

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010471.D
 Acq On : 21 May 2019 02:21
 Operator : SY/VA
 Sample : K2951-03
 Misc : 6.54G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-12-S

Quant Time: May 21 06:51:20 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	112824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	211770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49844	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	68235	58.59	ug/l	0.00
Spiked Amount			Recovery	=	117.18%	
35) Dibromofluoromethane	7.88	113	67913	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
50) Toluene-d8	10.32	98	257924	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.62	95	73099	37.39	ug/l	0.00
Spiked Amount			Recovery	=	74.78%	

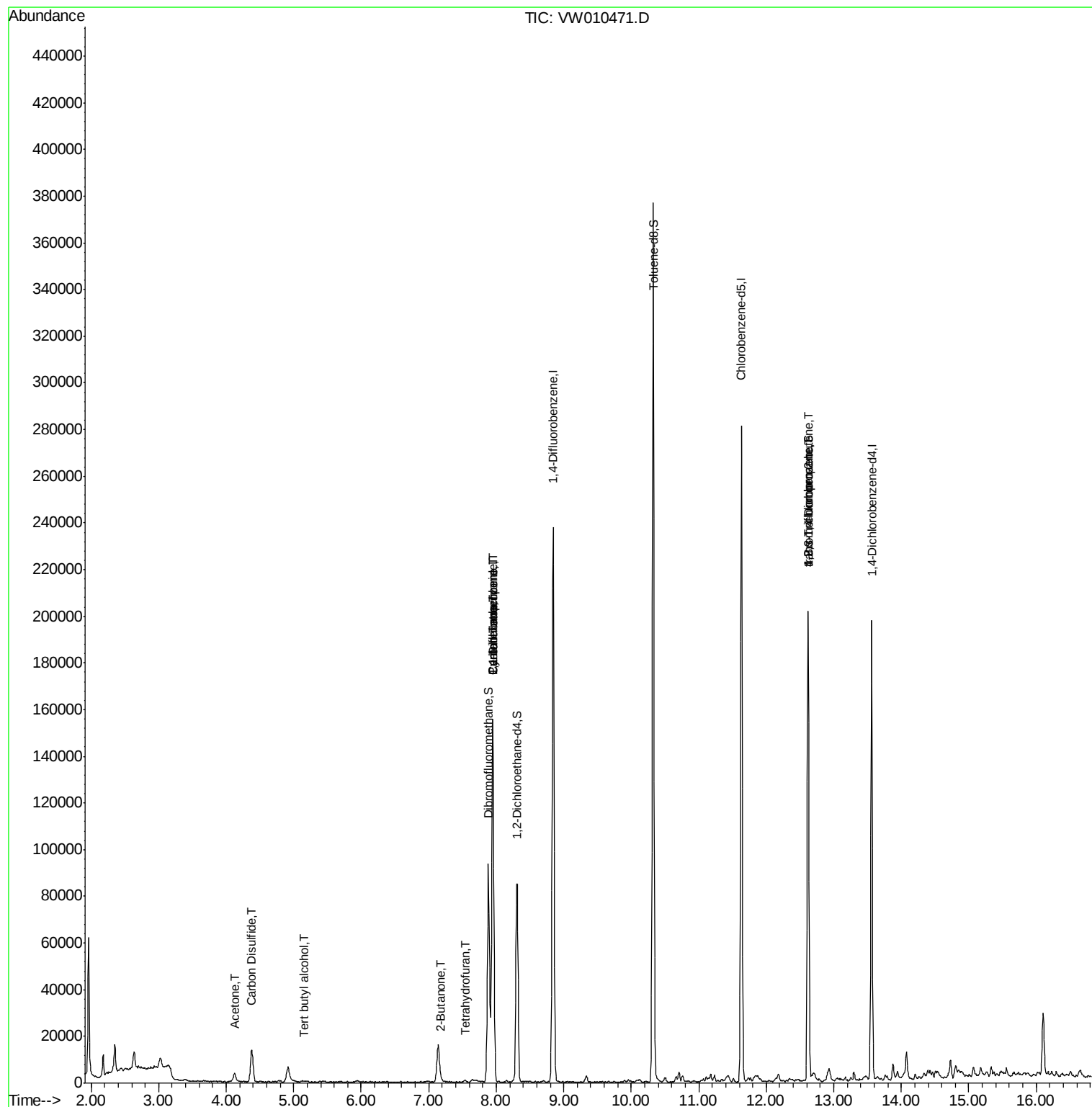
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	50	Below Cal	#	42
11) Tert butyl alcohol	5.17	59	302	2.883	ug/l #	71
13) Acrolein	3.90	56	21	Below Cal	#	1
16) Acetone	4.12	43	5934	24.963	ug/l	98
17) Carbon Disulfide	4.38	76	28282	7.957	ug/l	100
20) Methylene Chloride	4.92	84	4797	Below Cal		95
25) 2-Butanone	7.18	43	2304	6.773	ug/l	100
29) Tetrahydrofuran	7.53	42	712	3.093	ug/l #	65
31) Cyclohexane	7.95	56	2522	1.141	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	8731	4.426	ug/l #	47
38) Carbon Tetrachloride	7.95	117	11830	5.559	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	34086	67.371	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34086	140.604	ug/l #	14

