

Data File : VW012850.D
Acq On : 10 Sep 2019 04:30
Operator : SY/VA
Sample : K4644-10
Misc : 5.17G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(0)

Quant Time: Sep 10 07:10:38 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	269461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	141137	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	7.88	113	118273	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.32	98	462071	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	125147	36.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.78%	

Target Compounds

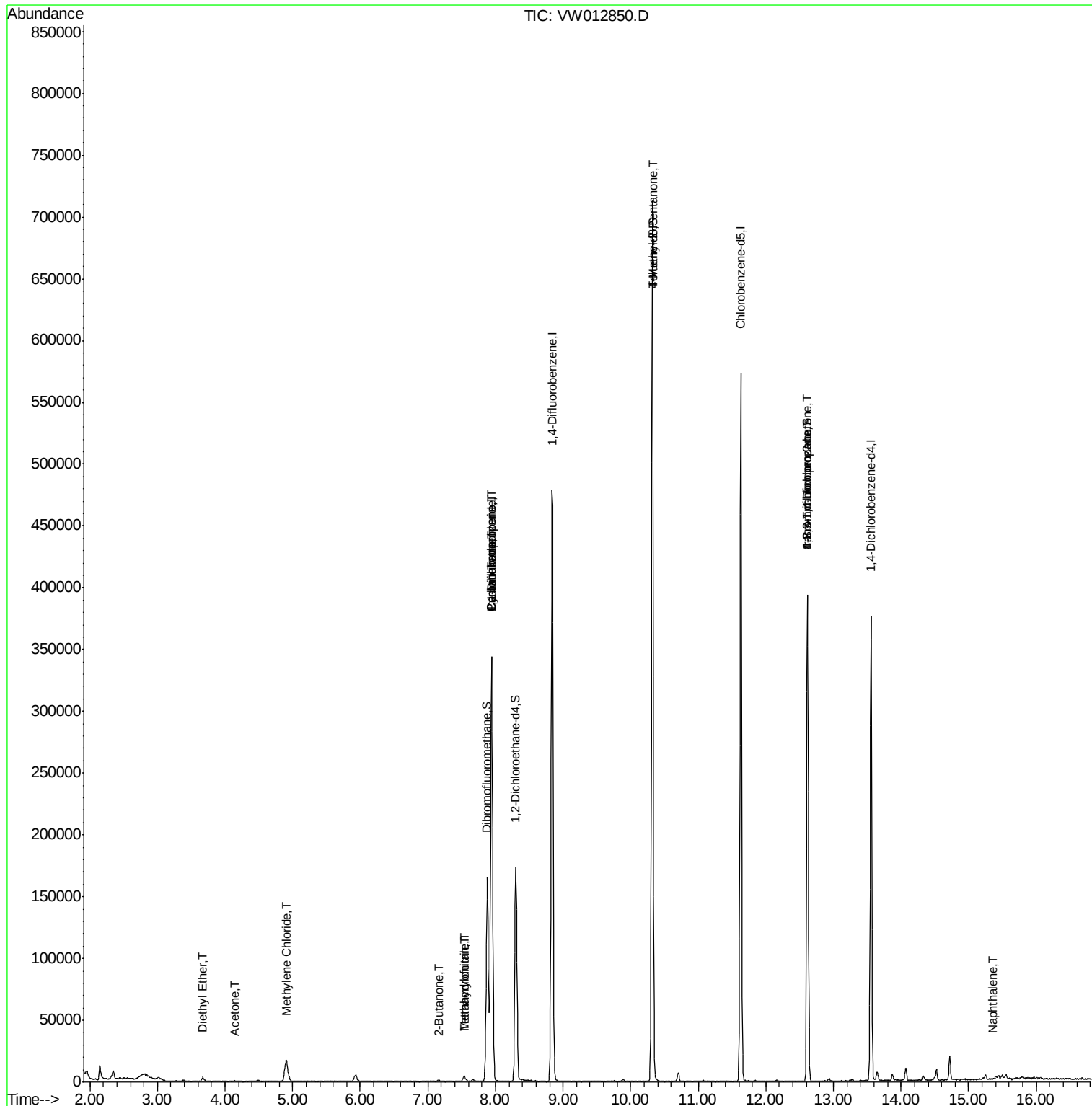
						Qvalue
8) Diethyl Ether	3.67	74	1640	1.299	ug/l	76
16) Acetone	4.14	43	1046	1.274	ug/l #	74
20) Methylene Chloride	4.91	84	12692	4.943	ug/l	95
25) 2-Butanone	7.17	43	70	19.734	ug/l #	53
29) Tetrahydrofuran	7.54	42	3591	5.418	ug/l	94
31) Cyclohexane	7.94	56	5574	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19860	5.572	ug/l #	52
38) Carbon Tetrachloride	7.94	117	25598	7.285	ug/l #	15
41) Methacrylonitrile	7.53	41	2249	5.183	ug/l #	58
51) 4-Methyl-2-Pentanone	10.32	43	2617	1.159	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	64969	63.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64969	134.425	ug/l #	6
95) Naphthalene	15.36	128	223	4.487	ug/l #	69

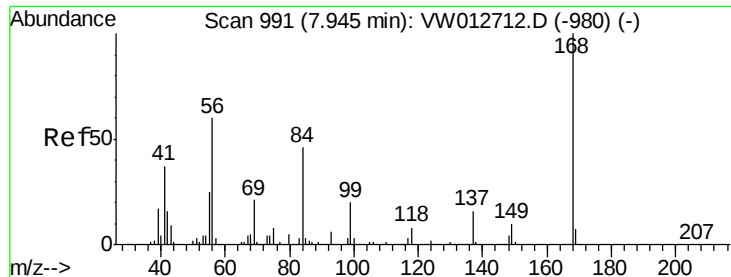
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012850.D

Acq: 10 Sep 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

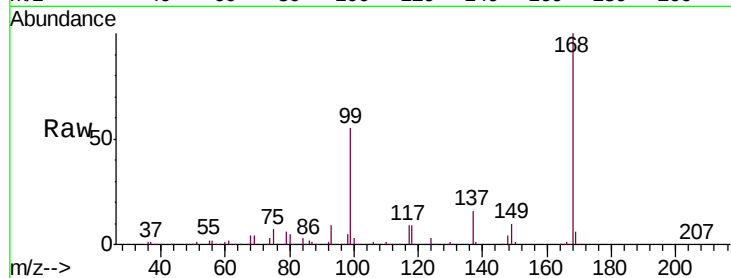
T11-E2-(0)

Tgt Ion:168 Resp: 269461

Ion Ratio Lower Upper

168 100

99 54.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

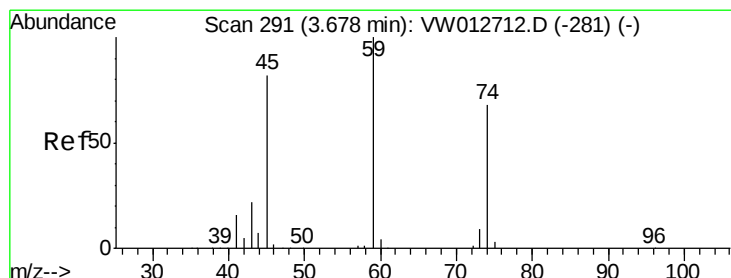
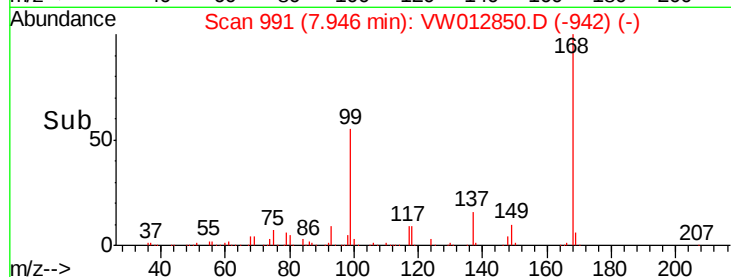
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.299 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012850.D

