

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007562.D
 Acq On : 15 Dec 2018 04:57
 Operator : SY/AP
 Sample : J6391-01
 Misc : 3.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01

Quant Time: Dec 15 06:01:20 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	37916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	66676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	41338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	10362	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	31362	74.56	ug/l	0.00
Spiked Amount			Recovery	=	149.12%	
35) Dibromofluoromethane	7.88	113	24846	61.56	ug/l	0.00
Spiked Amount			Recovery	=	123.12%	
50) Toluene-d8	10.32	98	63217	41.77	ug/l	0.00
Spiked Amount			Recovery	=	83.54%	
62) 4-Bromofluorobenzene	12.62	95	14782	26.57	ug/l	0.00
Spiked Amount			Recovery	=	53.14%	

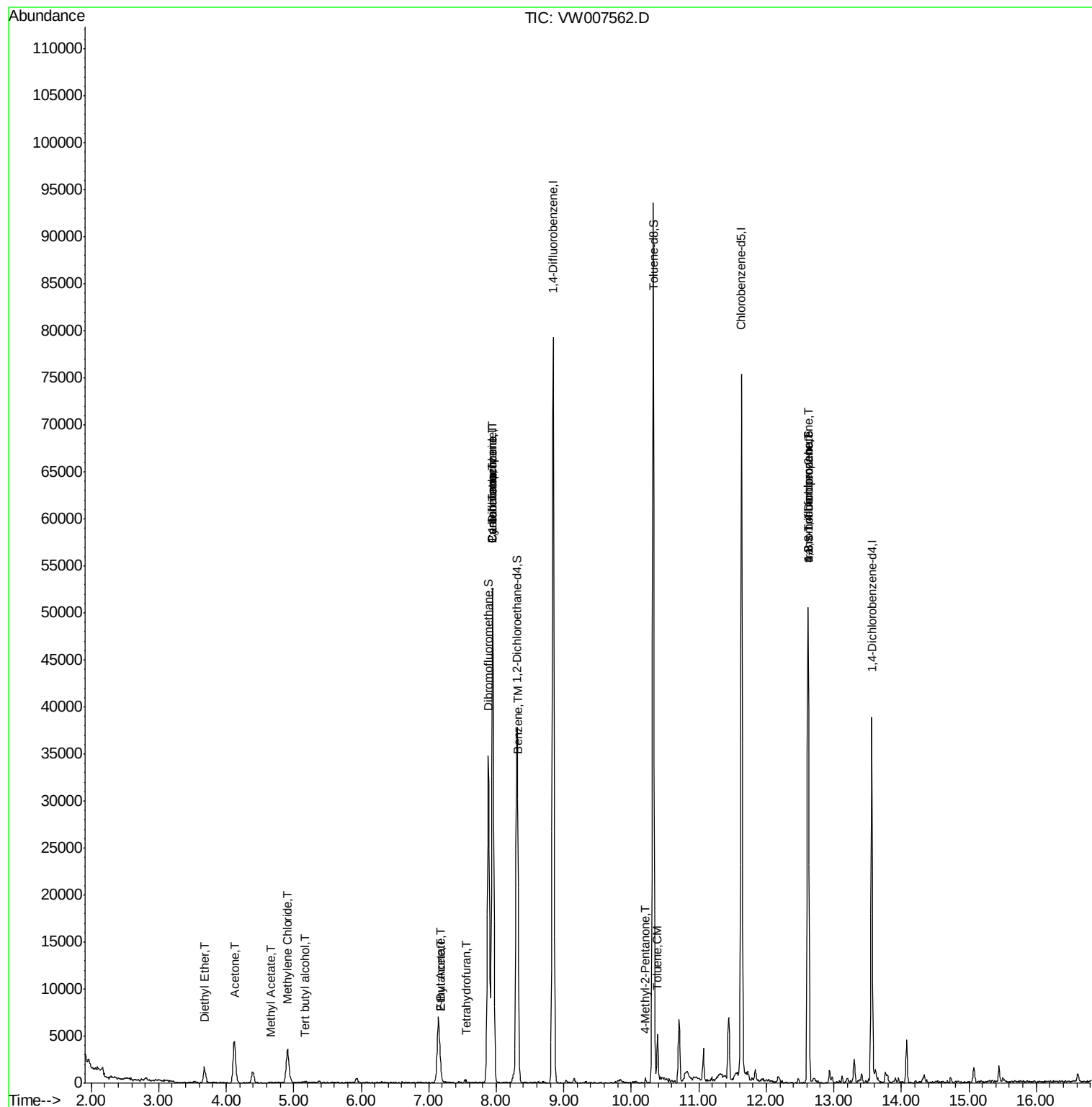
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	993	5.419	ug/l	93
11) Tert butyl alcohol	5.17	59	384	13.292	ug/l #	74
16) Acetone	4.12	43	7971	108.486	ug/l	100
18) Methyl Acetate	4.67	43	255	1.279	ug/l #	49
20) Methylene Chloride	4.90	84	3051	3.988	ug/l	87
25) 2-Butanone	7.18	43	826	8.611	ug/l #	85
29) Tetrahydrofuran	7.56	42	132	2.174	ug/l #	30
31) Cyclohexane	7.95	56	854	1.307	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	3032	4.985	ug/l #	48
37) Ethyl Acetate	7.18	43	826	3.651	ug/l #	66
38) Carbon Tetrachloride	7.95	117	4138	6.253	ug/l #	18
40) Benzene	8.32	78	3239	1.919	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	329	1.558	ug/l #	82
52) Toluene	10.39	92	2335	2.138	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	7631	89.317	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	7631	197.301	ug/l #	7

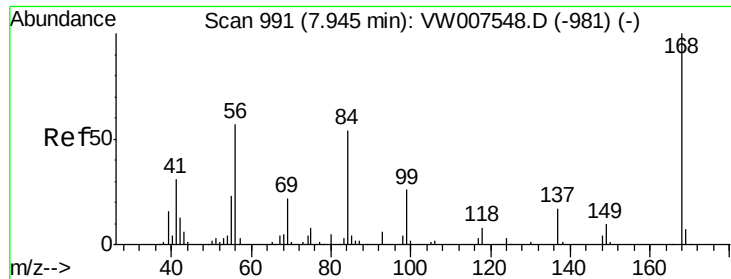
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

Instrument :

MSVOA_W

ClientSampleId :

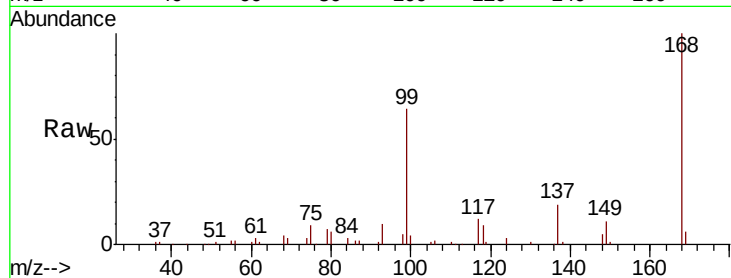
P001-SS015-0612-01

Tgt Ion: 168 Resp: 37916

Ion Ratio Lower Upper

168 100

99 64.2 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

15000

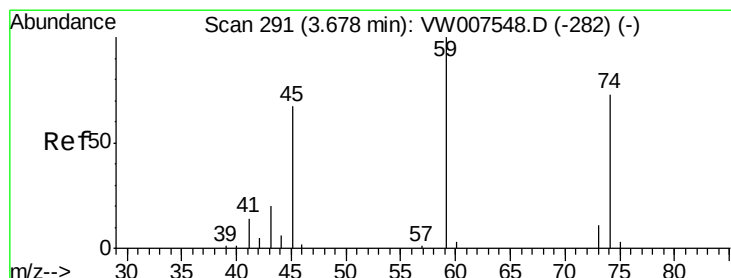
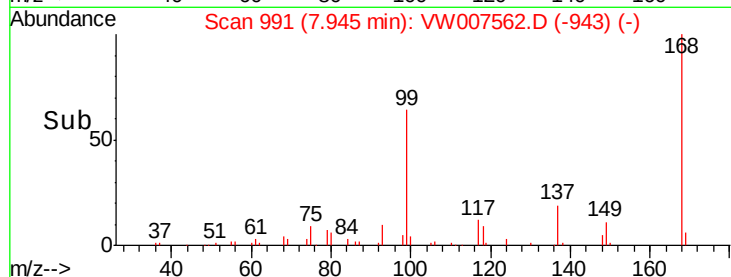
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 5.419 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW007562.D

