

Data File : VW012856.D
Acq On : 10 Sep 2019 07:05
Operator : SY/VA
Sample : K4644-16
Misc : 6.07G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-E4-(4)

Quant Time: Sep 10 08:21:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	103173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	126266	42.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.08%	
35) Dibromofluoromethane	7.88	113	112699	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	10.32	98	465199	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	128519	37.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.72%	

Target Compounds

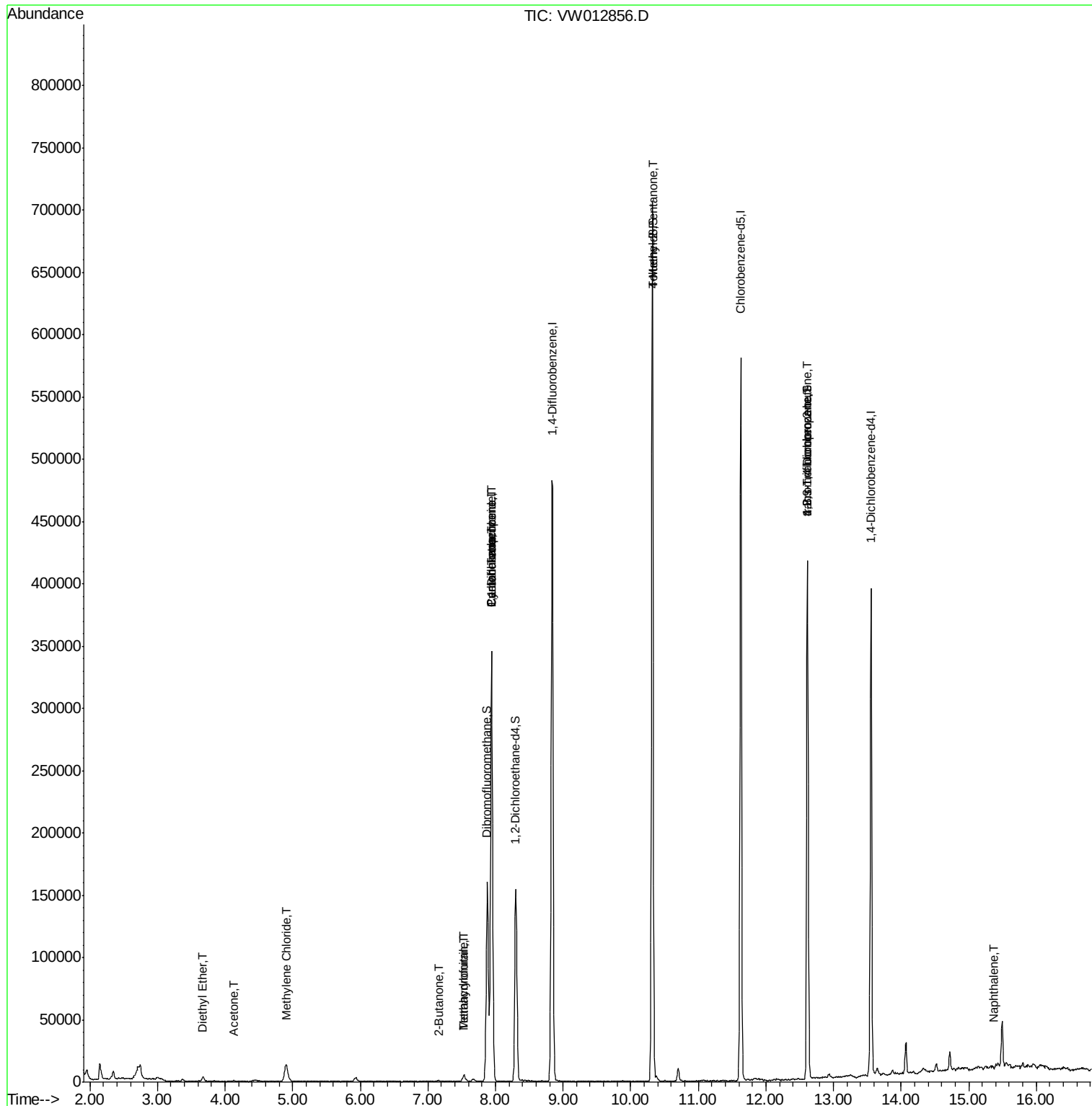
						Qvalue
8) Diethyl Ether	3.67	74	2093	1.662	ug/l	85
16) Acetone	4.12	43	1647	2.011	ug/l	96
20) Methylene Chloride	4.90	84	10090	3.939	ug/l	92
25) 2-Butanone	7.16	43	28	19.702	ug/l #	53
29) Tetrahydrofuran	7.53	42	4838	7.317	ug/l	100
31) Cyclohexane	7.95	56	5433	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20417	5.724	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25118	7.144	ug/l #	16
41) Methacrylonitrile	7.53	41	2767	5.491	ug/l #	60
51) 4-Methyl-2-Pentanone	10.32	43	2706	1.197	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	68481	64.912	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68481	137.292	ug/l #	7
95) Naphthalene	15.36	128	127	4.466	ug/l #	69

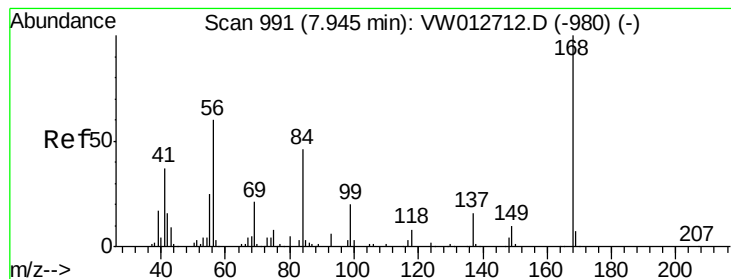
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

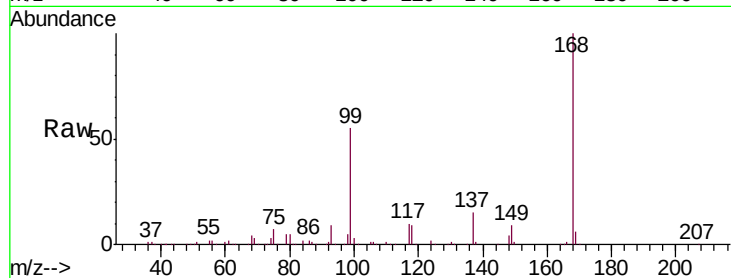
T11-E4-(4)

Tgt Ion:168 Resp: 268813

Ion Ratio Lower Upper

168 100

99 54.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

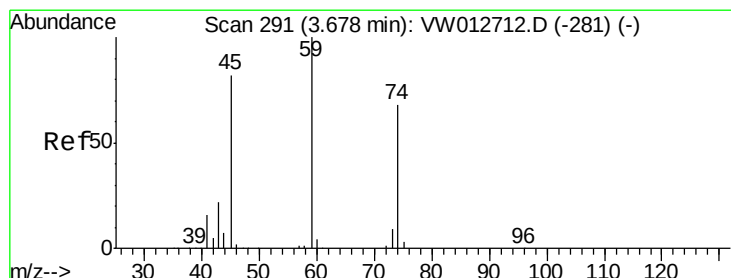
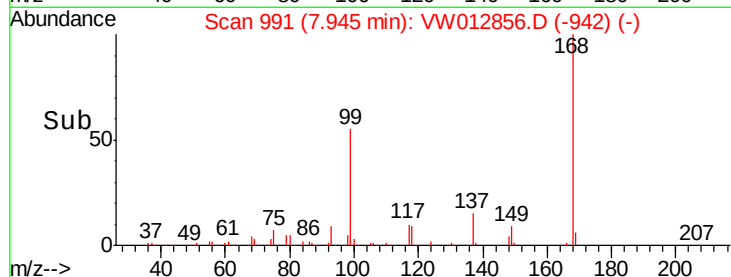
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.662 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012856.D

