

Data File : VW012849.D
Acq On : 10 Sep 2019 04:04
Operator : SY/VA
Sample : K4644-09
Misc : 2.84G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-E1-(0)

Quant Time: Sep 10 07:10:21 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	256327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88342	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136132	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	7.88	113	112535	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.32	98	441425	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.62	95	116678	35.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.64%	

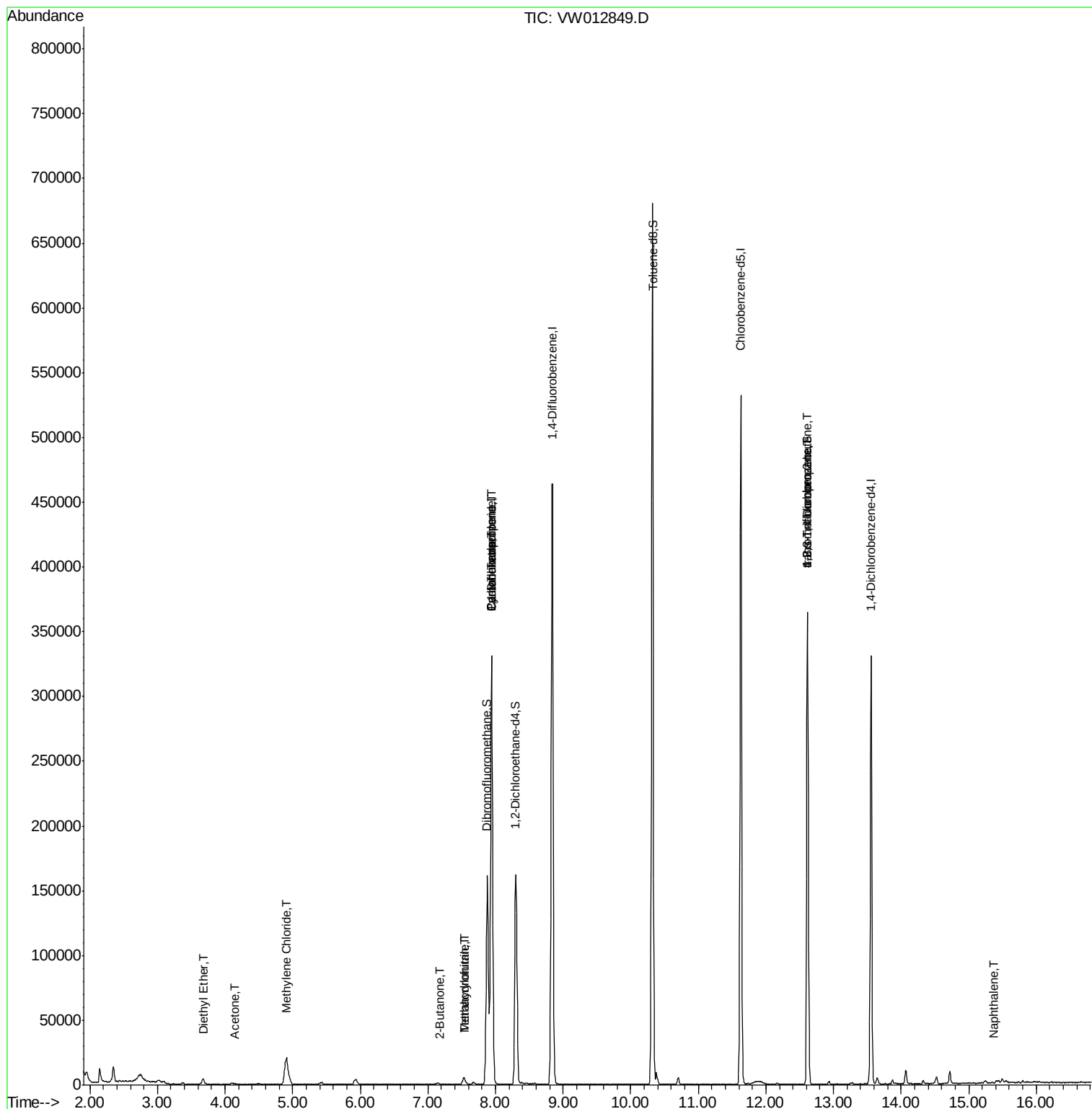
Target Compounds				Qvalue		
8) Diethyl Ether	3.68	74	2013	1.676	ug/l	83
16) Acetone	4.14	43	1621	2.076	ug/l #	81
20) Methylene Chloride	4.91	84	15528	6.357	ug/l	95
25) 2-Butanone	7.18	43	211	19.849	ug/l #	53
29) Tetrahydrofuran	7.54	42	4675	7.415	ug/l	97
31) Cyclohexane	7.94	56	5333	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18850	5.430	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24409	7.133	ug/l #	16
41) Methacrylonitrile	7.54	41	2939	5.643	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	59985	66.404	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59985	140.449	ug/l #	6
95) Naphthalene	15.37	128	54	4.452	ug/l #	69

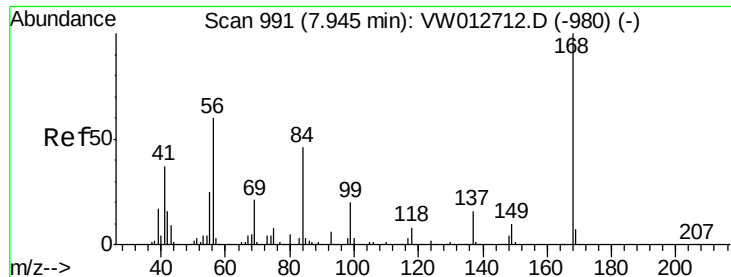
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012849.D

Acq: 10 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

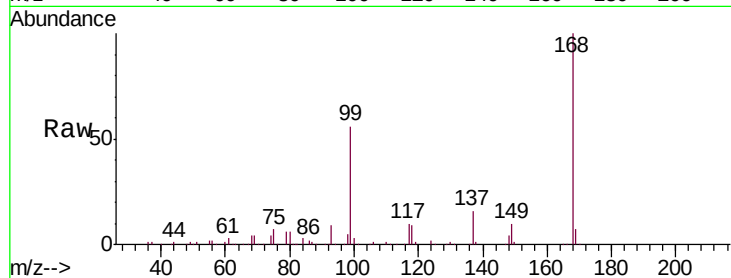
T11-E1-(0)

Tgt Ion:168 Resp: 256327

Ion Ratio Lower Upper

168 100

99 56.1 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

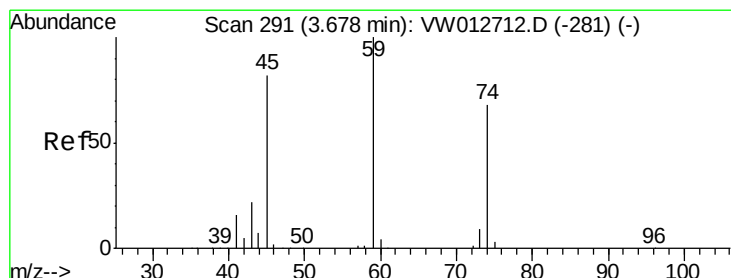
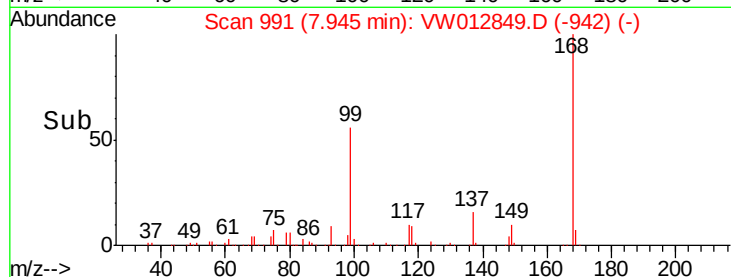
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.676 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012849.D

