

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013215.D
 Acq On : 21 Sep 2019 06:05
 Operator : SY/VA
 Sample : K4972-04
 Misc : 9.17G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 06:34:22 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	374603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	536028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	127910	41.84	ug/l	0.00
Spiked Amount			Recovery	=	83.68%	
35) Dibromofluoromethane	7.88	113	140008	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	10.32	98	616739	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	148708	35.28	ug/l	0.00
Spiked Amount			Recovery	=	70.56%	

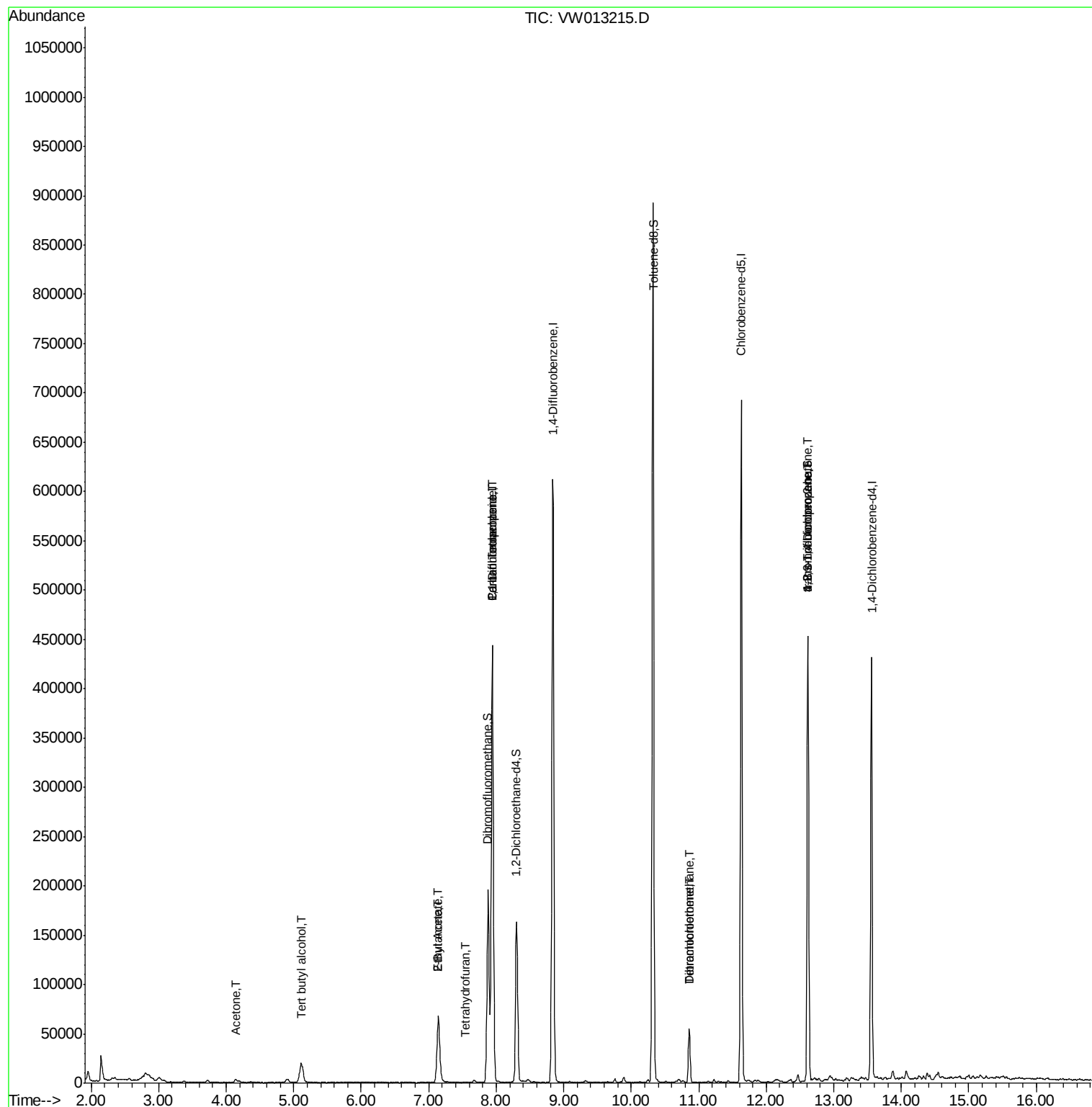
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	18613	77.601	ug/l #	73
16) Acetone	4.14	43	6214	9.013	ug/l	90
20) Methylene Chloride	4.91	84	2729	Below Cal	#	82
25) 2-Butanone	7.14	43	3434	3.318	ug/l #	71
26) 2,2-Dichloropropane	7.13	77	4974	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	858	1.352	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	24962	4.808	ug/l #	49
37) Ethyl Acetate	7.14	43	3434	1.556	ug/l #	70
38) Carbon Tetrachloride	7.95	117	32794	7.046	ug/l #	18
60) Dibromochloromethane	10.86	129	12174	4.179	ug/l #	11
64) Tetrachloroethene	10.86	164	12832	4.271	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	71704	66.734	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71704	149.745	ug/l #	12

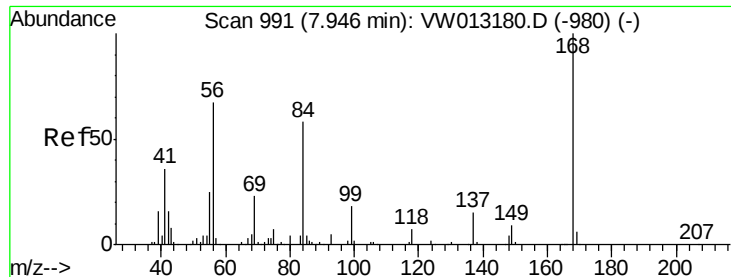
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013215.D

Acq: 21 Sep 2019 06:05

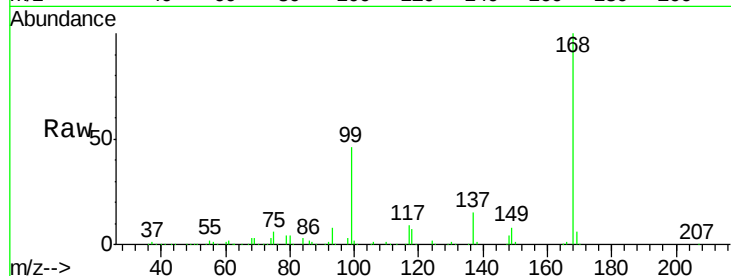
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 374603

Ion Ratio Lower Upper

168 100

99 46.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

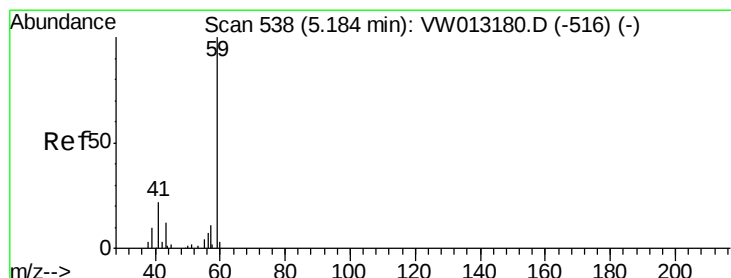
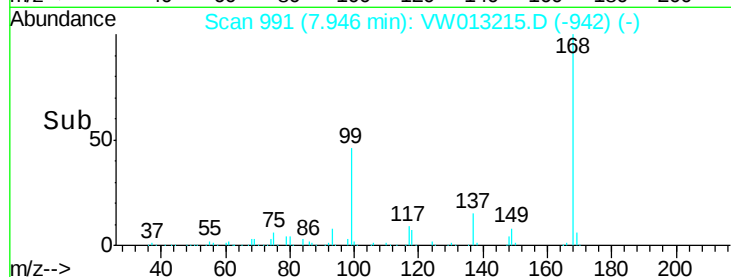
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 77.601 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013215.D

