

Data File : VW012843.D
Acq On : 10 Sep 2019 01:29
Operator : SY/VA
Sample : K4644-02
Misc : 5.67G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(0)

Quant Time: Sep 10 07:08:40 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	272733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	102518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144347	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	7.88	113	120339	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.32	98	478052	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.62	95	128744	36.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.82%	

Target Compounds

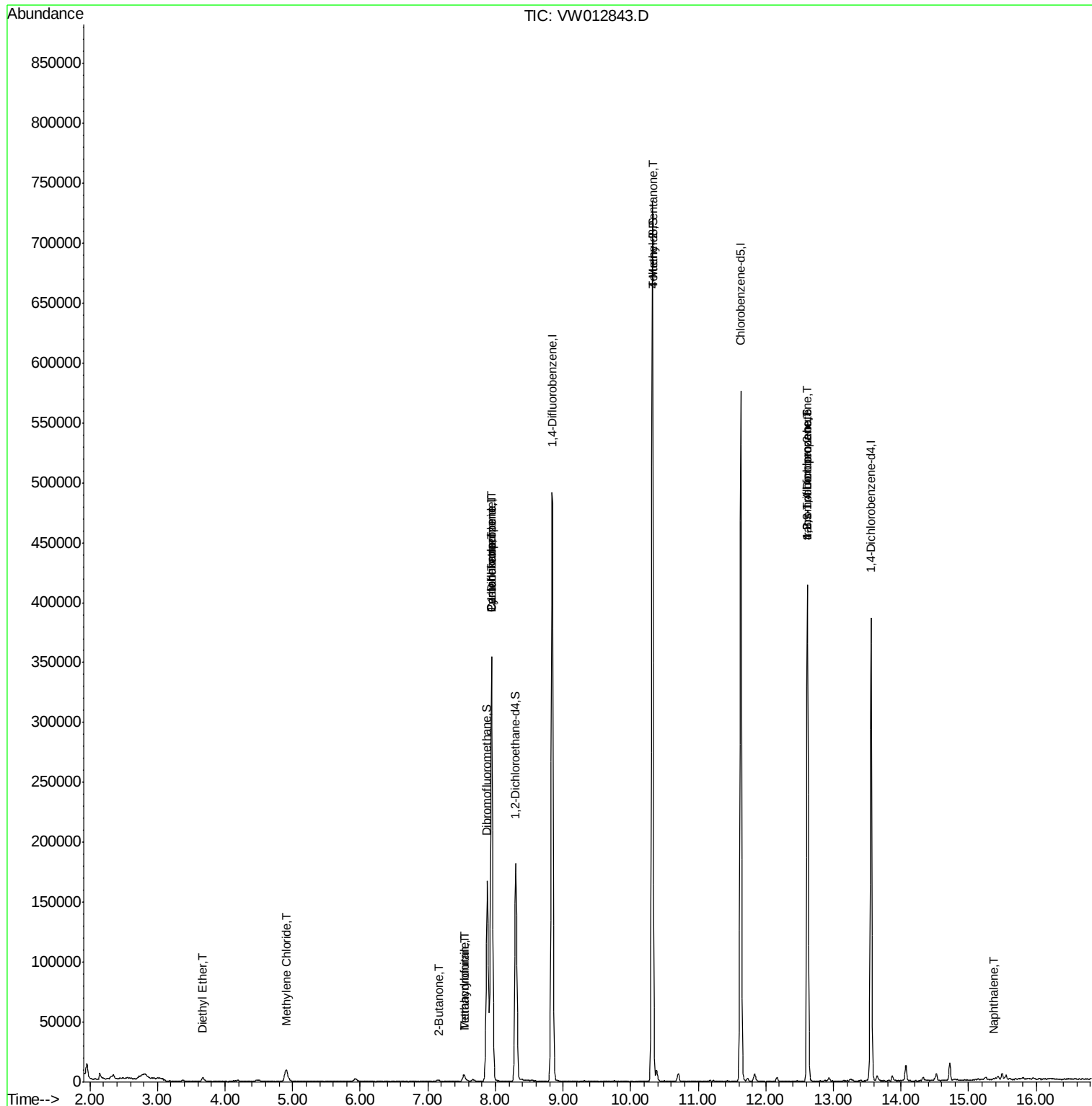
						Qvalue
8) Diethyl Ether	3.68	74	1386	1.085	ug/l	62
20) Methylene Chloride	4.90	84	6991	2.690	ug/l	95
25) 2-Butanone	7.17	43	30	19.703	ug/l #	53
29) Tetrahydrofuran	7.53	42	4955	7.386	ug/l #	60
31) Cyclohexane	7.94	56	6067	1.354	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20532	5.602	ug/l #	52
38) Carbon Tetrachloride	7.94	117	25499	7.058	ug/l #	16
41) Methacrylonitrile	7.54	41	3053	5.614	ug/l #	53
51) 4-Methyl-2-Pentanone	10.32	43	2529	1.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	66264	63.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66264	133.696	ug/l #	6
95) Naphthalene	15.36	128	551	4.556	ug/l #	89

(#) = 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: VW012843.D

Acq: 10 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

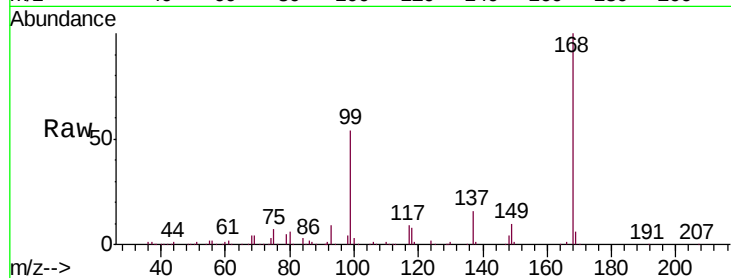
T11-D3-(0)

Tgt Ion:168 Resp: 272733

Ion Ratio Lower Upper

168 100

99 53.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

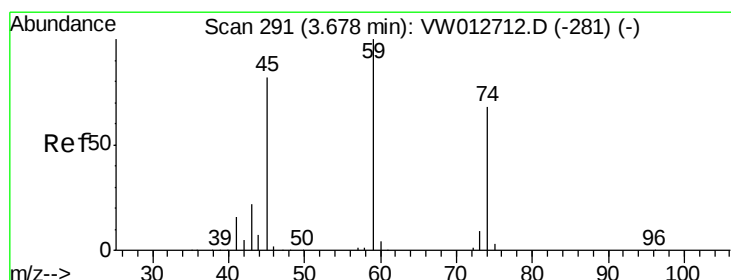
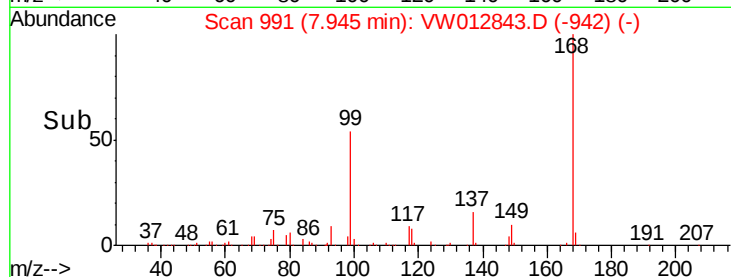
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.085 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012843.D

