

Data File : VW010595.D
Acq On : 29 May 2019 17:09
Operator : SY/VA
Sample : K3090-02
Misc : 4.96G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-S2

Quant Time: May 30 08:35:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	119751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	67906	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	7.88	113	63011	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	10.32	98	265816	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.62	95	100805	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.13	59	968	8.707	ug/l #	71
16) Acetone	4.14	43	1823	7.225	ug/l	90
20) Methylene Chloride	4.92	84	5801	Below Cal		97
25) 2-Butanone	7.13	43	1429	3.958	ug/l #	68
26) 2,2-Dichloropropane	7.15	77	2191	1.027	ug/l #	52
29) Tetrahydrofuran	7.54	42	507	2.075	ug/l #	73
36) 1,1-Dichloropropene	7.95	75	9226	4.547	ug/l #	47
37) Ethyl Acetate	7.13	43	1429	1.656	ug/l #	1
38) Carbon Tetrachloride	7.95	117	12429	5.679	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1058	1.211	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	46916	52.750	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	46916	110.091	ug/l #	14

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

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```
ALS Vial      : 16      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
TP-4-S2

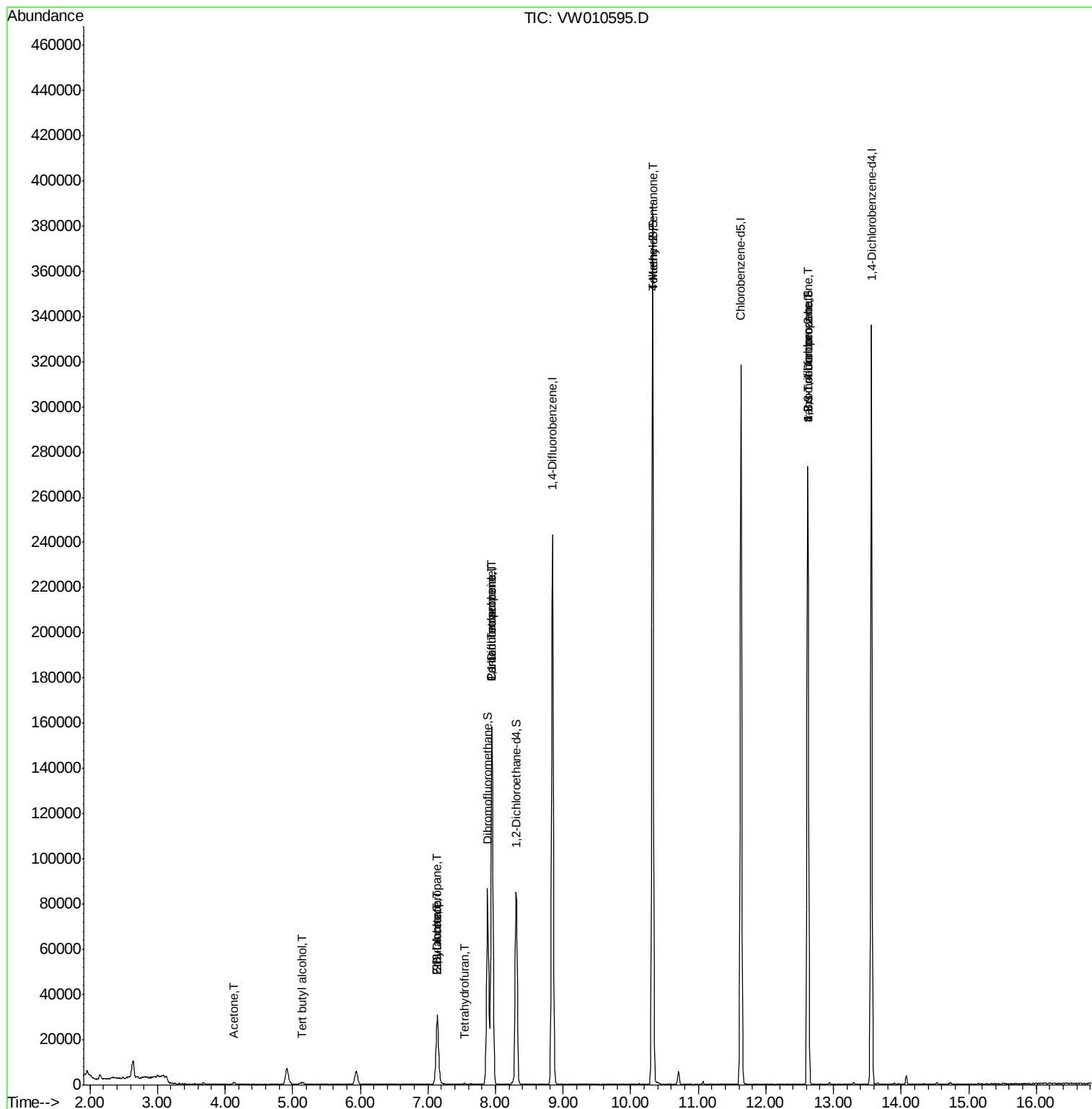
Quant Time: May 30 08:35:26 2019

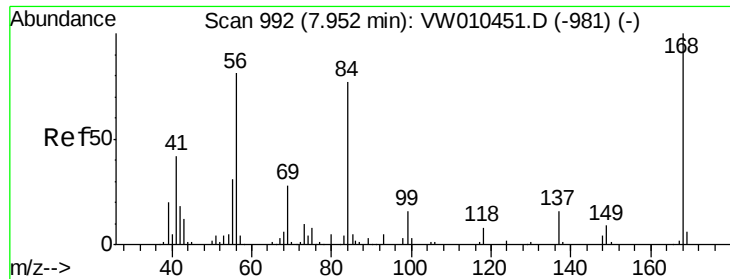
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W052019S.M

Quant Title : SW846 8260

QLast Update : Tue May 21 06:38:43 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

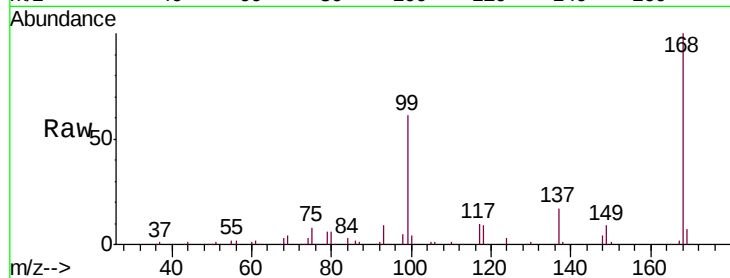
TP-4-S2

Tgt Ion:168 Resp: 119751

Ion Ratio Lower Upper

168 100

99 60.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

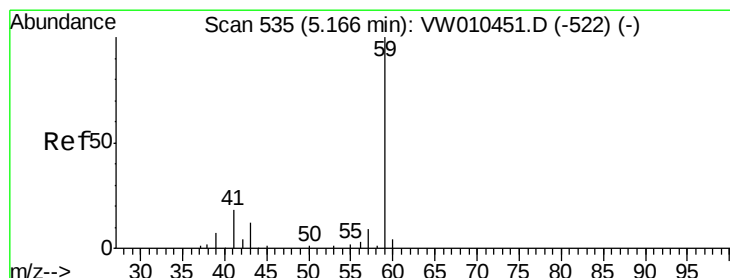
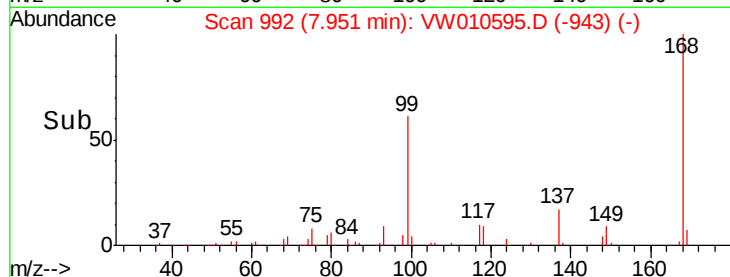
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 8.707 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW010595.D

