

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV111319\
 Data File : VW013996.D
 Acq On : 13 Nov 2019 10:25
 Operator : SY/VA
 Sample : WV1113SBL01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:51:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	414375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144707	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	112432	56.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.06%	
35) Dibromofluoromethane	7.88	113	118907	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
50) Toluene-d8	10.32	98	480770	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.62	95	146792	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	

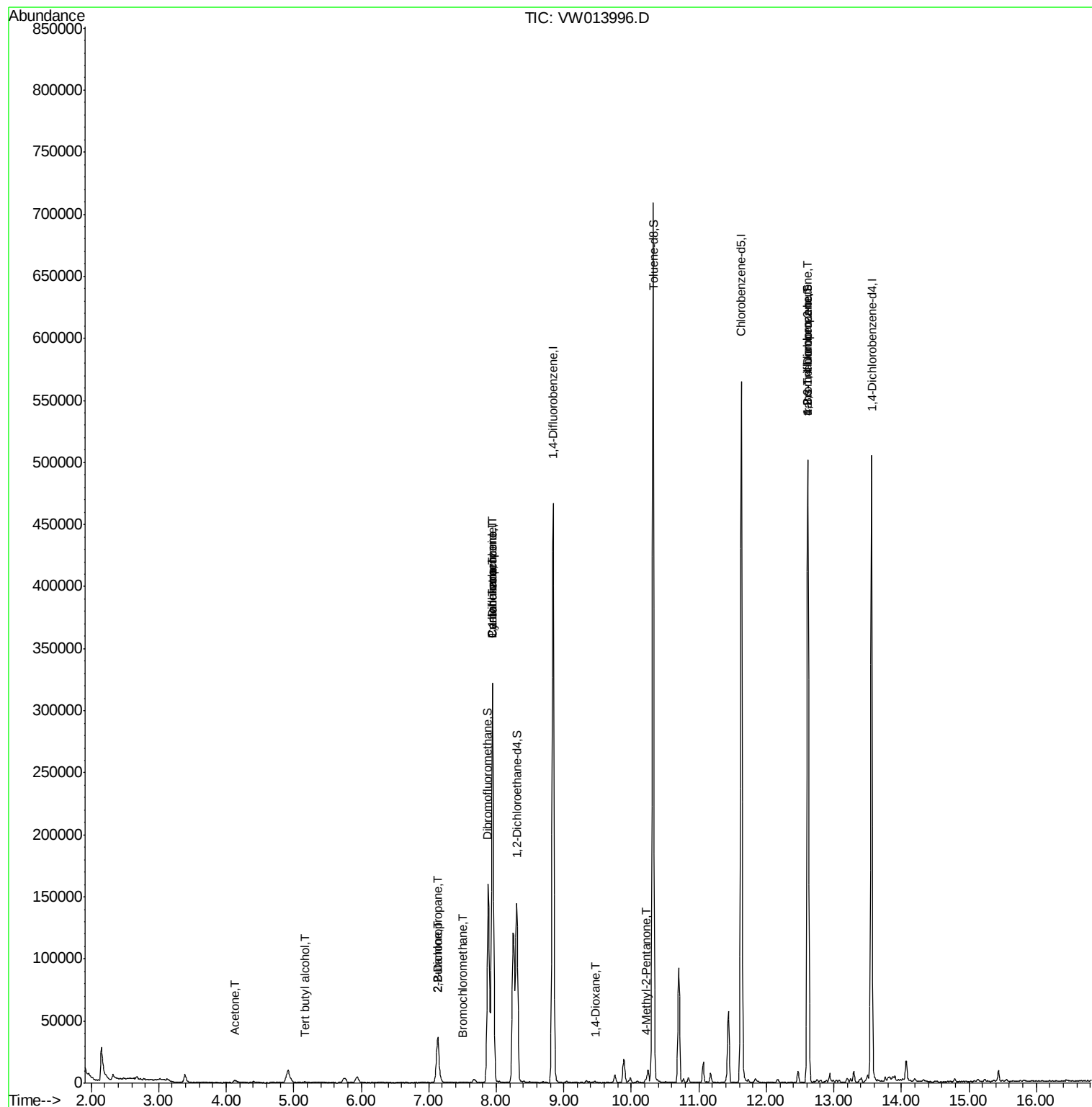
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1358	11.436	ug/l #	71
16) Acetone	4.12	43	4228	10.025	ug/l	90
20) Methylene Chloride	4.92	84	8313	Below Cal	#	87
25) 2-Butanone	7.13	43	2165	3.571	ug/l #	61
26) 2,2-Dichloropropane	7.14	77	2758	1.129	ug/l #	49
28) Bromochloromethane	7.51	49	100	1.405	ug/l #	7
31) Cyclohexane	7.94	56	4839	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17128	4.438	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22558	6.491	ug/l #	13
49) 1,4-Dioxane	9.47	88	19	1.016	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	1712	1.218	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	68814	66.218	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68814	125.143	ug/l #	14

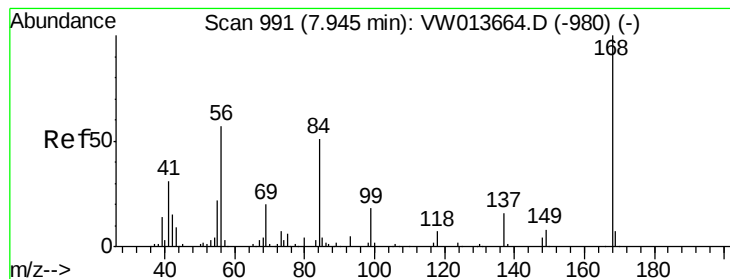
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013996.D

Acq: 13 Nov 2019 10:25

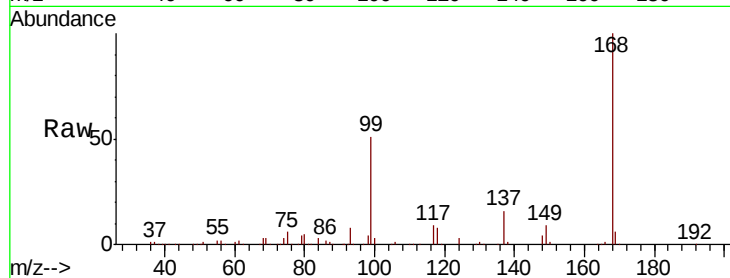
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 265151

Ion Ratio Lower Upper

168 100

99 50.5 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

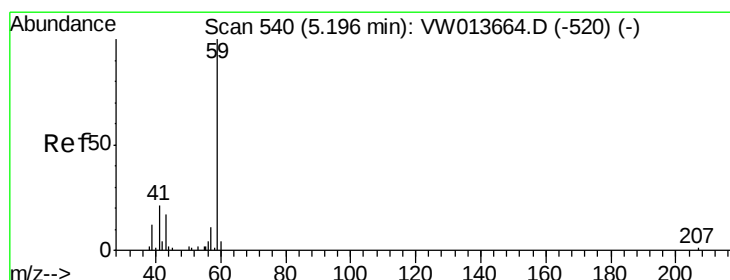
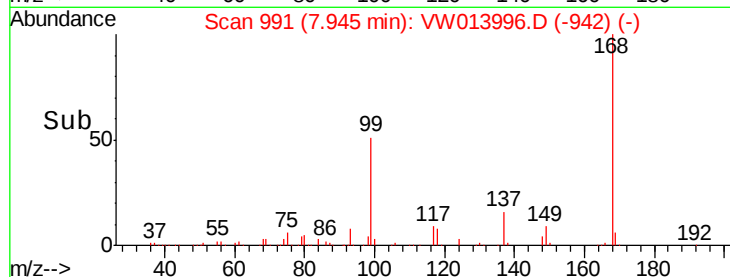
100000

