

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010895.D
 Acq On : 20 Jun 2019 16:38
 Operator : SY/VA
 Sample : K3445-03
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:47:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153491	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	7.88	113	108492	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.32	98	469894	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	127120	38.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.56%	

Target Compounds

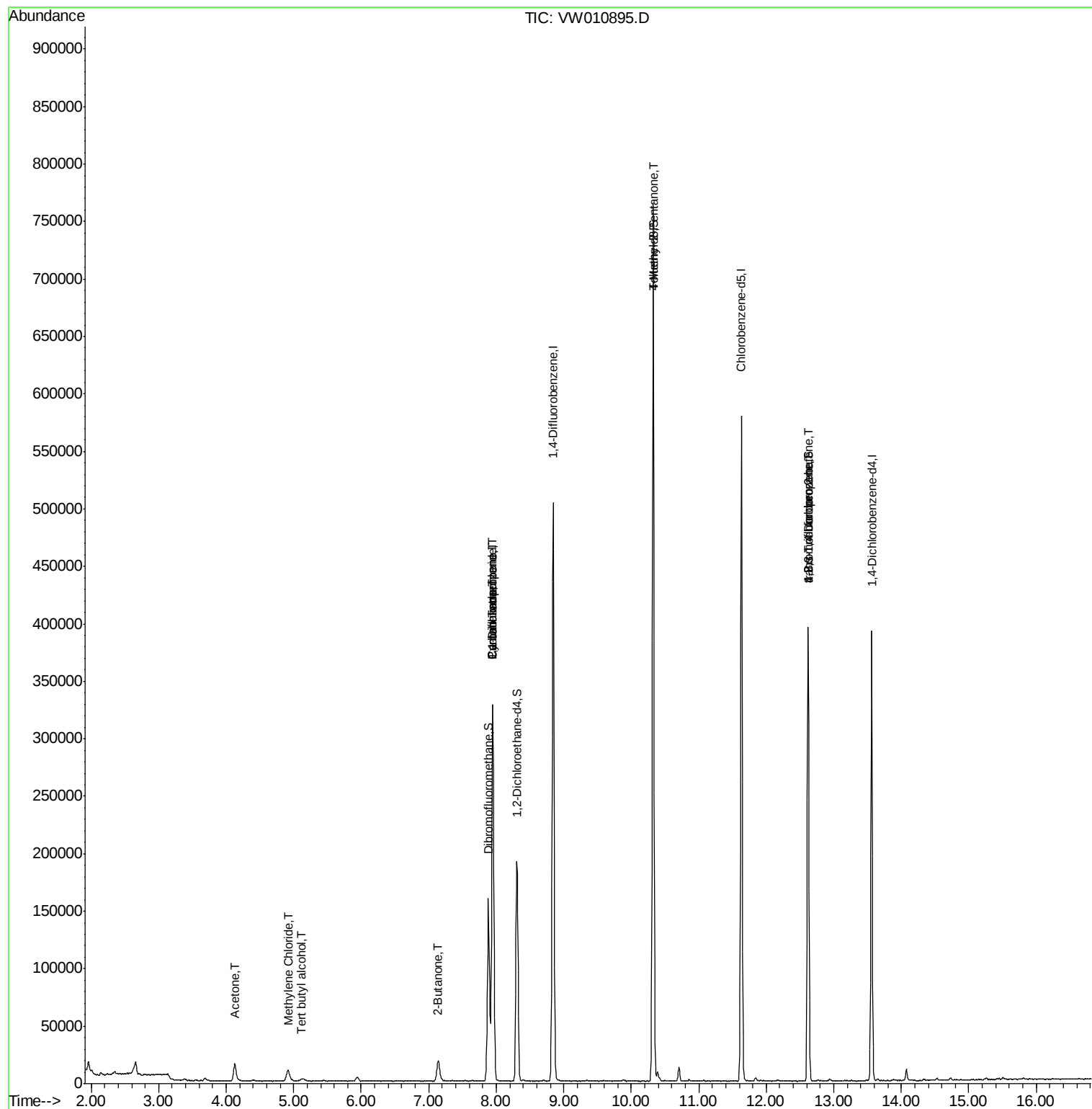
						Qvalue
11) Tert butyl alcohol	5.12	59	2582	11.374	ug/l #	72
16) Acetone	4.12	43	28312	37.918	ug/l	98
20) Methylene Chloride	4.92	84	6605	2.522	ug/l	97
25) 2-Butanone	7.13	43	1690	1.632	ug/l #	53
31) Cyclohexane	7.95	56	6404	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21492	5.476	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24394	7.200	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	3157	1.471	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70130	73.750	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70130	169.503	ug/l #	5

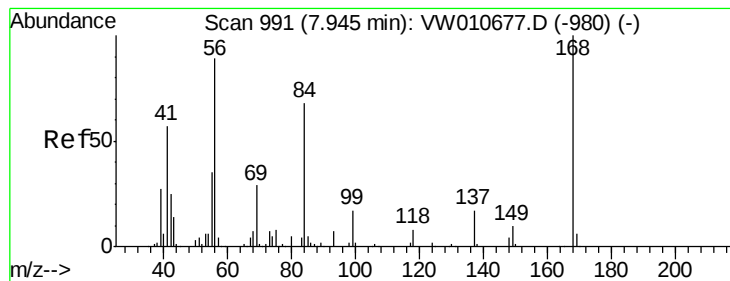
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 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: VW010895.D

Acq: 20 Jun 2019 16:38

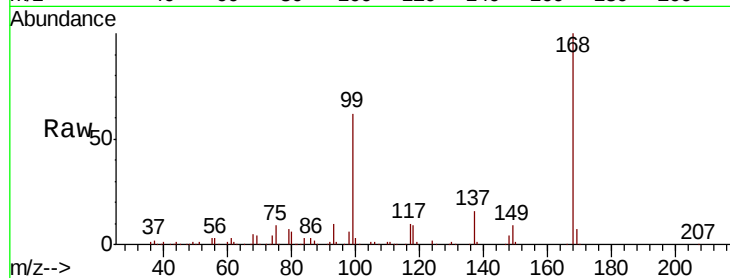
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 236418

