

Data File : VW012167.D
Acq On : 26 Aug 2019 12:57
Operator : SY/VA
Sample : K4477-12RE
Misc : 6.20G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-2(3-4)

Quant Time: Aug 27 04:50:20 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	203551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133154	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.88	113	106519	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.32	98	423144	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	132406	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.68	74	2928	2.585	ug/l	81
11) Tert butyl alcohol	5.21	59	1082	7.430	ug/l #	92
16) Acetone	4.14	43	41311	66.789	ug/l	99
20) Methylene Chloride	4.92	84	33510	14.331	ug/l	98
25) 2-Butanone	7.20	43	1667	1.983	ug/l #	56
29) Tetrahydrofuran	7.54	42	5238	10.387	ug/l	100
31) Cyclohexane	7.95	56	5288	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17941	4.998	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21074	6.783	ug/l #	16
41) Methacrylonitrile	7.53	41	2888	2.498	ug/l #	57
49) 1,4-Dioxane	9.44	88	20	1.113	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	72146	64.153	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72146	140.657	ug/l #	6
95) Naphthalene	15.37	128	478	4.421	ug/l #	69

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

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Instrument :
MSVOA_W
ClientSampleId :
TP-2(3-4)

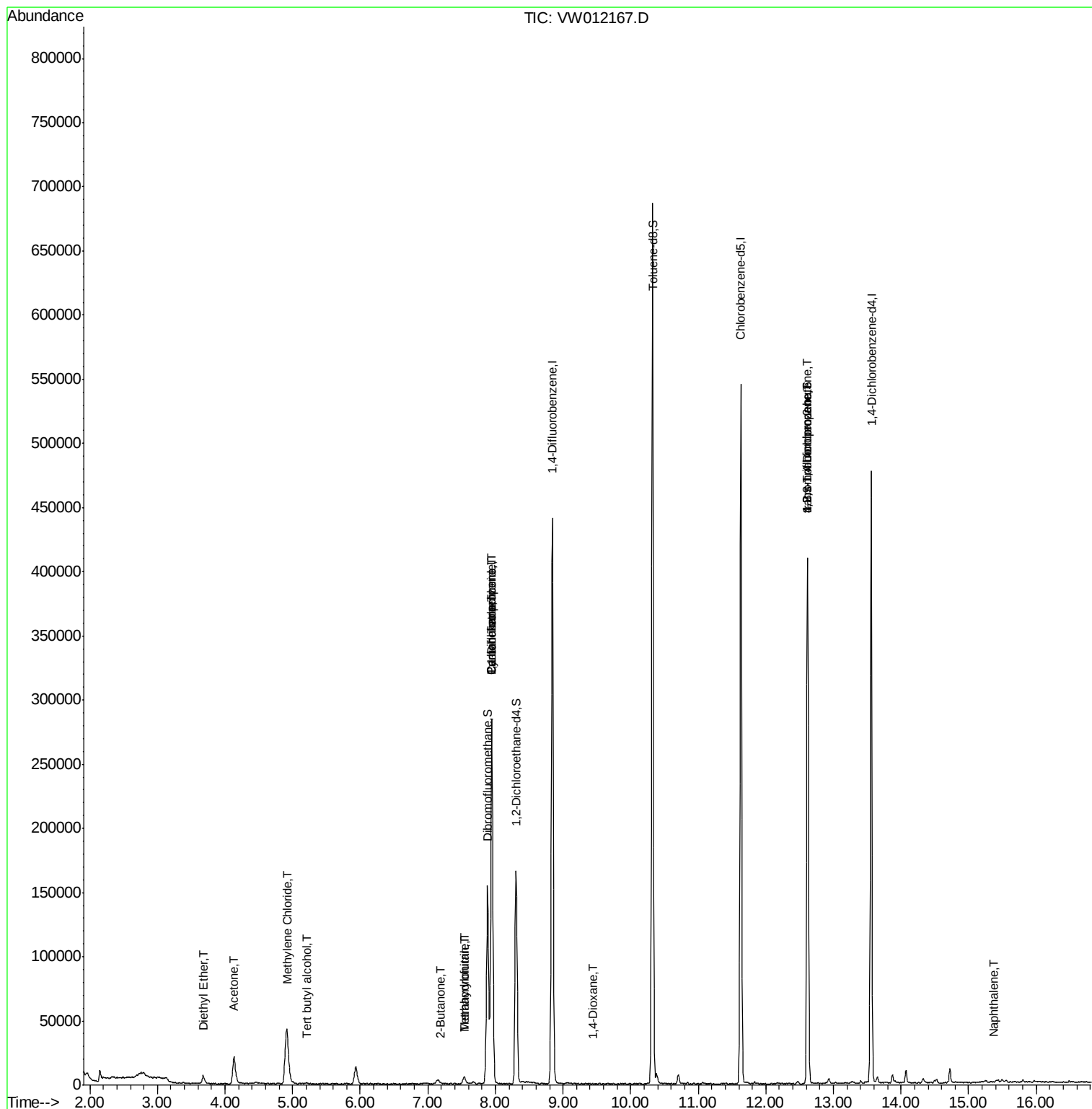
Quant Time: Aug 27 04:50:20 2019

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W082319S.M

Quant Title : SW846 8260

QLast Update : Mon Aug 26 07:18:31 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Acq: 26 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

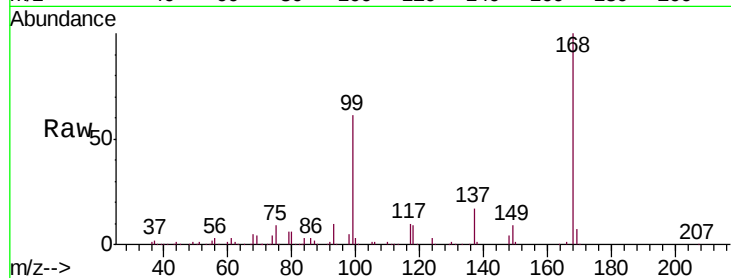
TP-2(3-4)

Tgt Ion:168 Resp: 203551

Ion Ratio Lower Upper

168 100

99 61.1 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

100000

80000

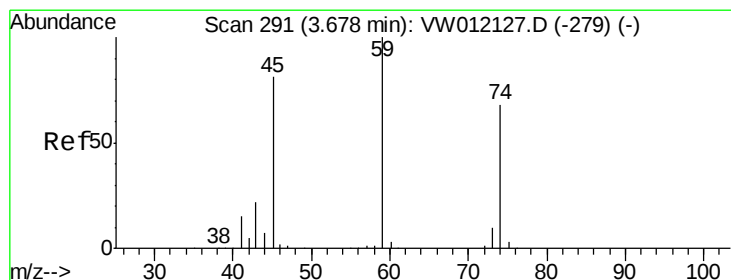
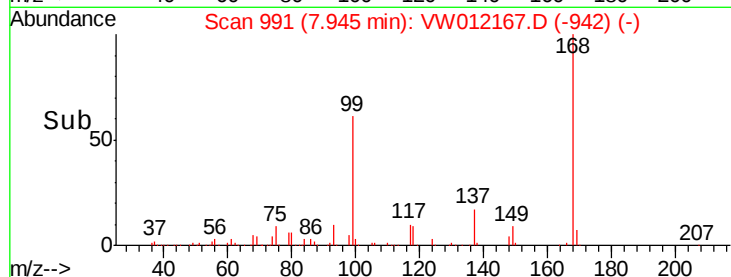
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.585 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012167.D

