

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013251.D
 Acq On : 24 Sep 2019 02:03
 Operator : SY/VA
 Sample : K4962-04
 Misc : 5.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TH-3

Quant Time: Sep 24 06:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	357380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	542916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	453771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195786	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	157768	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	7.88	113	153996	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.32	98	625803	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.62	95	192653	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

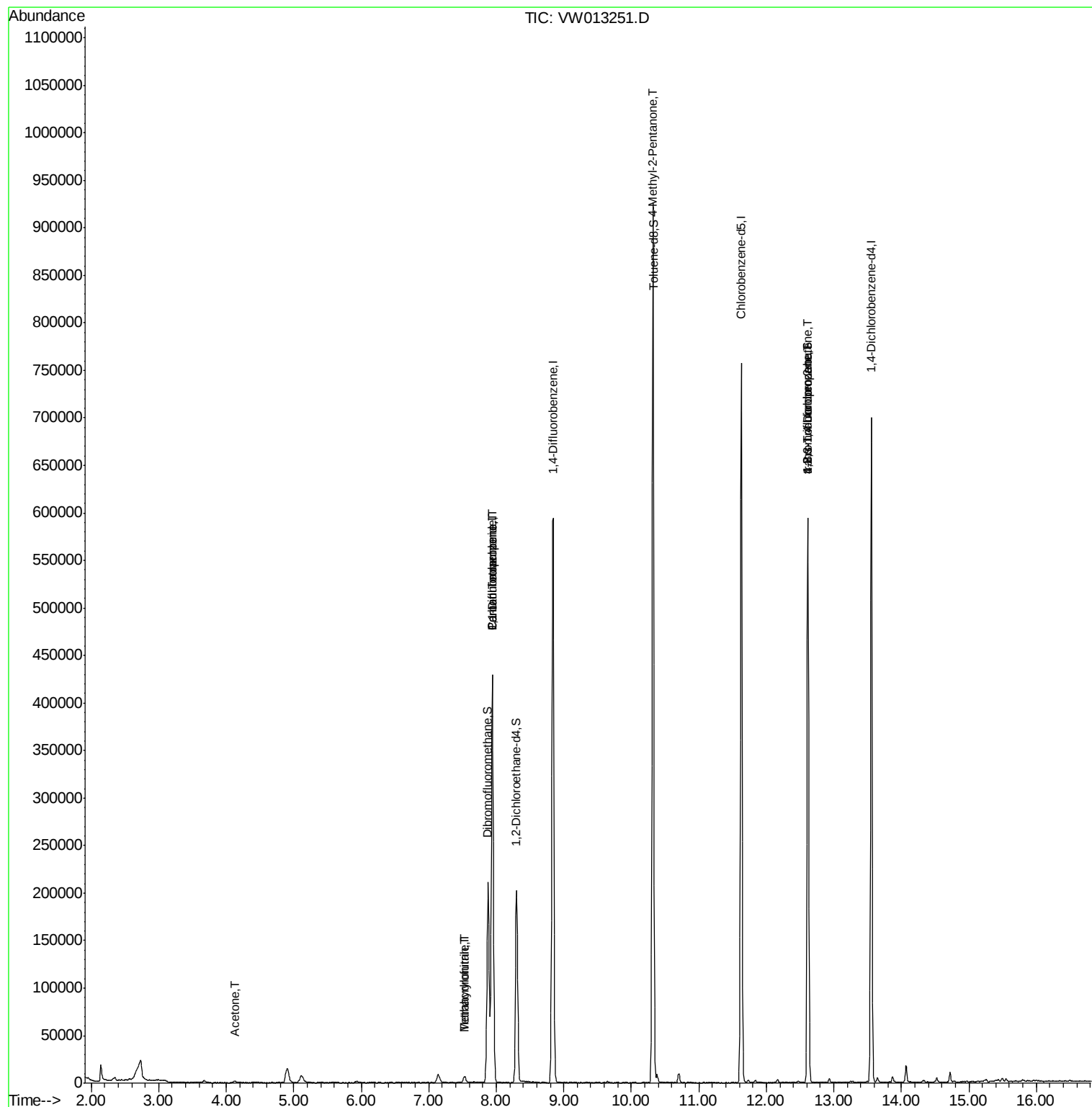
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1362	Below Cal	#	88
16) Acetone	4.13	43	3483	5.295	ug/l #	68
26) 2,2-Dichloropropane	7.13	77	687	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	5733	9.468	ug/l	97
36) 1,1-Dichloropropene	7.94	75	23029	4.379	ug/l #	49
38) Carbon Tetrachloride	7.95	117	31615	6.707	ug/l #	18
41) Methacrylonitrile	7.54	41	3342	2.506	ug/l #	35
51) 4-Methyl-2-Pentanone	10.31	43	2711	1.262	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	92142	53.291	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92142	119.579	ug/l #	12

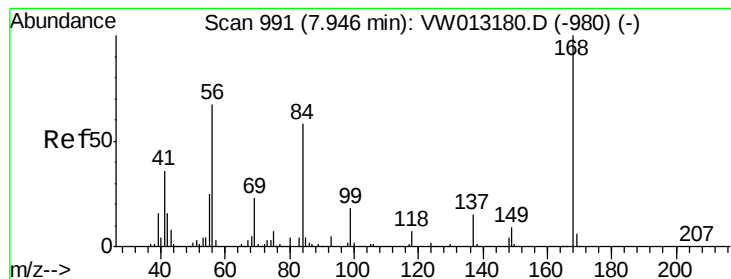
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
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: VW013251.D

