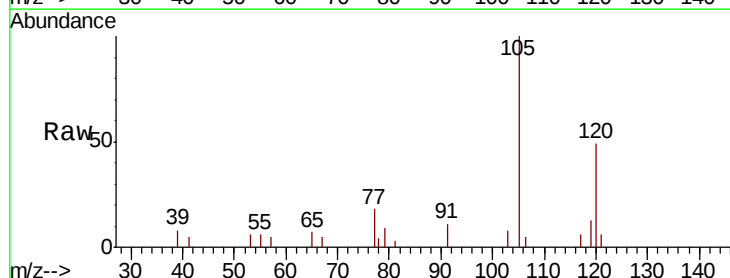
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS014-0612-01

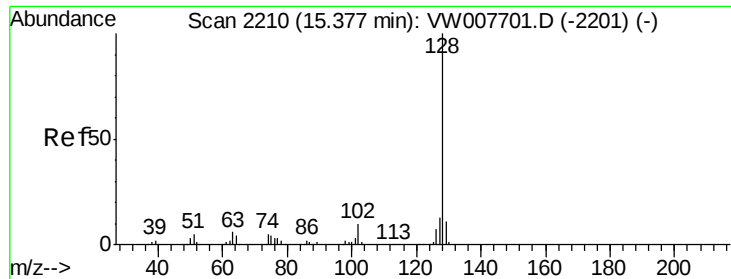
Tot Ion:105 Resp: 2646
 Ion Ratio Lower Upper
 105 100
 120 40.4 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 1.063 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007785.D
 Acq: 21 Dec 2018 10:24

Tgt Ion:105 Resp: 2646
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#





#95

Naphthalene

Concen: 2.333 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007785.D

Acq: 21 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0612-01

Tot Ion:128 Resp: 2911

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 12.9 8.8 13.2

