

Data File : VW012165.D
Acq On : 26 Aug 2019 12:05
Operator : SY/VA
Sample : K4477-02
Misc : 6.80G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-1(3-6)

Quant Time: Aug 27 04:49:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132868	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	143745	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	117321	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.32	98	464835	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.62	95	148755	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

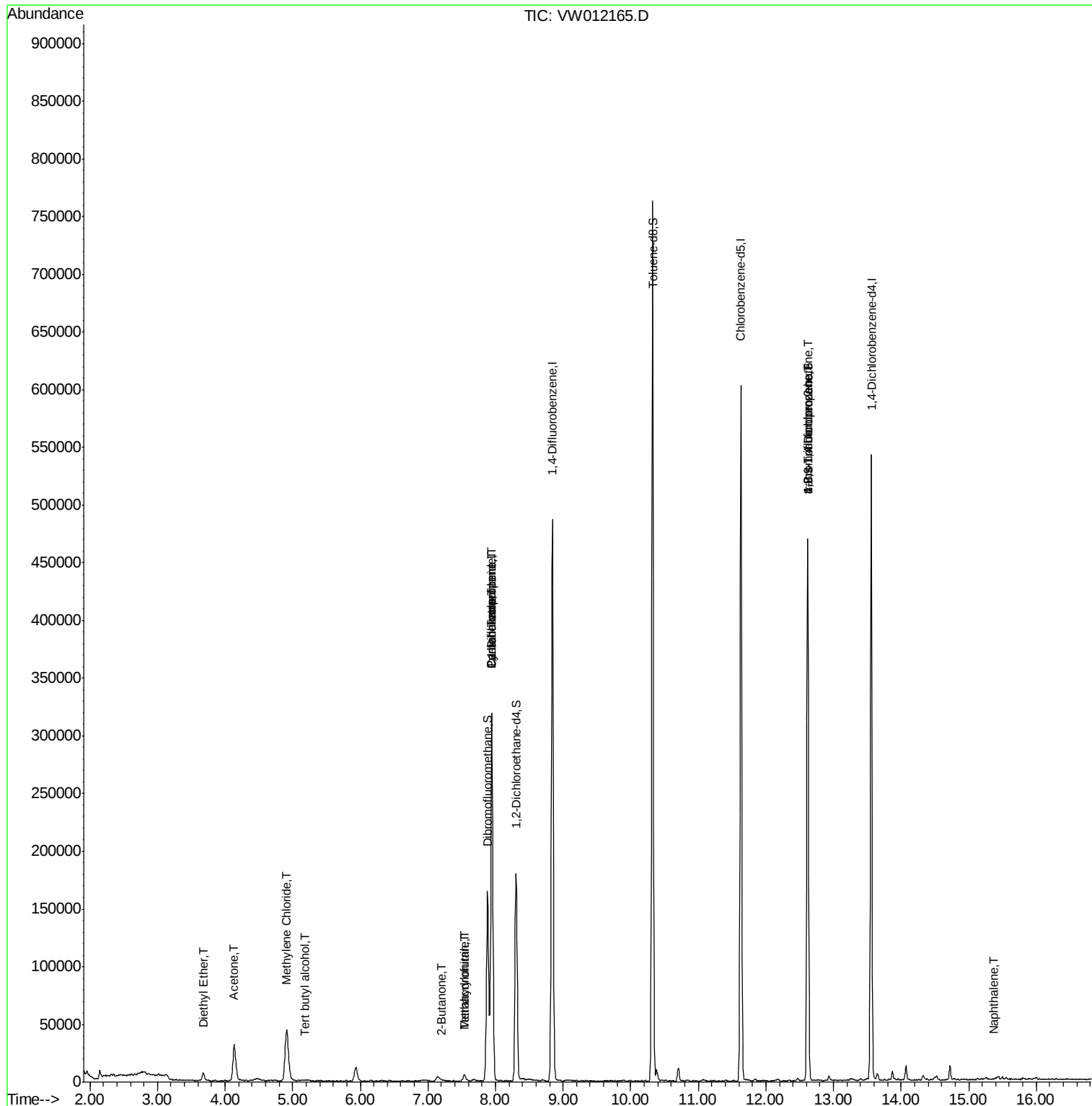
Target Compounds				Qvalue		
8) Diethyl Ether	3.67	74	3363	2.688	ug/l	88
11) Tert butyl alcohol	5.18	59	445	2.767	ug/l #	71
16) Acetone	4.13	43	62796	91.931	ug/l	98
20) Methylene Chloride	4.92	84	34379	13.313	ug/l	94
25) 2-Butanone	7.20	43	1921	2.070	ug/l #	89
29) Tetrahydrofuran	7.54	42	4958	8.903	ug/l	99
31) Cyclohexane	7.95	56	5999	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19611	5.018	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23221	6.865	ug/l #	17
41) Methacrylonitrile	7.53	41	3143	2.497	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	80052	61.862	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80052	135.635	ug/l #	6
95) Naphthalene	15.37	128	715	4.451	ug/l #	82

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

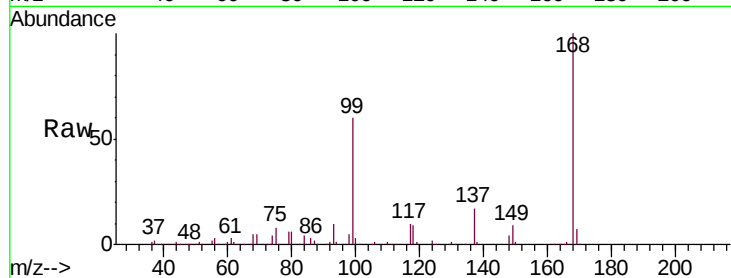
TP-1(3-6)

Tgt Ion:168 Resp: 224793

Ion Ratio Lower Upper

168 100

99 60.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

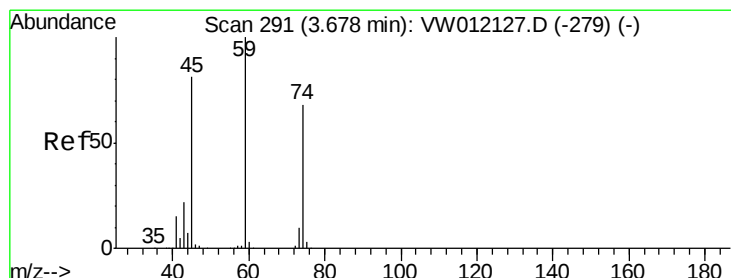
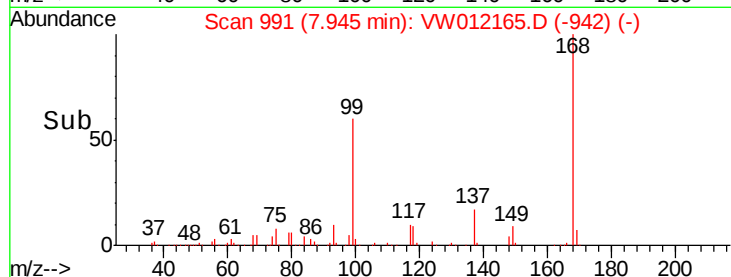
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.688 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012165.D