Ion Ratio Lower Upper

168 100

99 61.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

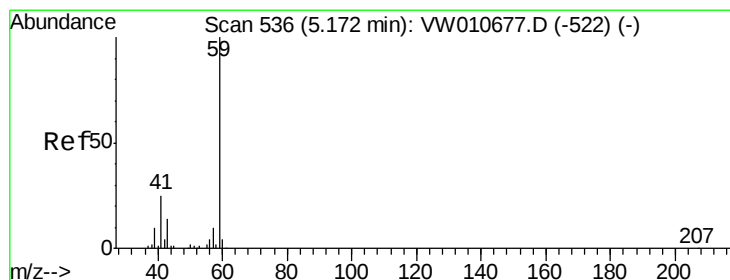
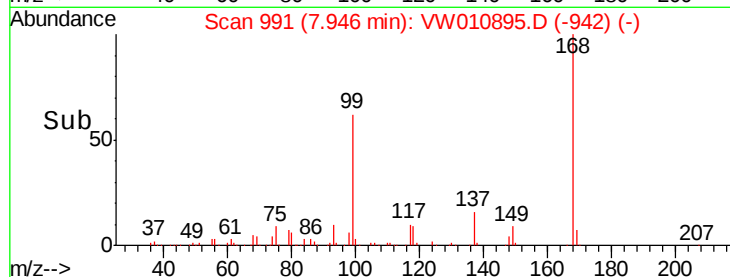
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.374 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW010895.D

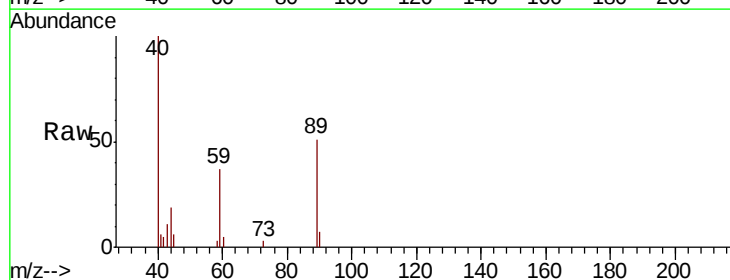
Acq: 20 Jun 2019 16:38

Tgt Ion: 59 Resp: 2582

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

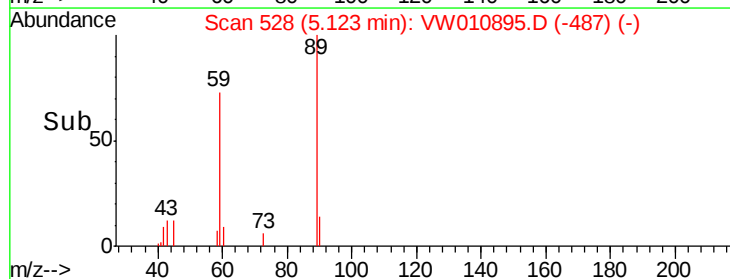
600

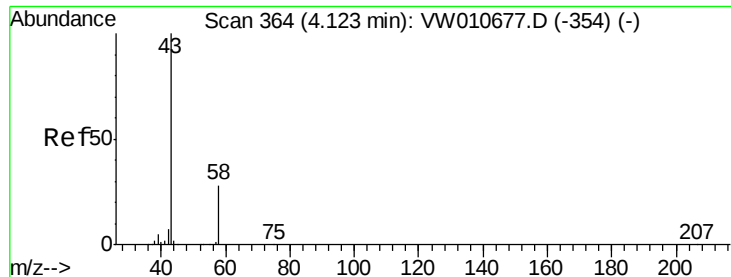
400

200

0

Time-->





#16

Acetone

Concen: 37.918 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

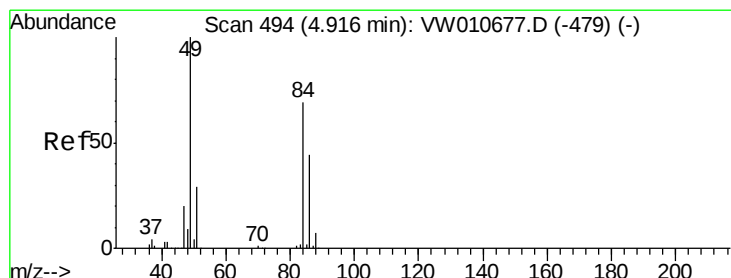
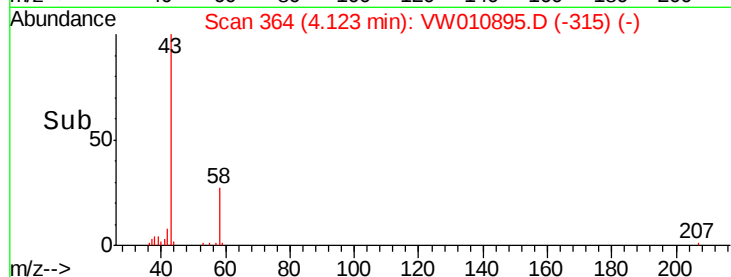
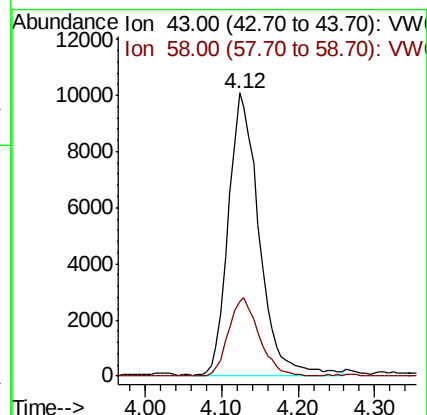
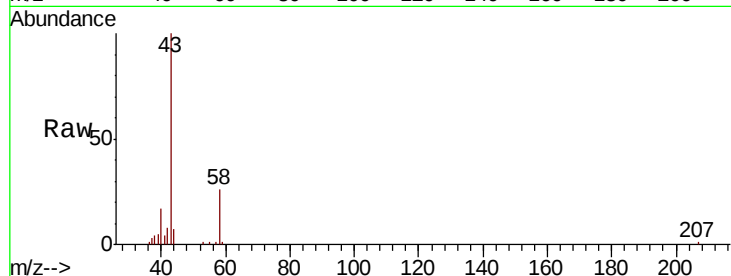
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 28312