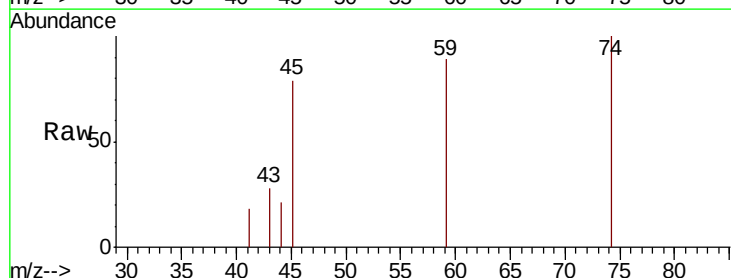
Acq: 15 Dec 2018 04:57

Tgt Ion: 74 Resp: 993

Ion Ratio Lower Upper

74 100

45 92.5 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

500

400

300

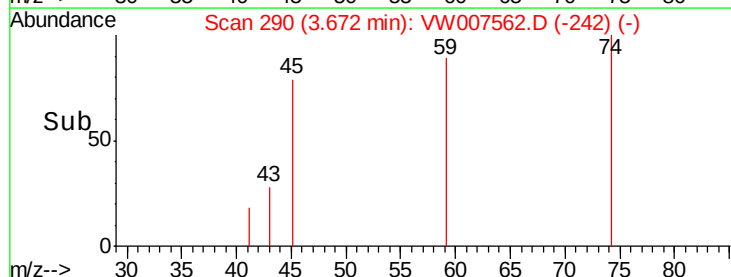
200

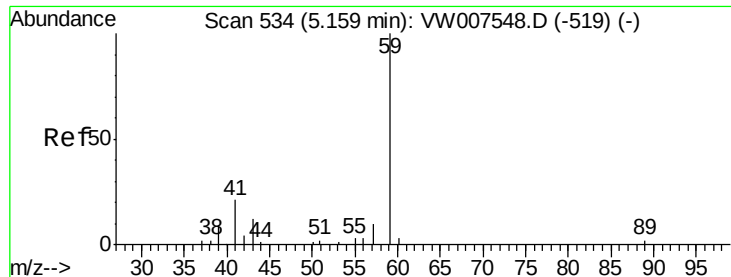
100

0

3.65 3.70

Time-->

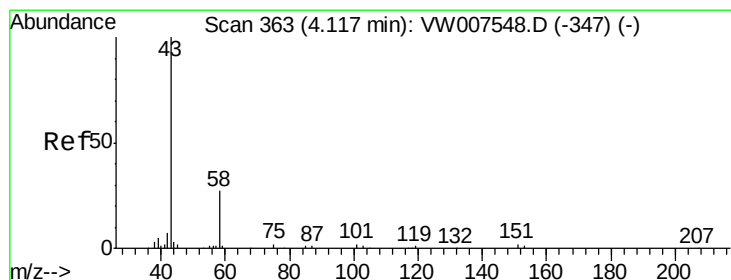
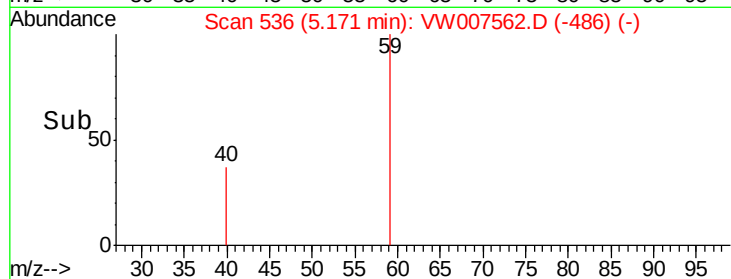
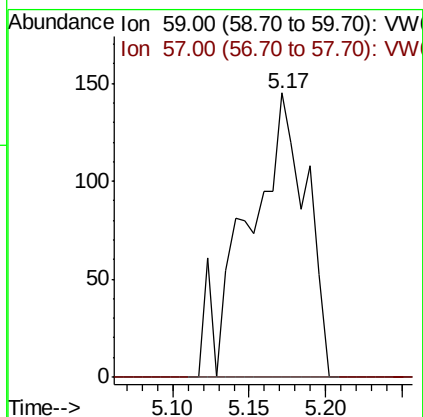
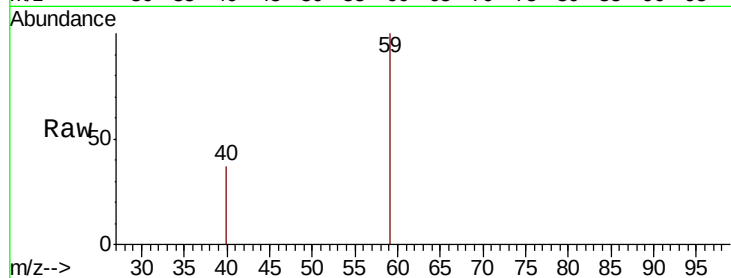




#11
Tert butyl alcohol
Concen: 13.292 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

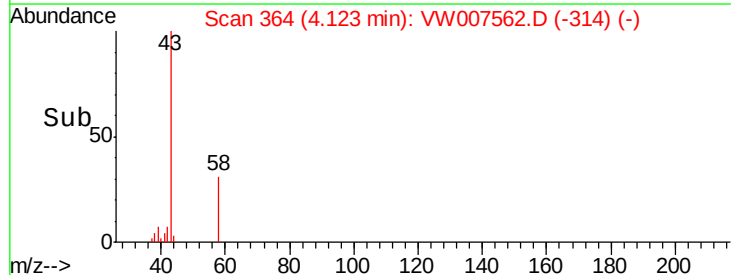
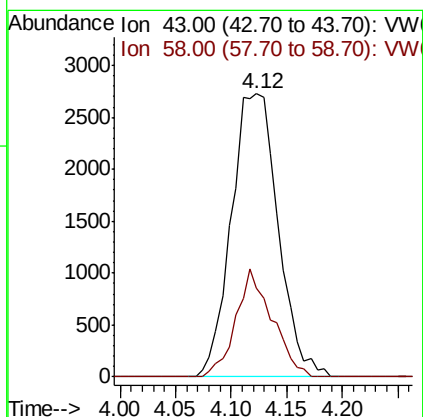
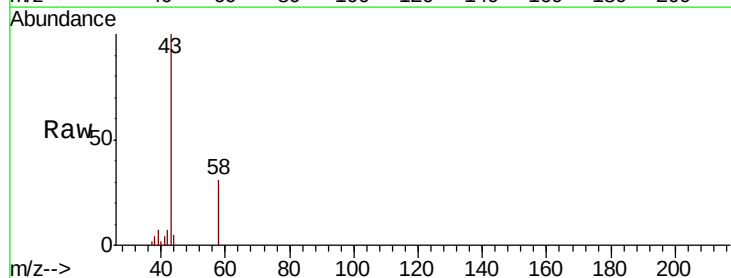
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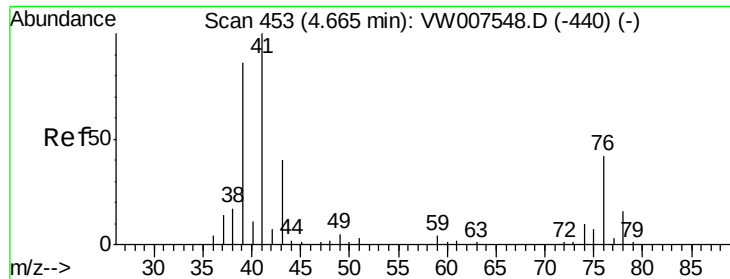
Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



#16
Acetone
Concen: 108.486 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