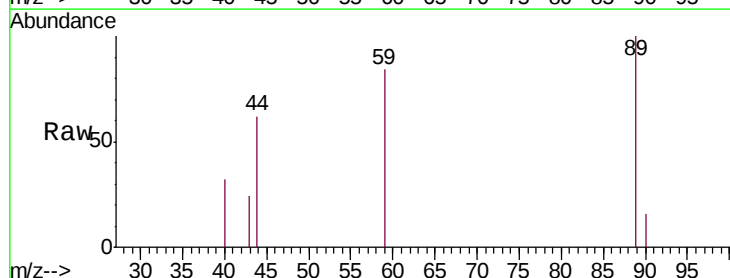
Acq: 29 May 2019 17:09

Tgt Ion: 59 Resp: 968

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

5.13

300

250

200

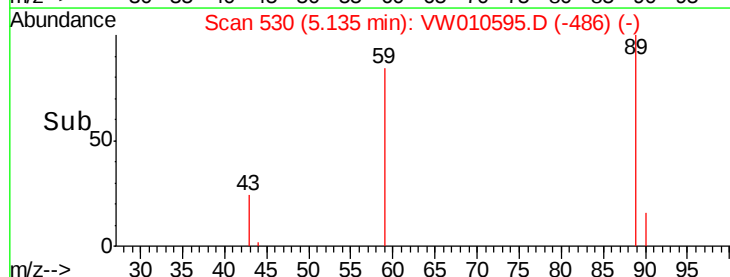
150

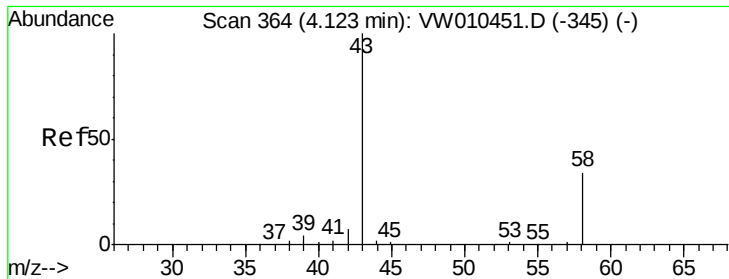
100

50

0

Time--> 5.05 5.10 5.15

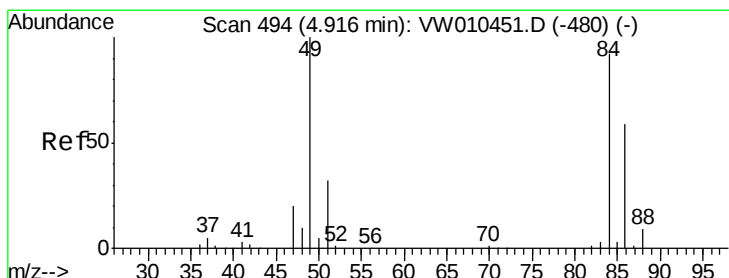
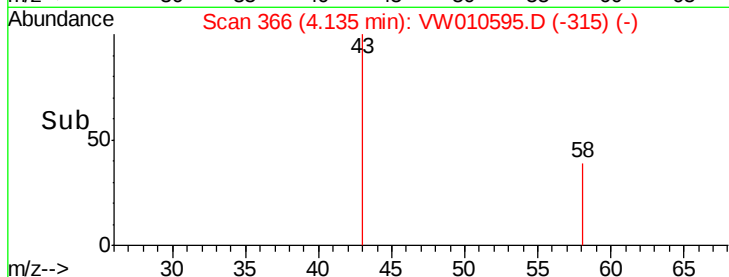
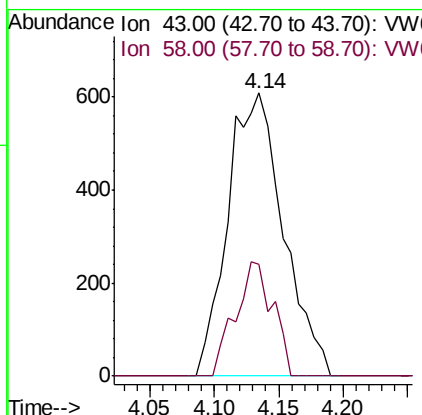
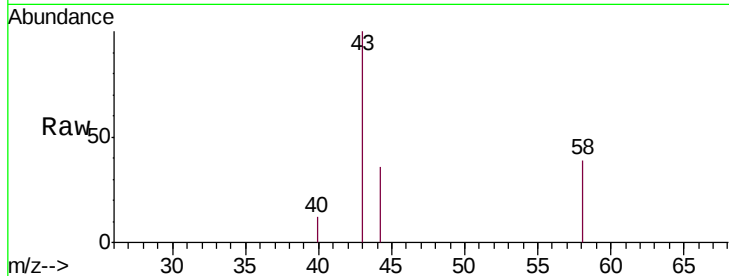




#16
Acetone
Concen: 7.225 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010595.D
Acq: 29 May 2019 17:09

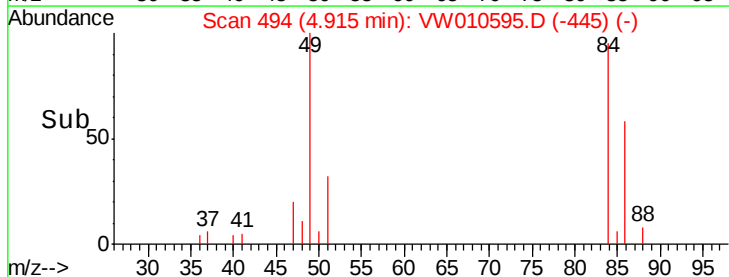
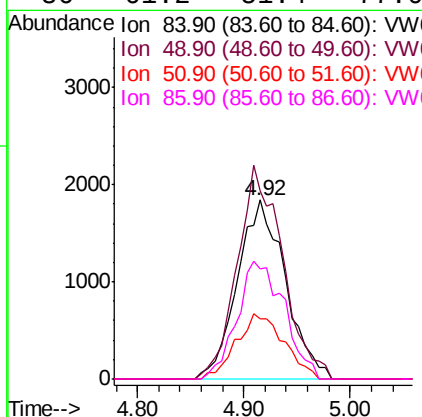
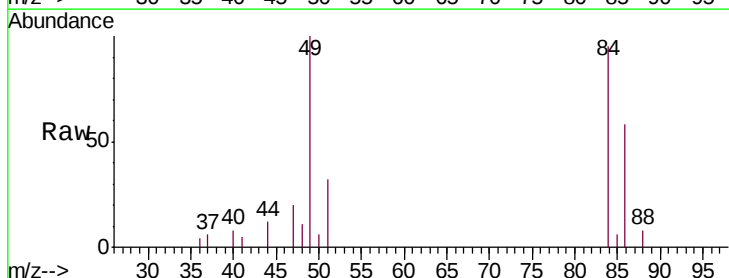
Instrument :
MSVOA_W
ClientSampleId :
TP-4-S2