50000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 11.436 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.03 min

Lab File: VW013996.D

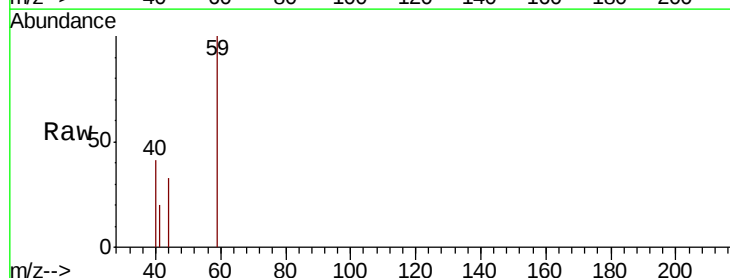
Acq: 13 Nov 2019 10:25

Tgt Ion: 59 Resp: 1358

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

600

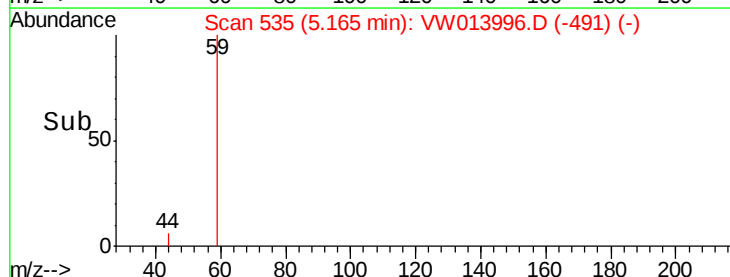
400

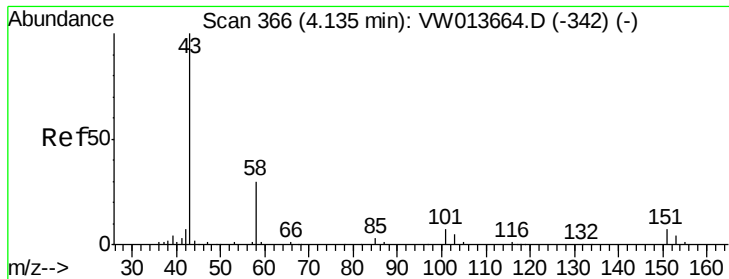
200

0

Time-->

5.05 5.10 5.15 5.20





#16

Acetone

Concen: 10.025 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Instrument :

MSVOA_W

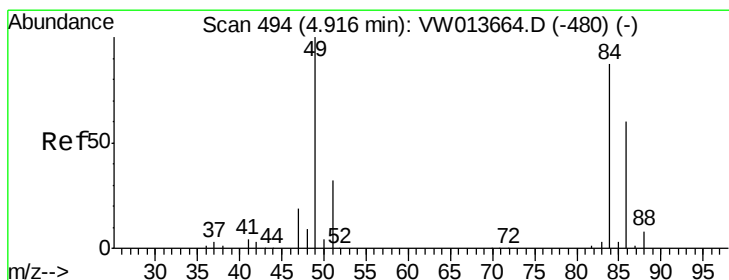
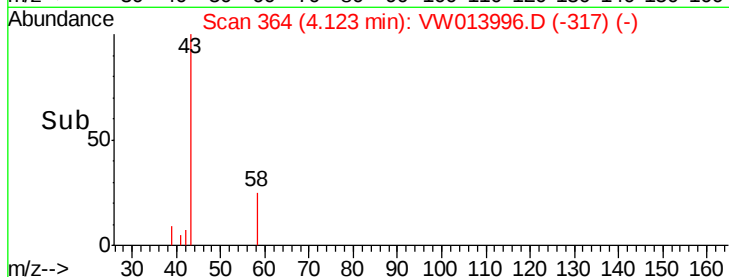
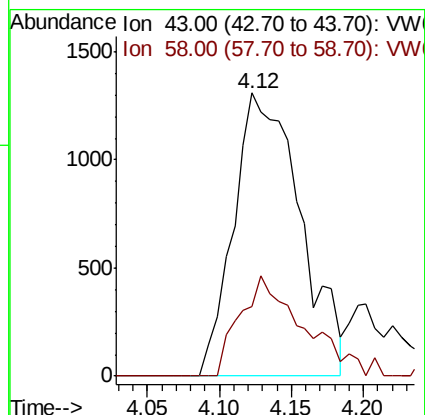
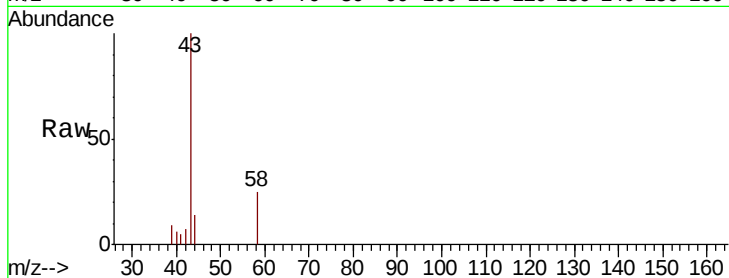
ClientSampled :

Tot Ion: 43 Resp: 4228

Ion Ratio Lower Upper

43 100

58 24.6 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Tgt Ion: 84 Resp: 8313

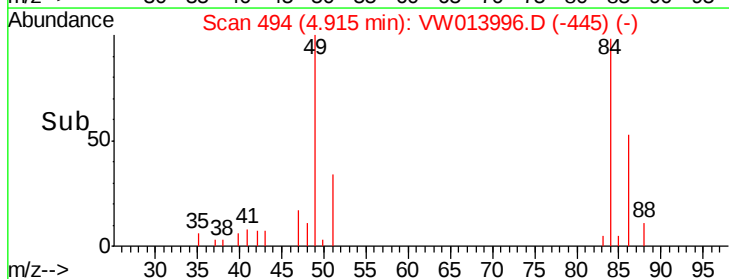
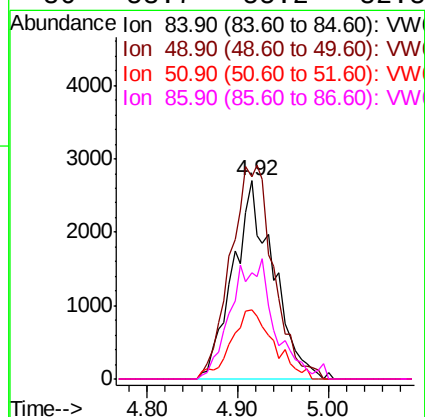
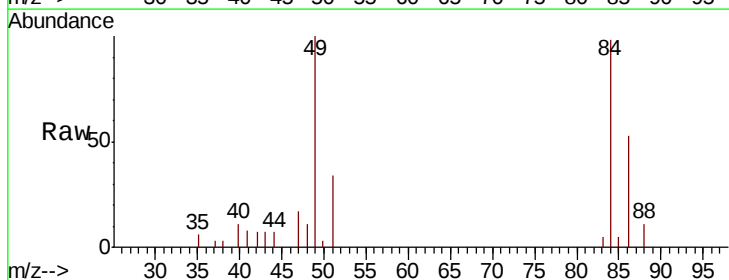
Ion Ratio Lower Upper