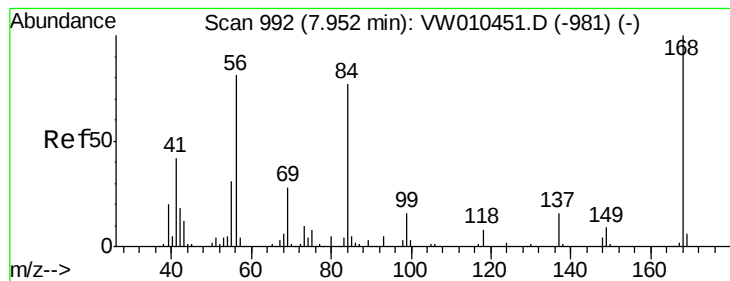
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
Data File : VW010471.D
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Quant Time: May 21 06:51:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_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: VW010471.D

Acq: 21 May 2019 02:21

Instrument :

MSVOA_W

ClientSampled :

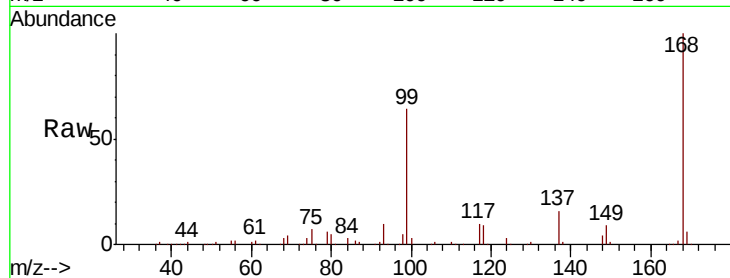
TP-12-S

Tot Ion:168 Resp: 112824

Ion Ratio Lower Upper

168 100

99 63.6 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

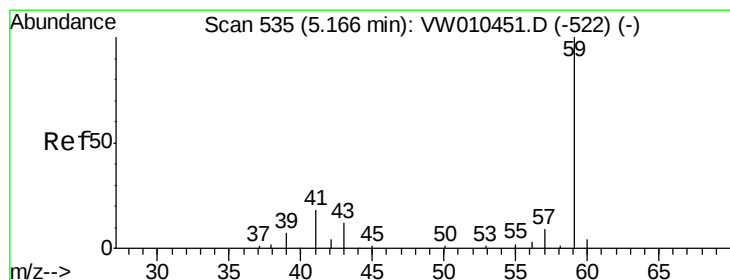
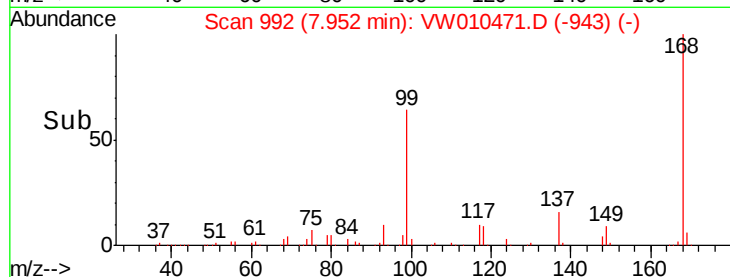
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 2.883 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW010471.D

