

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011364.D
 Acq On : 19 Jul 2019 06:06
 Operator : SY/VA
 Sample : K3835-25
 Misc : 5.33G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:51:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	140334	58.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.08%	
35) Dibromofluoromethane	7.88	113	107913	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
50) Toluene-d8	10.32	98	437778	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	12.62	95	156839	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

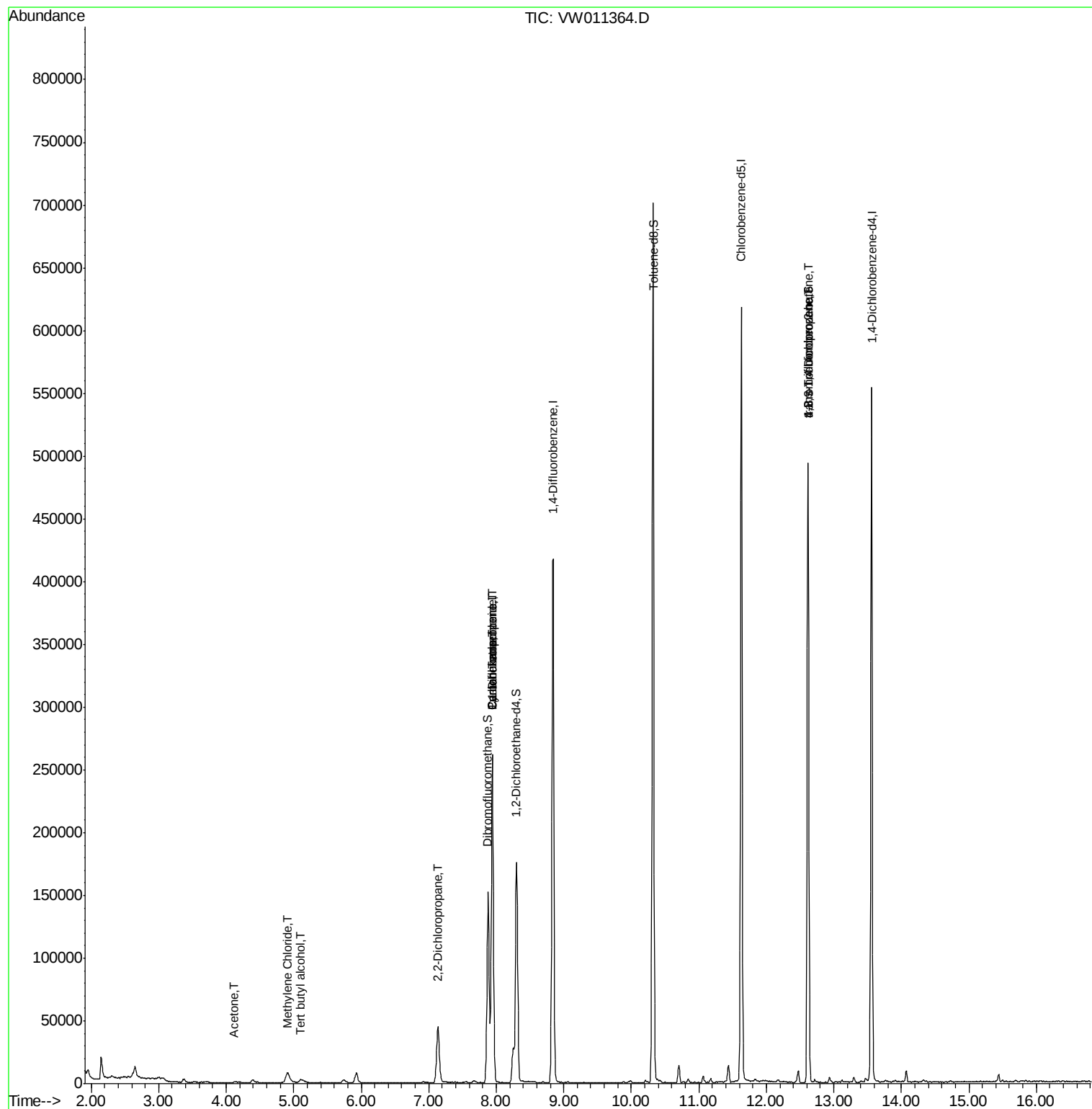
					Qvalue	
11) Tert butyl alcohol	5.11	59	4018	22.640	ug/l #	70
16) Acetone	4.12	43	1642	2.847	ug/l	93
18) Methyl Acetate	4.67	43	165	Below Cal	#	57
20) Methylene Chloride	4.91	84	5310	2.334	ug/l	97
26) 2,2-Dichloropropane	7.13	77	2888	1.273	ug/l #	53
31) Cyclohexane	7.94	56	5170	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17275	4.903	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19565	6.551	ug/l #	15
76) 1,2,3-Trichloropropane	12.61	75	83592	53.096	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	83592	120.094	ug/l #	6

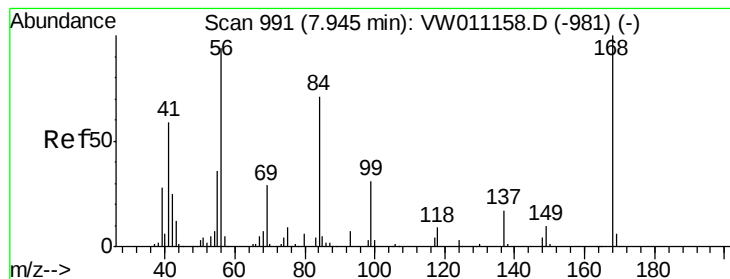
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 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: VW011364.D

Acq: 19 Jul 2019 06:06

Instrument :

MSVOA_W

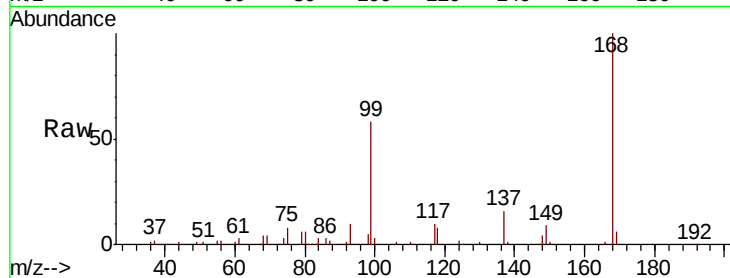
ClientSampleId :