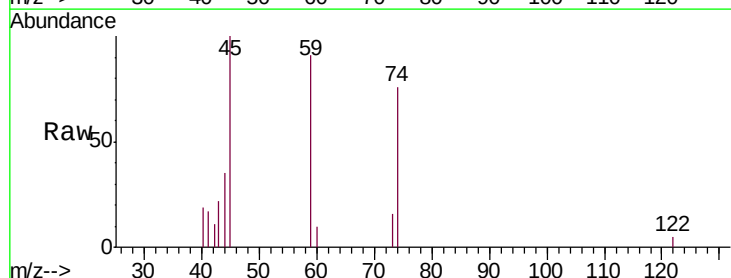
Acq: 10 Sep 2019 07:05

Tgt Ion: 74 Resp: 2093

Ion Ratio Lower Upper

74 100

45 100.6 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1200

1000

800

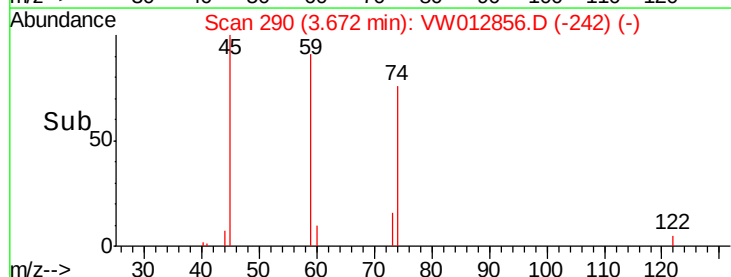
600

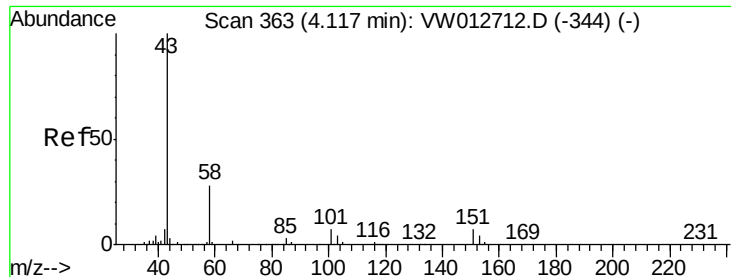
400

200

0

Time-->

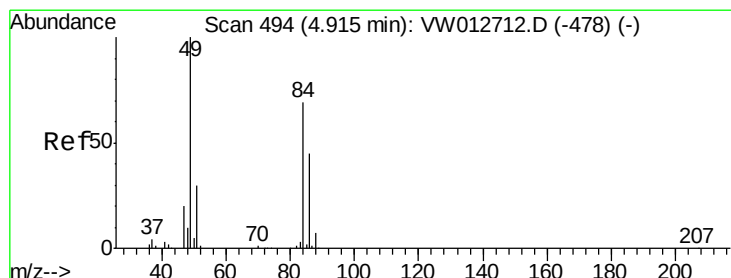
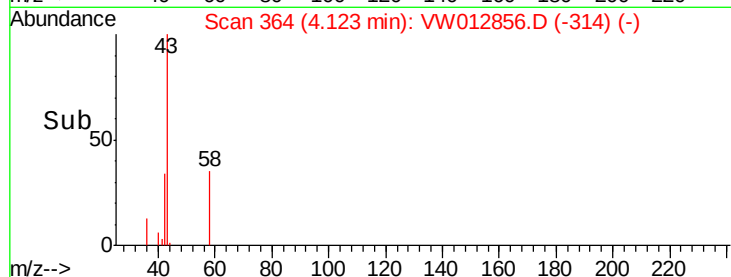
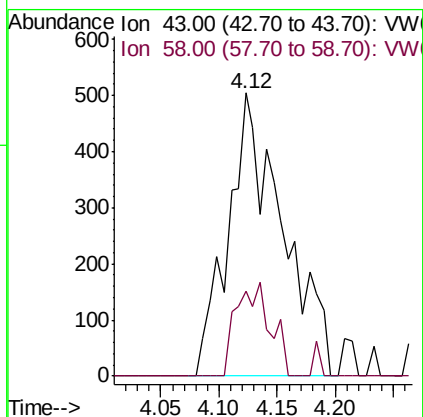
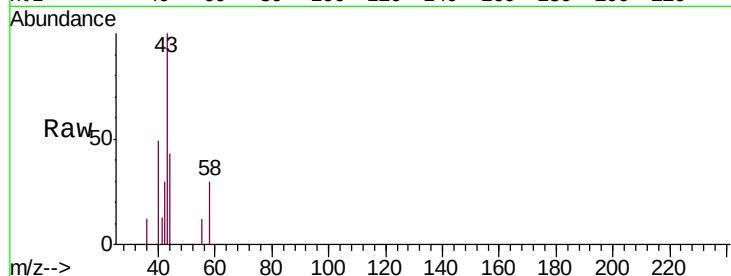




#16
Acetone
Concen: 2.011 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW012856.D
Acq: 10 Sep 2019 07:05

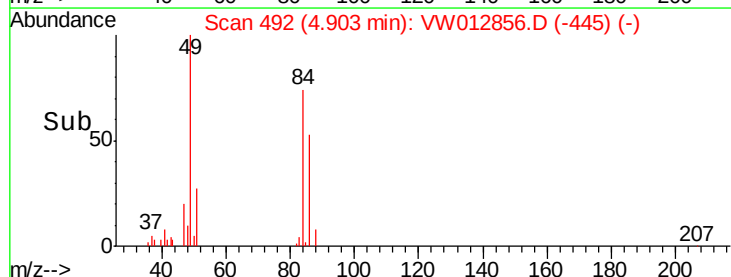
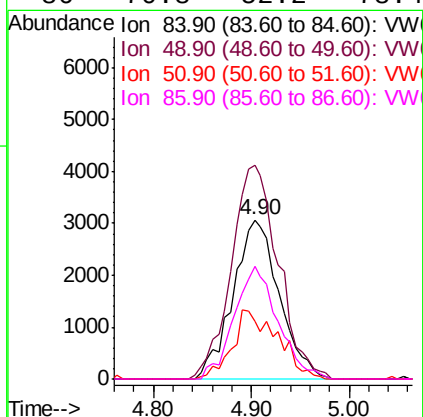
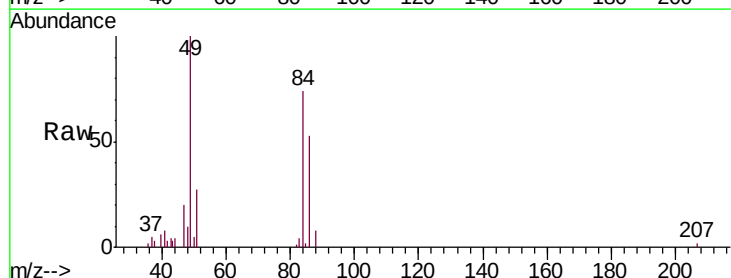
Instrument :
MSVOA_W
ClientSampleId :
T11-E4-(4)

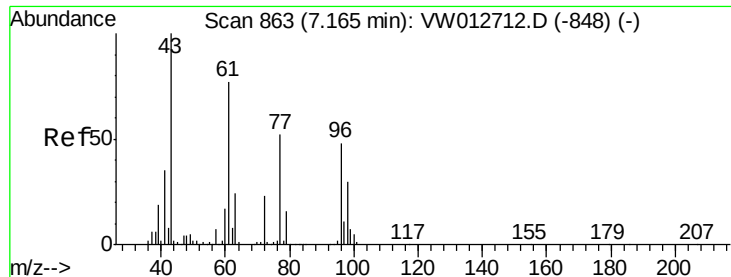
Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 30.2 22.6 33.8