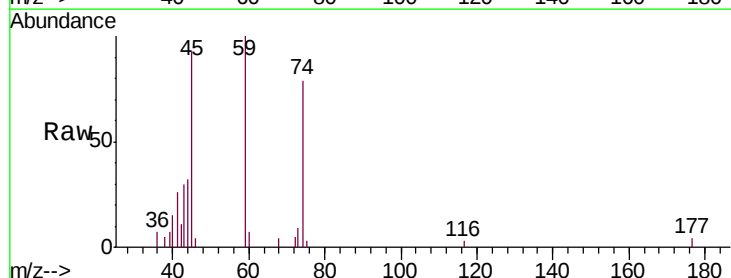
Acq: 26 Aug 2019 12:05

Tgt Ion: 74 Resp: 3363

Ion Ratio Lower Upper

74 100

45 131.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2000

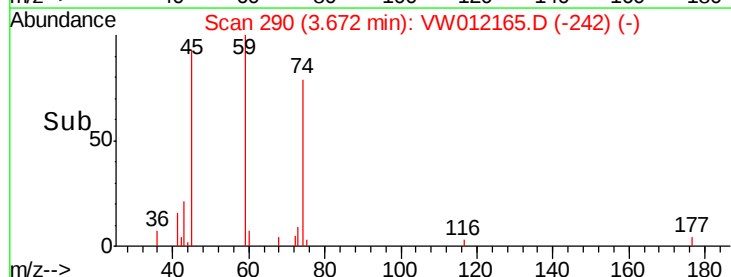
1500

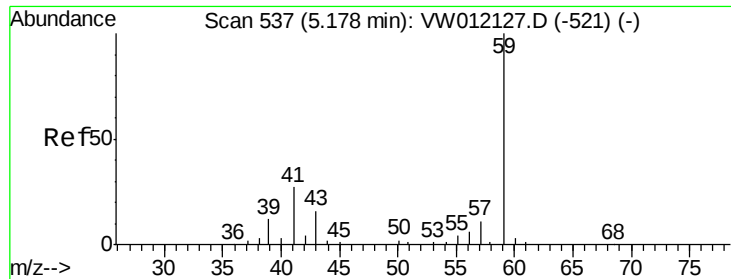
1000

500

0

Time--> 3.60 3.65 3.70 3.75

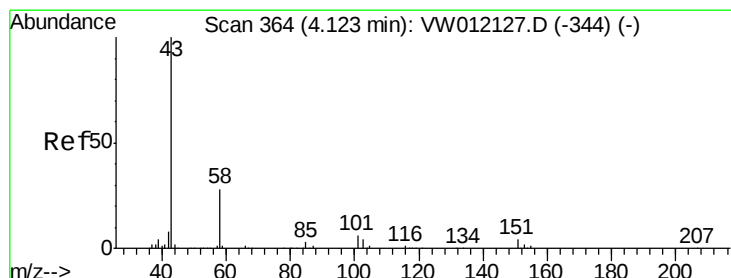
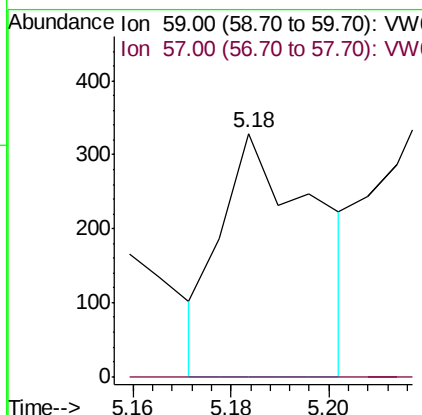
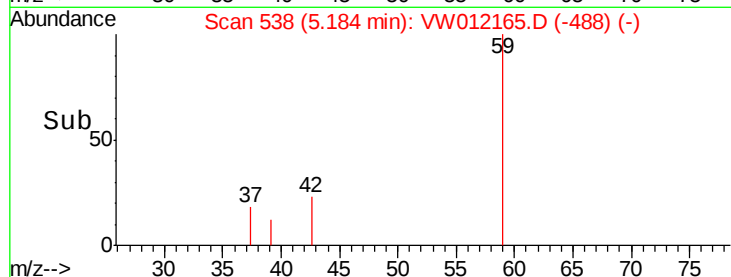
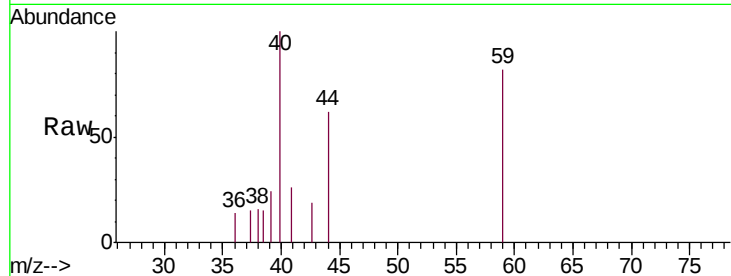




#11
Tert butyl alcohol
Concen: 2.767 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012165.D
Acq: 26 Aug 2019 12:05

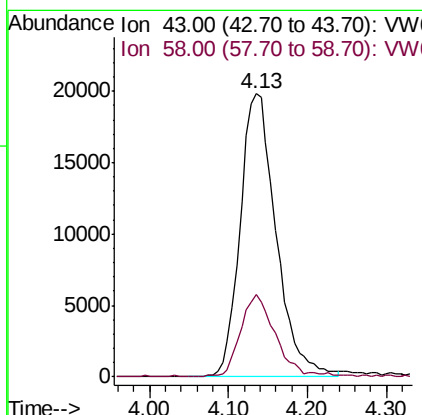
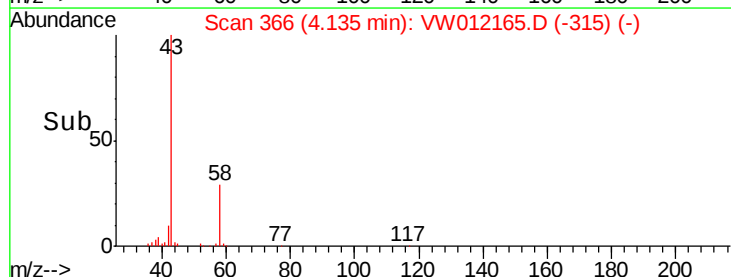
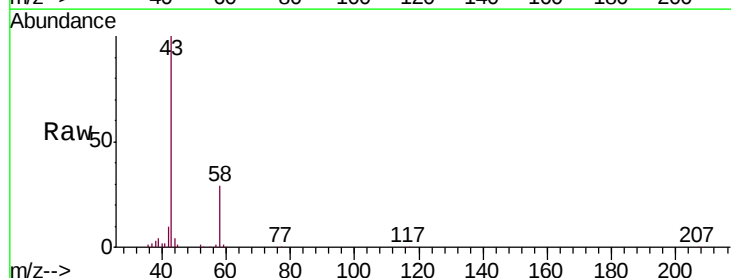
Instrument :
MSVOA_W
ClientSampled :
TP-1(3-6)

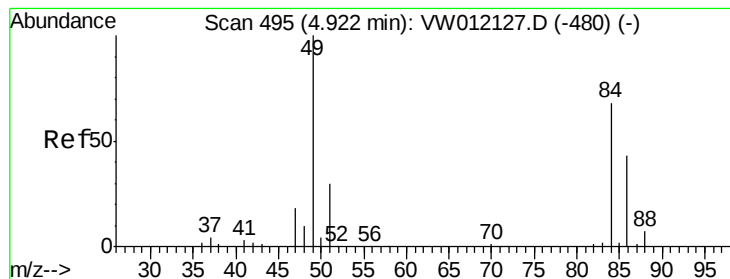
Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 91.931 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012165.D
Acq: 26 Aug 2019 12:05