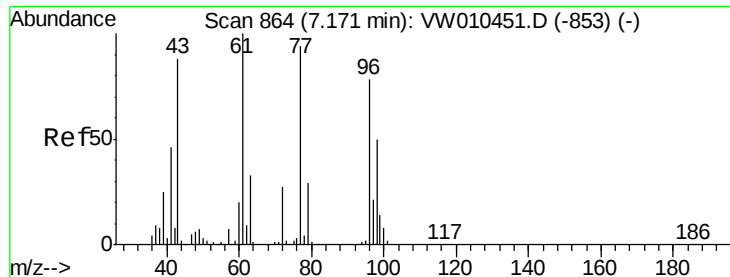
Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
58 39.5 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010595.D
Acq: 29 May 2019 17:09

Tgt Ion: 84 Resp: 5801
Ion Ratio Lower Upper
84 100
49 105.3 87.2 130.8
51 34.0 27.7 41.5
86 61.2 51.4 77.0





#25

2-Butanone

Concen: 3.958 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

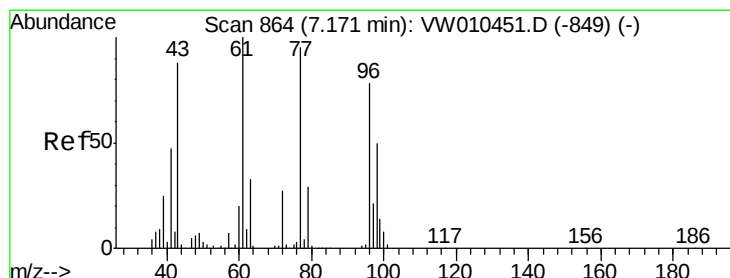
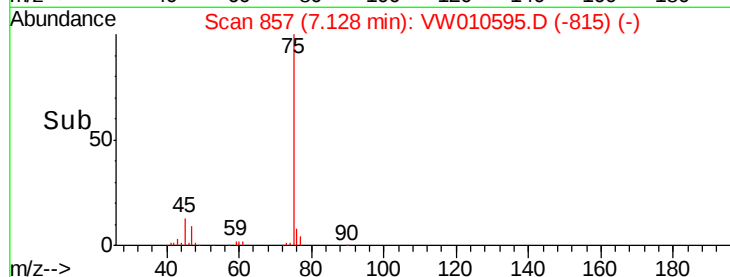
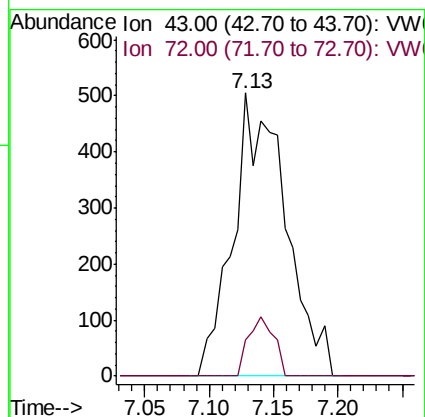
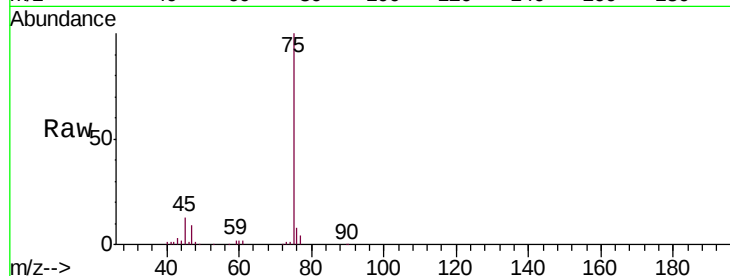
TP-4-S2

Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

43 100

72 12.7 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 1.027 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010595.D

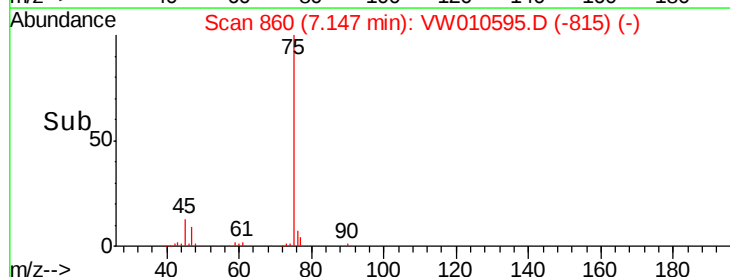
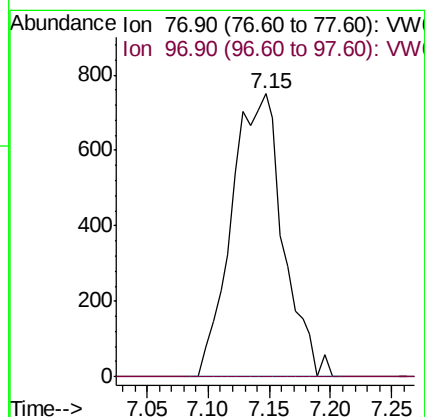
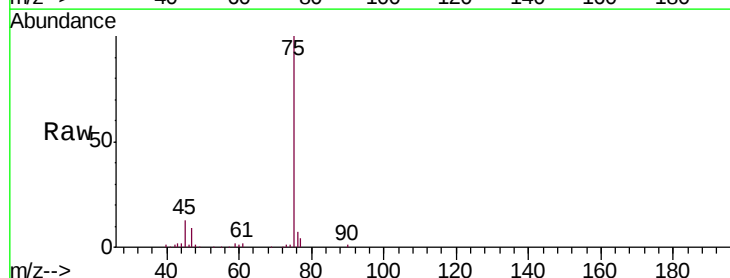
Acq: 29 May 2019 17:09