#20
Methylene Chloride
Concen: 3.939 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012856.D
Acq: 10 Sep 2019 07:05

Tgt Ion: 84 Resp: 10090
Ion Ratio Lower Upper
84 100
49 134.4 115.4 173.0
51 36.3 34.9 52.3
86 70.8 52.2 78.4





#25

2-Butanone

Concen: 19.702 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

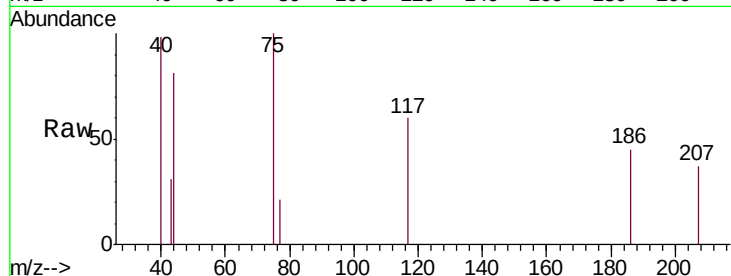
T11-E4-(4)

Tgt Ion: 43 Resp: 28

Ion Ratio Lower Upper

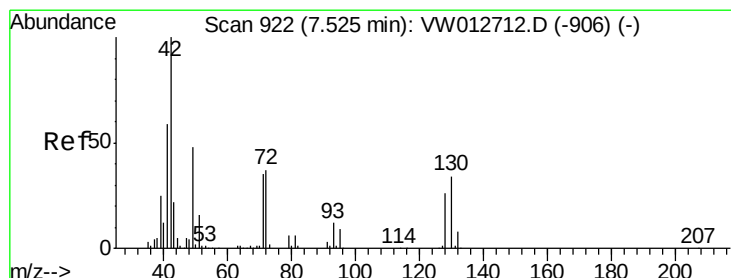
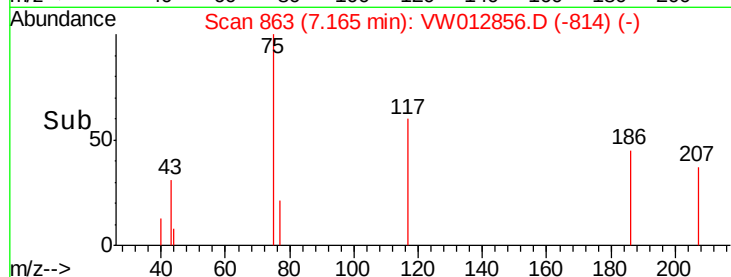
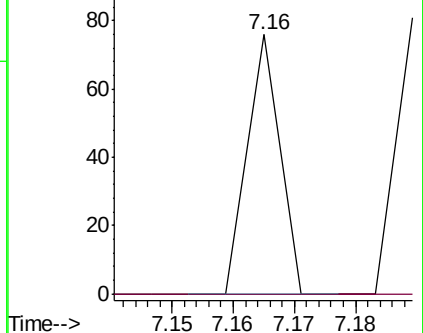
43 100

72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 7.317 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

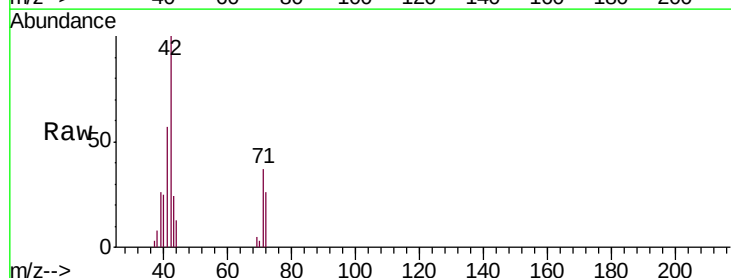
Tgt Ion: 42 Resp: 4838

Ion Ratio Lower Upper

42 100

72 35.7 28.4 42.6

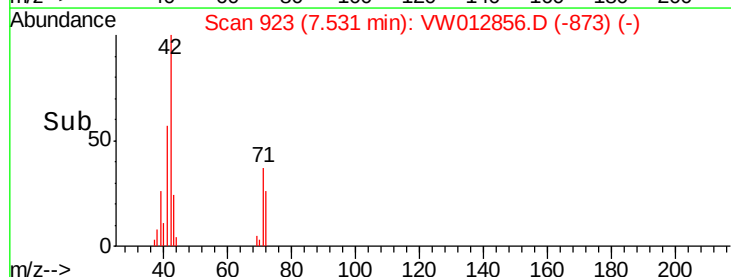
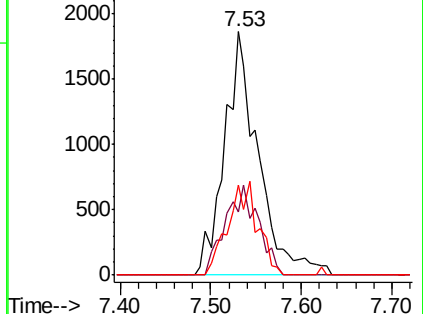
71 33.6 27.1 40.7

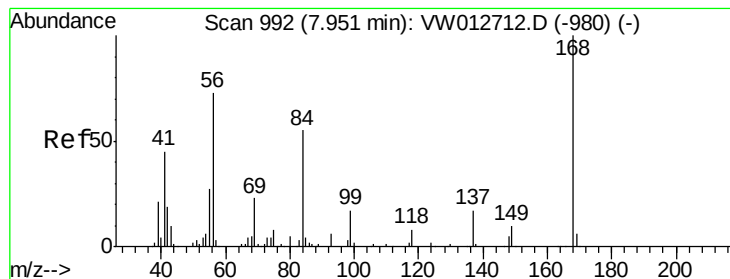


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(4)

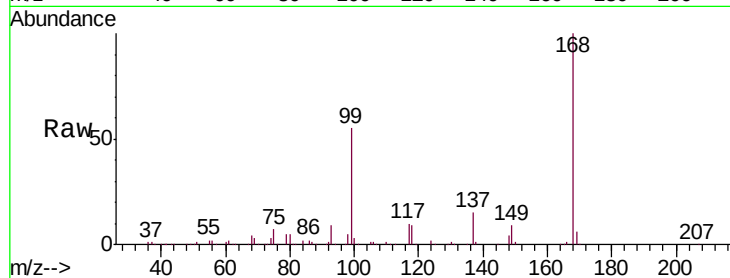
Tgt Ion: 56 Resp: 5433

Ion Ratio Lower Upper

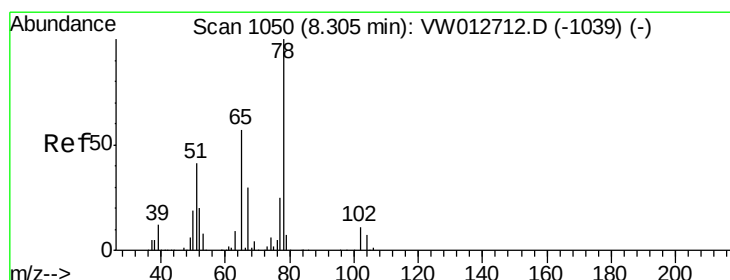
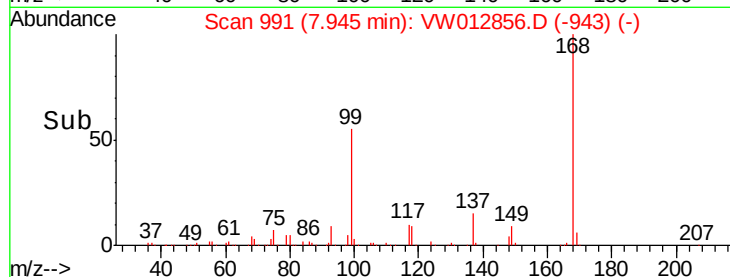
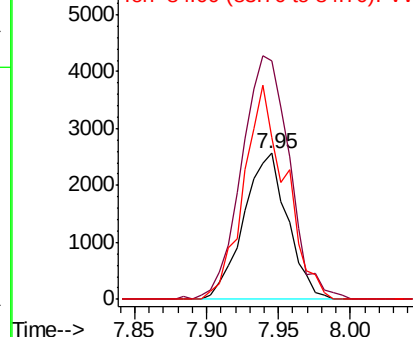
56 100