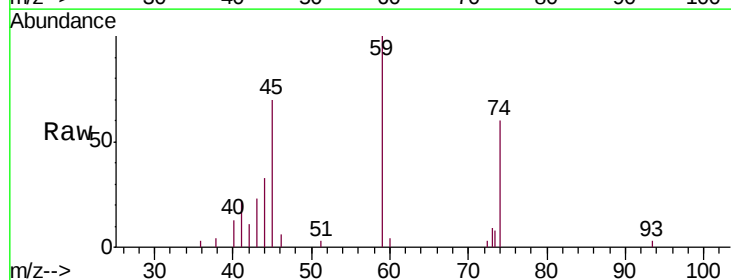
Acq: 26 Aug 2019 12:57

Tgt Ion: 74 Resp: 2928

Ion Ratio Lower Upper

74 100

45 139.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

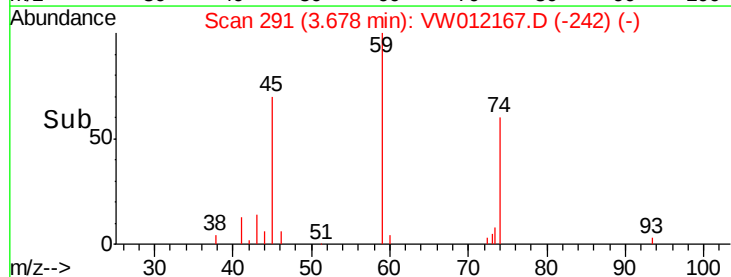
1500

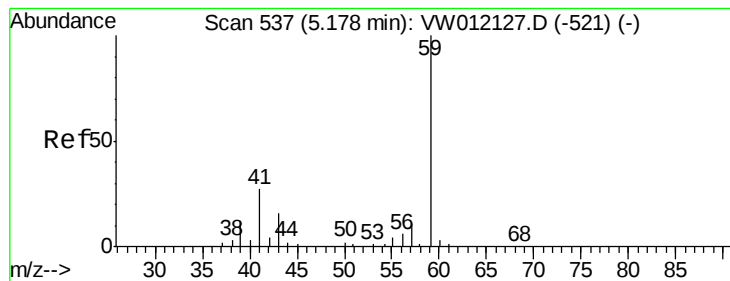
1000

500

0

Time-->



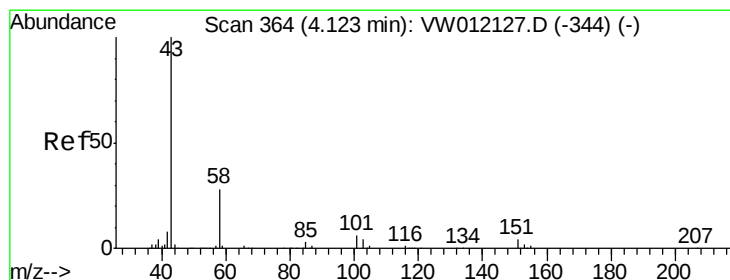
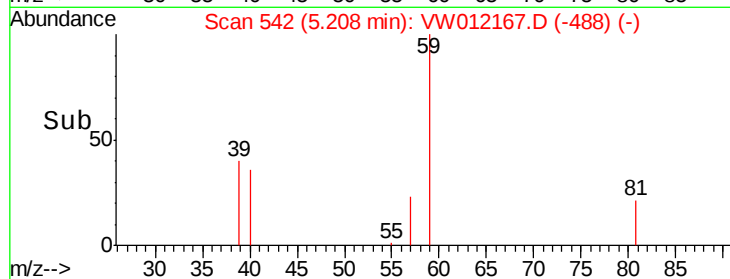
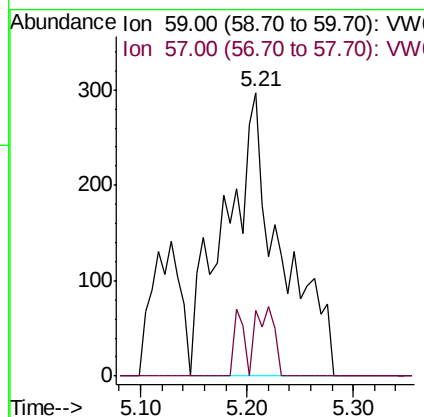
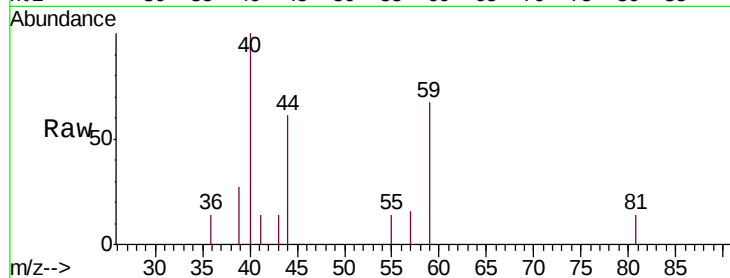


#11

Tert butyl alcohol
 Concen: 7.430 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.03 min
 Lab File: VW012167.D
 Acq: 26 Aug 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2(3-4)

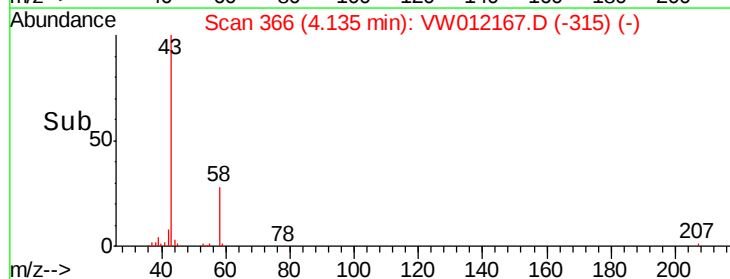
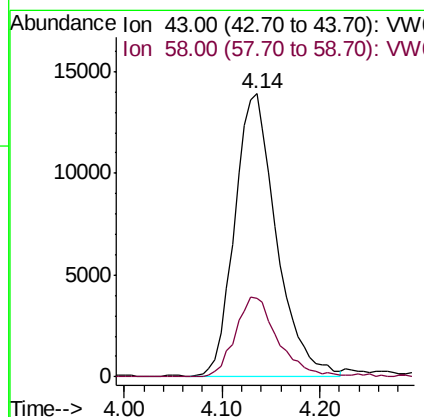
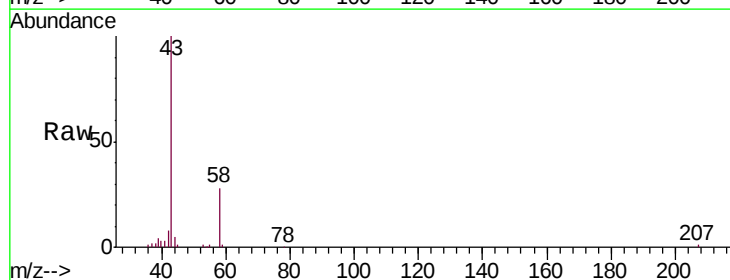
Tgt Ion: 59 Resp: 1082
 Ion Ratio Lower Upper
 59 100
 57 8.2 9.0 13.4#

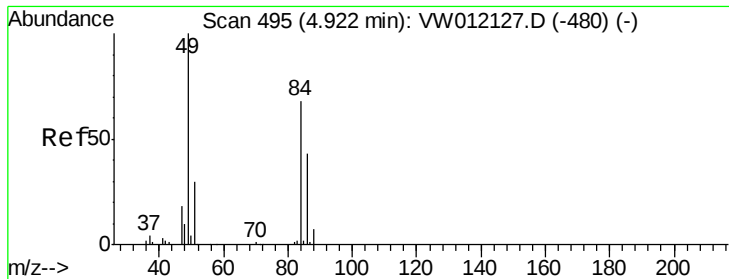


#16

Acetone
 Concen: 66.789 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012167.D
 Acq: 26 Aug 2019 12:57

Tgt Ion: 43 Resp: 41311
 Ion Ratio Lower Upper
 43 100
 58 27.2 22.4 33.6





#20

Methylene Chloride

Concen: 14.331 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012167.D

Acq: 26 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

TP-2(3-4)