Tgt Ion: 43 Resp: 62796
Ion Ratio Lower Upper
43 100
58 29.1 22.4 33.6





#20

Methylene Chloride

Concen: 13.313 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

TP-1(3-6)

Tgt Ion: 84 Resp: 34379

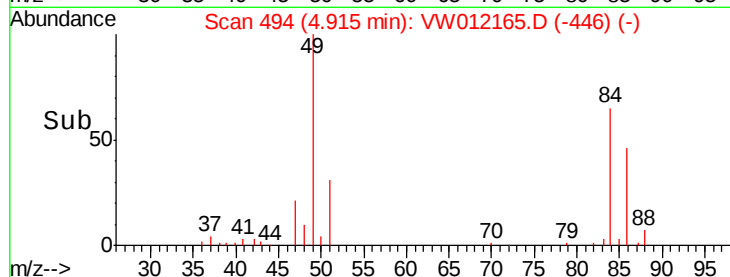
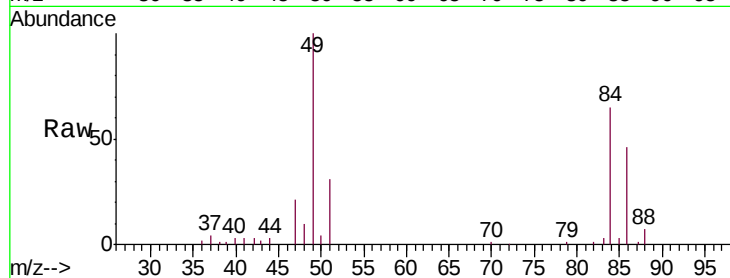
Ion Ratio Lower Upper

84 100

49 154.6 117.8 176.8

51 47.4 35.6 53.4

86 70.7 51.2 76.8

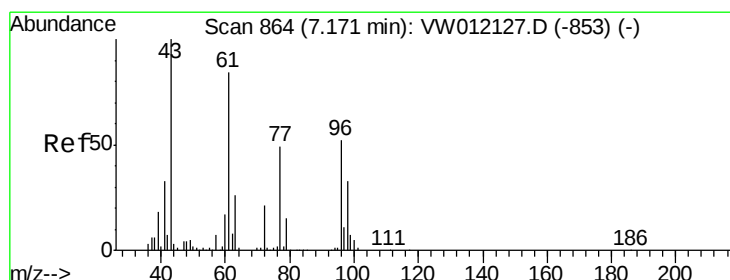
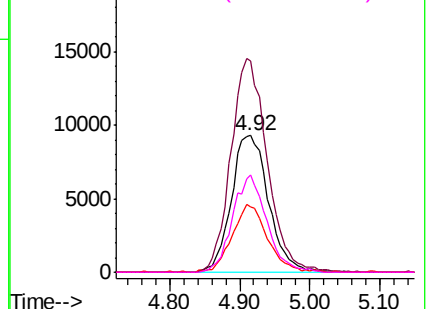


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 2.070 ug/l

RT: 7.20 min Scan# 869

Delta R.T. 0.03 min

Lab File: VW012165.D

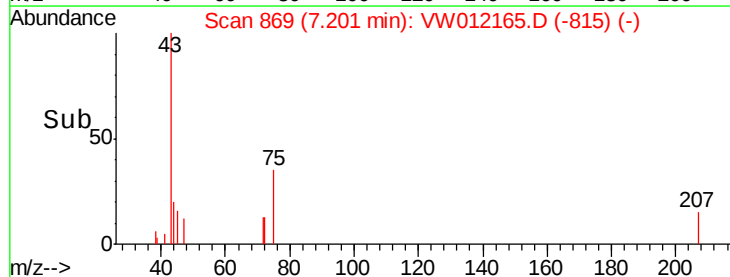
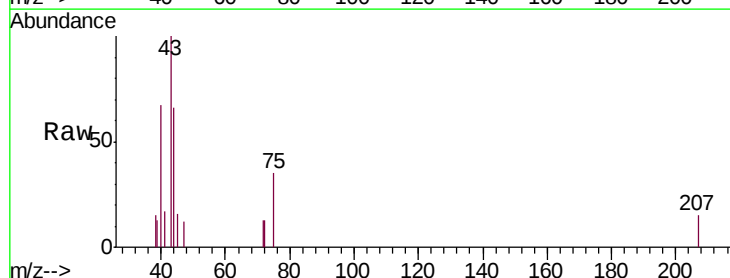
Acq: 26 Aug 2019 12:05

Tgt Ion: 43 Resp: 1921

Ion Ratio Lower Upper

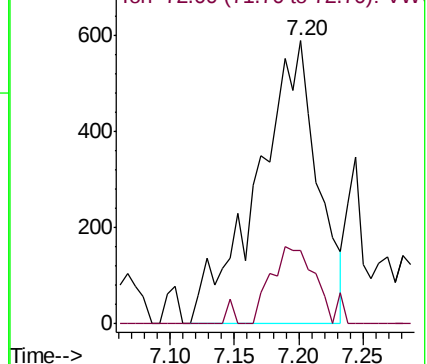
43 100

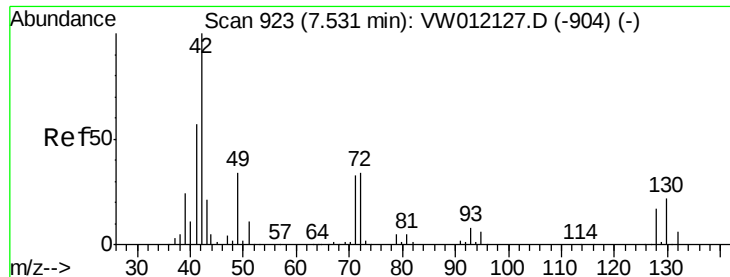
72 26.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 8.903 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

TP-1(3-6)

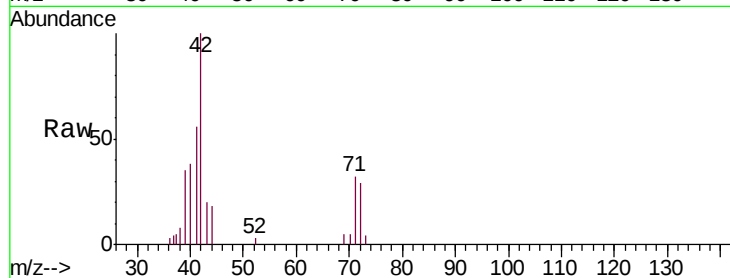
Tgt Ion: 42 Resp: 4958

Ion Ratio Lower Upper

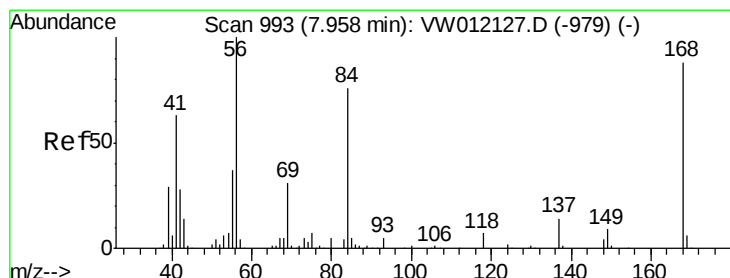
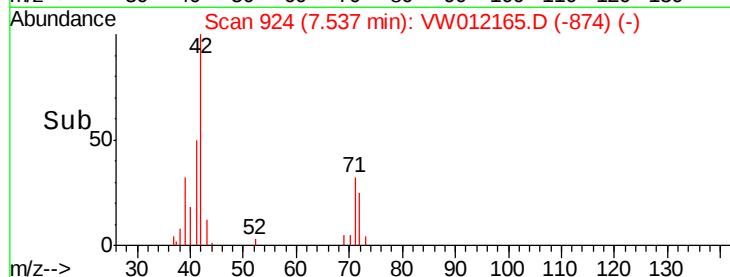
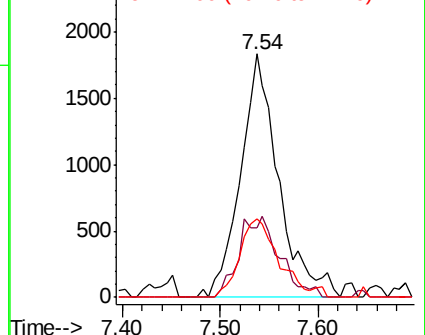
42 100