Ion Ratio Lower Upper

43 100

58 26.4 22.1 33.1



#20

Methylene Chloride

Concen: 2.522 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

Tgt Ion: 84 Resp: 6605

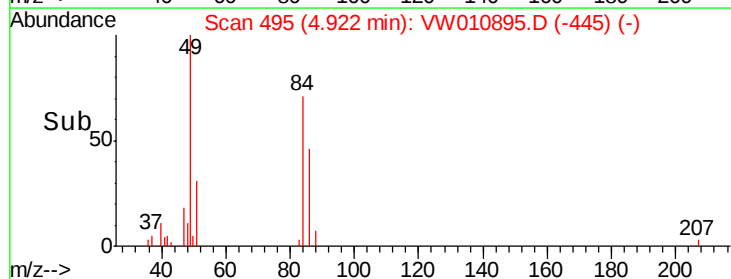
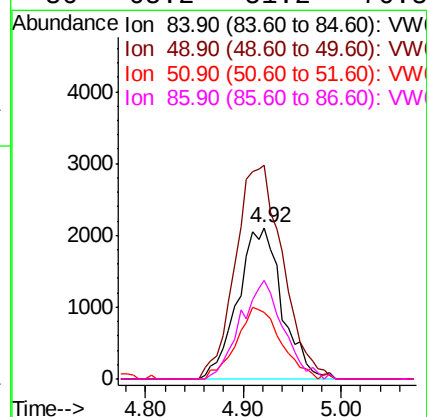
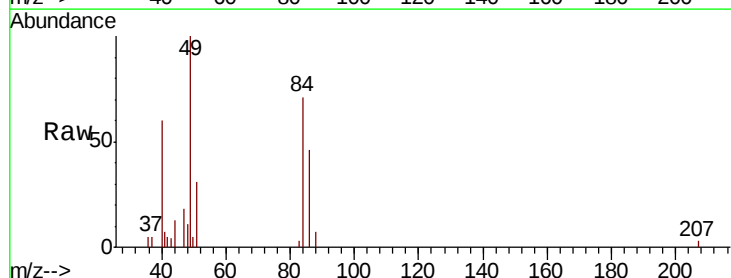
Ion Ratio Lower Upper

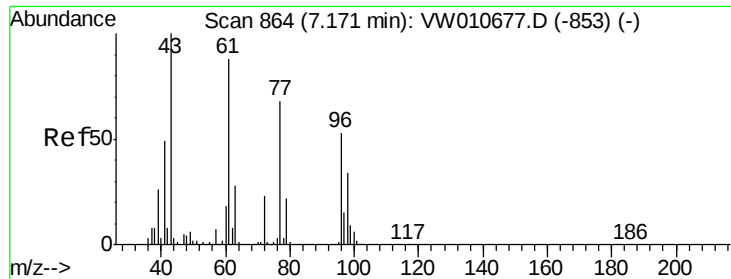
84 100

49 141.4 116.7 175.1

51 44.5 34.2 51.2

86 65.2 51.2 76.8





#25

2-Butanone

Concen: 1.632 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

Instrument :

MSVOA_W

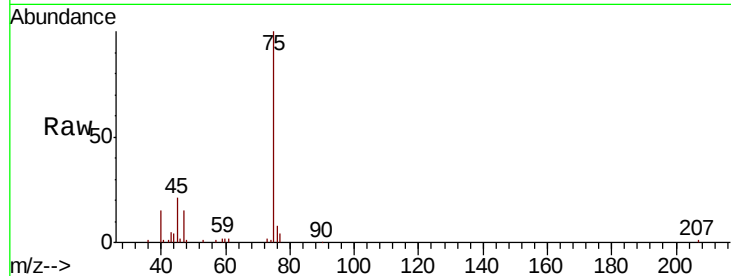
ClientSampled :

Tot Ion: 43 Resp: 1690

Ion Ratio Lower Upper

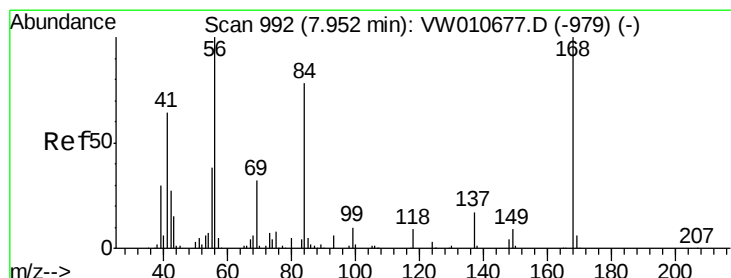
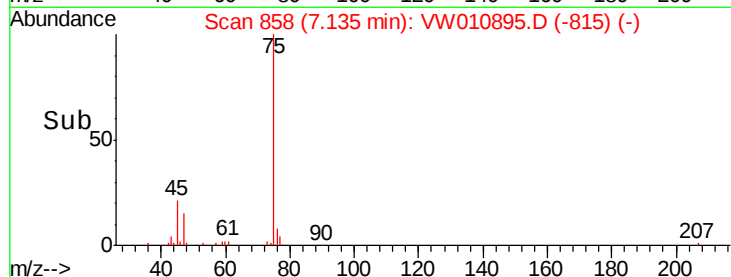
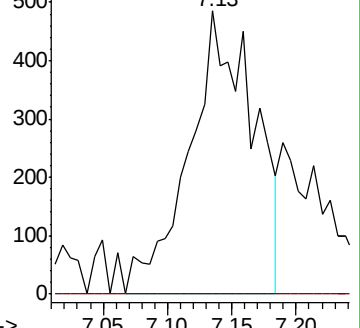
43 100