Tgt Ion: 84 Resp: 33510

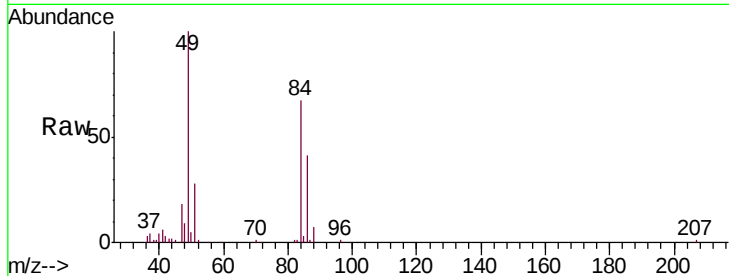
Ion Ratio Lower Upper

84 100

49 148.8 117.8 176.8

51 42.0 35.6 53.4

86 60.8 51.2 76.8



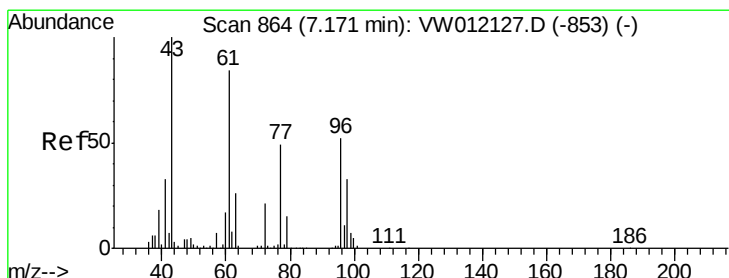
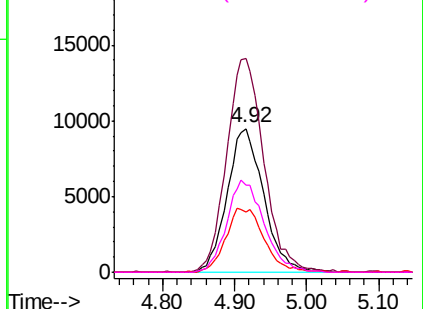
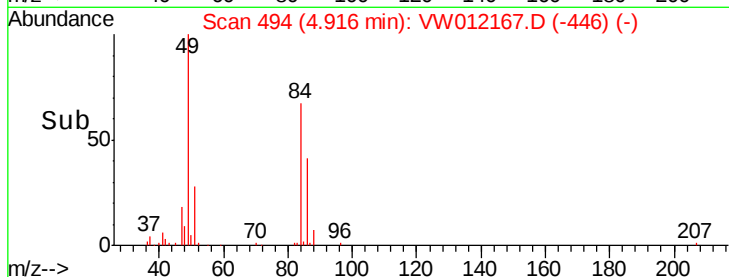
Abundance

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: 1.983 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW012167.D

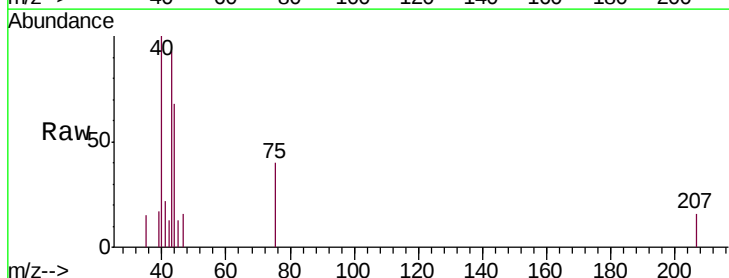
Acq: 26 Aug 2019 12:57

Tgt Ion: 43 Resp: 1667

Ion Ratio Lower Upper

43 100

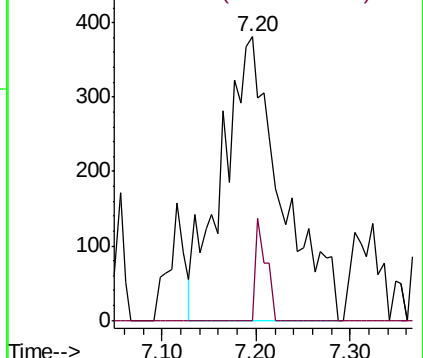
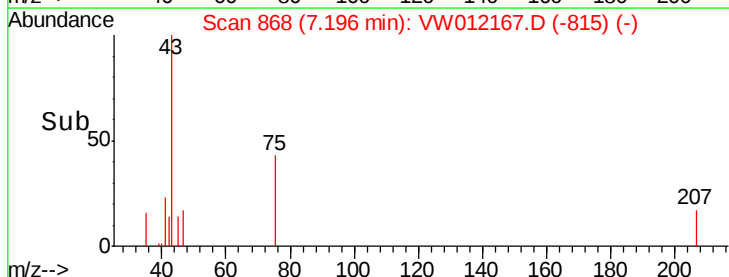
72 0.0 16.6 24.8#

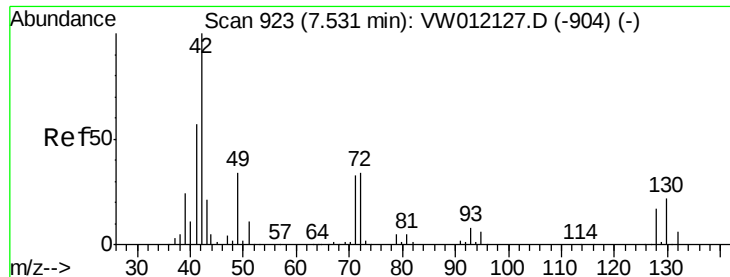


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 10.387 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012167.D

Acq: 26 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampled :

TP-2(3-4)

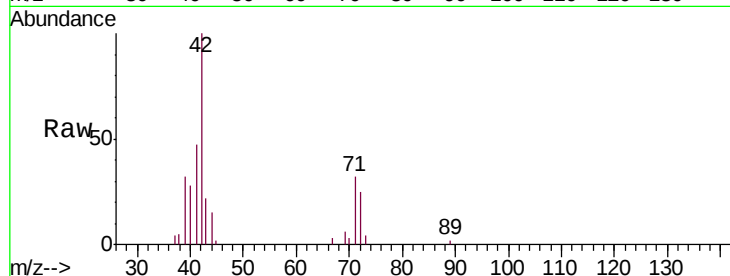
Tgt Ion: 42 Resp: 5238

Ion Ratio Lower Upper

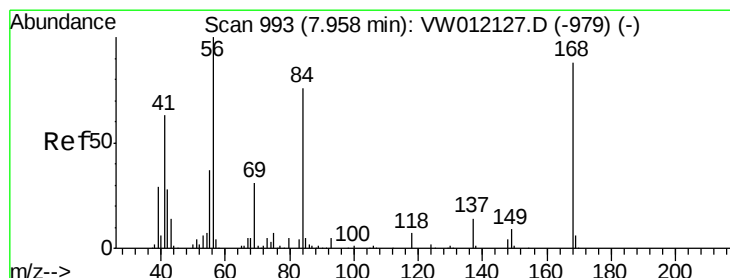
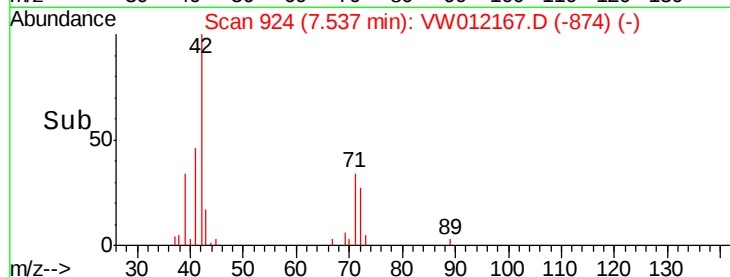
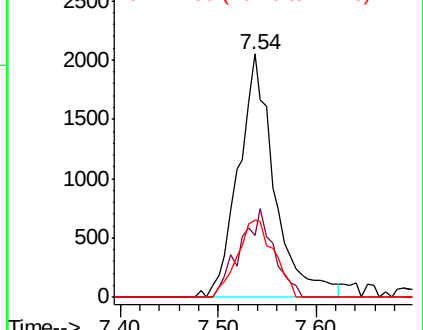
42 100