Tot Ion:168 Resp: 190770

Ion Ratio Lower Upper

168 100

99 57.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

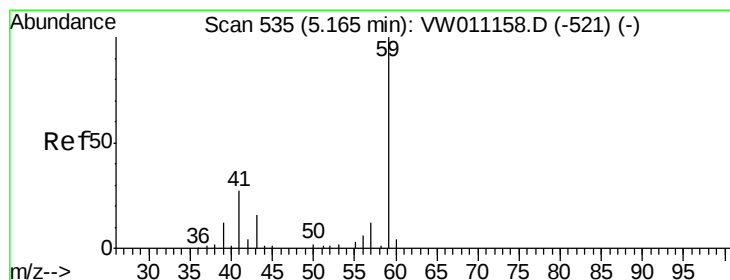
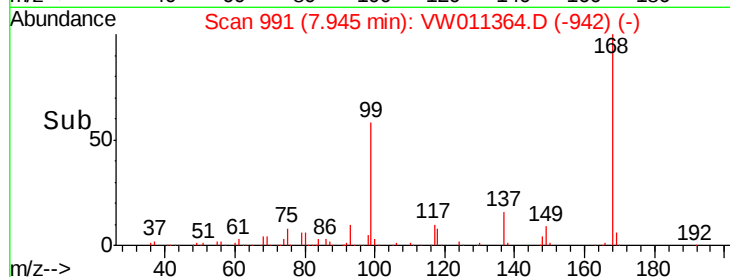
20000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 22.640 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011364.D

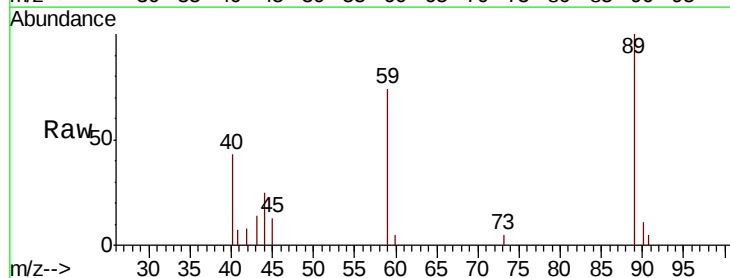
Acq: 19 Jul 2019 06:06

Tgt Ion: 59 Resp: 4018

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

800

600

400

200

0

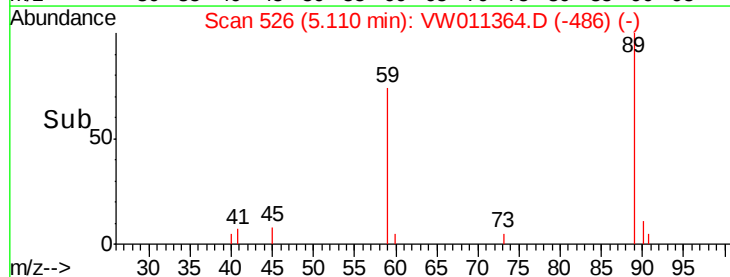
5.00

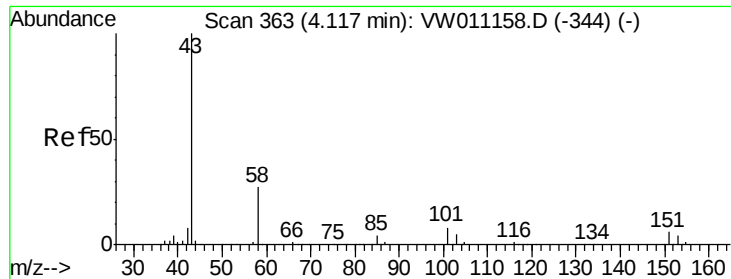
5.10

5.20

5.30

Time-->





#16

Acetone

Concen: 2.847 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011364.D

Acq: 19 Jul 2019 06:06

Instrument :

MSVOA_W

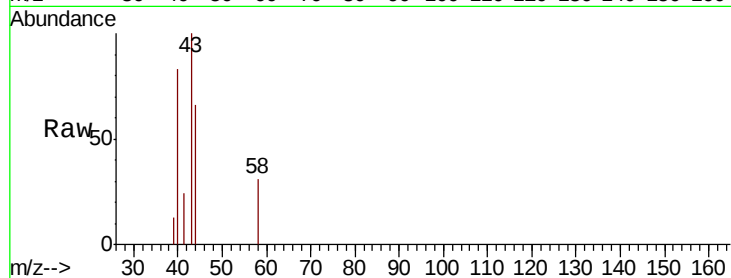
ClientSampleId :

Tot Ion: 43 Resp: 1642

Ion Ratio Lower Upper

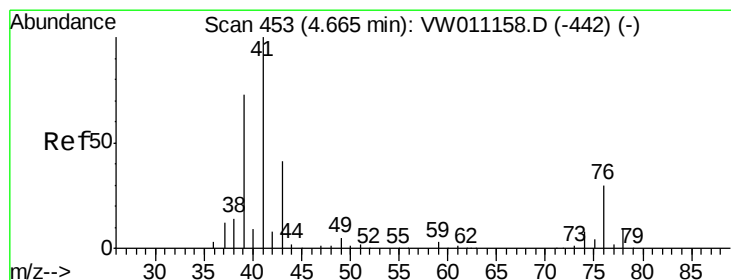
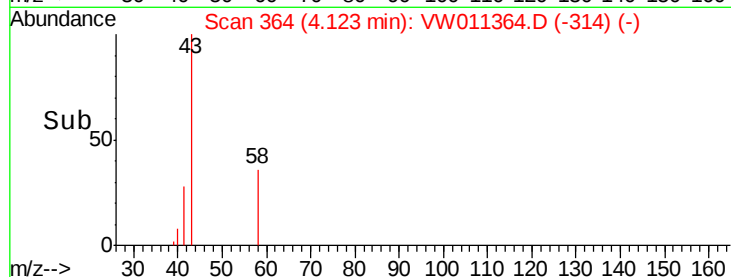
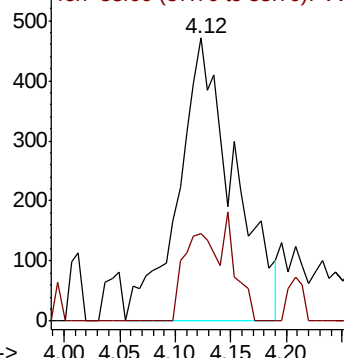
43 100