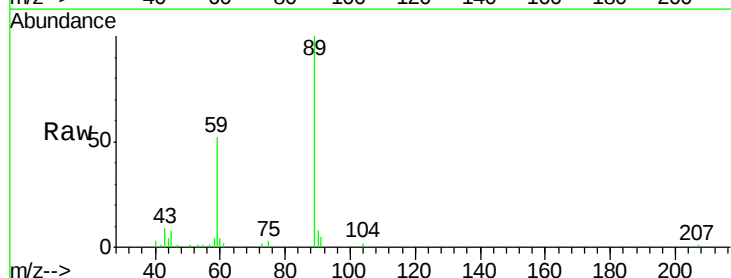
Acq: 21 Sep 2019 06:05

Tgt Ion: 59 Resp: 18613

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

6000

5000

4000

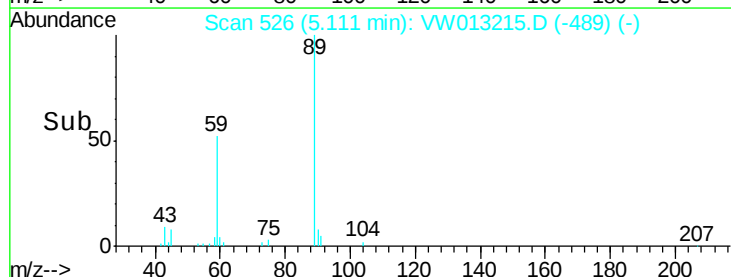
3000

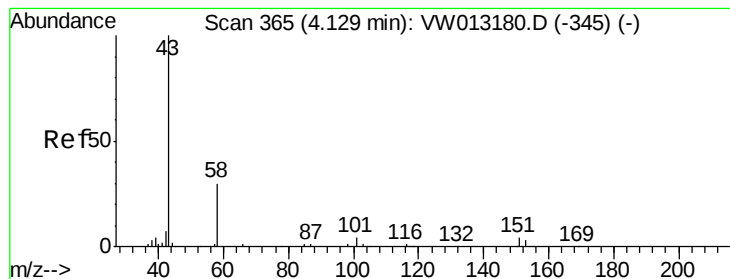
2000

1000

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 9.013 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

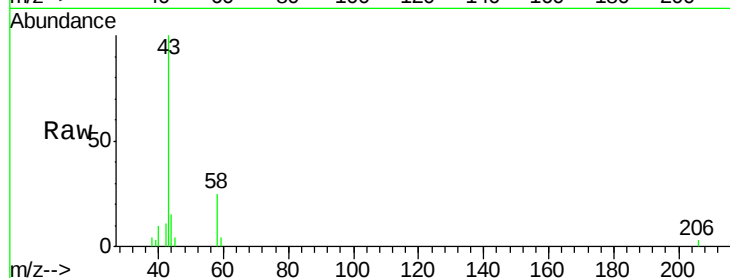
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 6214

Ion Ratio Lower Upper

43 100

58 24.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

2500

2000

1500

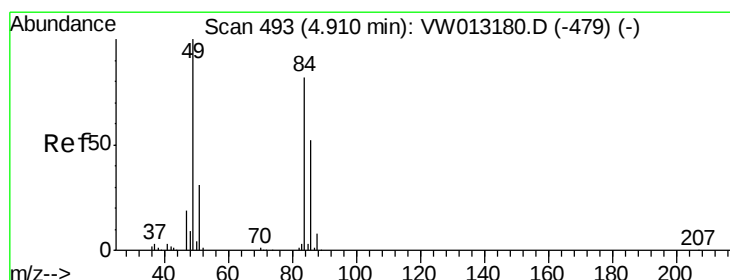
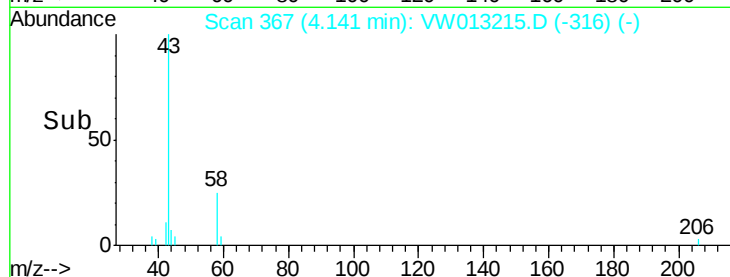
1000

500

0

Time-->

4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

Tgt Ion: 84 Resp: 2729

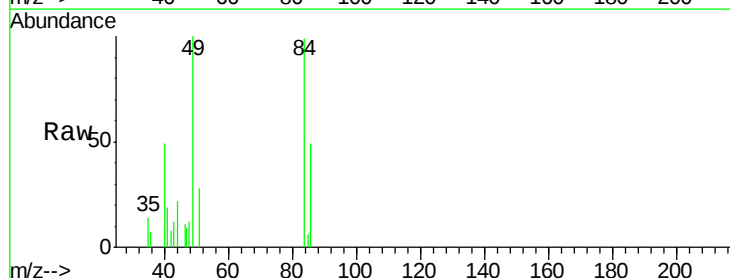
Ion Ratio Lower Upper

84 100

49 101.4 97.6 146.4

51 28.5 30.2 45.2#

86 49.4 50.6 76.0#



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

1500

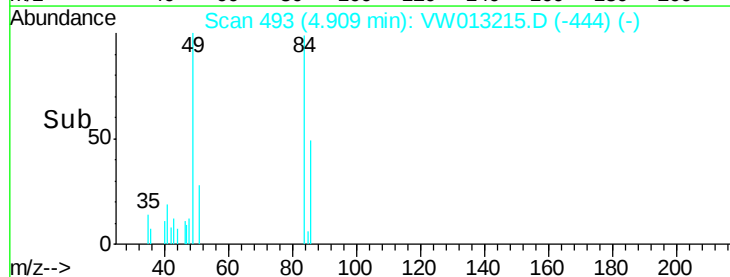
1000

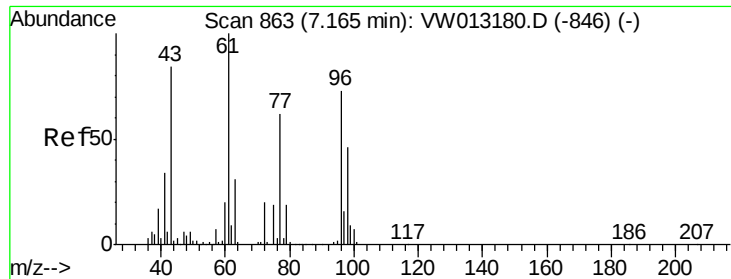
500

0

Time-->

4.80 4.90 5.00





#25

2-Butanone

Concen: 3.318 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

Instrument :