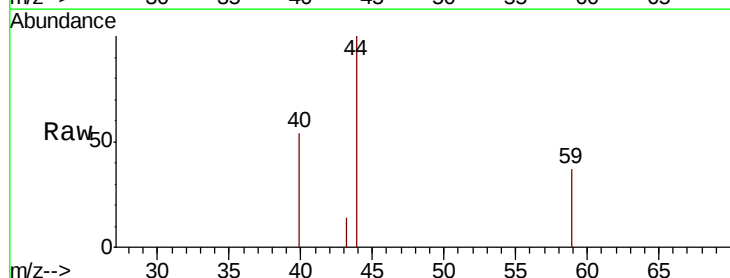
Acq: 21 May 2019 02:21

Tgt Ion: 59 Resp: 302

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

150

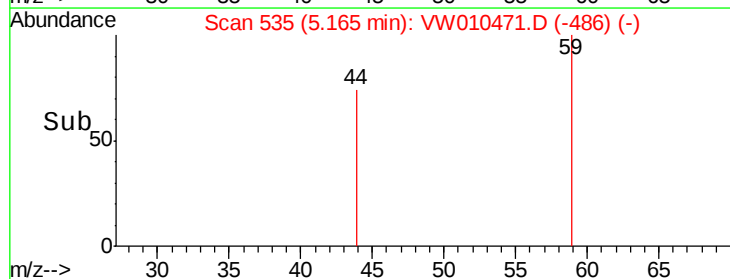
100

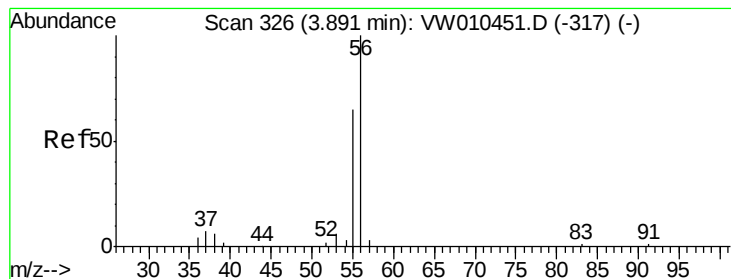
50

0

5.15 5.20

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

Instrument :

MSVOA_W

ClientSampled :