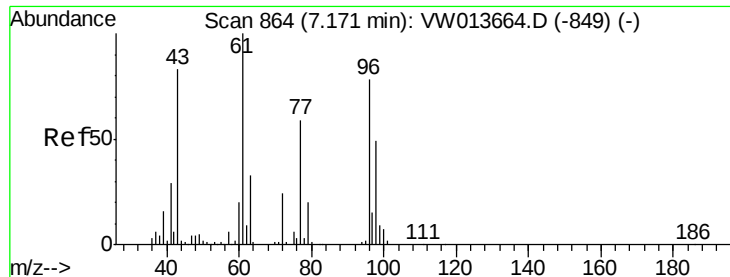
84 100

49 102.0 91.8 137.6

51 35.0 29.8 44.6

86 53.7 55.2 82.8#





#25

2-Butanone

Concen: 3.571 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Instrument :

MSVOA_W

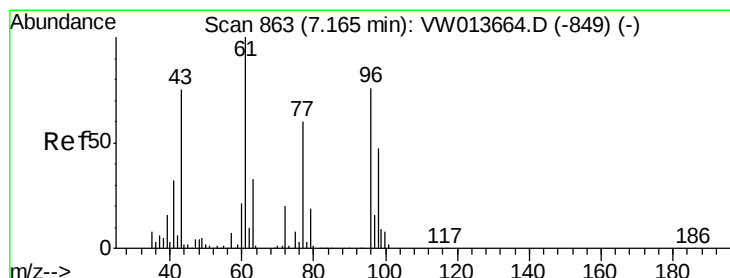
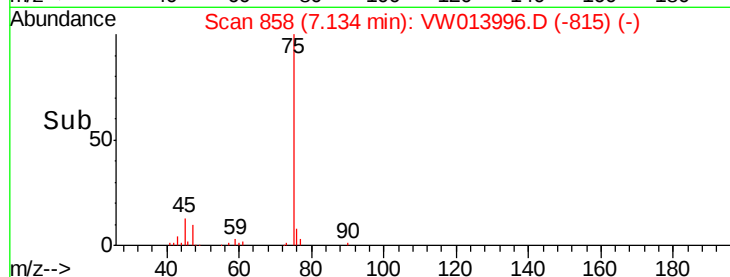
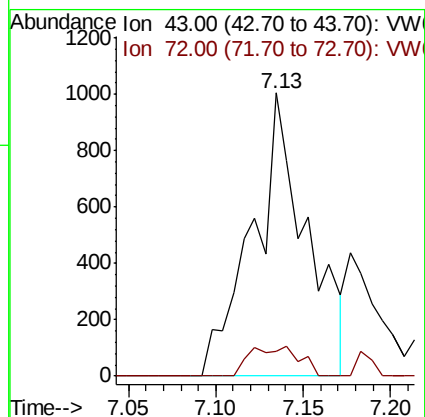
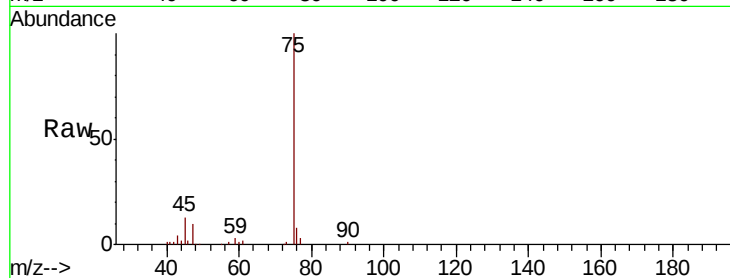
ClientSampleId :

Tot Ion: 43 Resp: 2165

Ion Ratio Lower Upper

43 100

72 8.7 23.6 35.4#



#26

2,2-Dichloropropane

Concen: 1.129 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013996.D

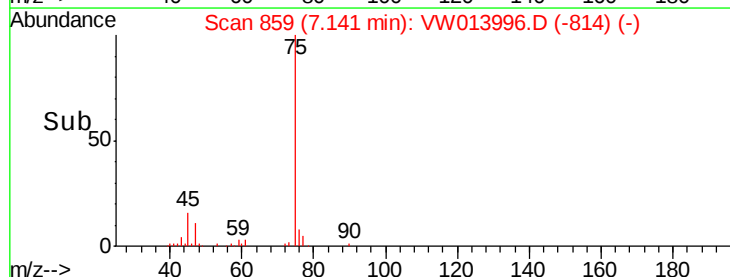
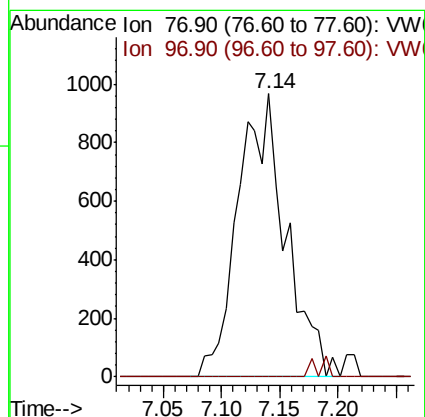
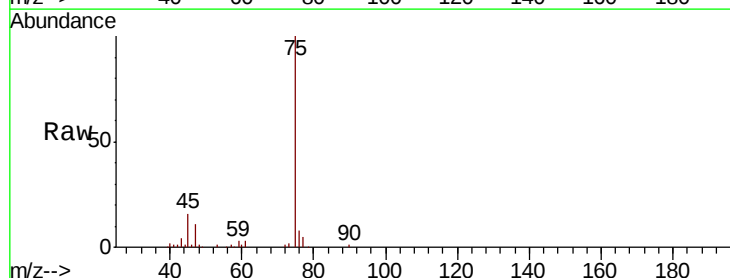
Acq: 13 Nov 2019 10:25