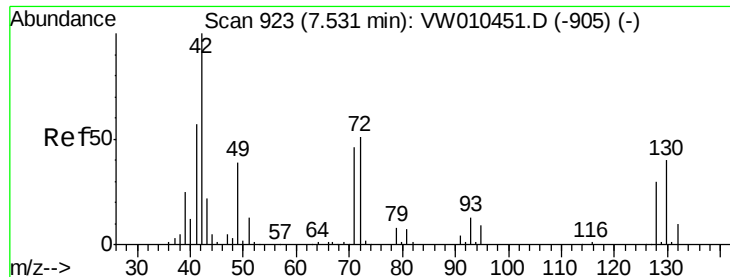
Tgt Ion: 77 Resp: 2191

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

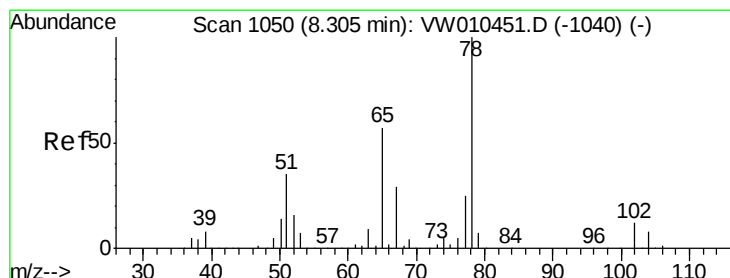
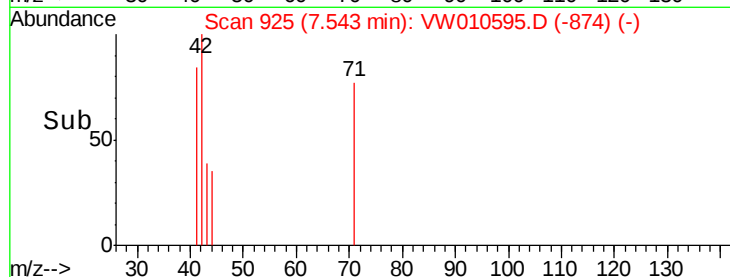
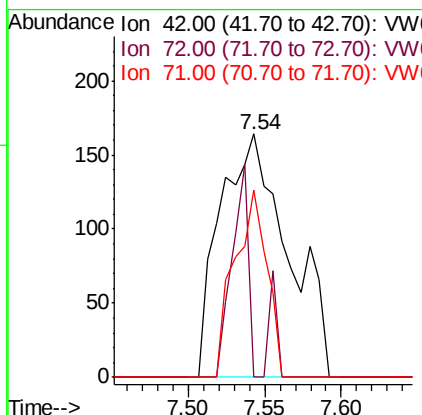
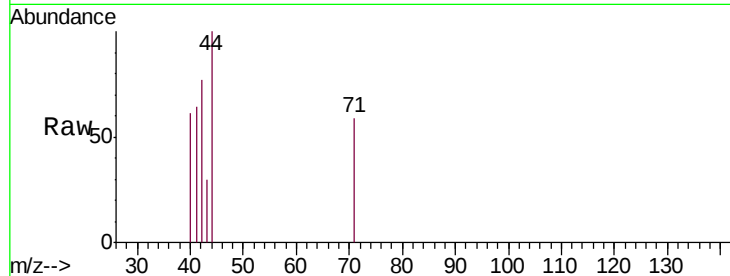




#29
Tetrahydrofuran
Concen: 2.075 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010595.D
Acq: 29 May 2019 17:09

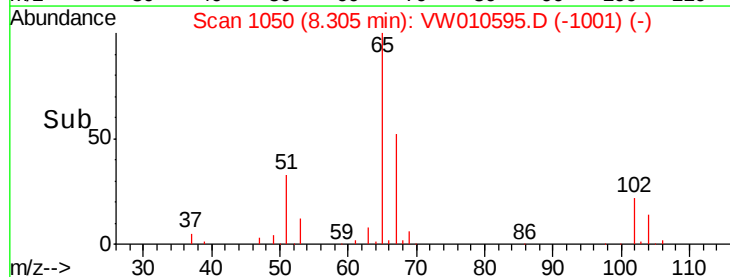
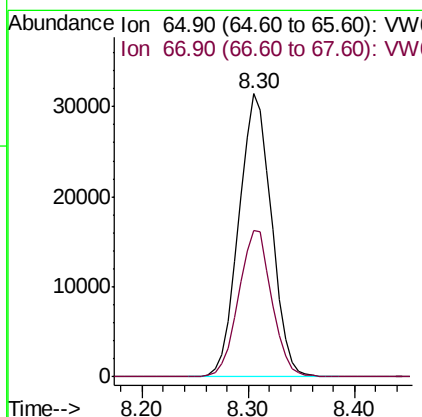
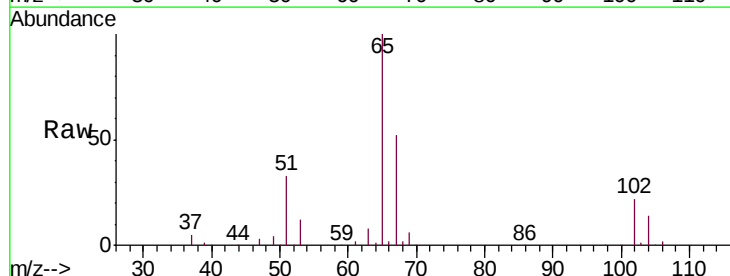
Instrument :
MSVOA_W
ClientSampleId :
TP-4-S2

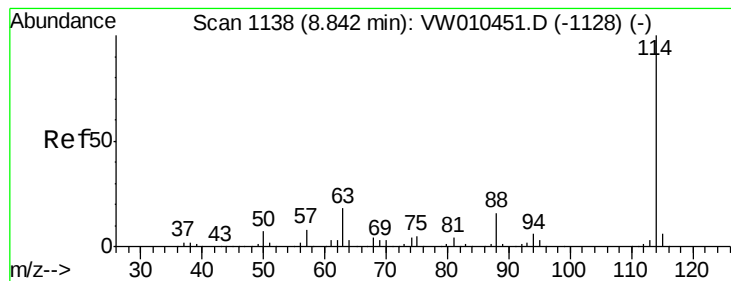
Tgt Ion: 42 Resp: 507
Ion Ratio Lower Upper
42 100
72 21.1 38.5 57.7#
71 36.3 36.5 54.7#



#33
1,2-Dichloroethane-d4
Concen: 54.939 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010595.D
Acq: 29 May 2019 17:09

Tgt Ion: 65 Resp: 67906
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

TP-4-S2

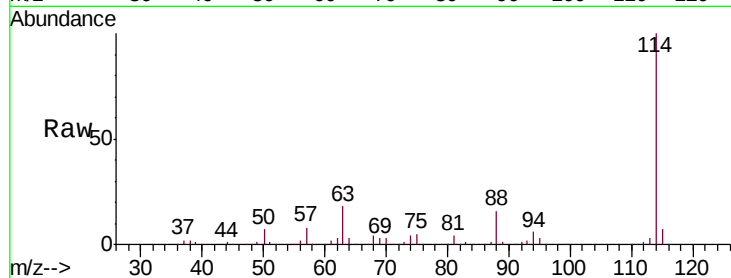
Tgt Ion:114 Resp: 217799

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.0

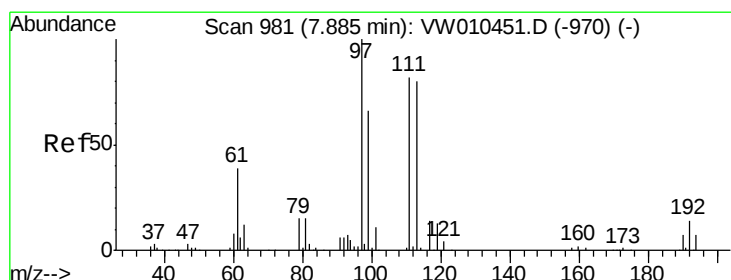
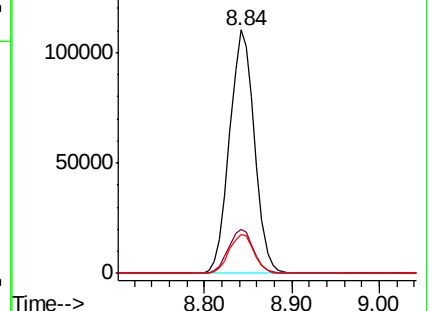
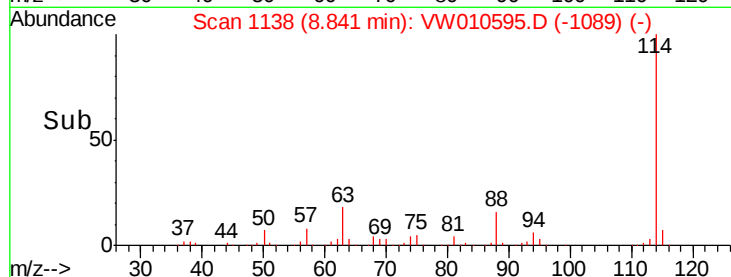
88 15.9 0.0 32.0