72 35.2 27.3 40.9

71 32.5 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

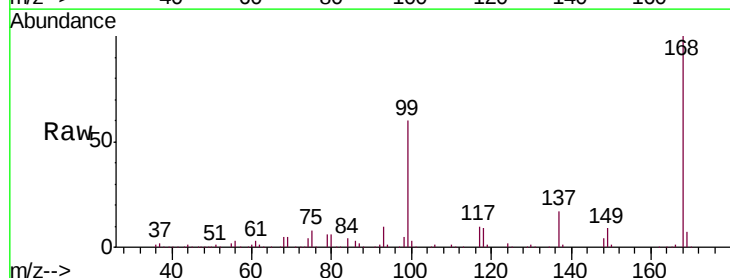
Tgt Ion: 56 Resp: 5999

Ion Ratio Lower Upper

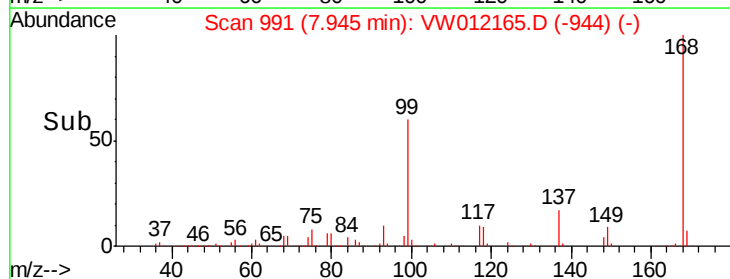
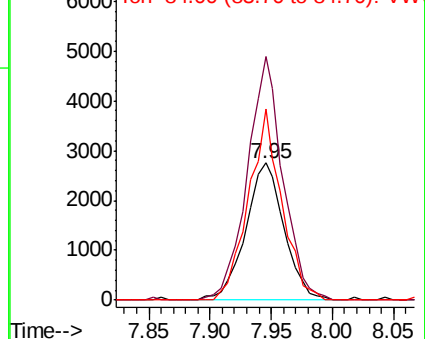
56 100

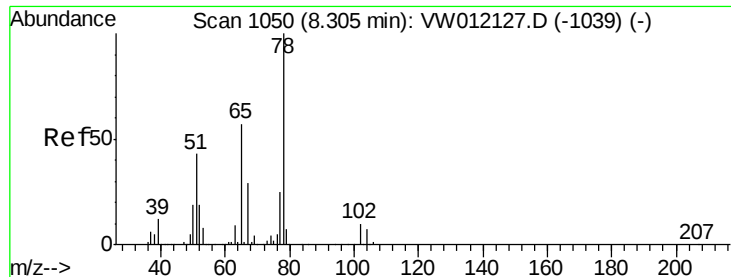
69 177.8 24.9 37.3#

84 140.0 60.6 90.8#



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: 53.792 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

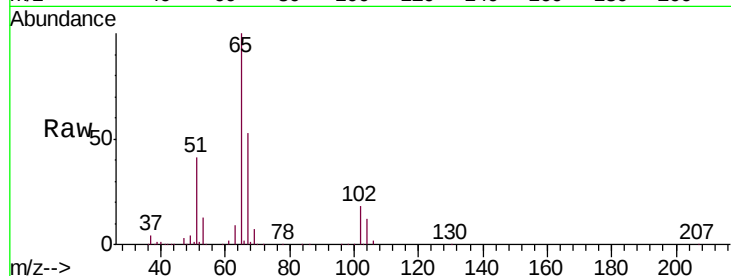
TP-1(3-6)

Tgt Ion: 65 Resp: 143745

Ion Ratio Lower Upper

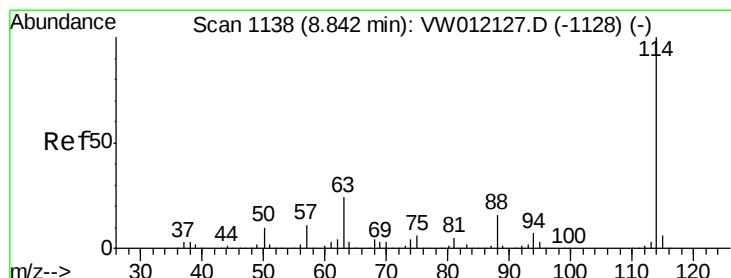
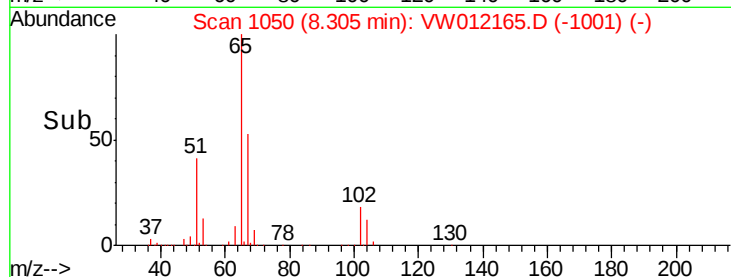
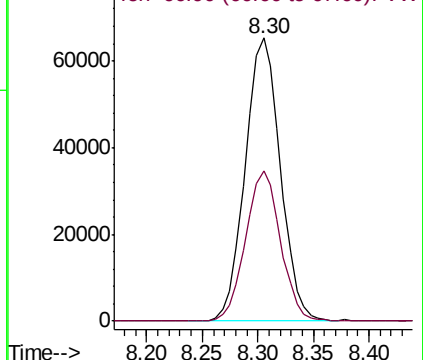
65 100

67 52.8 0.0 102.6



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: VW012165.D

Acq: 26 Aug 2019 12:05

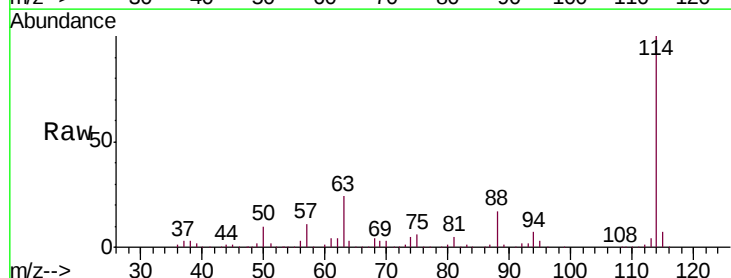
Tgt Ion: 114 Resp: 378182

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.6

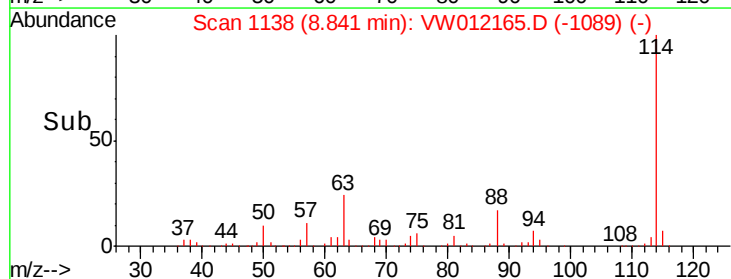
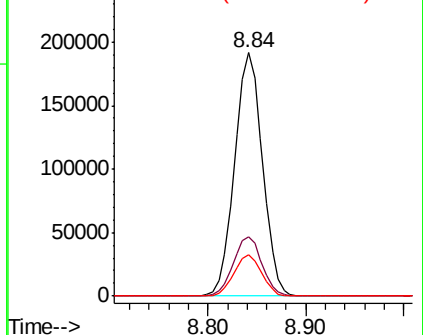
88 16.9 0.0 32.2