Tgt Ion: 43 Resp: 7971
Ion Ratio Lower Upper
43 100
58 31.2 24.9 37.3

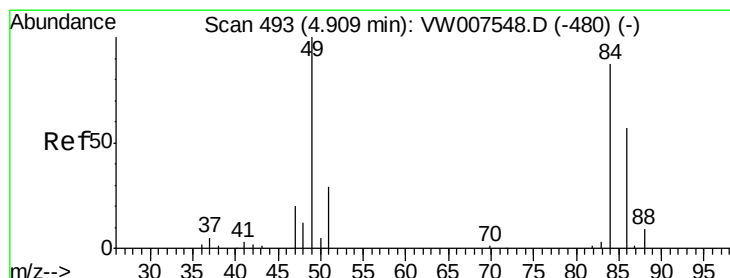
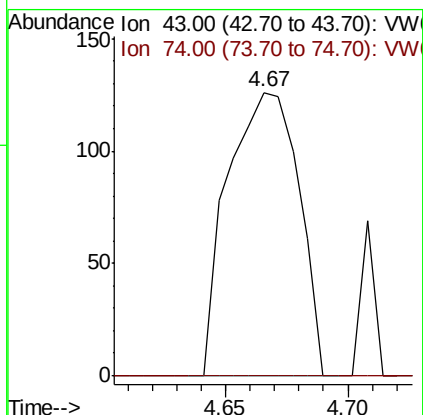
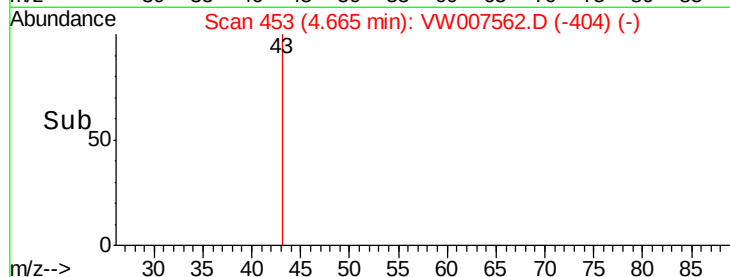
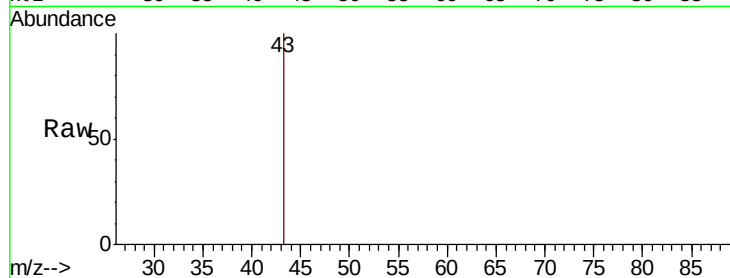




#18
Methyl Acetate
Concen: 1.279 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

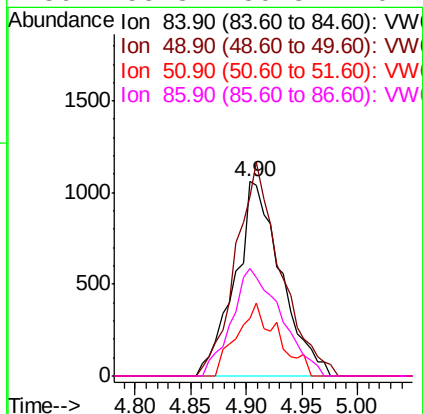
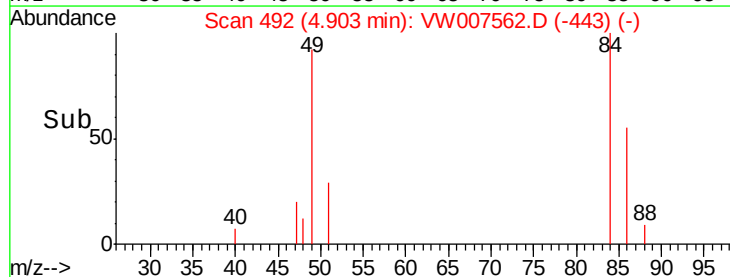
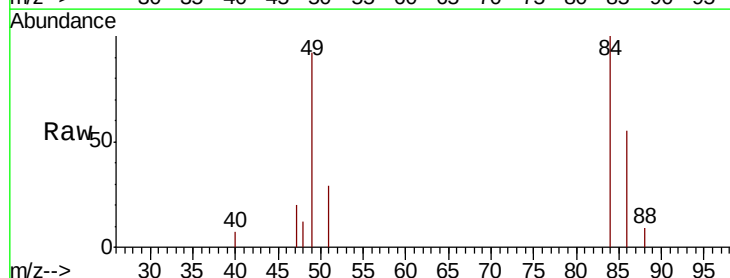
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01

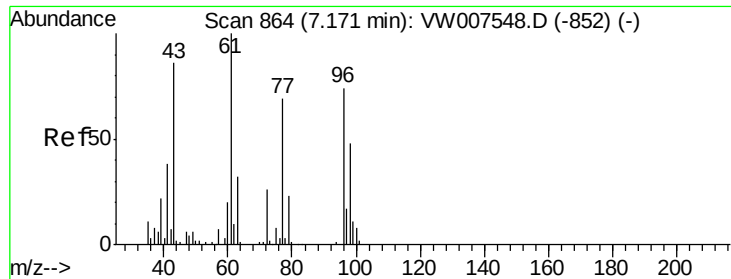
Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#



#20
Methylene Chloride
Concen: 3.988 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

Tgt Ion: 84 Resp: 3051
Ion Ratio Lower Upper
84 100
49 92.2 87.1 130.7
51 29.5 28.2 42.2
86 55.3 50.8 76.2





#25

2-Butanone

Concen: 8.611 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

Instrument :

MSVOA_W

ClientSampleId :

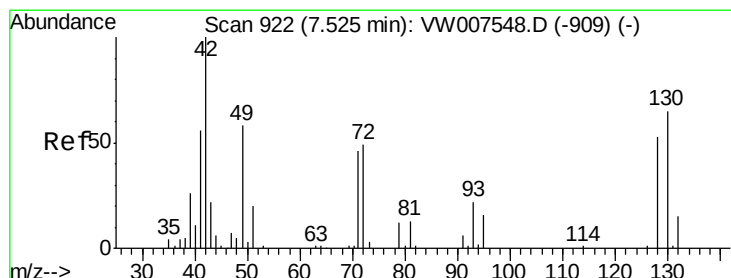
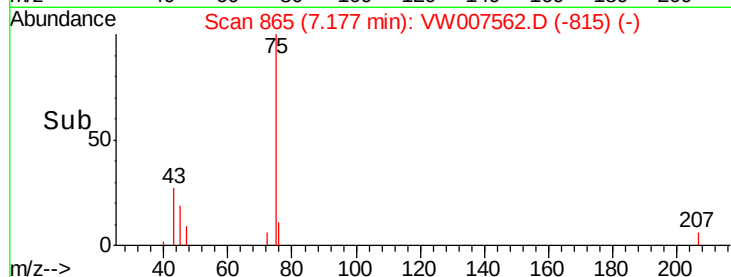
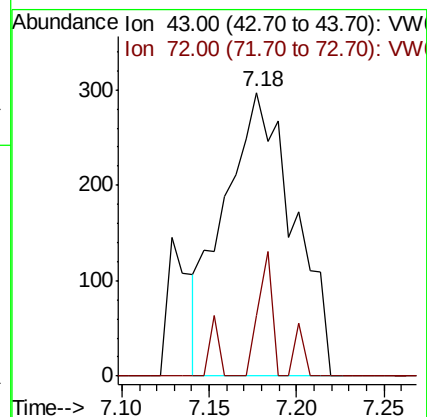
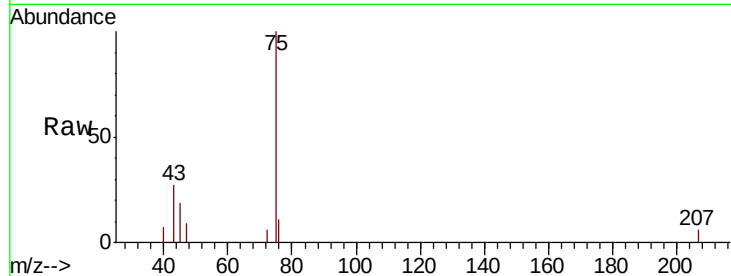
P001-SS015-0612-01

Tgt Ion: 43 Resp: 826

Ion Ratio Lower Upper

43 100

72 21.2 23.4 35.2#



#29

Tetrahydrofuran

Concen: 2.174 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

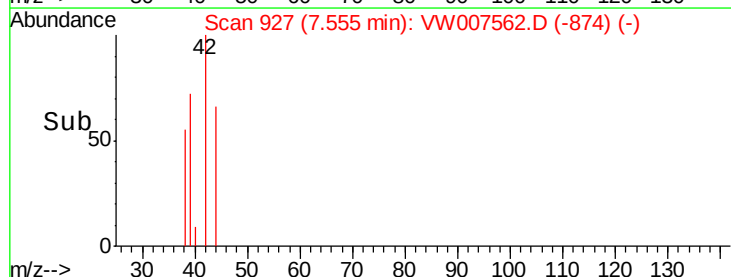
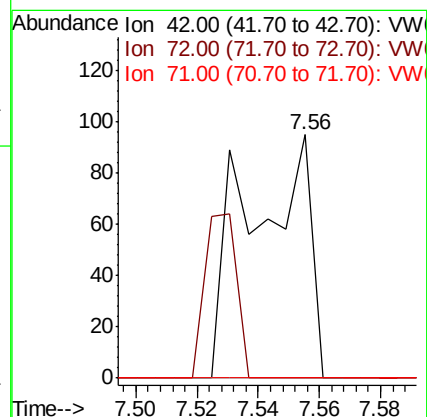
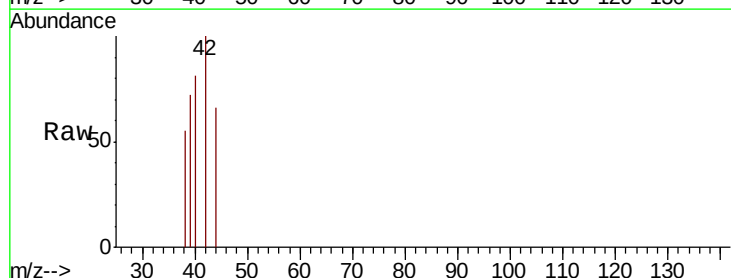
Tgt Ion: 42 Resp: 132