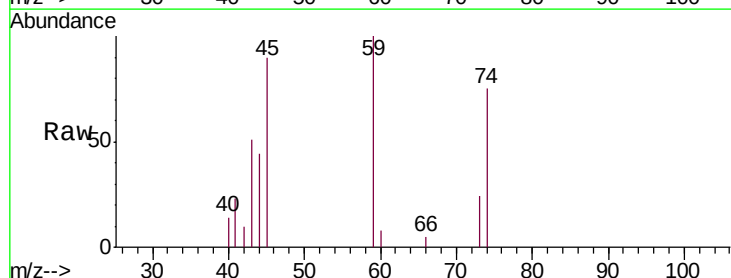
Acq: 10 Sep 2019 04:04

Tgt Ion: 74 Resp: 2013

Ion Ratio Lower Upper

74 100

45 136.6 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

600

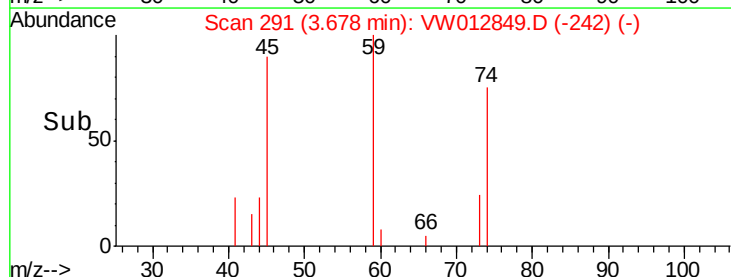
400

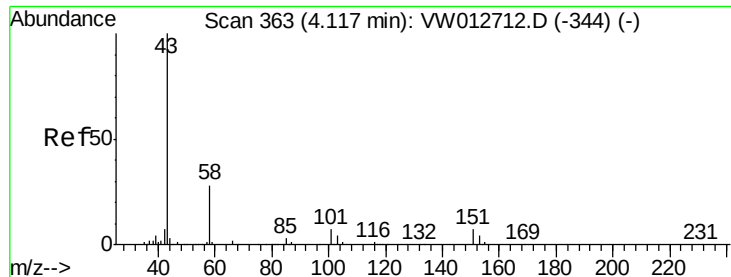
200

0

Time-->

3.60 3.65 3.70 3.75





#16

Acetone

Concen: 2.076 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012849.D

Acq: 10 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

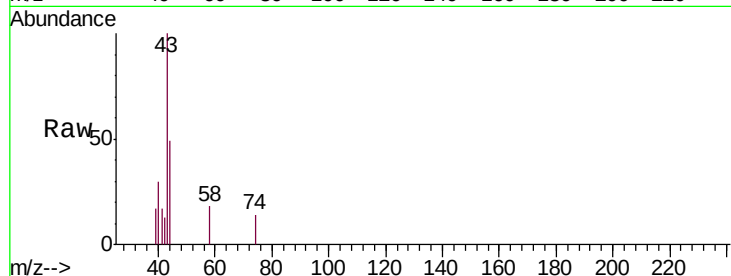
T11-E1-(0)

Tgt Ion: 43 Resp: 1621

Ion Ratio Lower Upper

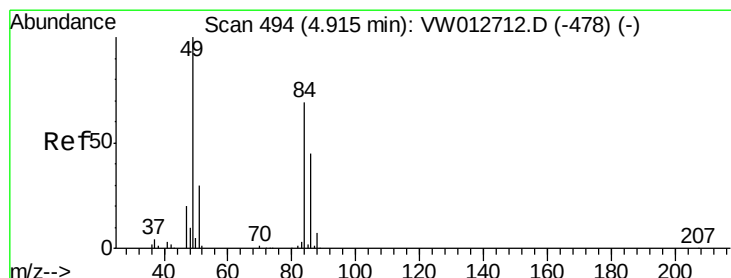
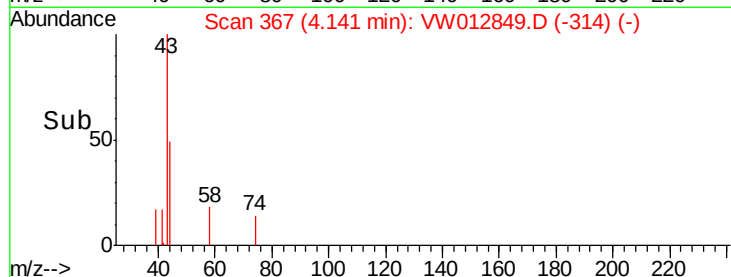
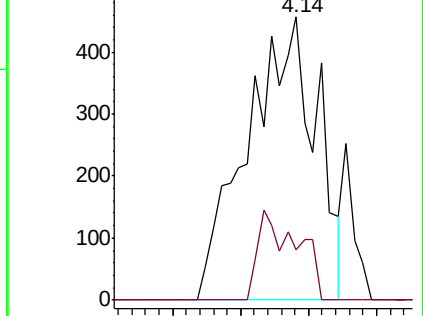
43 100

58 17.9 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.357 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012849.D

Acq: 10 Sep 2019 04:04

Tgt Ion: 84 Resp: 15528

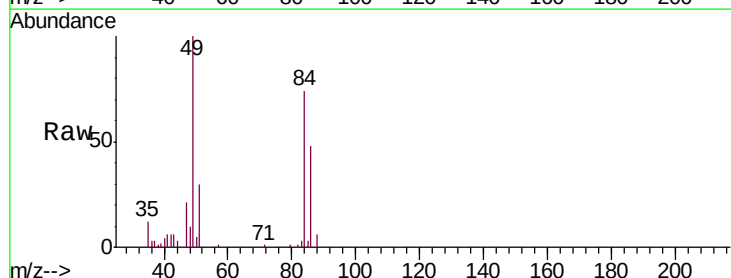
Ion Ratio Lower Upper

84 100

49 134.8 115.4 173.0

51 40.1 34.9 52.3

86 64.6 52.2 78.4

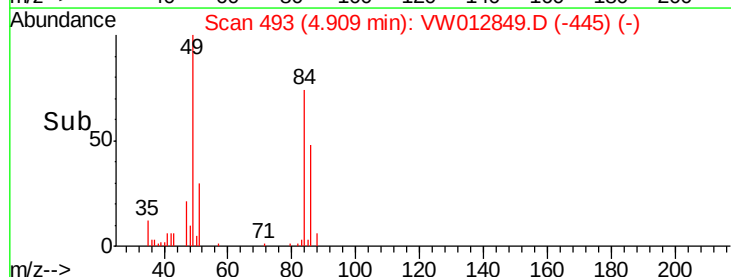
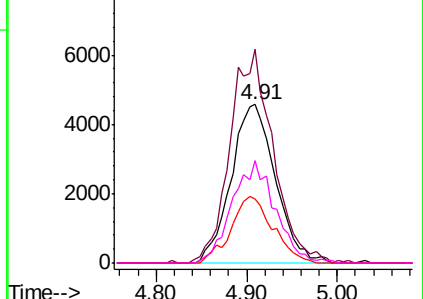