69 163.7 25.7 38.5#

84 110.7 60.4 90.6#



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: 42.039 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012856.D

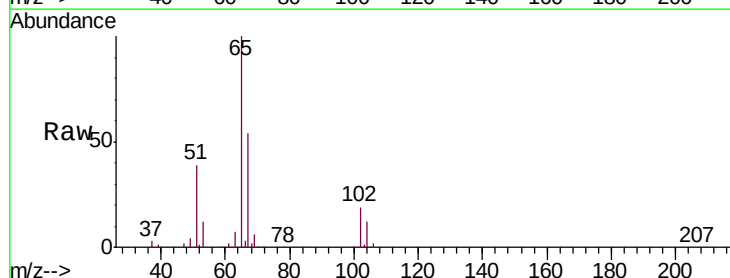
Acq: 10 Sep 2019 07:05

Tgt Ion: 65 Resp: 126266

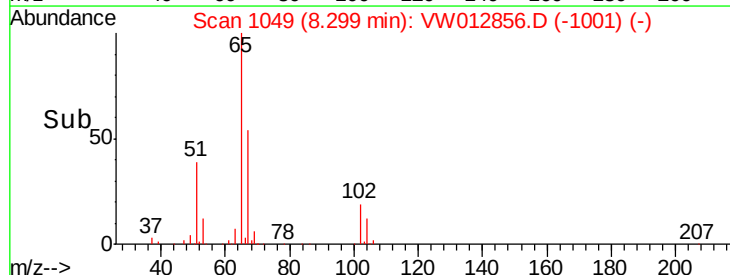
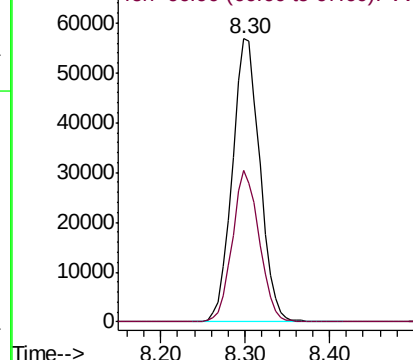
Ion Ratio Lower Upper

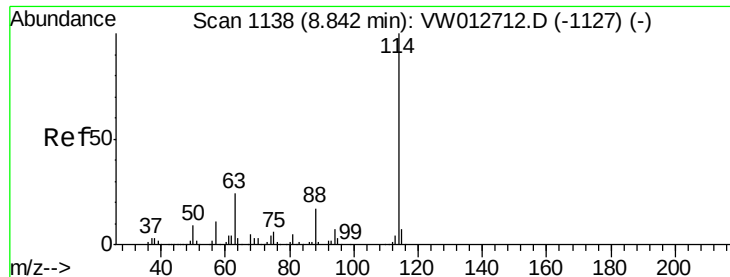
65 100

67 52.2 0.0 101.8



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: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(4)

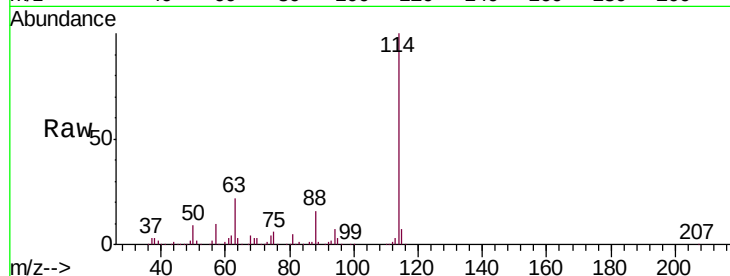
Tgt Ion:114 Resp: 401454

Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.2

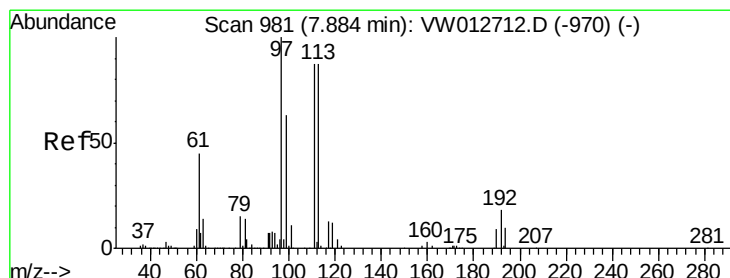
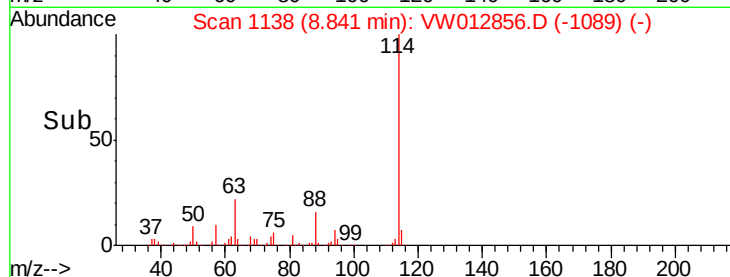
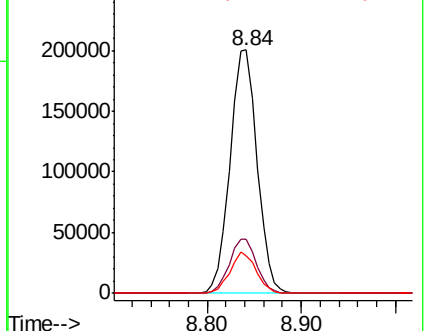
88 15.7 0.0 34.0



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: 47.218 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

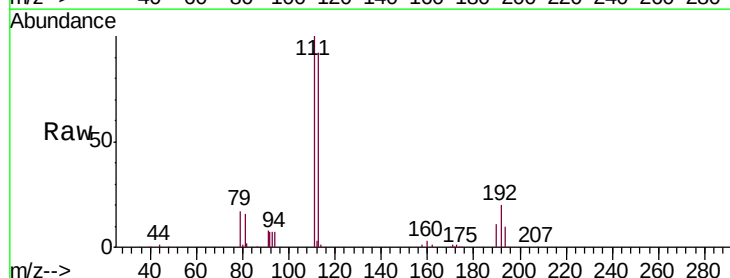
Tgt Ion:113 Resp: 112699

Ion Ratio Lower Upper

113 100

111 104.0 80.2 120.4

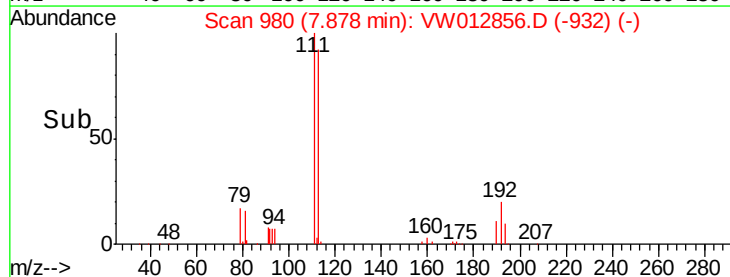
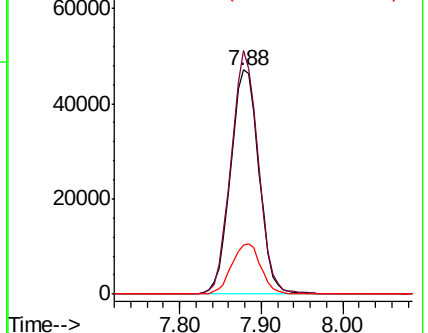
192 22.9 17.3 25.9

