

Data File : VW013163.D
Acq On : 19 Sep 2019 16:09
Operator : SY/VA
Sample : K4825-07RE
Misc : 5.12G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-2RE

Quant Time: Sep 20 07:46:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	309637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136557	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.88	113	134279	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.32	98	505384	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.62	95	117870	32.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.40%	

Target Compounds

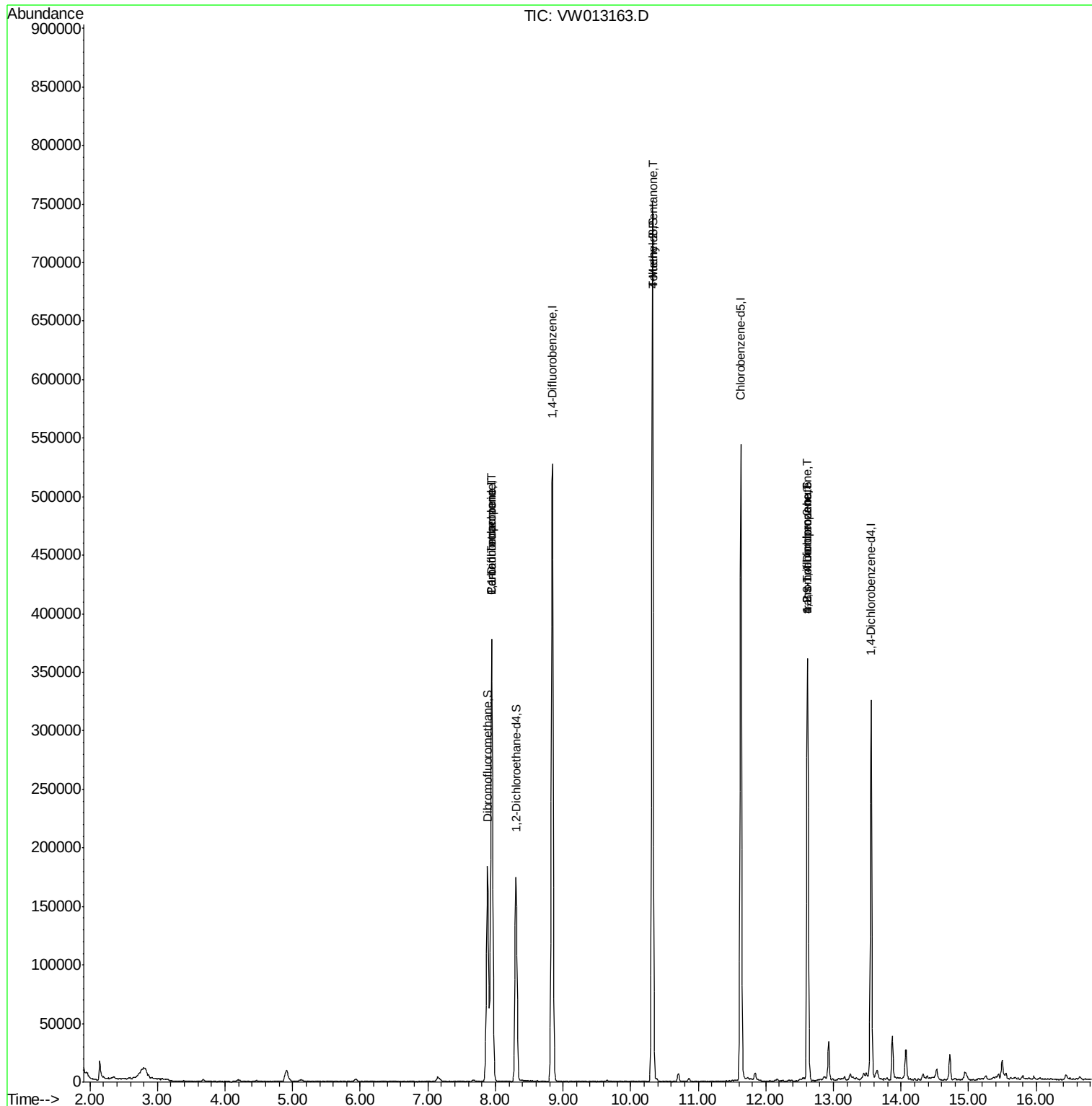
						Qvalue
3) Chloromethane	2.20	50	151	Below Cal	#	41
11) Tert butyl alcohol	5.18	59	154	Below Cal	#	72
16) Acetone	4.12	43	388	Below Cal	#	71
20) Methylene Chloride	4.92	84	8213	Below Cal	#	83
26) 2,2-Dichloropropane	7.17	77	49	Below Cal	#	55
31) Cyclohexane	7.94	56	5232	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	20818	5.518 ug/l	#	50
38) Carbon Tetrachloride	7.95	117	27733	7.173 ug/l	#	14
51) 4-Methyl-2-Pentanone	10.32	43	2004	1.010 ug/l	#	1
76) 1,2,3-Trichloropropane	12.62	75	56806	71.928 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56806	163.168 ug/l	#	7

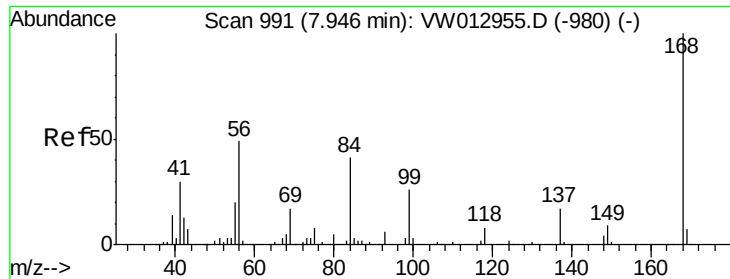
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013163.D

Acq: 19 Sep 2019 16:09

Instrument :

MSVOA_W

ClientSampleId :