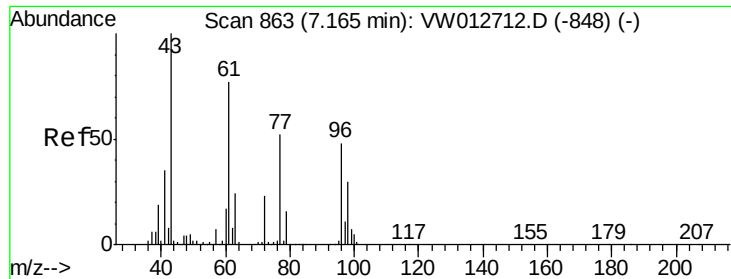
Abundance Ion 83.90 (83.60 to 84.60): VW

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

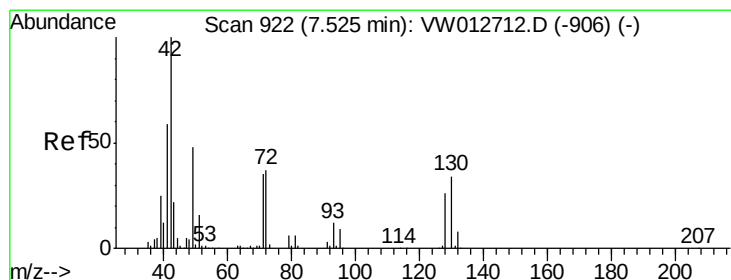
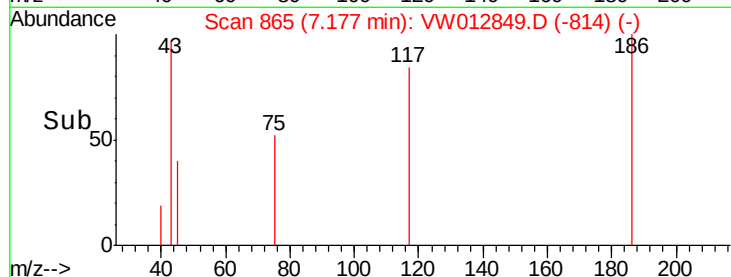
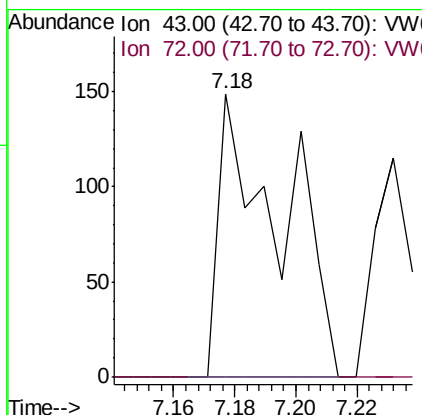
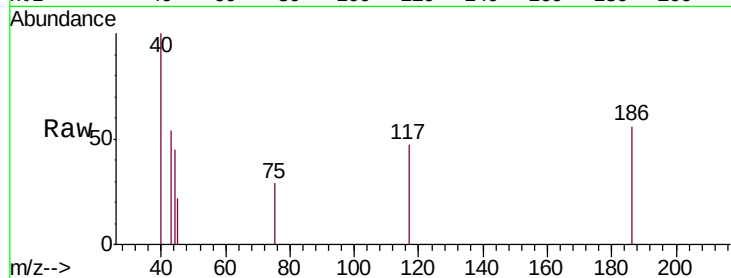




#25
 2-Butanone
 Concen: 19.849 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW012849.D
 Acq: 10 Sep 2019 04:04

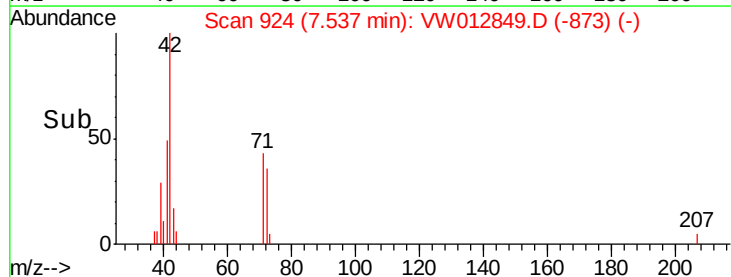
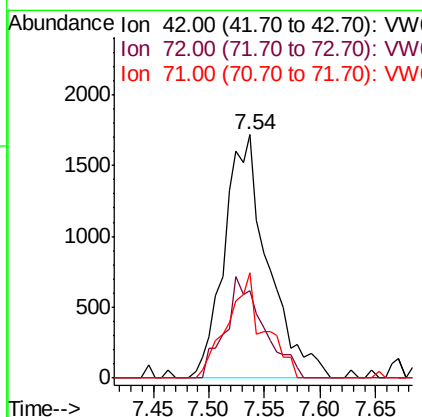
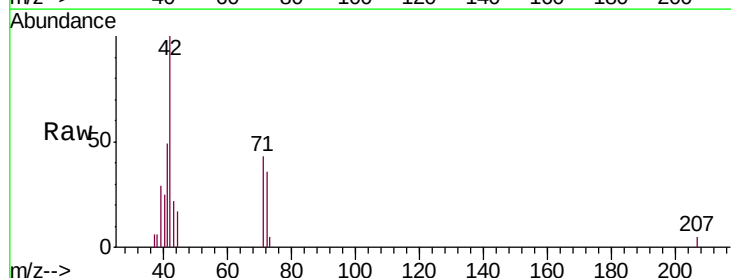
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E1-(0)

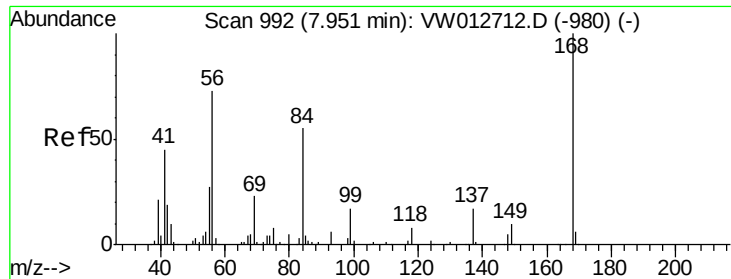
Tgt Ion: 43 Resp: 211
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.0 27.0#



#29
 Tetrahydrofuran
 Concen: 7.415 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW012849.D
 Acq: 10 Sep 2019 04:04

Tgt Ion: 42 Resp: 4675
 Ion Ratio Lower Upper
 42 100
 72 36.5 28.4 42.6
 71 36.1 27.1 40.7