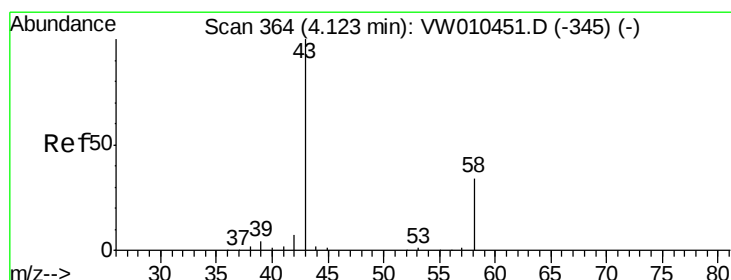
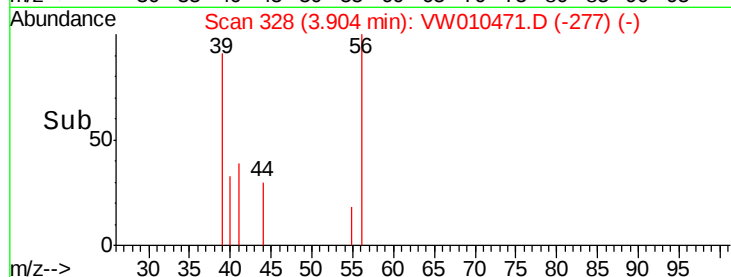
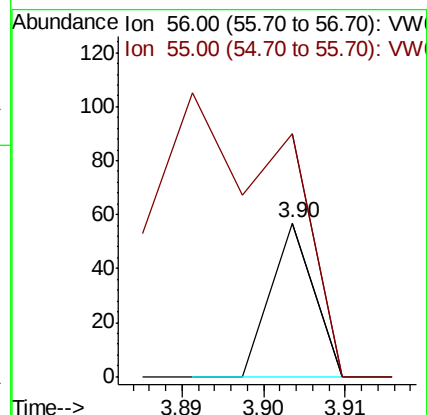
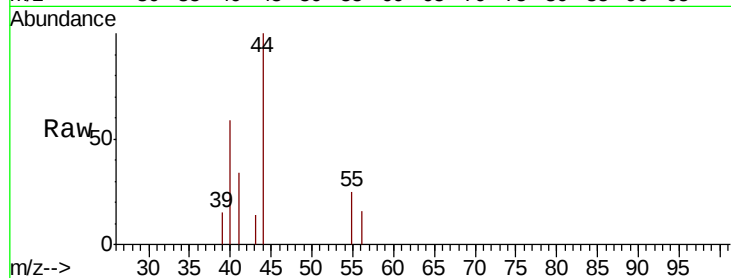
TP-12-S

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 647.6 57.9 86.9#



#16

Acetone

Concen: 24.963 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010471.D

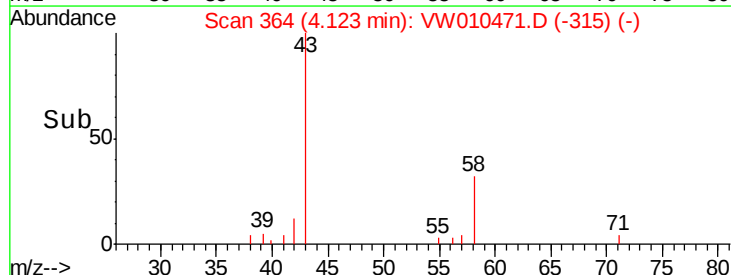
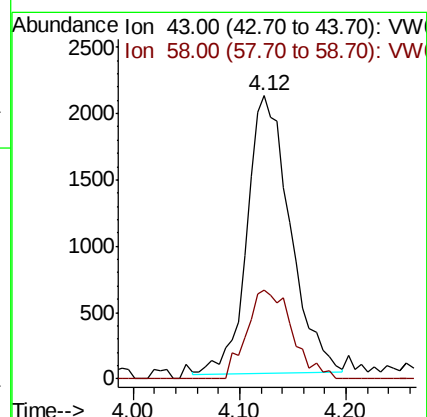
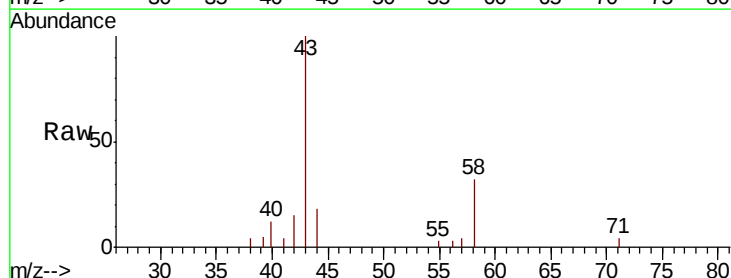
Acq: 21 May 2019 02:21