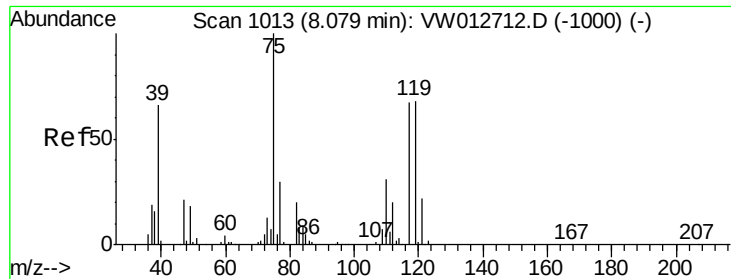


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

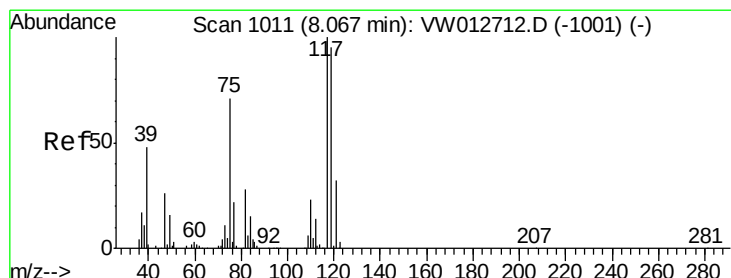
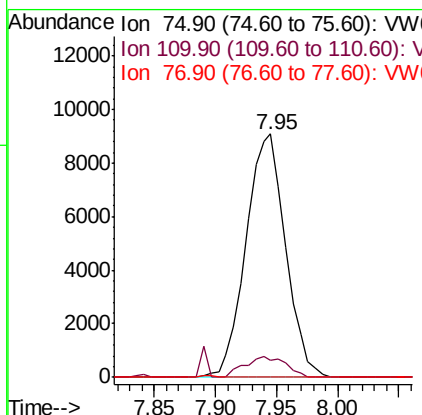
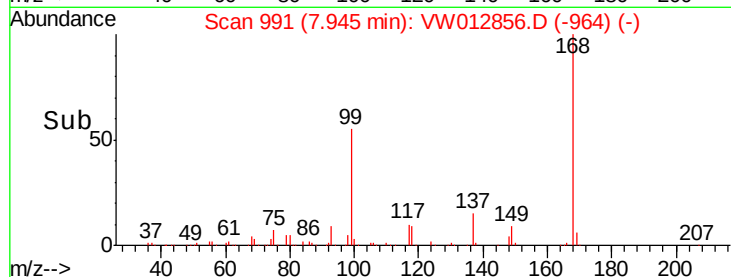
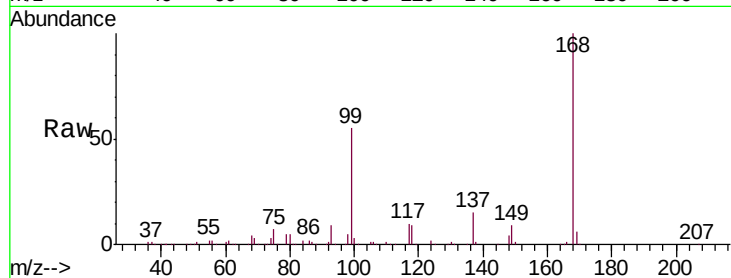




#36
 1,1-Dichloropropene
 Concen: 5.724 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012856.D
 Acq: 10 Sep 2019 07:05

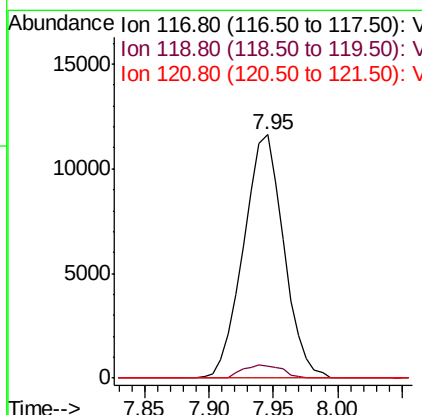
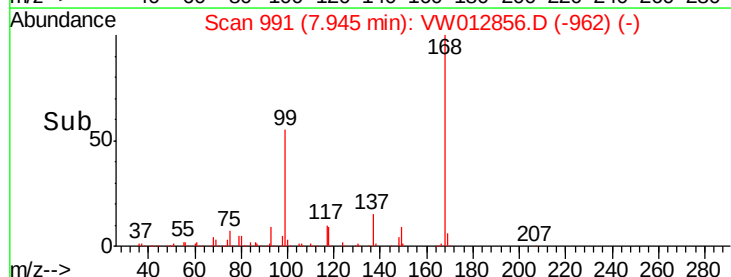
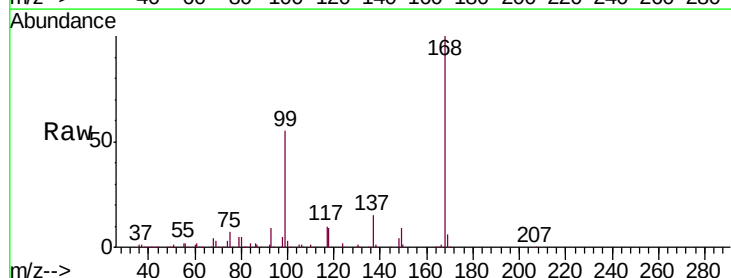
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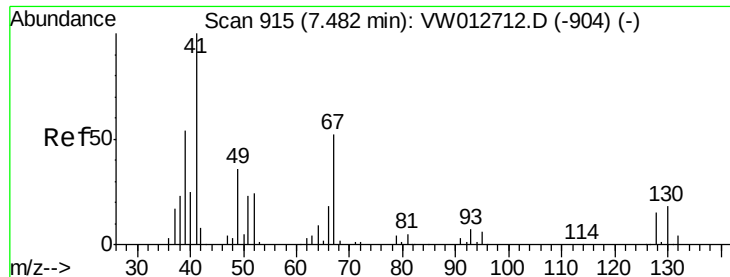
Tgt Ion: 75 Resp: 20417
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.9 47.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.144 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012856.D
 Acq: 10 Sep 2019 07:05

Tgt Ion: 117 Resp: 25118
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 25.4 38.2#