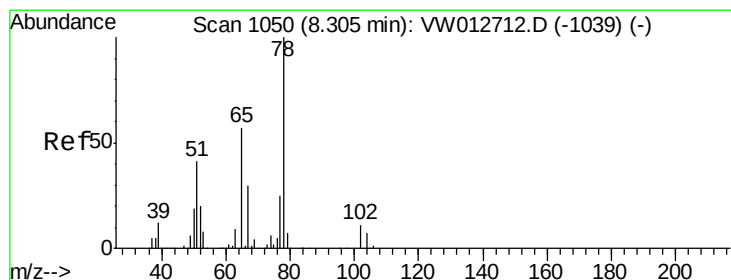
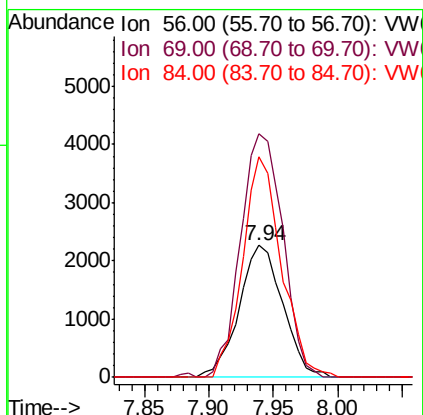
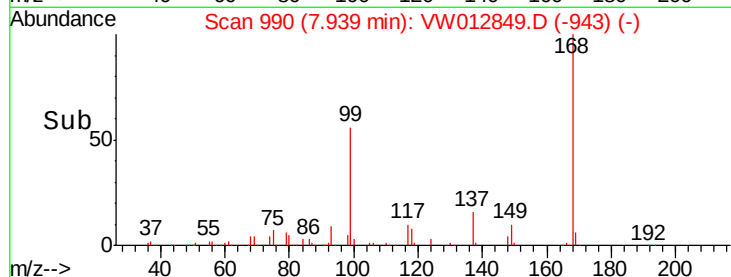
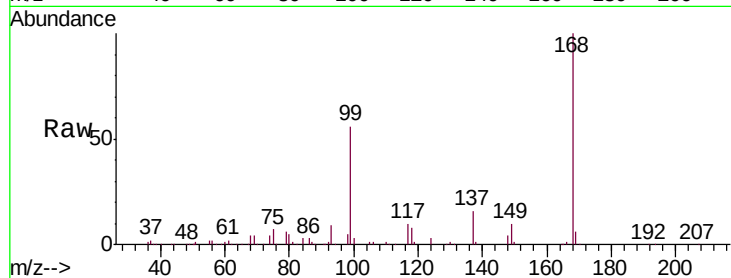




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012849.D
Acq: 10 Sep 2019 04:04

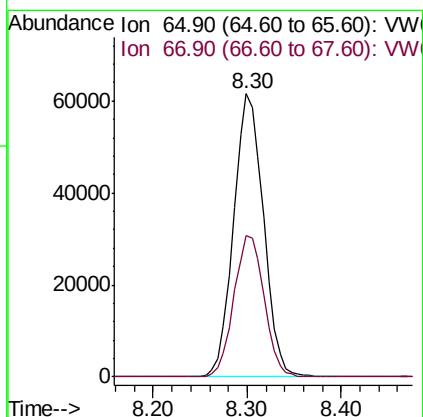
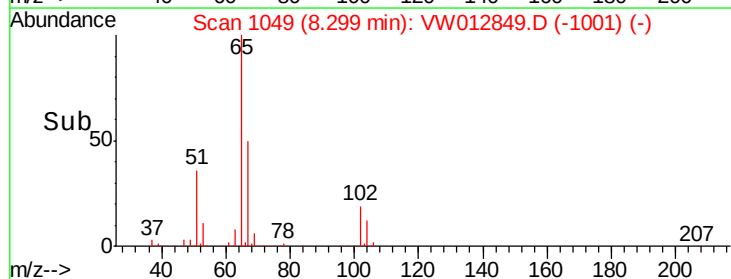
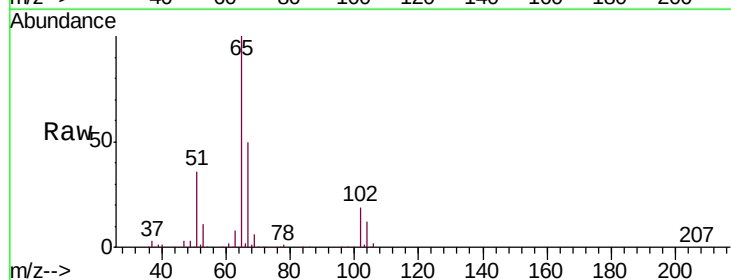
Instrument :
MSVOA_W
ClientSampleId :
T11-E1-(0)

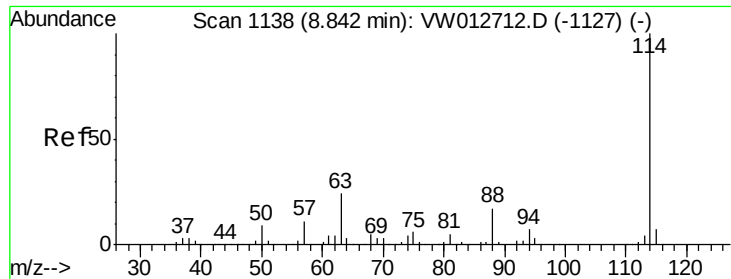
Tgt Ion: 56 Resp: 5333
Ion Ratio Lower Upper
56 100
69 184.2 25.7 38.5#
84 166.6 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 47.532 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012849.D
Acq: 10 Sep 2019 04:04

Tgt Ion: 65 Resp: 136132
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

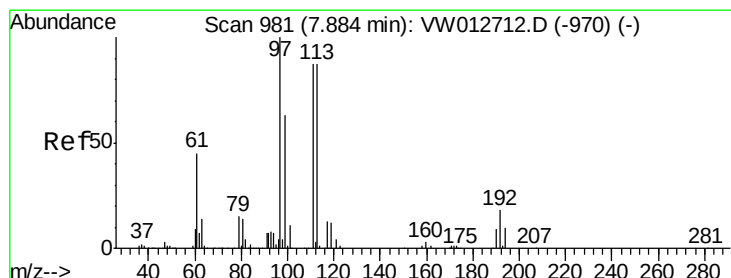
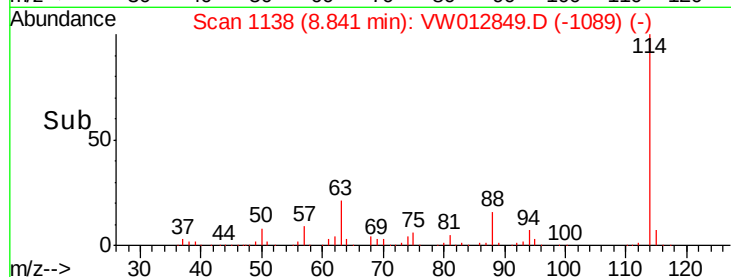
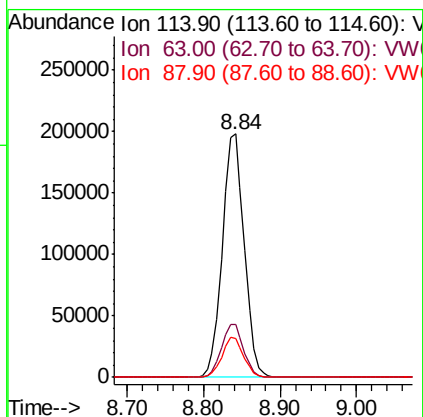
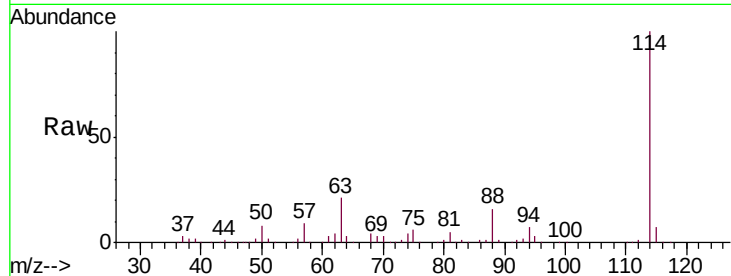