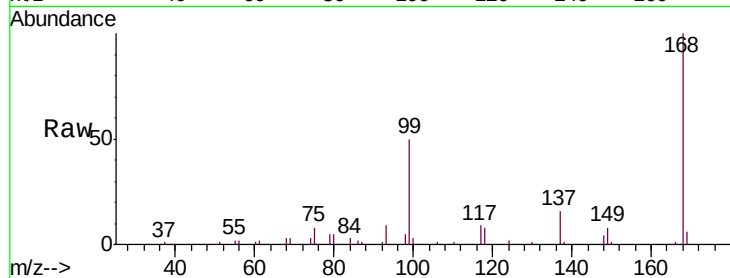
CSA-4-1-2RE

Tgt Ion:168 Resp: 309637

Ion Ratio Lower Upper

168 100

99 50.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

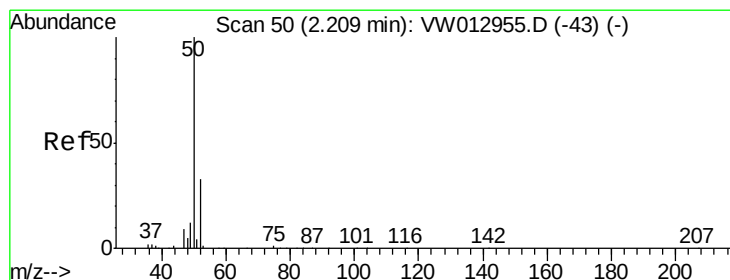
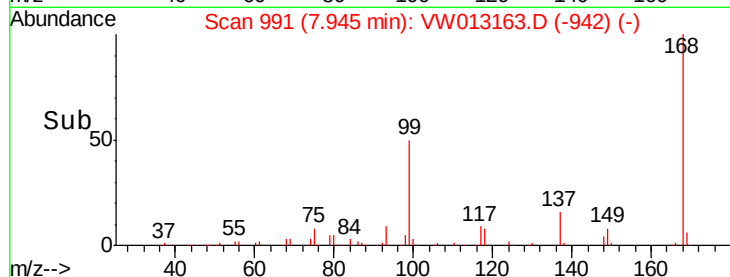
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013163.D

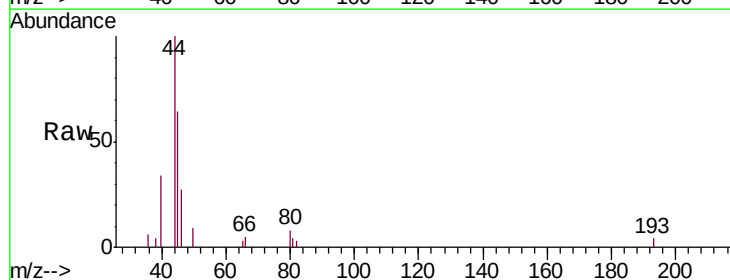
Acq: 19 Sep 2019 16:09

Tgt Ion: 50 Resp: 151

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

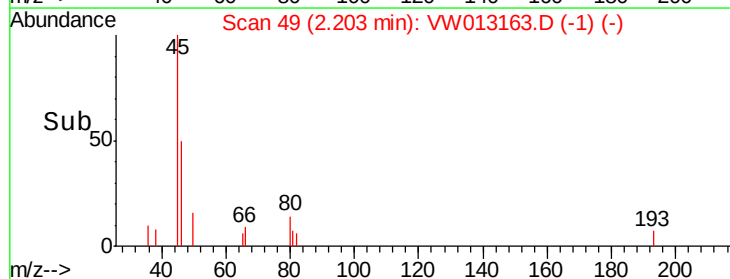
150

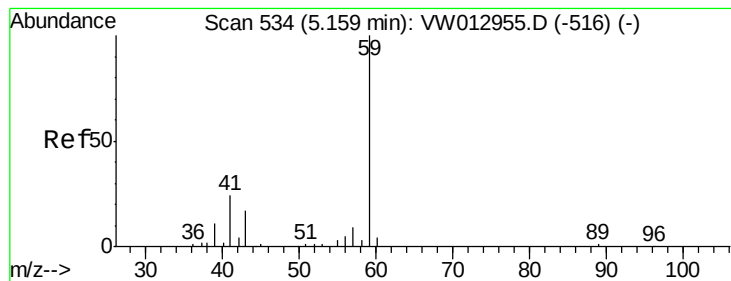
100

50

0

Time--> 2.18 2.20 2.22 2.24



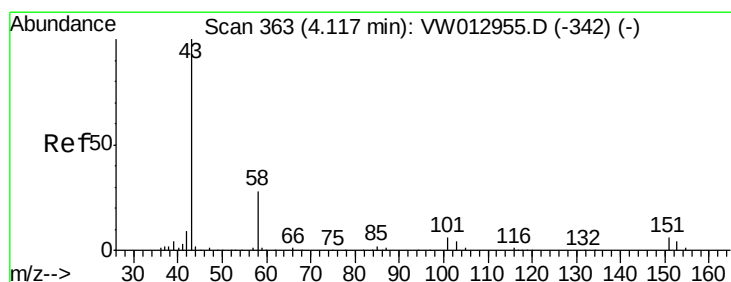
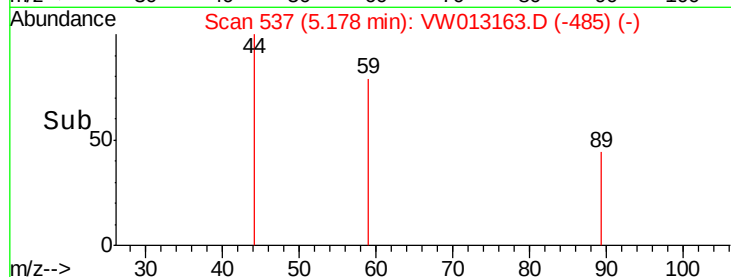
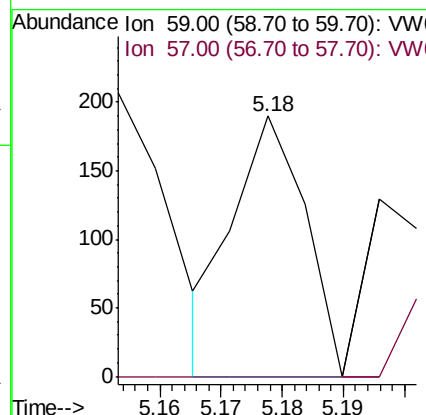
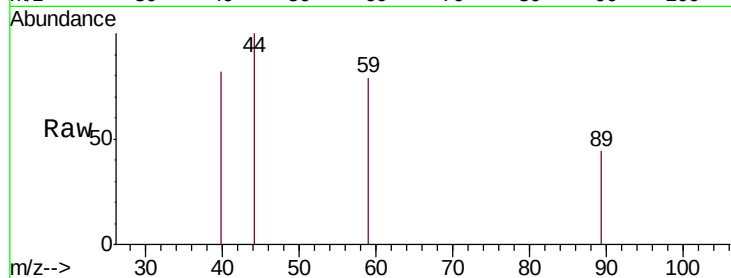


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013163.D
 Acq: 19 Sep 2019 16:09