Acq: 24 Sep 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

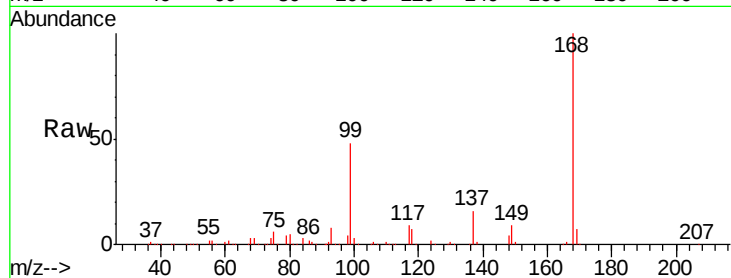
TH-3

Tgt Ion:168 Resp: 357380

Ion Ratio Lower Upper

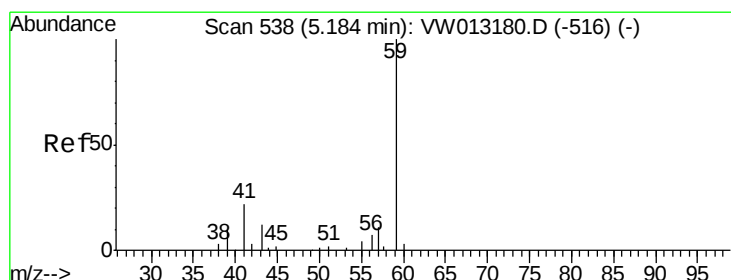
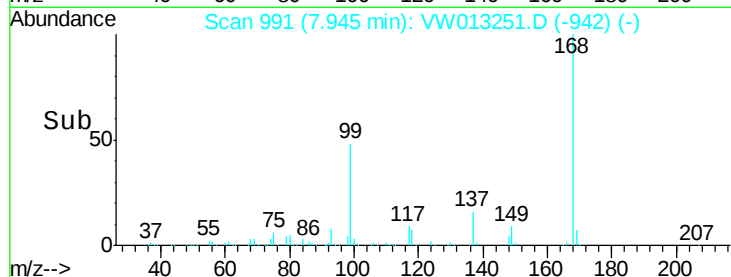
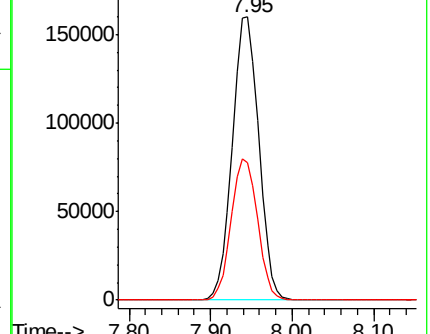
168 100

99 48.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW013251.D

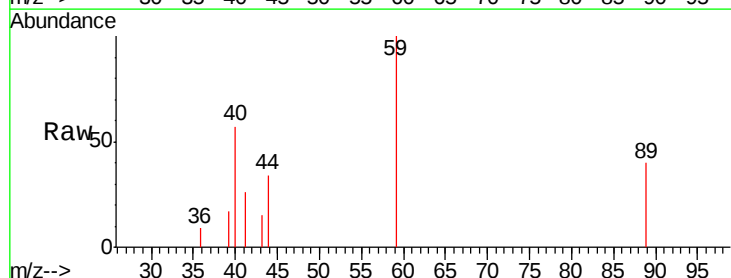
Acq: 24 Sep 2019 02:03

Tgt Ion: 59 Resp: 1362

Ion Ratio Lower Upper

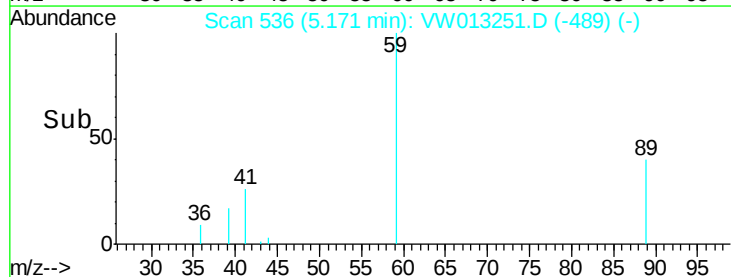
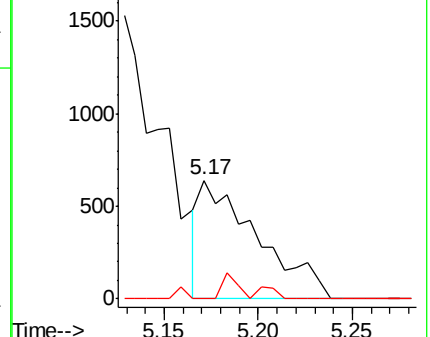
59 100

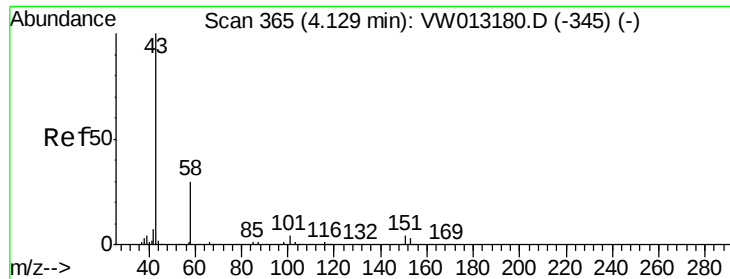
57 5.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.295 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013251.D

Acq: 24 Sep 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

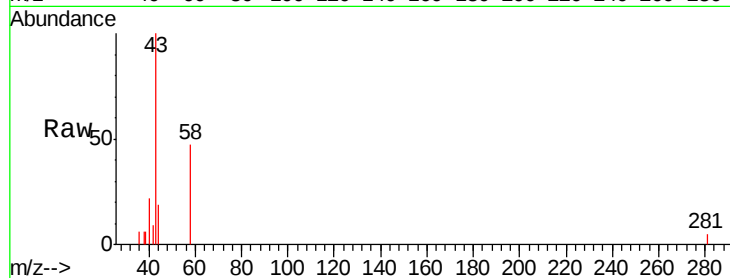
TH-3

Tgt Ion: 43 Resp: 3483

Ion Ratio Lower Upper

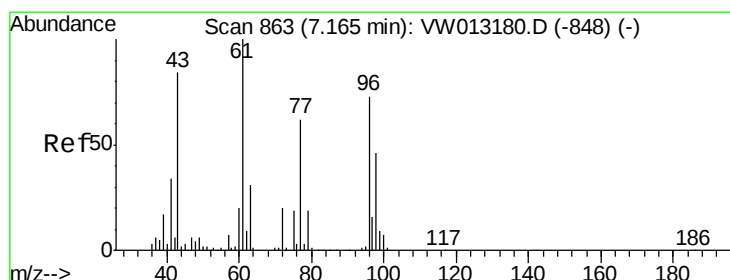
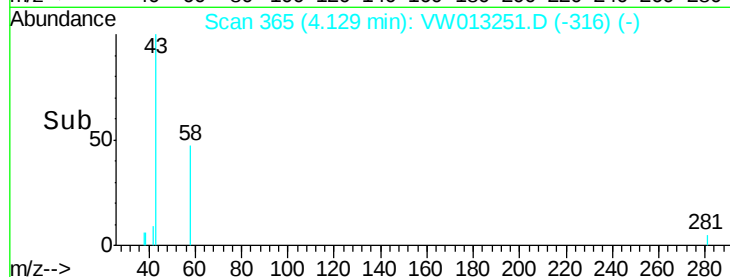
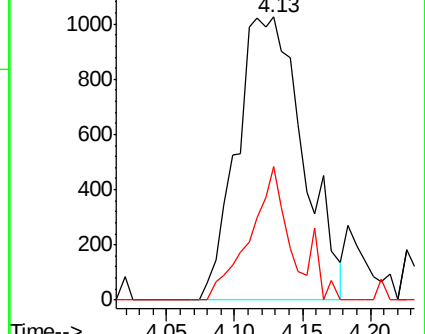
43 100