58 31.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011364.D

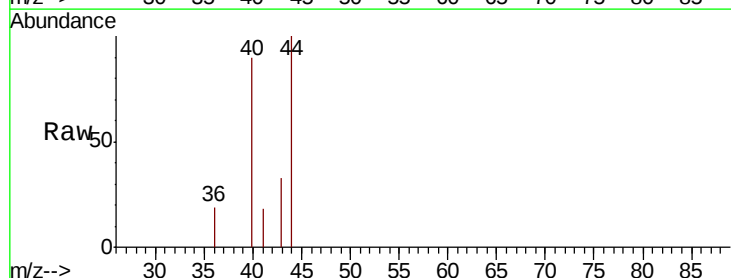
Acq: 19 Jul 2019 06:06

Tgt Ion: 43 Resp: 165

Ion Ratio Lower Upper

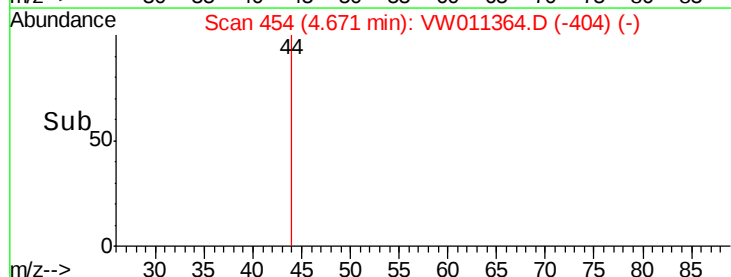
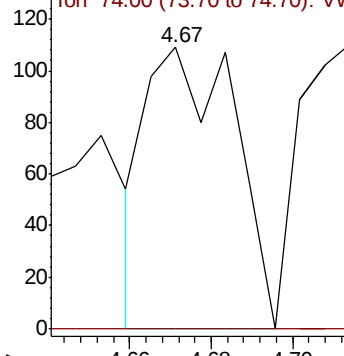
43 100

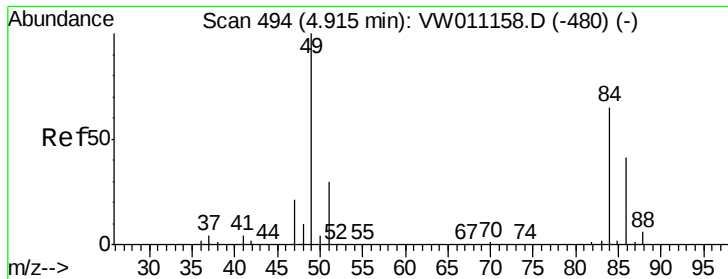
74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

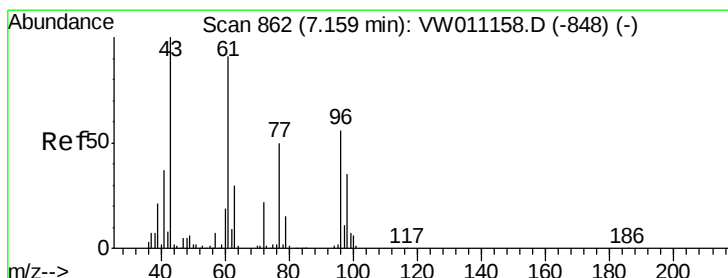
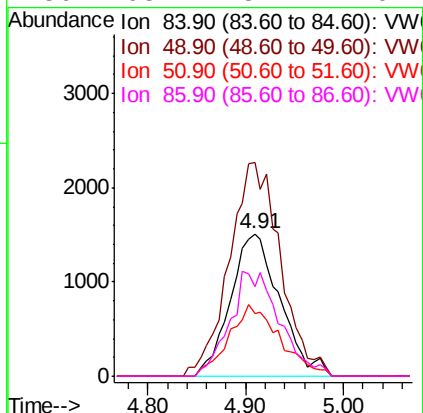
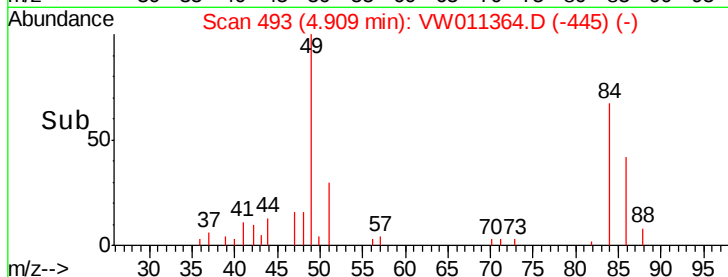
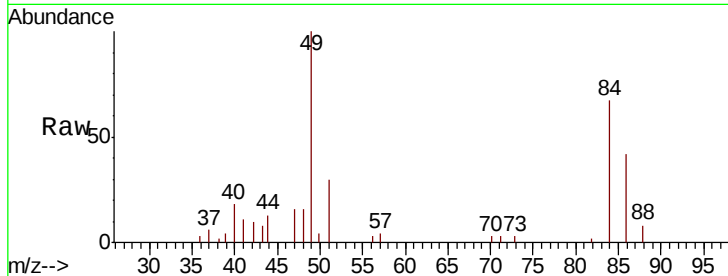




#20
Methvlene Chloride
Concen: 2.334 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011364.D
Acq: 19 Jul 2019 06:06

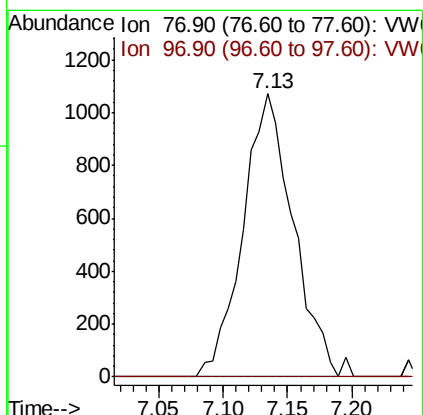
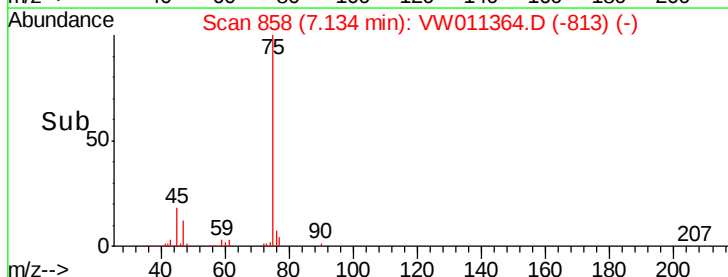
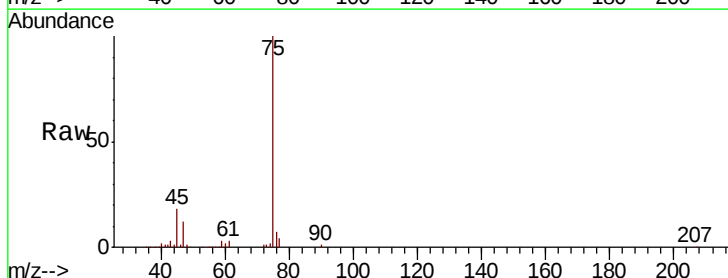
Instrument :
MSVOA_W
ClientSampled :