MSVOA_W

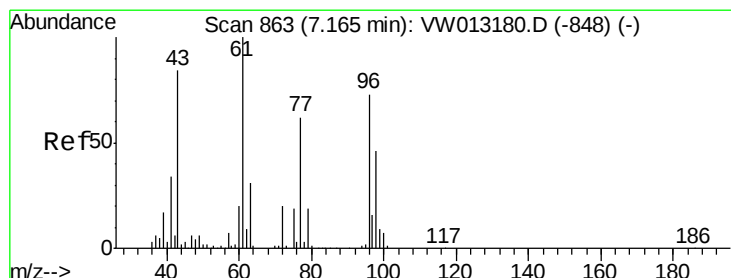
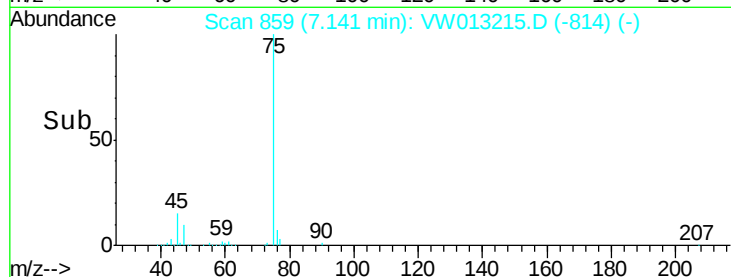
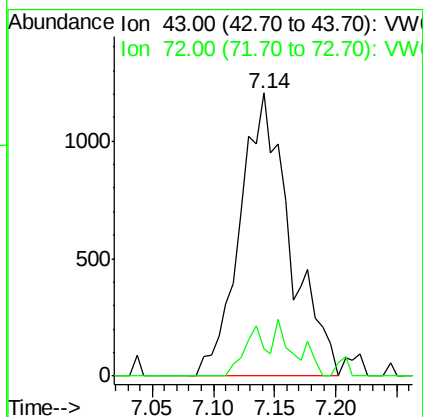
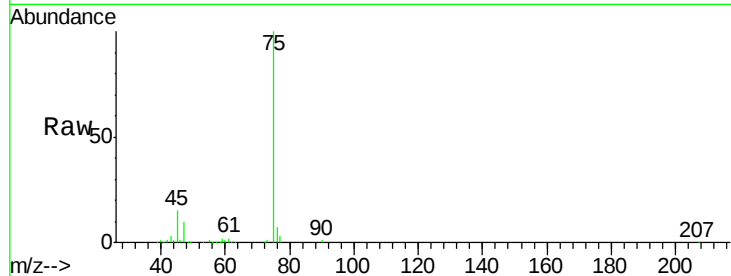
ClientSampled :

Tot Ion: 43 Resp: 3434

Ion Ratio Lower Upper

43 100

72 9.6 19.4 29.0#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013215.D

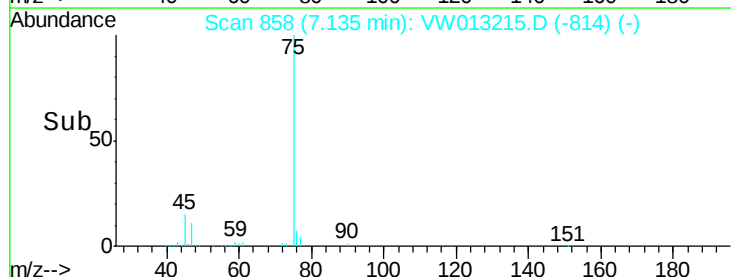
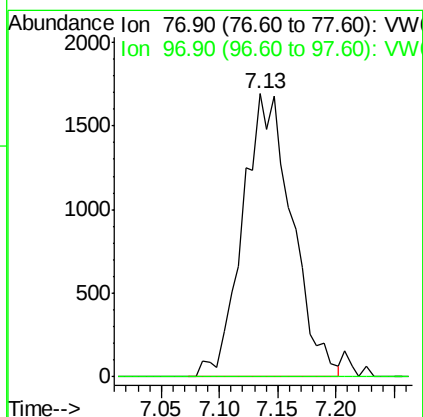
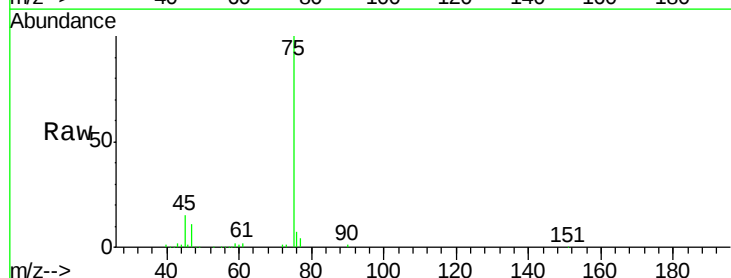
Acq: 21 Sep 2019 06:05

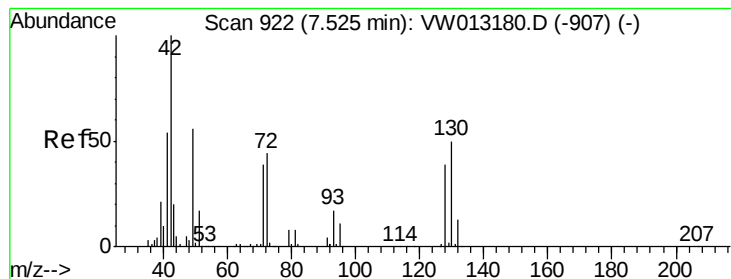
Tgt Ion: 77 Resp: 4974

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#





#29

Tetrahydrofuran

Concen: 1.352 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampleId :

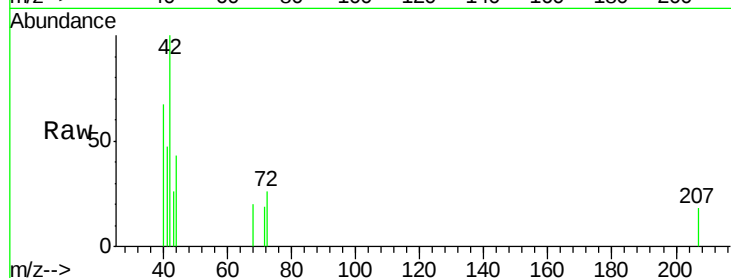
Tot Ion: 42 Resp: 858

Ion Ratio Lower Upper

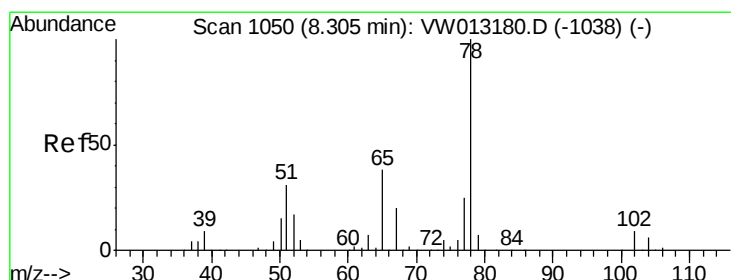
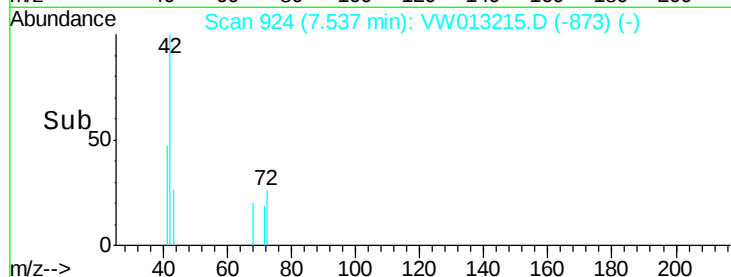
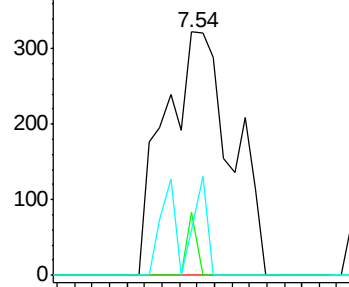
42 100