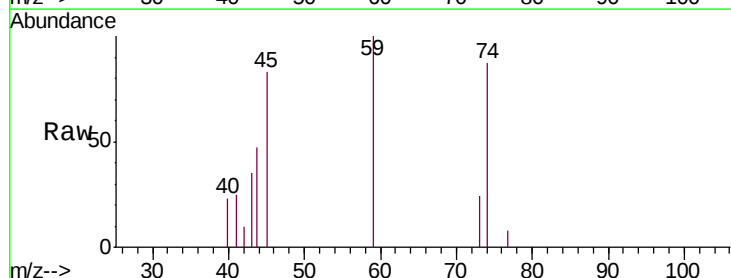
Acq: 10 Sep 2019 01:29

Tgt Ion: 74 Resp: 1386

Ion Ratio Lower Upper

74 100

45 159.5 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

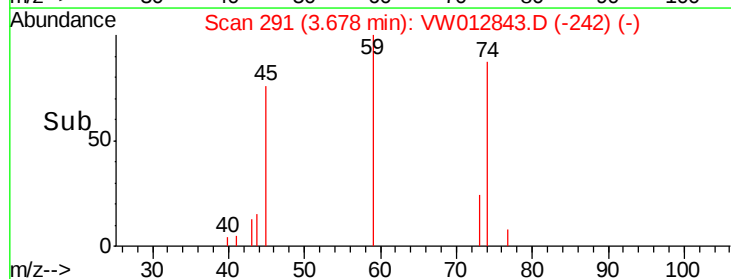
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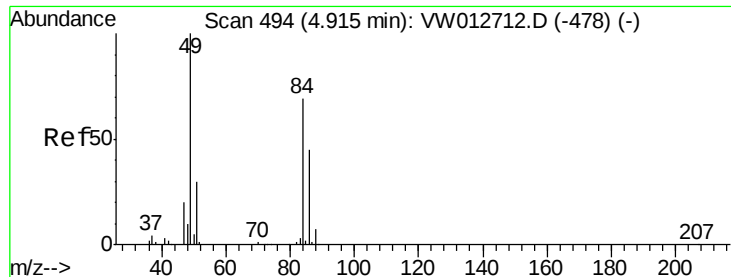
400

200

0

Time-->

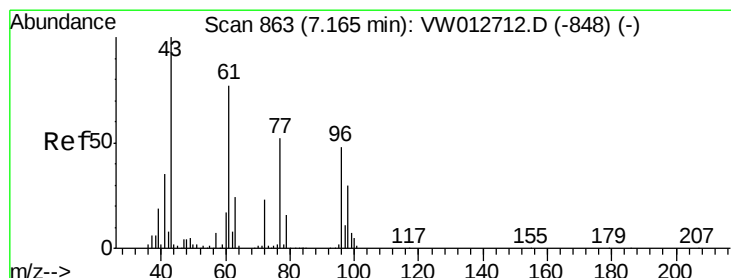
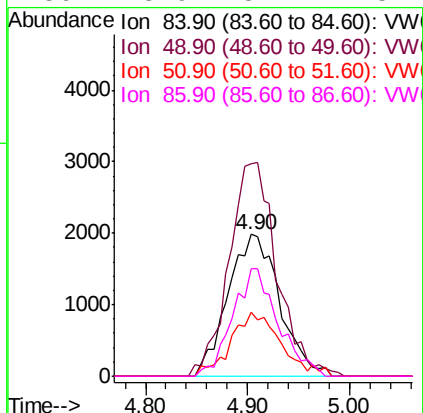
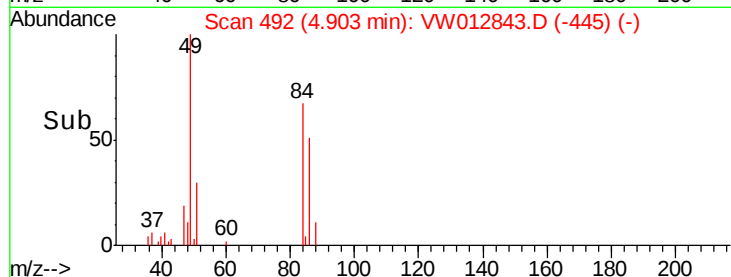
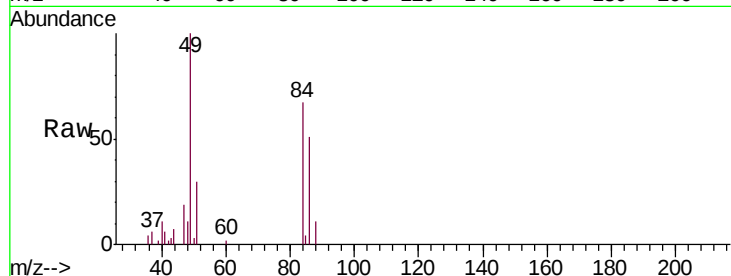




#20
Methylene Chloride
Concen: 2.690 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

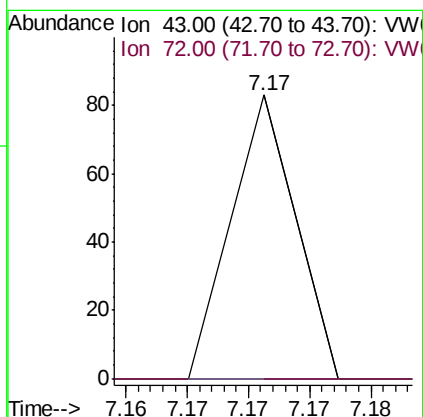
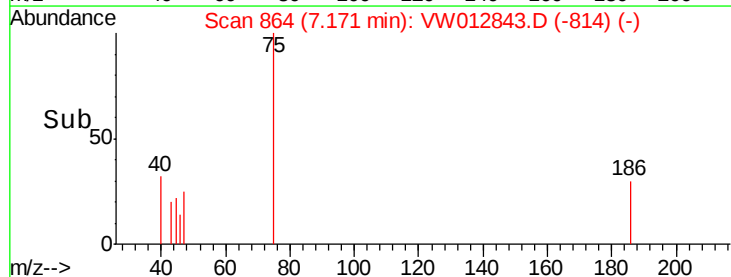
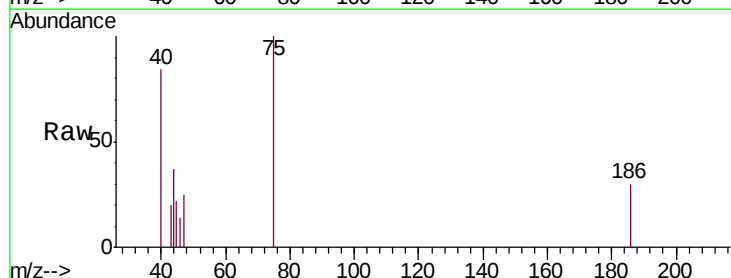
Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(0)