72 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

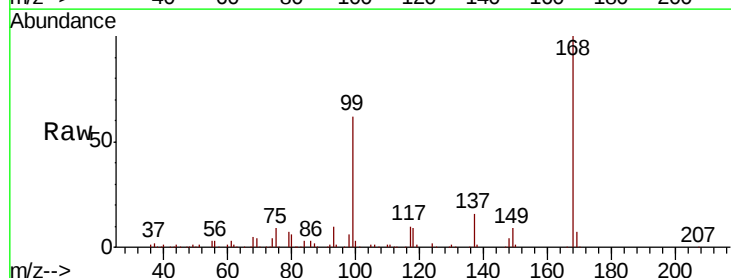
Tgt Ion: 56 Resp: 6404

Ion Ratio Lower Upper

56 100

69 152.5 25.2 37.8#

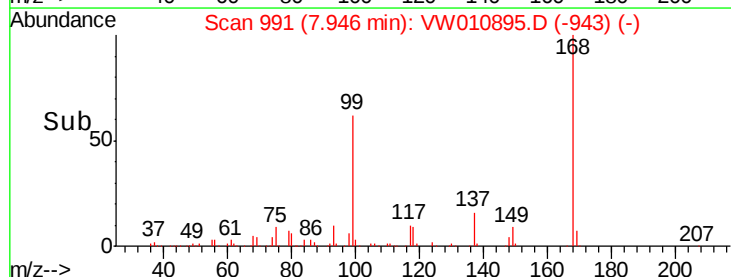
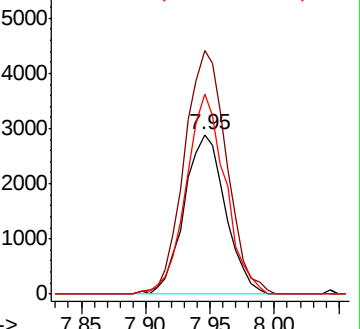
84 125.6 62.2 93.2#

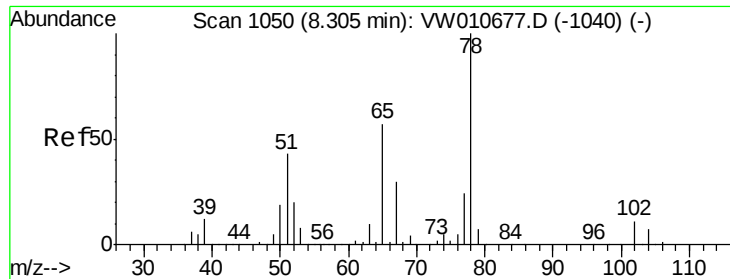


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

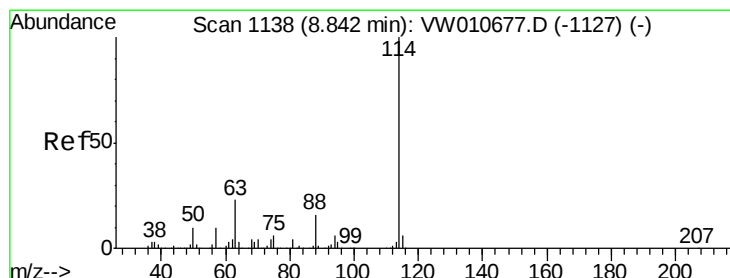
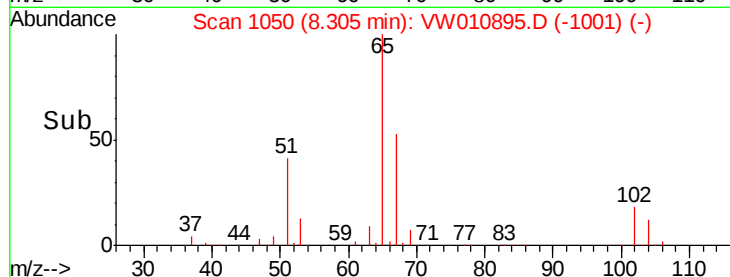
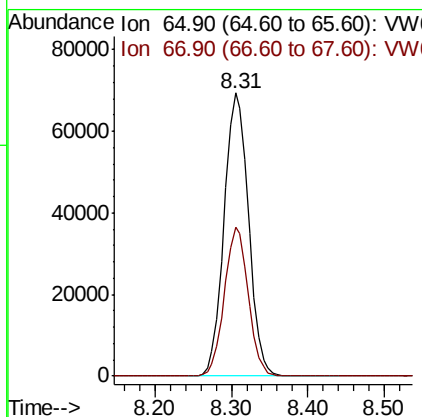
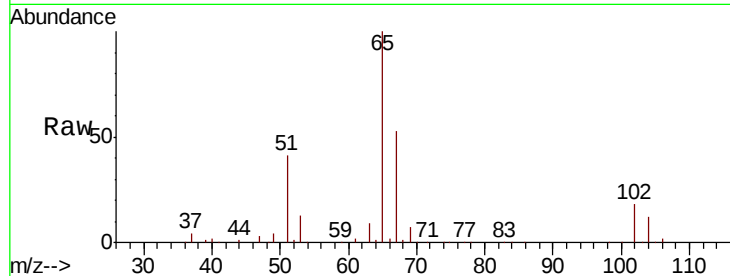




#33
 1,2-Dichloroethane-d4
 Concen: 55.082 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010895.D
 Acq: 20 Jun 2019 16:38

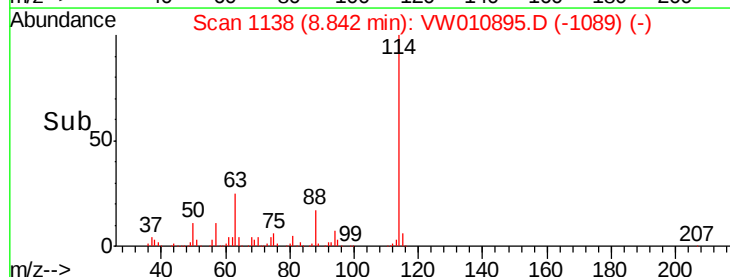
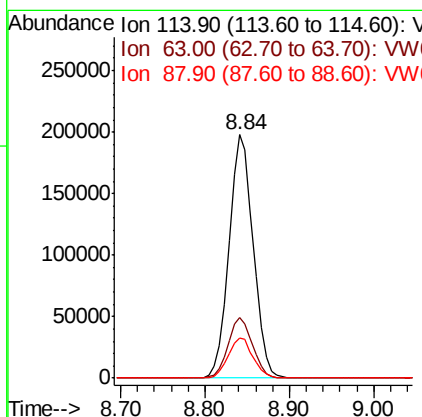
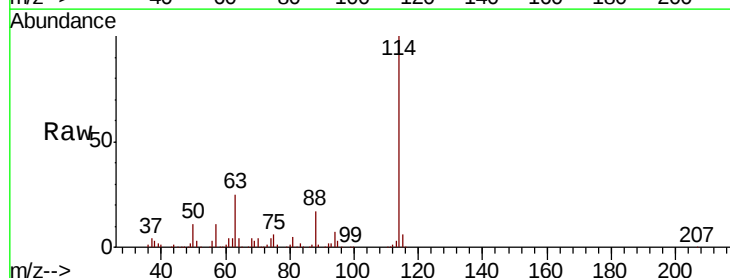
Instrument :
 MSVOA_W
 ClientSampleId :