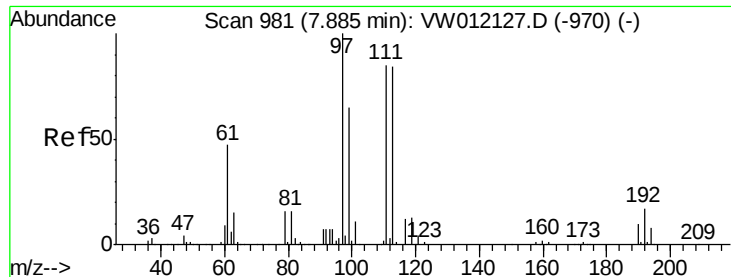


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

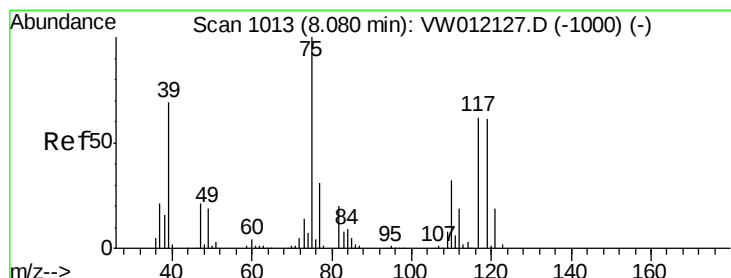
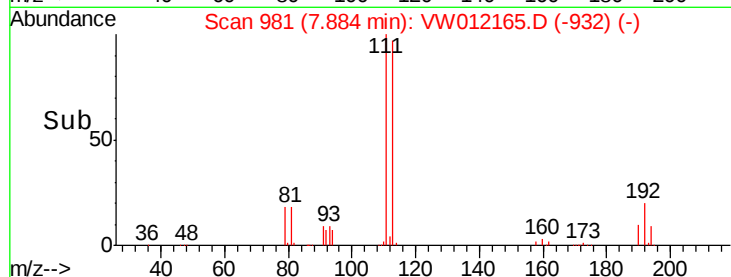
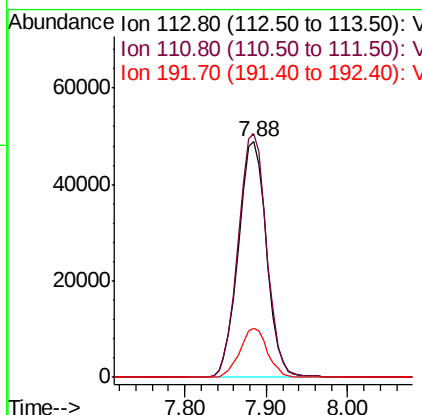
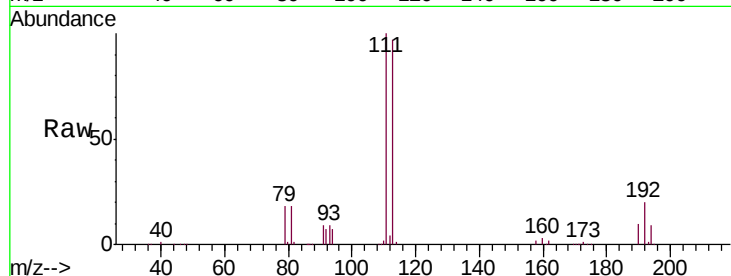




#35
 Dibromofluoromethane
 Concen: 51.972 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012165.D
 Acq: 26 Aug 2019 12:05

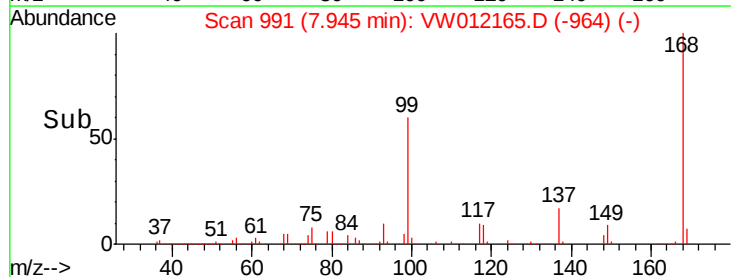
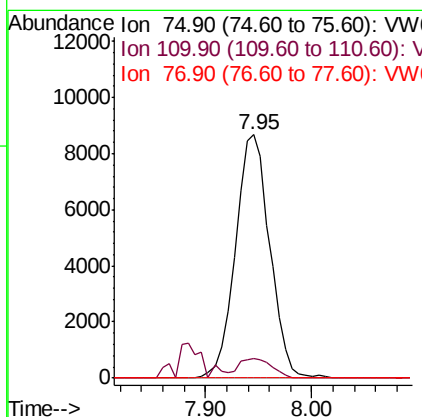
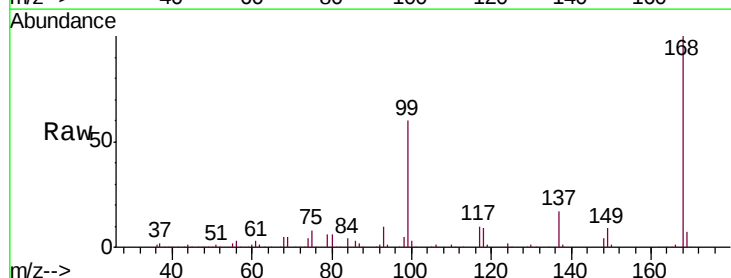
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 TP-1(3-6)

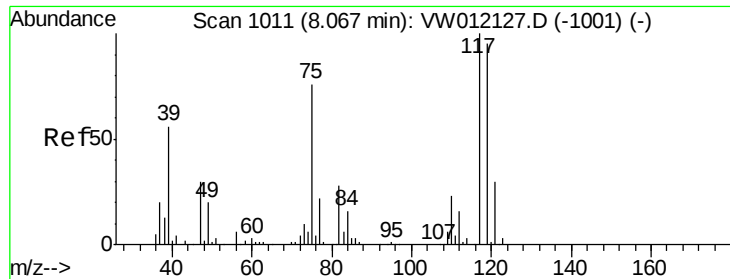
Tgt Ion:113 Resp: 117321
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.018 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012165.D
 Acq: 26 Aug 2019 12:05

Tgt Ion: 75 Resp: 19611
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.6 46.8#
 77 0.0 24.6 36.8#