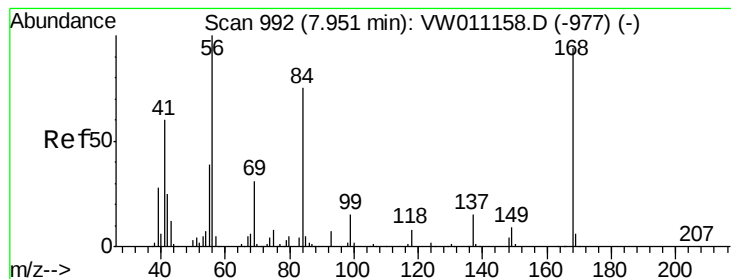
Tot Ion:	84	Resp:	5310
Ion	Ratio	Lower	Upper
84	100		
49	150.0	123.8	185.6
51	44.3	37.4	56.2
86	63.2	51.1	76.7



#26
2,2-Dichloropropane
Concen: 1.273 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.02 min
Lab File: VW011364.D
Acq: 19 Jul 2019 06:06

Tgt Ion:	77	Resp:	2888
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.2	33.5#





#31

Cyclohexane

Concen: 1.113 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011364.D

Acq: 19 Jul 2019 06:06

Instrument :

MSVOA_W

ClientSampled :

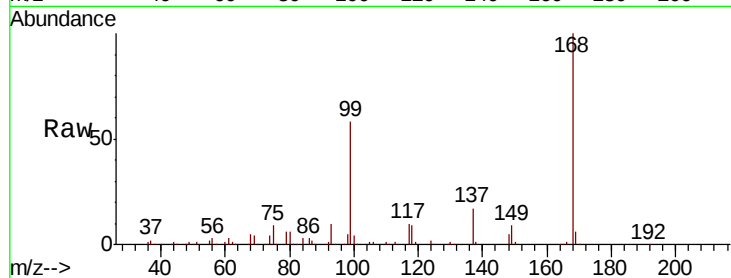
Tot Ion: 56 Resp: 5170

Ion Ratio Lower Upper

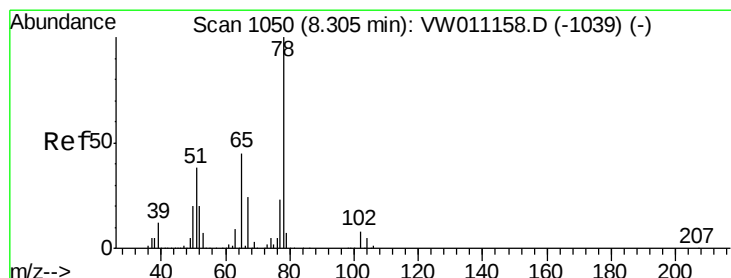
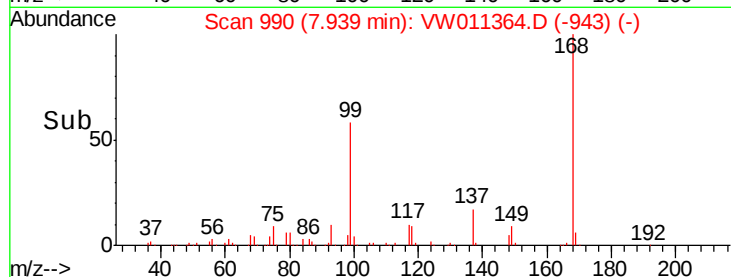
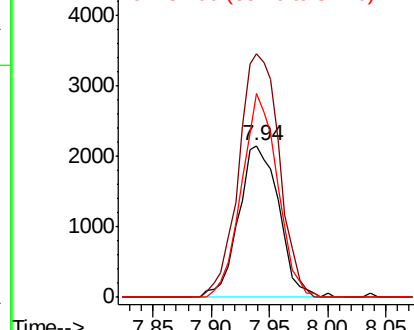
56 100

69 160.3 24.6 36.8#

84 134.6 60.1 90.1#



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: 58.543 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011364.D

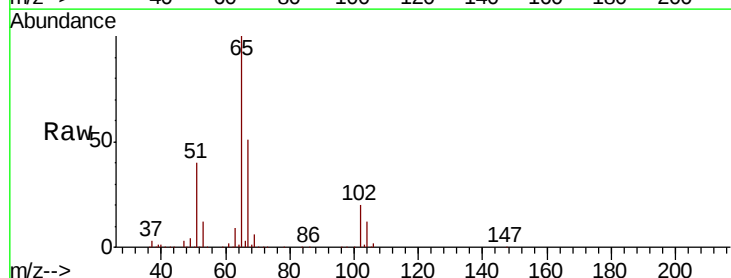
Acq: 19 Jul 2019 06:06

Tgt Ion: 65 Resp: 140334

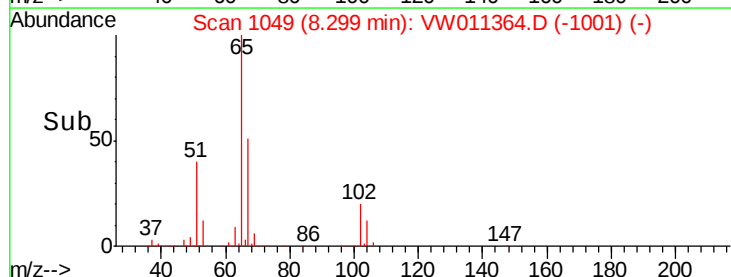
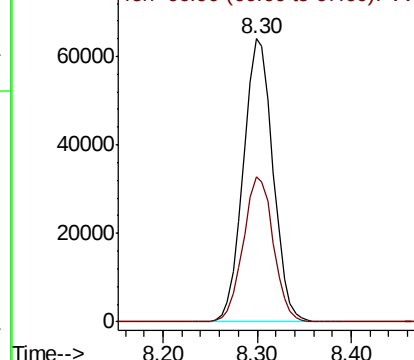
Ion Ratio Lower Upper