58 47.3 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013251.D

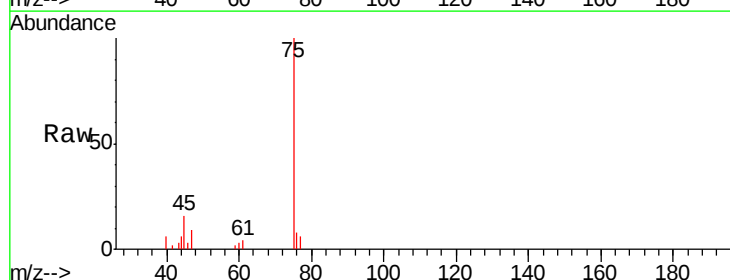
Acq: 24 Sep 2019 02:03

Tgt Ion: 77 Resp: 687

Ion Ratio Lower Upper

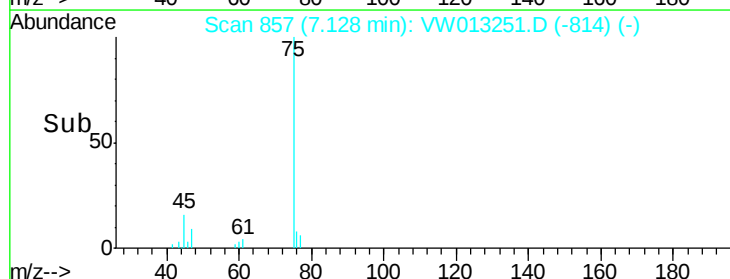
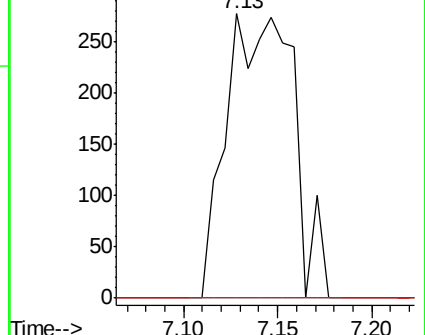
77 100

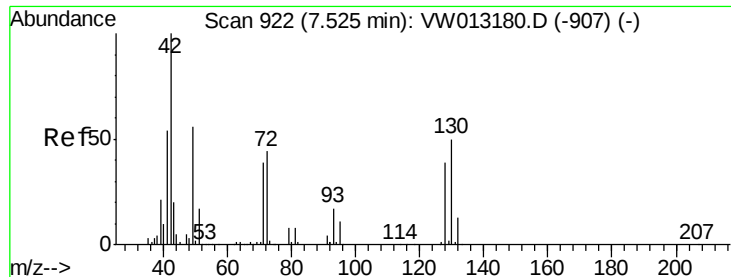
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

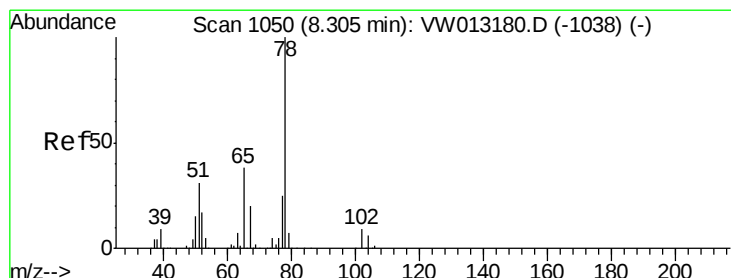
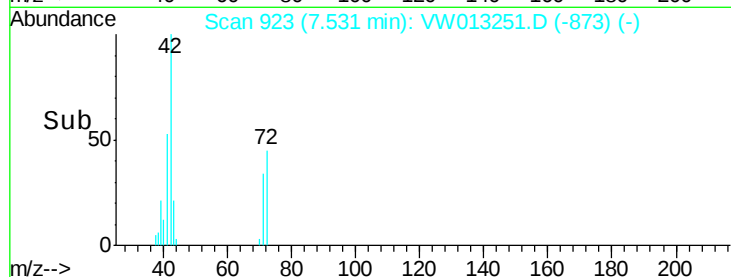
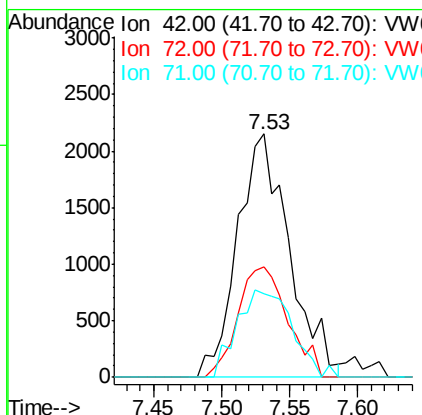
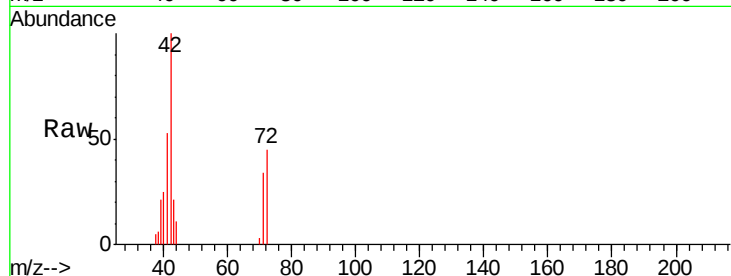




#29
Tetrahydrofuran
Concen: 9.468 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013251.D
Acq: 24 Sep 2019 02:03