72 34.2 27.3 40.9

71 32.2 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: 1.213 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012167.D

Acq: 26 Aug 2019 12:57

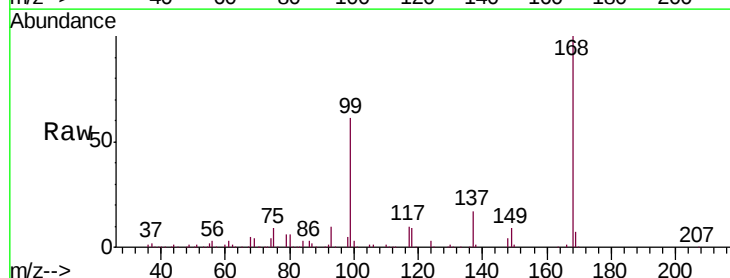
Tgt Ion: 56 Resp: 5288

Ion Ratio Lower Upper

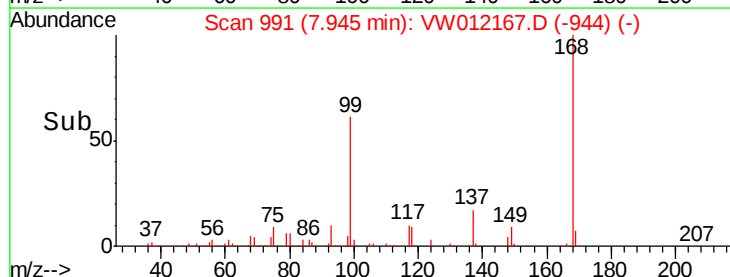
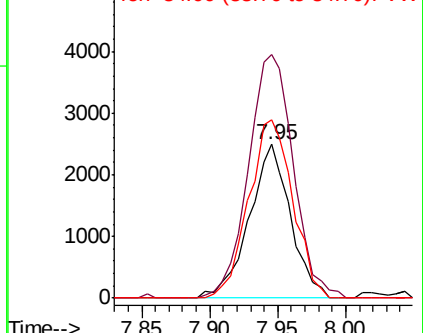
56 100

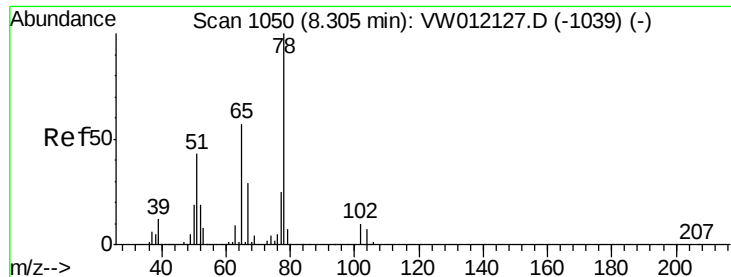
69 158.7 24.9 37.3#

84 116.0 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

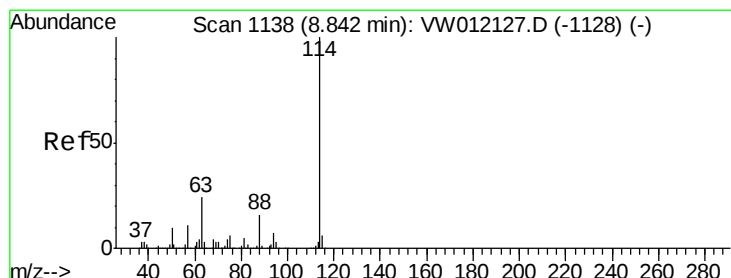
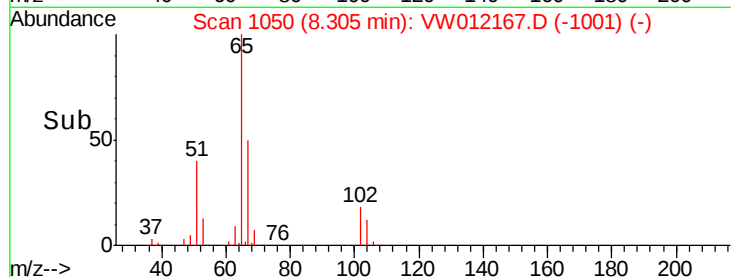
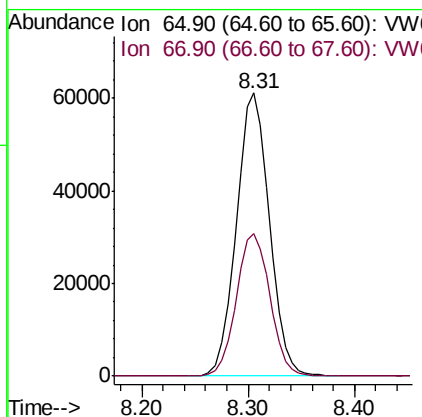
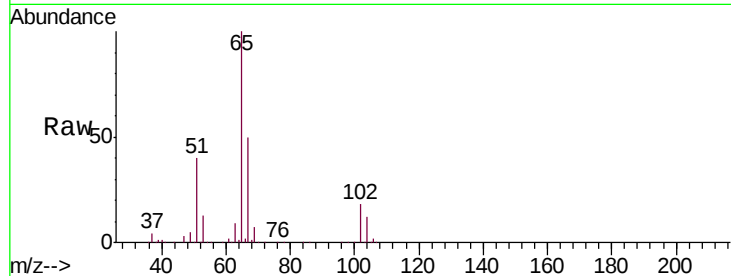




#33
 1,2-Dichloroethane-d4
 Concen: 55.029 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012167.D
 Acq: 26 Aug 2019 12:57

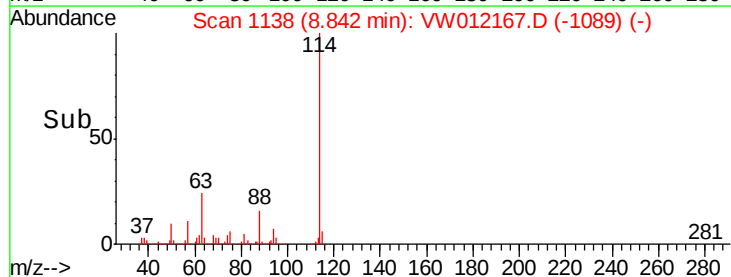
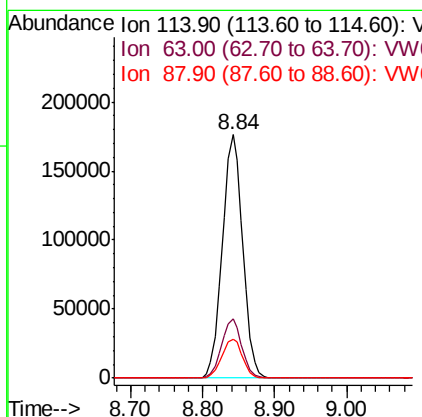
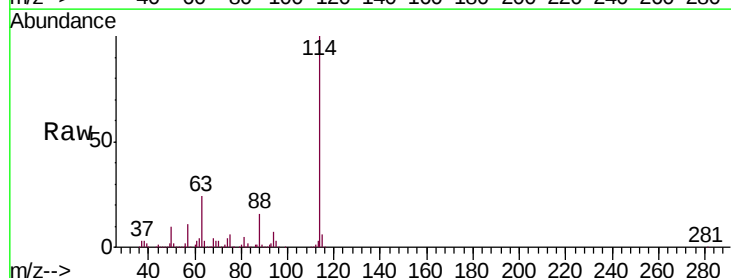
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2(3-4)