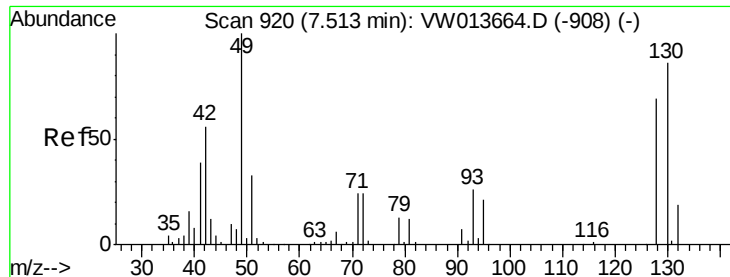
Tgt Ion: 77 Resp: 2758

Ion Ratio Lower Upper

77 100

97 0.0 12.8 38.4#





#28

Bromochloromethane

Concen: 1.405 ug/l

RT: 7.51 min Scan# 919

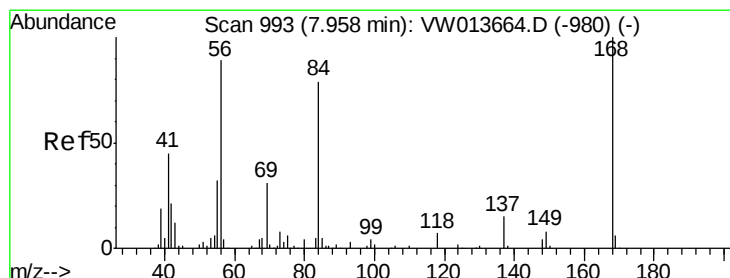
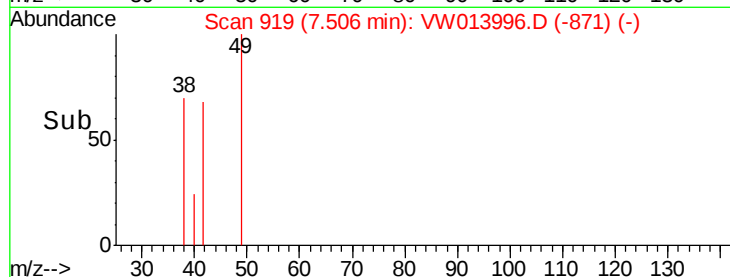
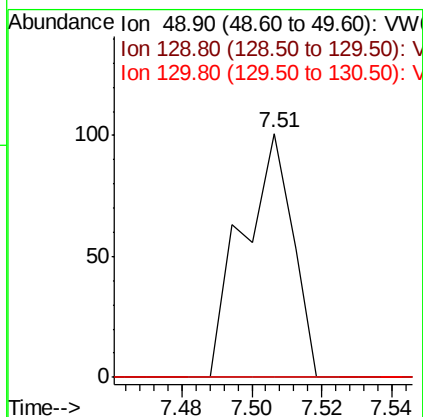
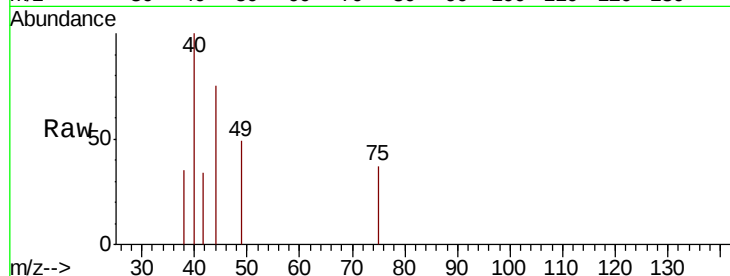
Delta R.T. -0.01 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 49 Resp: 100
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 0.0 67.5 101.3#



#31

Cyclohexane

Concen: 1.095 ug/l

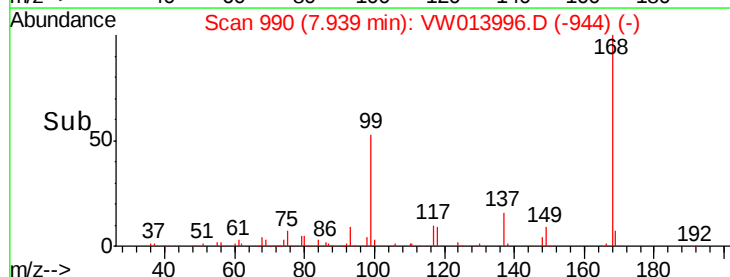
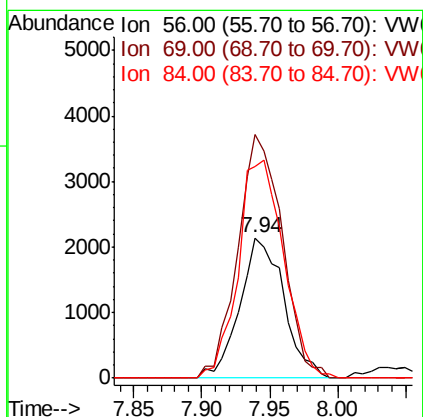
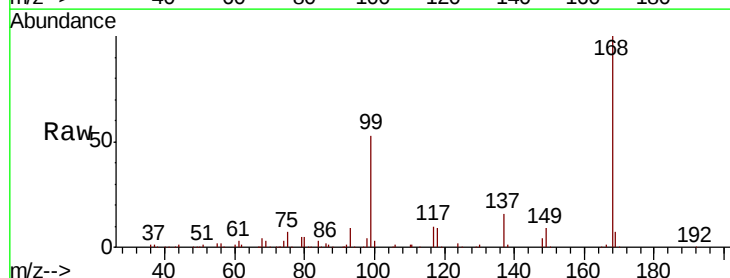
RT: 7.94 min Scan# 990

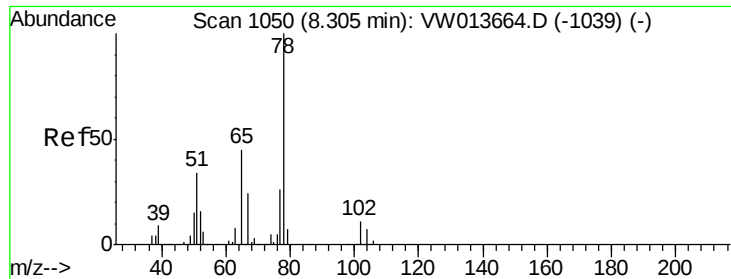
Delta R.T. -0.02 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Tgt Ion: 56 Resp: 4839
Ion Ratio Lower Upper
56 100
69 173.8 27.5 41.3#
84 150.7 70.8 106.2#

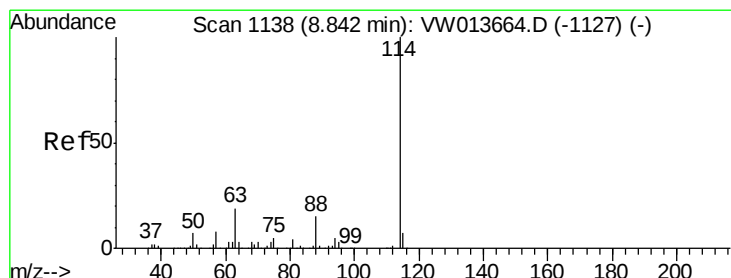
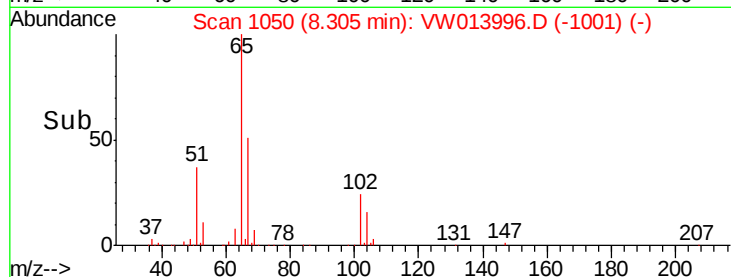
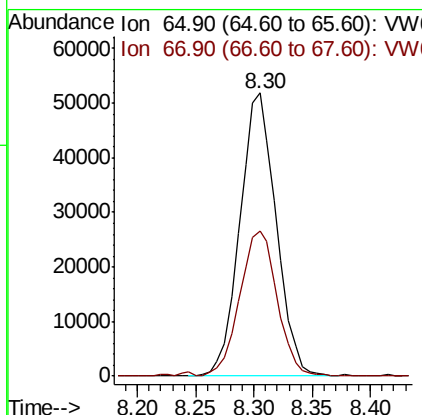
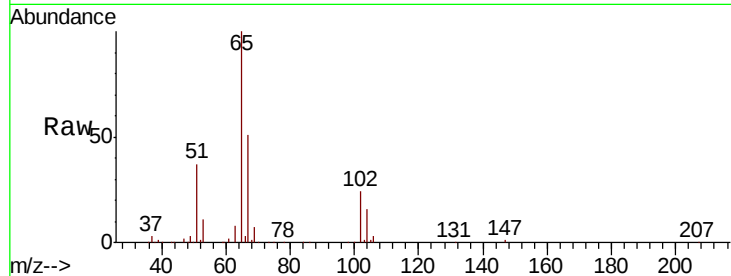