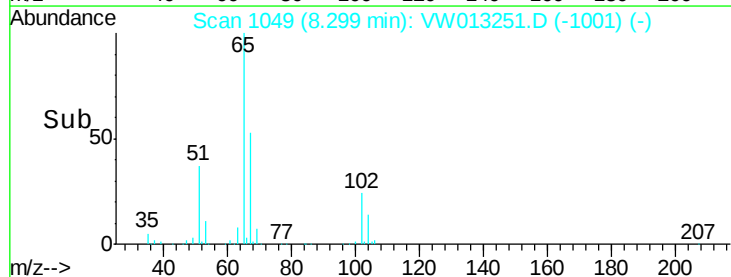
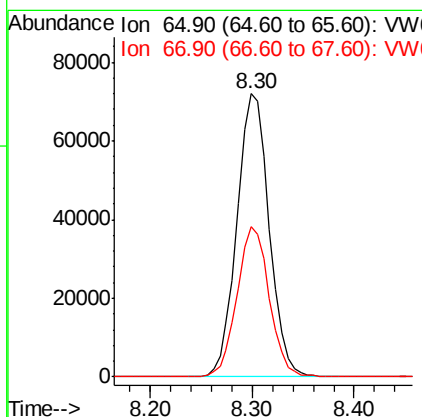
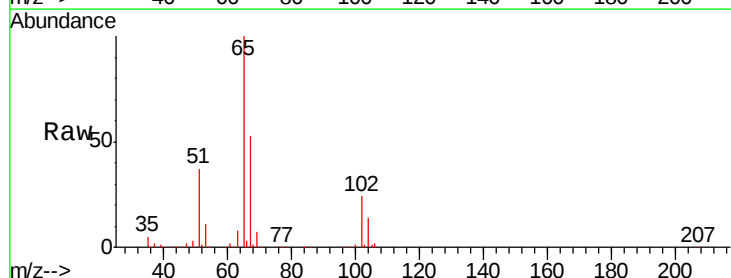
Instrument :
MSVOA_W
ClientSampled :
TH-3

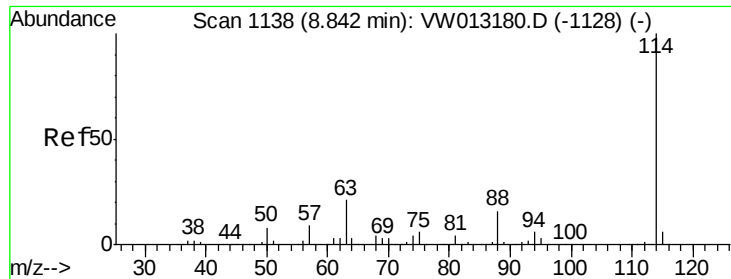
Tgt Ion: 42 Resp: 5733
Ion Ratio Lower Upper
42 100
72 43.7 33.9 50.9
71 38.1 31.9 47.9



#33
1,2-Dichloroethane-d4
Concen: 54.090 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013251.D
Acq: 24 Sep 2019 02:03

Tgt Ion: 65 Resp: 157768
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.2

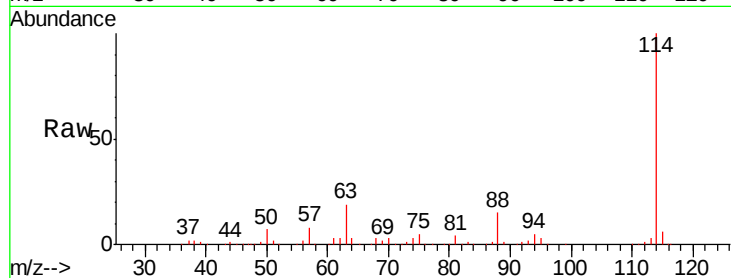




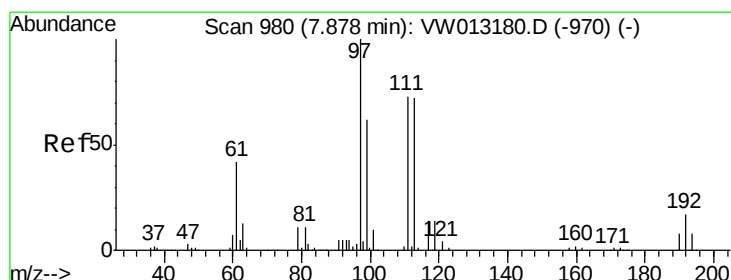
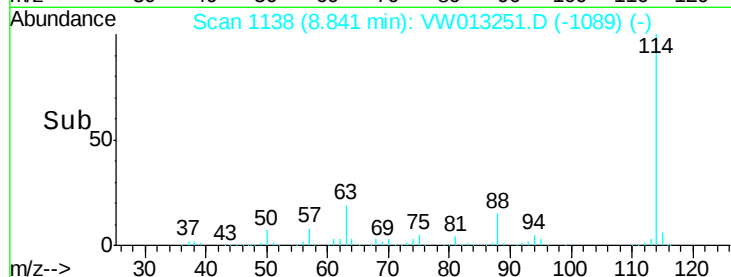
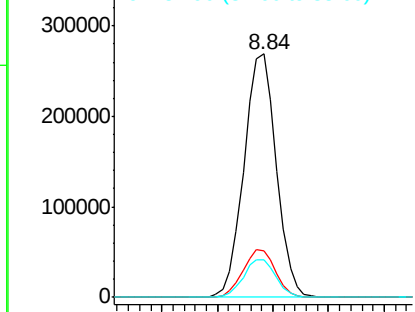
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013251.D
Acq: 24 Sep 2019 02:03

Instrument :
MSVOA_W
ClientSampleId :
TH-3

Tgt Ion:114 Resp: 542916
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.4
88 15.4 0.0 32.0

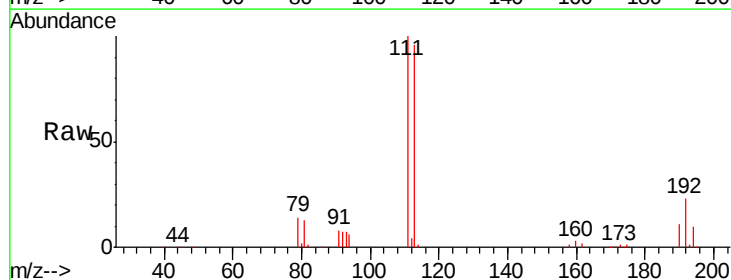


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

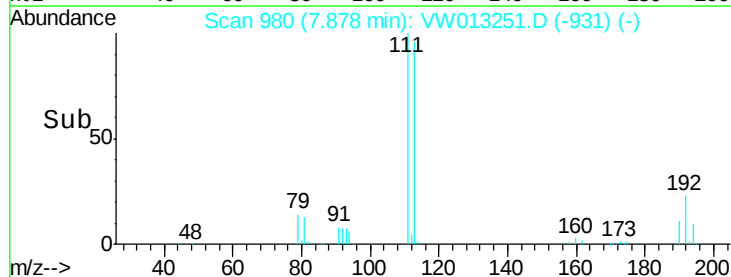
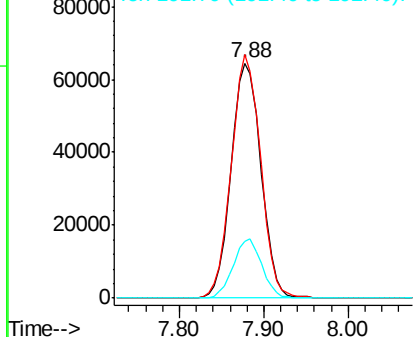