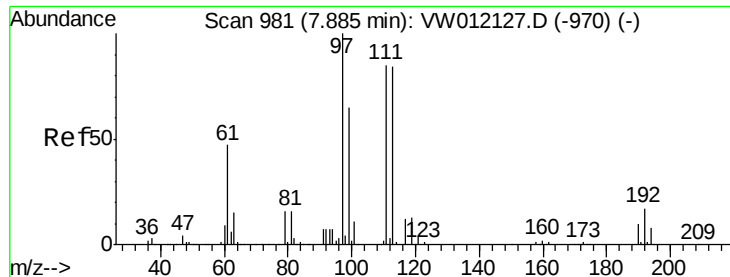
Tgt Ion: 65 Resp: 133154
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012167.D
 Acq: 26 Aug 2019 12:57

Tgt Ion: 114 Resp: 347350
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.375 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012167.D

Acq: 26 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

TP-2(3-4)

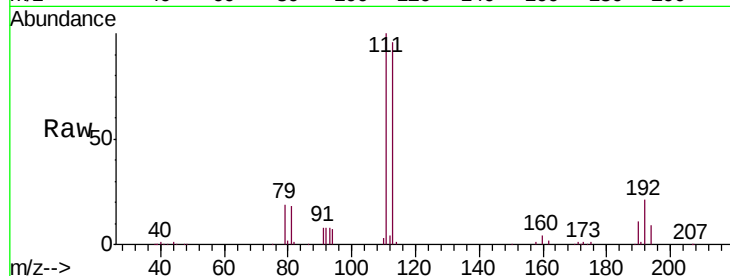
Tgt Ion:113 Resp: 106519

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

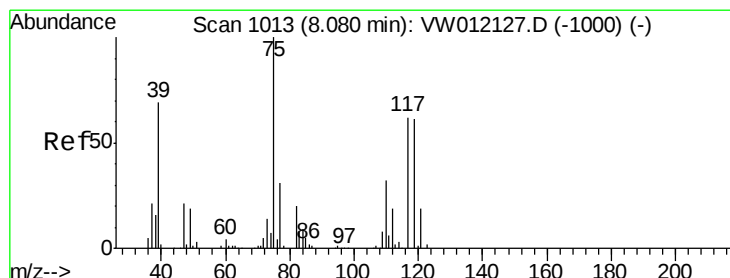
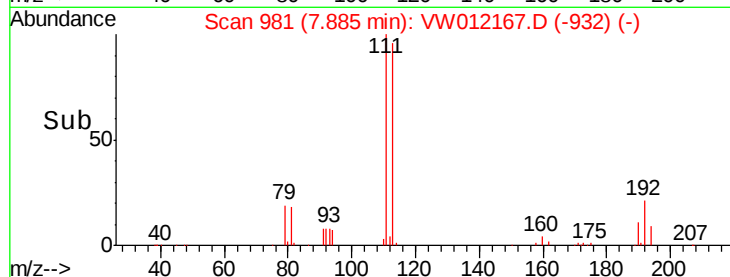
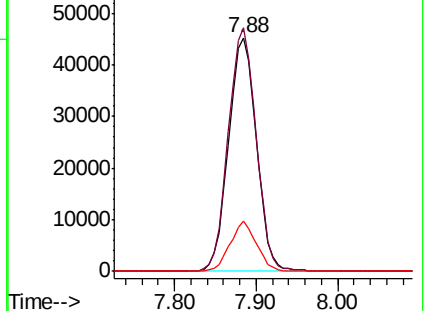
192 20.2 16.2 24.2



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: 4.998 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012167.D

Acq: 26 Aug 2019 12:57

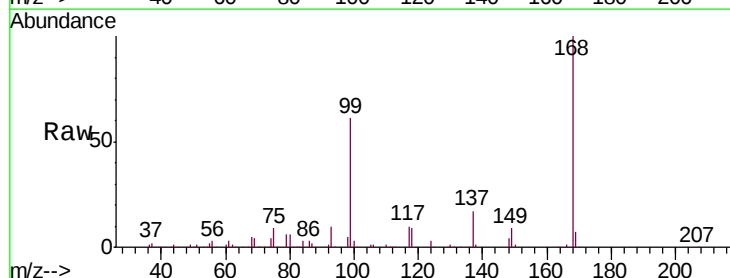
Tgt Ion: 75 Resp: 17941

Ion Ratio Lower Upper

75 100

110 8.1 15.6 46.8#

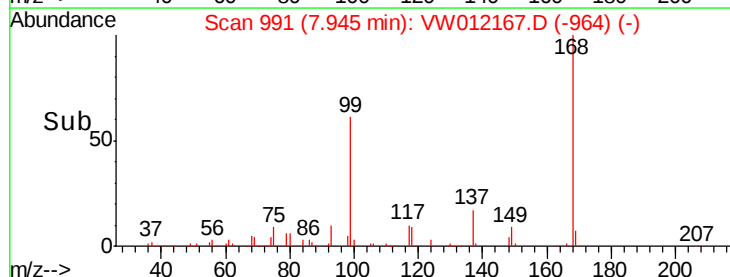
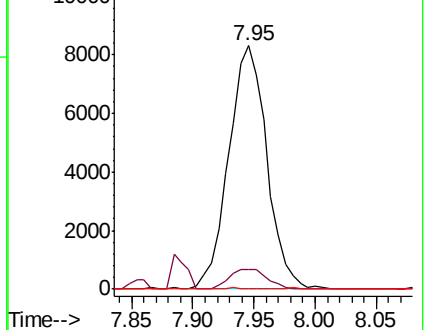
77 0.1 24.6 36.8#

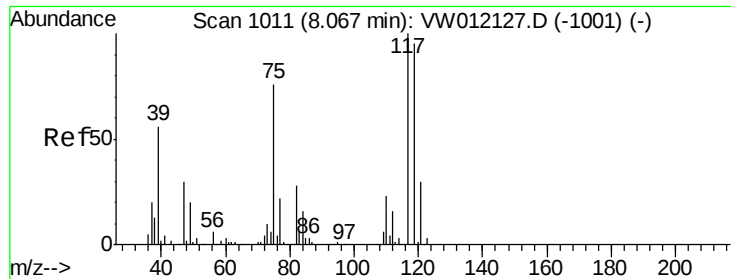


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

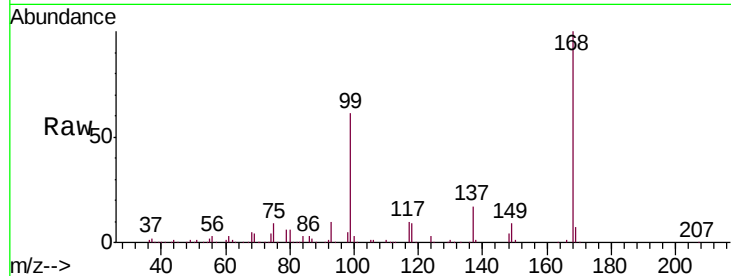




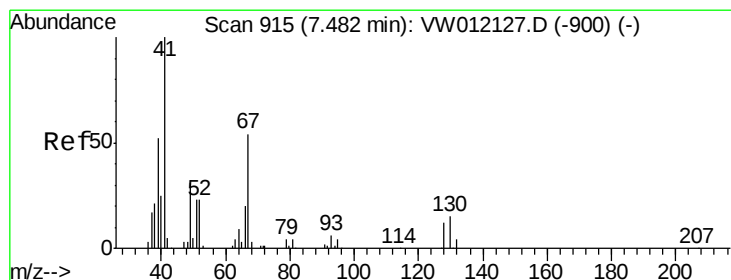
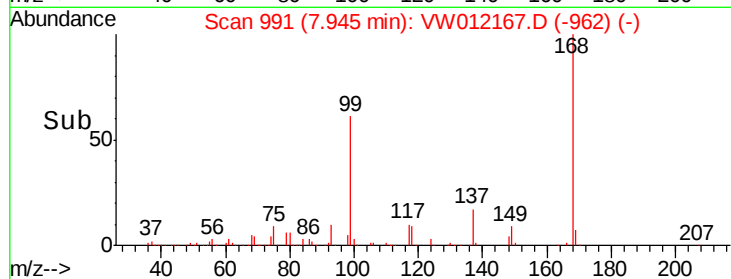
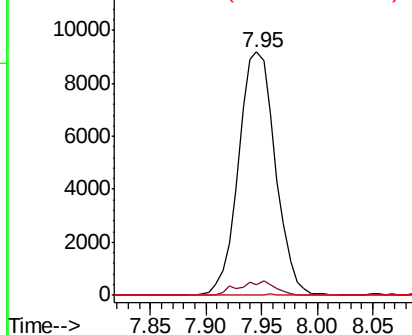
#38
Carbon Tetrachloride
Concen: 6.783 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