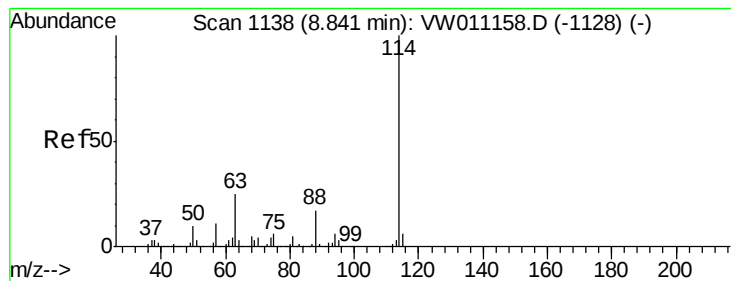
65 100

67 52.1 0.0 104.4



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: VW011364.D

Acq: 19 Jul 2019 06:06

Instrument :

MSVOA_W

ClientSampleId :

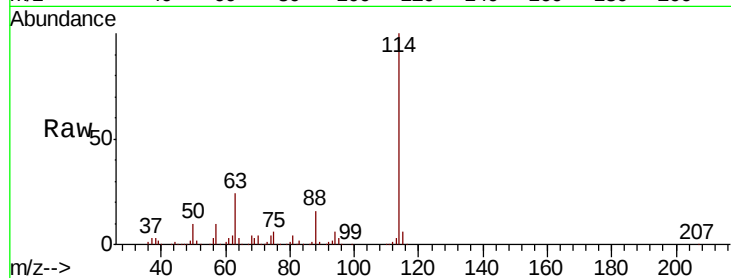
Tot Ion:114 Resp: 330850

Ion Ratio Lower Upper

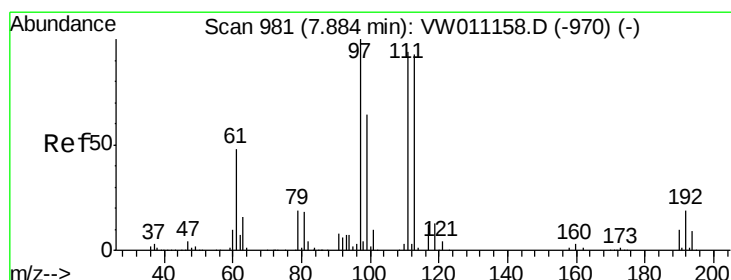
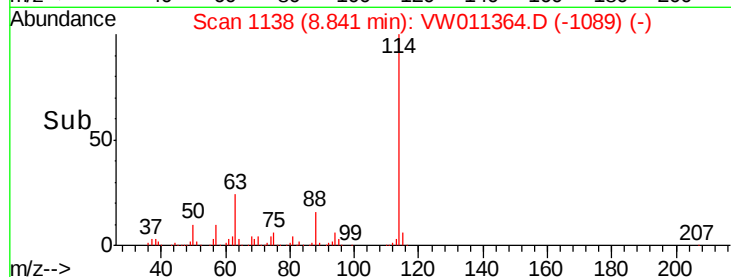
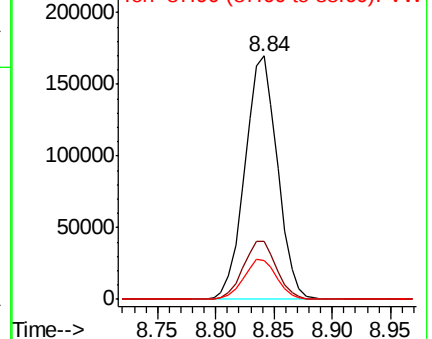
114 100

63 24.0 0.0 50.8

88 16.2 0.0 34.2



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: 54.722 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011364.D

Acq: 19 Jul 2019 06:06

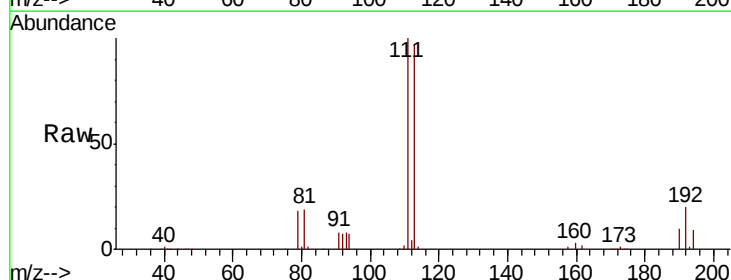
Tgt Ion:113 Resp: 107913

Ion Ratio Lower Upper

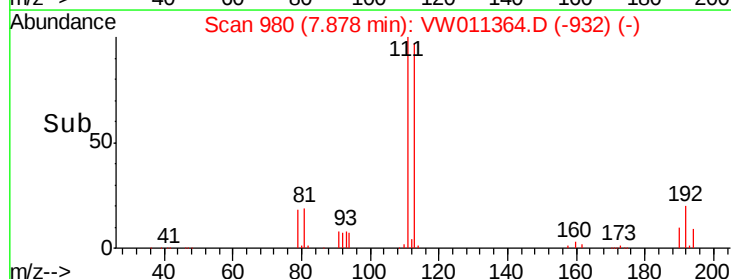
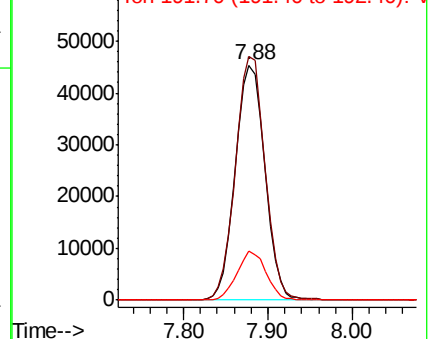
113 100