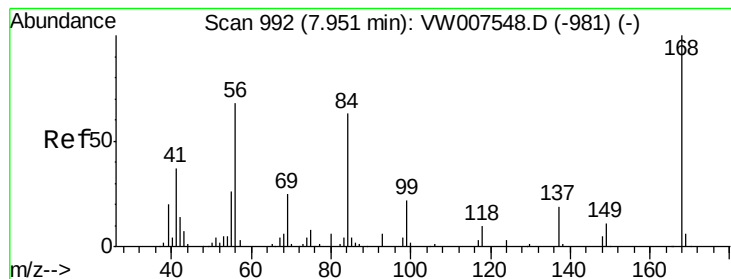
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

71 0.0 35.5 53.3#





#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01

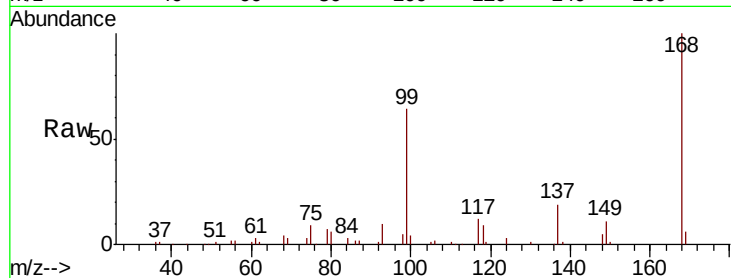
Tgt Ion: 56 Resp: 854

Ion Ratio Lower Upper

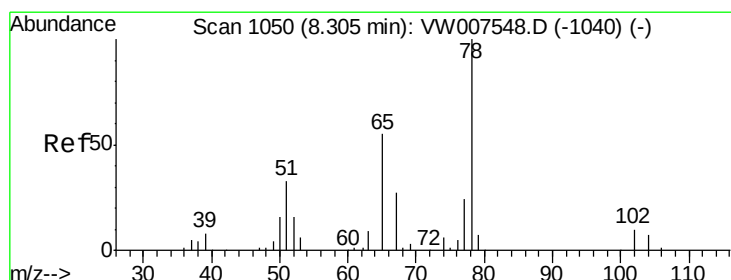
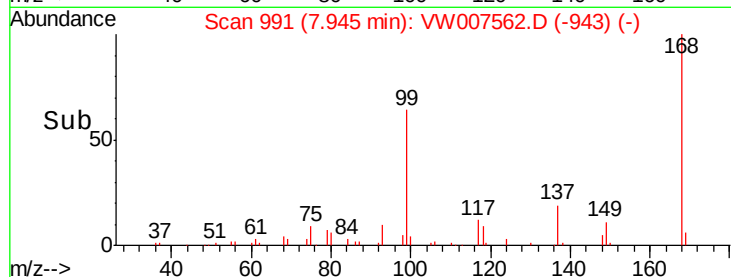
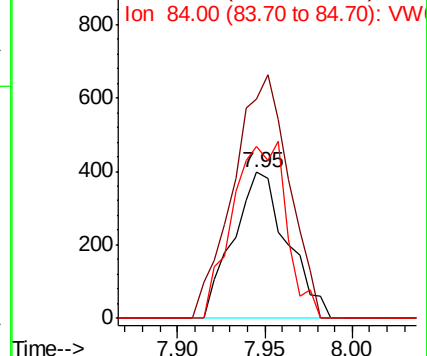
56 100

69 150.4 28.9 43.3#

84 117.6 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: 74.556 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007562.D

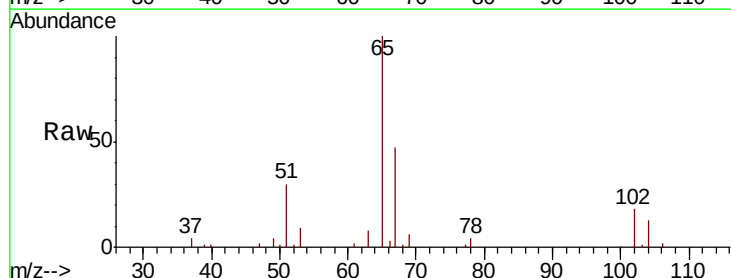
Acq: 15 Dec 2018 04:57

Tgt Ion: 65 Resp: 31362

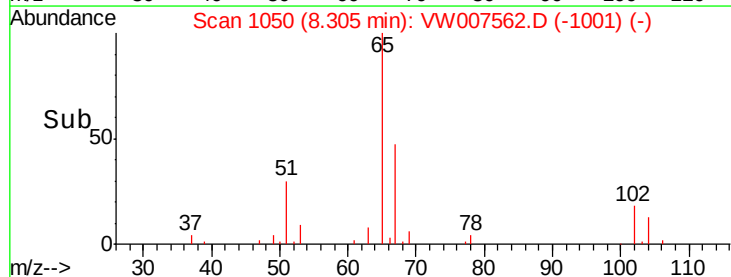
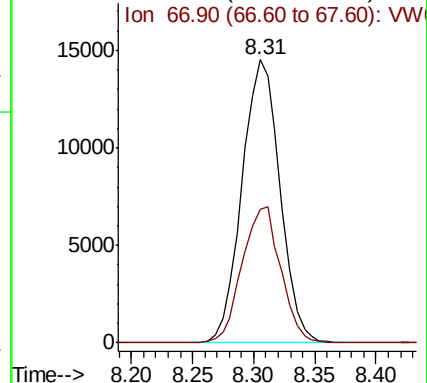
Ion Ratio Lower Upper

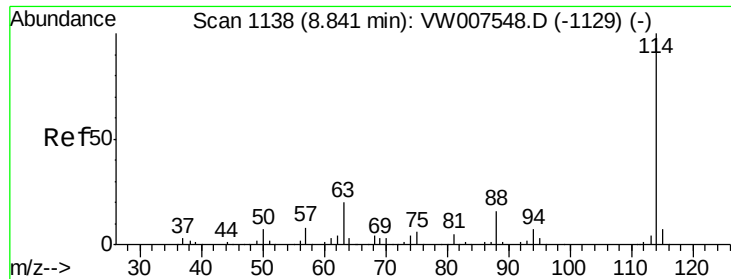
65 100

67 48.8 0.0 101.6



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

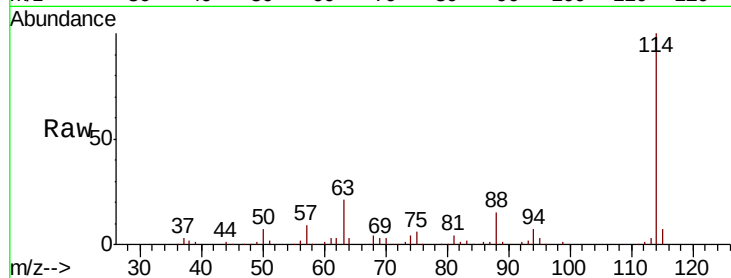




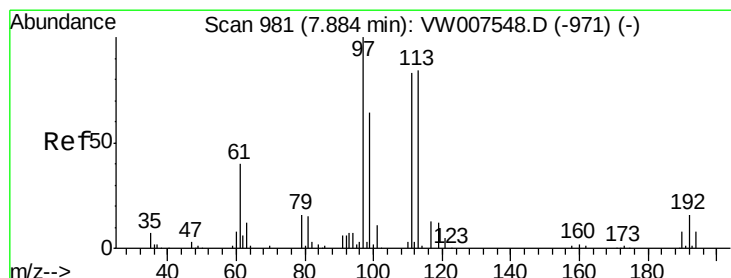
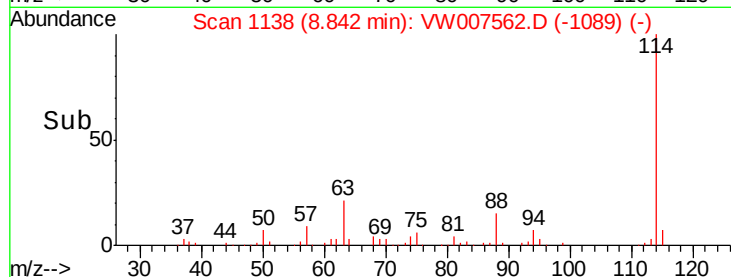
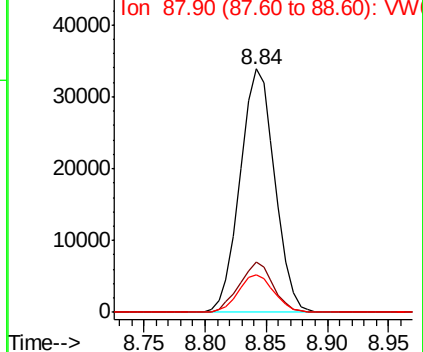
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