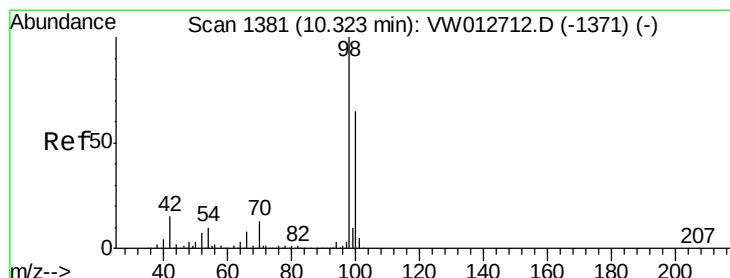
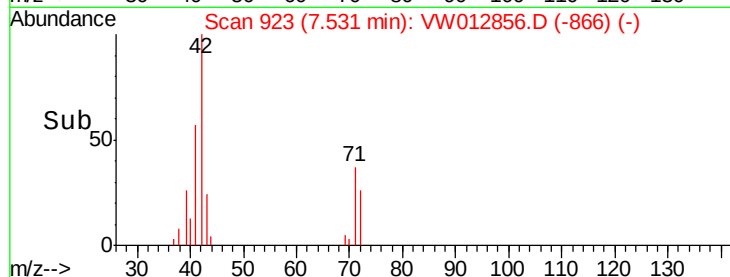
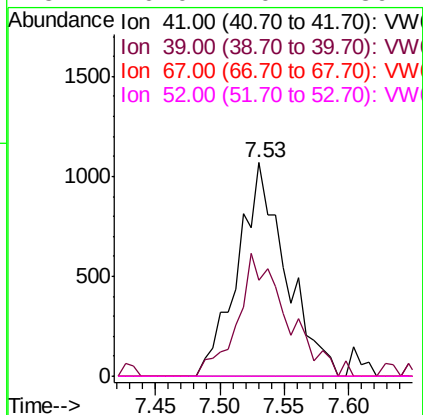
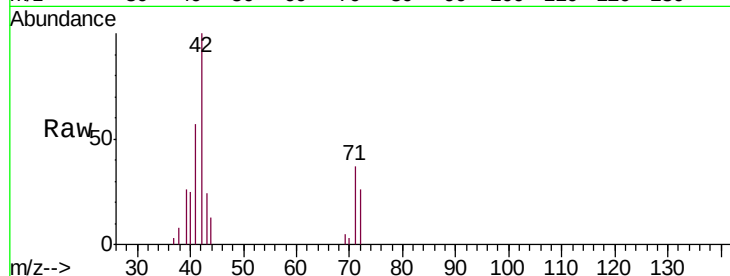




#41
Methacrylonitrile
Concen: 5.491 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012856.D
Acq: 10 Sep 2019 07:05

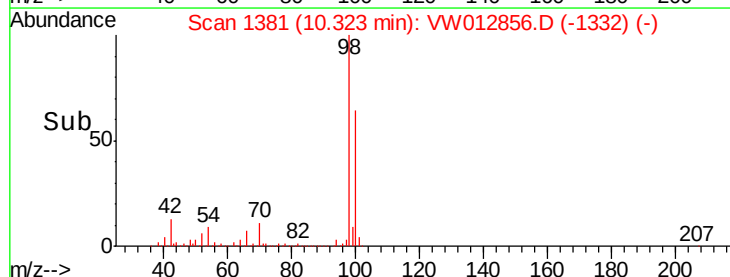
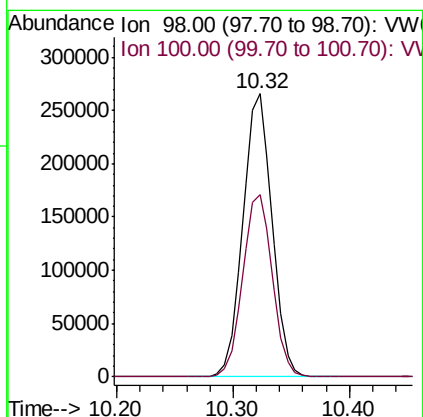
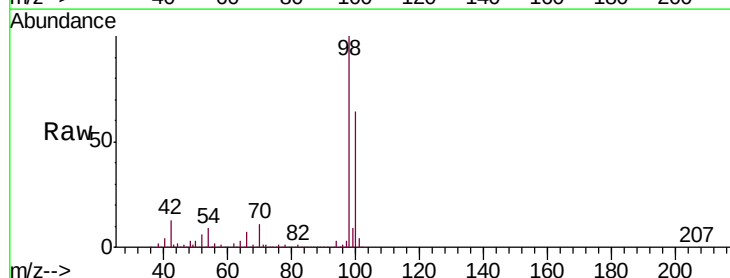
Instrument :
MSVOA_W
ClientSampleId :
T11-E4-(4)

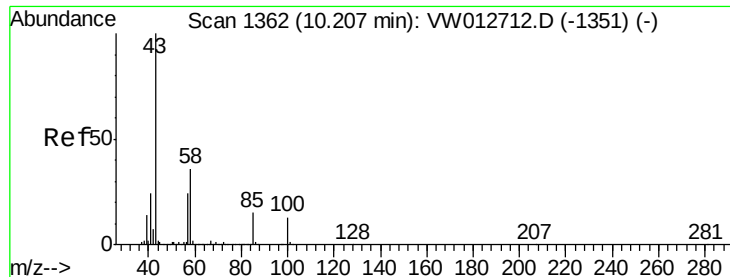
Tgt Ion:	41	Resp:	2767
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 49.750 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012856.D
Acq: 10 Sep 2019 07:05

Tgt Ion:	98	Resp:	465199
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 1.197 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

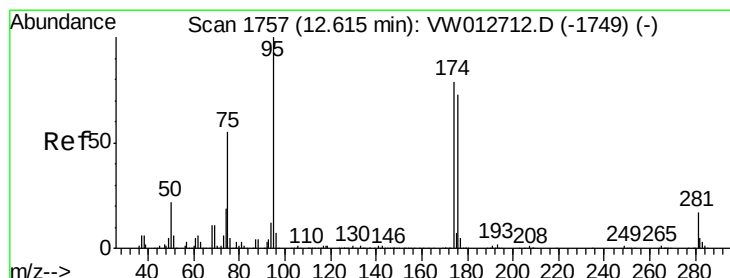
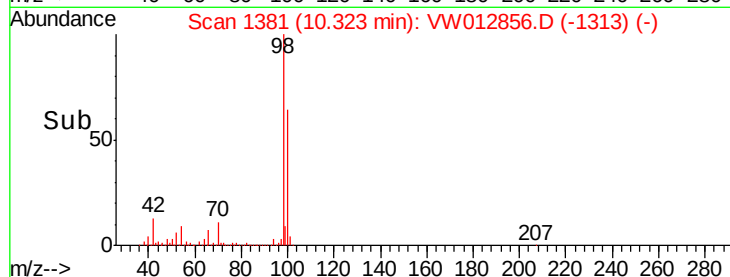
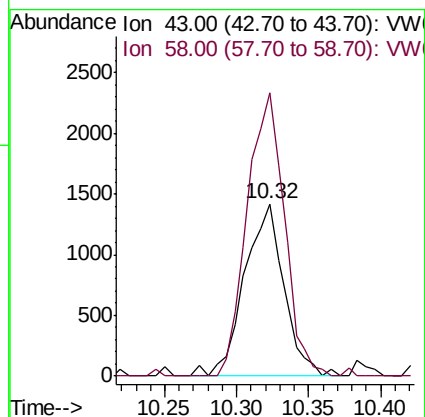
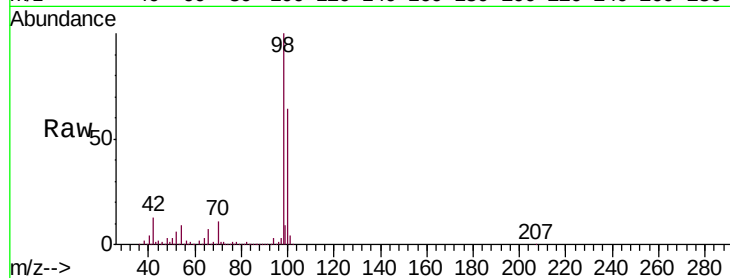
T11-E4-(4)