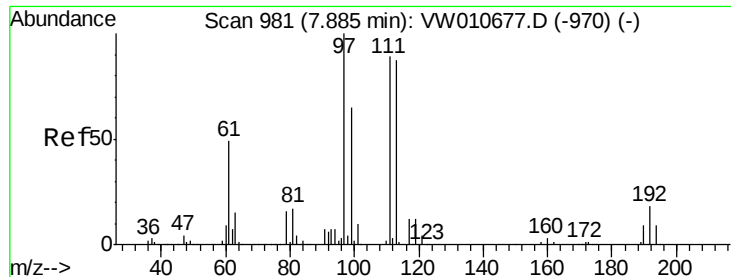
Tot Ion: 65 Resp: 153491
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010895.D
 Acq: 20 Jun 2019 16:38

Tgt Ion: 114 Resp: 383447
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 46.4
 88 16.5 0.0 32.2

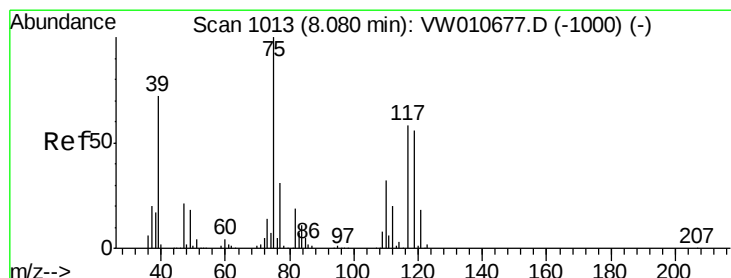
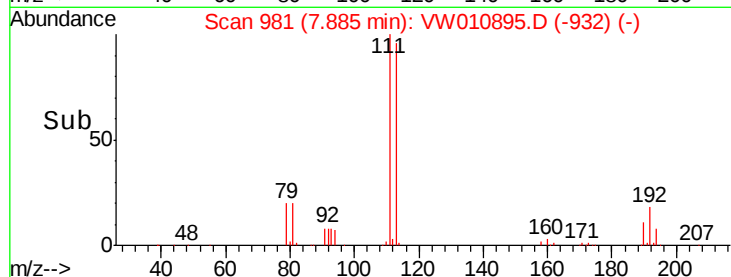
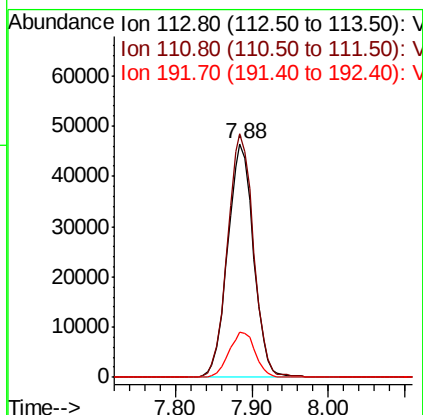
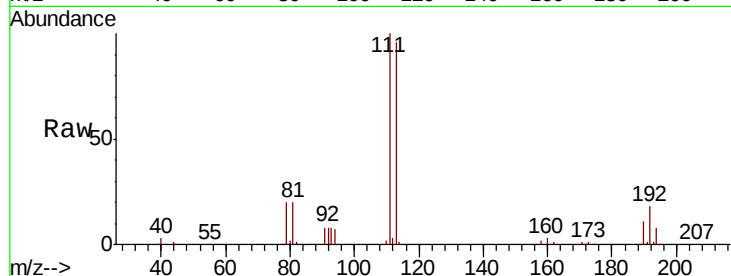




#35
 Dibromofluoromethane
 Concen: 52.128 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010895.D
 Acq: 20 Jun 2019 16:38

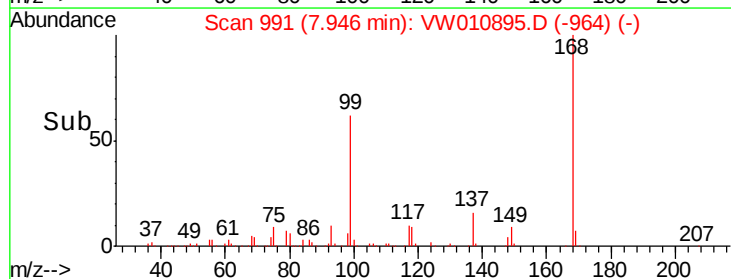
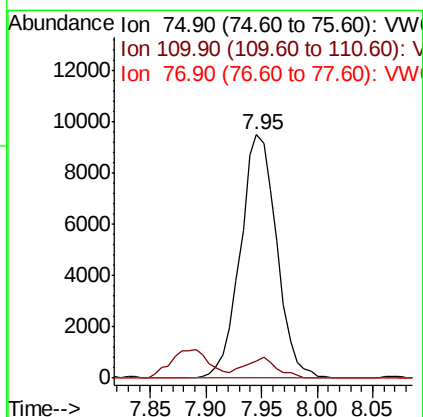
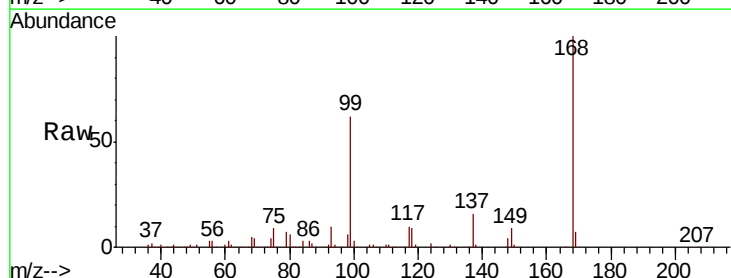
Instrument :
 MSVOA_W
 ClientSampleId :