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: 47.679 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

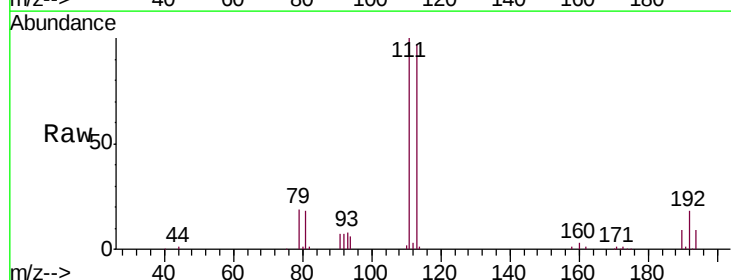
Tgt Ion:113 Resp: 63011

Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

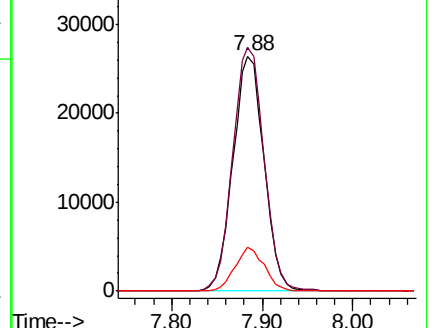
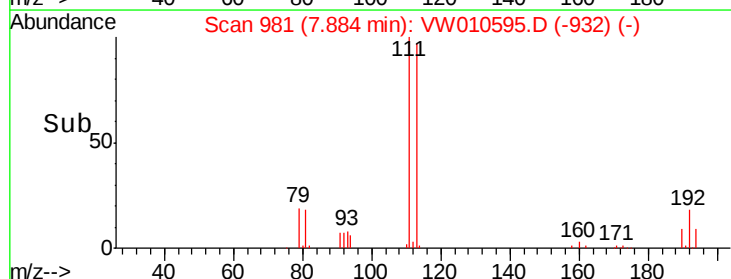
192 17.5 14.3 21.5

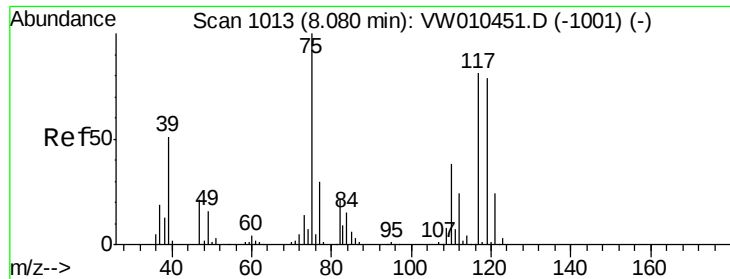


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

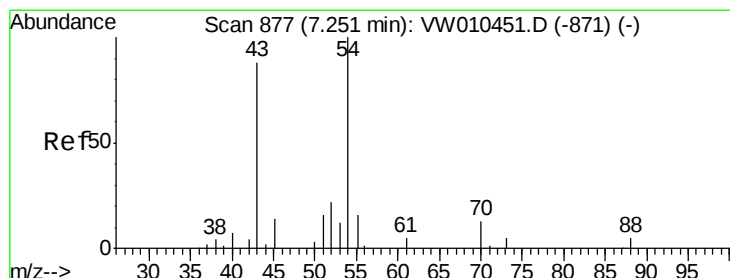
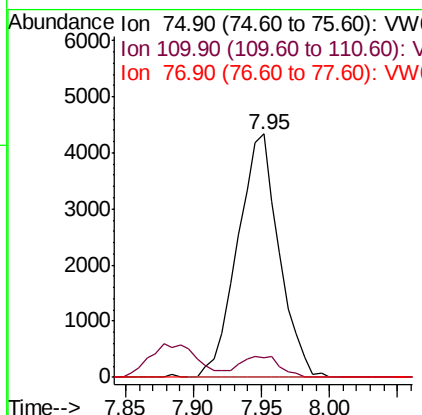
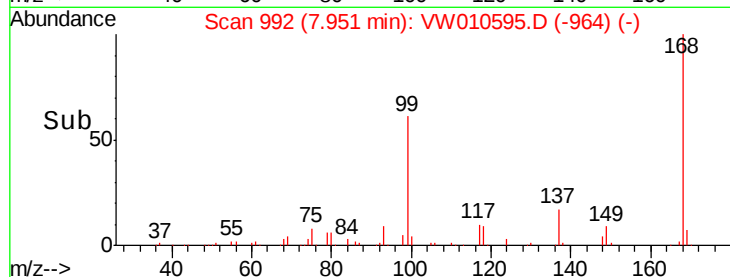
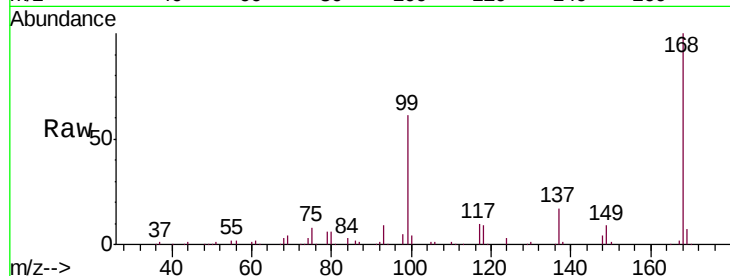




#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010595.D
 Acq: 29 May 2019 17:09