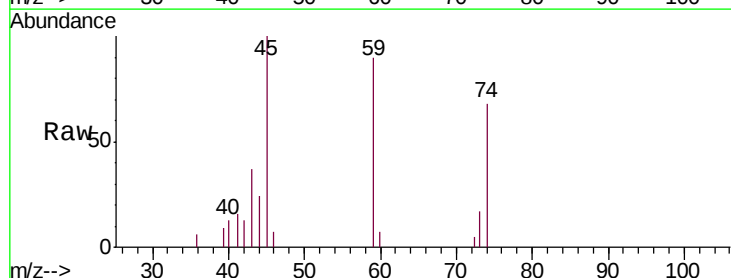
Acq: 10 Sep 2019 04:30

Tgt Ion: 74 Resp: 1640

Ion Ratio Lower Upper

74 100

45 144.0 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

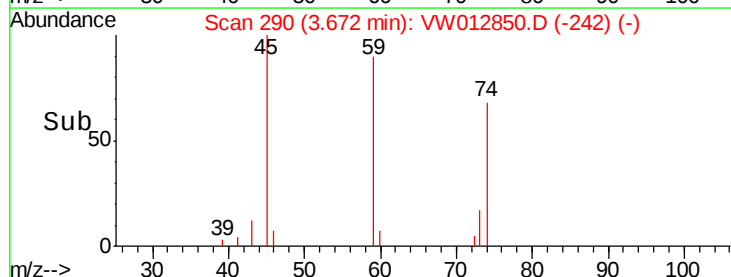
600

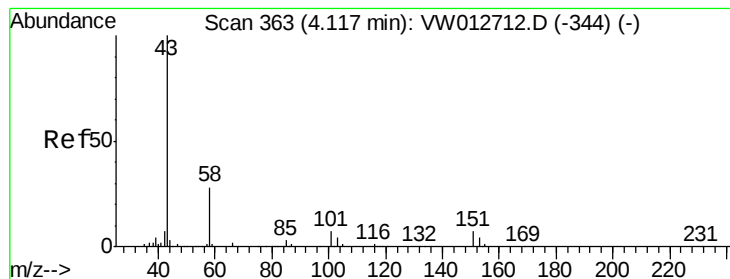
400

200

0

Time-->





#16

Acetone

Concen: 1.274 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012850.D

Acq: 10 Sep 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

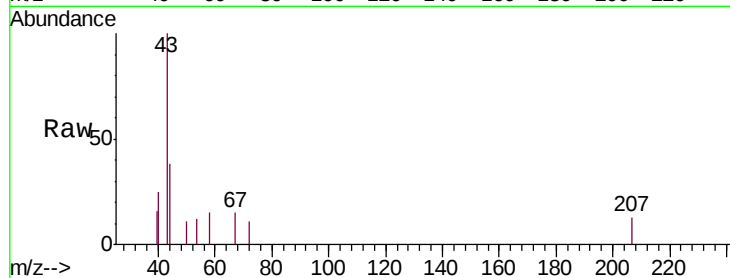
T11-E2-(0)

Tgt Ion: 43 Resp: 1046

Ion Ratio Lower Upper

43 100

58 14.7 22.6 33.8#



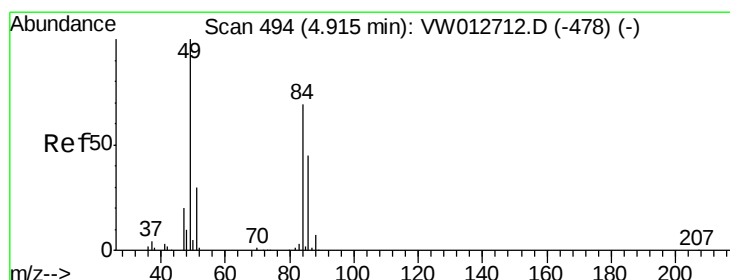
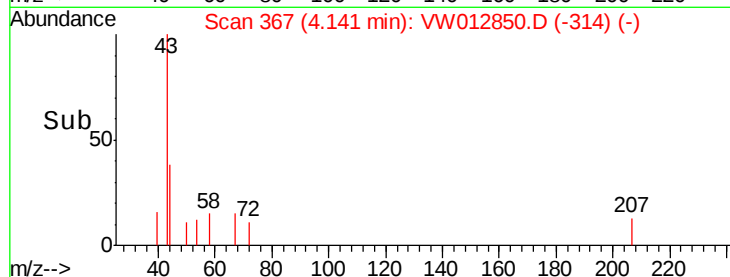
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 4.943 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012850.D

Acq: 10 Sep 2019 04:30

Tgt Ion: 84 Resp: 12692

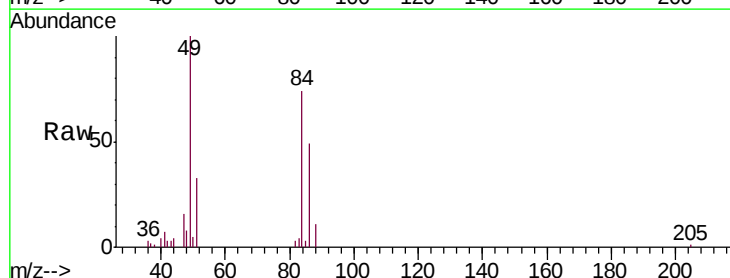
Ion Ratio Lower Upper

84 100

49 135.0 115.4 173.0

51 44.0 34.9 52.3

86 66.7 52.2 78.4



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

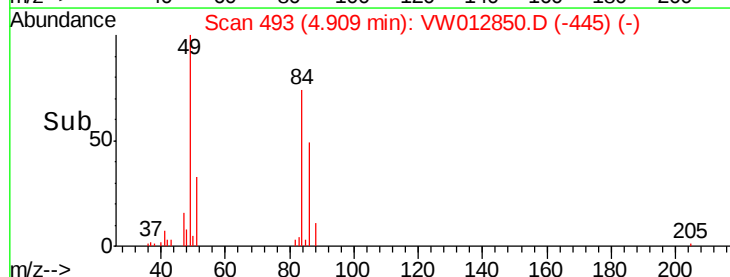
Ion 50.90 (50.60 to 51.60): VW

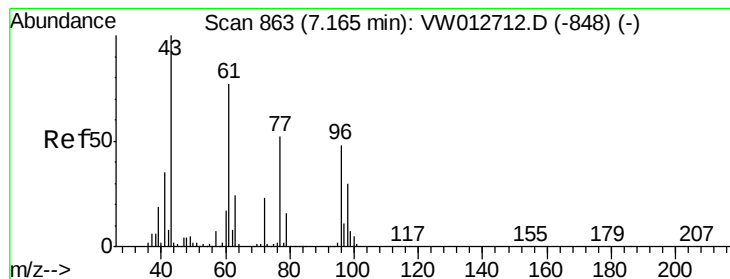
Ion 85.90 (85.60 to 86.60): VW

4.91

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 19.734 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012850.D