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012849.D
 Acq: 10 Sep 2019 04:04

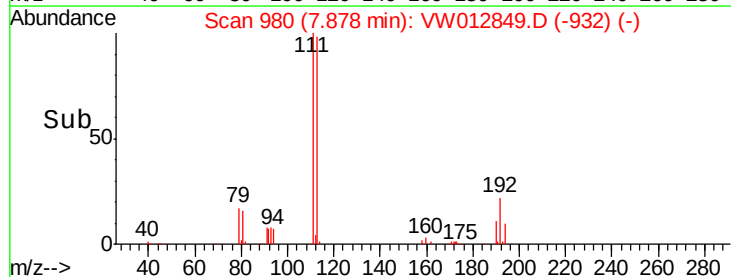
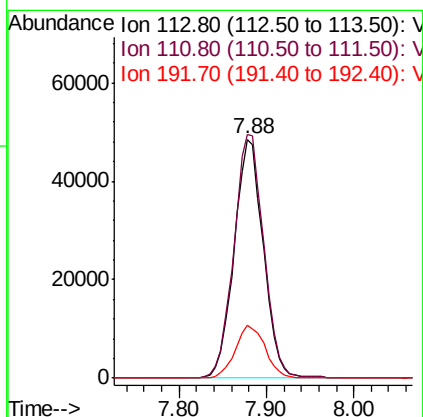
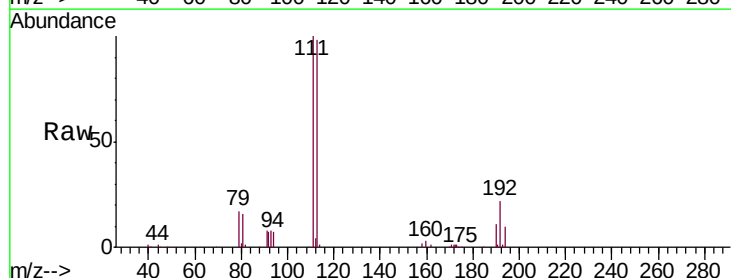
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E1-(0)

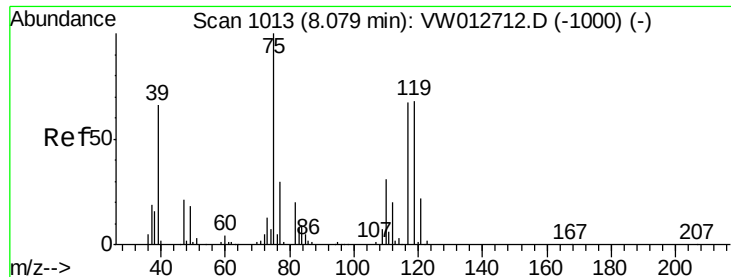
Tgt Ion:114 Resp: 390681
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 47.2
 88 15.9 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 48.450 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012849.D
 Acq: 10 Sep 2019 04:04

Tgt Ion:113 Resp: 112535
 Ion Ratio Lower Upper
 113 100
 111 105.0 80.2 120.4
 192 22.6 17.3 25.9

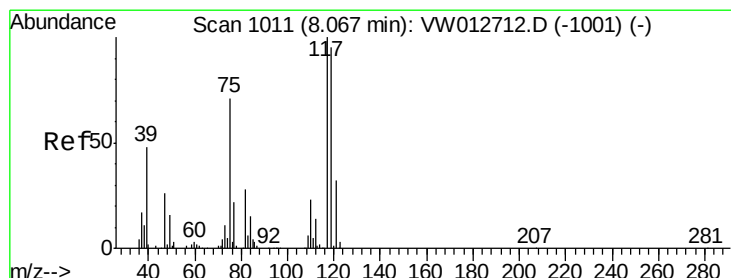
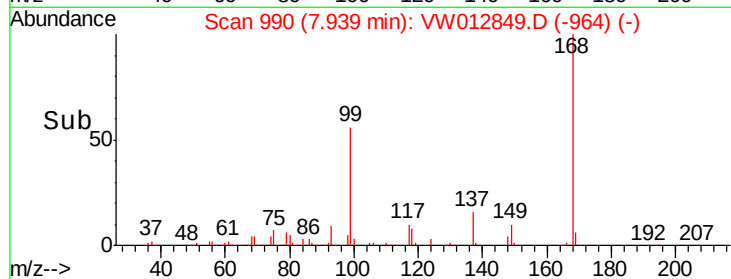
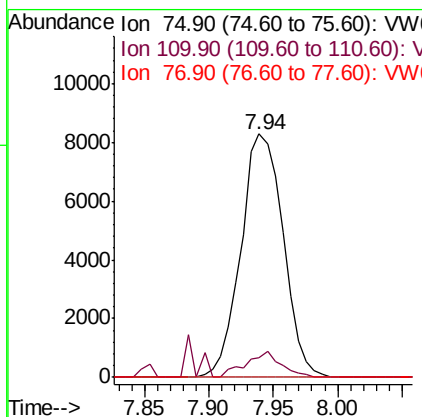
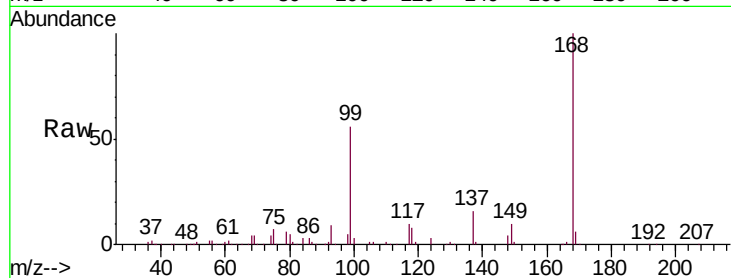




#36
 1,1-Dichloropropene
 Concen: 5.430 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012849.D
 Acq: 10 Sep 2019 04:04