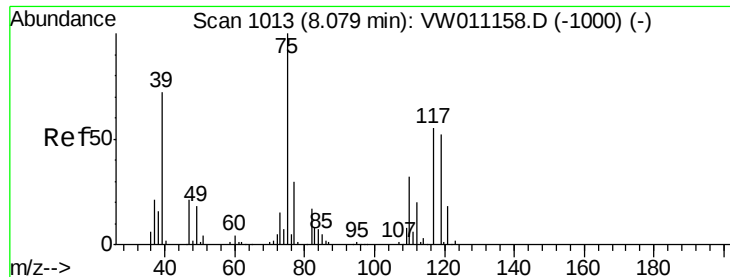
111 103.1 82.4 123.6

192 20.3 15.8 23.8



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

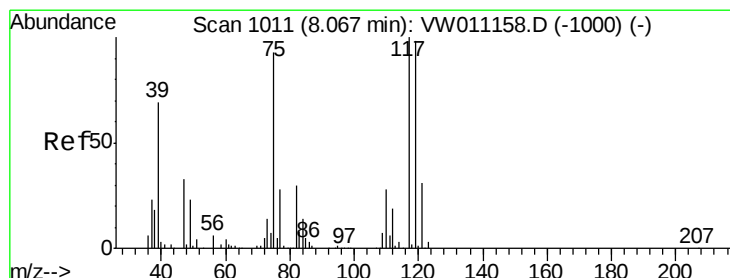
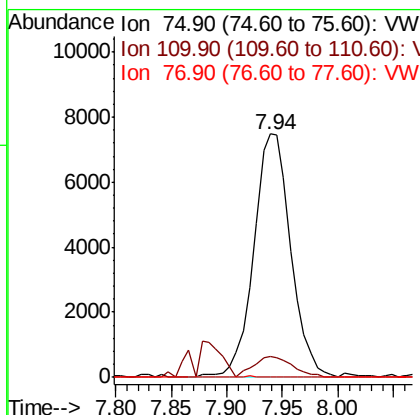
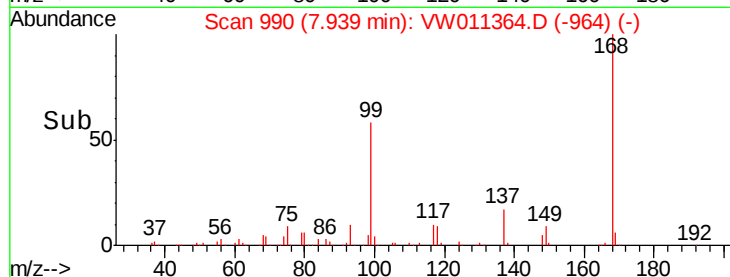
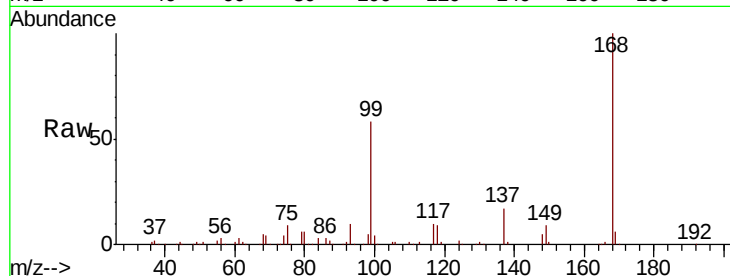




#36
 1,1-Dichloropropene
 Concen: 4.903 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011364.D
 Acq: 19 Jul 2019 06:06

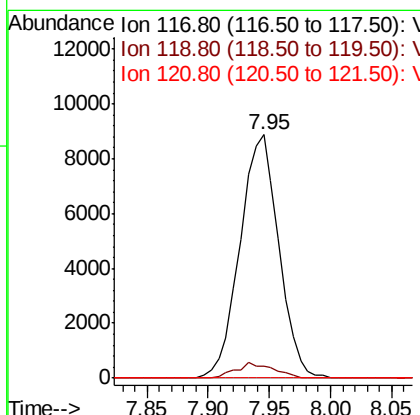
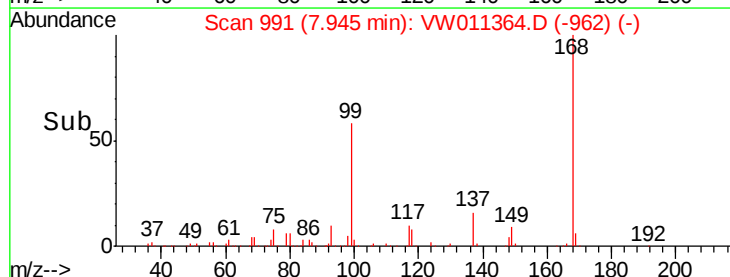
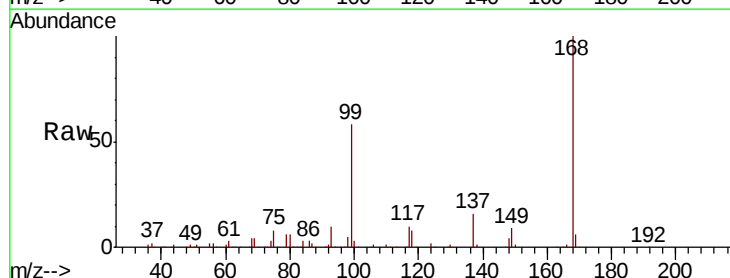
Instrument :
 MSVOA_W
 ClientSampleId :

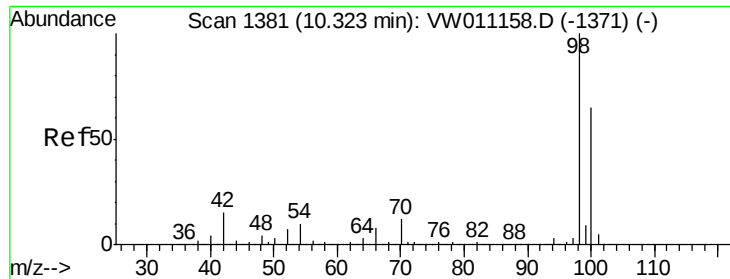
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.9	47.6#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.551 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011364.D
 Acq: 19 Jul 2019 06:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 54.920 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011364.D

Acq: 19 Jul 2019 06:06

Instrument :

