

Data File : VW012854.D
Acq On : 10 Sep 2019 06:14
Operator : SY/VA
Sample : K4644-14
Misc : 2.97G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(4)

Quant Time: Sep 10 07:11:43 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	255772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67867	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	135116	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	7.88	113	112348	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.32	98	435063	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.62	95	103415	31.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.30%	

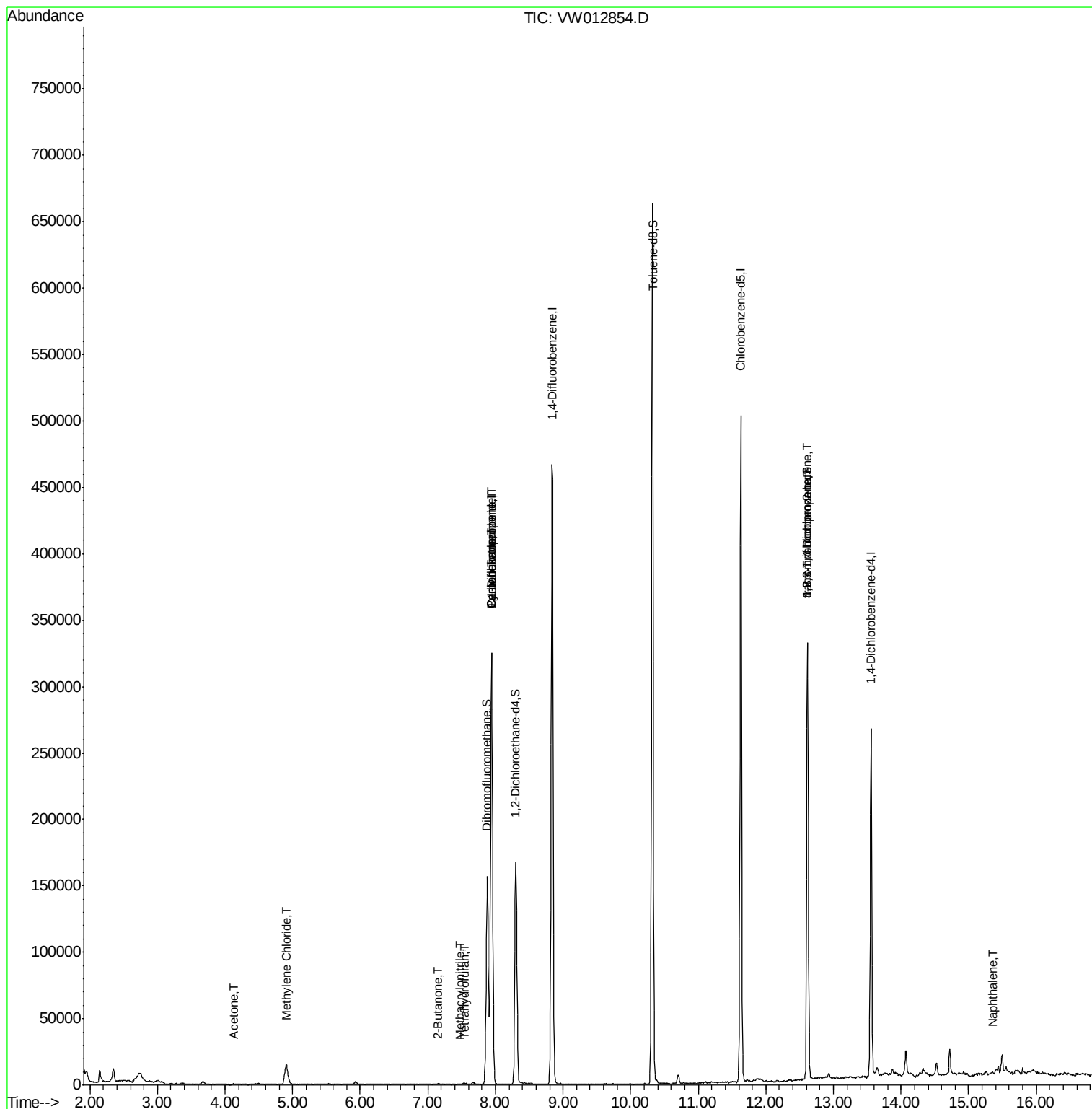
Target Compounds				Qvalue		
16) Acetone	4.13	43	1092	1.402	ug/l #	76
20) Methylene Chloride	4.91	84	11213	4.600	ug/l	85
25) 2-Butanone	7.15	43	67	19.734	ug/l #	53
29) Tetrahydrofuran	7.55	42	893	1.419	ug/l #	72
31) Cyclohexane	7.95	56	5302	1.262	ug/l #	6
36) 1,1-Dichloropropene	7.94	75	19026	5.541	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23999	7.090	ug/l #	16
41) Methacrylonitrile	7.47	41	60	3.876	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	54141	78.016	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54141	165.010	ug/l #	7
95) Naphthalene	15.36	128	213	4.507	ug/l #	69

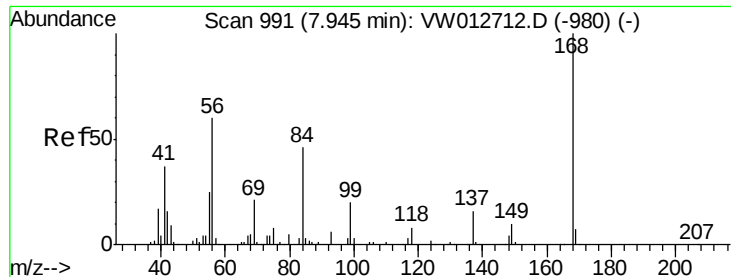
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012854.D

Acq: 10 Sep 2019 06:14

Instrument :

MSVOA_W

ClientSampleId :

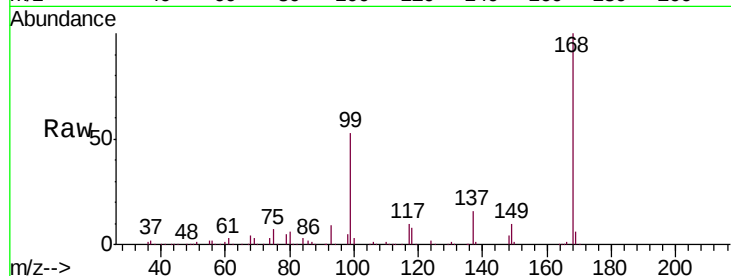
T11-E2-(4)