Instrument :
 MSVOA_W
 ClientSampled :
 CSA-4-1-2RE

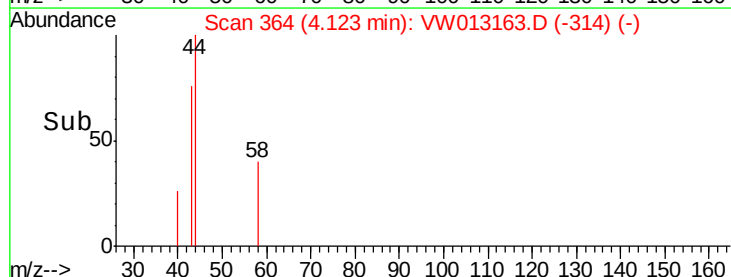
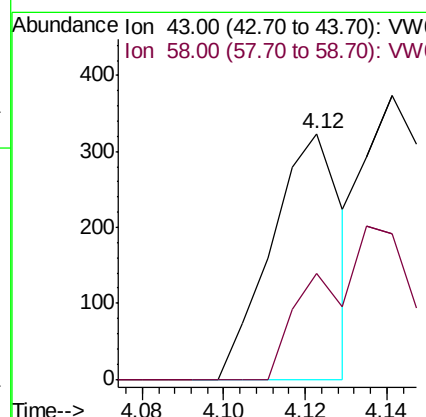
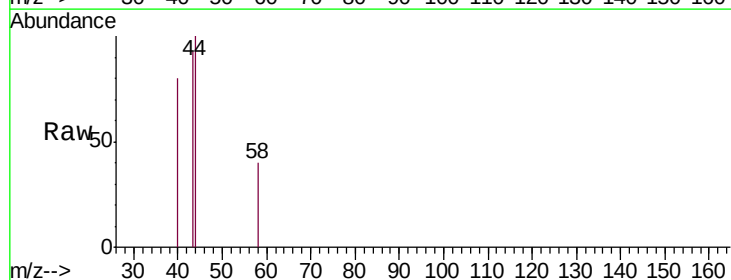
Tgt Ion: 59 Resp: 154
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

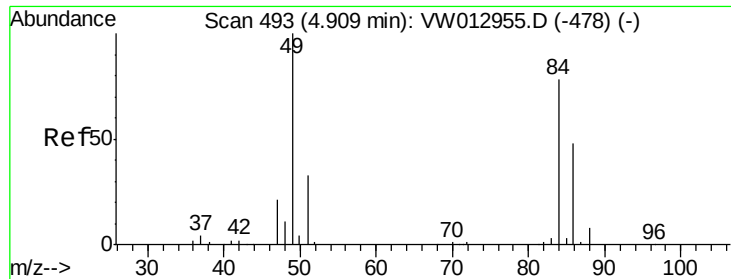


#16

Acetone
 Concen: Below Cal
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW013163.D
 Acq: 19 Sep 2019 16:09

Tgt Ion: 43 Resp: 388
 Ion Ratio Lower Upper
 43 100
 58 43.2 22.3 33.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013163.D

Acq: 19 Sep 2019 16:09

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-1-2RE

Tgt Ion: 84 Resp: 8213

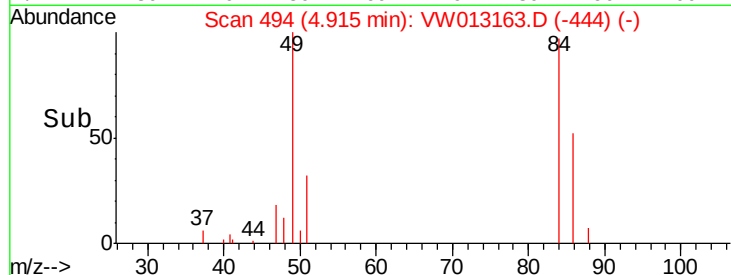
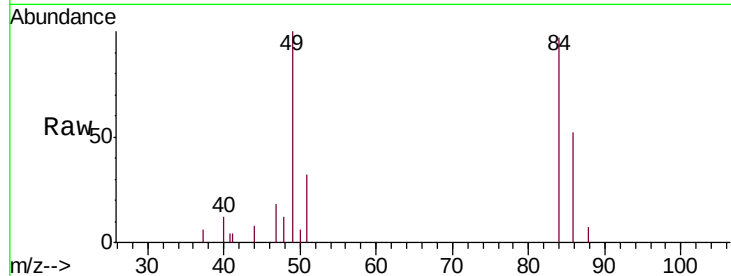
Ion Ratio Lower Upper

84 100

49 103.1 102.0 153.0

51 32.6 34.0 51.0#

86 53.6 48.5 72.7

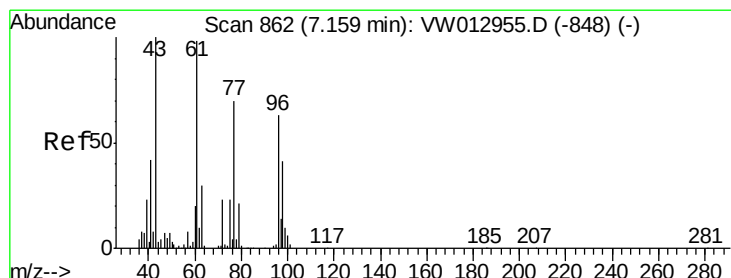
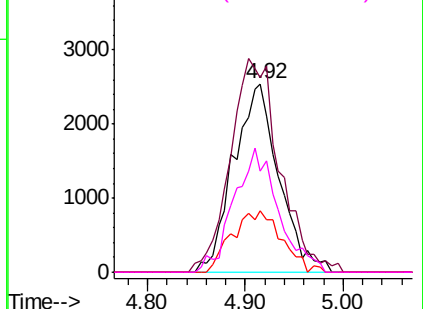


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013163.D

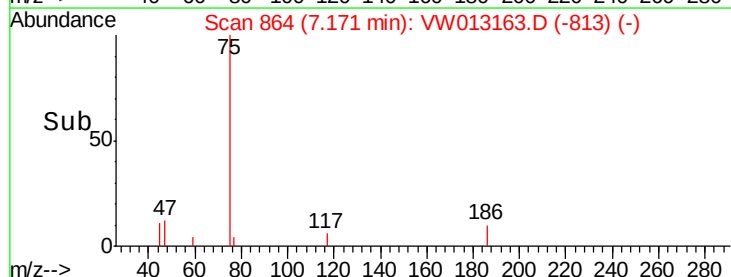
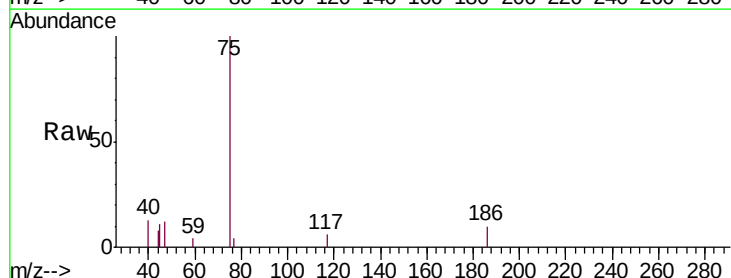
Acq: 19 Sep 2019 16:09