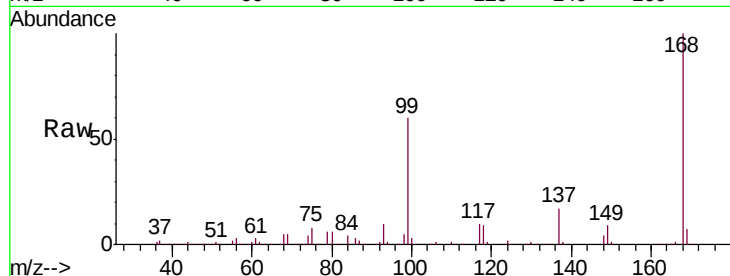




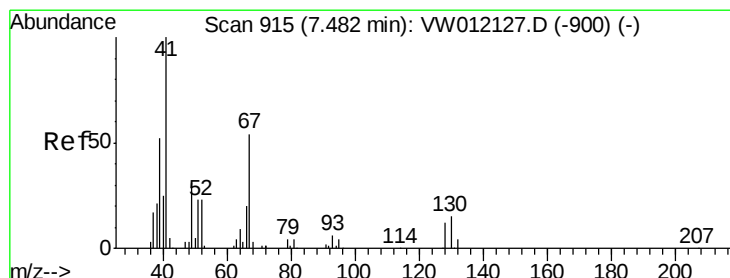
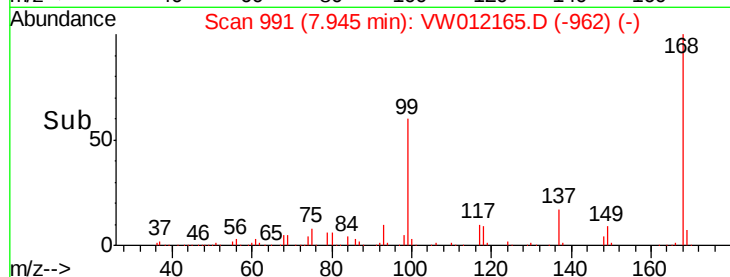
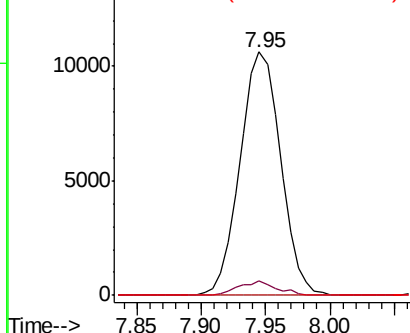
#38
Carbon Tetrachloride
Concen: 6.865 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012165.D
Acq: 26 Aug 2019 12:05

Instrument :
MSVOA_W
ClientSampleId :
TP-1(3-6)

Tgt Ion: 117 Resp: 23221
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 23.8 35.8#

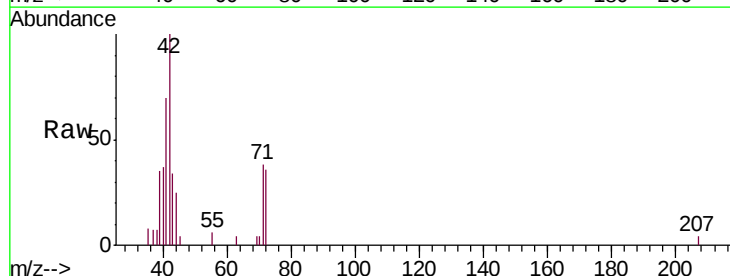


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

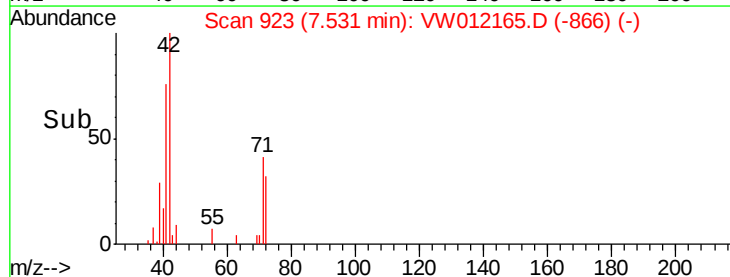
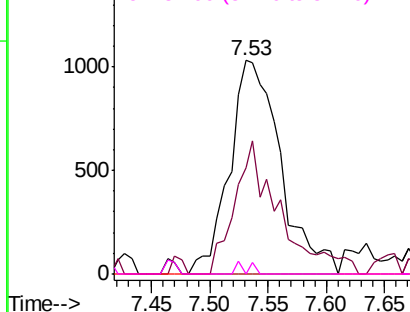


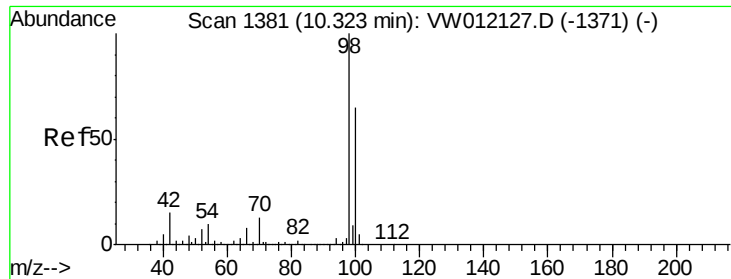
#41
Methacrylonitrile
Concen: 2.497 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012165.D
Acq: 26 Aug 2019 12:05

Tgt Ion: 41 Resp: 3143
Ion Ratio Lower Upper
41 100
39 54.6 45.8 68.8
67 0.0 46.2 69.4#
52 1.4 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 50.785 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

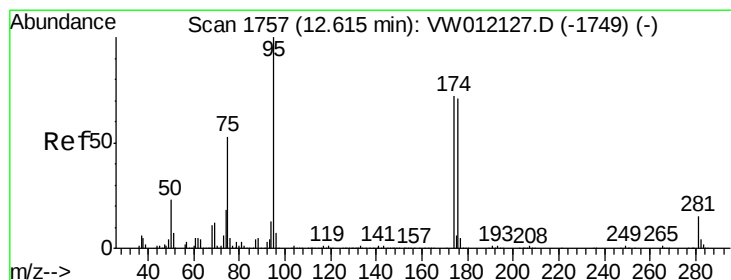
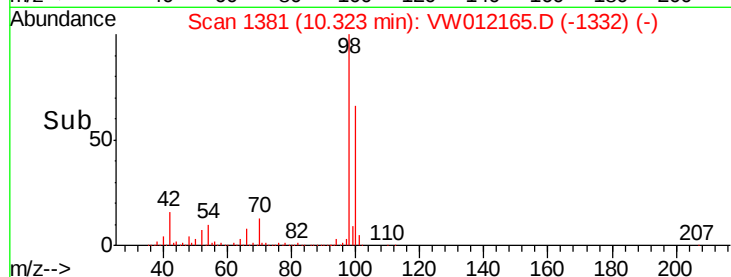
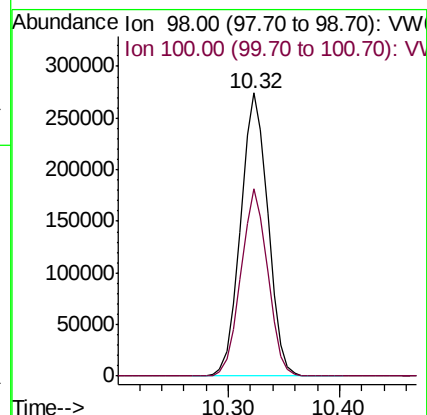
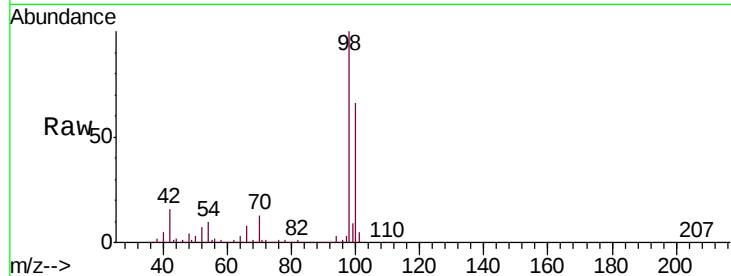
TP-1(3-6)