Tgt Ion:168 Resp: 255772

Ion Ratio Lower Upper

168 100

99 52.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

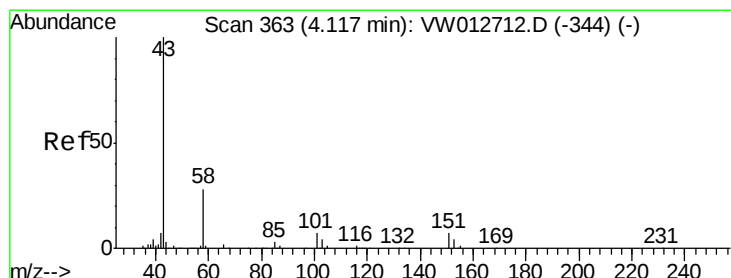
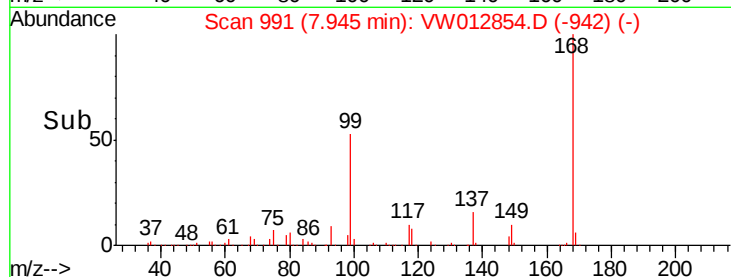
7.95

100000

50000

0

Time-->



#16

Acetone

Concen: 1.402 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012854.D

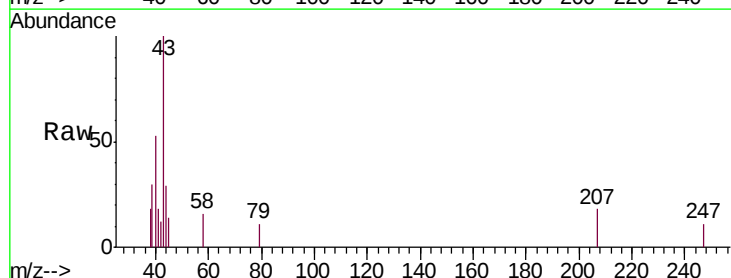
Acq: 10 Sep 2019 06:14

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

58 15.8 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

500

400

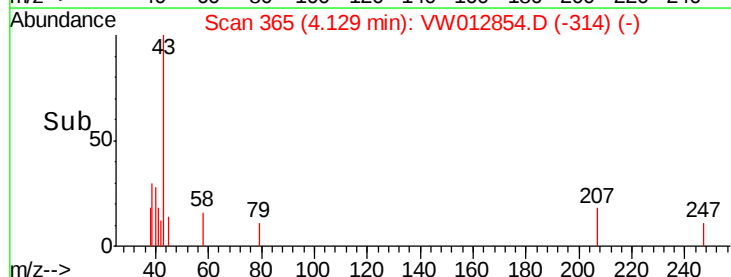
300

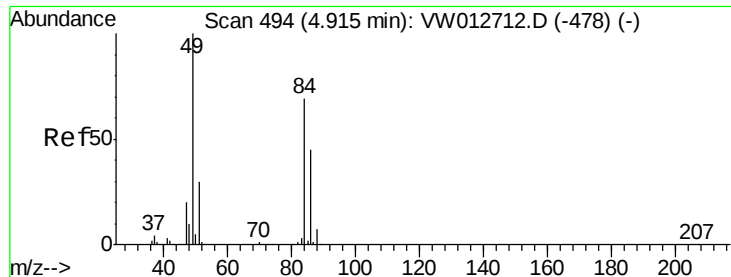
200

100

0

Time-->





#20

Methylene Chloride

Concen: 4.600 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012854.D

Acq: 10 Sep 2019 06:14

Instrument :

MSVOA_W

ClientSampled :

T11-E2-(4)

Tgt Ion: 84 Resp: 11213

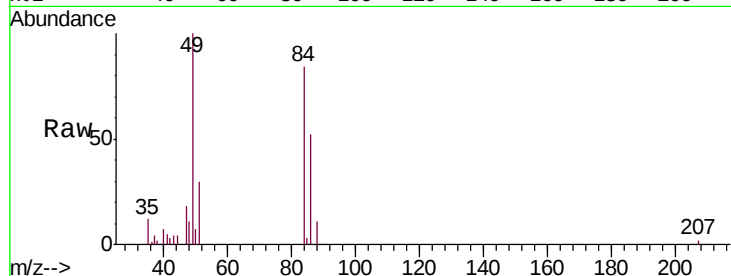
Ion Ratio Lower Upper

84 100

49 118.4 115.4 173.0

51 35.7 34.9 52.3

86 61.9 52.2 78.4

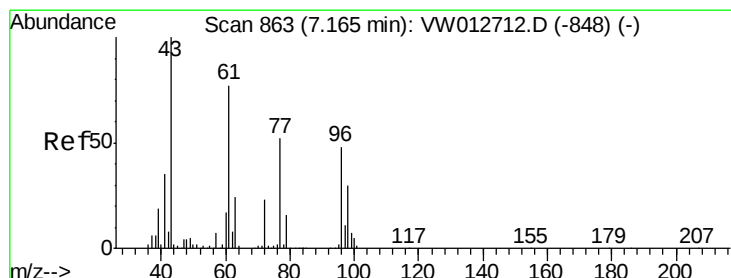
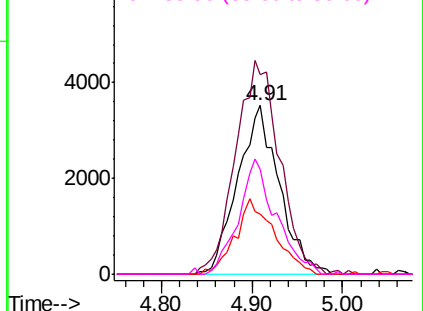
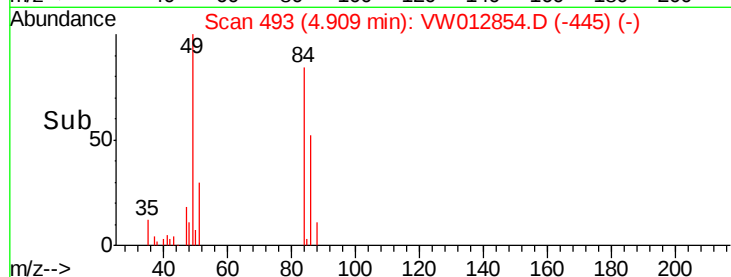


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 19.734 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012854.D