Tgt Ion: 77 Resp: 49

Ion Ratio Lower Upper

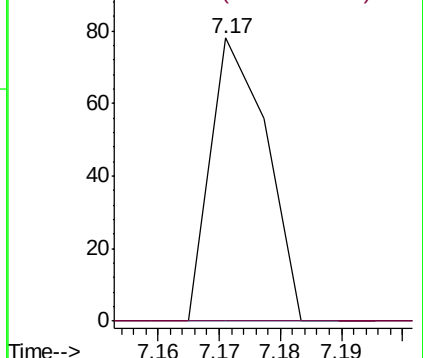
77 100

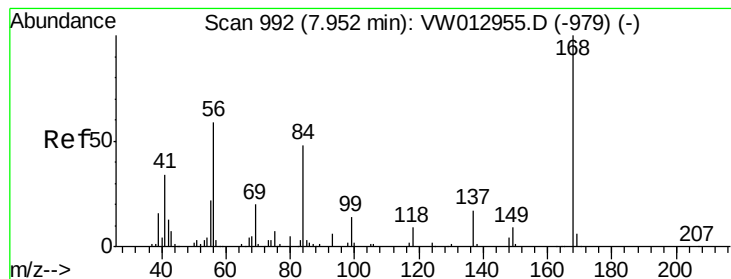
97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013163.D

Acq: 19 Sep 2019 16:09

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-1-2RE

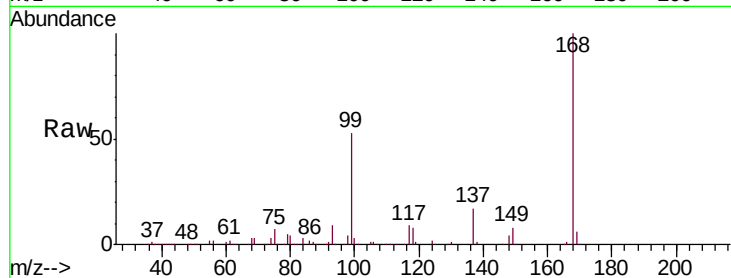
Tgt Ion: 56 Resp: 5232

Ion Ratio Lower Upper

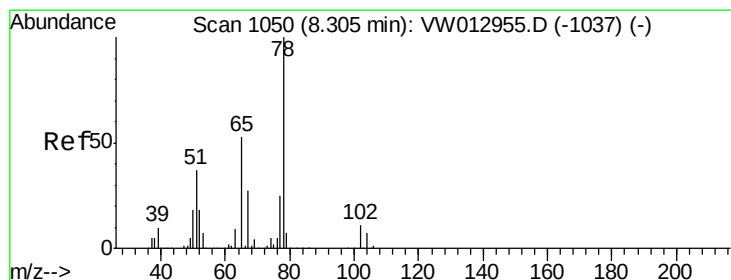
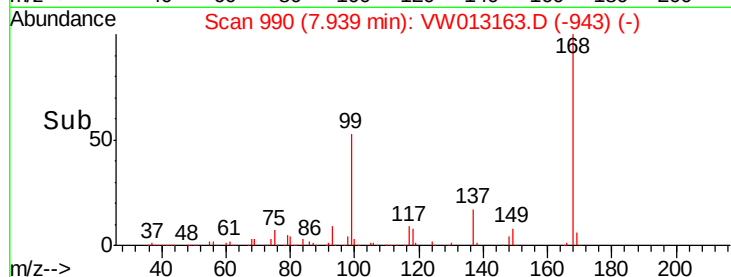
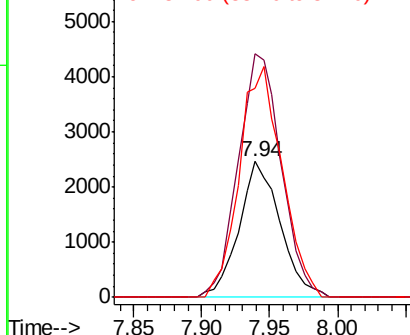
56 100

69 179.5 27.0 40.6#

84 154.3 66.2 99.2#



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: 47.752 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013163.D

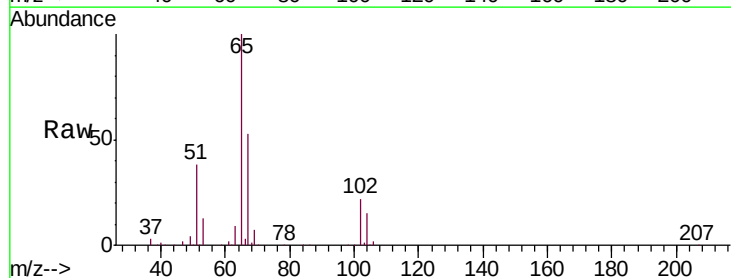
Acq: 19 Sep 2019 16:09

Tgt Ion: 65 Resp: 136557

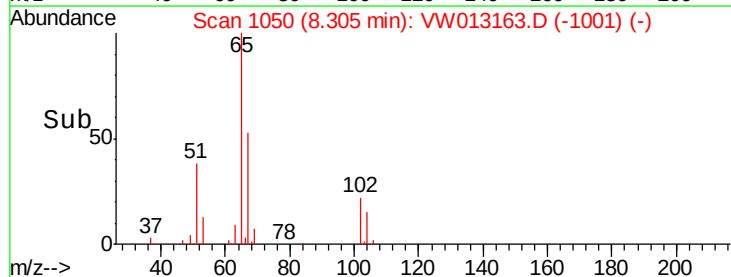
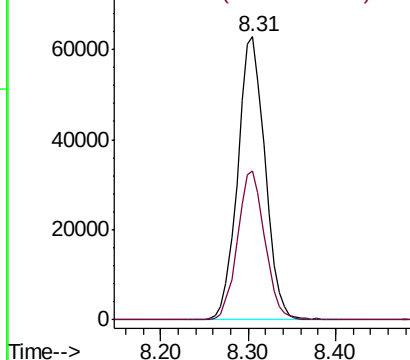
Ion Ratio Lower Upper