Acq: 10 Sep 2019 04:30

Instrument :

MSVOA_W

ClientSampled :

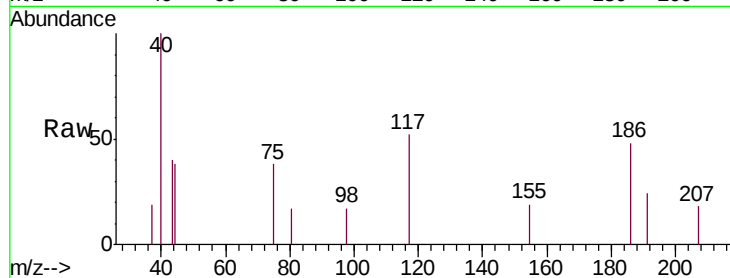
T11-E2-(0)

Tgt Ion: 43 Resp: 70

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

7.17

150

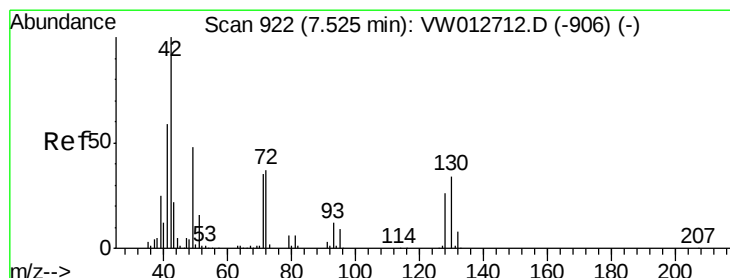
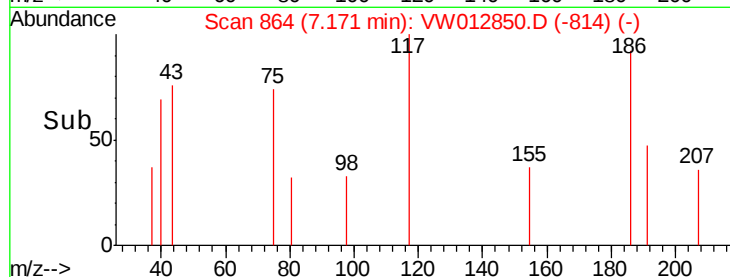
100

50

0

7.15 7.16 7.17 7.18 7.19

Time-->



#29

Tetrahydrofuran

Concen: 5.418 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012850.D

Acq: 10 Sep 2019 04:30

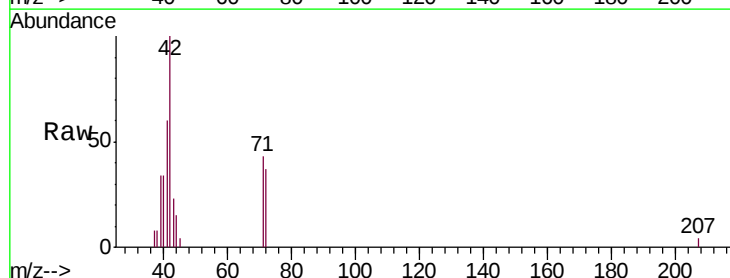
Tgt Ion: 42 Resp: 3591

Ion Ratio Lower Upper

42 100

72 36.0 28.4 42.6

71 40.1 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

1500

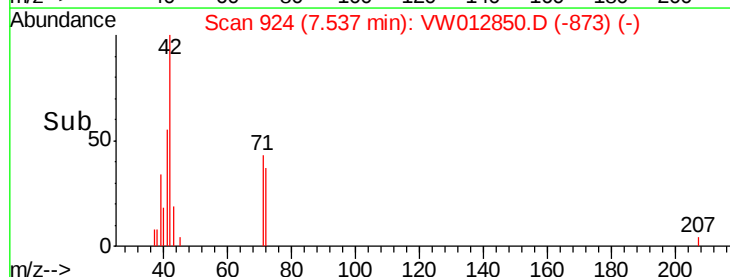
1000

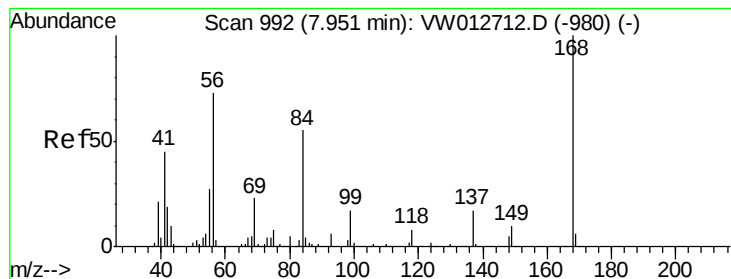
500

0

7.50 7.54 7.60

Time-->





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012850.D

Acq: 10 Sep 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

T11-E2-(0)

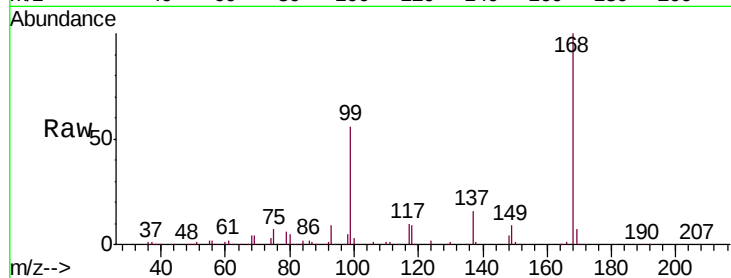
Tgt Ion: 56 Resp: 5574

Ion Ratio Lower Upper

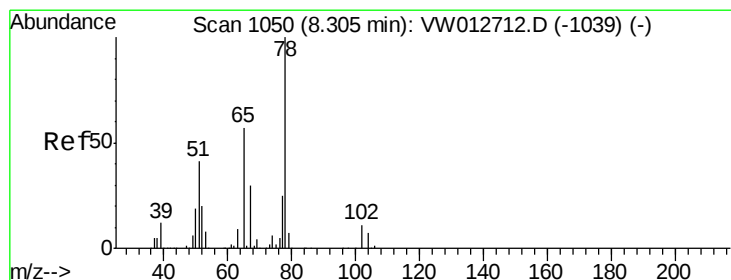
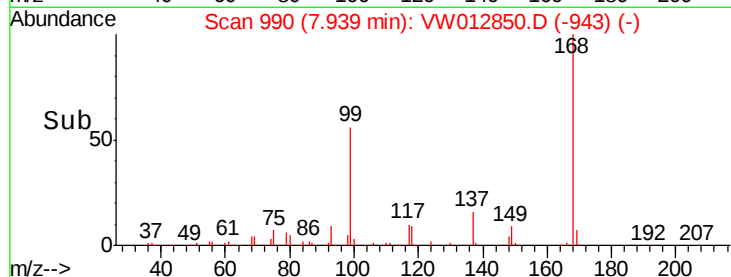
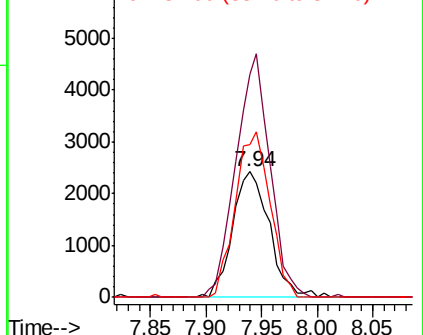
56 100