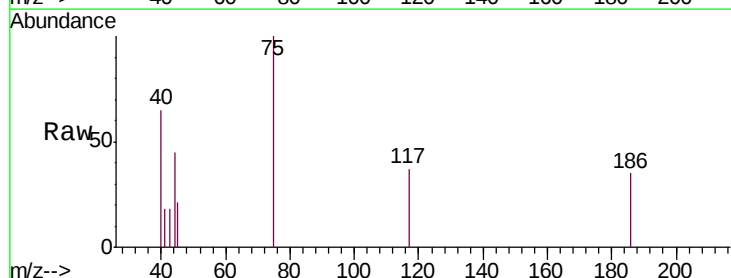
Acq: 10 Sep 2019 06:14

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

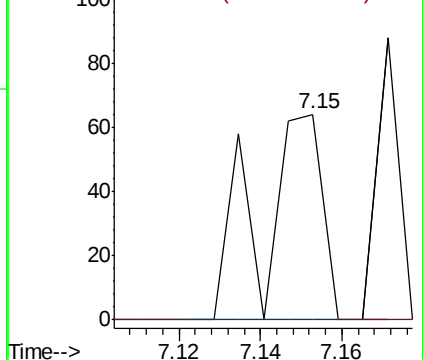
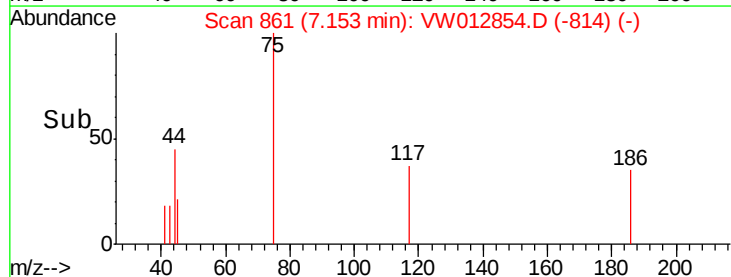
43 100

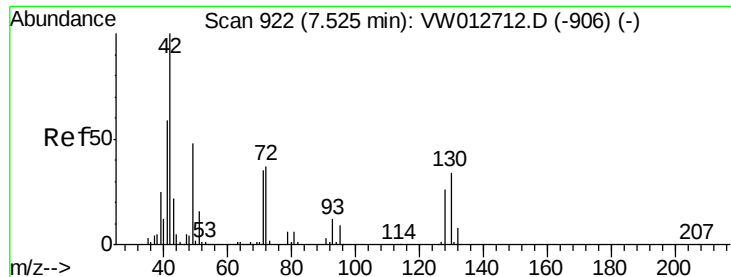
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

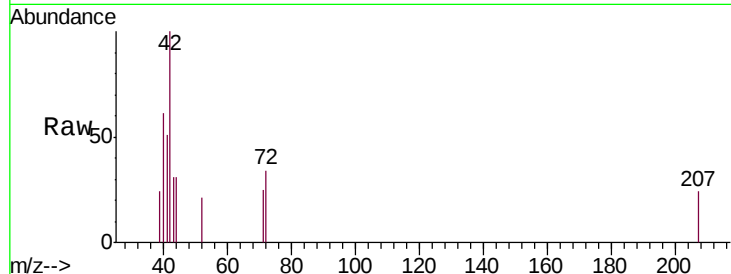




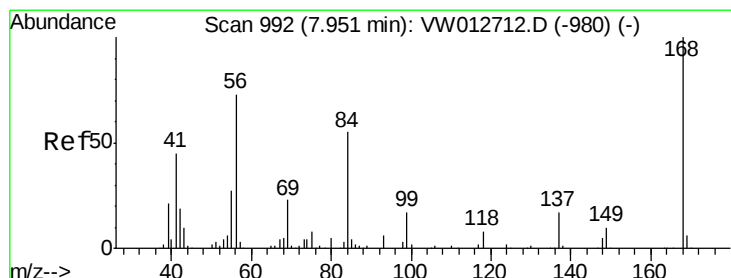
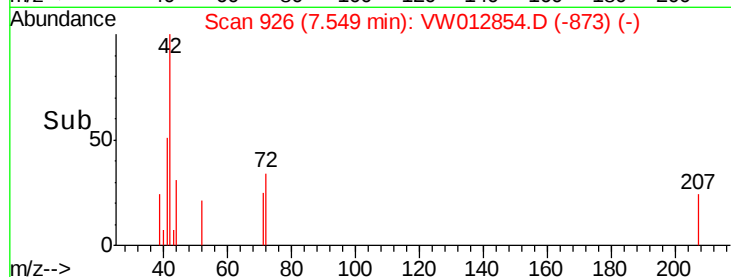
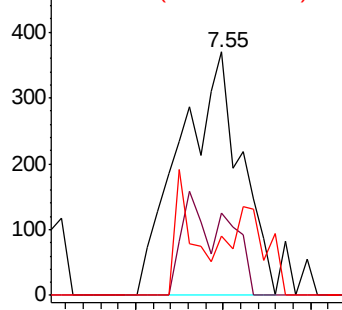
#29
Tetrahydrofuran
Concen: 1.419 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW012854.D
Acq: 10 Sep 2019 06:14

Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(4)

Tgt Ion: 42 Resp: 893
Ion Ratio Lower Upper
42 100
72 13.1 28.4 42.6#
71 23.5 27.1 40.7#

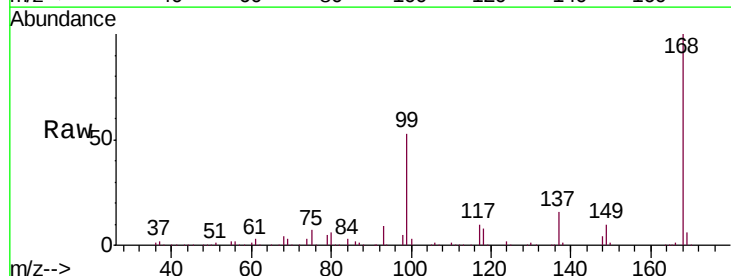


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

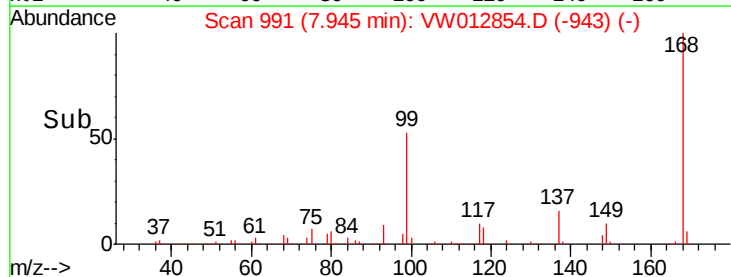
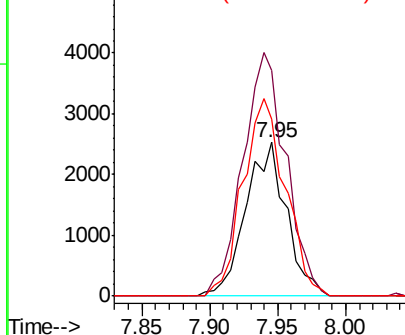


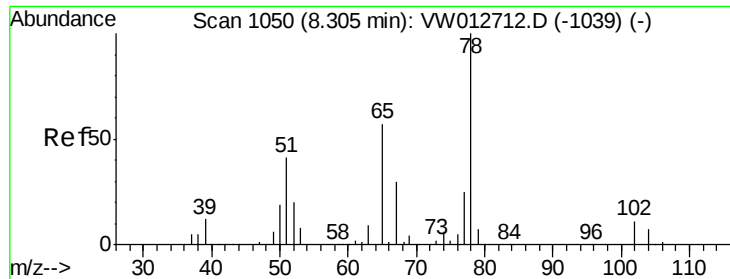
#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012854.D
Acq: 10 Sep 2019 06:14