#33
 1,2-Dichloroethane-d4
 Concen: 56.525 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013996.D
 Acq: 13 Nov 2019 10:25

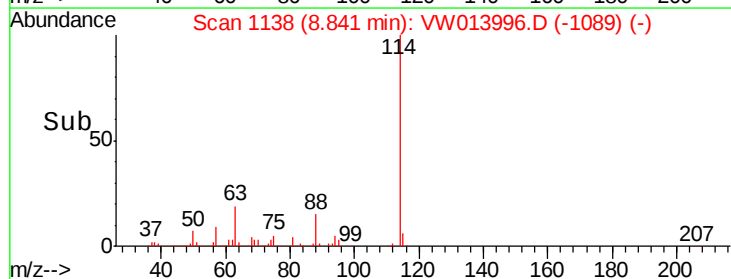
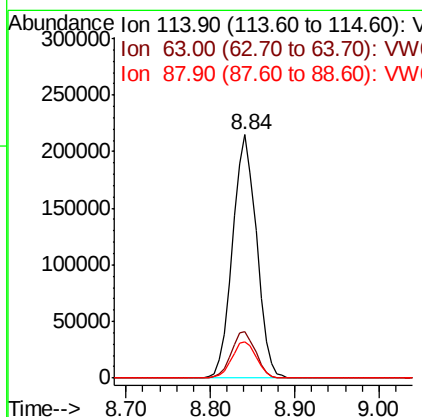
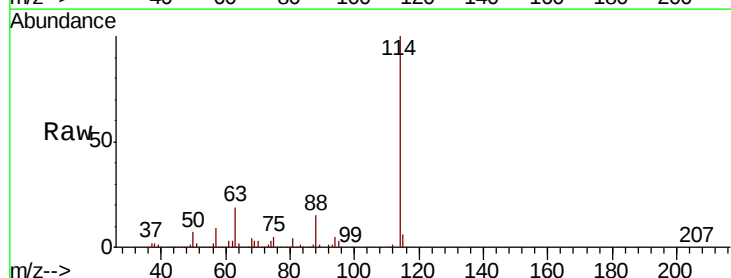
Instrument :
 MSVOA_W
 ClientSampleId :

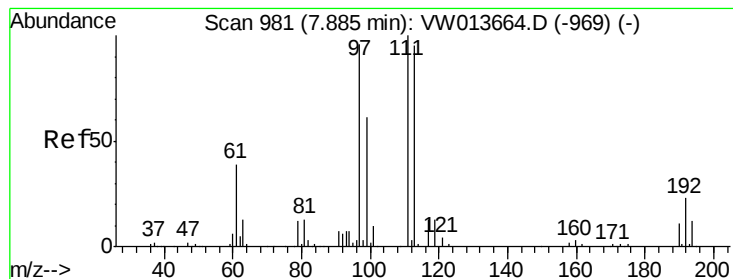
Tot Ion: 65 Resp: 112432
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013996.D
 Acq: 13 Nov 2019 10:25

Tgt Ion: 114 Resp: 414375
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.643 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

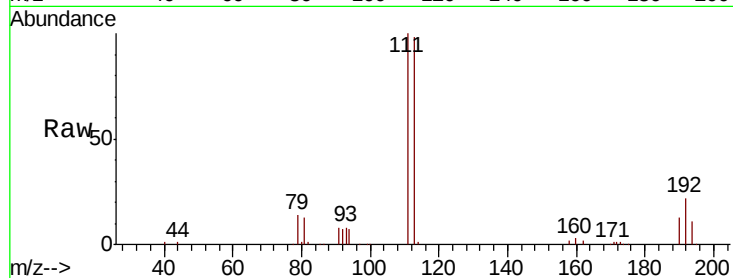
Tot Ion:113 Resp: 118907

Ion Ratio Lower Upper

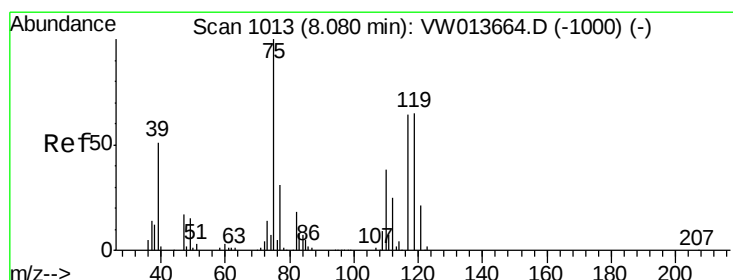
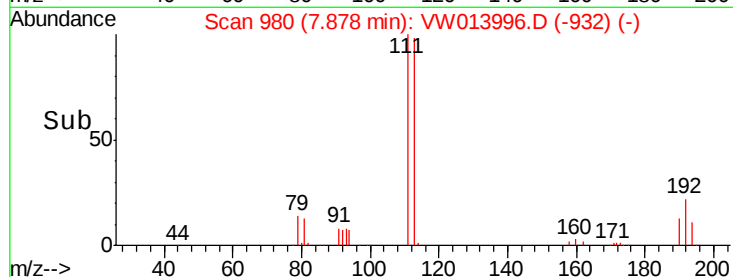
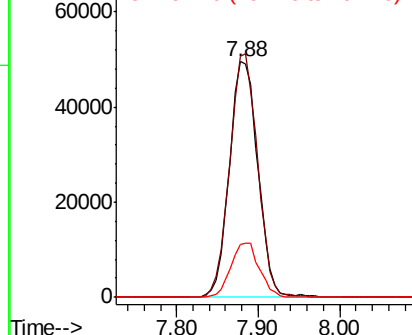
113 100

111 101.2 83.0 124.6

192 23.2 19.4 29.2



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: 4.438 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

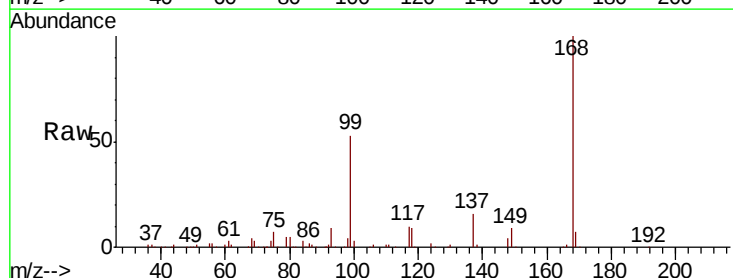
Tgt Ion: 75 Resp: 17128

Ion Ratio Lower Upper

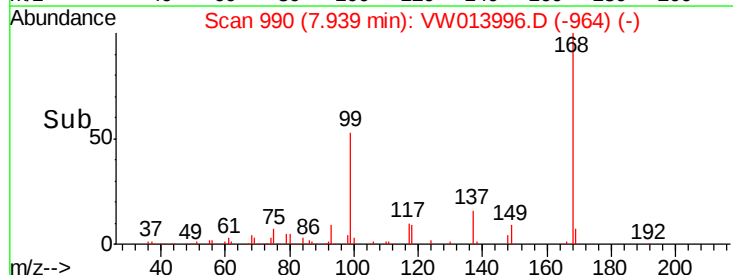
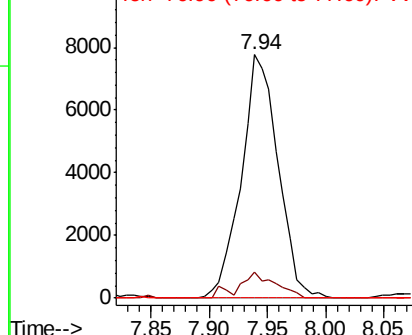
75 100