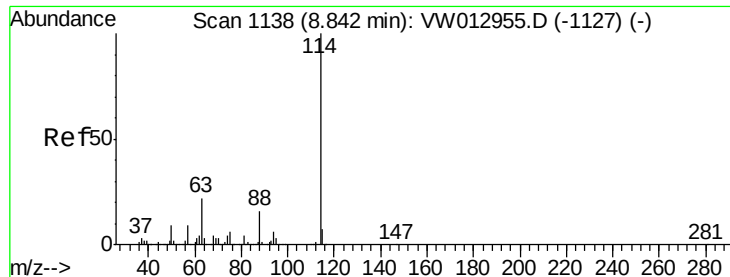
65 100

67 52.6 0.0 101.2



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

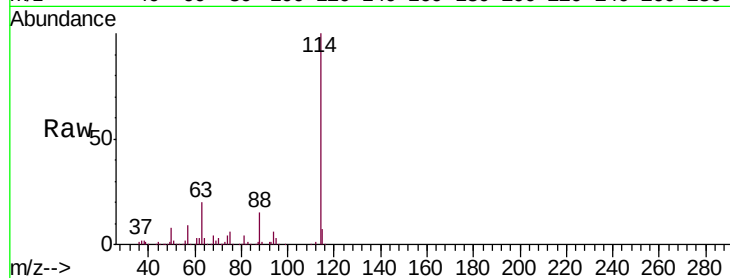




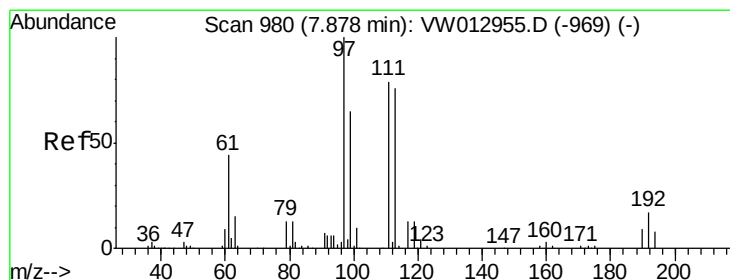
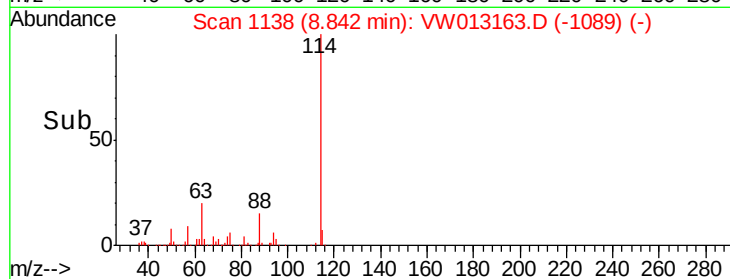
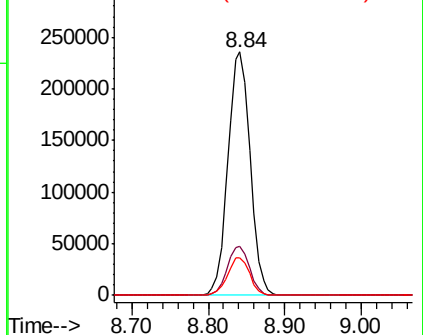
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013163.D
 Acq: 19 Sep 2019 16:09

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-1-2RE

Tgt Ion:114 Resp: 472119
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.4
 88 15.4 0.0 31.6

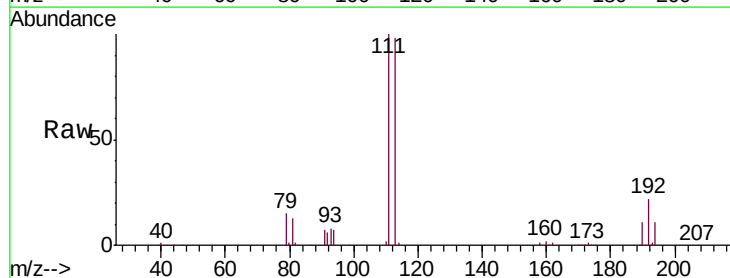


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

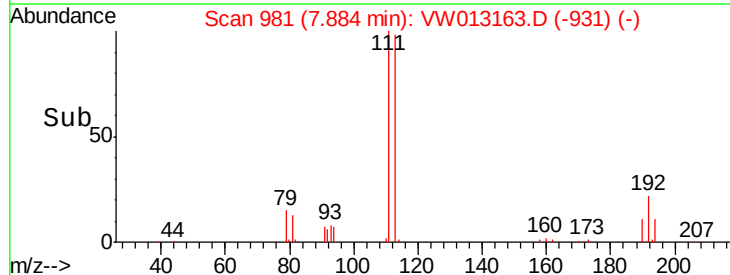
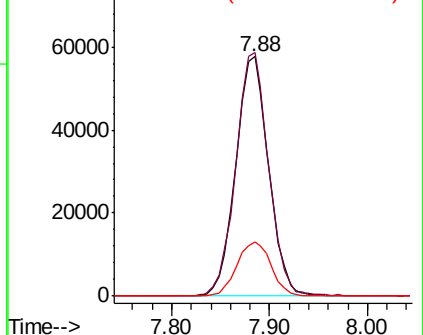


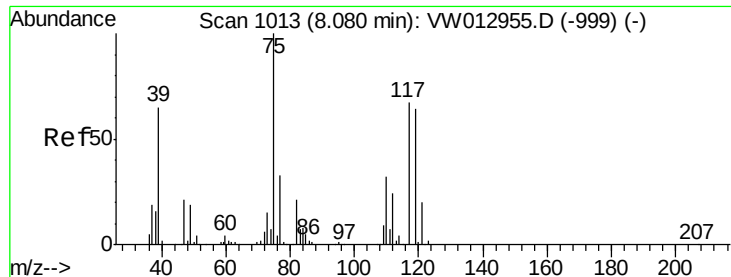
#35
 Dibromofluoromethane
 Concen: 52.416 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013163.D
 Acq: 19 Sep 2019 16:09

Tgt Ion:113 Resp: 134279
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 23.5 17.8 26.8



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: 5.518 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013163.D

Acq: 19 Sep 2019 16:09

Instrument :

MSVOA_W

ClientSampled :

CSA-4-1-2RE

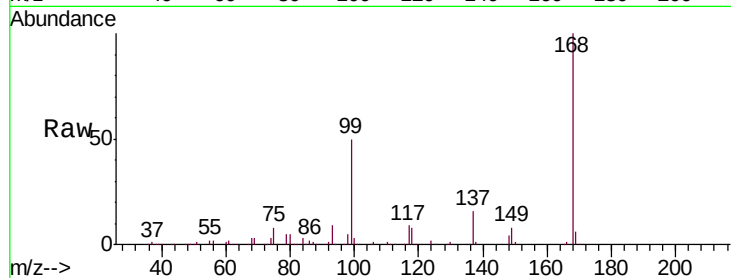
Tgt Ion: 75 Resp: 20818

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

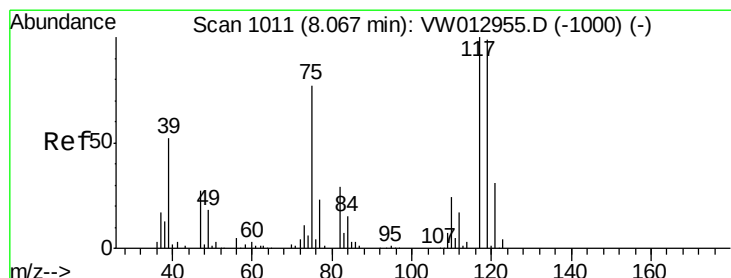
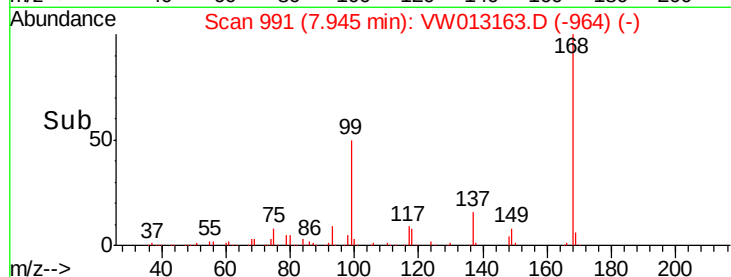
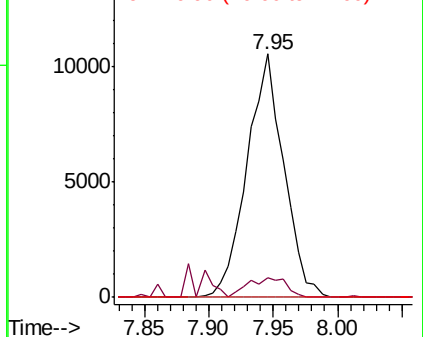
77 0.0 25.1 37.7#