Tgt Ion: 56 Resp: 5302
Ion Ratio Lower Upper
56 100
69 146.5 25.7 38.5#
84 115.4 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

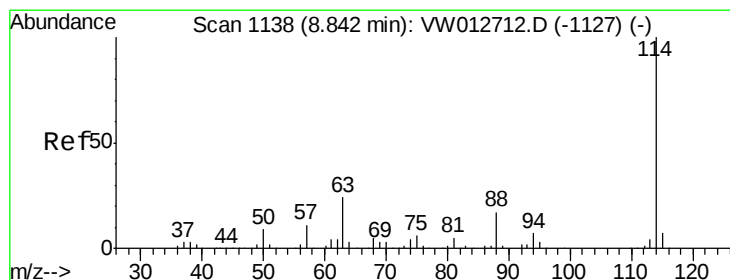
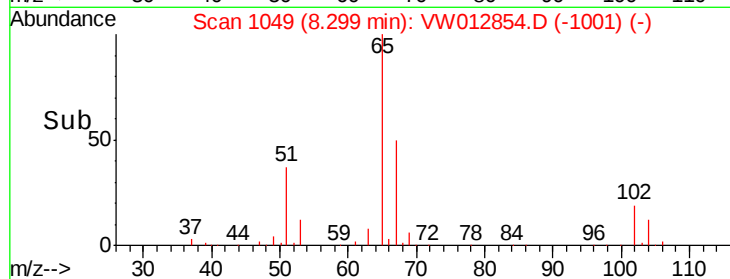
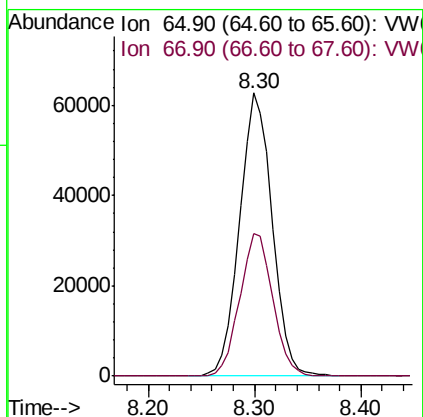
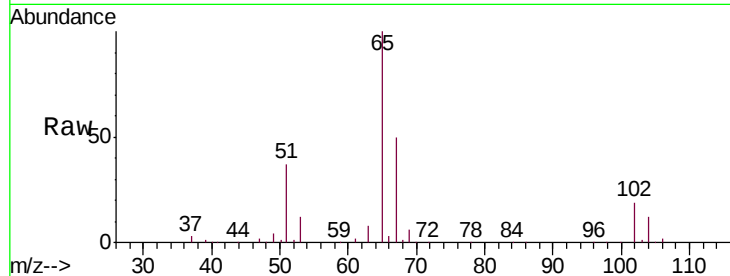




#33
 1,2-Dichloroethane-d4
 Concen: 47.279 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012854.D
 Acq: 10 Sep 2019 06:14

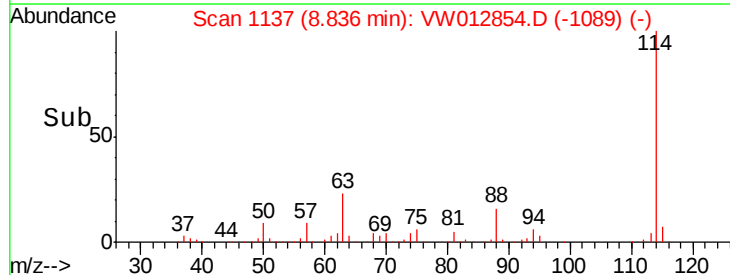
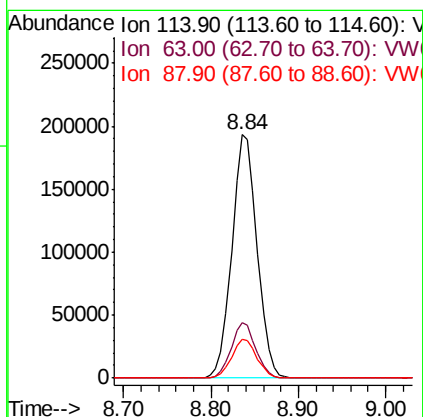
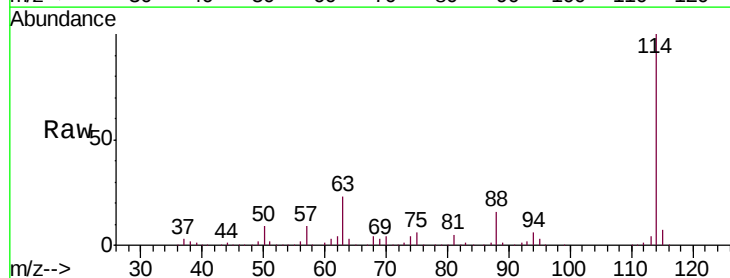
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E2-(4)

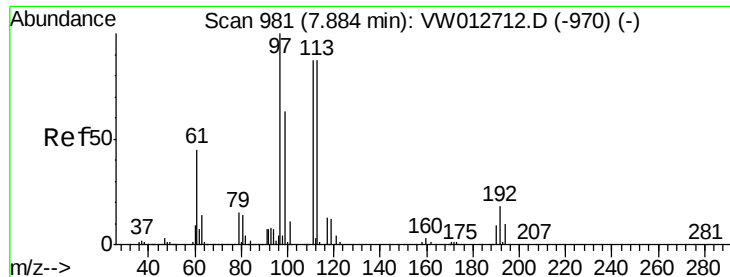
Tgt Ion: 65 Resp: 135116
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012854.D
 Acq: 10 Sep 2019 06:14

Tgt Ion: 114 Resp: 386447
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 16.0 0.0 34.0