69 178.3 25.7 38.5#

84 121.6 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: 46.877 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012850.D

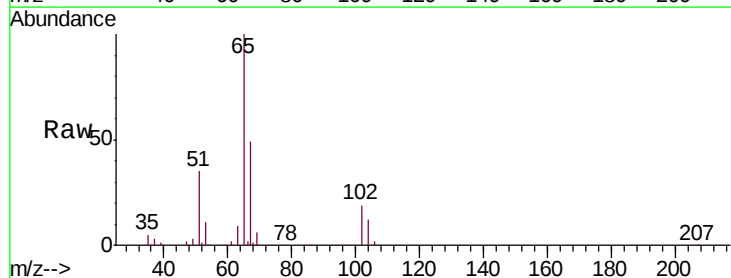
Acq: 10 Sep 2019 04:30

Tgt Ion: 65 Resp: 141137

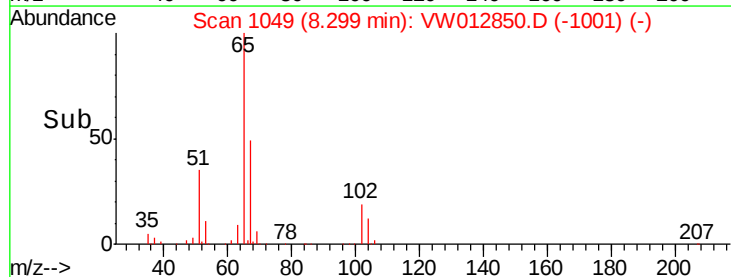
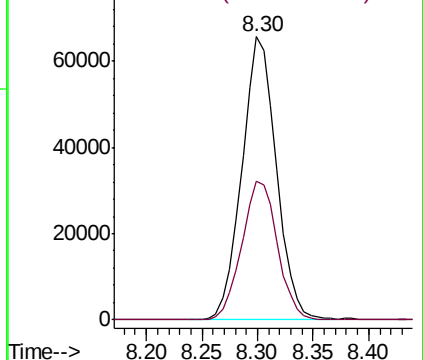
Ion Ratio Lower Upper

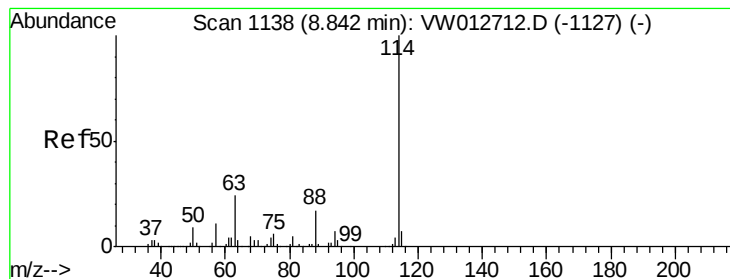
65 100

67 50.9 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# 1137

Delta R.T. -0.01 min

Lab File: VW012850.D

Acq: 10 Sep 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

T11-E2-(0)

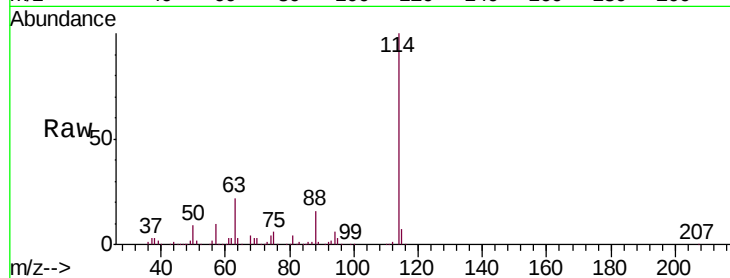
Tgt Ion:114 Resp: 401171

Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.2

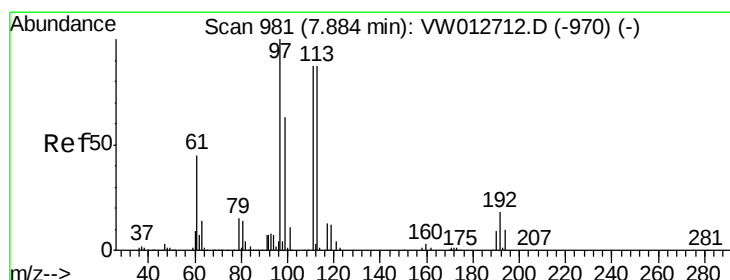
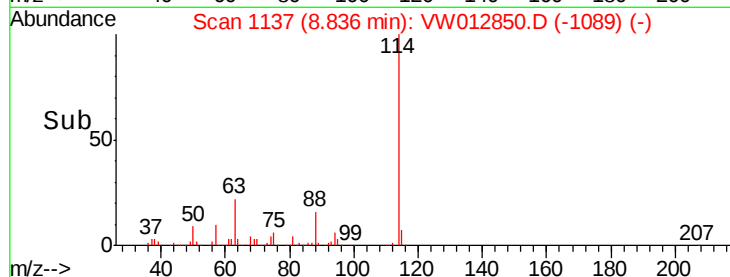
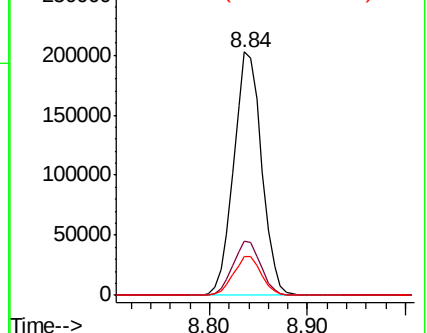
88 15.9 0.0 34.0



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: 49.589 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012850.D

Acq: 10 Sep 2019 04:30

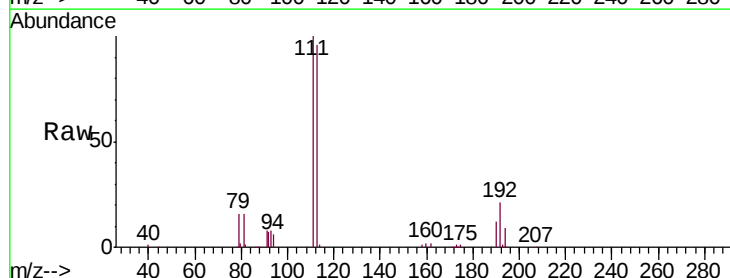
Tgt Ion:113 Resp: 118273

Ion Ratio Lower Upper

113 100

111 102.7 80.2 120.4

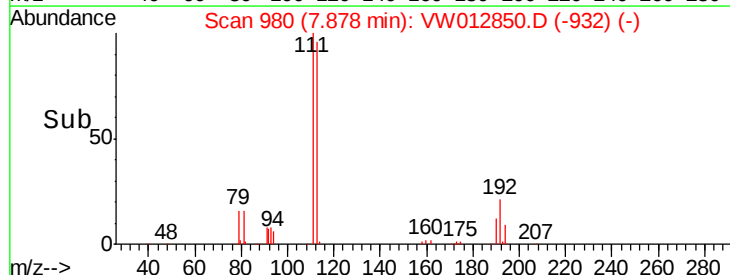
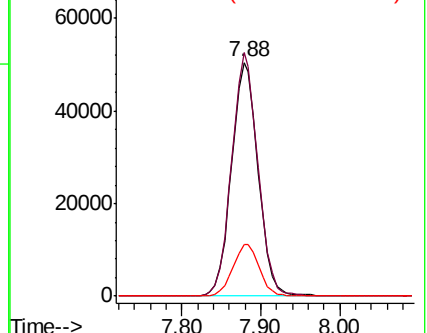
192 21.8 17.3 25.9