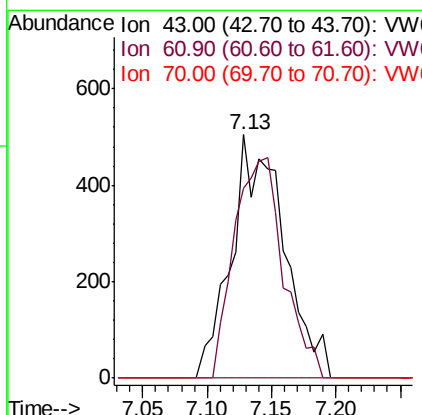
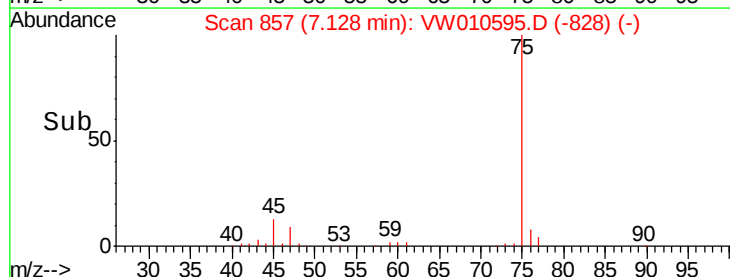
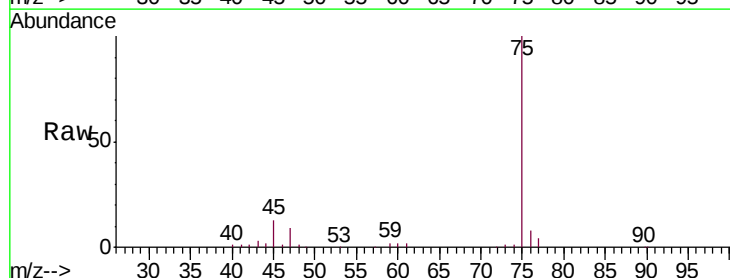
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-S2

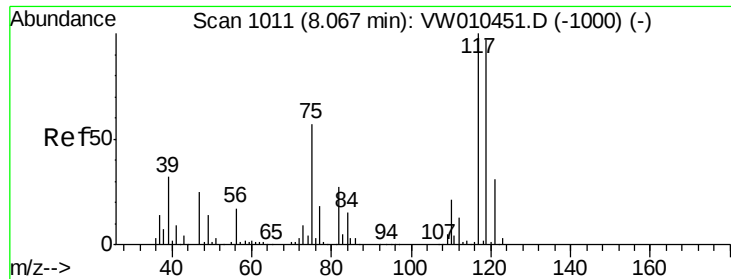
Tgt Ion: 75 Resp: 9226
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.2 57.6#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 1.656 ug/l
 RT: 7.13 min Scan# 857
 Delta R.T. -0.12 min
 Lab File: VW010595.D
 Acq: 29 May 2019 17:09

Tgt Ion: 43 Resp: 1429
 Ion Ratio Lower Upper
 43 100
 61 84.8 11.2 16.8#
 70 0.0 9.9 14.9#





#38

Carbon Tetrachloride

Concen: 5.679 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

TP-4-S2

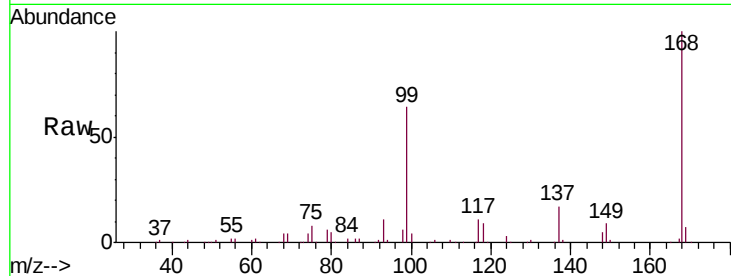
Tgt Ion: 117 Resp: 12429

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

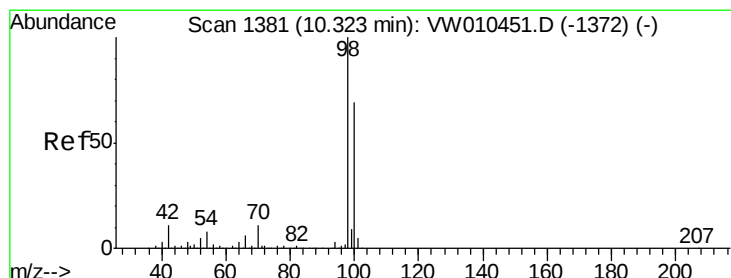
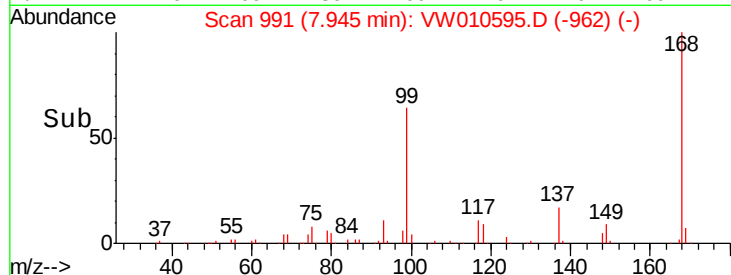
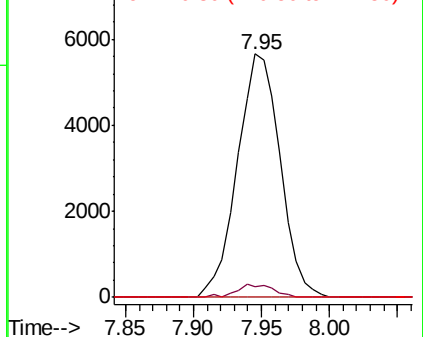
121 0.0 25.0 37.6#



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: 52.651 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010595.D

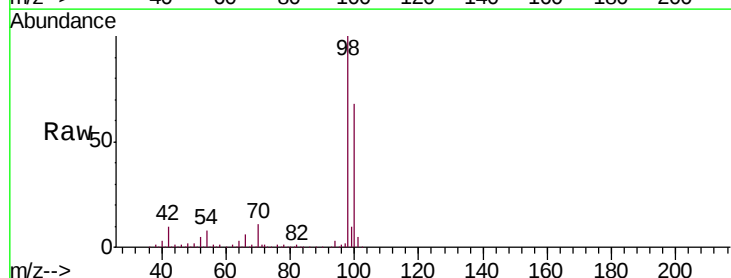
Acq: 29 May 2019 17:09

Tgt Ion: 98 Resp: 265816

Ion Ratio Lower Upper

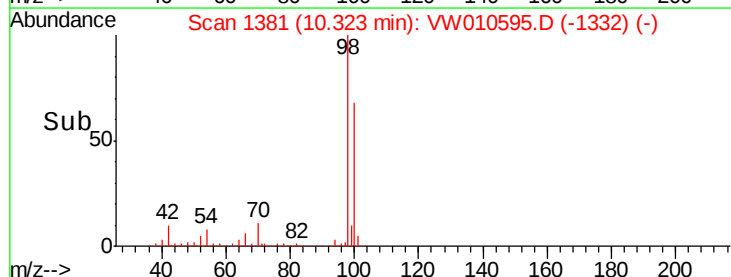
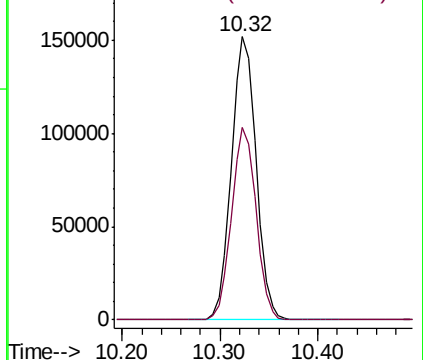
98 100