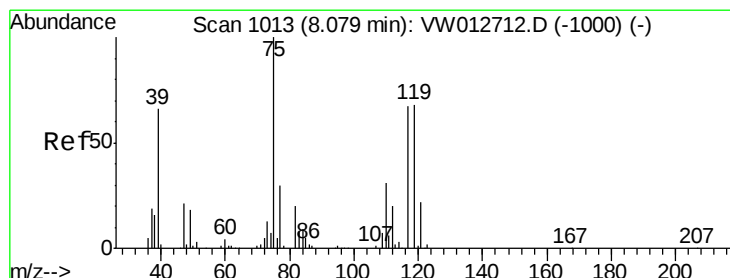
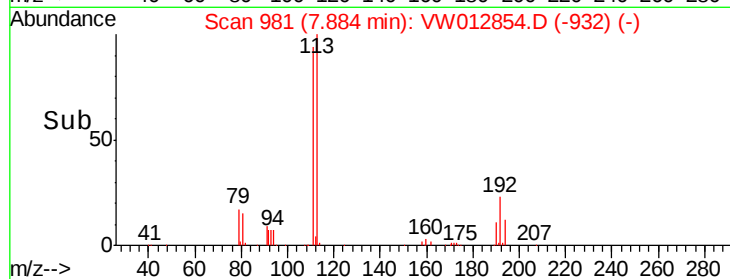
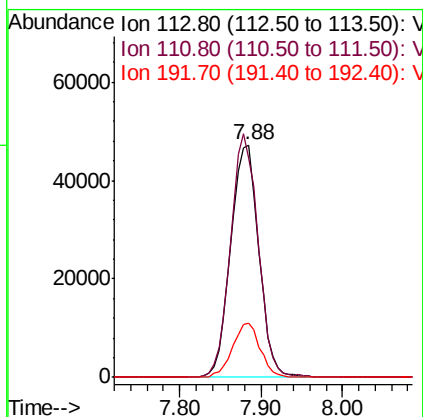
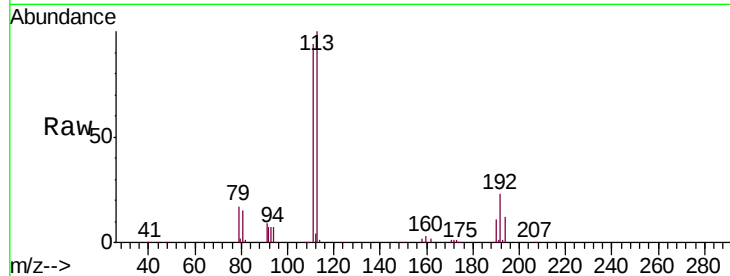




#35
 Dibromofluoromethane
 Concen: 48.899 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012854.D
 Acq: 10 Sep 2019 06:14

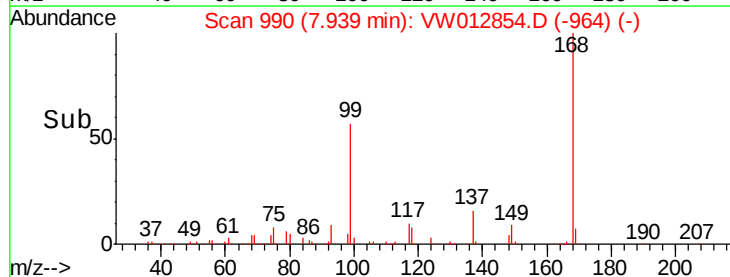
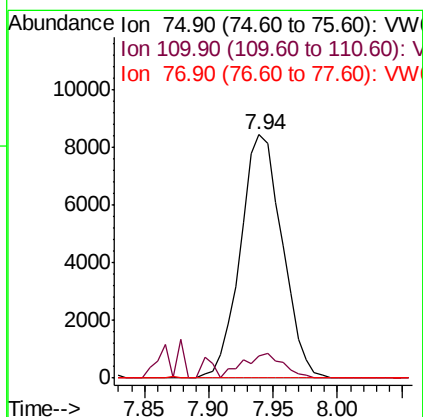
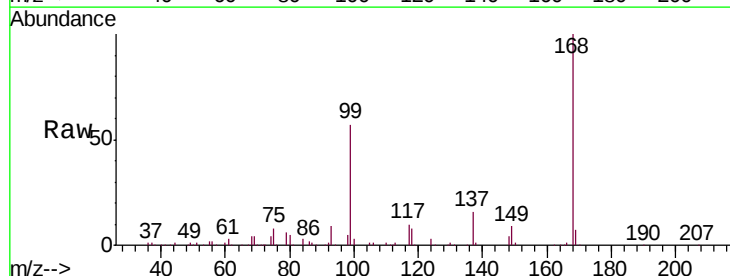
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E2-(4)

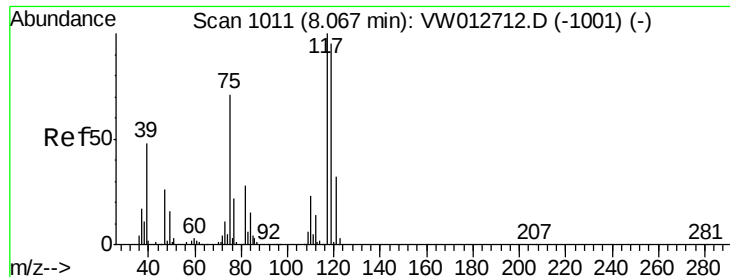
Tgt Ion: 113 Resp: 112348
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.2 120.4
 192 22.9 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.541 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012854.D
 Acq: 10 Sep 2019 06:14

Tgt Ion: 75 Resp: 19026
 Ion Ratio Lower Upper
 75 100
 110 9.7 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.090 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012854.D

Acq: 10 Sep 2019 06:14

Instrument :

MSVOA_W

ClientSampleId :

T11-E2-(4)

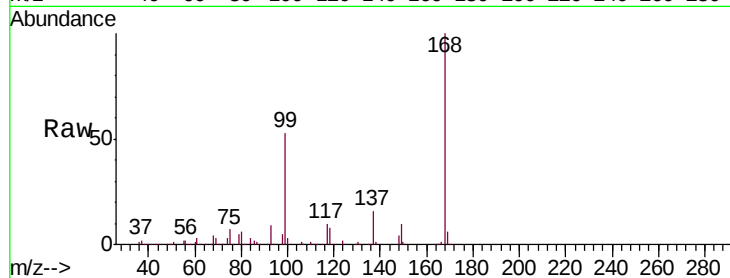
Tgt Ion:117 Resp: 23999

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

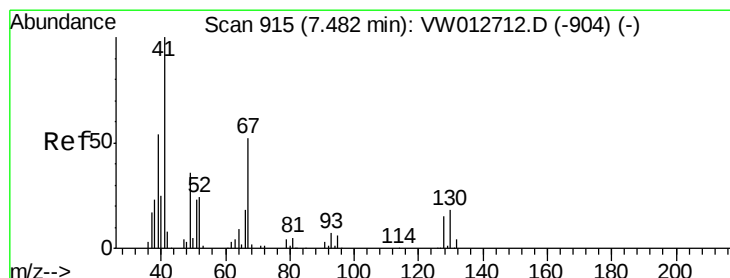
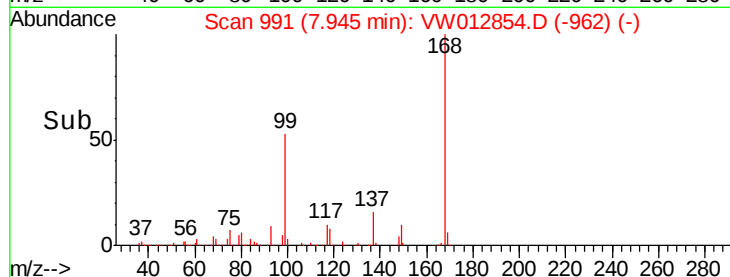
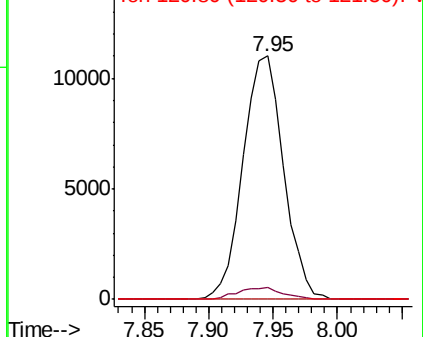
121 0.0 25.4 38.2#