MSVOA_W

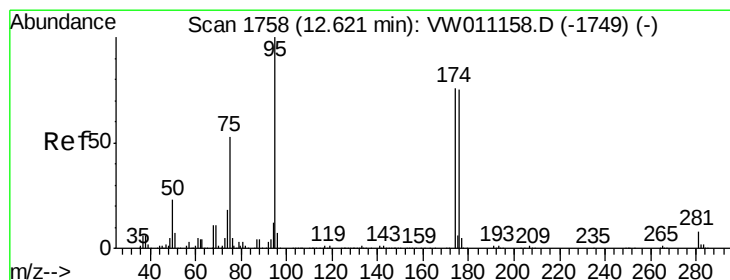
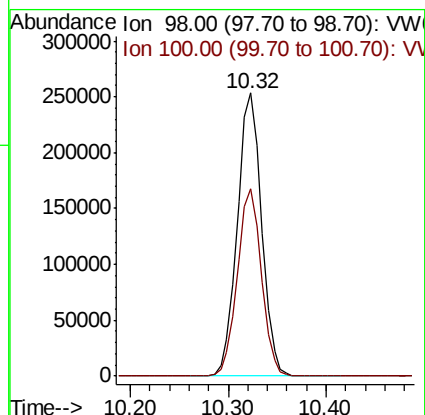
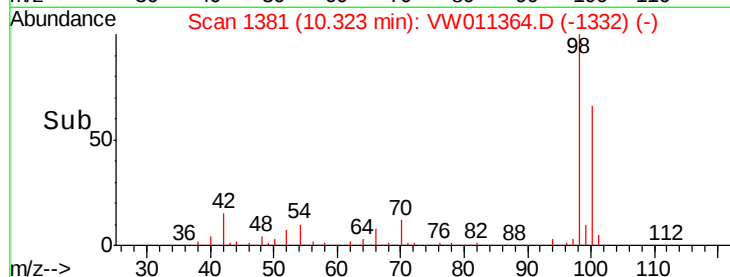
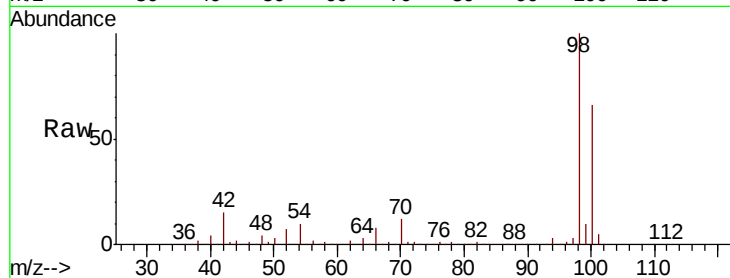
ClientSampleId :

Tot Ion: 98 Resp: 437778

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.680 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW011364.D

Acq: 19 Jul 2019 06:06

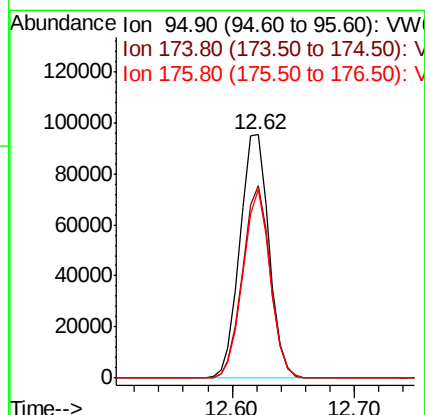
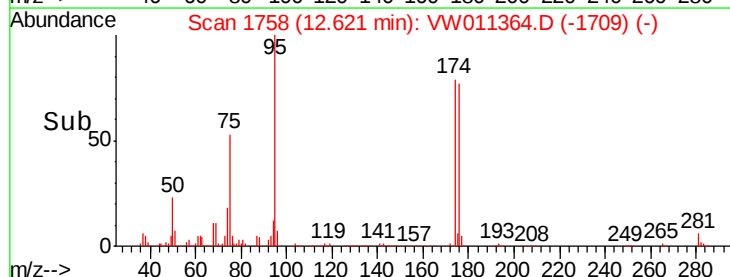
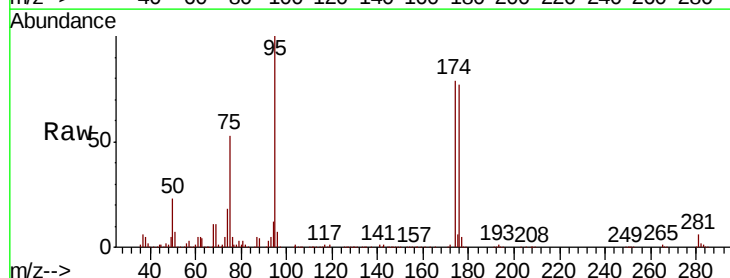
Tgt Ion: 95 Resp: 156839

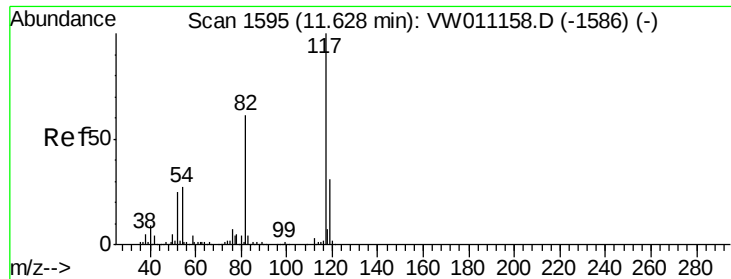
Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.6

176 73.0 0.0 144.6

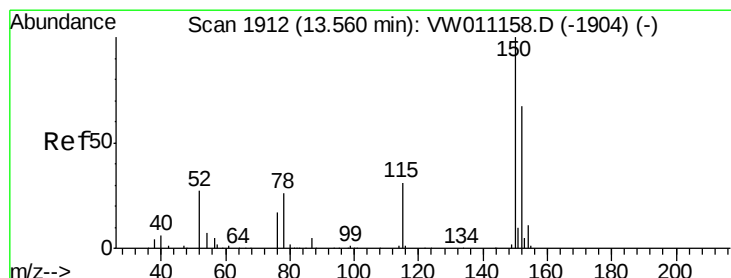
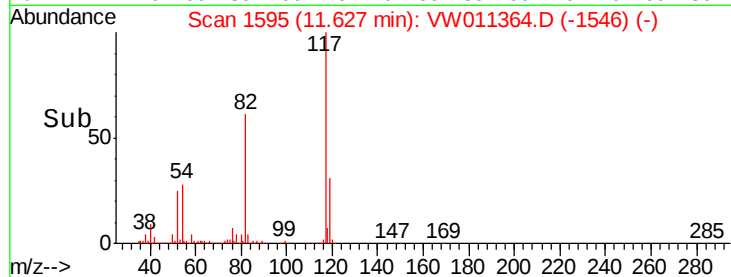
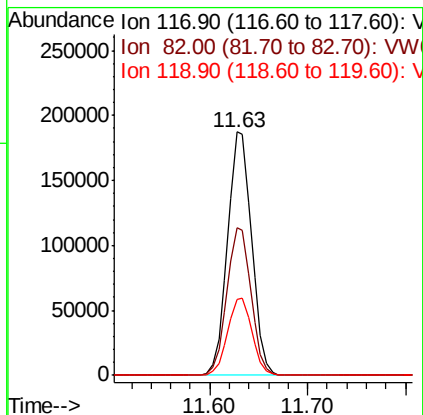
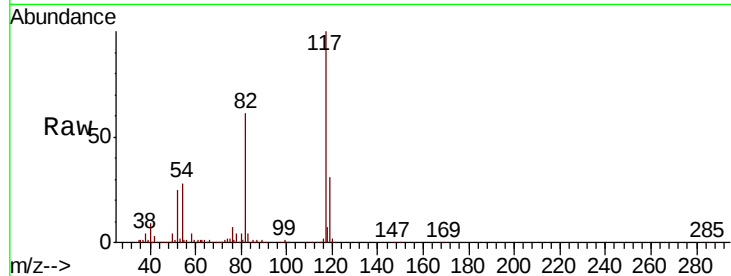