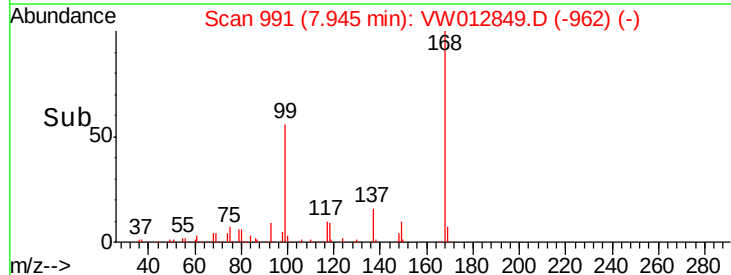
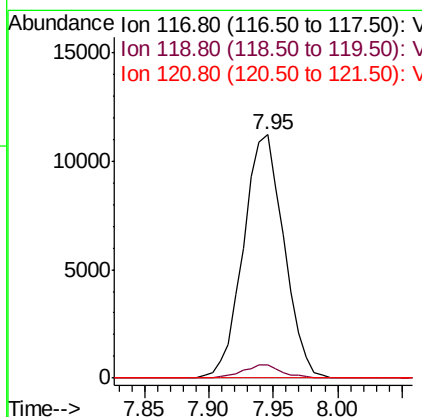
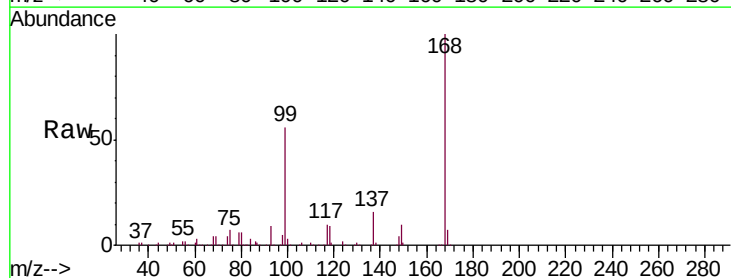
Instrument :
 MSVOA_W
 ClientSampled :
 T11-E1-(0)

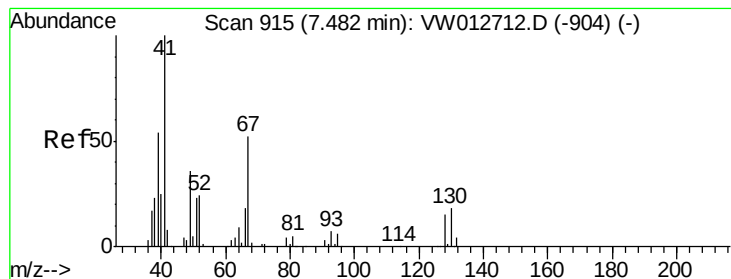
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.133 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012849.D
 Acq: 10 Sep 2019 04:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 5.643 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012849.D

Acq: 10 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

T11-E1-(0)

Tgt Ion: 41 Resp: 2939

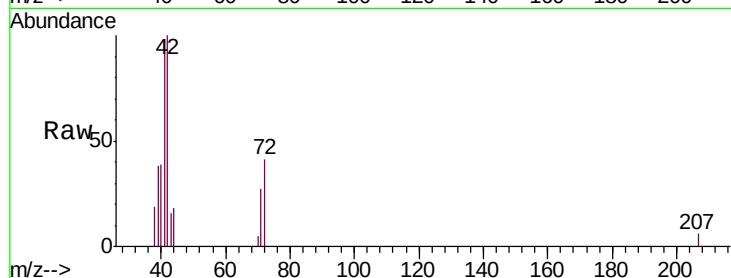
Ion Ratio Lower Upper

41 100

39 51.6 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

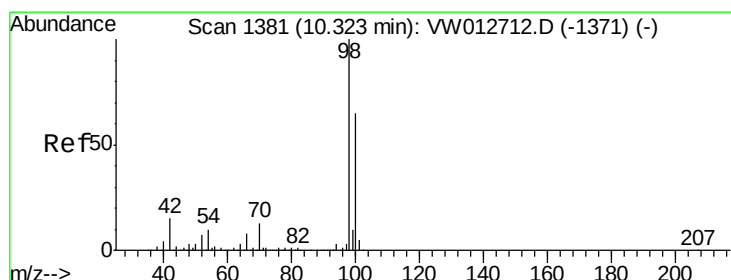
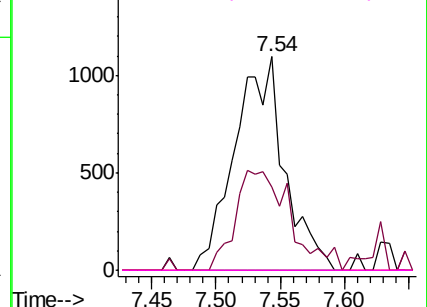
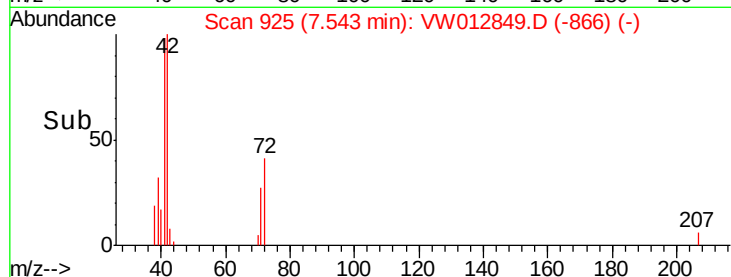


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 48.509 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012849.D

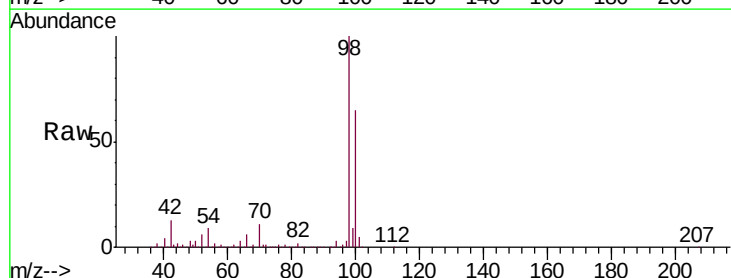
Acq: 10 Sep 2019 04:04

Tgt Ion: 98 Resp: 441425

Ion Ratio Lower Upper

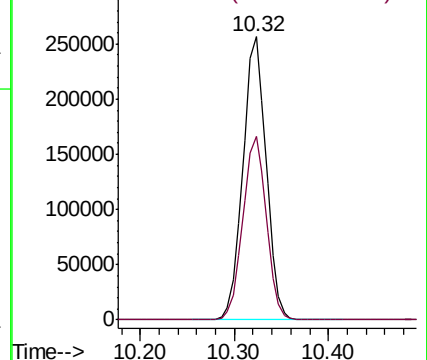
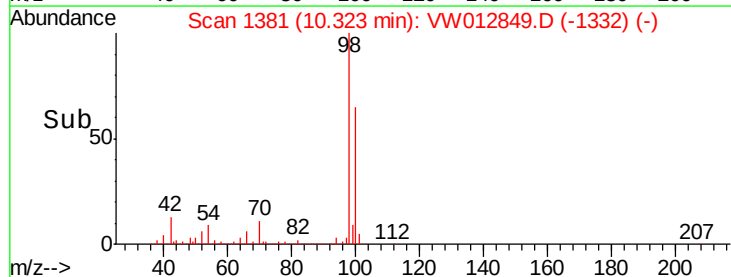
98 100

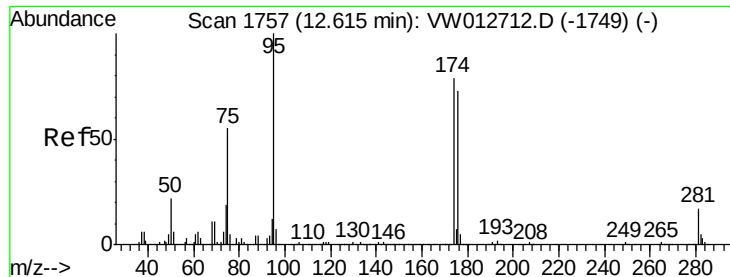
100 65.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