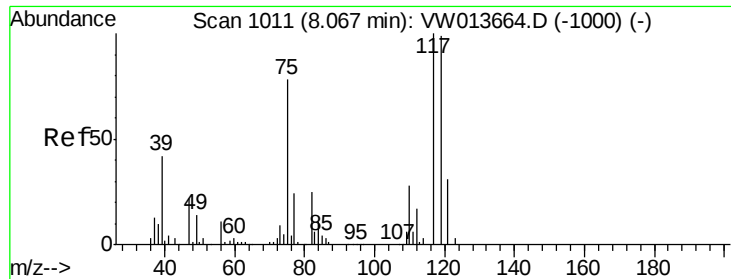
110 10.7 18.7 56.1#

77 0.0 25.4 38.0#



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: 6.491 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Instrument :

MSVOA_W

ClientSampled :

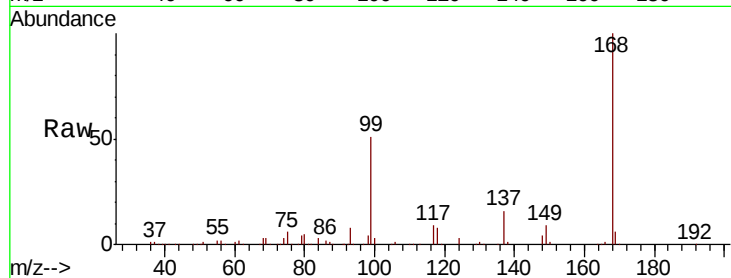
Tot Ion:117 Resp: 22558

Ion Ratio Lower Upper

117 100

119 3.3 79.0 118.4#

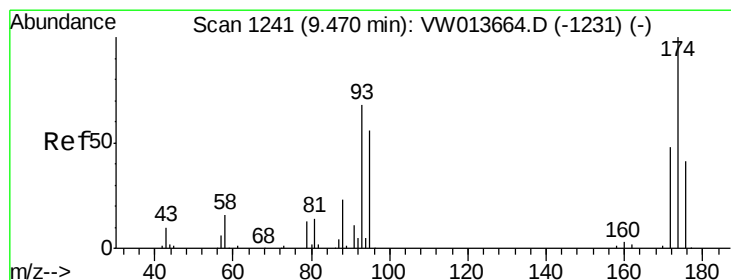
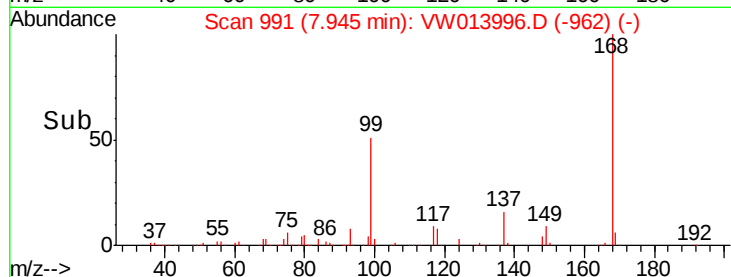
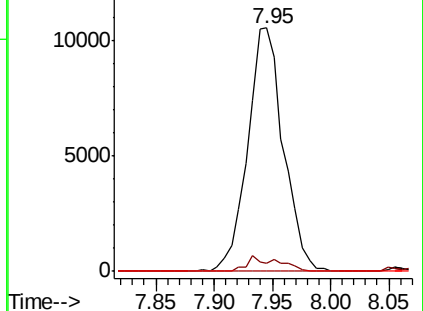
121 0.0 24.5 36.7#



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



#49

1,4-Dioxane

Concen: 1.016 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

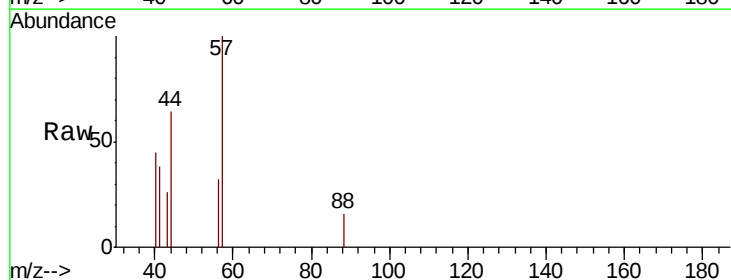
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

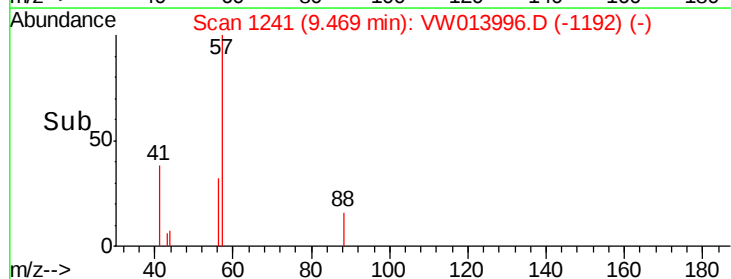
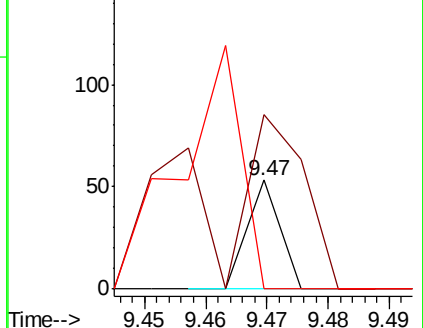
58 436.8 58.9 88.3#

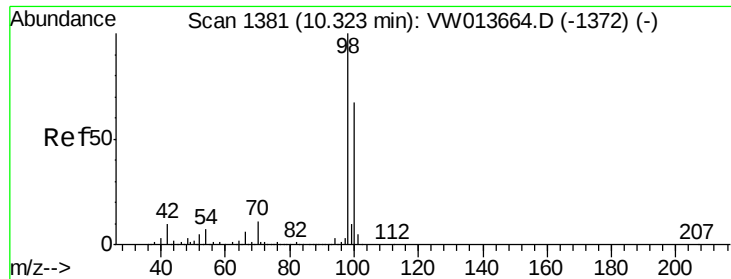


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.243 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Instrument :

MSVOA_W

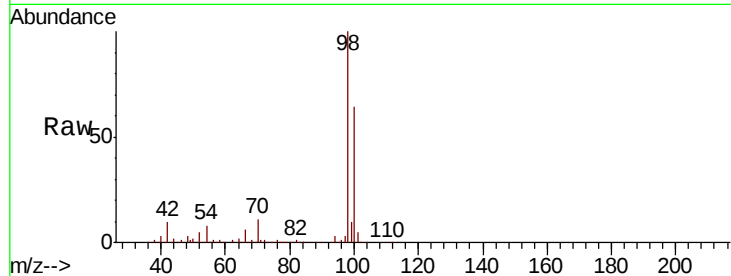
ClientSampled :