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: 7.173 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013163.D

Acq: 19 Sep 2019 16:09

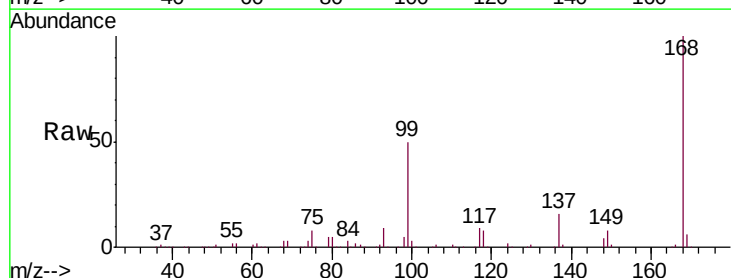
Tgt Ion: 117 Resp: 27733

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.0#

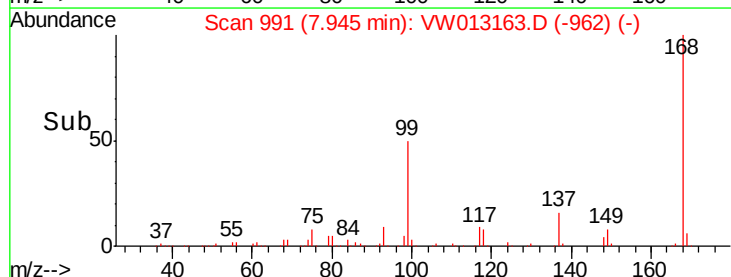
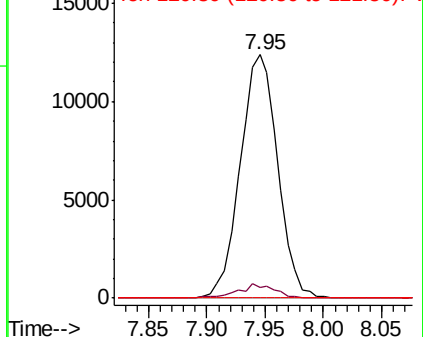
121 0.0 24.6 36.8#

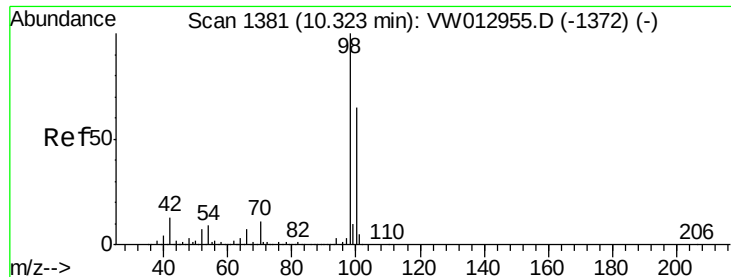


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

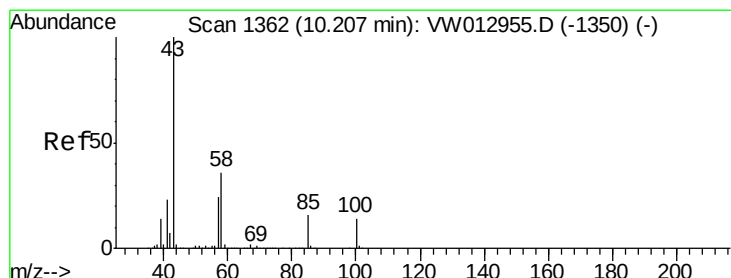
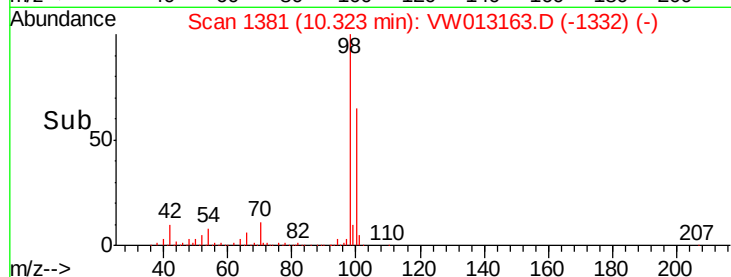
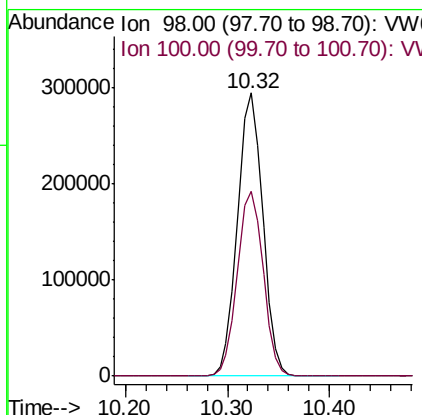
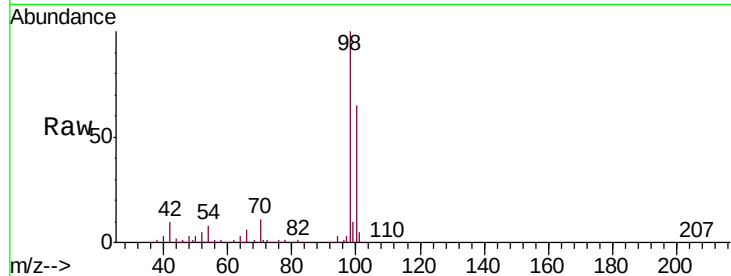




#50
Toluene-d8
Concen: 50.415 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013163.D
Acq: 19 Sep 2019 16:09