Instrument :
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Tgt Ion:114 Resp: 66676
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.6
88 15.3 0.0 31.4

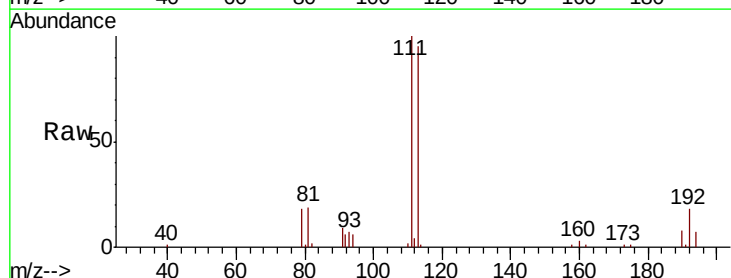


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

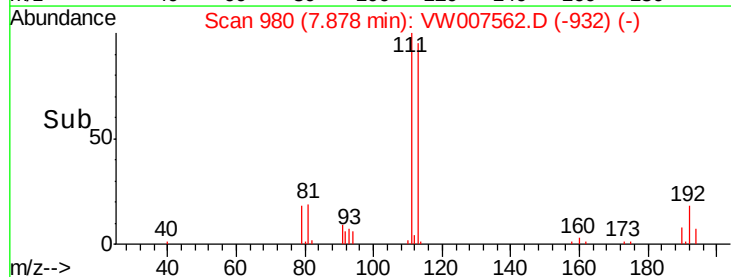
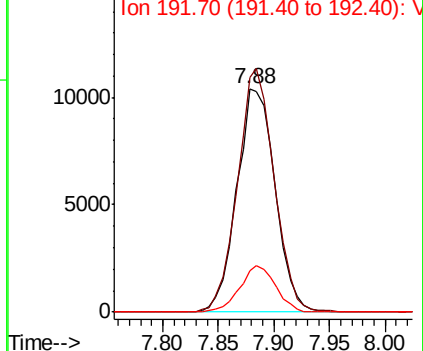


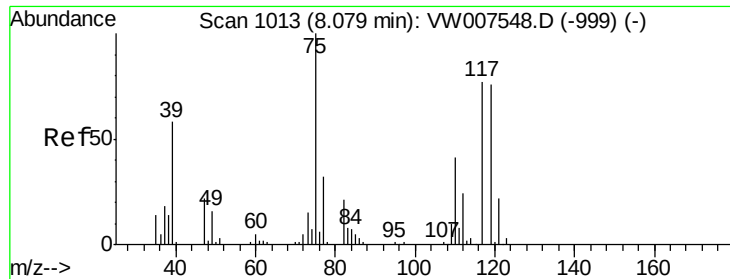
#35
Dibromofluoromethane
Concen: 61.558 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

Tgt Ion:113 Resp: 24846
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 19.5 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

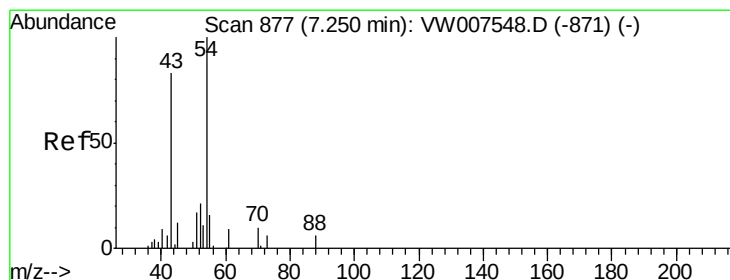
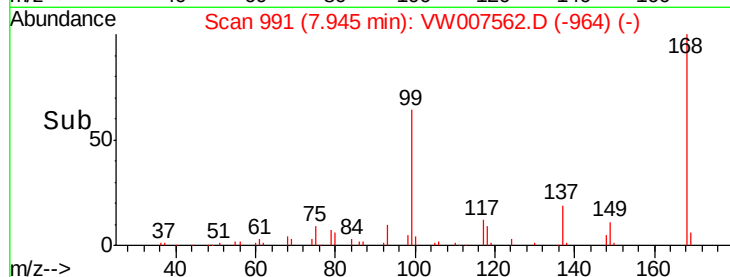
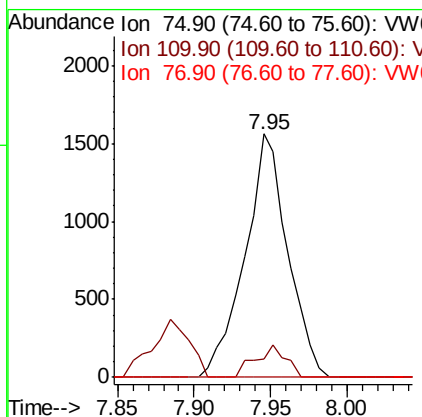
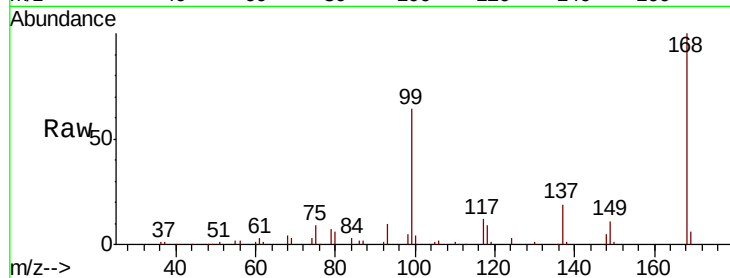




#36
 1,1-Dichloropropene
 Concen: 4.985 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007562.D
 Acq: 15 Dec 2018 04:57

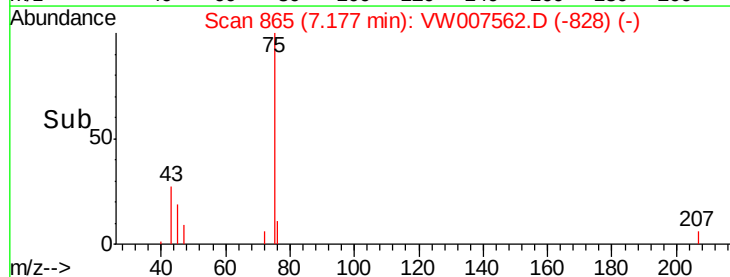
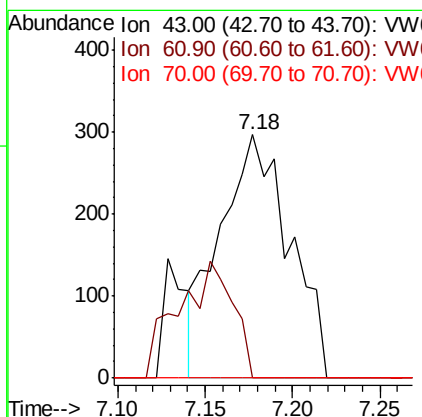
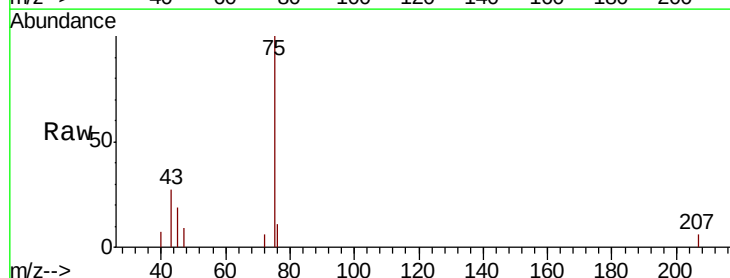
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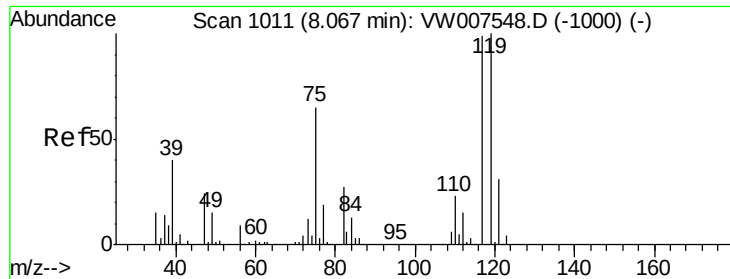
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.5	55.5#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 3.651 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW007562.D
 Acq: 15 Dec 2018 04:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	10.0	15.0#