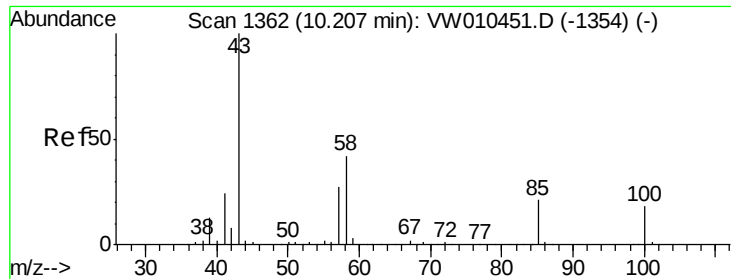
100 67.6 53.7 80.5



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: 1.211 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

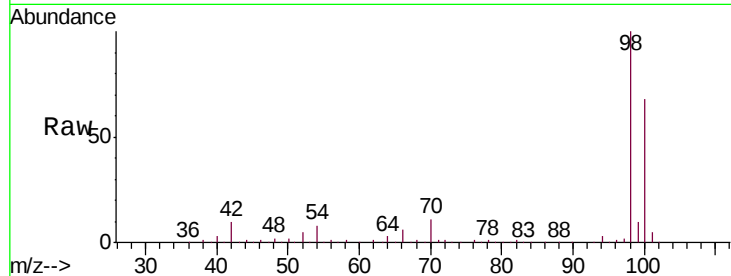
TP-4-S2

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

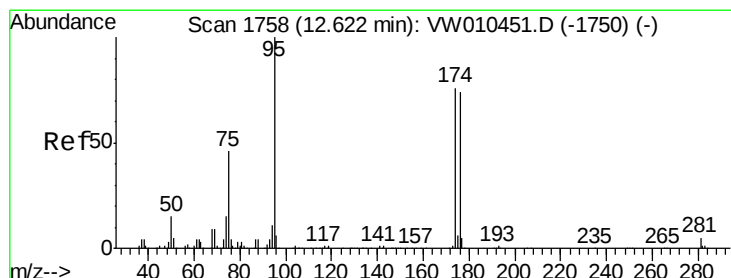
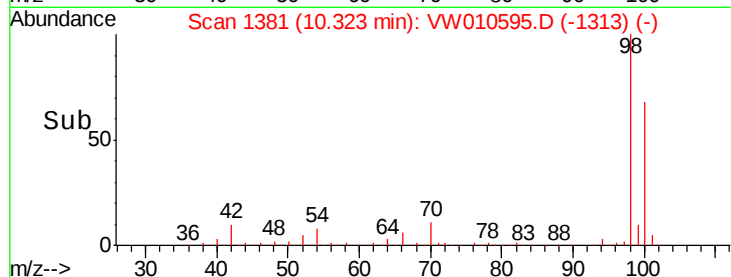
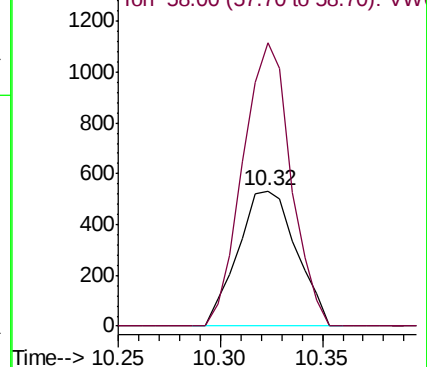
43 100

58 173.1 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 50.128 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

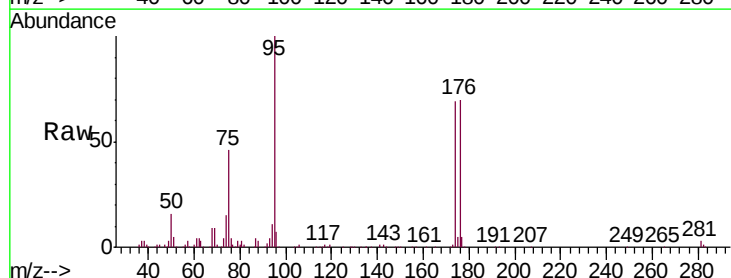
Tgt Ion: 95 Resp: 100805

Ion Ratio Lower Upper

95 100

174 69.6 0.0 148.6

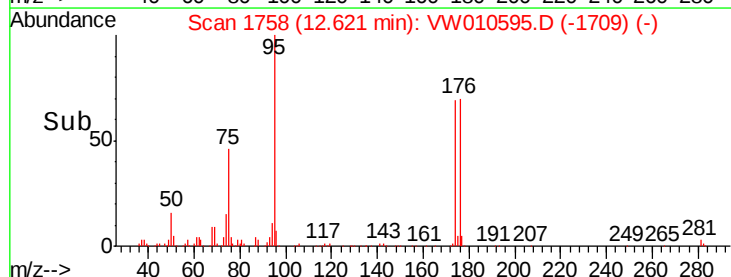
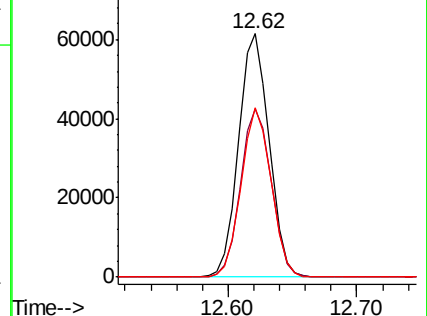
176 68.4 0.0 144.2

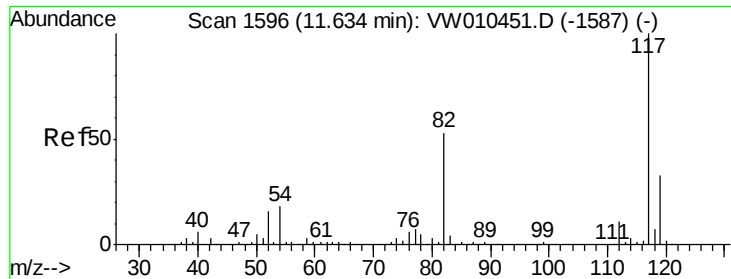


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

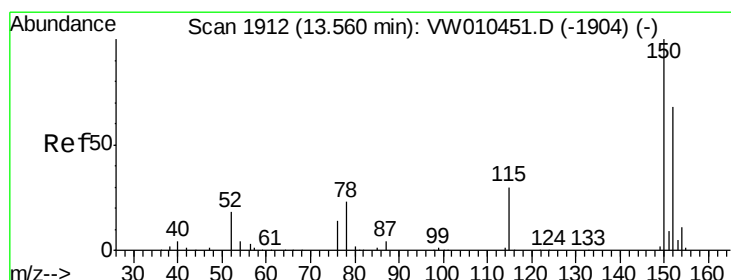
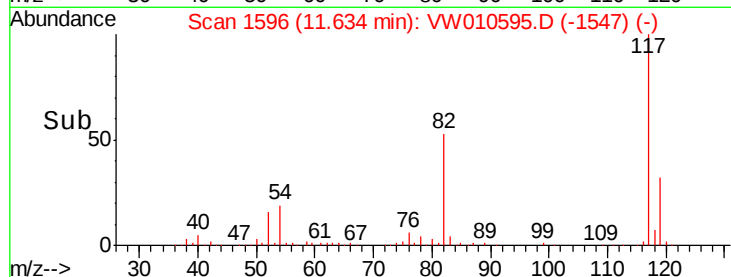
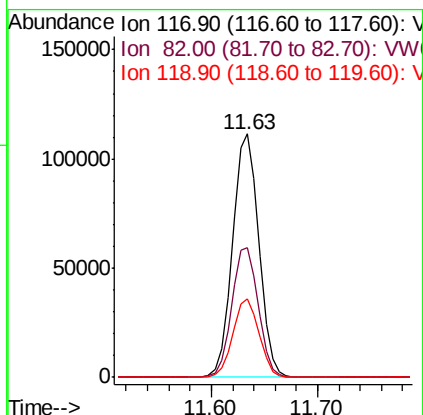
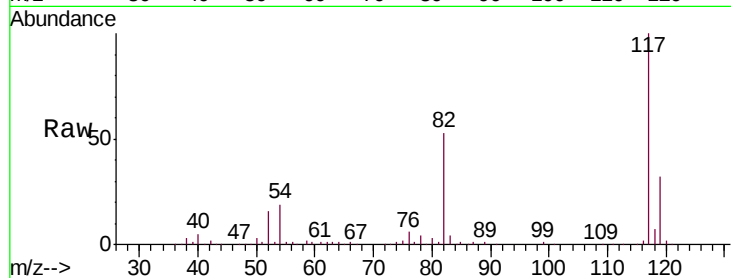