Instrument :
MSVOA_W
ClientSampled :
TP-2(3-4)

Tgt Ion:117 Resp: 21074
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 23.8 35.8#

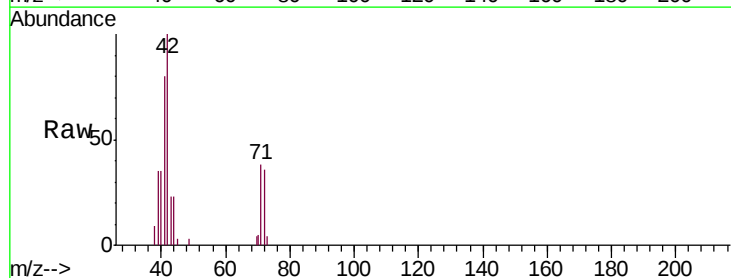


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

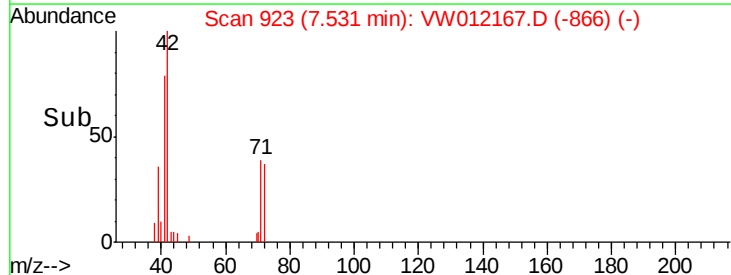
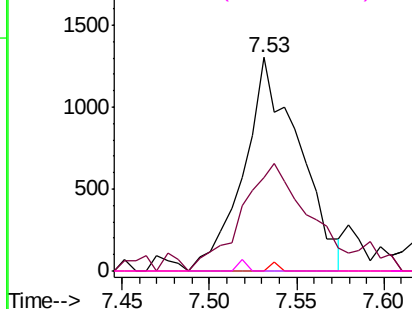


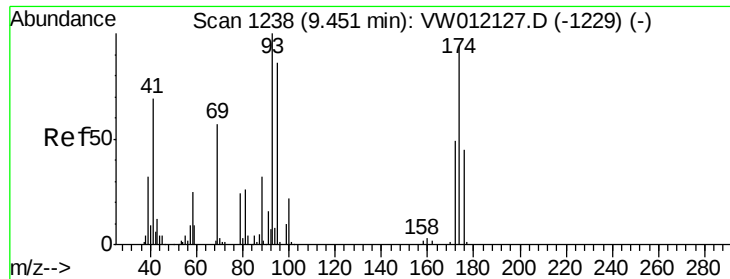
#41
Methacrylonitrile
Concen: 2.498 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

Tgt Ion: 41 Resp: 2888
Ion Ratio Lower Upper
41 100
39 61.0 45.8 68.8
67 0.7 46.2 69.4#
52 0.9 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

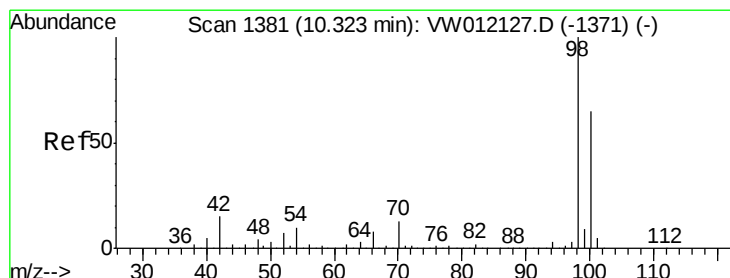
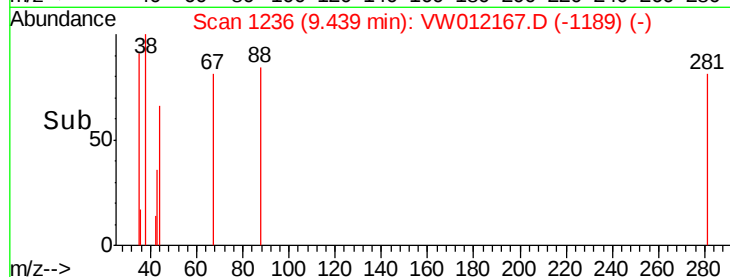
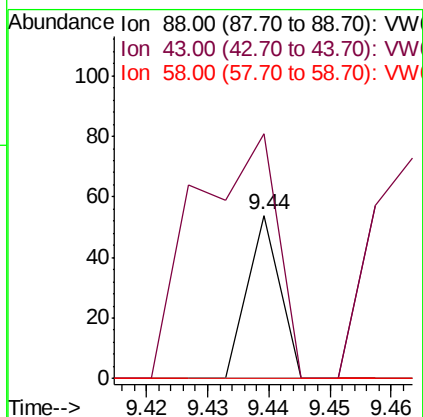
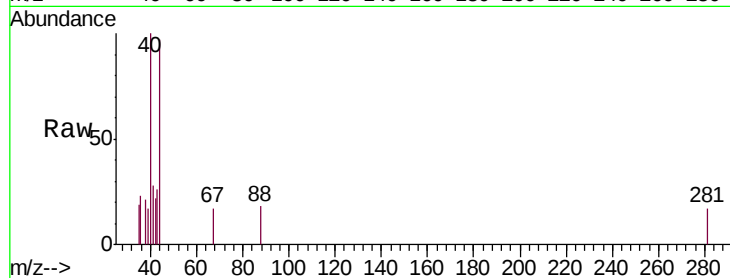




#49
1,4-Dioxane
Concen: 1.113 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

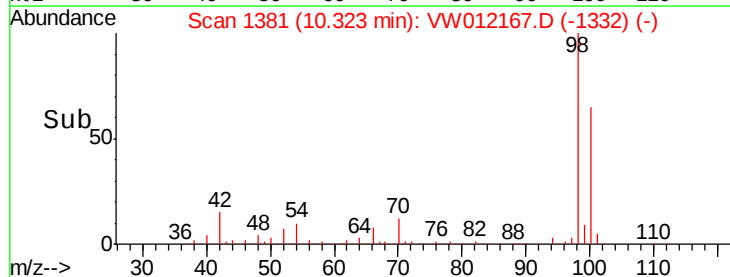
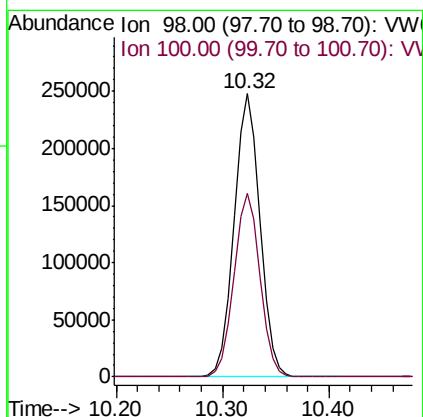
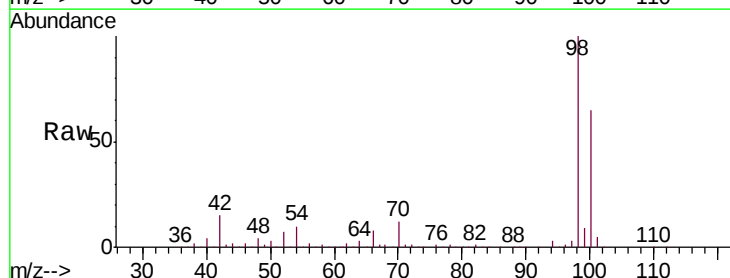
Instrument :
MSVOA_W
ClientSampleId :
TP-2(3-4)