72 3.6 33.9 50.9#

71 8.2 31.9 47.9#



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



#33

1,2-Dichloroethane-d4

Concen: 41.837 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013215.D

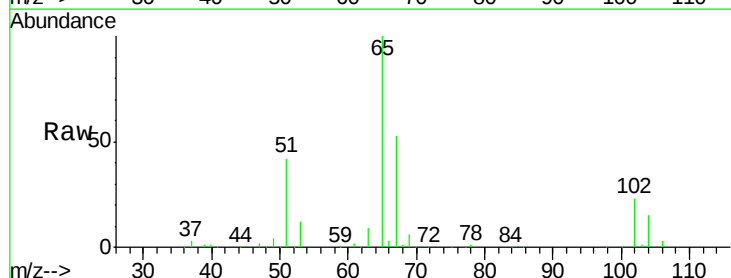
Acq: 21 Sep 2019 06:05

Tgt Ion: 65 Resp: 127910

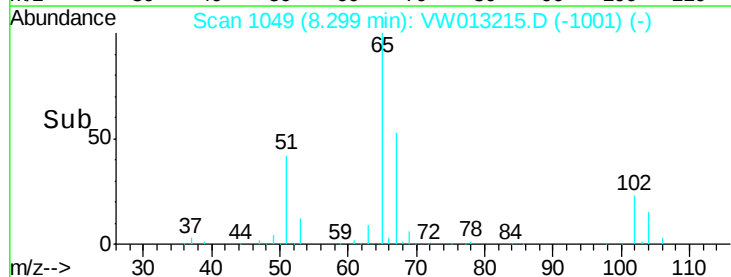
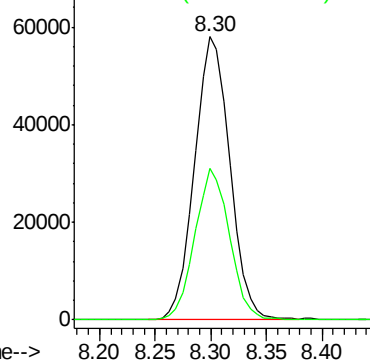
Ion Ratio Lower Upper

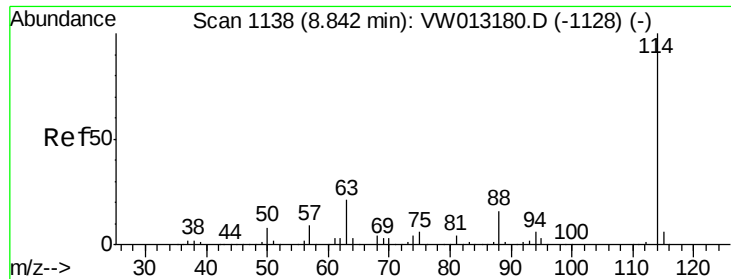
65 100

67 52.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

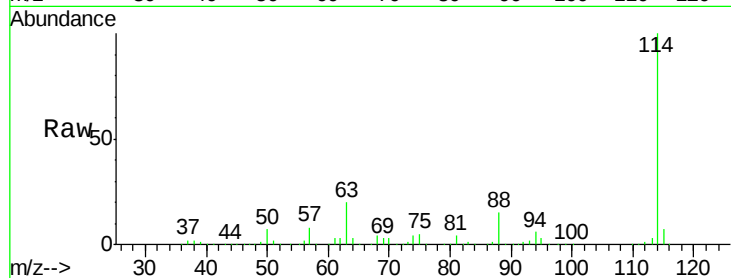




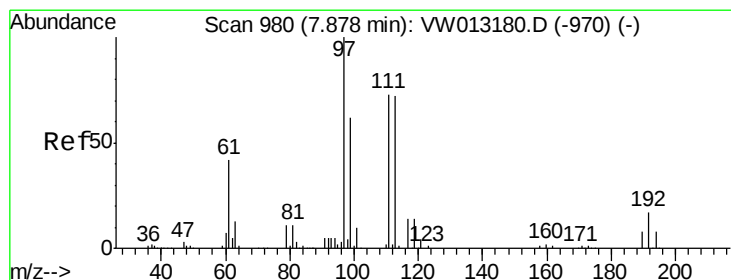
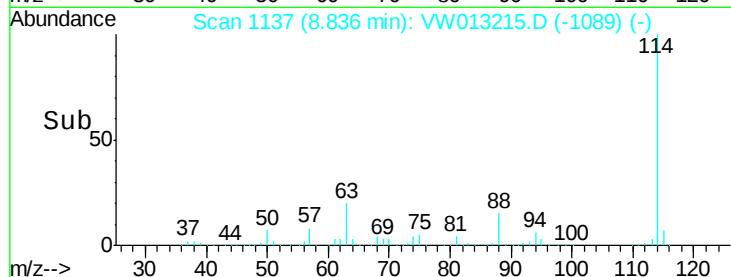
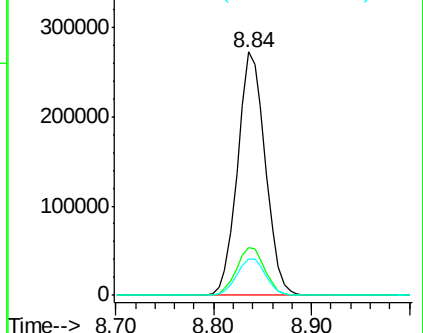
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013215.D
 Acq: 21 Sep 2019 06:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 536028
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.1 0.0 32.0

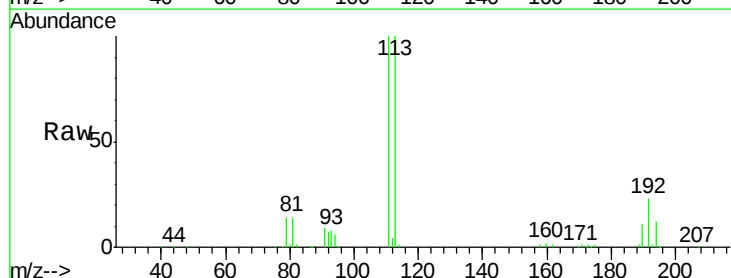


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

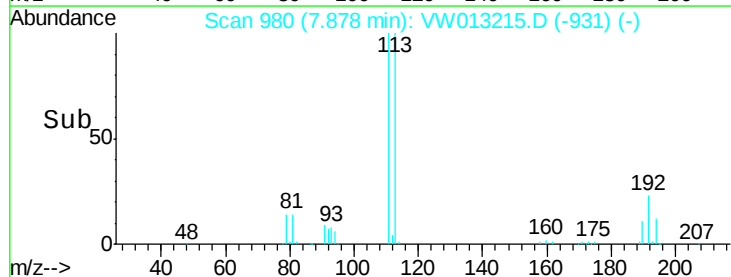
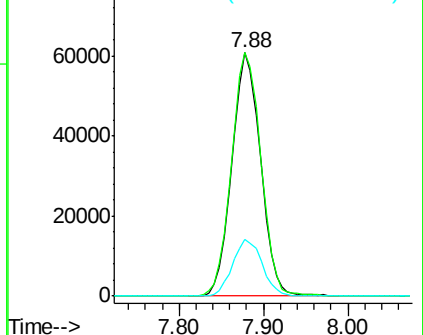