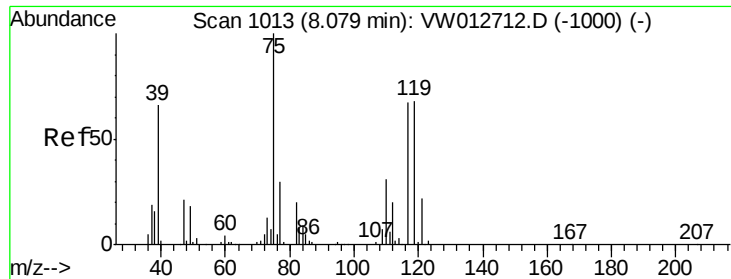


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

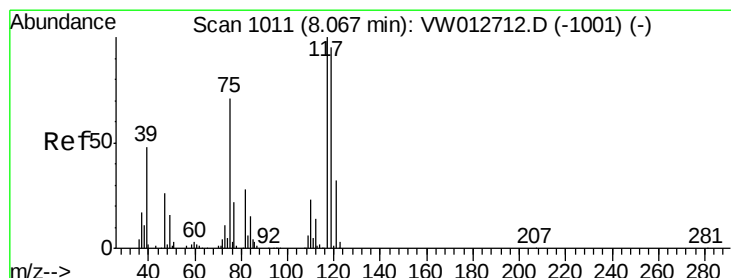
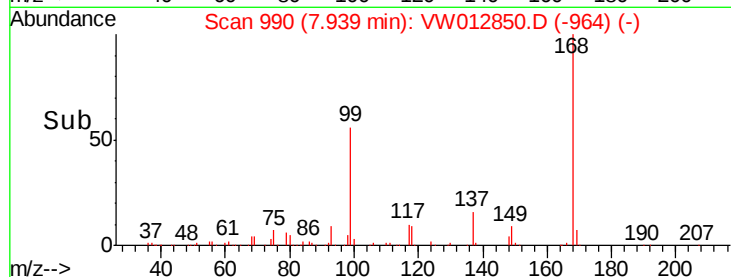
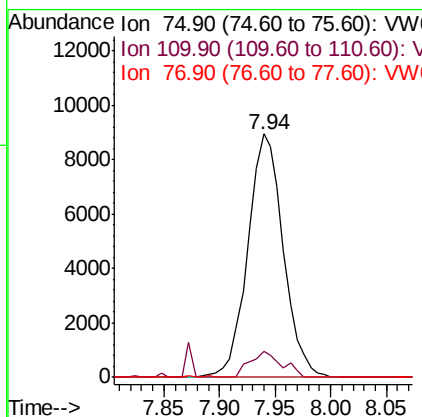
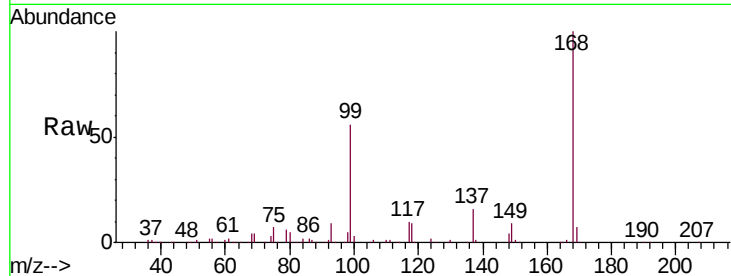




#36
 1,1-Dichloropropene
 Concen: 5.572 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012850.D
 Acq: 10 Sep 2019 04:30

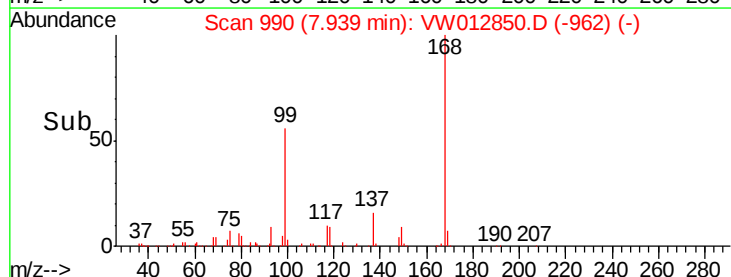
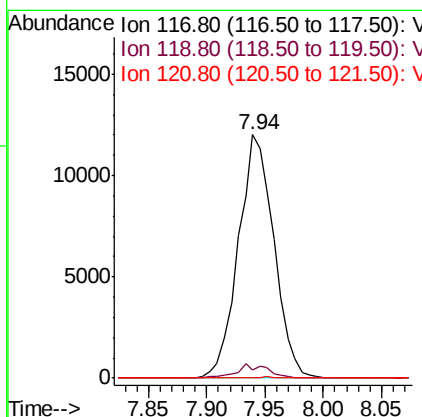
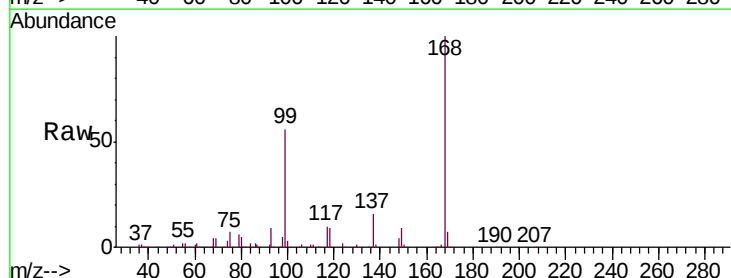
Instrument :
 MSVOA_W
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 T11-E2-(0)

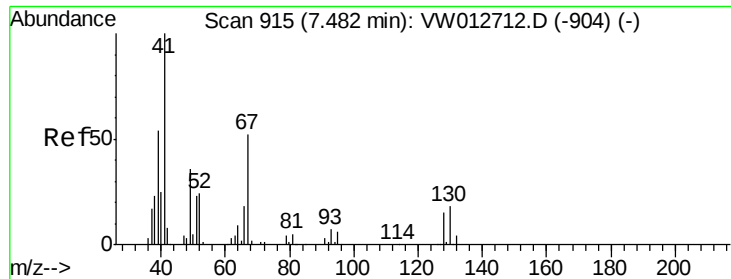
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.285 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012850.D
 Acq: 10 Sep 2019 04:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	76.2	114.2#
121	0.0	25.4	38.2#