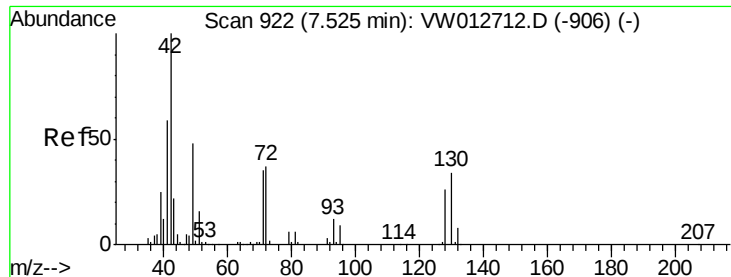
Tgt Ion: 84 Resp: 6991
Ion Ratio Lower Upper
84 100
49 147.1 115.4 173.0
51 45.5 34.9 52.3
86 75.9 52.2 78.4



#25
2-Butanone
Concen: 19.703 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

Tgt Ion: 43 Resp: 30
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#

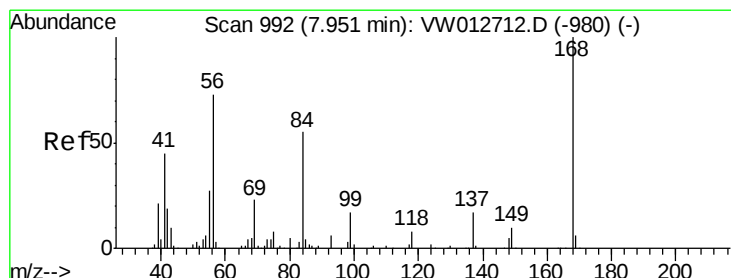
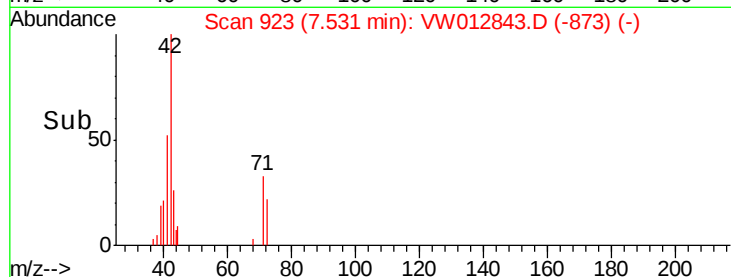
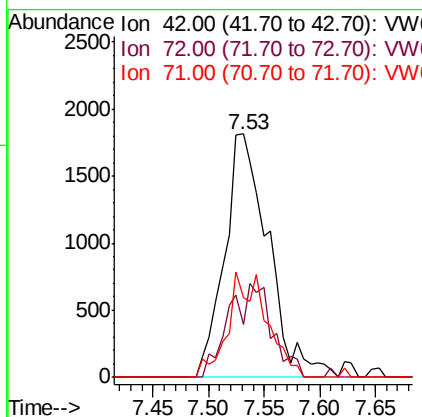
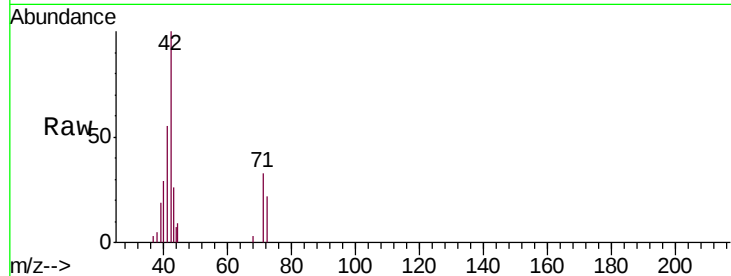




#29
Tetrahydrofuran
Concen: 7.386 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

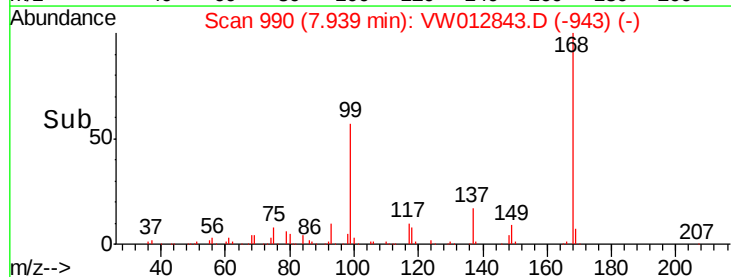
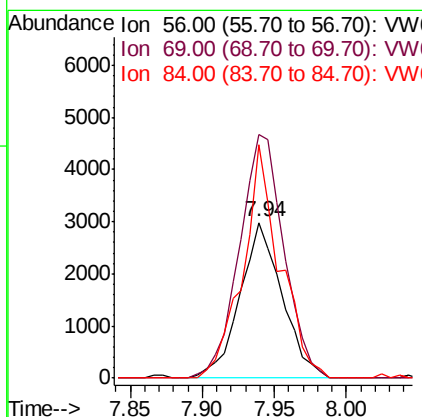
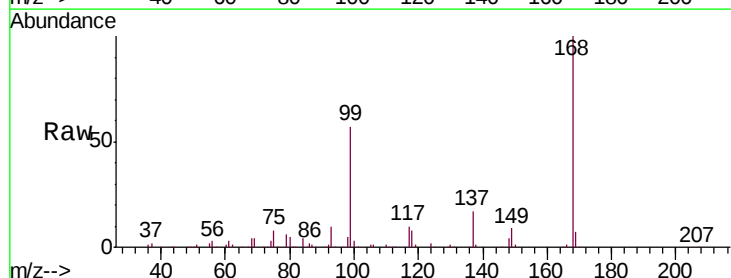
Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(0)

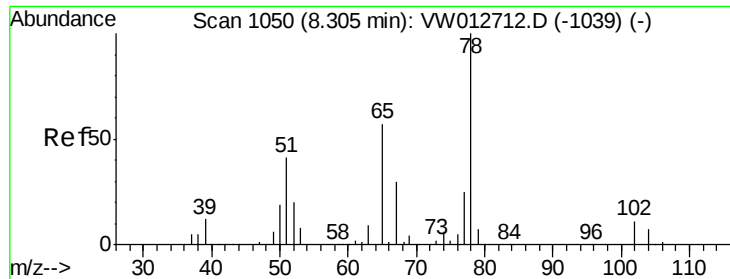
Tgt Ion: 42 Resp: 4955
Ion Ratio Lower Upper
42 100
72 22.3 28.4 42.6#
71 0.0 27.1 40.7#



#31
Cyclohexane
Concen: 1.354 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

Tgt Ion: 56 Resp: 6067
Ion Ratio Lower Upper
56 100
69 156.5 25.7 38.5#
84 149.7 60.4 90.6#