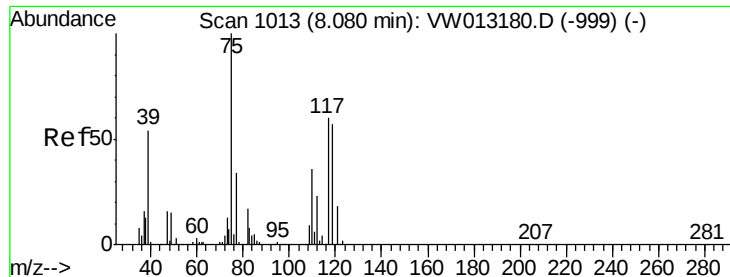
#35
 Dibromofluoromethane
 Concen: 47.490 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013215.D
 Acq: 21 Sep 2019 06:05

Tgt Ion:113 Resp: 140008
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 23.7 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: 4.808 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampled :

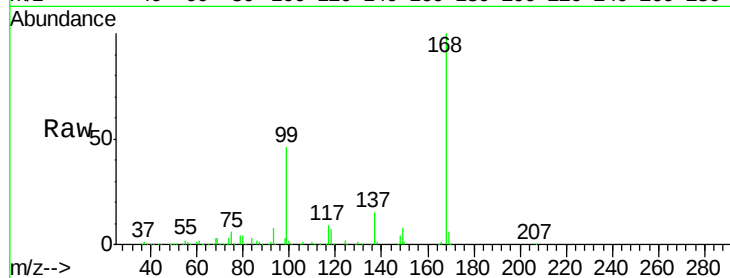
Tot Ion: 75 Resp: 24962

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.3#

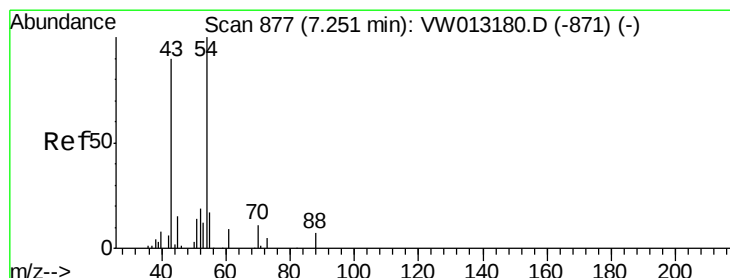
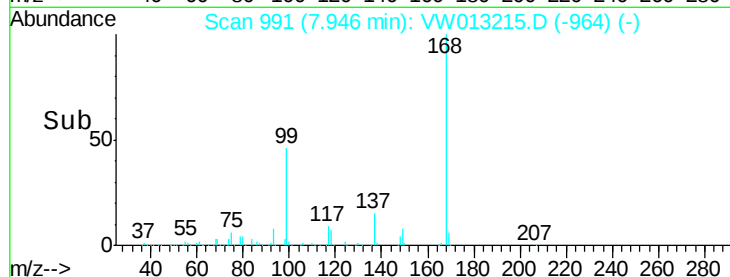
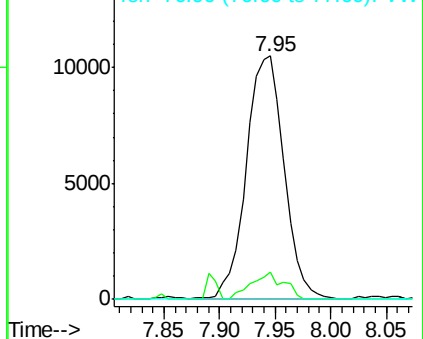
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.556 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

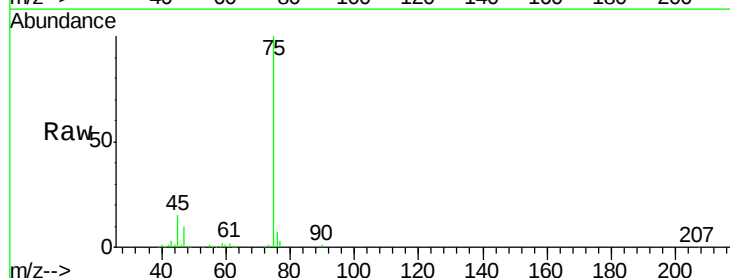
Tgt Ion: 43 Resp: 3434

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

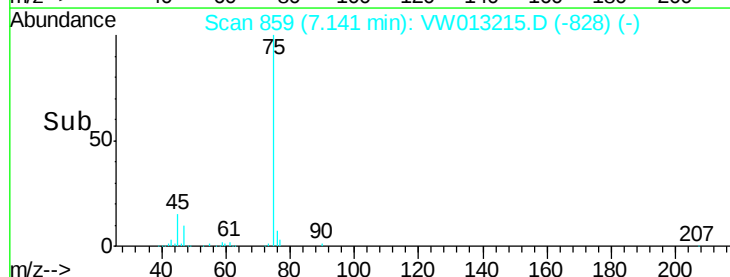
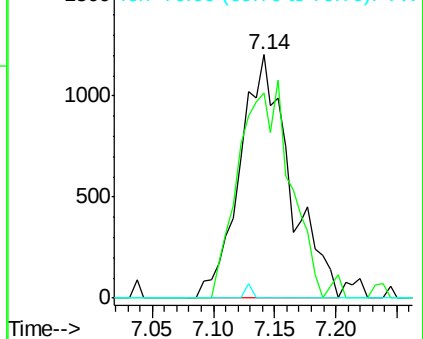
70 0.8 8.2 12.2#