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010595.D
Acq: 29 May 2019 17:09

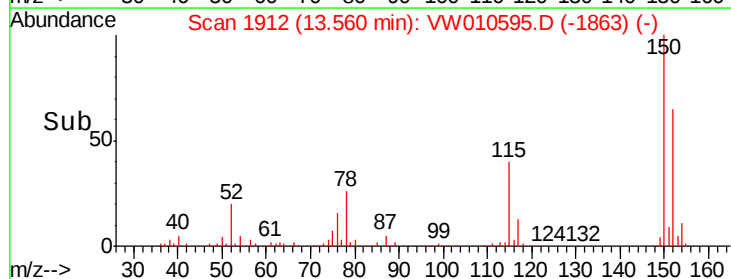
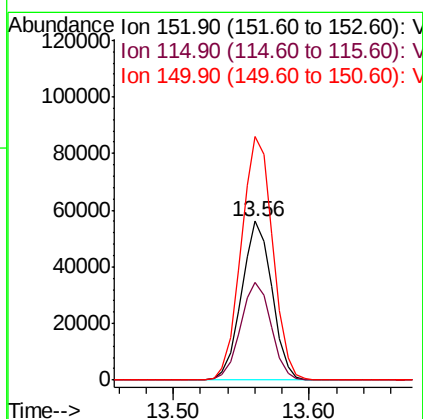
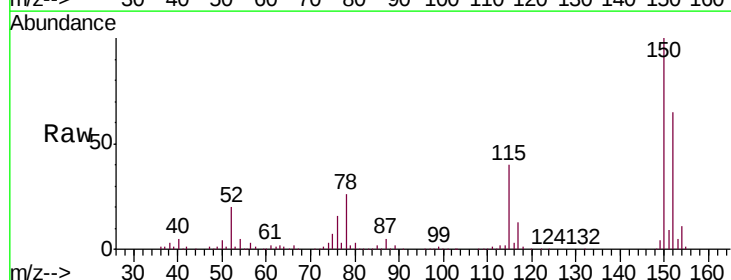
Instrument :
MSVOA_W
ClientSampled :
TP-4-S2

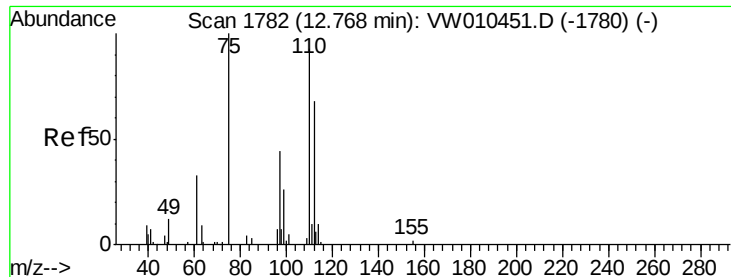
Tgt Ion:117 Resp: 193111
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010595.D
Acq: 29 May 2019 17:09

Tgt Ion:152 Resp: 87620
Ion Ratio Lower Upper
152 100
115 61.8 30.3 91.0
150 158.6 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 52.750 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

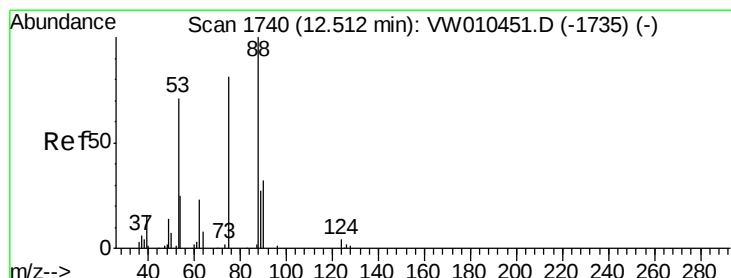
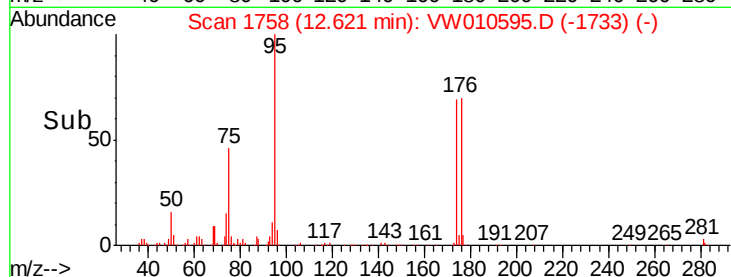
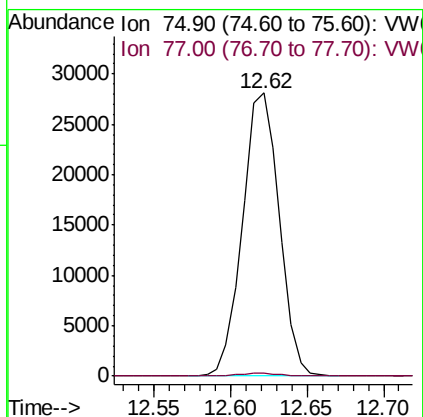
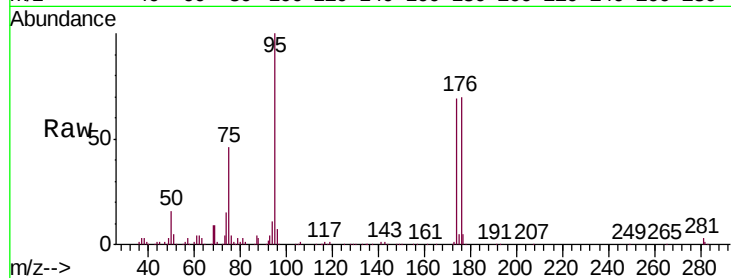
TP-4-S2

Tgt Ion: 75 Resp: 46916

Ion Ratio Lower Upper

75 100

77 1.2 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.091 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010595.D

Acq: 29 May 2019 17:09

Tgt Ion: 75 Resp: 46916

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