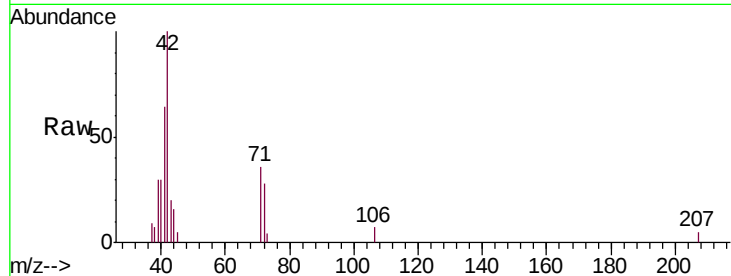




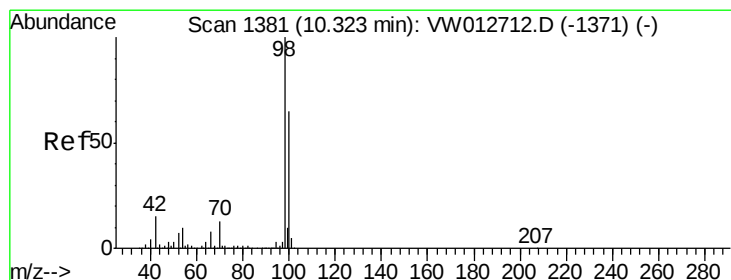
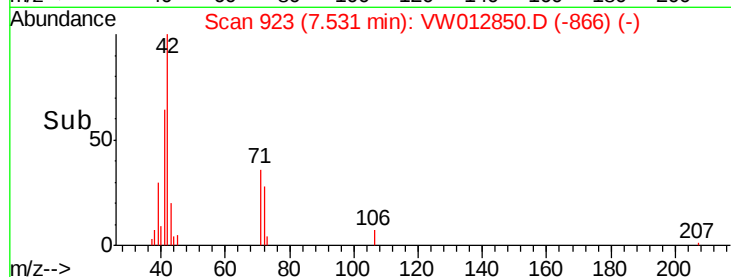
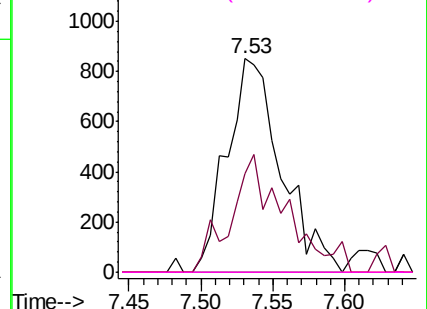
#41
Methacrylonitrile
Concen: 5.183 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012850.D
Acq: 10 Sep 2019 04:30

Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(0)

Tgt Ion:	41	Resp:	2249
Ion	Ratio	Lower	Upper
41	100		
39	55.4	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#

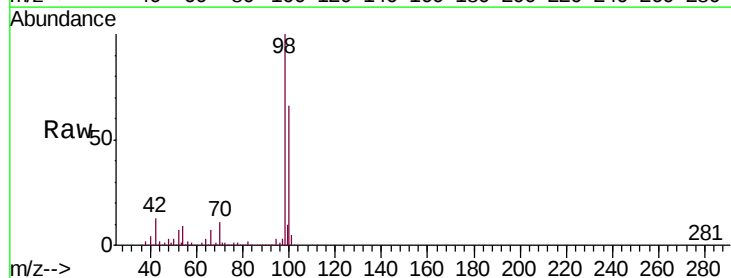


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

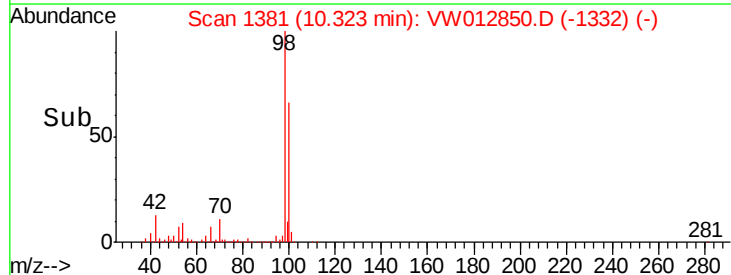
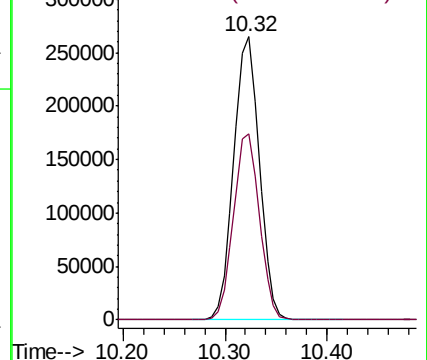


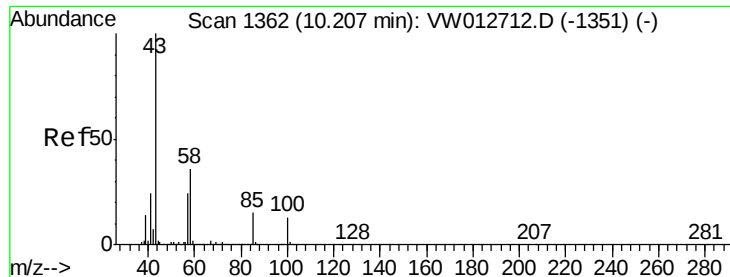
#50
Toluene-d8
Concen: 49.450 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012850.D
Acq: 10 Sep 2019 04:30

Tgt Ion:	98	Resp:	462071
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.2	78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

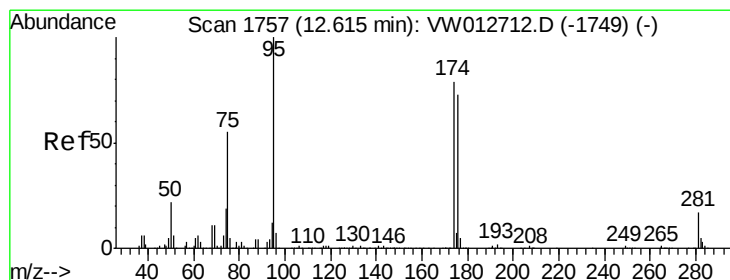
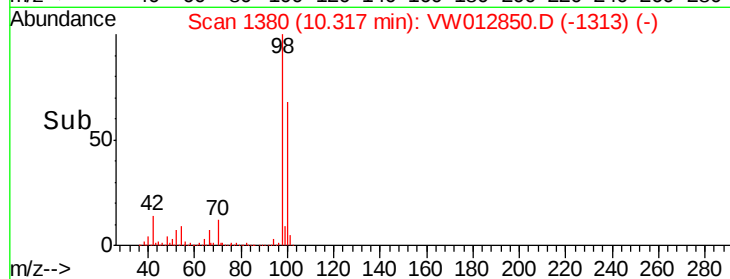
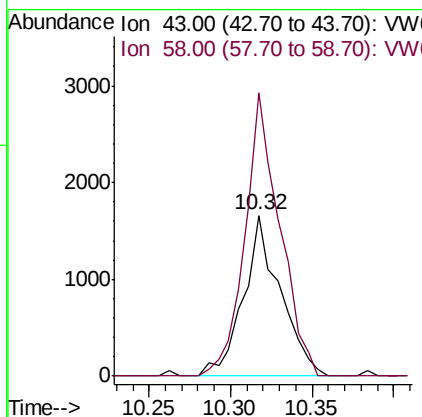
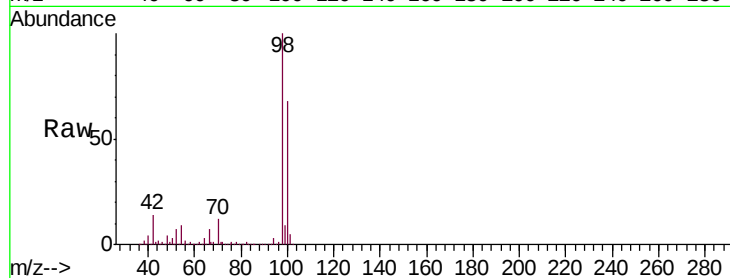




#51
 4-Methyl-2-Pentanone
 Concen: 1.159 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW012850.D
 Acq: 10 Sep 2019 04:30