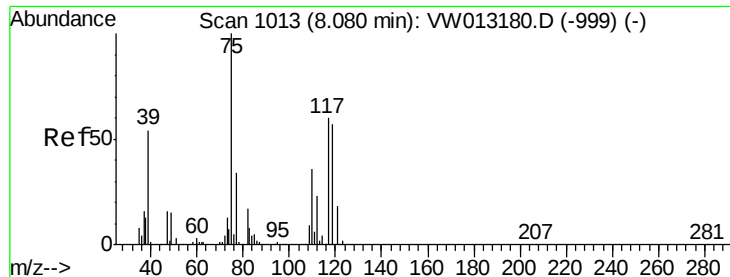
#35
Dibromofluoromethane
Concen: 51.572 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013251.D
Acq: 24 Sep 2019 02:03

Tgt Ion:113 Resp: 153996
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 24.1 19.1 28.7



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: 4.379 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013251.D

Acq: 24 Sep 2019 02:03

Instrument :

MSVOA_W

ClientSampled :

TH-3

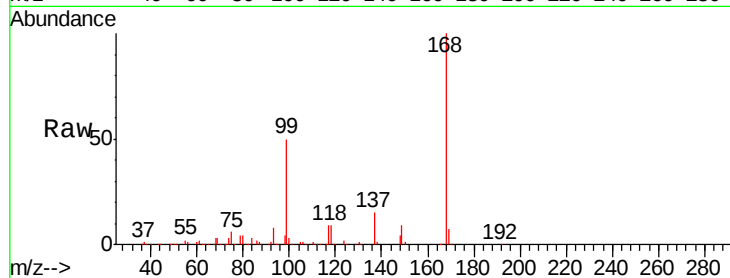
Tgt Ion: 75 Resp: 23029

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.3#

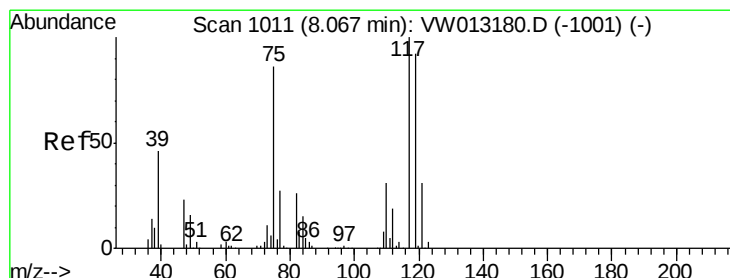
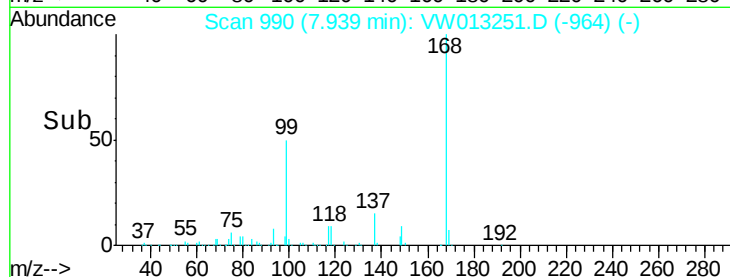
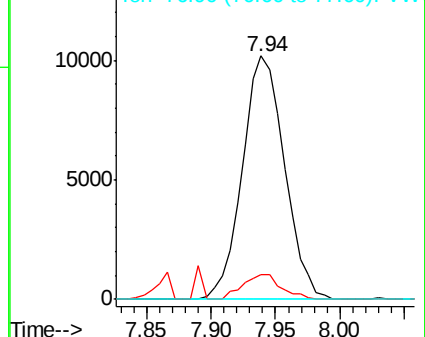
77 0.0 25.8 38.6#



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: 6.707 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013251.D

Acq: 24 Sep 2019 02:03

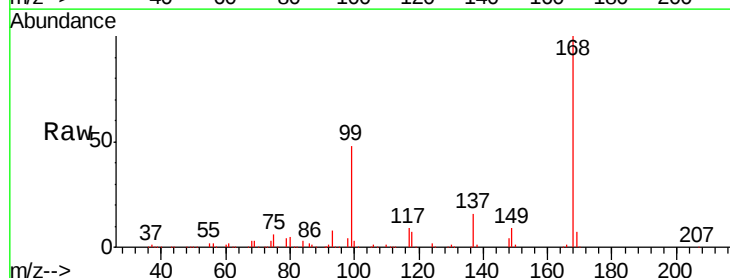
Tgt Ion: 117 Resp: 31615

Ion Ratio Lower Upper

117 100

119 5.7 73.5 110.3#

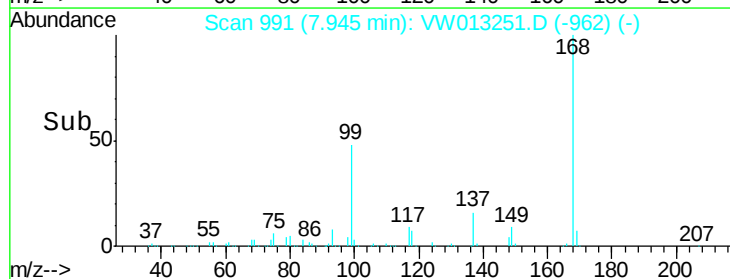
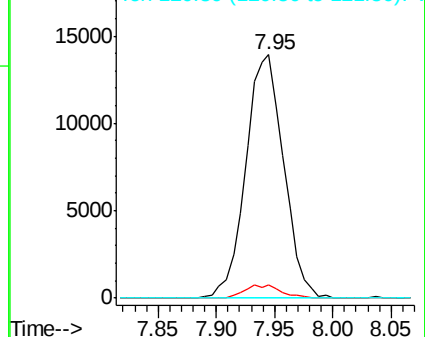
121 0.0 25.0 37.6#

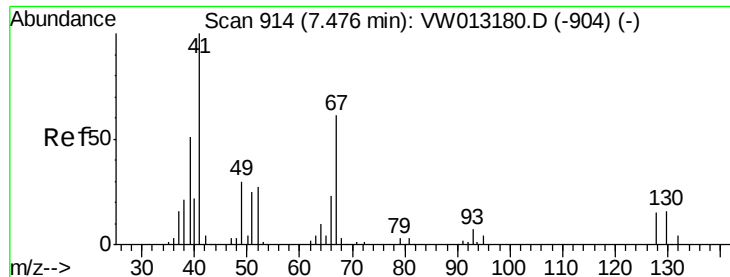


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 2.506 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW013251.D