#38

Carbon Tetrachloride

Concen: 6.253 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-0612-01

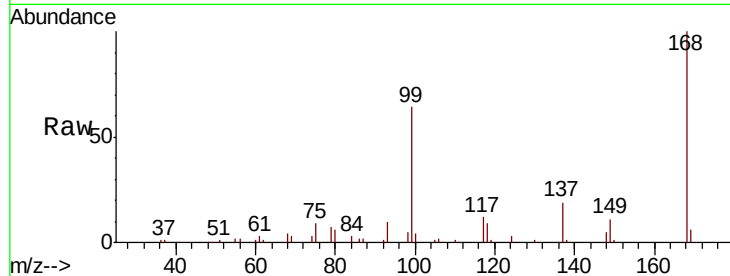
Tgt Ion:117 Resp: 4138

Ion Ratio Lower Upper

117 100

119 6.3 74.3 111.5#

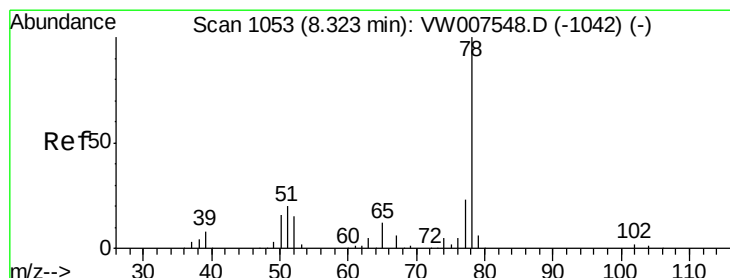
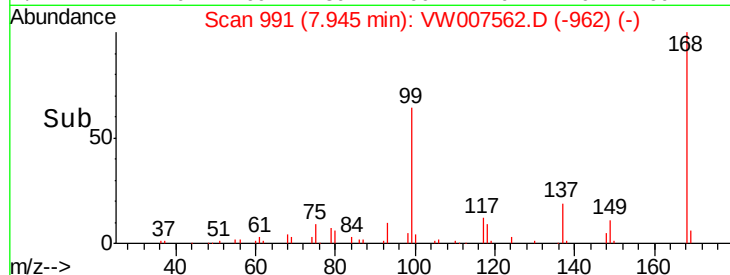
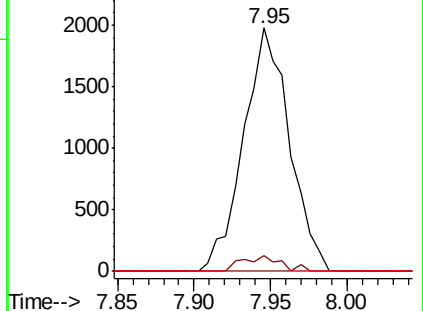
121 0.0 24.3 36.5#



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: 1.919 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007562.D

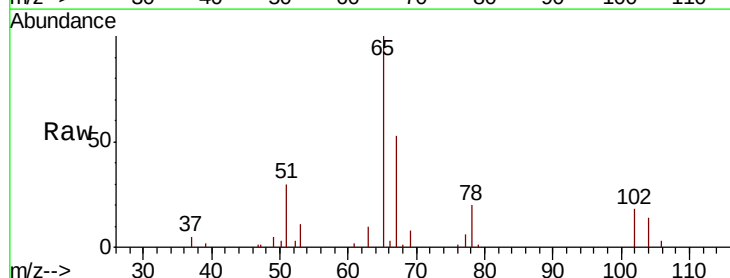
Acq: 15 Dec 2018 04:57

Tgt Ion: 78 Resp: 3239

Ion Ratio Lower Upper

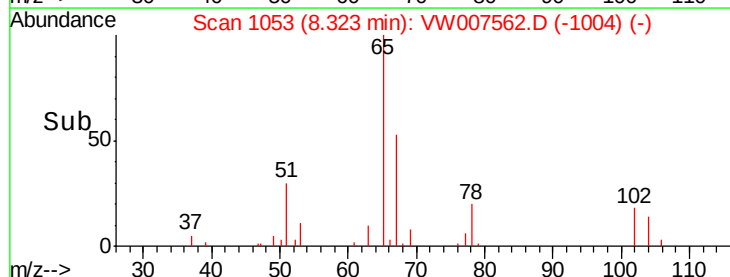
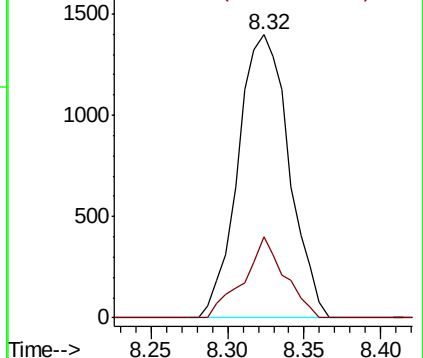
78 100

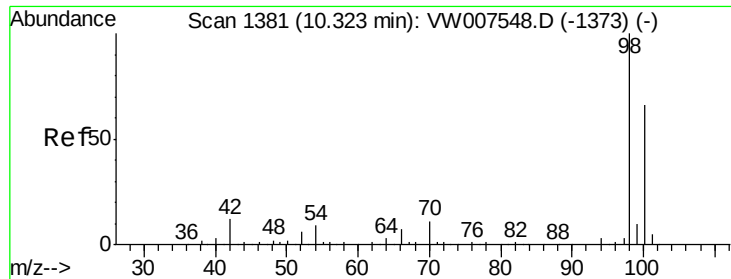
77 28.8 18.8 28.2#



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 41.773 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

Instrument :

MSVOA_W

ClientSampleId :

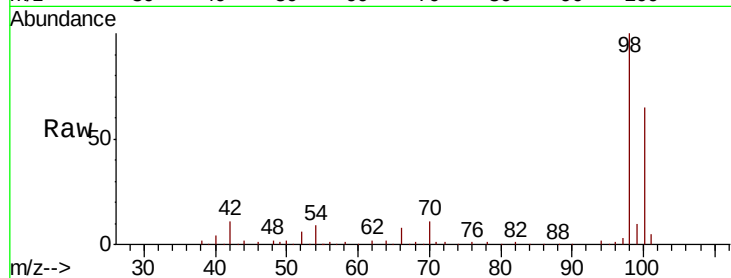
P001-SS015-0612-01

Tgt Ion: 98 Resp: 63217

Ion Ratio Lower Upper

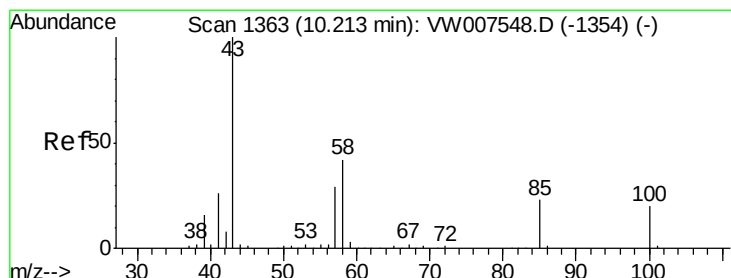
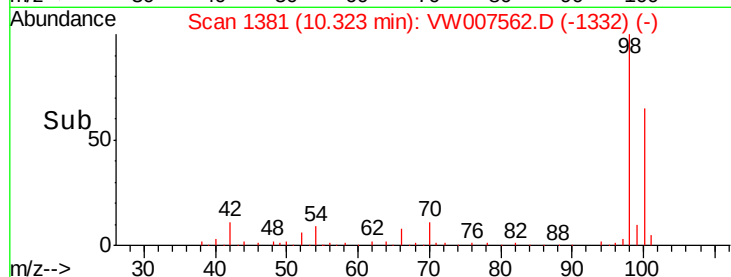
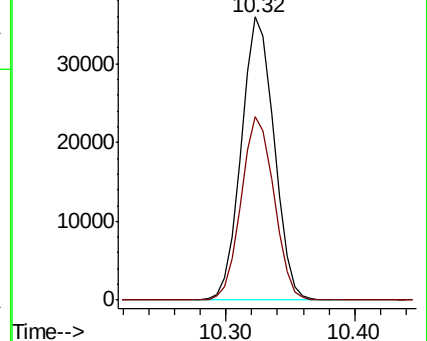
98 100