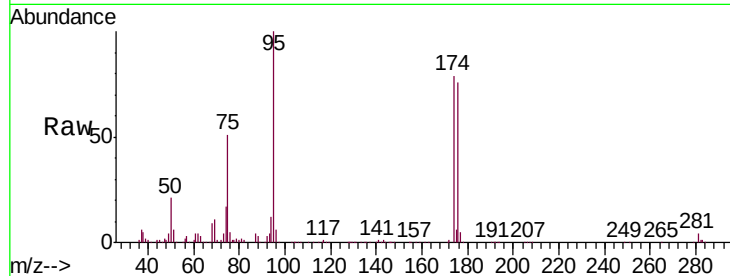




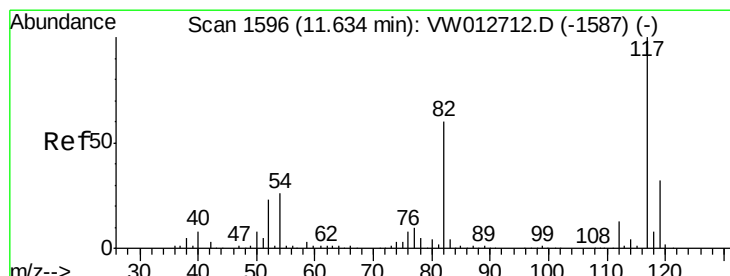
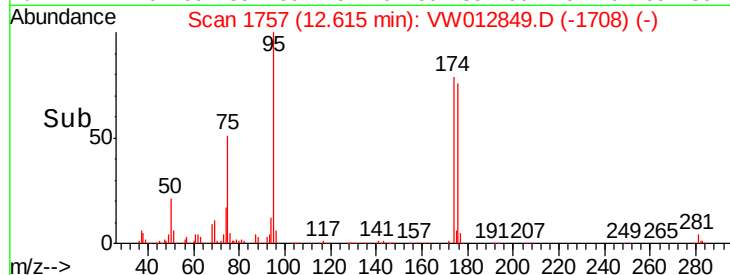
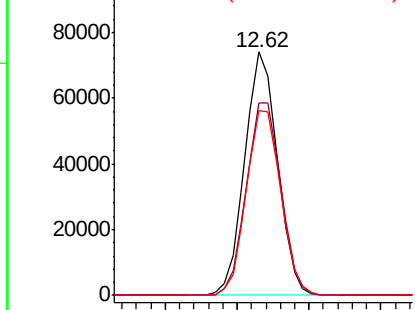
#62
4-Bromofluorobenzene
Concen: 35.319 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012849.D
Acq: 10 Sep 2019 04:04

Instrument :
MSVOA_W
ClientSampleId :
T11-E1-(0)

Tgt Ion: 95 Resp: 116678
Ion Ratio Lower Upper
95 100
174 83.2 0.0 161.0
176 79.9 0.0 156.4

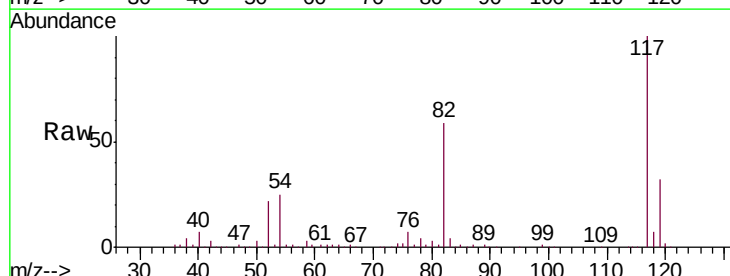


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

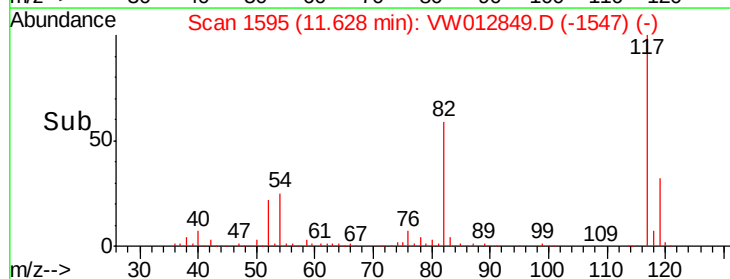
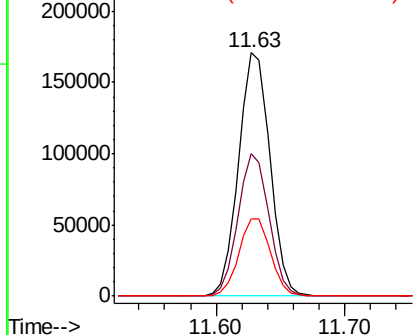


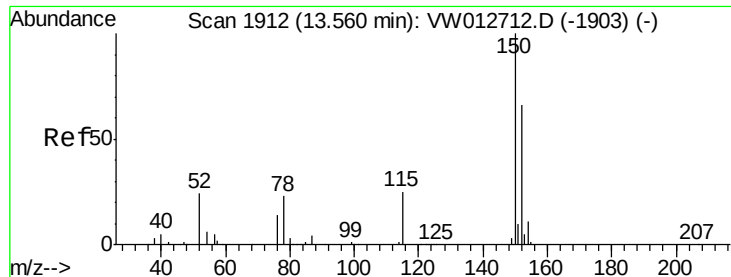
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012849.D
Acq: 10 Sep 2019 04:04

Tgt Ion: 117 Resp: 289134
Ion Ratio Lower Upper
117 100
82 58.8 48.2 72.4
119 31.9 25.8 38.6



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



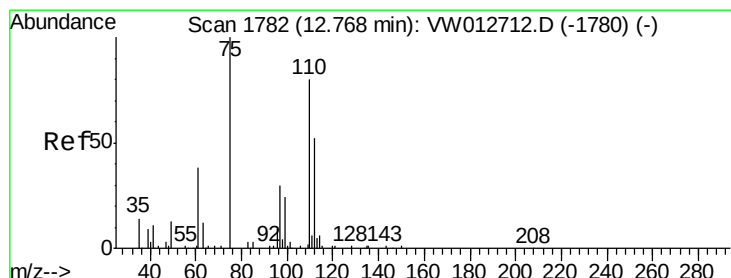
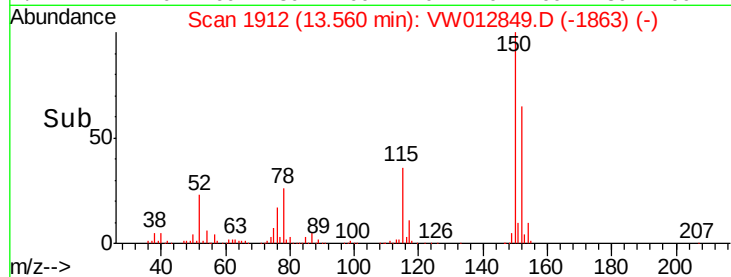
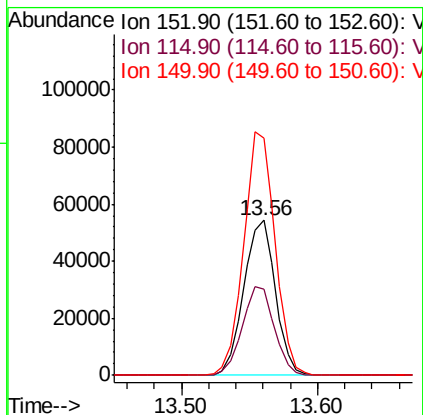
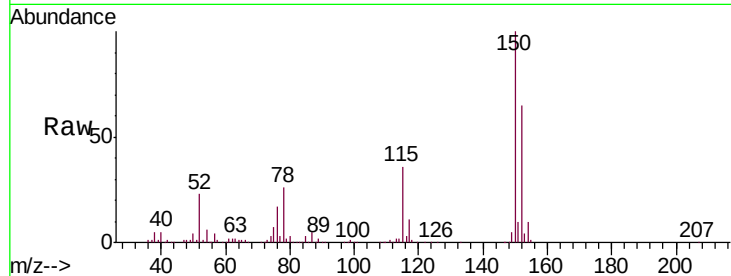