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: 3.876 ug/l

RT: 7.47 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW012854.D

Acq: 10 Sep 2019 06:14

Tgt Ion: 41 Resp: 60

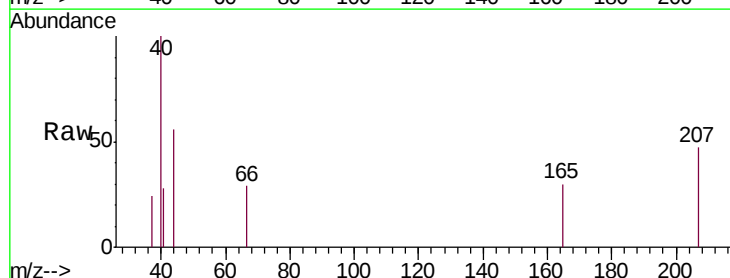
Ion Ratio Lower Upper

41 100

39 36.7 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

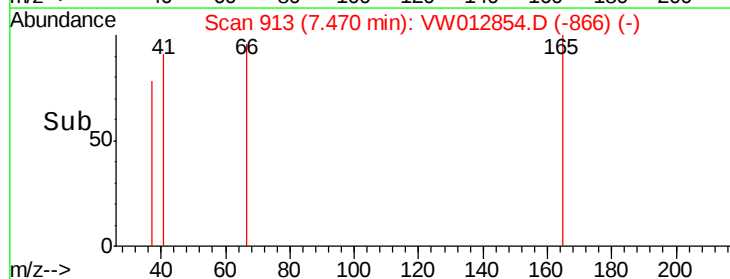
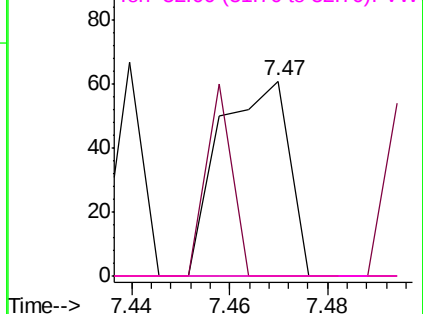


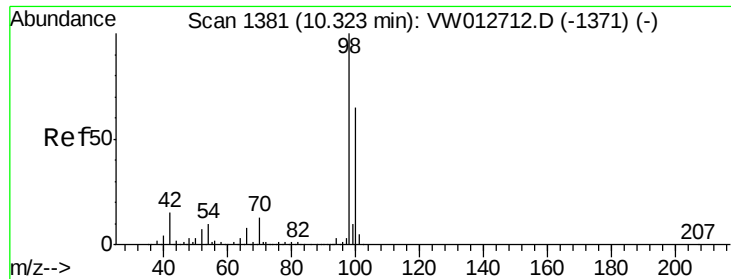
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 48.334 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012854.D

Acq: 10 Sep 2019 06:14

Instrument :

MSVOA_W

ClientSampled :

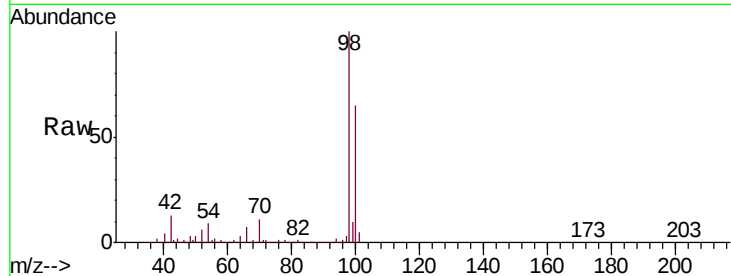
T11-E2-(4)

Tgt Ion: 98 Resp: 435063

Ion Ratio Lower Upper

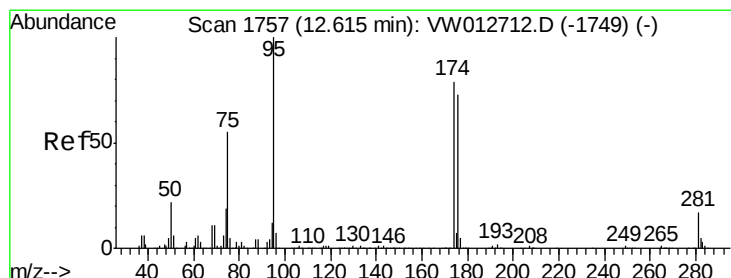
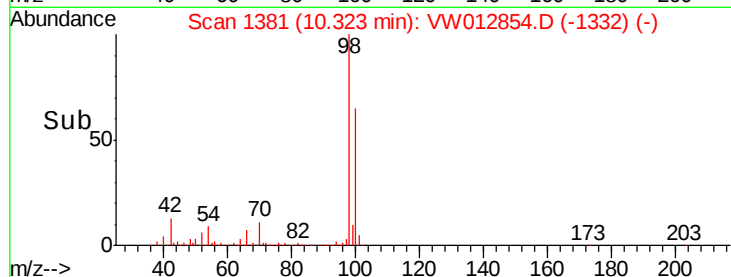
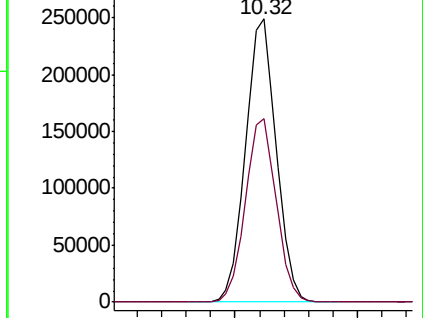
98 100

100 65.1 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: 31.648 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012854.D