100 64.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.558 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007562.D

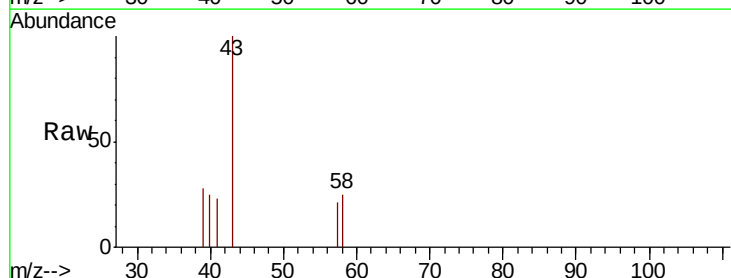
Acq: 15 Dec 2018 04:57

Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

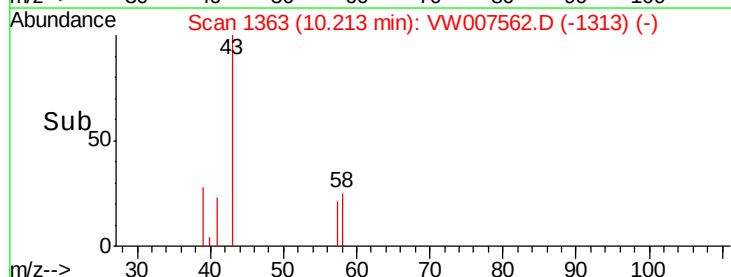
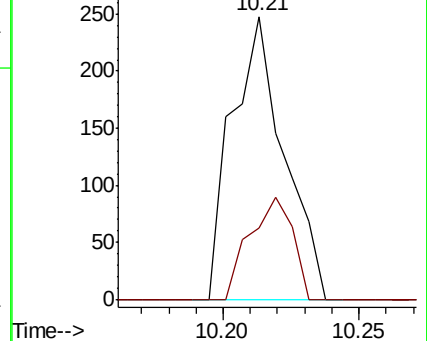
43 100

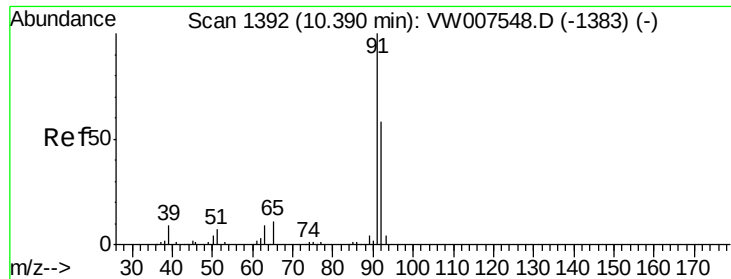
58 30.1 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 2.138 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

Instrument :

MSVOA_W

ClientSampleId :

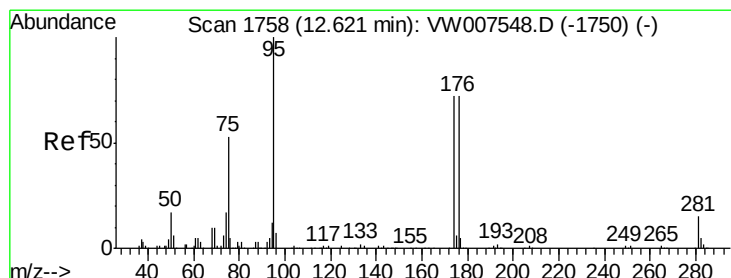
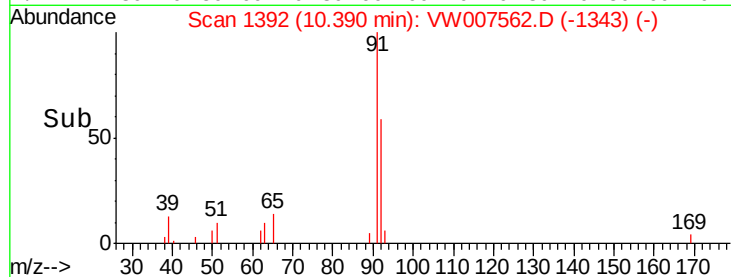
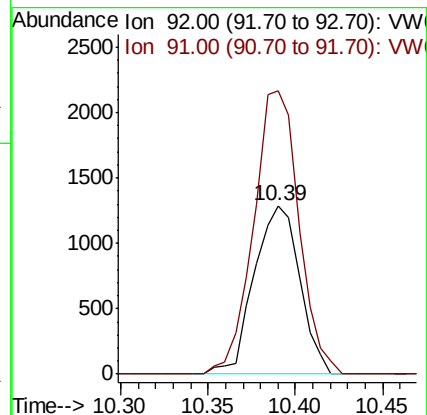
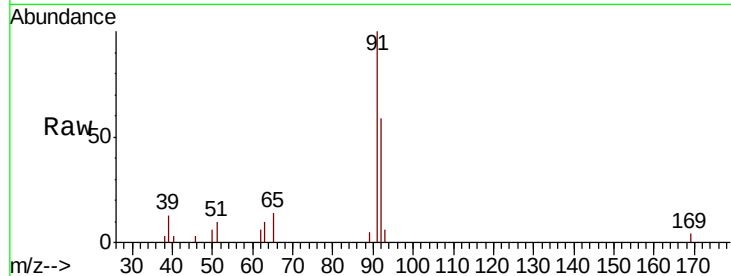
P001-SS015-0612-01

Tgt Ion: 92 Resp: 2335

Ion Ratio Lower Upper

92 100

91 167.1 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 26.567 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007562.D

Acq: 15 Dec 2018 04:57

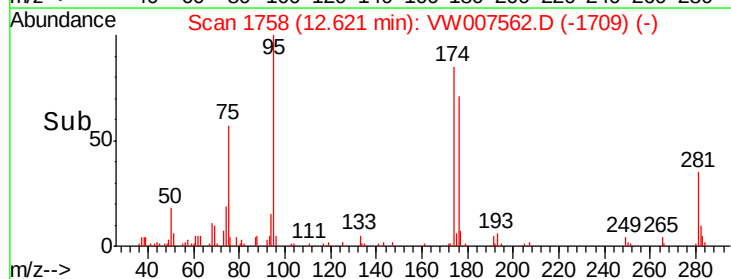
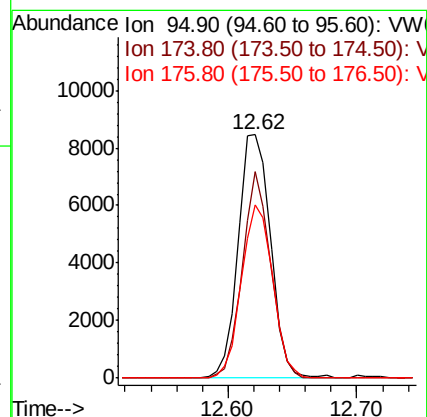
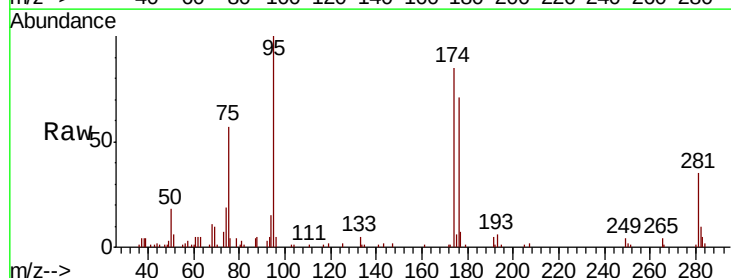
Tgt Ion: 95 Resp: 14782