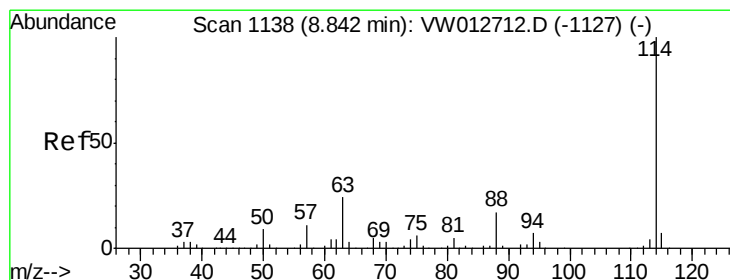
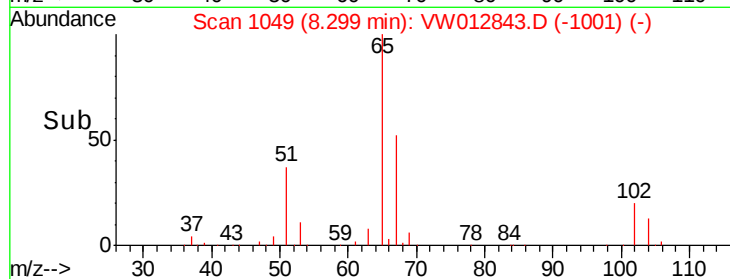
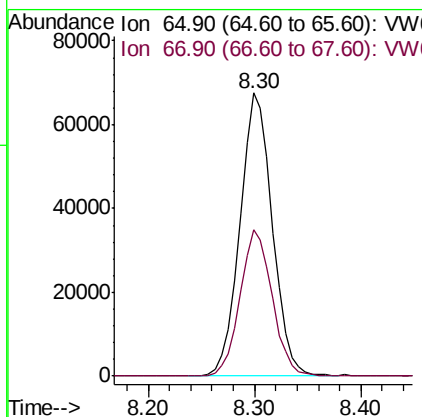
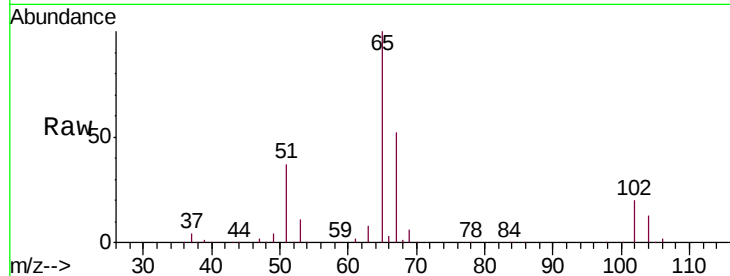




#33
 1,2-Dichloroethane-d4
 Concen: 47.368 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012843.D
 Acq: 10 Sep 2019 01:29

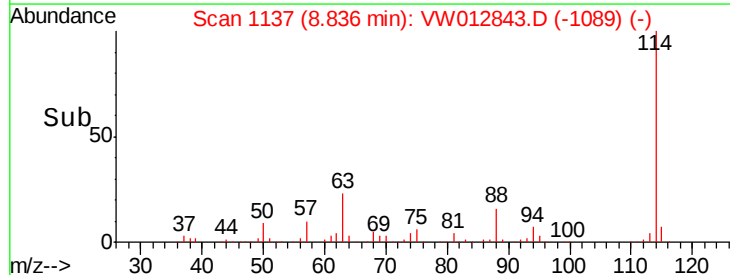
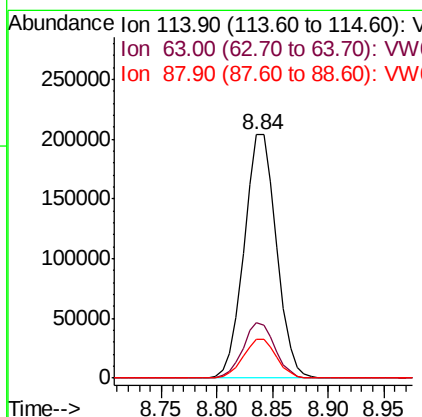
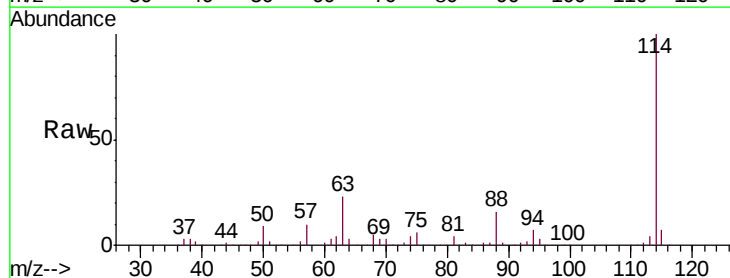
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D3-(0)

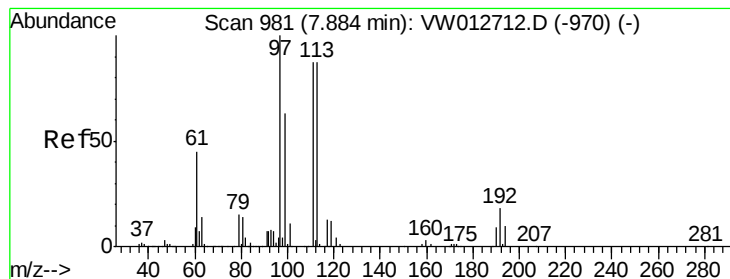
Tgt Ion: 65 Resp: 144347
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012843.D
 Acq: 10 Sep 2019 01:29

Tgt Ion: 114 Resp: 412473
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.2
 88 15.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.073 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012843.D

Acq: 10 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

T11-D3-(0)

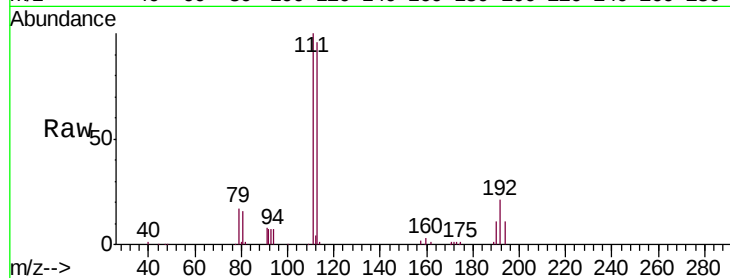
Tgt Ion:113 Resp: 120339

Ion Ratio Lower Upper

113 100

111 103.4 80.2 120.4

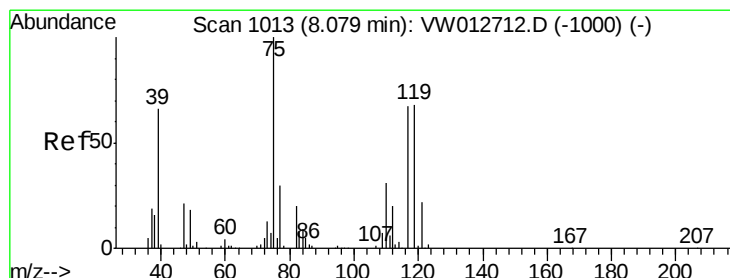
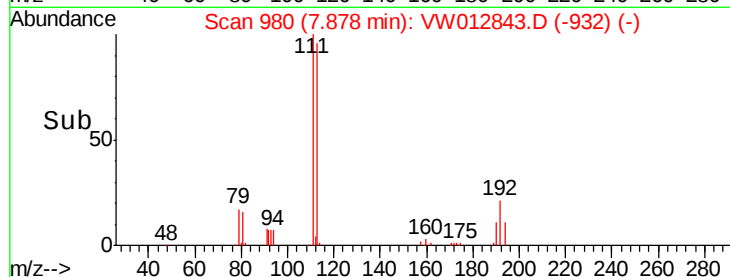
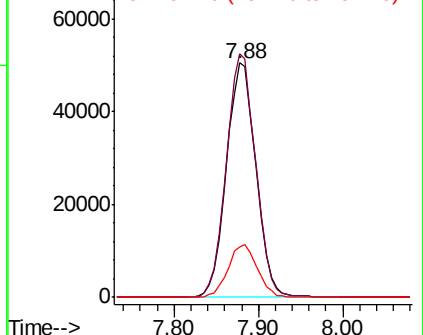
192 22.3 17.3 25.9