Acq: 10 Sep 2019 06:14

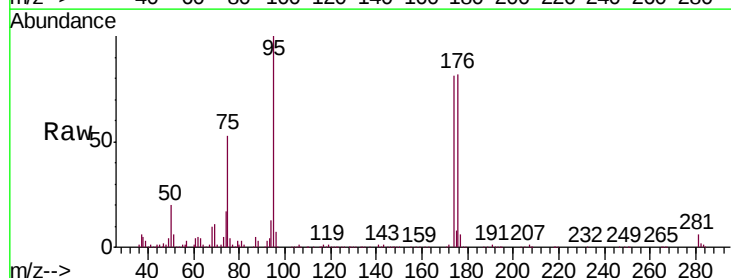
Tgt Ion: 95 Resp: 103415

Ion Ratio Lower Upper

95 100

174 83.4 0.0 161.0

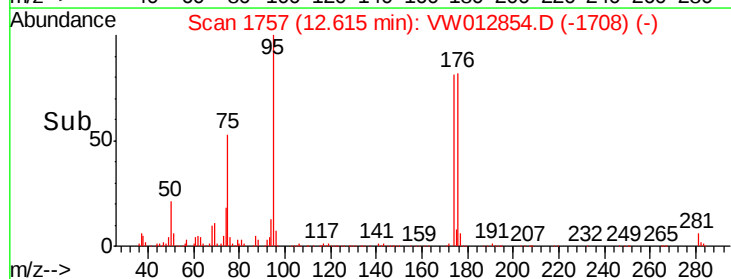
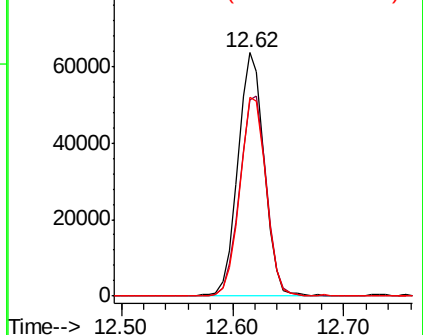
176 81.7 0.0 156.4

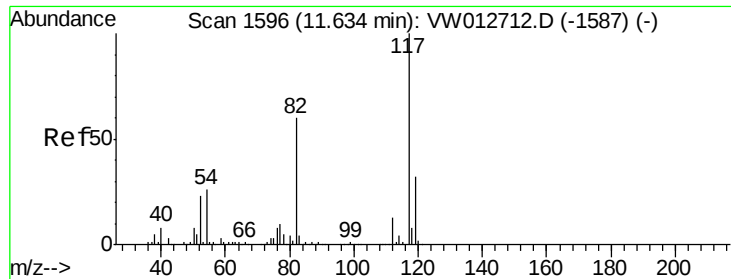


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

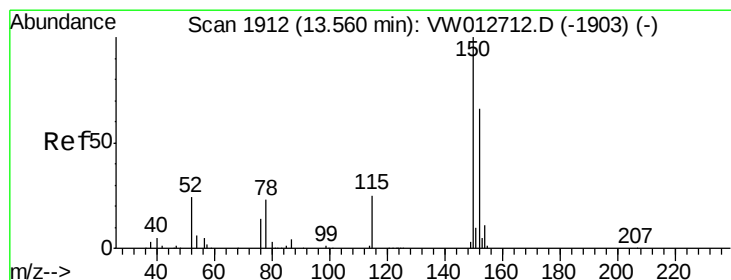
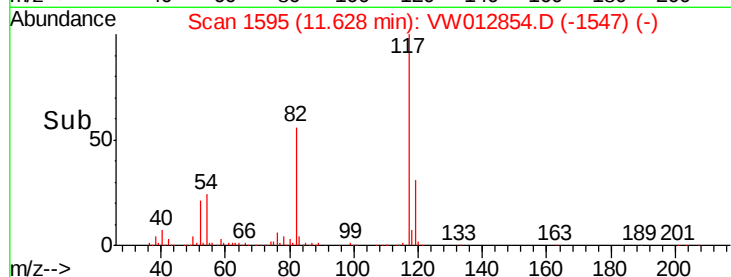
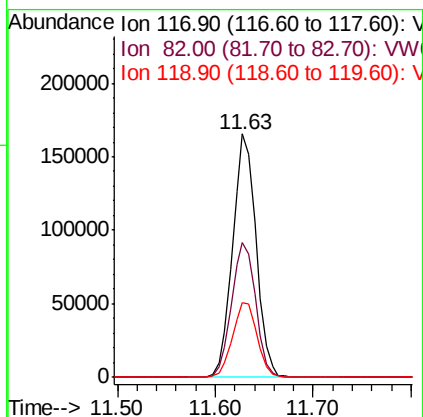
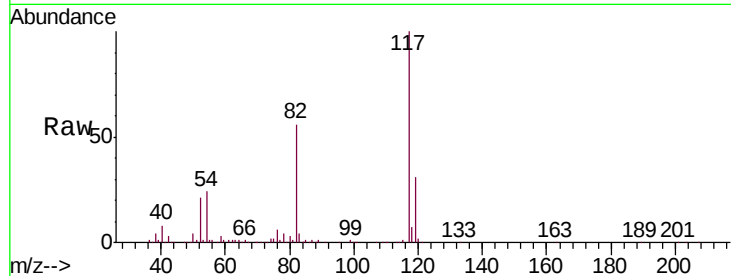




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012854.D
Acq: 10 Sep 2019 06:14

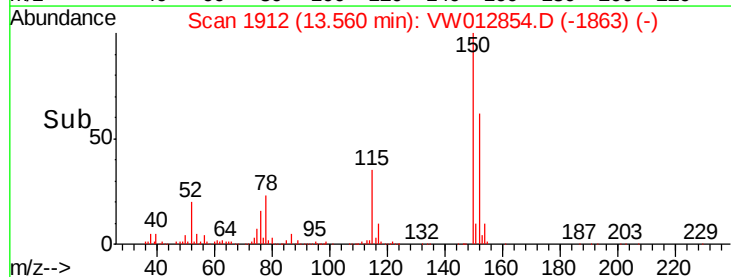
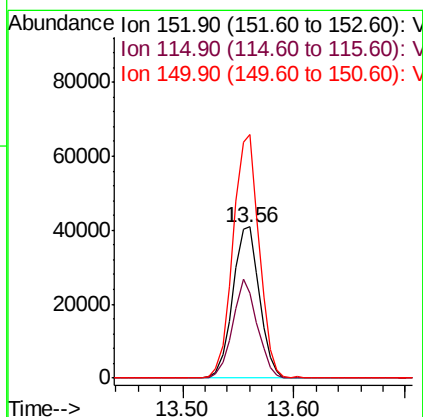
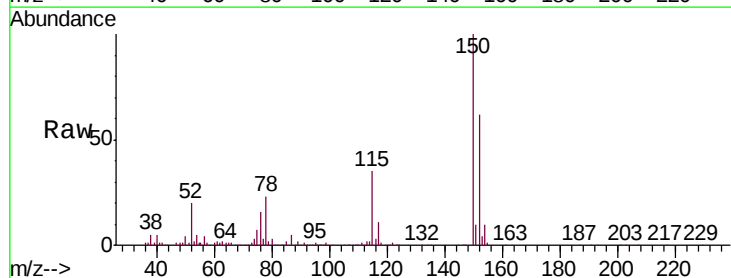
Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(4)

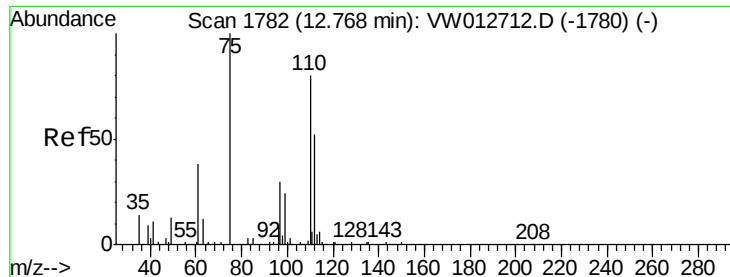
Tgt Ion:117 Resp: 275503
Ion Ratio Lower Upper
117 100
82 55.6 48.2 72.4
119 30.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012854.D
Acq: 10 Sep 2019 06:14