Tgt Ion: 98 Resp: 464835

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.105 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

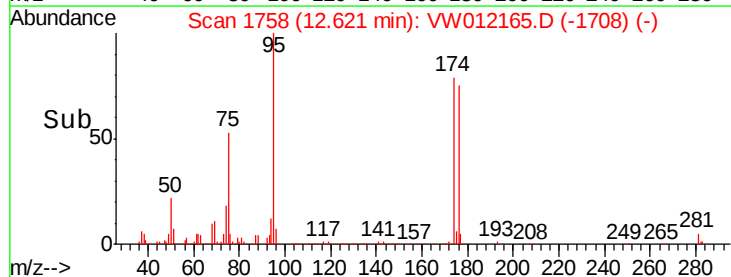
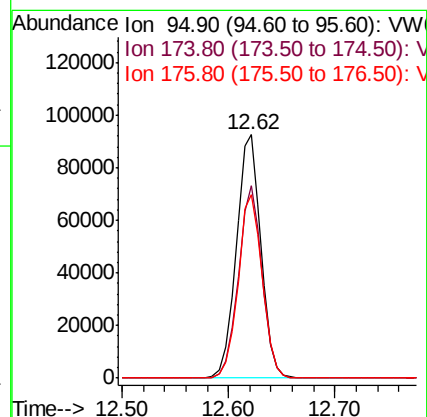
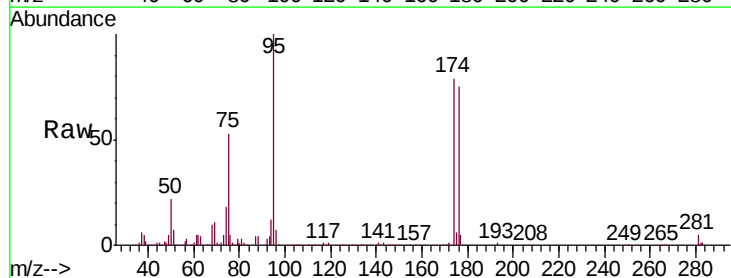
Tgt Ion: 95 Resp: 148755

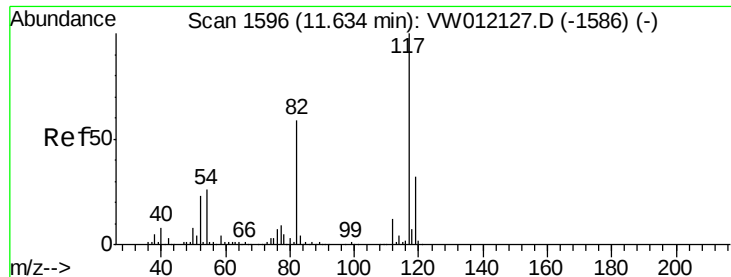
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.8

176 74.1 0.0 148.6

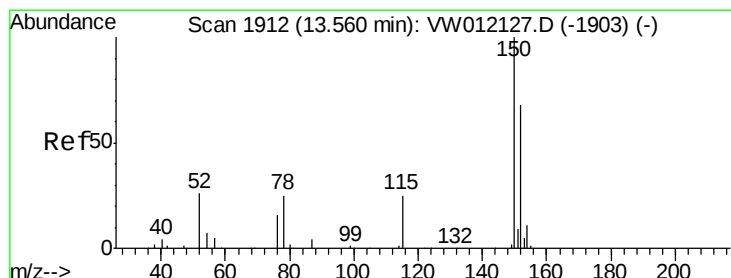
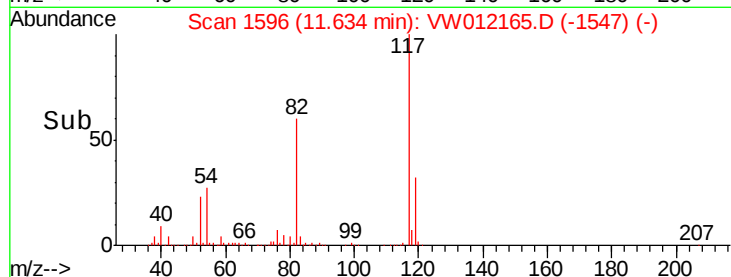
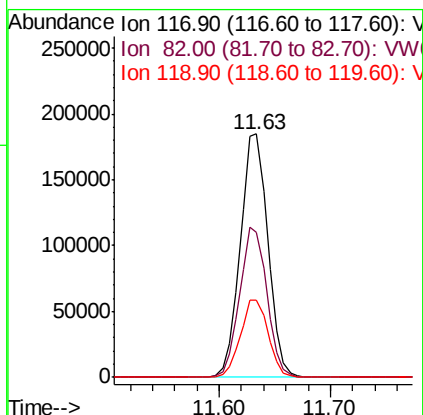
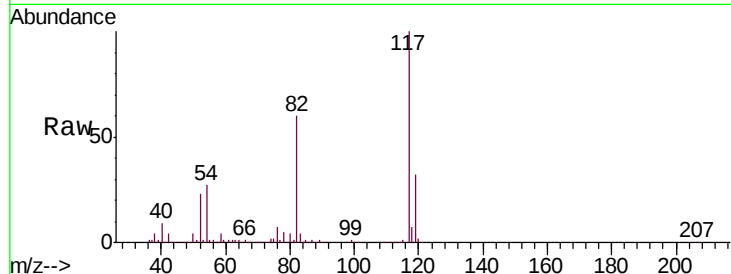




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012165.D
Acq: 26 Aug 2019 12:05

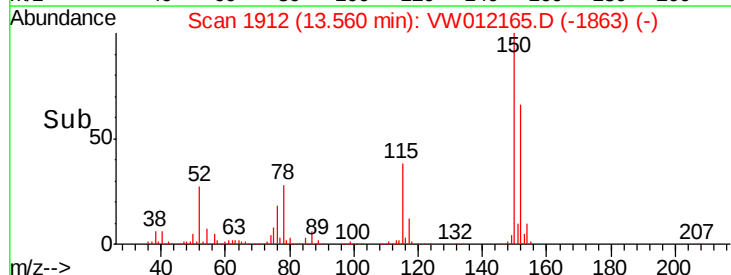
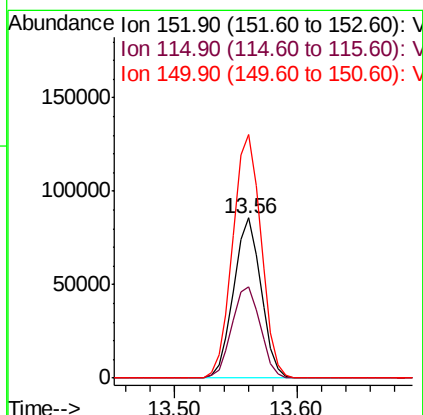
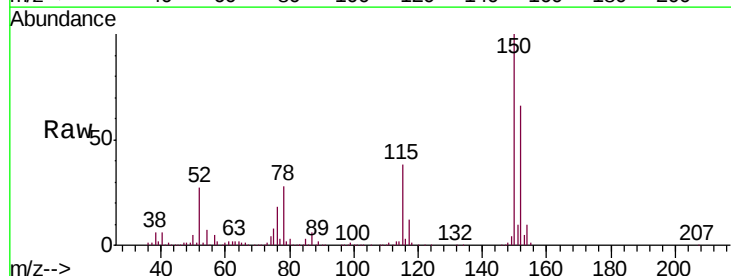
Instrument :
MSVOA_W
ClientSampleId :
TP-1(3-6)