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: 5.602 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012843.D

Acq: 10 Sep 2019 01:29

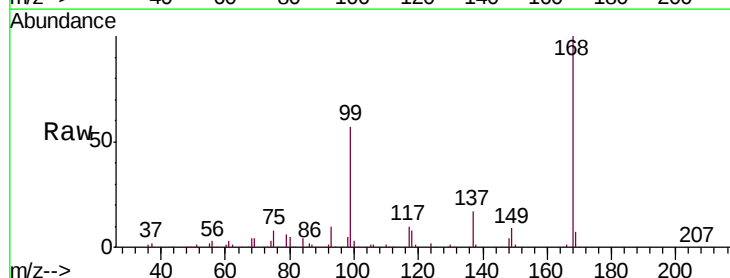
Tgt Ion: 75 Resp: 20532

Ion Ratio Lower Upper

75 100

110 9.9 15.9 47.7#

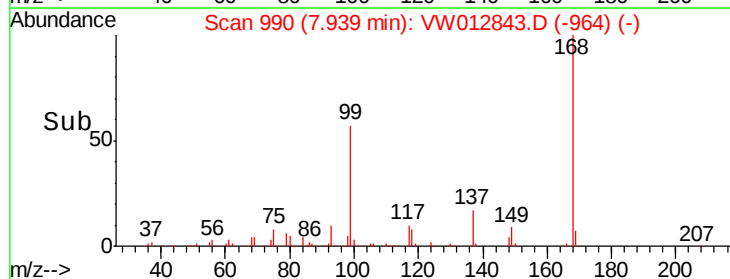
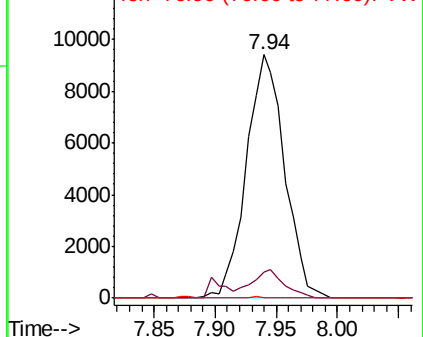
77 0.1 25.0 37.4#

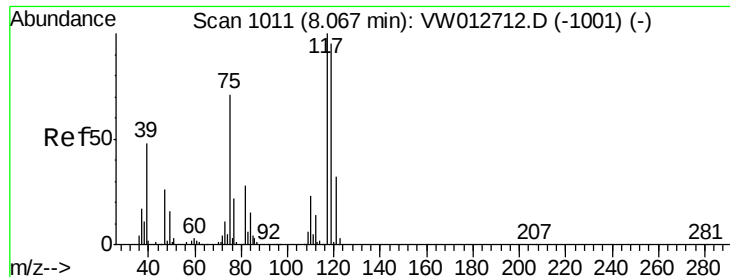


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.058 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012843.D

Acq: 10 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

T11-D3-(0)

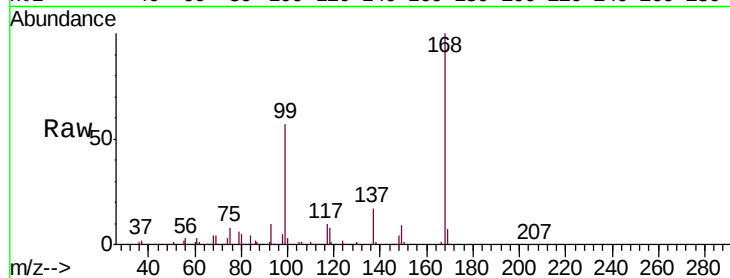
Tgt Ion:117 Resp: 25499

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

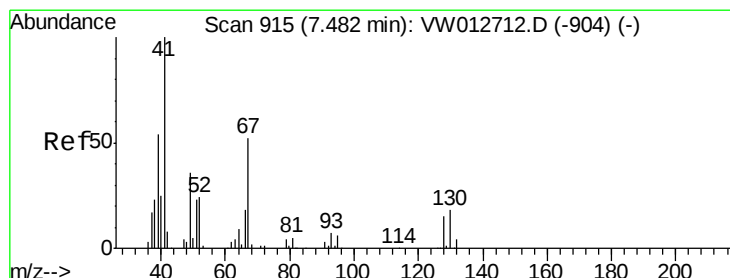
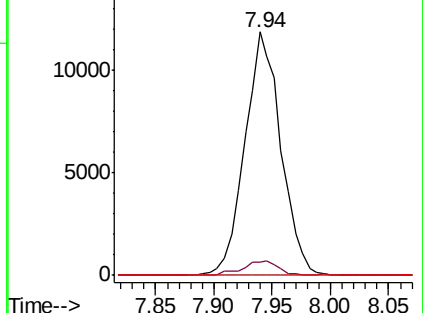
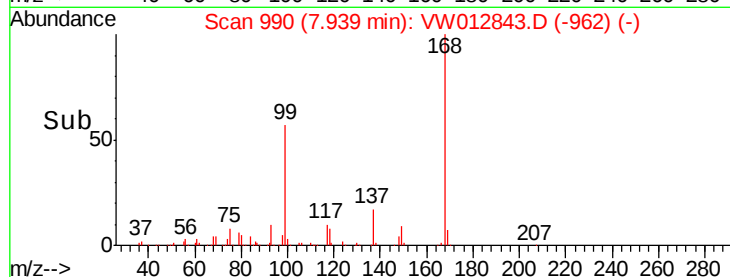
121 0.0 25.4 38.2#



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: 5.614 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW012843.D