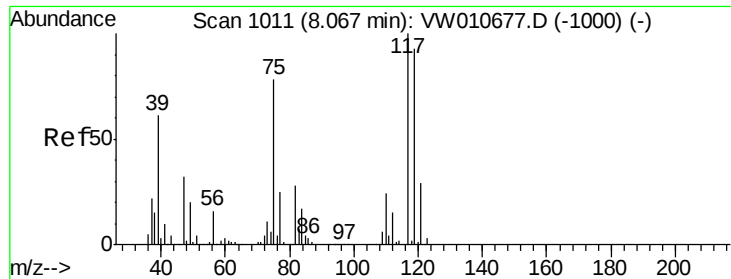
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.6	123.8
192	19.6	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 5.476 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010895.D
 Acq: 20 Jun 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	15.8	47.3#
77	0.0	24.7	37.1#

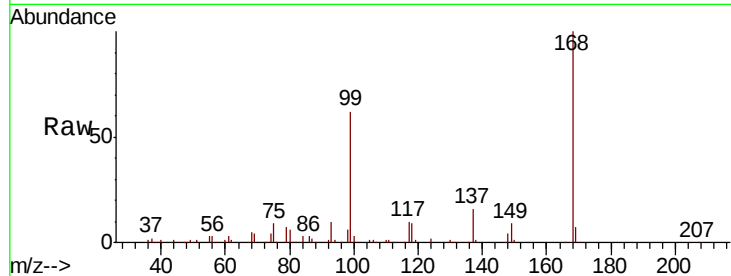




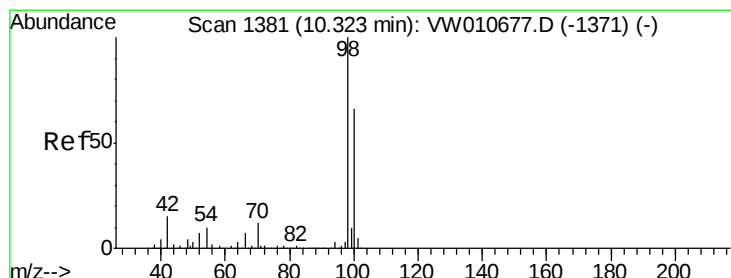
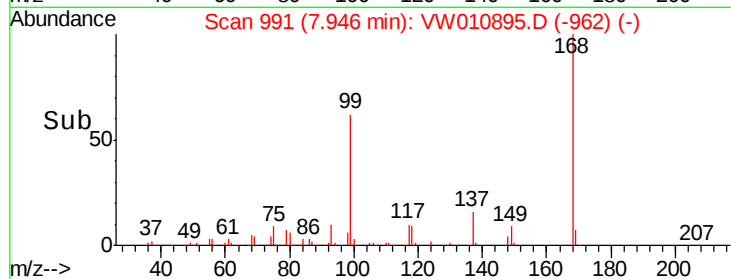
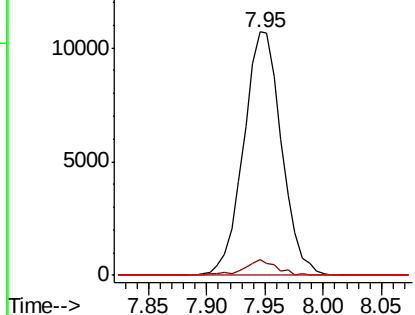
#38
Carbon Tetrachloride
Concen: 7.200 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010895.D
Acq: 20 Jun 2019 16:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 24394
Ion Ratio Lower Upper
117 100
119 6.3 74.2 111.4#
121 0.0 22.9 34.3#

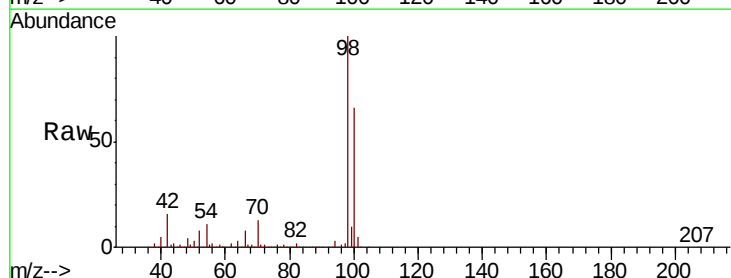


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

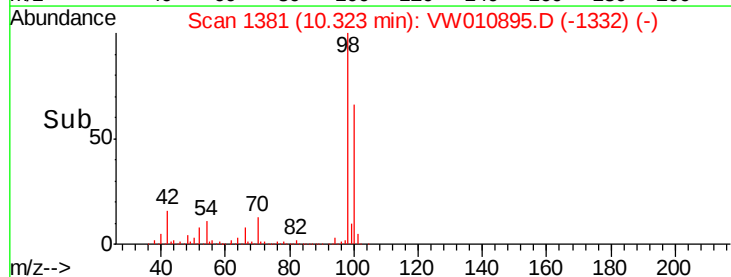
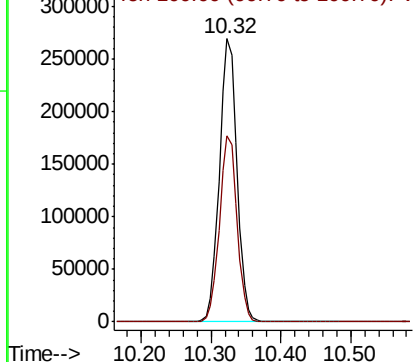


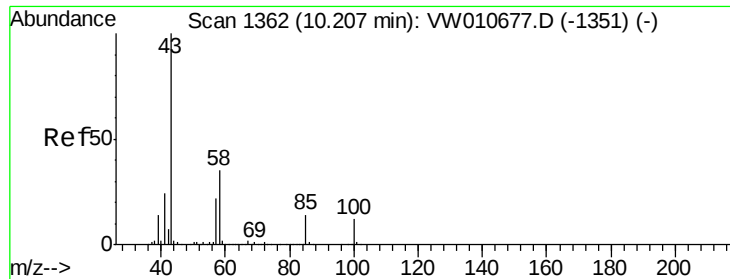
#50
Toluene-d8
Concen: 51.486 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010895.D
Acq: 20 Jun 2019 16:38

Tgt Ion: 98 Resp: 469894
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



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: 1.471 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

Instrument :

MSVOA_W

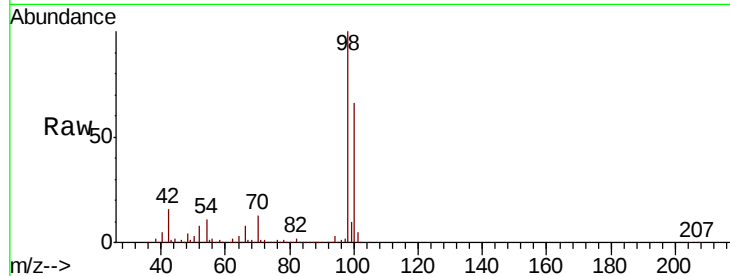
ClientSampleId :