Acq: 24 Sep 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

TH-3

Tgt Ion: 41 Resp: 3342

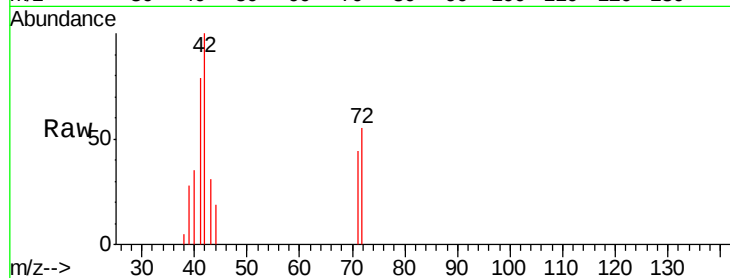
Ion Ratio Lower Upper

41 100

39 22.2 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

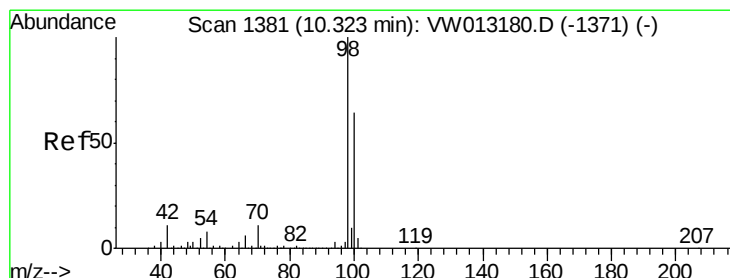
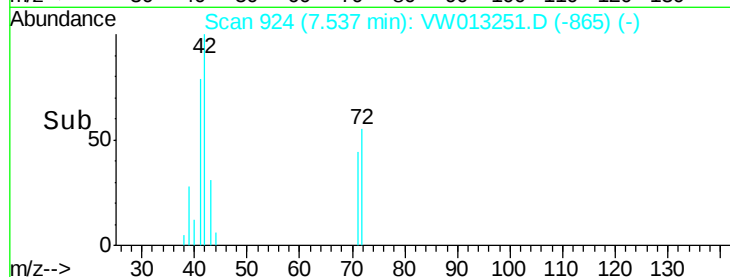
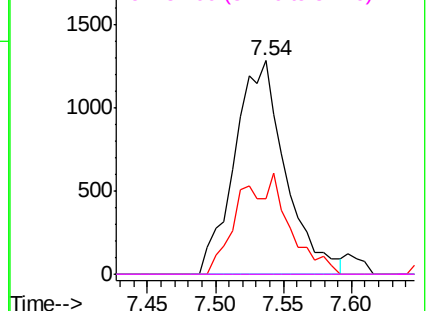


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.076 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013251.D

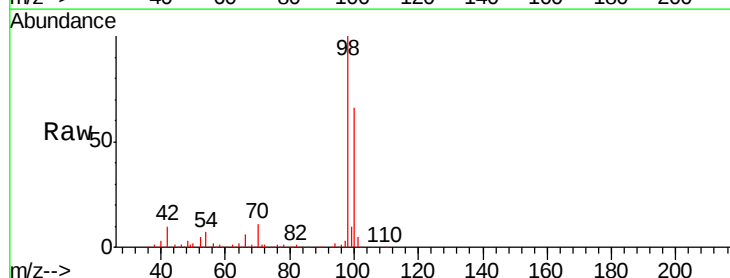
Acq: 24 Sep 2019 02:03

Tgt Ion: 98 Resp: 625803

Ion Ratio Lower Upper

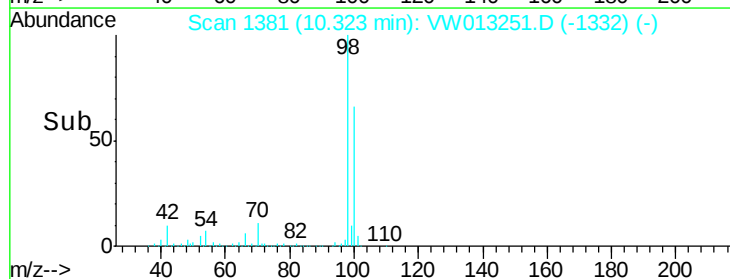
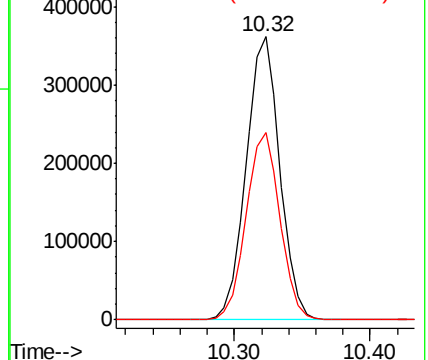
98 100

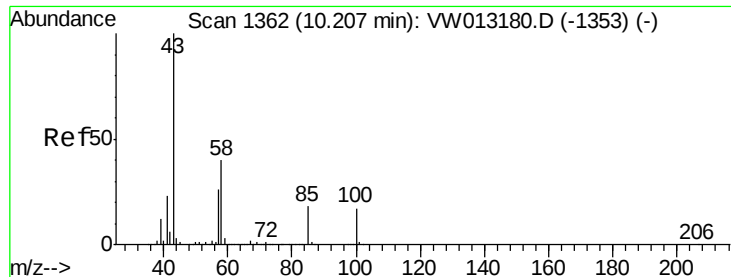
100 66.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