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW011364.D
Acq: 19 Jul 2019 06:06

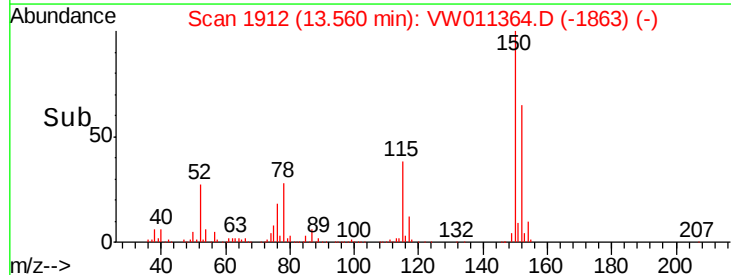
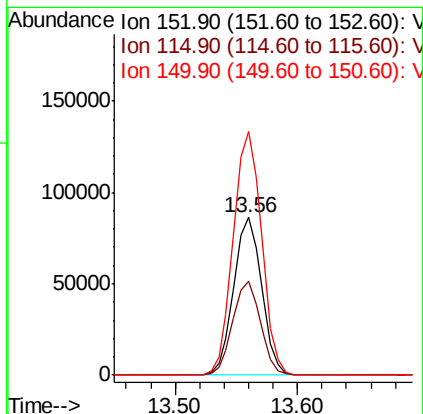
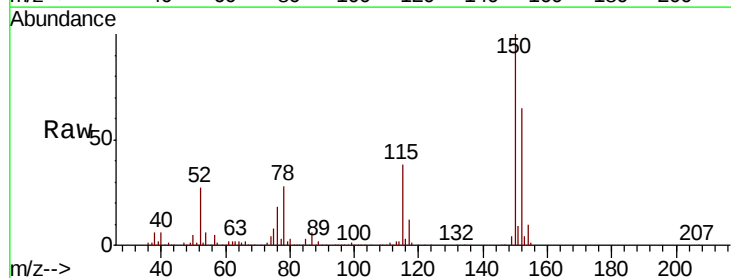
Instrument :
MSVOA_W
ClientSampleId :

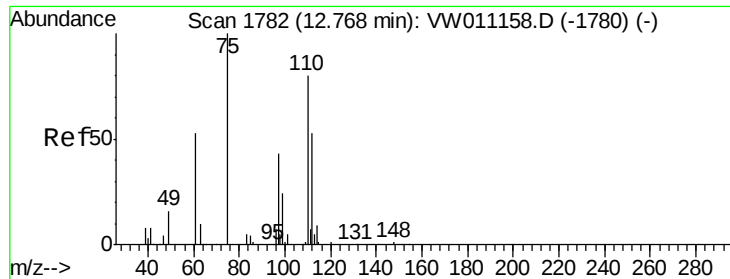
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.9	73.3
119	31.3	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011364.D
Acq: 19 Jul 2019 06:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.1	90.3
150	156.3	0.0	346.0



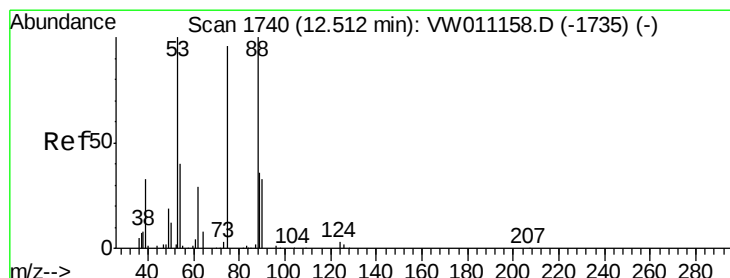
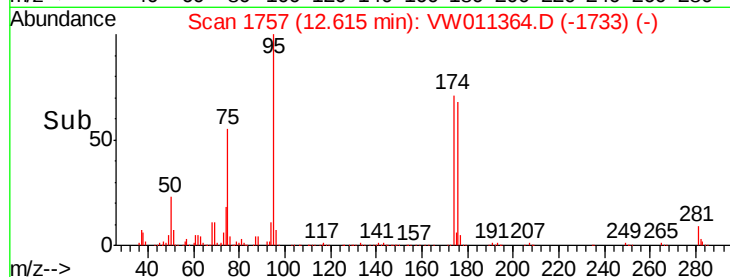
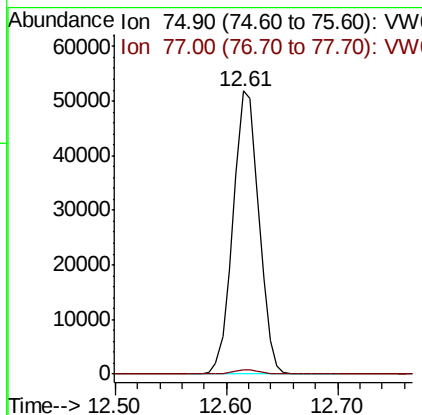
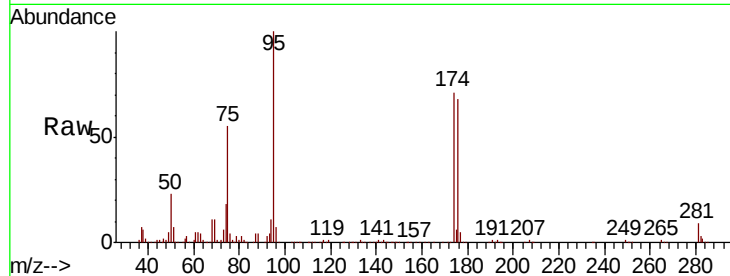


#76

1,2,3-Trichloropropane
Concen: 53.096 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011364.D
Acq: 19 Jul 2019 06:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 83592
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 120.094 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011364.D
Acq: 19 Jul 2019 06:06

Tgt Ion: 75 Resp: 83592
Ion Ratio Lower Upper
75 100
53 0.1 89.8 134.6#
89 0.0 34.3 51.5#