Tot Ion: 43 Resp: 3157

Ion Ratio Lower Upper

43 100

58 150.1 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

3000

2500

2000

1500

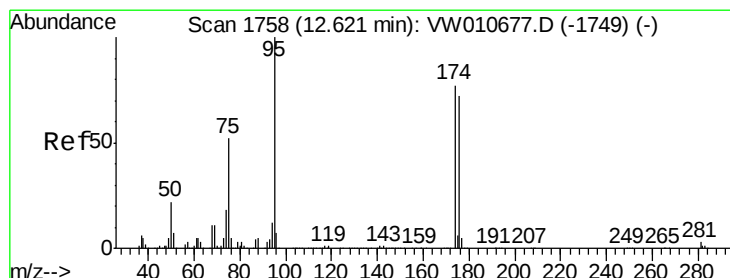
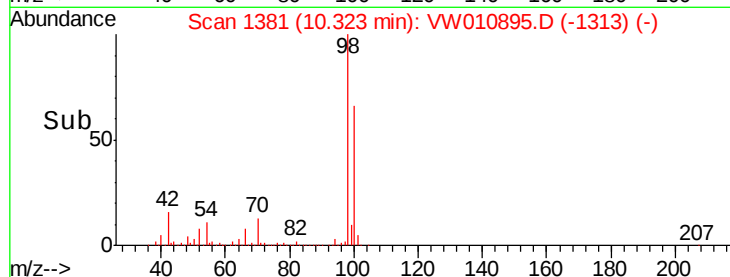
1000

500

0

10.30 10.32 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 38.277 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

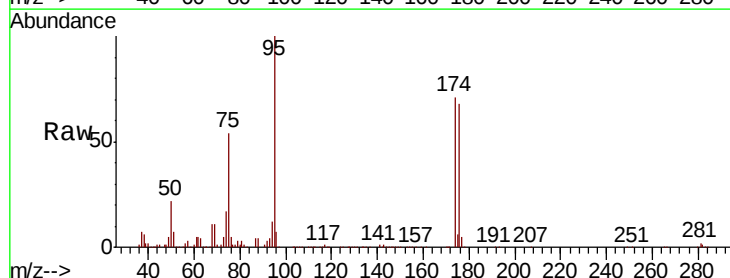
Tgt Ion: 95 Resp: 127120

Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

176 70.0 0.0 144.8



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

100000

80000

60000

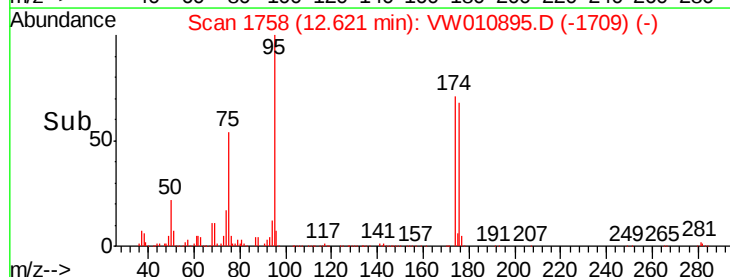
40000

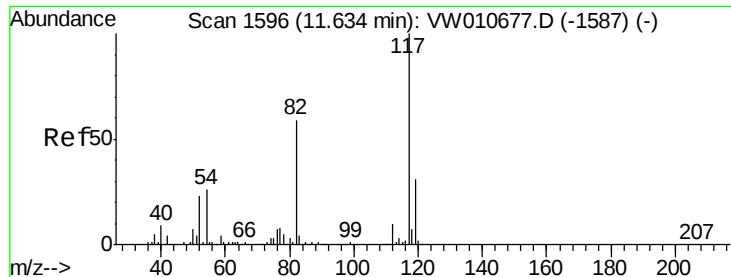
20000

0

12.55 12.60 12.62 12.65 12.70

Time-->

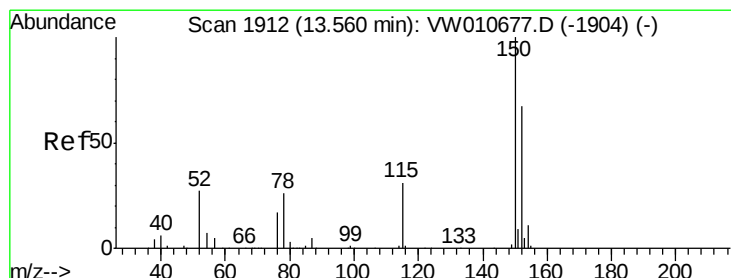
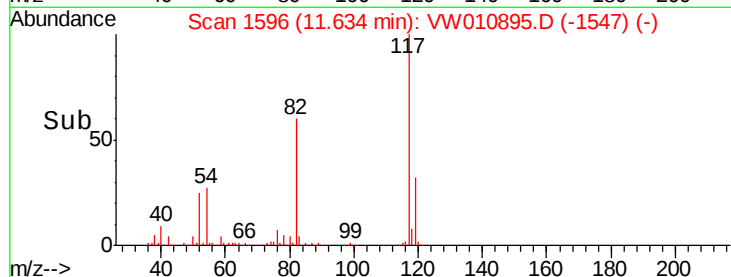
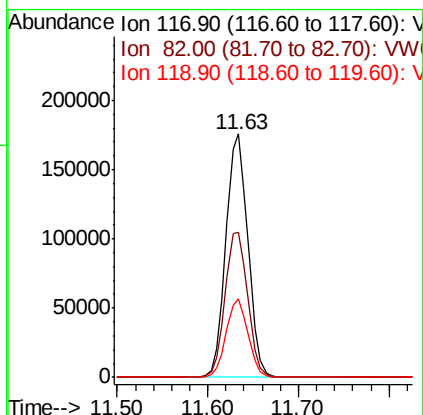
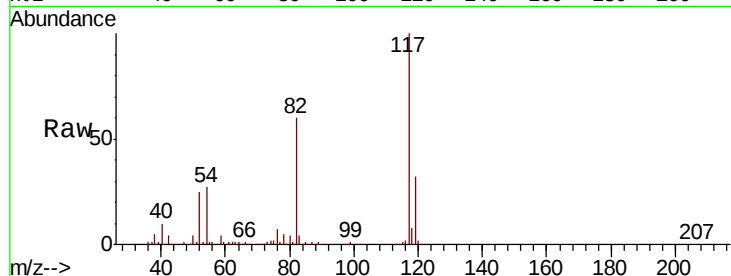