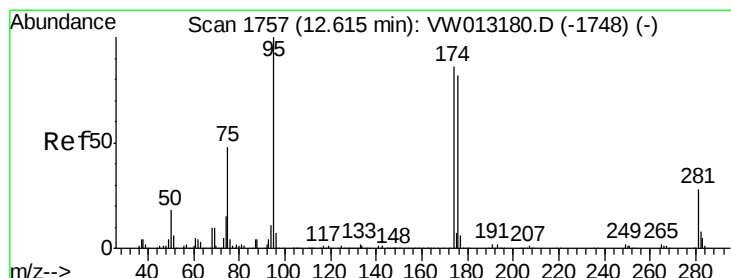
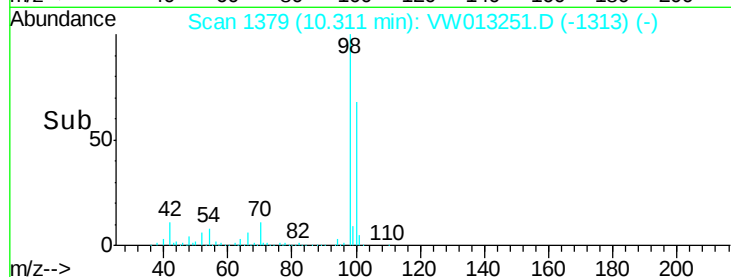
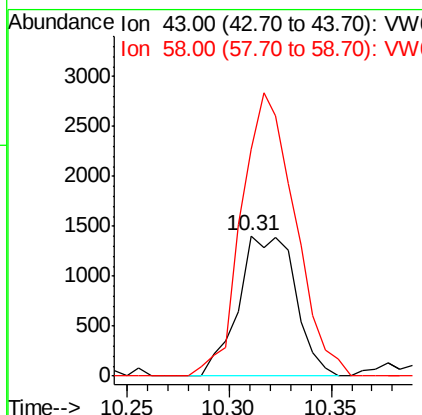
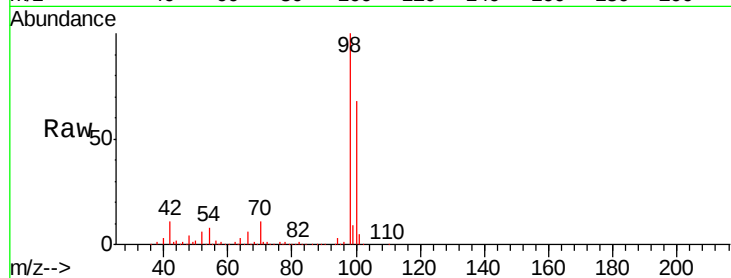




#51
 4-Methyl-2-Pentanone
 Concen: 1.262 ug/l
 RT: 10.31 min Scan# 1379
 Delta R.T. 0.10 min
 Lab File: VW013251.D
 Acq: 24 Sep 2019 02:03

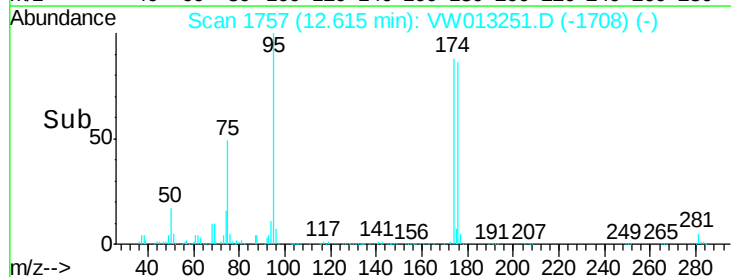
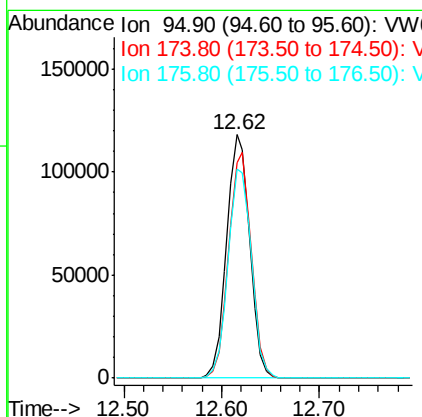
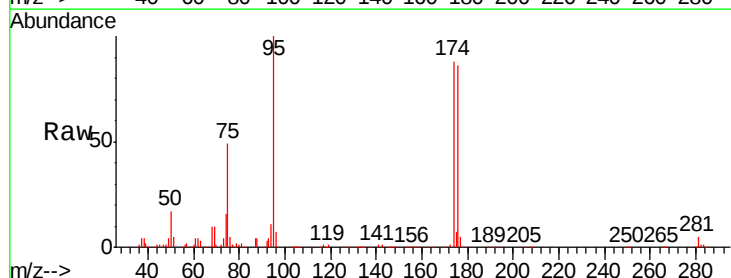
Instrument :
 MSVOA_W
 ClientSampled :
 TH-3

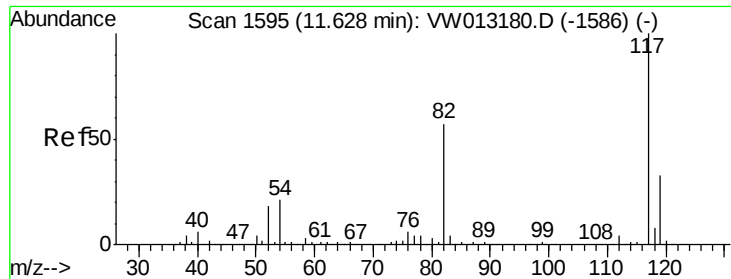
Tgt Ion: 43 Resp: 2711
 Ion Ratio Lower Upper
 43 100
 58 190.5 31.7 47.5#



#62
 4-Bromofluorobenzene
 Concen: 45.130 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013251.D
 Acq: 24 Sep 2019 02:03

Tgt Ion: 95 Resp: 192653
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 178.4
 176 87.4 0.0 172.2

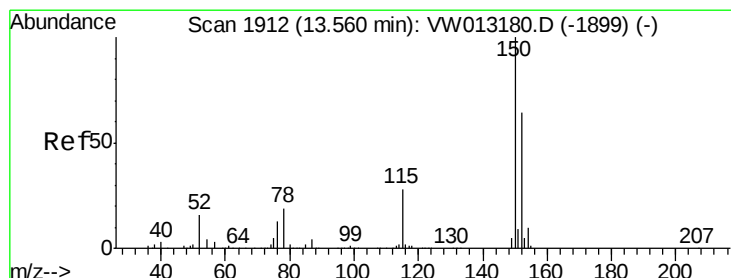
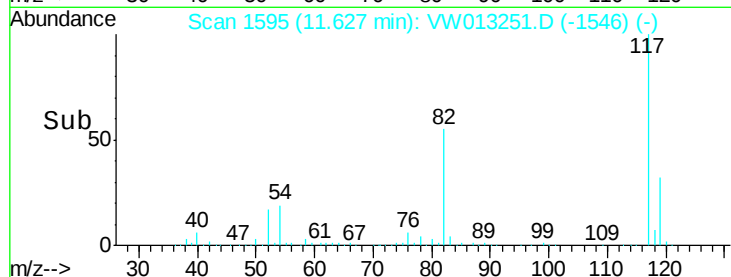
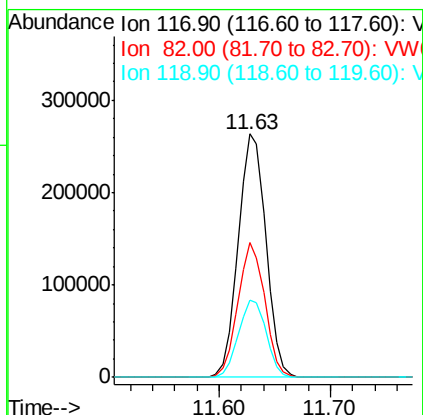
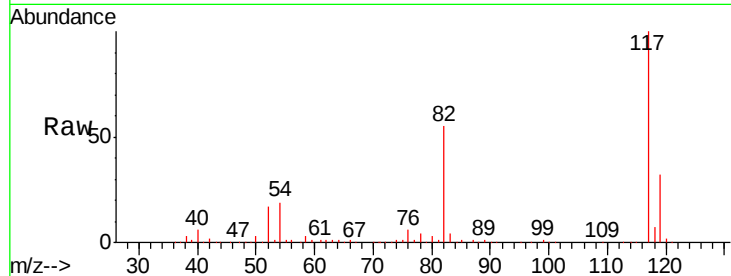