Tgt Ion: 43 Resp: 2706

Ion Ratio Lower Upper

43 100

58 154.2 28.4 42.6#



#62

4-Bromofluorobenzene

Concen: 37.860 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

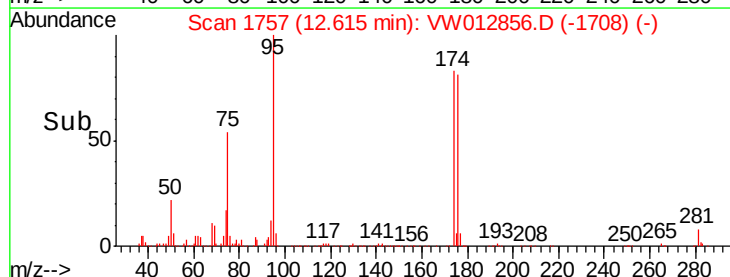
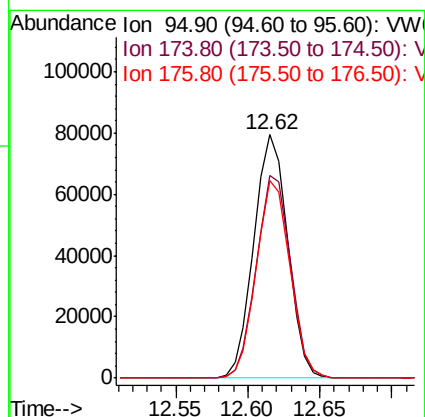
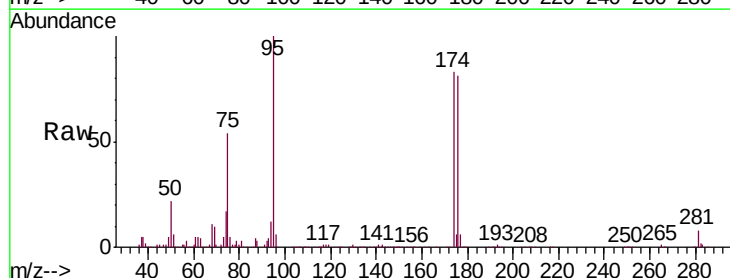
Tgt Ion: 95 Resp: 128519

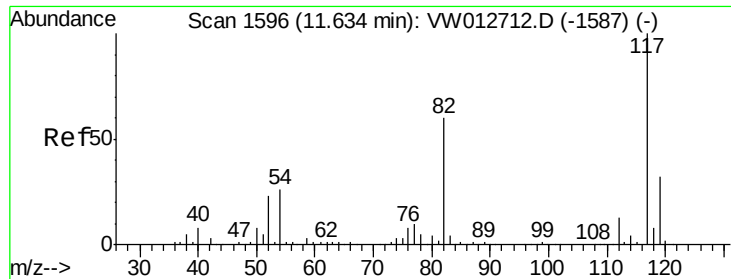
Ion Ratio Lower Upper

95 100

174 84.7 0.0 161.0

176 81.2 0.0 156.4

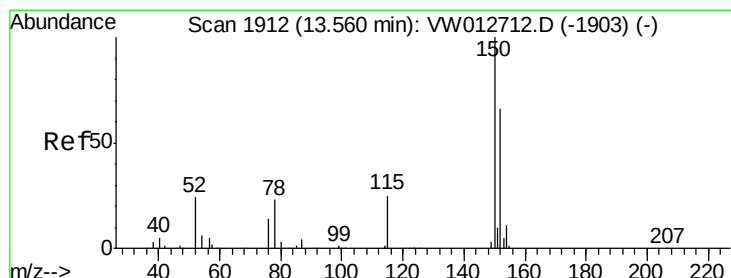
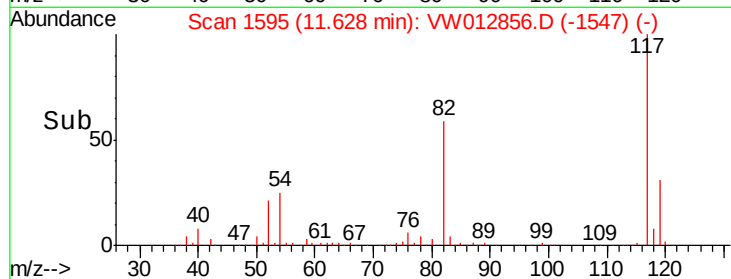
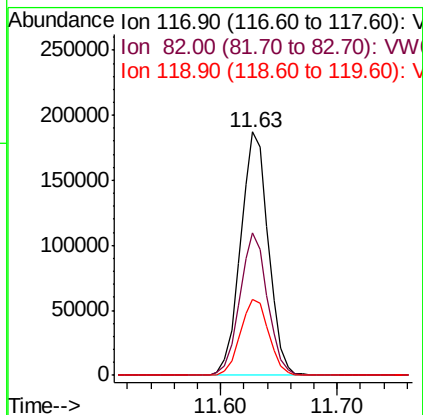
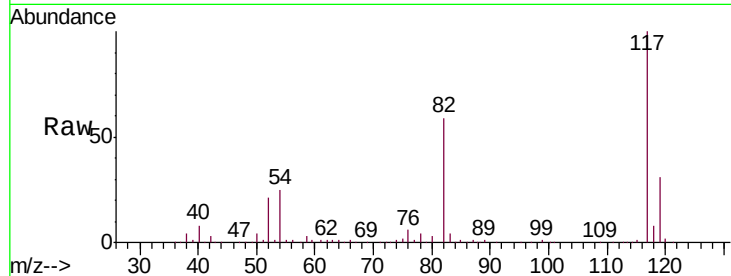




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012856.D
Acq: 10 Sep 2019 07:05

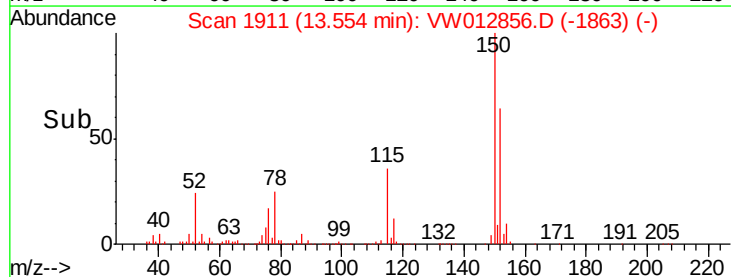
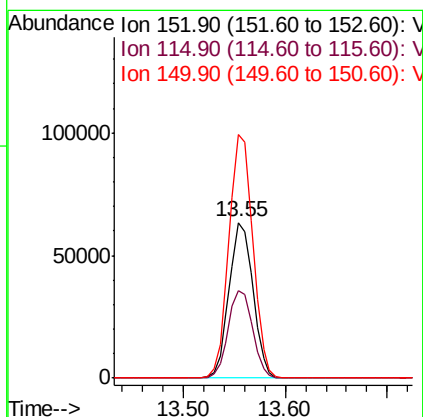
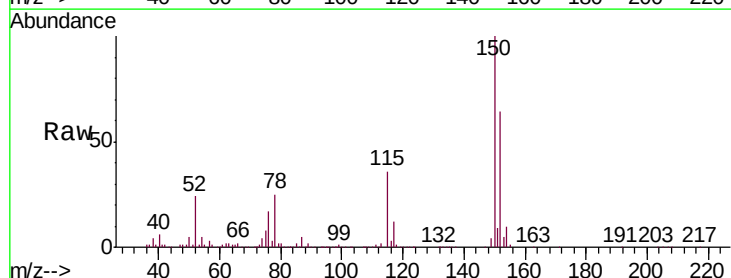
Instrument :
MSVOA_W
ClientSampleId :
T11-E4-(4)

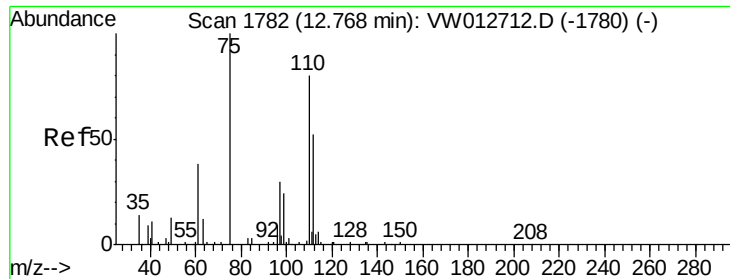
Tgt Ion:117 Resp: 311003
Ion Ratio Lower Upper
117 100
82 58.5 48.2 72.4
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012856.D
Acq: 10 Sep 2019 07:05