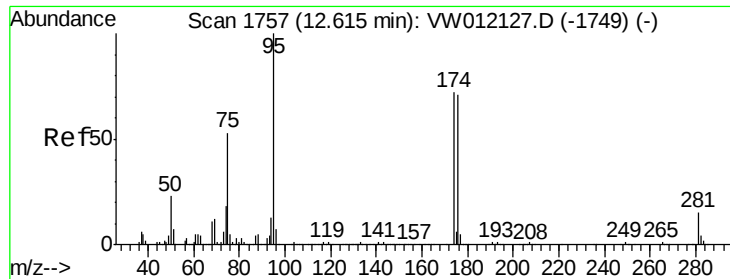
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 375.0 32.9 49.3#
58 0.0 71.0 106.4#



#50
Toluene-d8
Concen: 50.334 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

Tgt Ion: 98 Resp: 423144
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

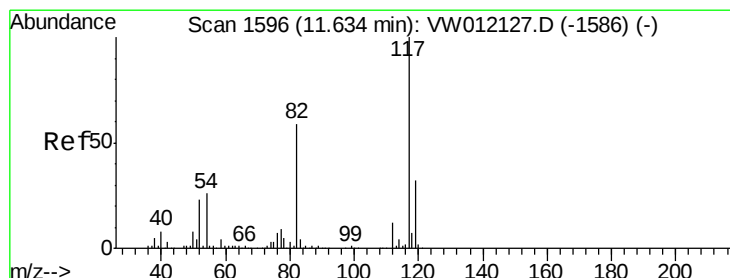
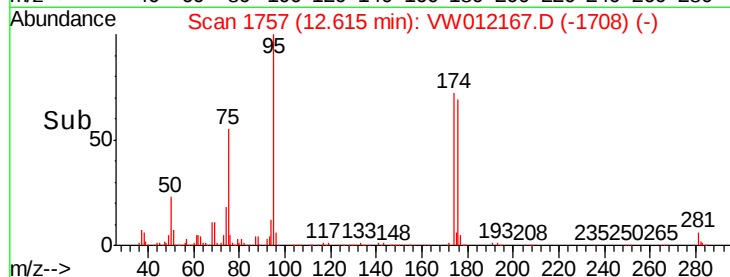
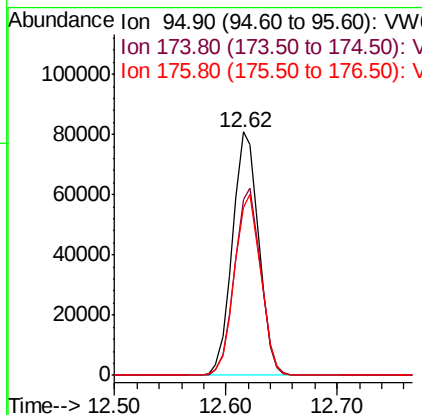
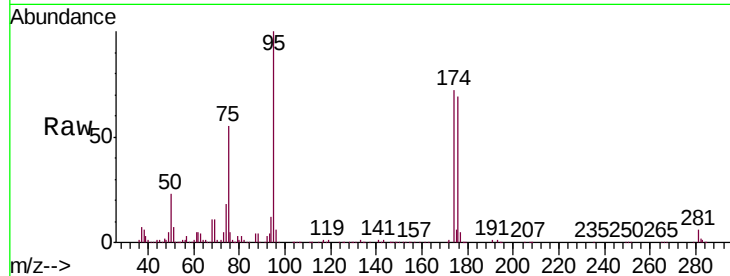




#62
4-Bromofluorobenzene
Concen: 44.681 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

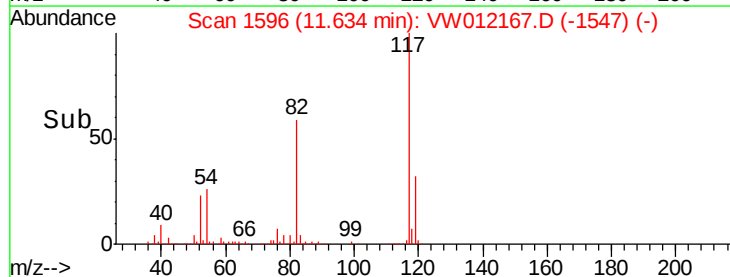
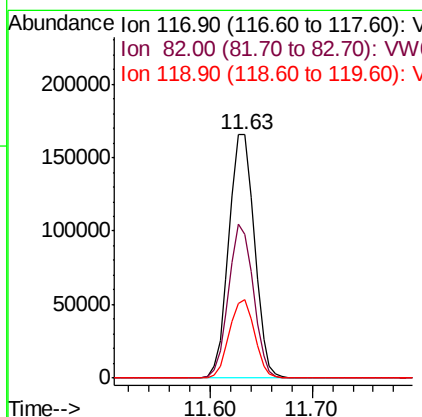
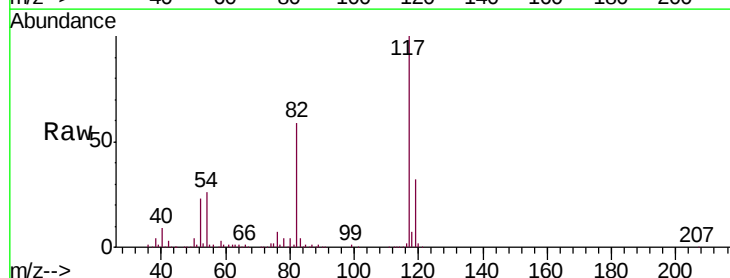
Instrument :
MSVOA_W
ClientSampleId :
TP-2(3-4)

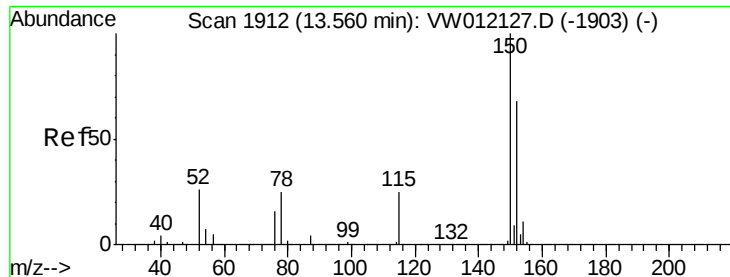
Tgt Ion: 95 Resp: 132406
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.8
176 74.2 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

Tgt Ion: 117 Resp: 287915
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 32.1 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: VW012167.D

Acq: 26 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

TP-2(3-4)