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010895.D
Acq: 20 Jun 2019 16:38

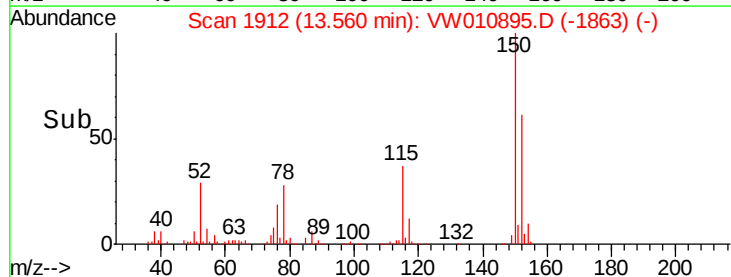
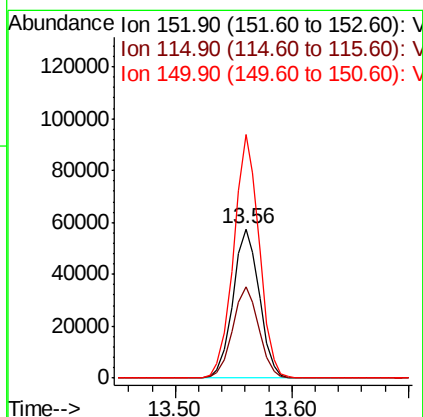
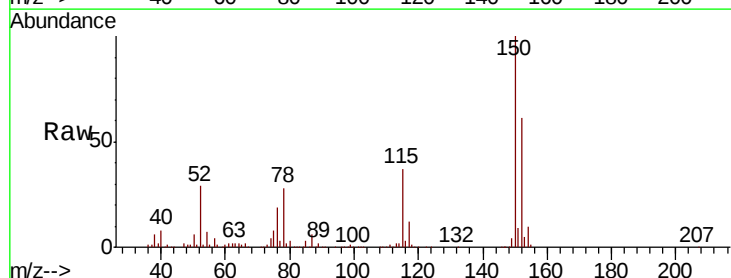
Instrument :
MSVOA_W
ClientSampleId :

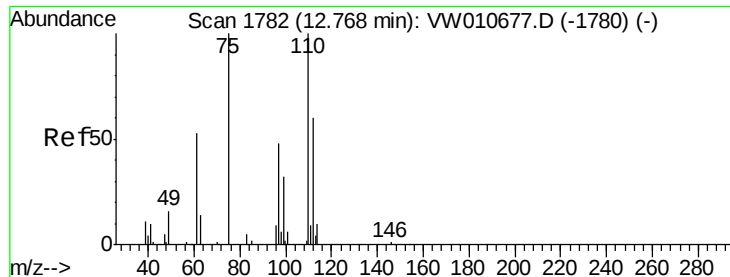
Tot Ion:117 Resp: 296461
Ion Ratio Lower Upper
117 100
82 59.8 47.0 70.4
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010895.D
Acq: 20 Jun 2019 16:38

Tgt Ion:152 Resp: 90551
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 157.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 73.750 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

Instrument :

MSVOA_W

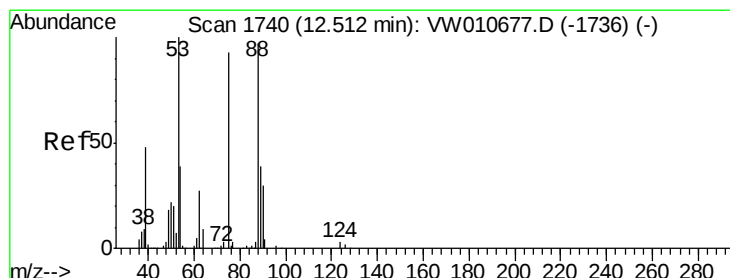
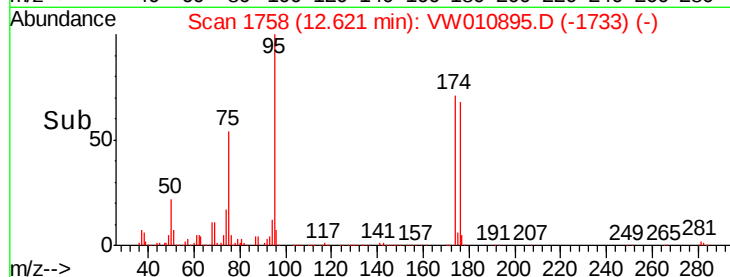
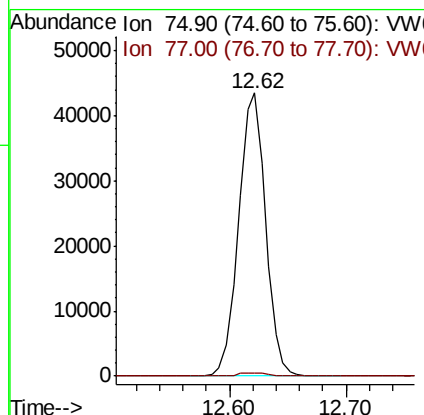
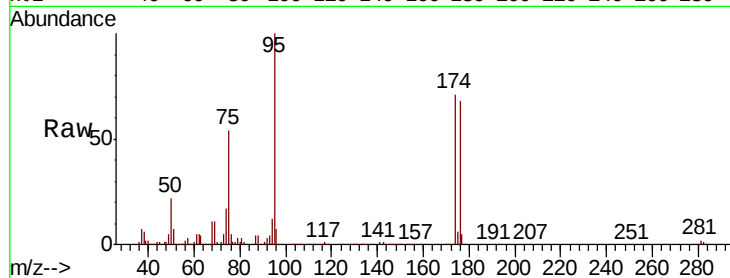
ClientSampleId :

Tot Ion: 75 Resp: 70130

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 169.503 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010895.D

Acq: 20 Jun 2019 16:38

Tgt Ion: 75 Resp: 70130

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