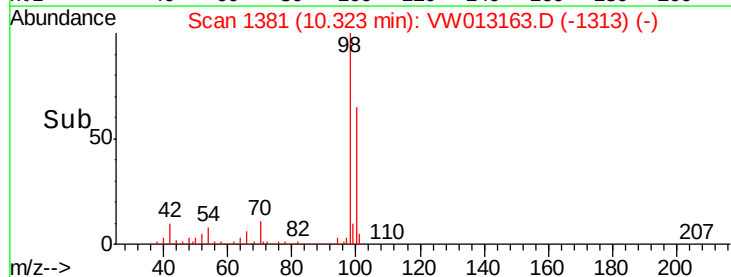
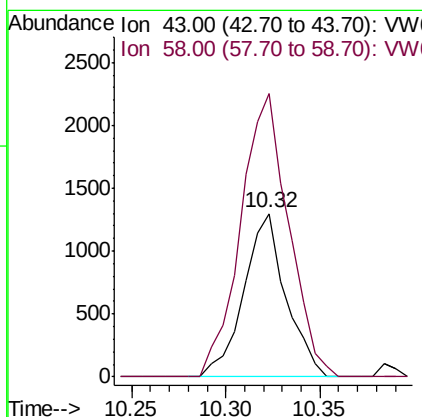
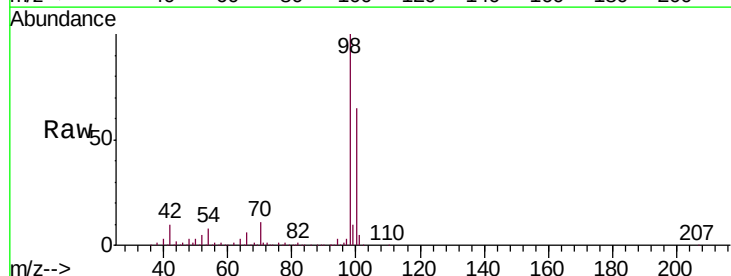
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-2RE

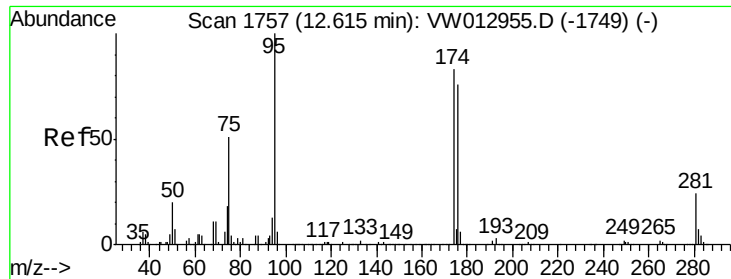
Tgt Ion: 98 Resp: 505384
Ion Ratio Lower Upper
98 100
100 66.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.010 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.12 min
Lab File: VW013163.D
Acq: 19 Sep 2019 16:09

Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
58 197.8 29.5 44.3#

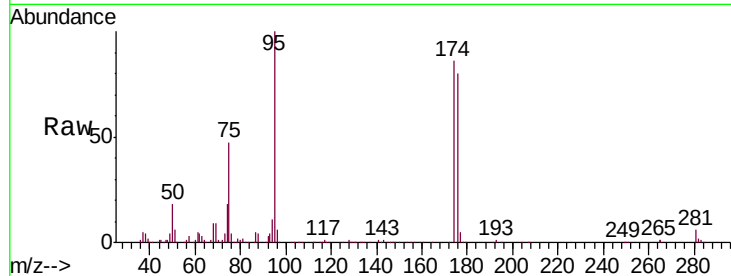




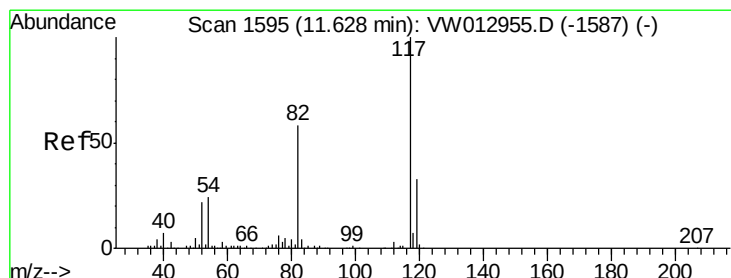
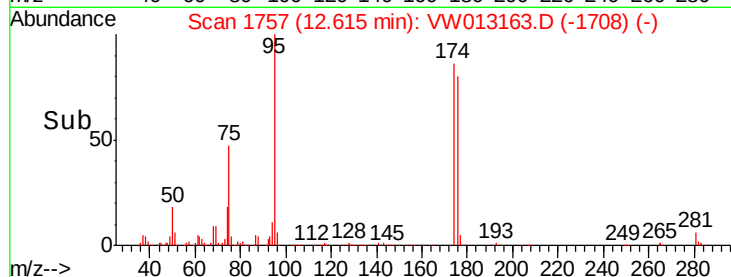
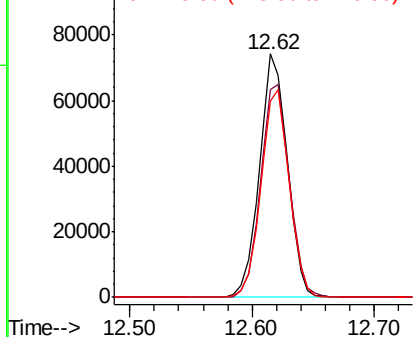
#62
4-Bromofluorobenzene
Concen: 32.700 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013163.D
Acq: 19 Sep 2019 16:09

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-2RE

Tgt Ion: 95 Resp: 117870
Ion Ratio Lower Upper
95 100
174 90.4 0.0 170.4
176 86.2 0.0 164.6

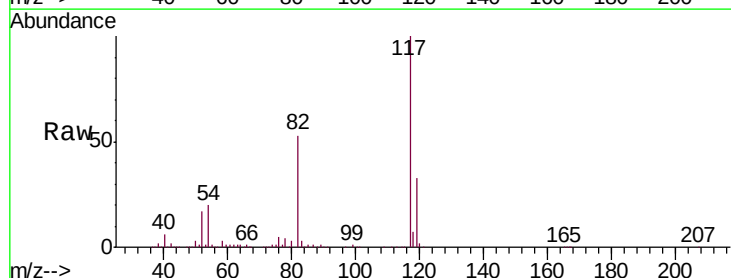


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

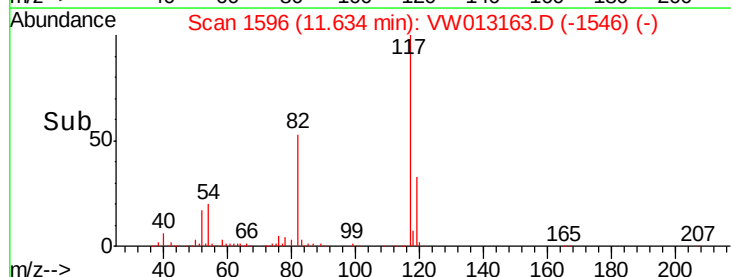
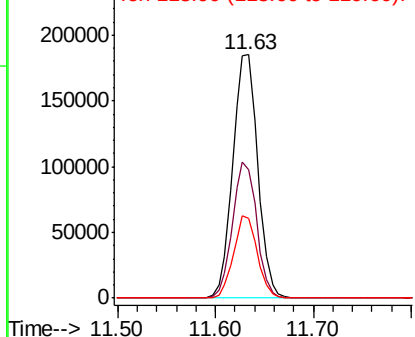