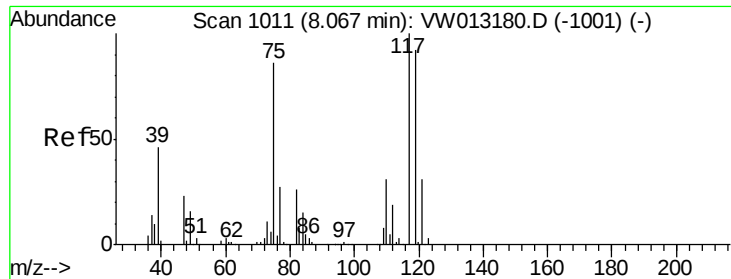


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

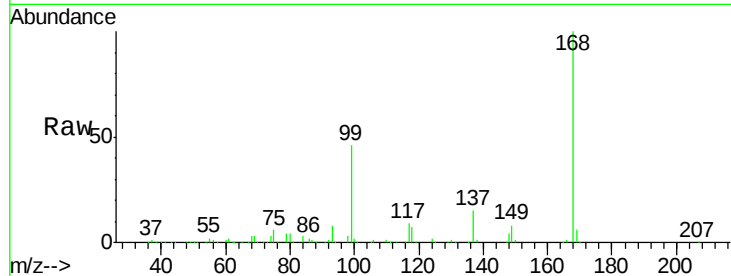




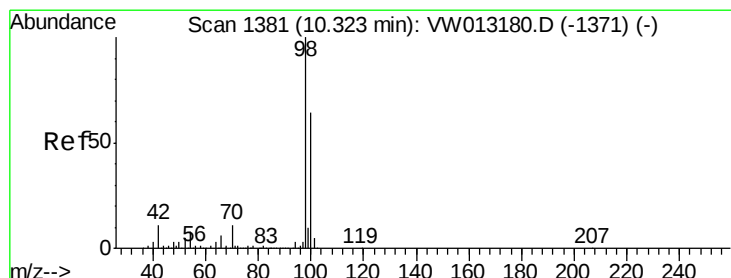
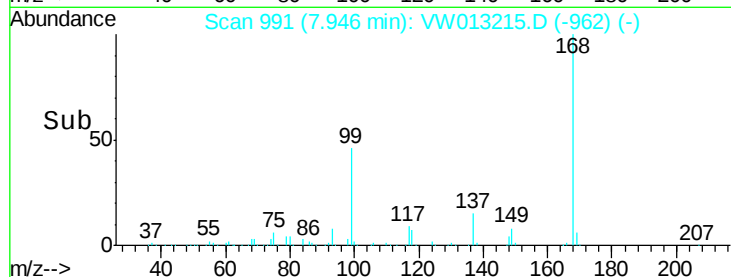
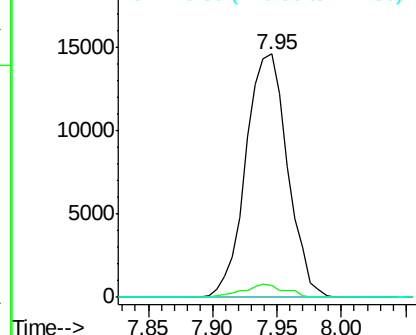
#38
Carbon Tetrachloride
Concen: 7.046 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013215.D
Acq: 21 Sep 2019 06:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 32794
Ion Ratio Lower Upper
117 100
119 5.1 73.5 110.3#
121 0.0 25.0 37.6#

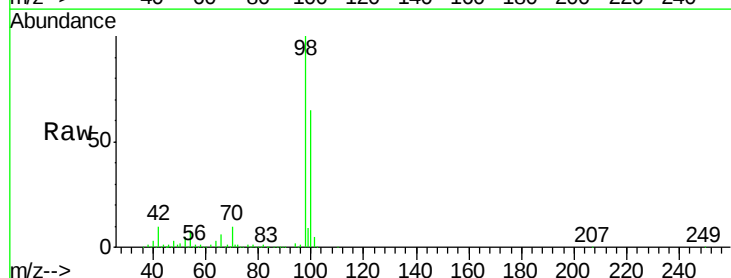


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

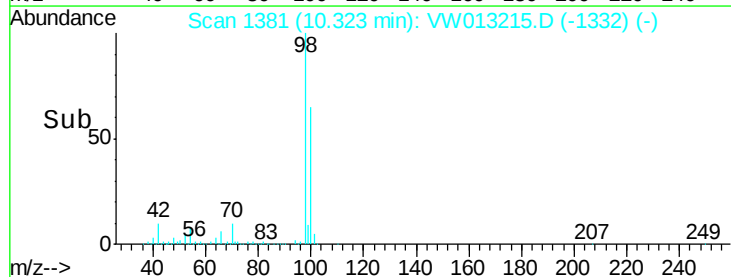
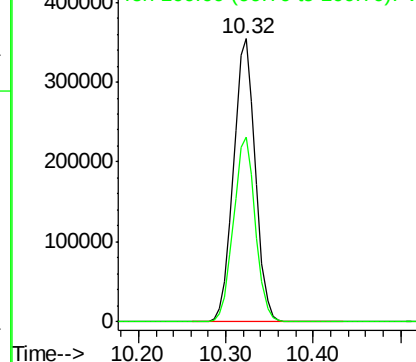


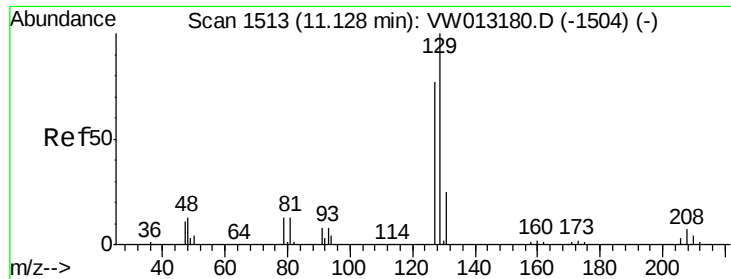
#50
Toluene-d8
Concen: 49.985 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013215.D
Acq: 21 Sep 2019 06:05

Tgt Ion: 98 Resp: 616739
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



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

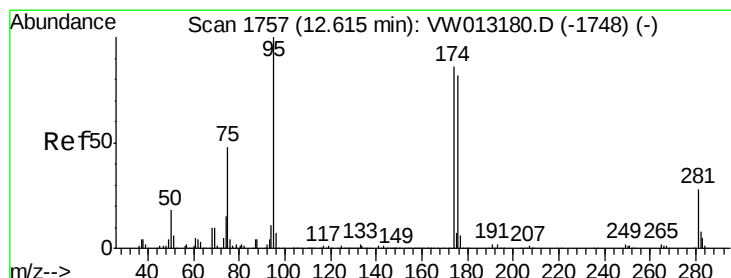
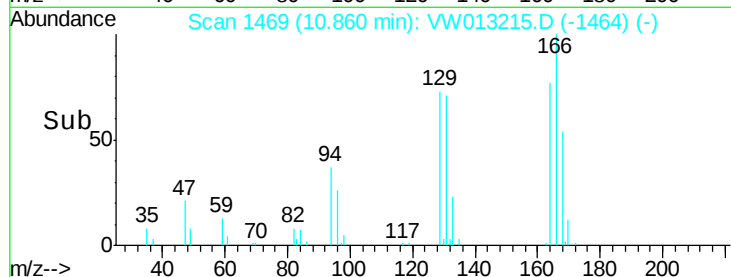
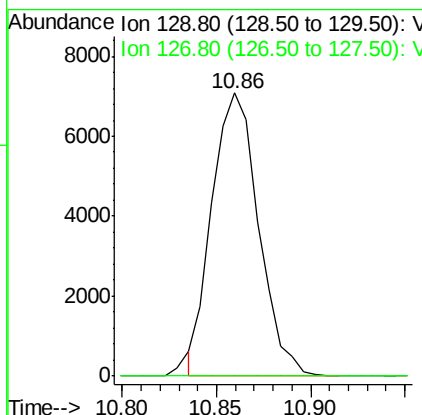
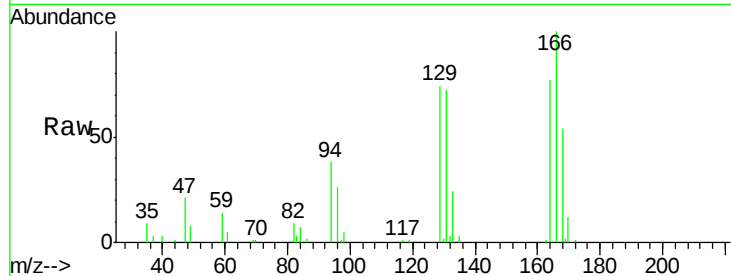




#60
 Dibromochloromethane
 Concen: 4.179 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW013215.D
 Acq: 21 Sep 2019 06:05