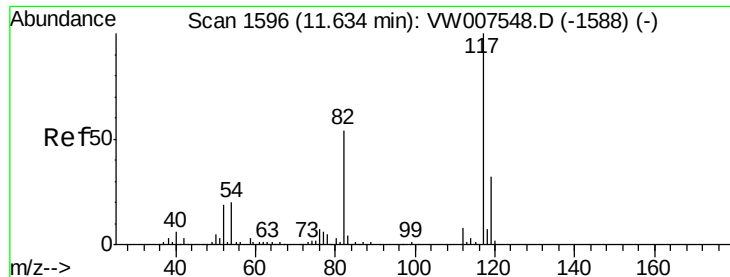
Ion Ratio Lower Upper

95 100

174 73.8 0.0 147.2

176 68.2 0.0 138.8

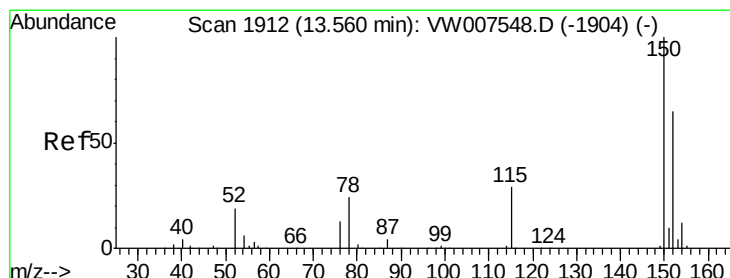
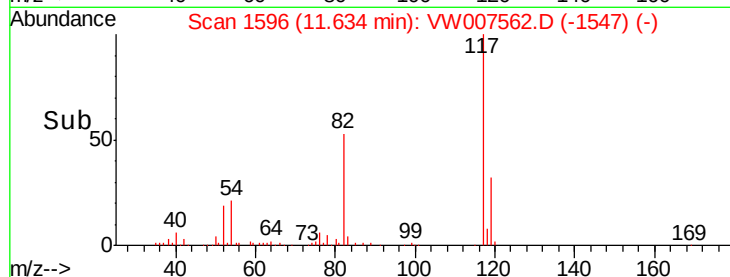
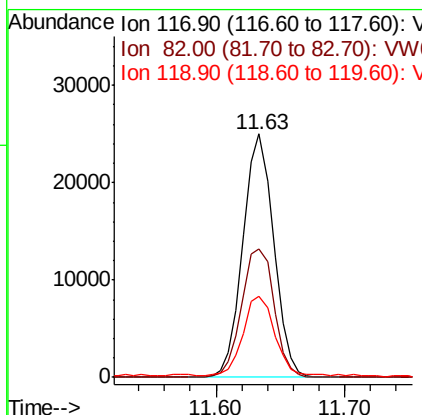
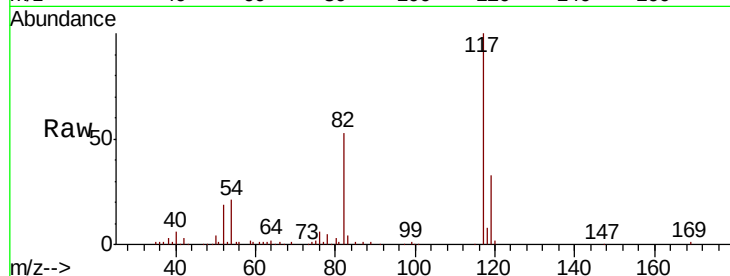




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

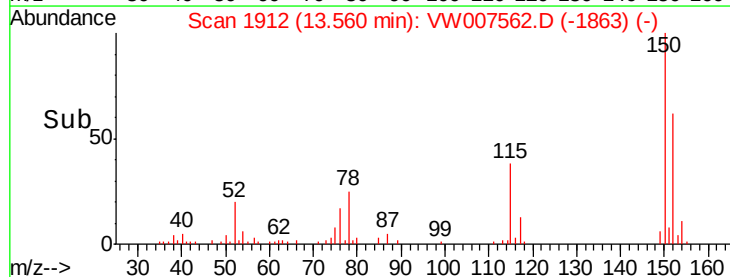
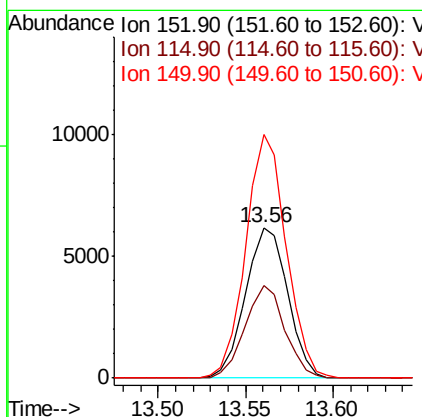
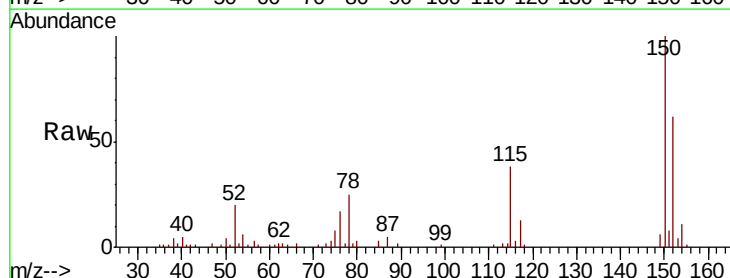
Instrument :
MSVOA_W
ClientSampleId :
P001-SS015-0612-01

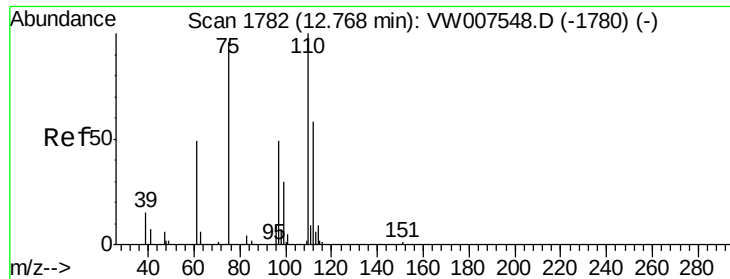
Tgt Ion:117 Resp: 41338
Ion Ratio Lower Upper
117 100
82 52.7 42.3 63.5
119 32.1 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007562.D
Acq: 15 Dec 2018 04:57

Tgt Ion:152 Resp: 10362
Ion Ratio Lower Upper
152 100
115 58.0 31.4 94.2
150 154.9 0.0 358.4

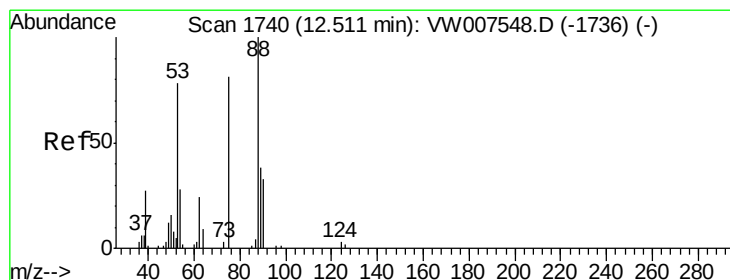
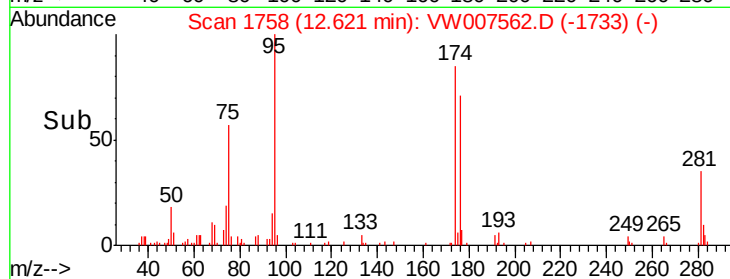
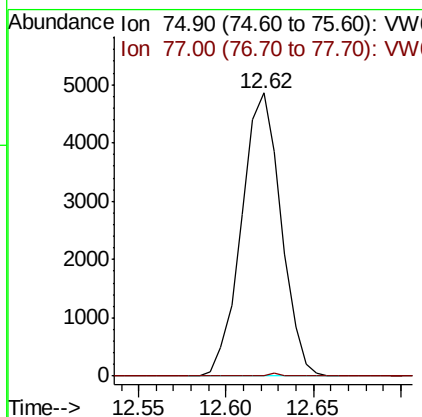
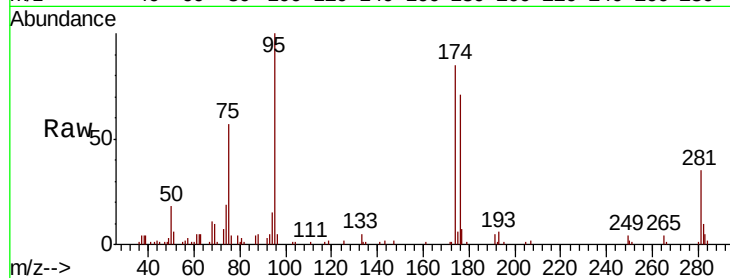




#76
 1,2,3-Trichloropropane
 Concen: 89.317 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007562.D
 Acq: 15 Dec 2018 04:57

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01

Tgt Ion: 75 Resp: 7631
 Ion Ratio Lower Upper
 75 100
 77 0.2 166.9 500.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 197.301 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007562.D
 Acq: 15 Dec 2018 04:57

Tgt Ion: 75 Resp: 7631
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.9 127.3#
 89 0.0 40.3 60.5#