Tgt Ion:152 Resp: 67867
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.1
150 157.3 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 78.016 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012854.D

Acq: 10 Sep 2019 06:14

Instrument :

MSVOA_W

ClientSampleId :

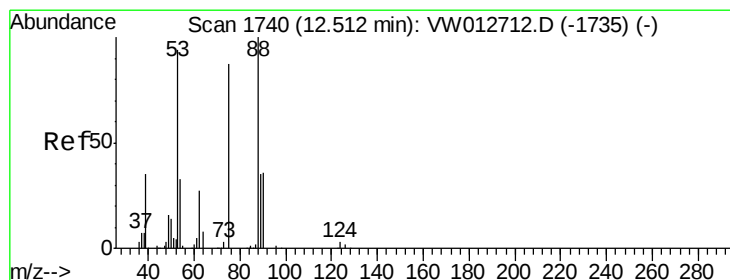
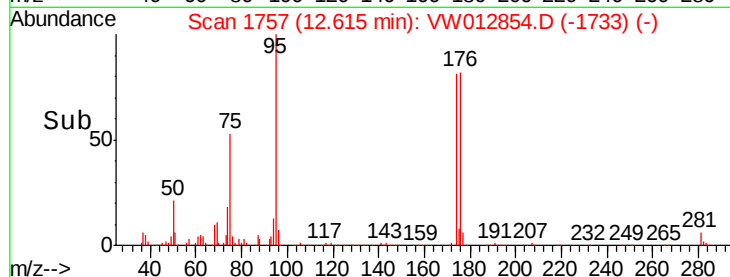
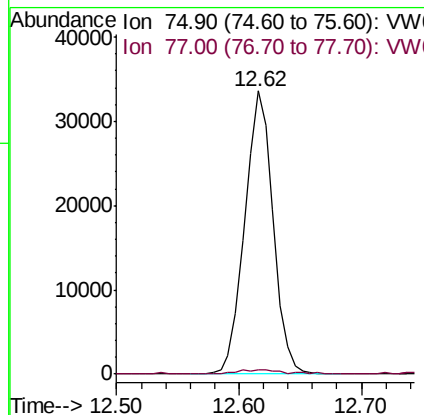
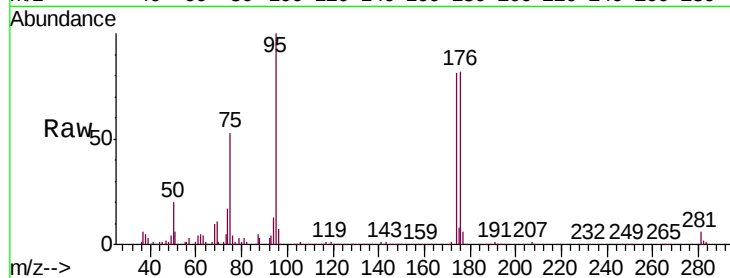
T11-E2-(4)

Tgt Ion: 75 Resp: 54141

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 165.010 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012854.D

Acq: 10 Sep 2019 06:14

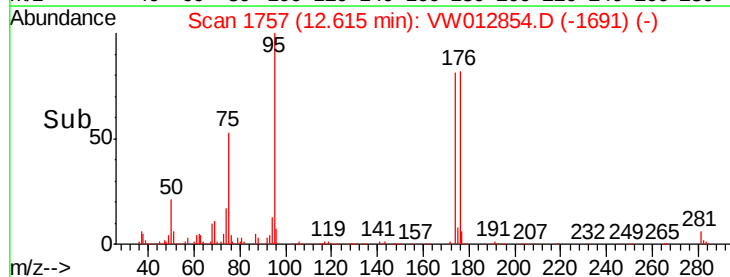
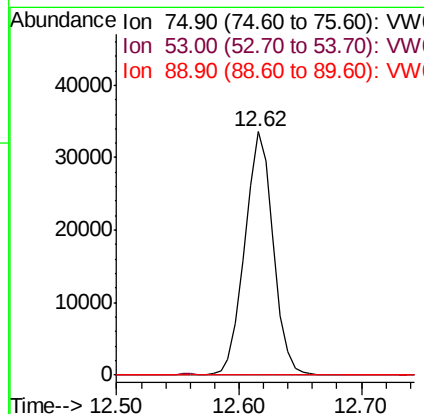
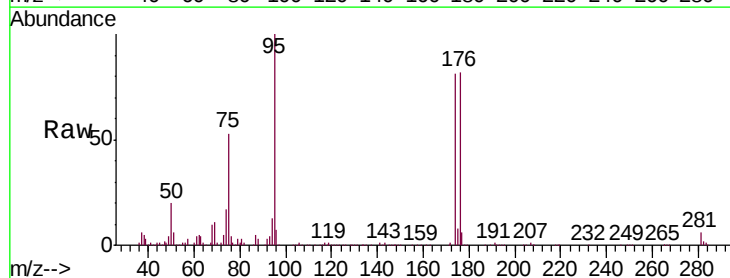
Tgt Ion: 75 Resp: 54141

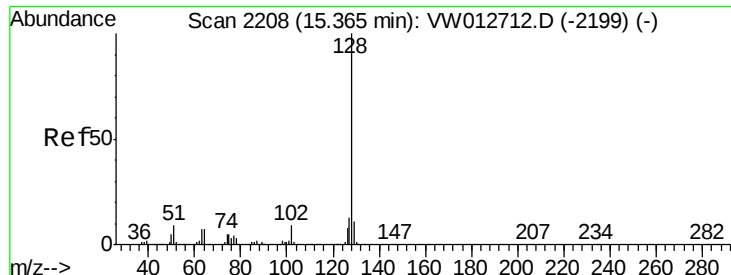
Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.2 35.5 53.3#

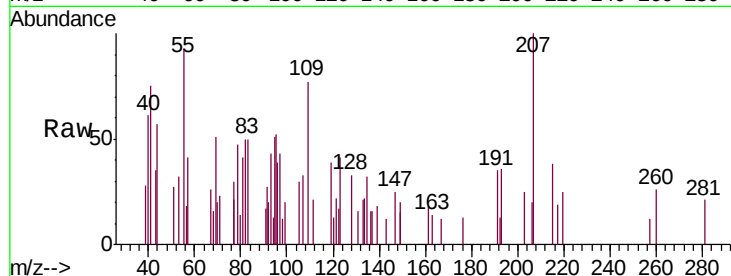




#95
Naphthalene
Concen: 4.507 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012854.D
Acq: 10 Sep 2019 06:14

Instrument :
MSVOA_W
ClientSampleId :
T11-E2-(4)

Tgt Ion:128 Resp: 213
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