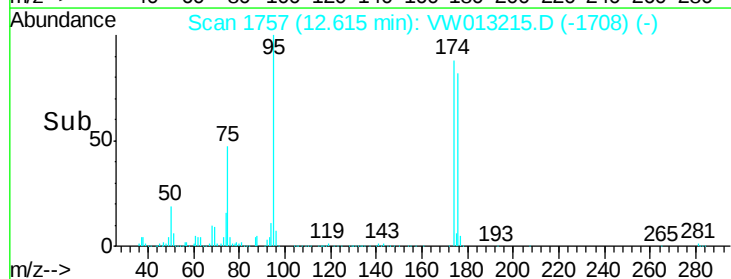
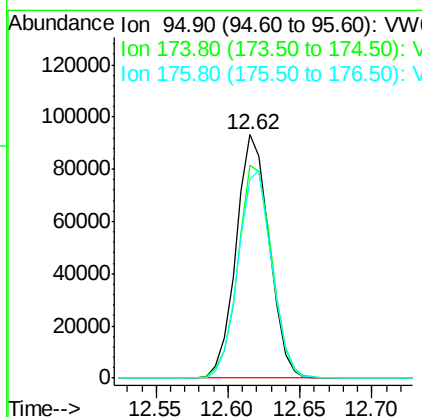
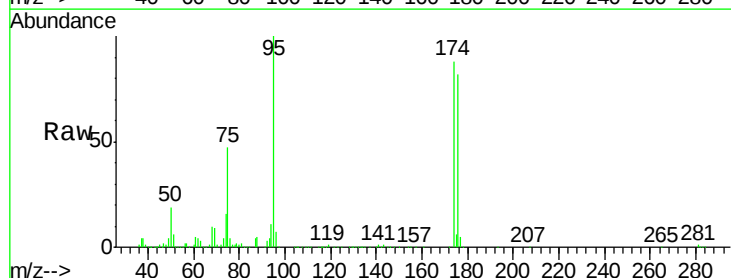
Instrument :
 MSVOA_W
 ClientSampleId :

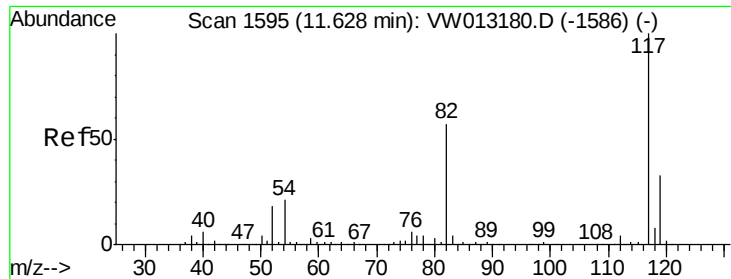
Tot Ion:129 Resp: 12174
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#



#62
 4-Bromofluorobenzene
 Concen: 35.283 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013215.D
 Acq: 21 Sep 2019 06:05

Tgt Ion: 95 Resp: 148708
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.4
 176 86.6 0.0 172.2

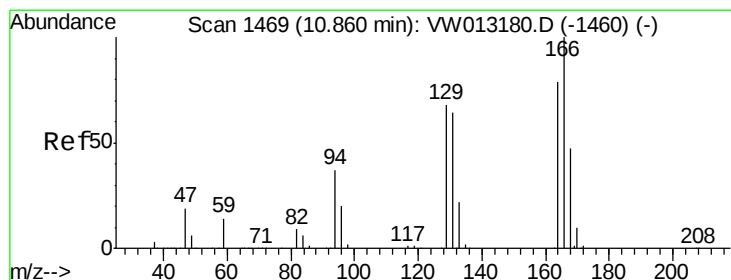
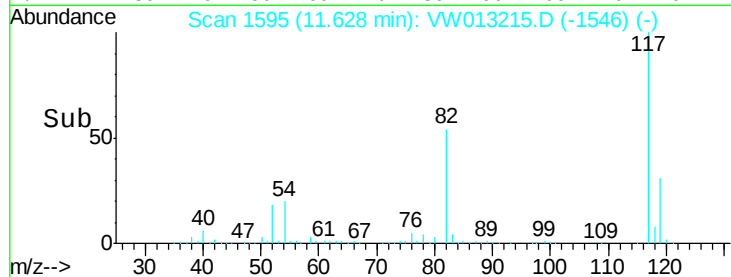
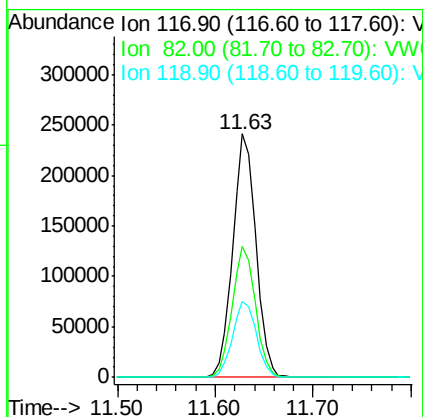
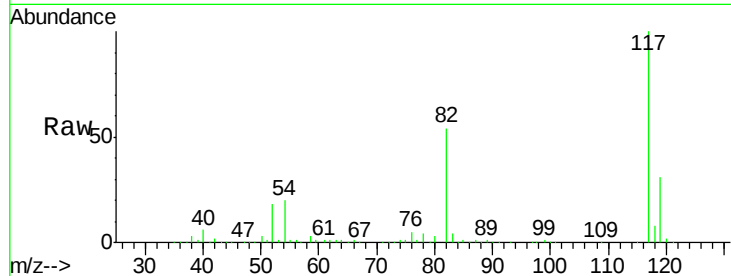




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013215.D
Acq: 21 Sep 2019 06:05

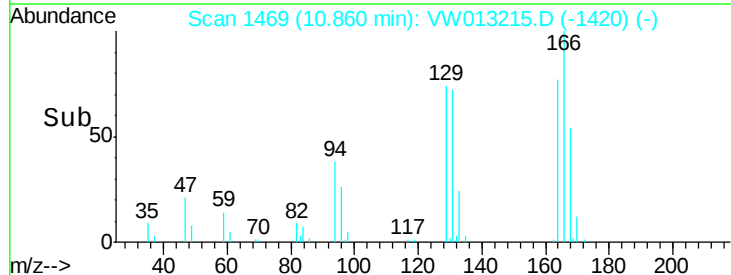
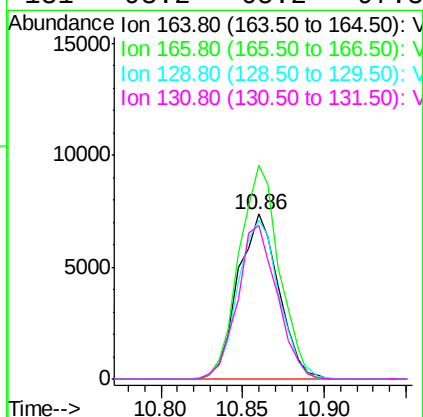
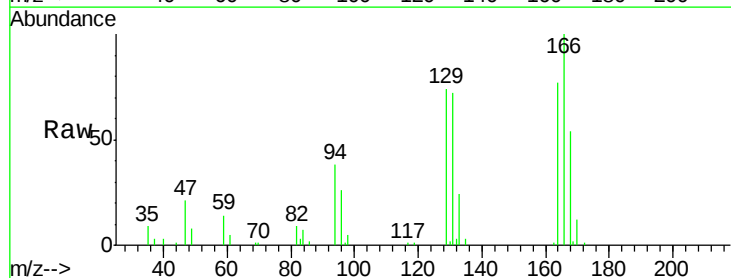
Instrument :
MSVOA_W
ClientSampleId :