Tot Ion: 98 Resp: 480770

Ion Ratio Lower Upper

98 100

100 65.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

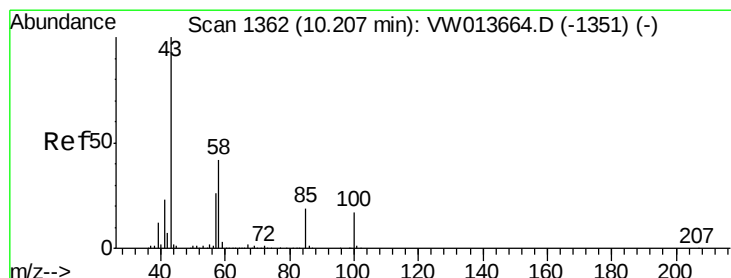
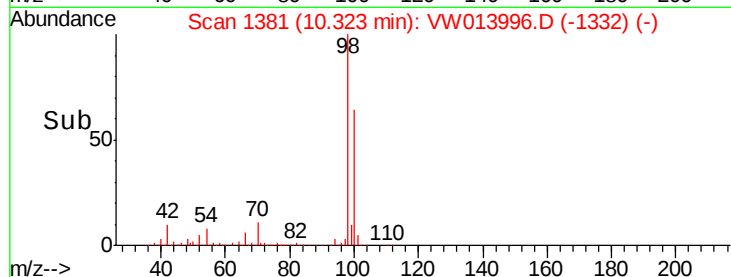
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.218 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013996.D

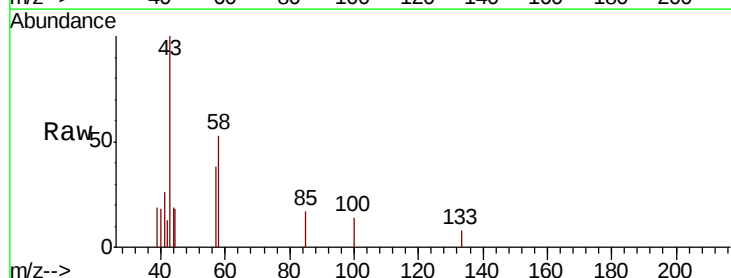
Acq: 13 Nov 2019 10:25

Tgt Ion: 43 Resp: 1712

Ion Ratio Lower Upper

43 100

58 48.4 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1000

800

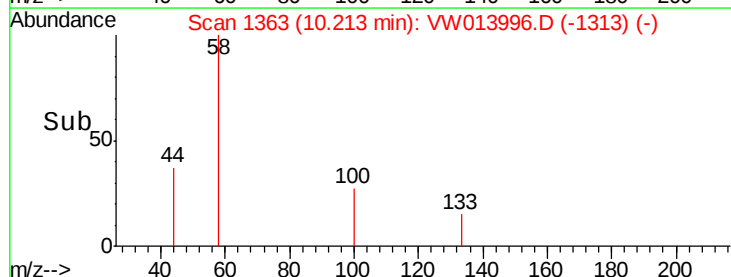
600

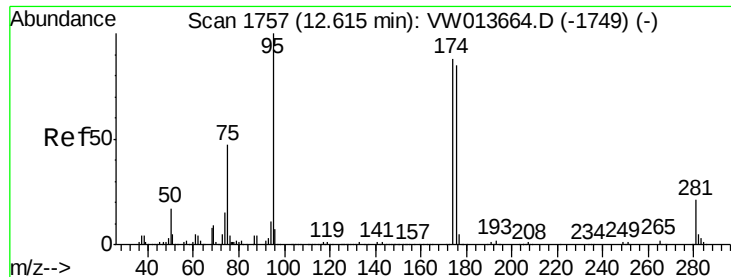
400

200

0

Time--> 10.15 10.20 10.25

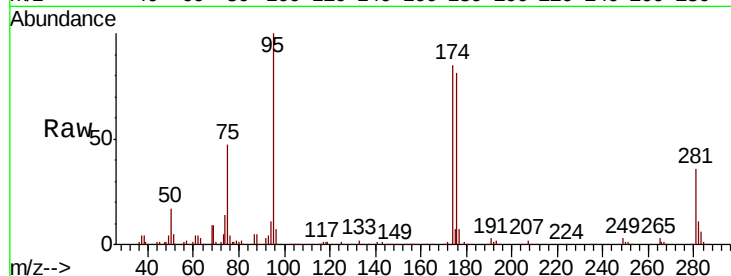




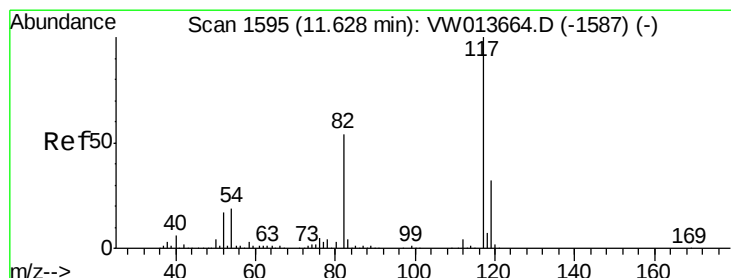
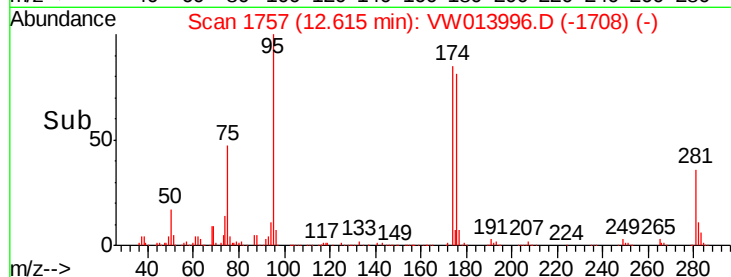
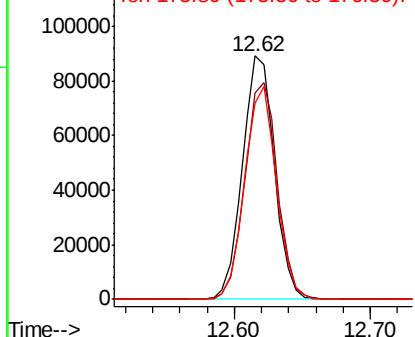
#62
4-Bromofluorobenzene
Concen: 46.207 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013996.D
Acq: 13 Nov 2019 10:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 95 Resp: 146792
Ion Ratio Lower Upper
95 100
174 90.8 0.0 183.6
176 86.8 0.0 178.0

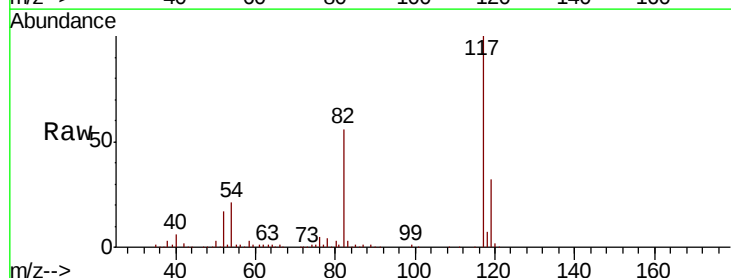


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

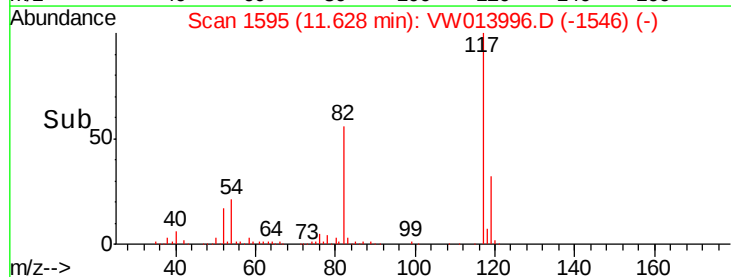
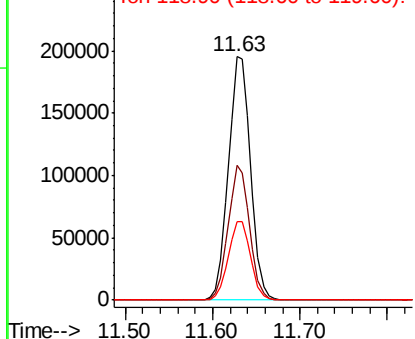