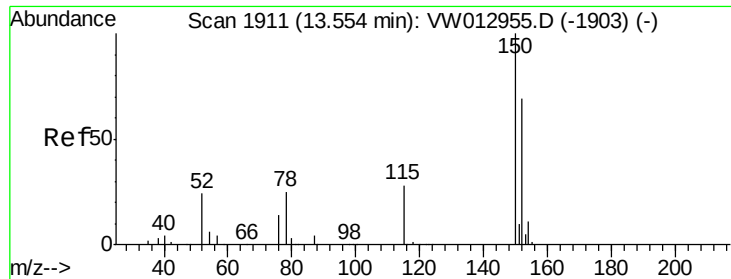
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013163.D
Acq: 19 Sep 2019 16:09

Tgt Ion: 117 Resp: 327682
Ion Ratio Lower Upper
117 100
82 52.5 46.3 69.5
119 32.9 26.2 39.4



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



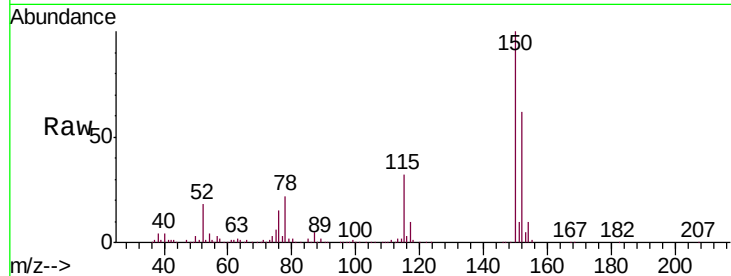


#72

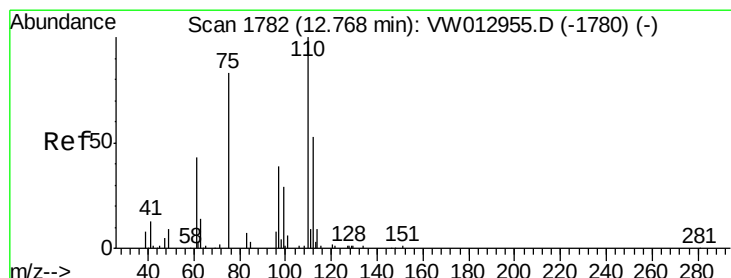
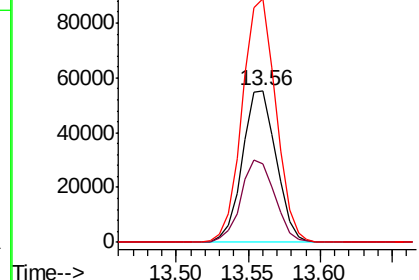
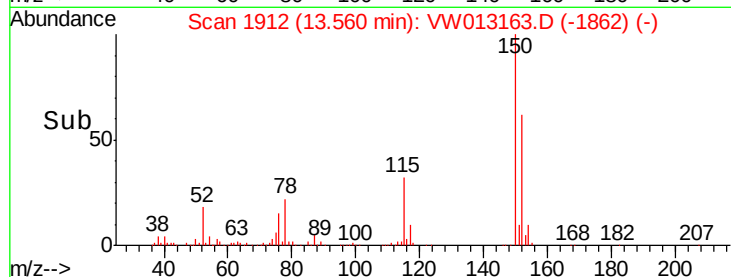
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013163.D
Acq: 19 Sep 2019 16:09

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-2RE

Tgt Ion: 152 Resp: 90163
Ion Ratio Lower Upper
152 100
115 55.0 28.8 86.4
150 160.1 0.0 340.2



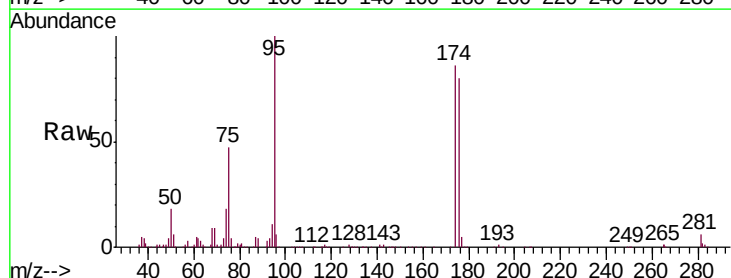
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



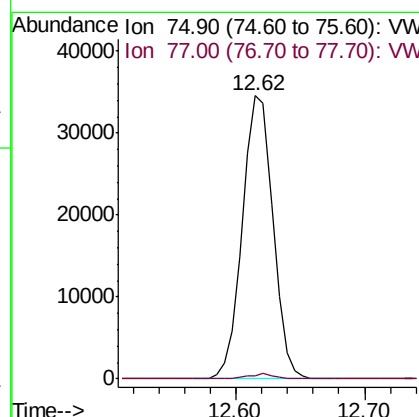
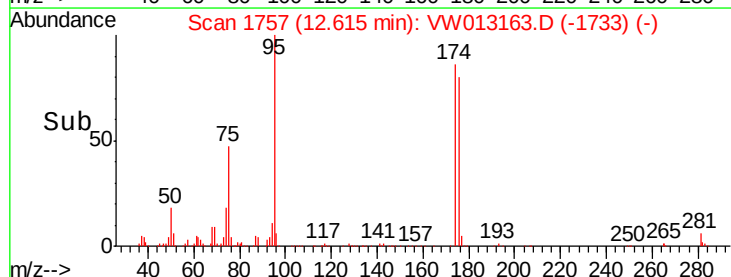
#76

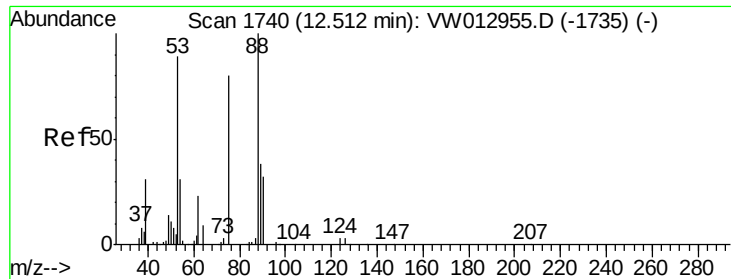
1,2,3-Trichloropropane
Concen: 71.928 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013163.D
Acq: 19 Sep 2019 16:09

Tgt Ion: 75 Resp: 56806
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: 163.168 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013163.D

Acq: 19 Sep 2019 16:09

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-1-2RE

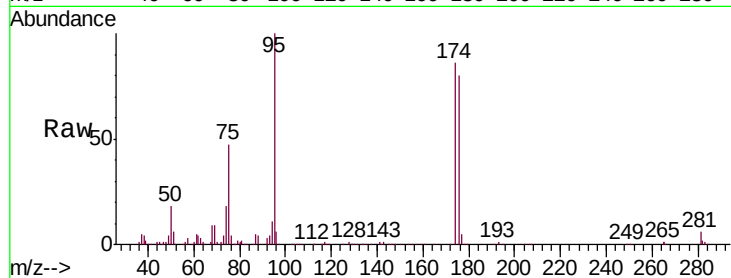
Tgt Ion: 75 Resp: 56806

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



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