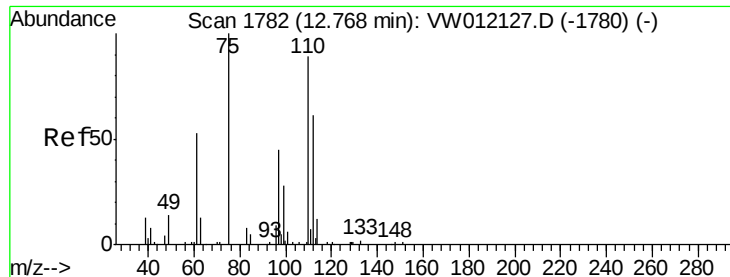
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.4	71.2
119	31.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012165.D
Acq: 26 Aug 2019 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.1	90.3
150	157.4	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 61.862 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

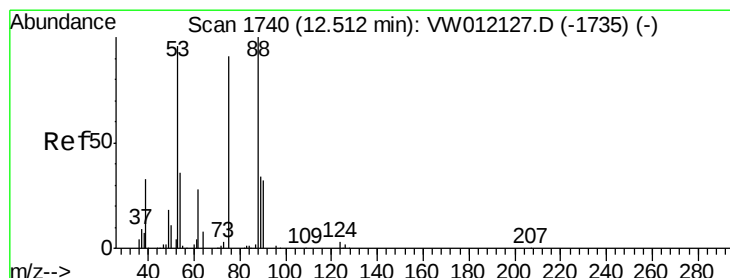
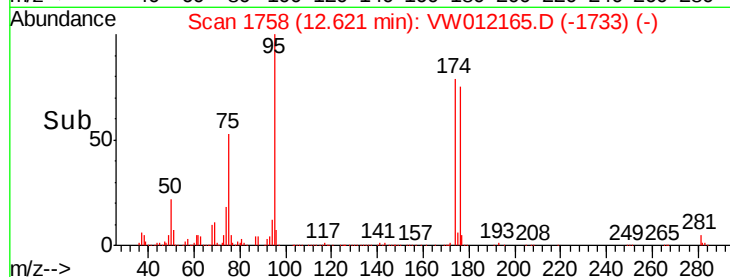
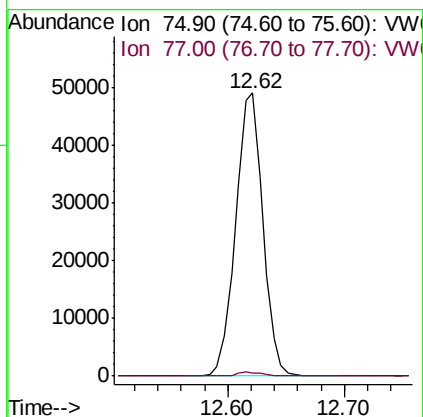
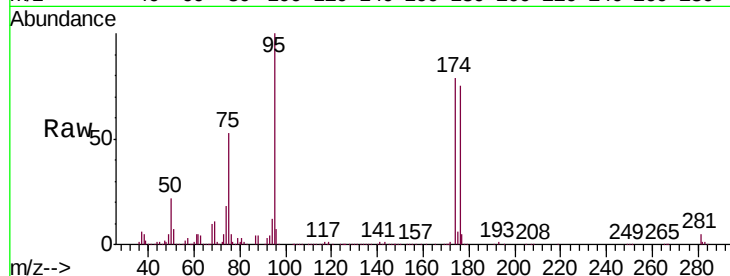
TP-1(3-6)

Tgt Ion: 75 Resp: 80052

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.635 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

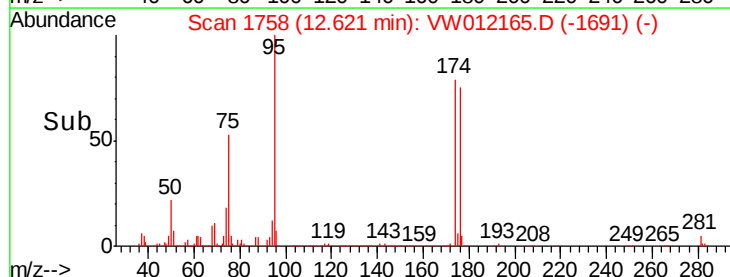
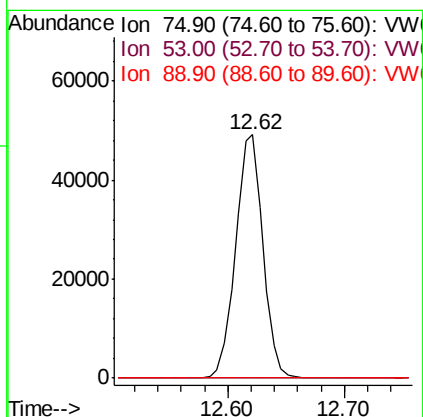
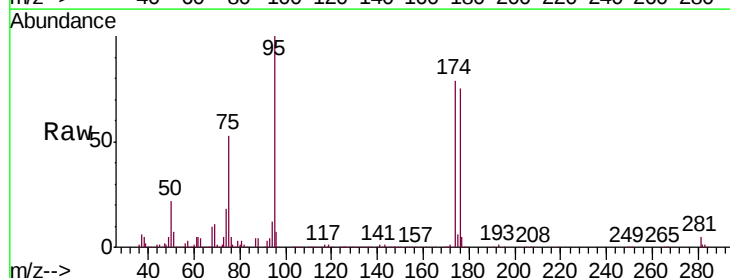
Tgt Ion: 75 Resp: 80052

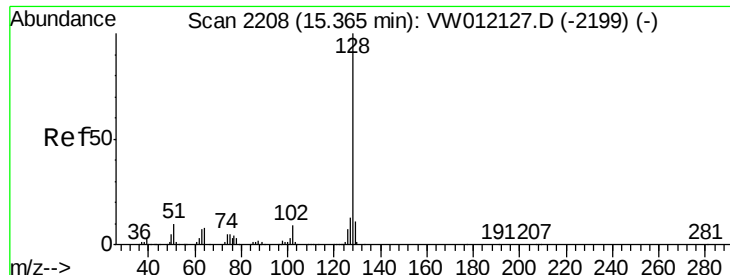
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.451 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012165.D

Acq: 26 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

TP-1(3-6)

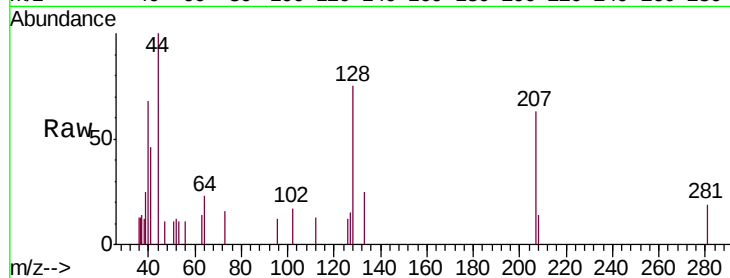
Tgt Ion:128 Resp: 715

Ion Ratio Lower Upper

128 100

127 17.3 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