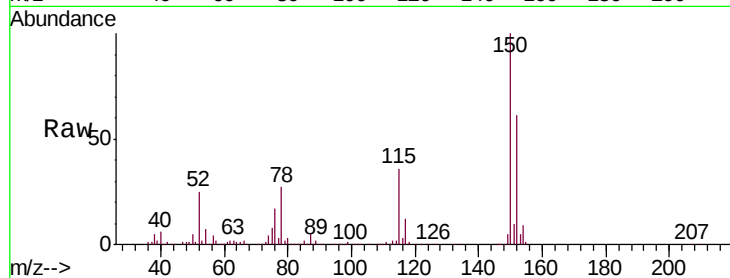
Tgt Ion:152 Resp: 115470

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

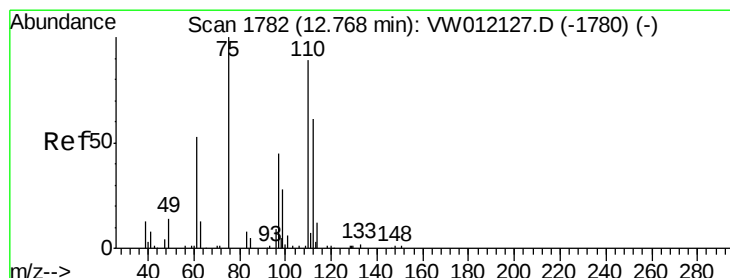
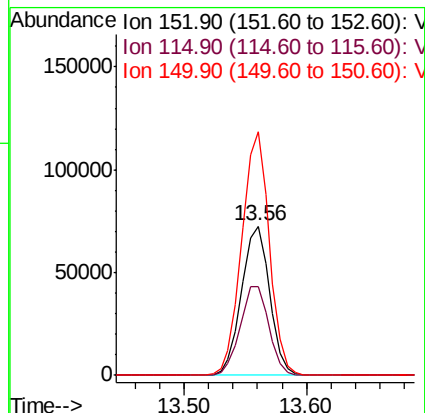
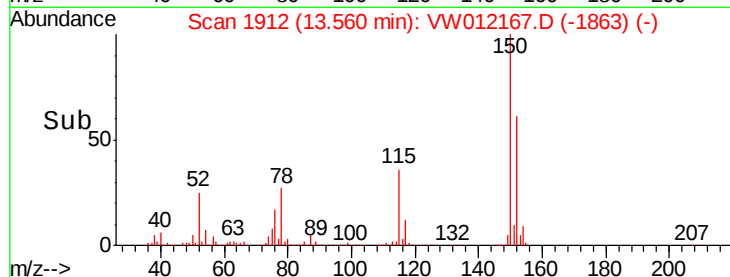
150 160.0 0.0 345.8



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: 64.153 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012167.D

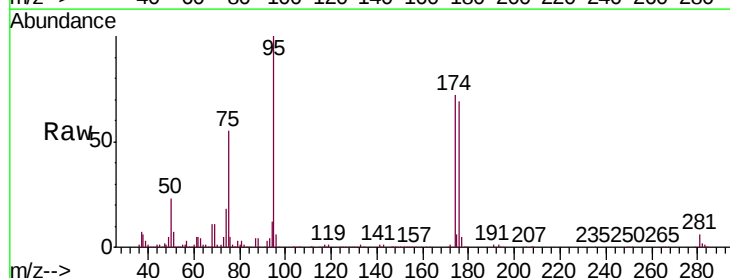
Acq: 26 Aug 2019 12:57

Tgt Ion: 75 Resp: 72146

Ion Ratio Lower Upper

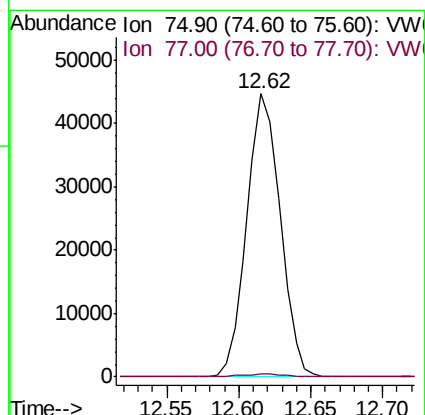
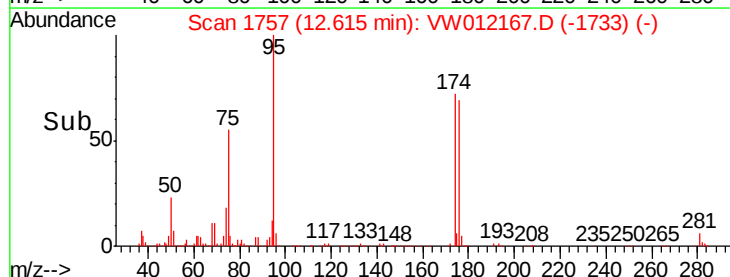
75 100

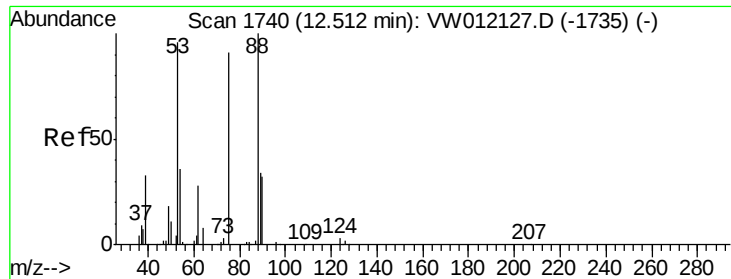
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

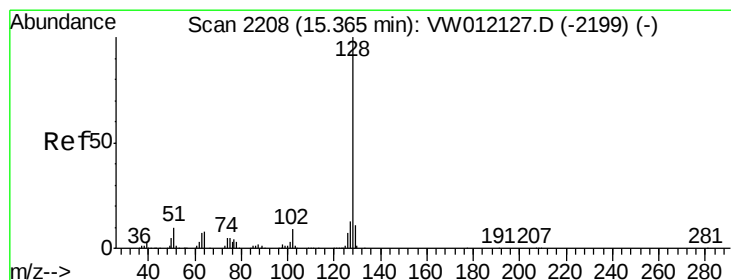
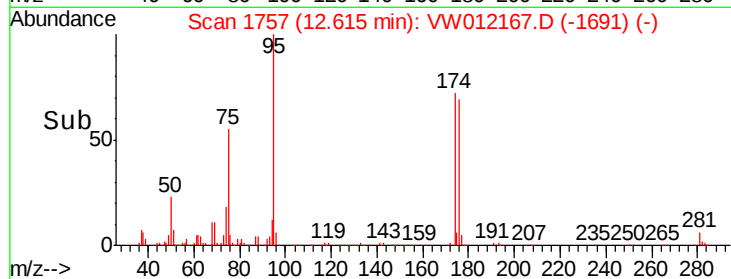
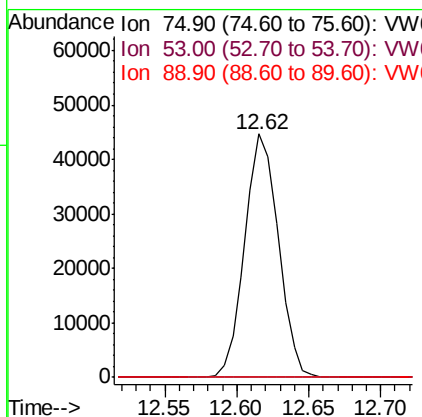
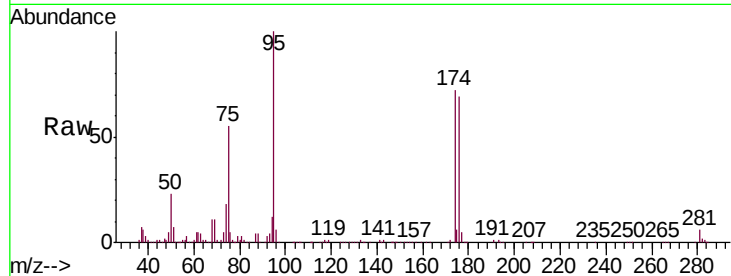




#81
trans-1,4-Dichloro-2-butene
Concen: 140.657 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
TP-2(3-4)

Tgt Ion: 75 Resp: 72146
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.421 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012167.D
Acq: 26 Aug 2019 12:57

Tgt Ion: 128 Resp: 478
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