Acq: 10 Sep 2019 01:29

Tgt Ion: 41 Resp: 3053

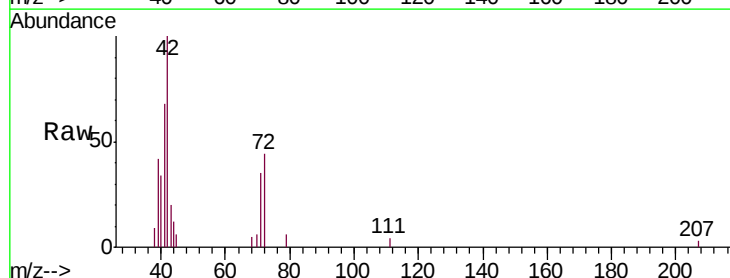
Ion Ratio Lower Upper

41 100

39 47.3 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

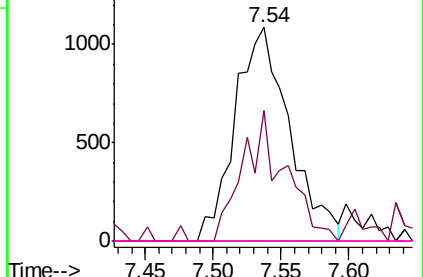
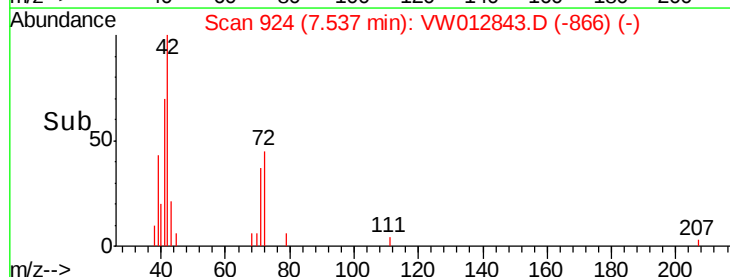


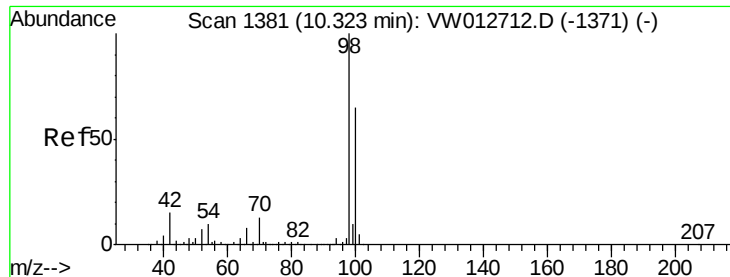
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.759 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012843.D

Acq: 10 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

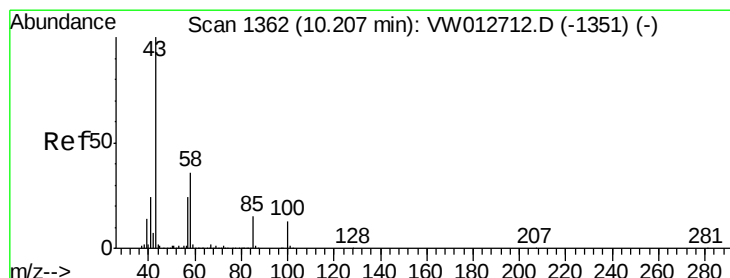
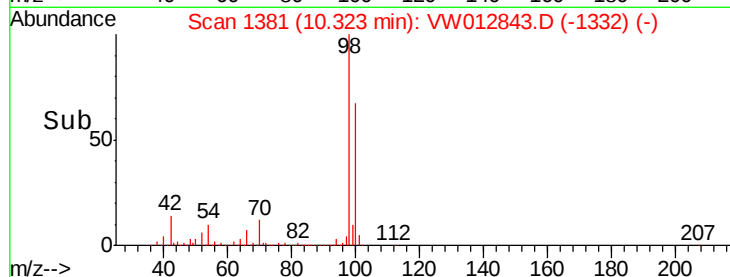
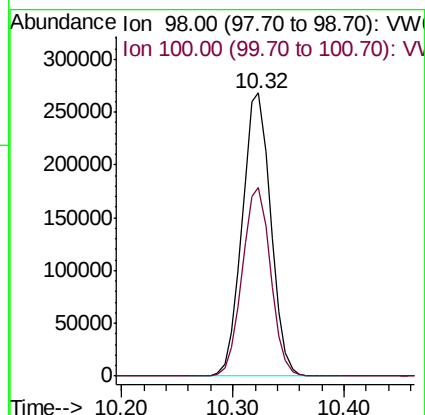
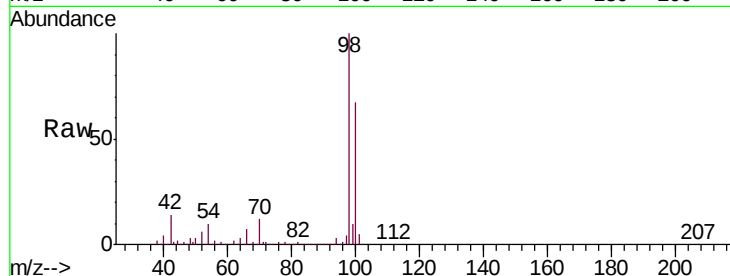
T11-D3-(0)

Tgt Ion: 98 Resp: 478052

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.089 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012843.D

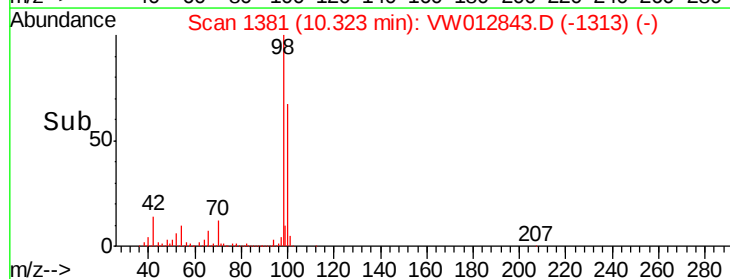
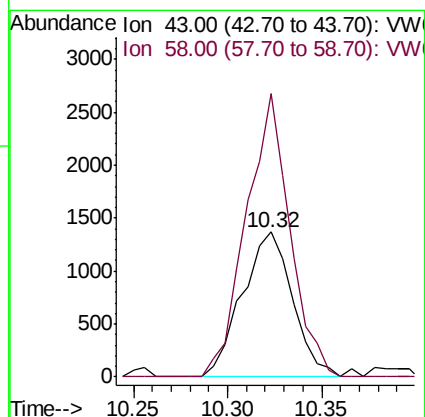
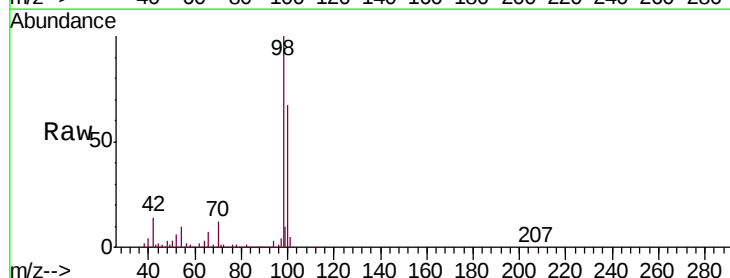
Acq: 10 Sep 2019 01:29