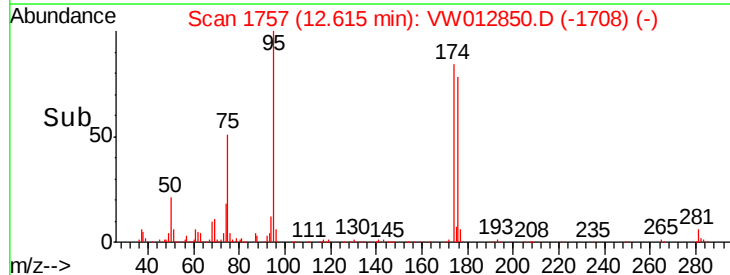
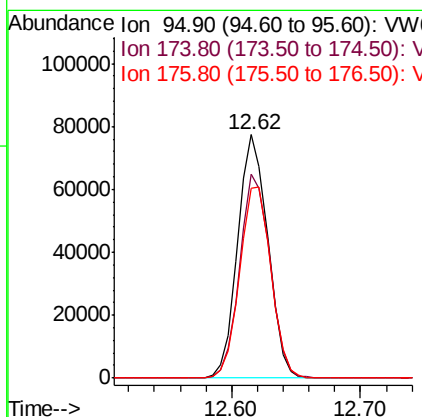
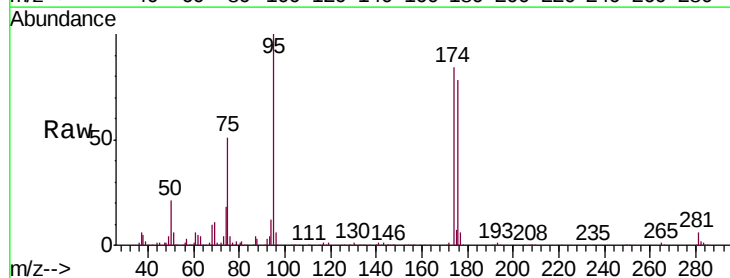
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E2-(0)

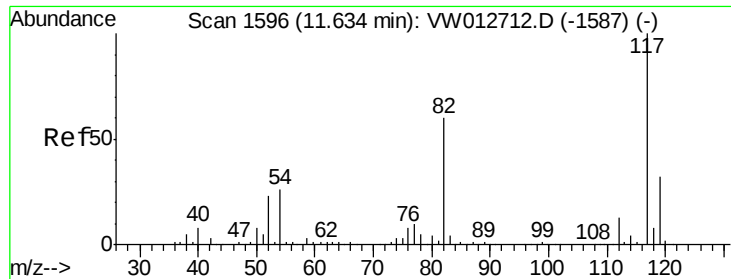
Tgt Ion: 43 Resp: 2617
 Ion Ratio Lower Upper
 43 100
 58 166.0 28.4 42.6#



#62
 4-Bromofluorobenzene
 Concen: 36.892 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012850.D
 Acq: 10 Sep 2019 04:30

Tgt Ion: 95 Resp: 125147
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 161.0
 176 81.4 0.0 156.4

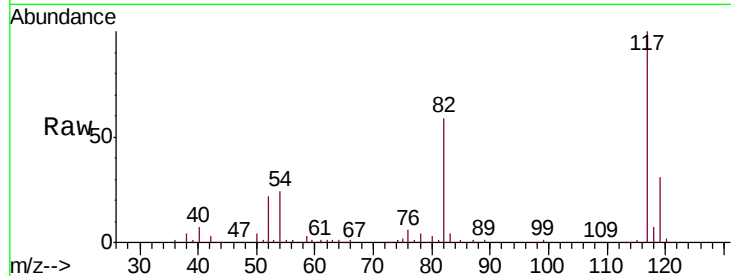




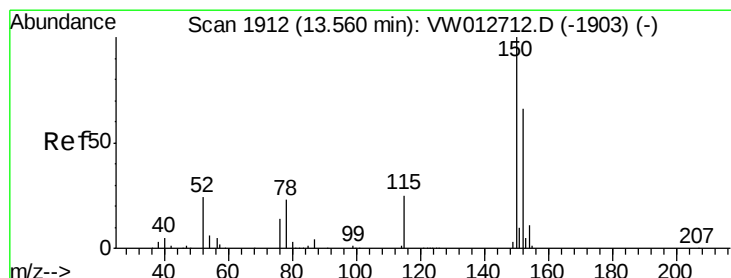
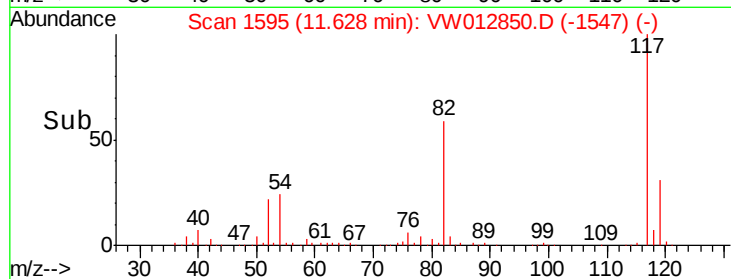
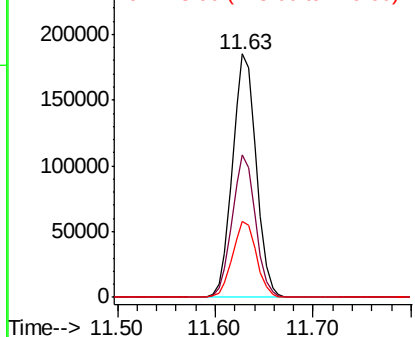
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012850.D
Acq: 10 Sep 2019 04:30

Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(0)

Tgt Ion:117 Resp: 310611
Ion Ratio Lower Upper
117 100
82 58.8 48.2 72.4
119 31.2 25.8 38.6

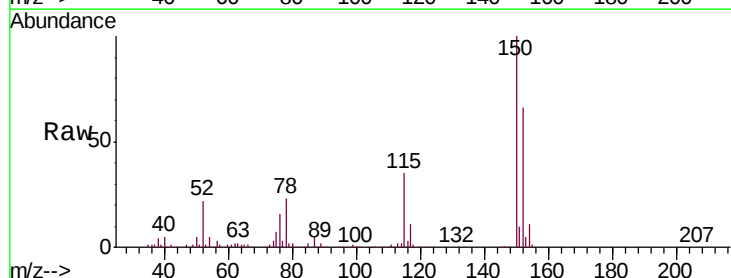


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

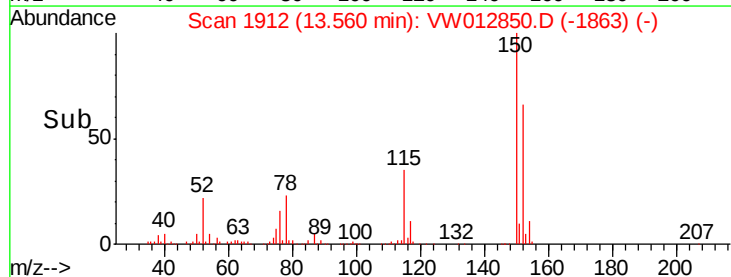
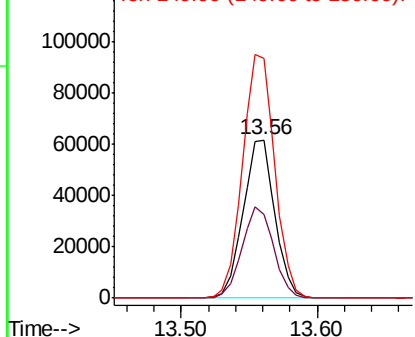