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012849.D
Acq: 10 Sep 2019 04:04

Instrument :
MSVOA_W
ClientSampleId :
T11-E1-(0)

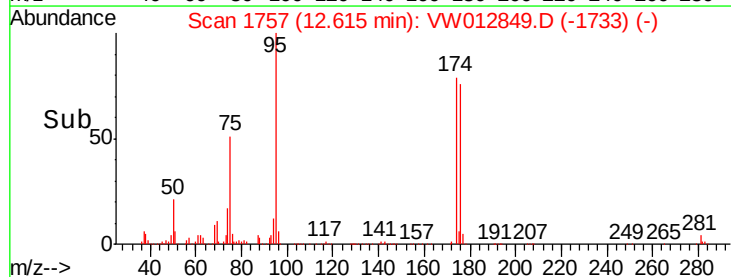
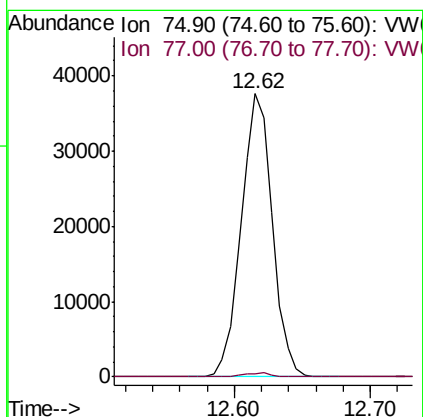
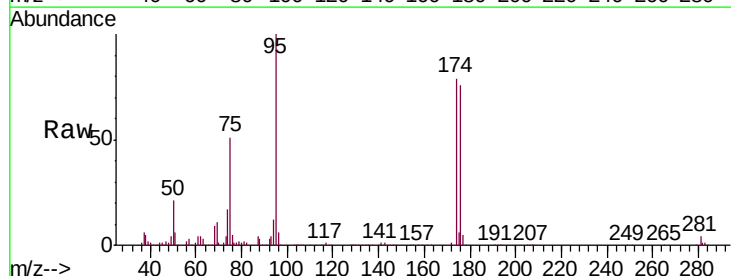
Tgt Ion:152 Resp: 88342
Ion Ratio Lower Upper
152 100
115 57.7 30.0 90.1
150 155.3 0.0 349.0

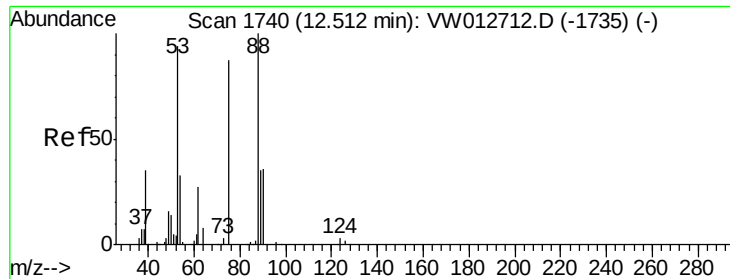


#76

1,2,3-Trichloropropane
Concen: 66.404 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012849.D
Acq: 10 Sep 2019 04:04

Tgt Ion: 75 Resp: 59985
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.449 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012849.D

Acq: 10 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

T11-E1-(0)

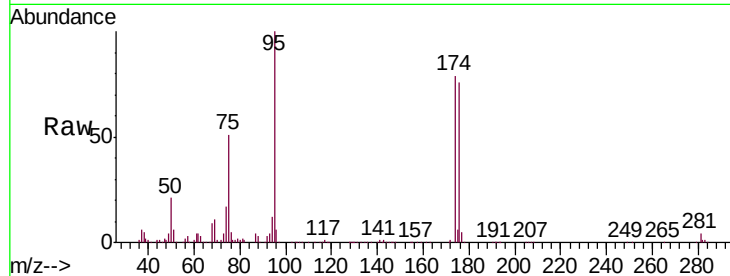
Tgt Ion: 75 Resp: 59985

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

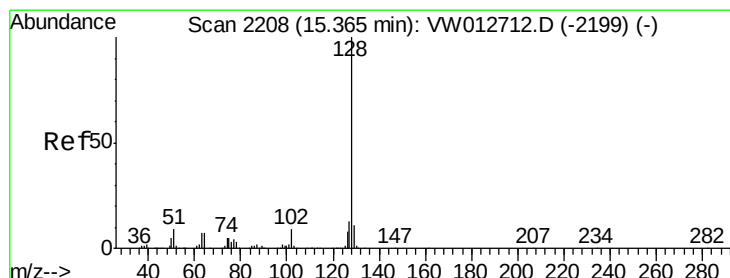
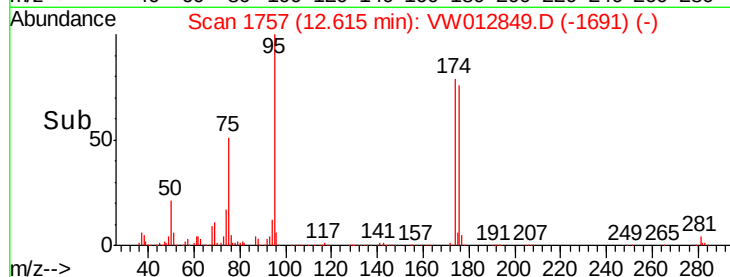
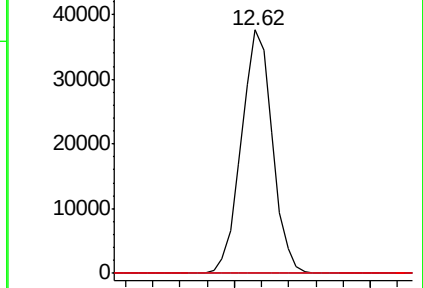
89 0.1 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.452 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012849.D

Acq: 10 Sep 2019 04:04

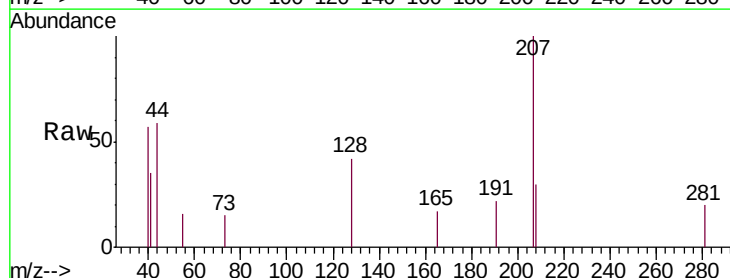
Tgt Ion: 128 Resp: 54

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