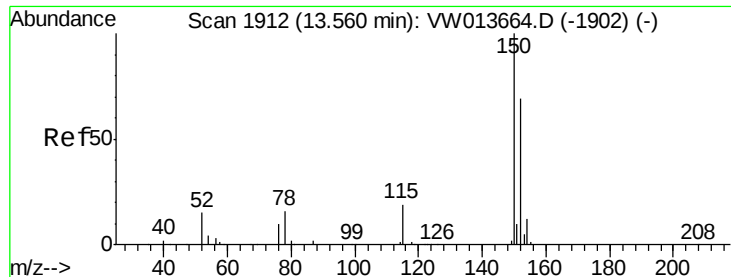
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013996.D
Acq: 13 Nov 2019 10:25

Tgt Ion: 117 Resp: 344387
Ion Ratio Lower Upper
117 100
82 55.6 43.6 65.4
119 32.4 25.4 38.2



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



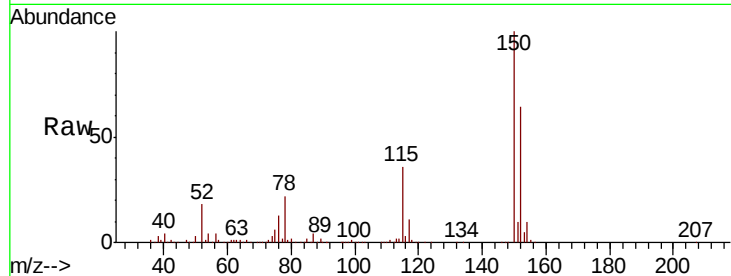


#72

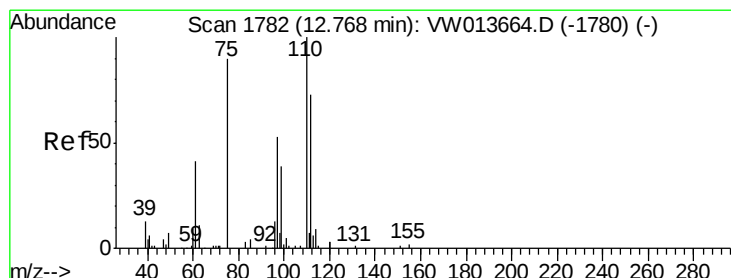
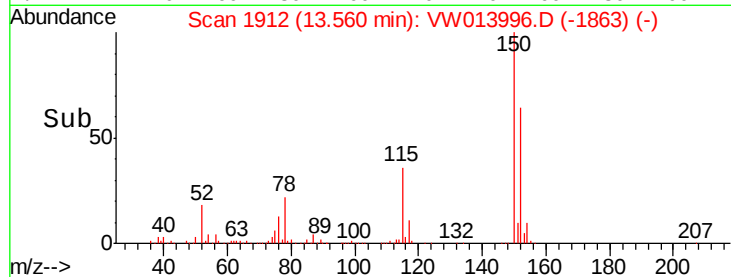
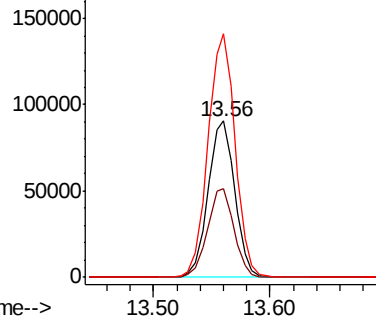
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013996.D
Acq: 13 Nov 2019 10:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.4	82.2
150	157.8	0.0	345.4



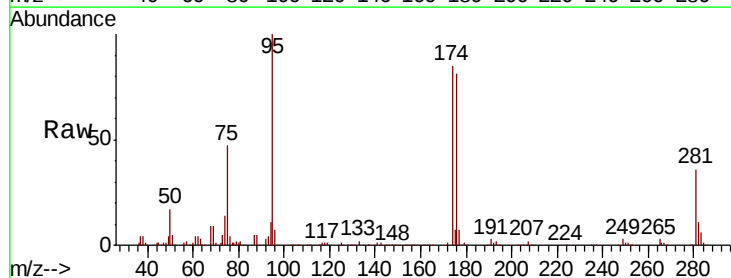
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



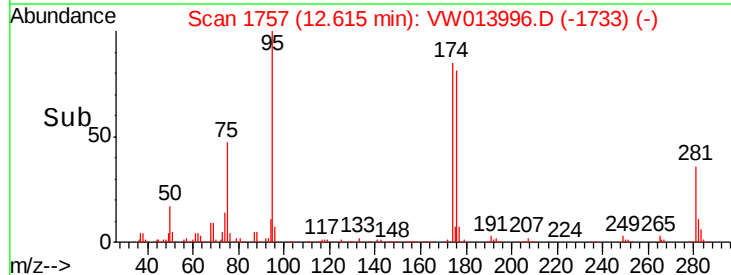
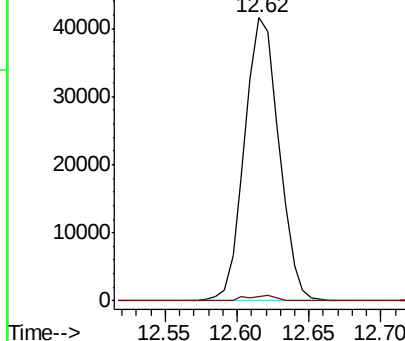
#76

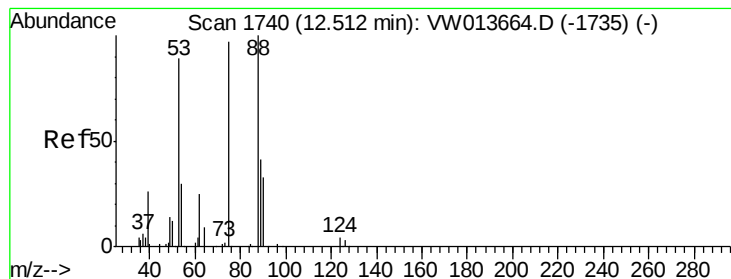
1,2,3-Trichloropropane
Concen: 66.218 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013996.D
Acq: 13 Nov 2019 10:25

Tgt 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: 125.143 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013996.D

Acq: 13 Nov 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

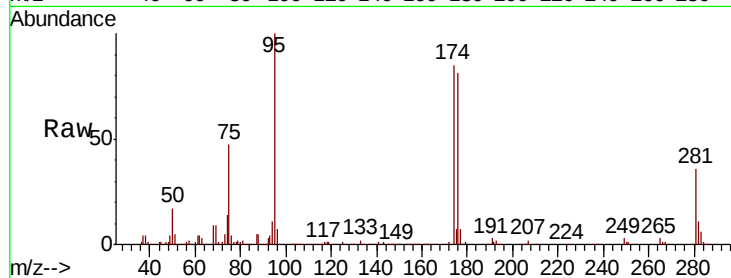
Tot Ion: 75 Resp: 68814

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.4 35.8 53.8#



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