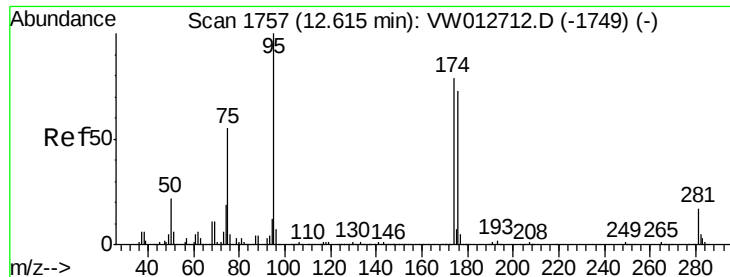
Tgt Ion: 43 Resp: 2529

Ion Ratio Lower Upper

43 100

58 170.3 28.4 42.6#

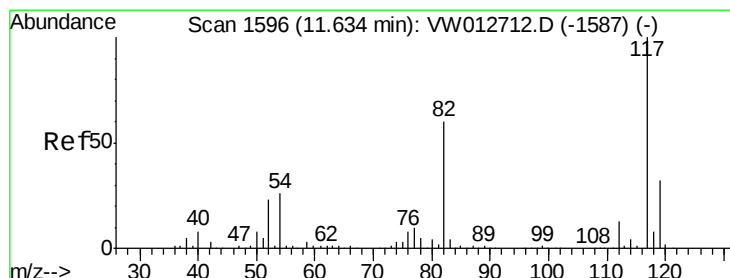
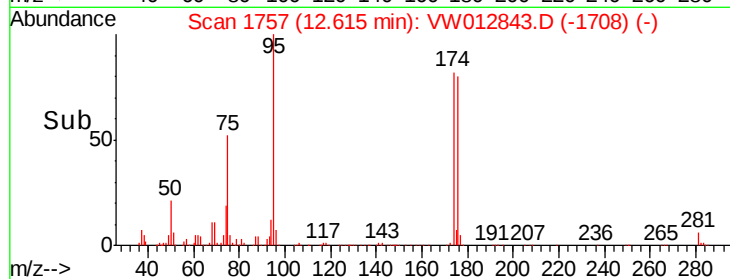
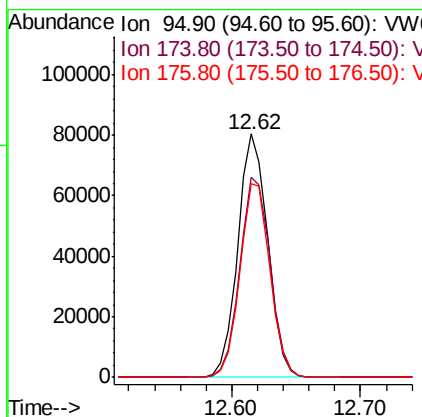
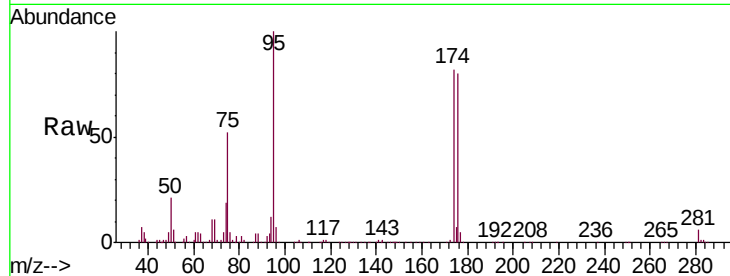




#62
4-Bromofluorobenzene
Concen: 36.913 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

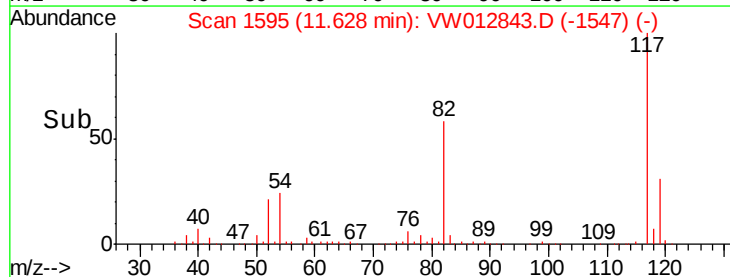
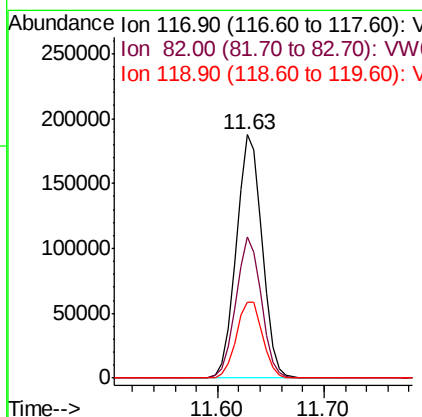
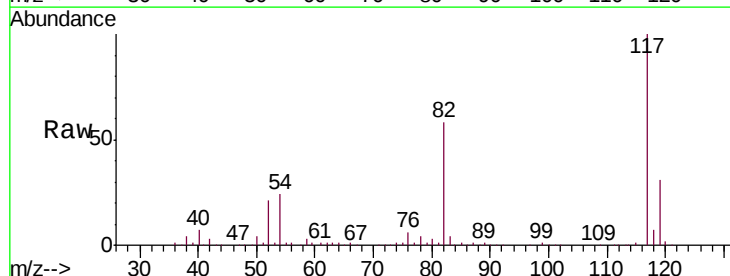
Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(0)

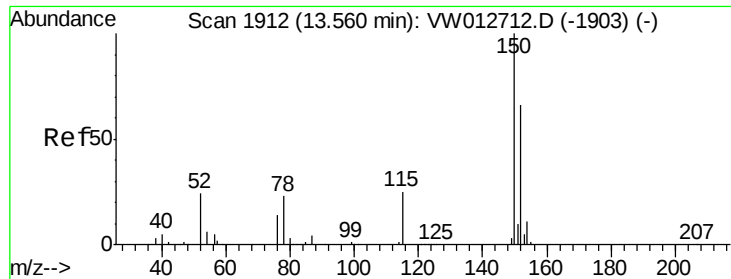
Tgt Ion: 95 Resp: 128744
Ion Ratio Lower Upper
95 100
174 83.8 0.0 161.0
176 79.8 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

Tgt Ion: 117 Resp: 319699
Ion Ratio Lower Upper
117 100
82 58.1 48.2 72.4
119 31.1 25.8 38.6