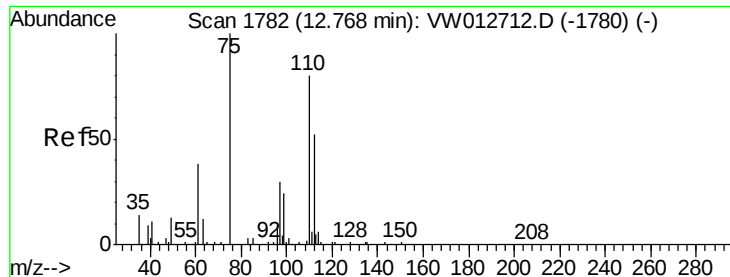
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012850.D
Acq: 10 Sep 2019 04:30

Tgt Ion:152 Resp: 99970
Ion Ratio Lower Upper
152 100
115 57.5 30.0 90.1
150 156.9 0.0 349.0



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

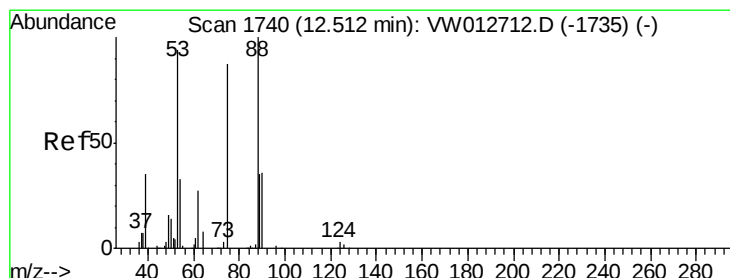
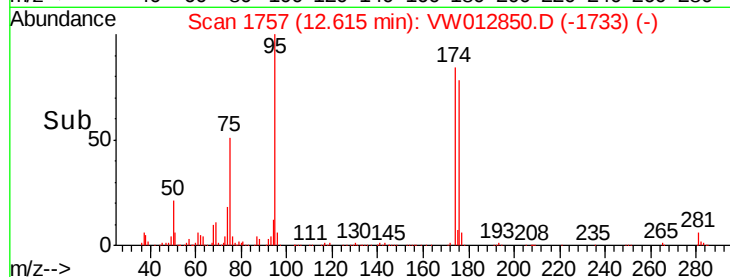
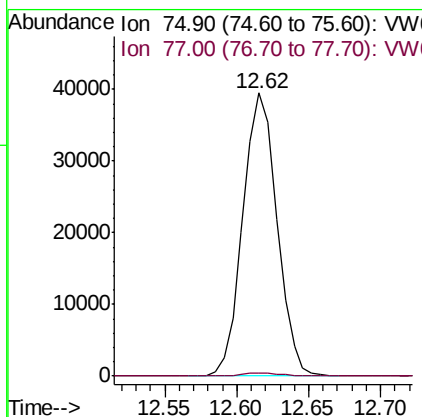
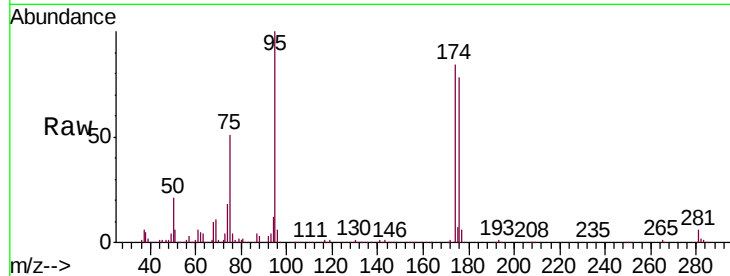




#76
 1,2,3-Trichloropropane
 Concen: 63.556 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012850.D
 Acq: 10 Sep 2019 04:30

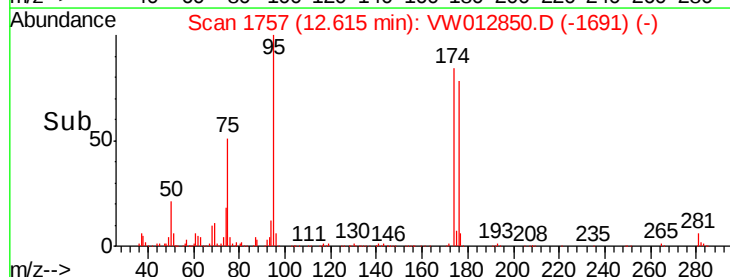
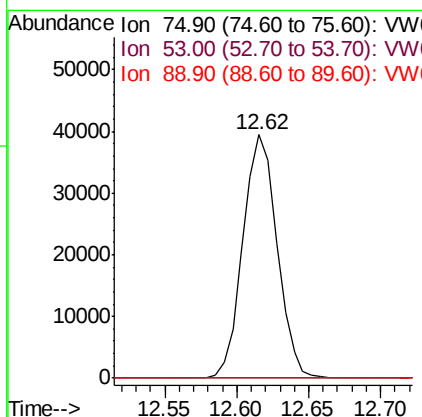
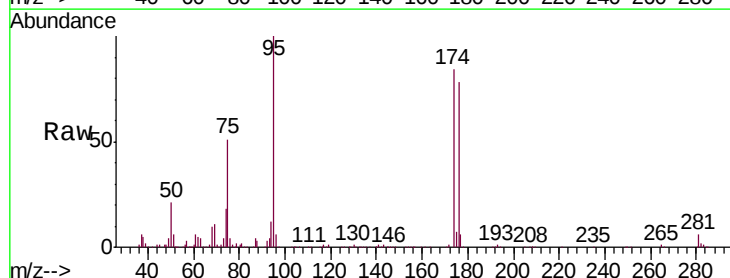
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E2-(0)

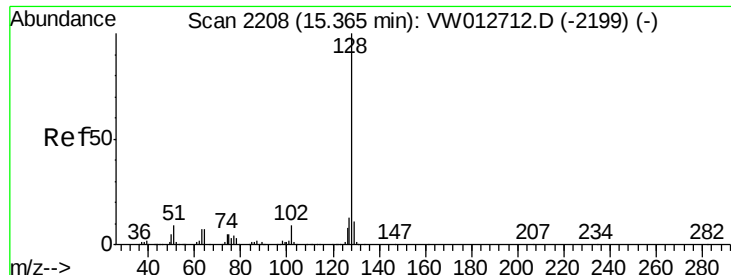
Tgt Ion: 75 Resp: 64969
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.425 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012850.D
 Acq: 10 Sep 2019 04:30

Tgt Ion: 75 Resp: 64969
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.0 35.5 53.3#

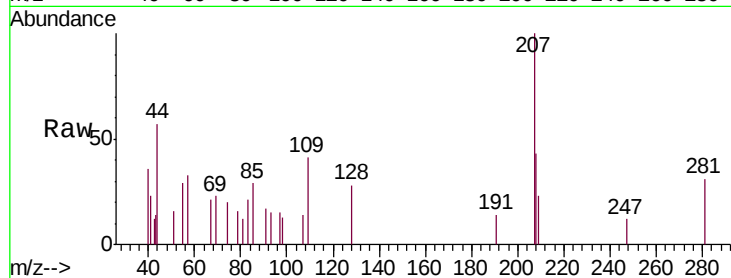




#95
Naphthalene
Concen: 4.487 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012850.D
Acq: 10 Sep 2019 04:30

Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(0)

Tgt 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