Tgt Ion:152 Resp: 103173
Ion Ratio Lower Upper
152 100
115 57.4 30.0 90.1
150 155.6 0.0 349.0

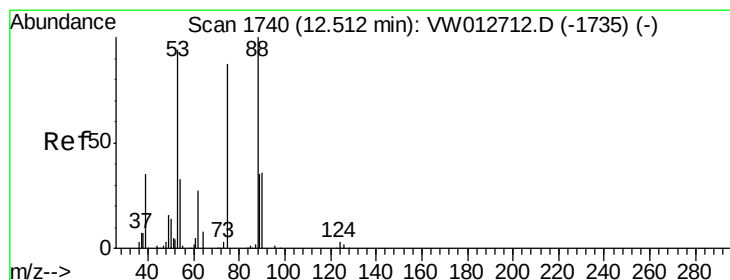
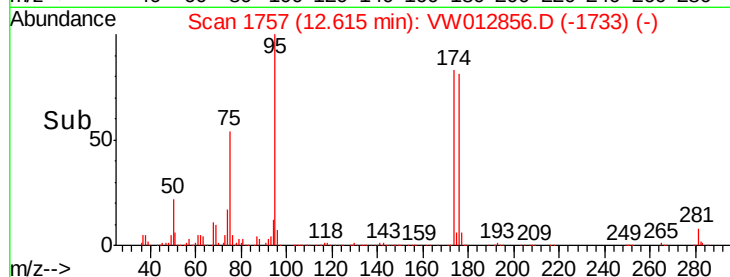
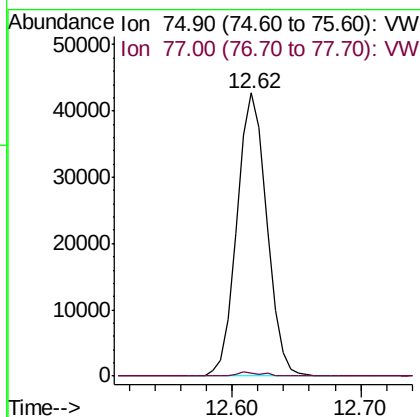
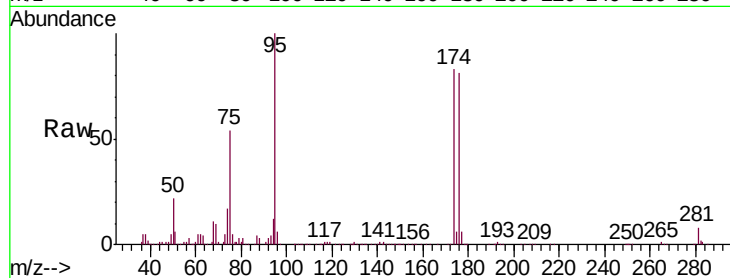




#76
 1,2,3-Trichloropropane
 Concen: 64.912 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012856.D
 Acq: 10 Sep 2019 07:05

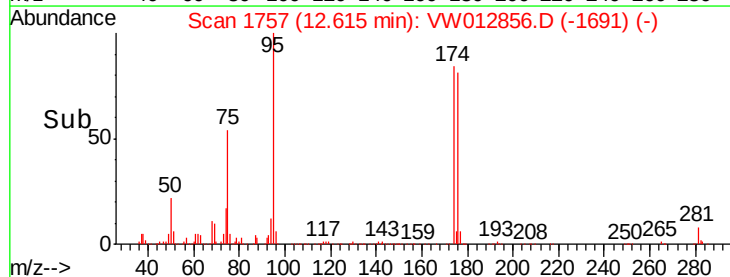
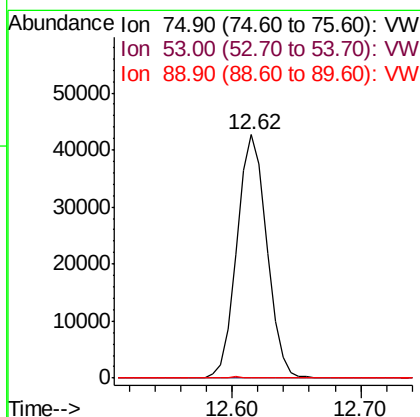
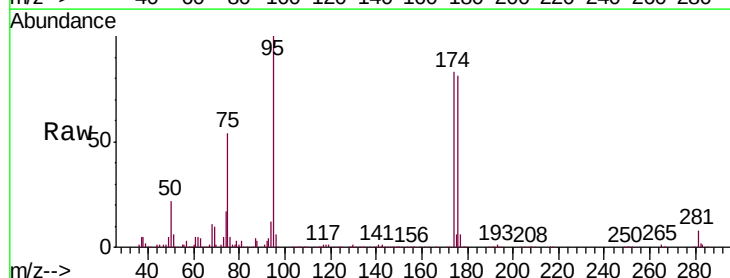
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E4-(4)

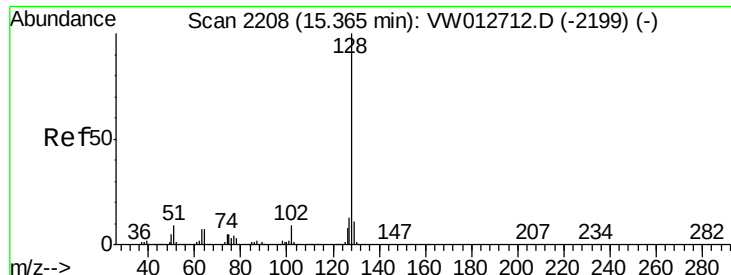
Tgt Ion: 75 Resp: 68481
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.292 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012856.D
 Acq: 10 Sep 2019 07:05

Tgt Ion: 75 Resp: 68481
 Ion Ratio Lower Upper
 75 100
 53 0.3 87.6 131.4#
 89 0.1 35.5 53.3#





#95

Naphthalene

Concen: 4.466 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012856.D

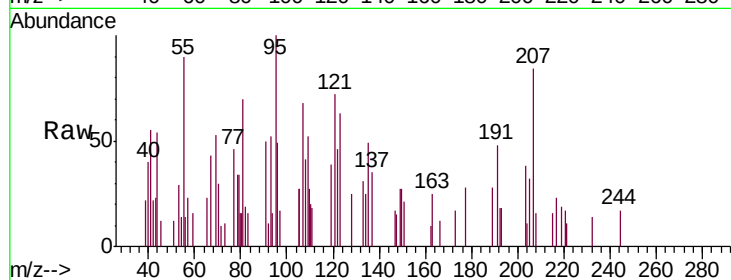
Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(4)



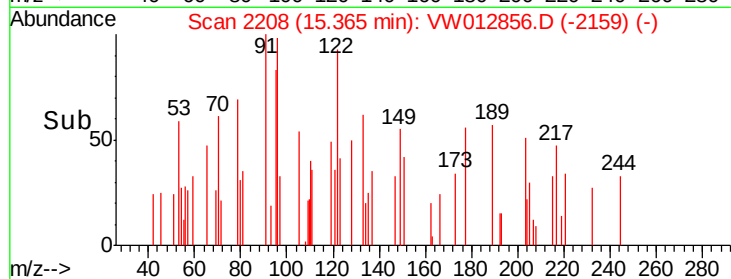
Tgt Ion:128 Resp: 127

Ion Ratio Lower Upper

128 100

127 0.0 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