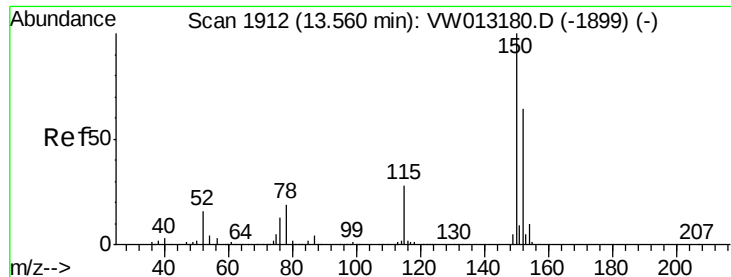
Tot Ion:117 Resp: 395999
Ion Ratio Lower Upper
117 100
82 53.8 45.9 68.9
119 31.2 26.2 39.2



#64
Tetrachloroethene
Concen: 4.271 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013215.D
Acq: 21 Sep 2019 06:05

Tgt Ion:164 Resp: 12832
Ion Ratio Lower Upper
164 100
166 129.7 101.2 151.8
129 96.1 68.8 103.2
131 93.2 65.2 97.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampled :

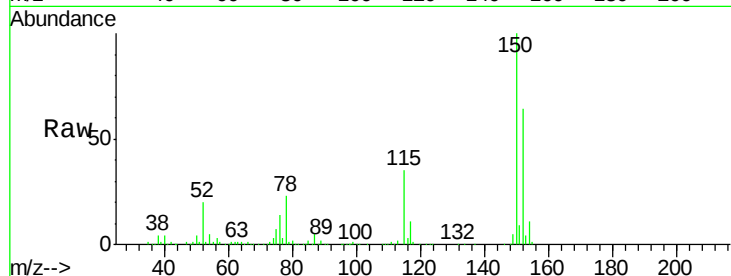
Tot Ion:152 Resp: 121667

Ion Ratio Lower Upper

152 100

115 56.1 27.3 81.9

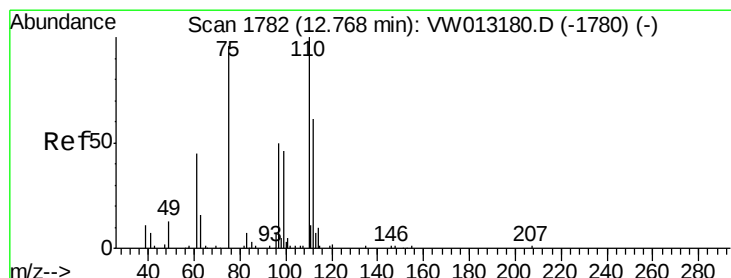
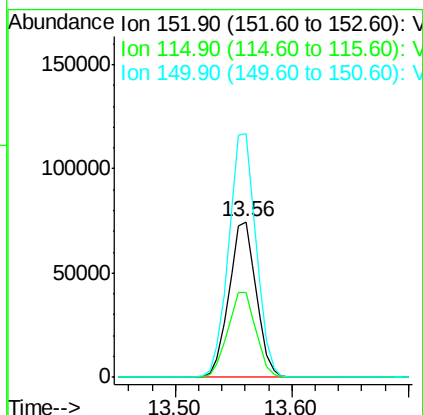
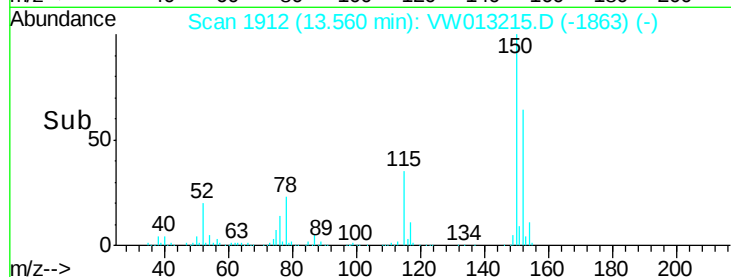
150 157.9 0.0 349.0



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: 66.734 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013215.D

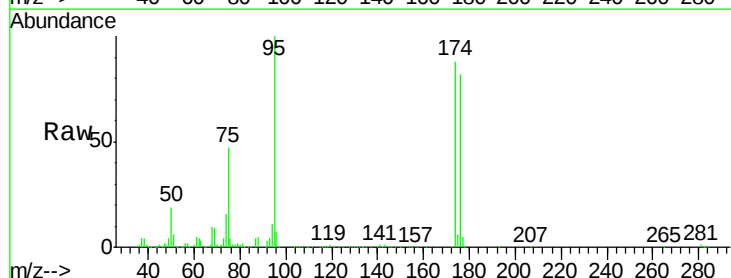
Acq: 21 Sep 2019 06:05

Tgt Ion: 75 Resp: 71704

Ion Ratio Lower Upper

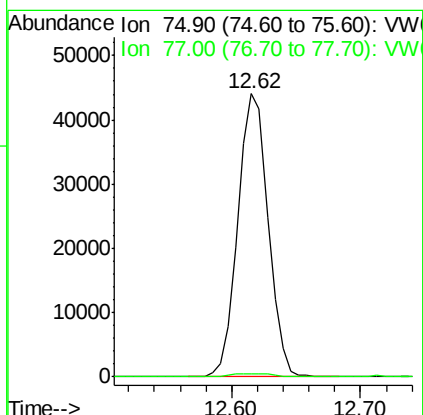
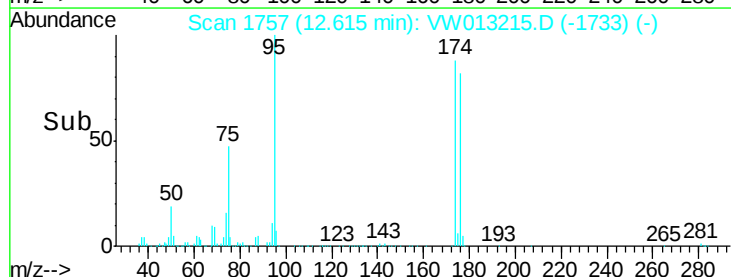
75 100

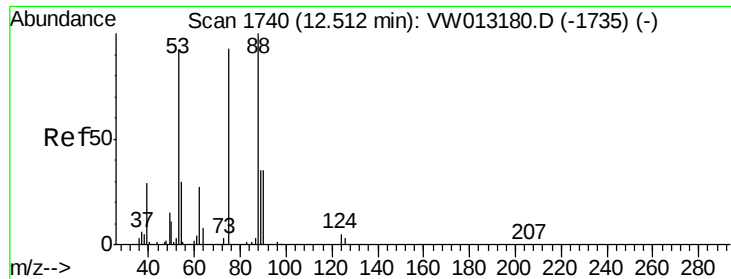
77 1.7 0.0 0.0#



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: 149.745 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

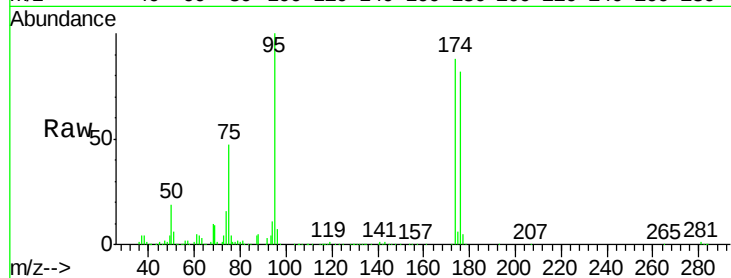
Lab File: VW013215.D

Acq: 21 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion: 75 Resp: 71704

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#