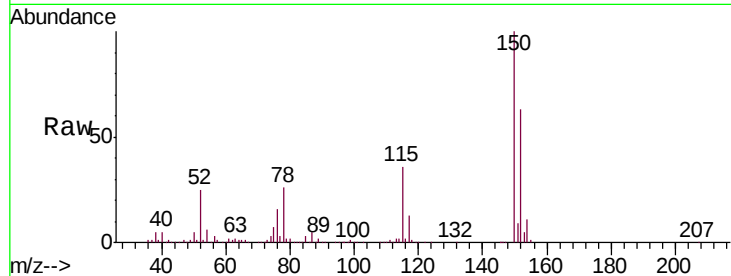


#72

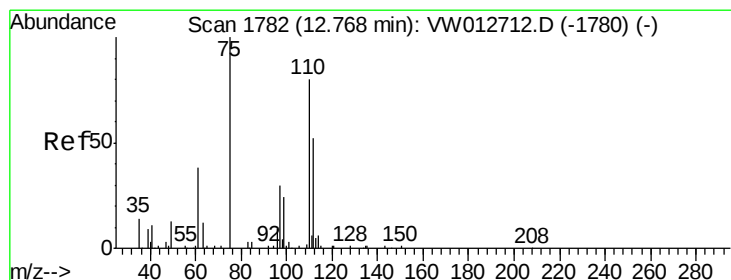
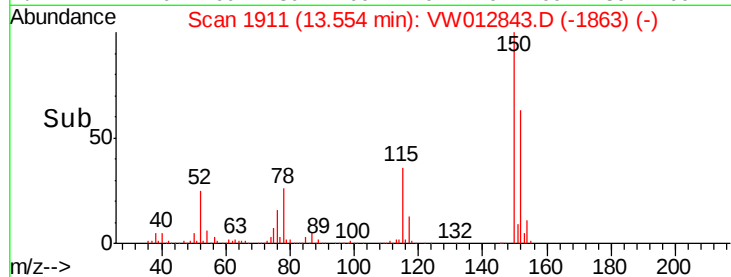
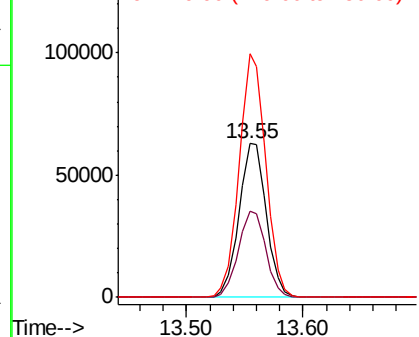
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(0)

Tgt Ion:152 Resp: 102518
Ion Ratio Lower Upper
152 100
115 56.7 30.0 90.1
150 154.5 0.0 349.0



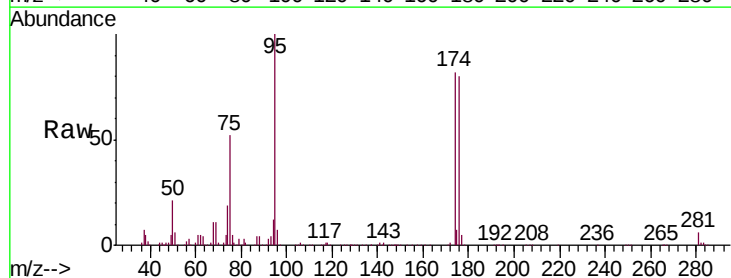
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



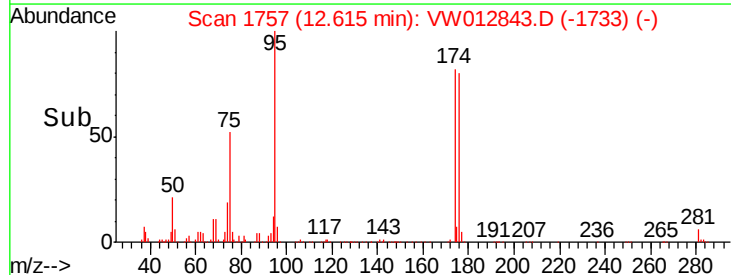
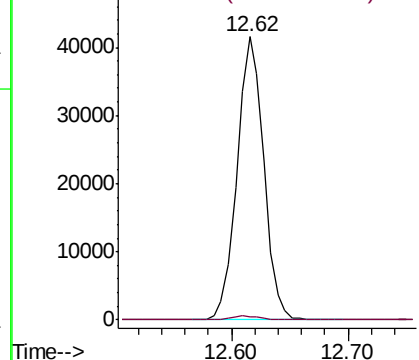
#76

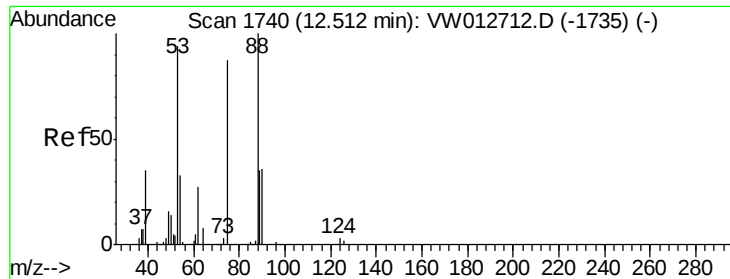
1,2,3-Trichloropropane
Concen: 63.211 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012843.D
Acq: 10 Sep 2019 01:29

Tgt Ion: 75 Resp: 66264
Ion Ratio Lower Upper
75 100
77 1.4 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: 133.696 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012843.D

Acq: 10 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

T11-D3-(0)

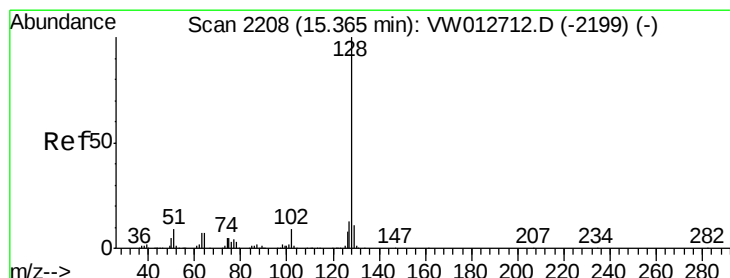
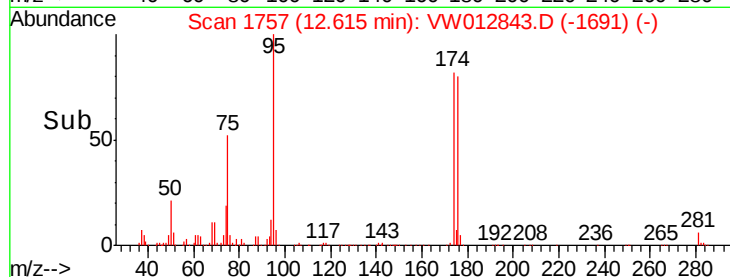
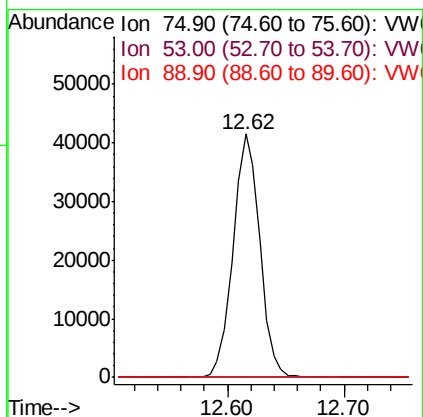
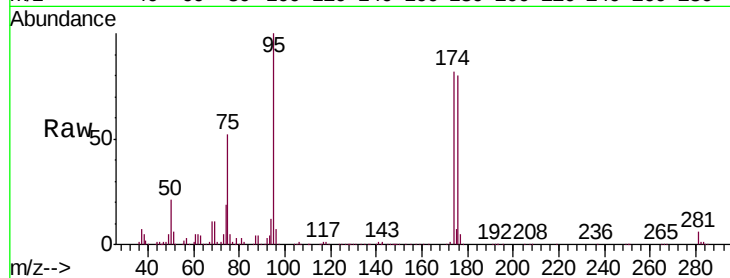
Tgt Ion: 75 Resp: 66264

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.556 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012843.D

Acq: 10 Sep 2019 01:29

Tgt Ion: 128 Resp: 551

Ion Ratio Lower Upper

128 100

127 18.9 10.7 16.1#

129 8.0 8.7 13.1#