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013251.D
Acq: 24 Sep 2019 02:03

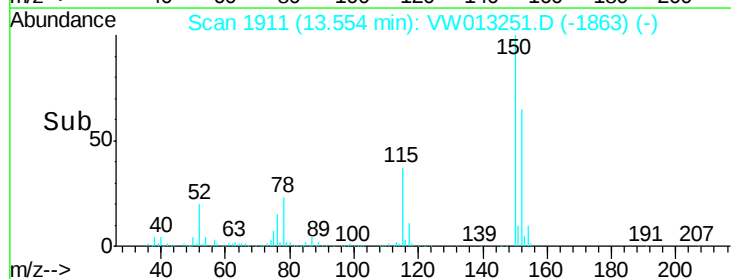
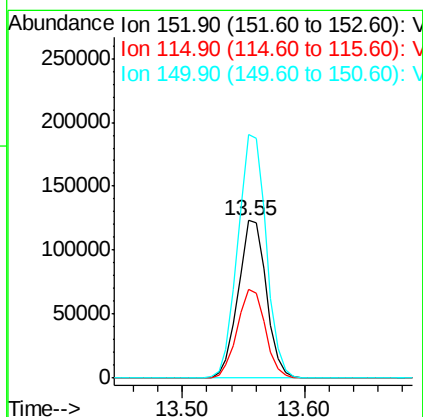
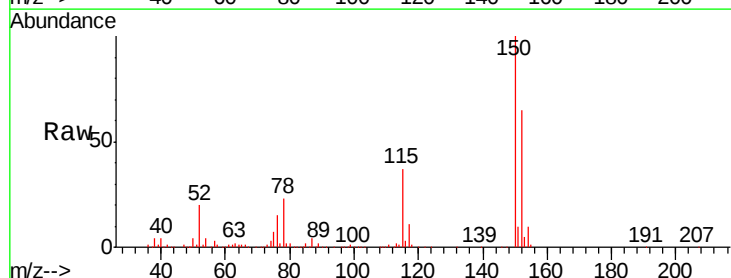
Instrument :
MSVOA_W
ClientSampleId :
TH-3

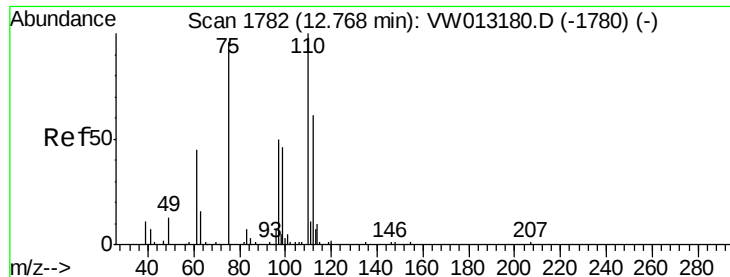
Tgt Ion:117 Resp: 453771
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013251.D
Acq: 24 Sep 2019 02:03

Tgt Ion:152 Resp: 195786
Ion Ratio Lower Upper
152 100
115 56.3 27.3 81.9
150 156.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 53.291 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013251.D

Acq: 24 Sep 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

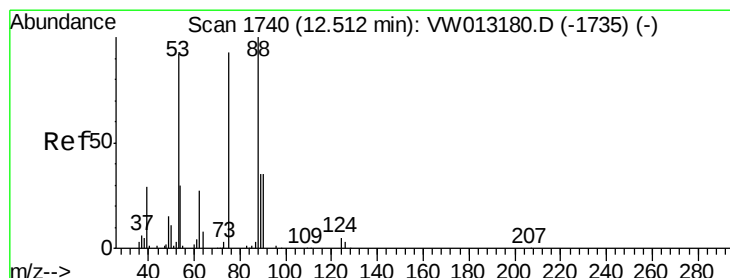
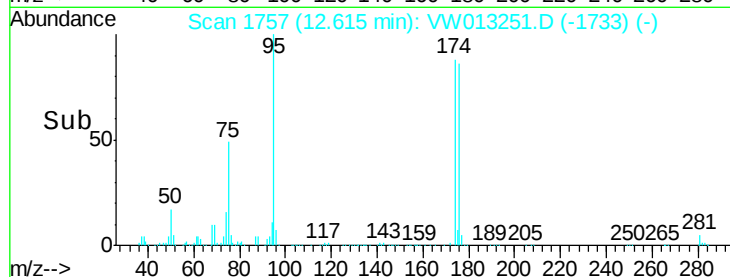
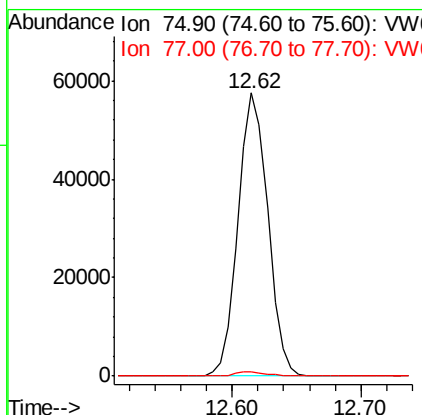
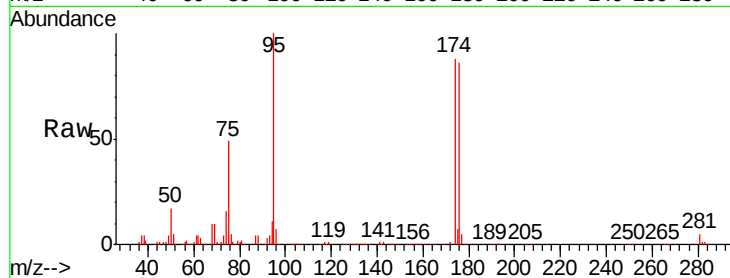
TH-3

Tgt Ion: 75 Resp: 92142

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.579 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013251.D

Acq: 24 Sep 2019 02:03

Tgt Ion: 75 Resp: 92142

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#