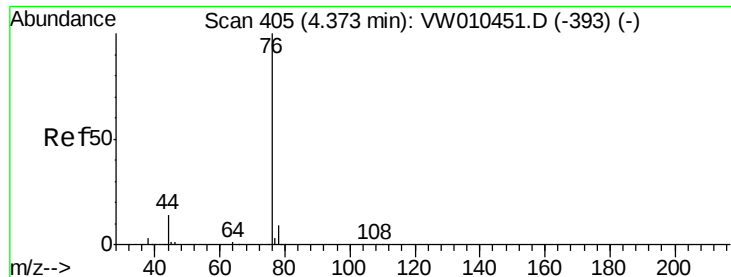
Tgt Ion: 43 Resp: 5934

Ion Ratio Lower Upper

43 100

58 32.4 27.0 40.4





#17

Carbon Disulfide

Concen: 7.957 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

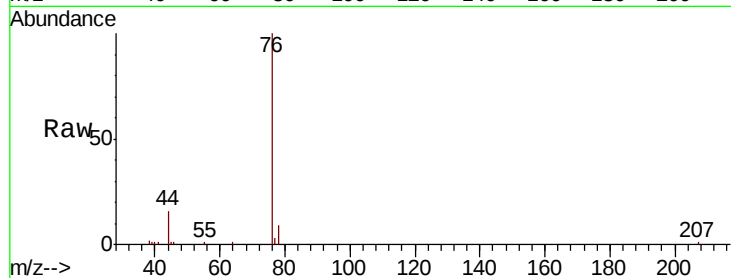
TP-12-S

Tot Ion: 76 Resp: 28282

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

12000

10000

8000

6000

4000

2000

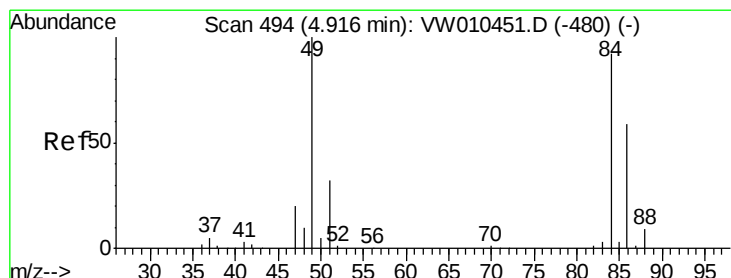
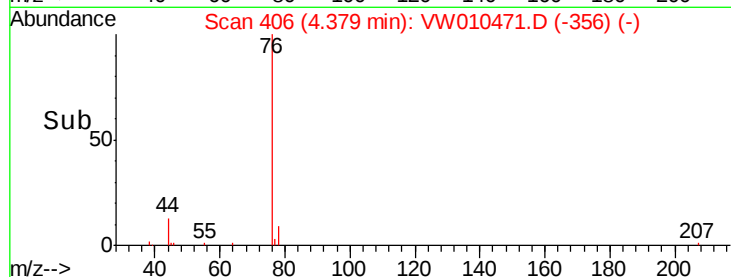
0

Time-->

4.30

4.40

4.50



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

Tgt Ion: 84 Resp: 4797

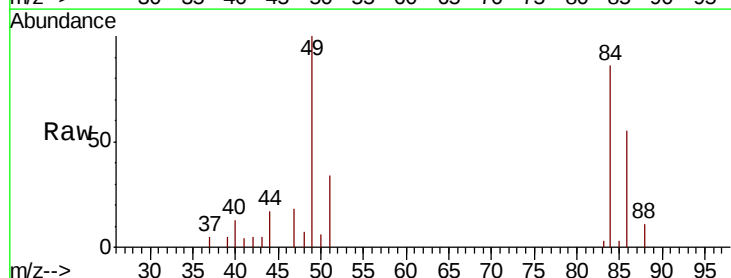
Ion Ratio Lower Upper

84 100

49 116.1 87.2 130.8

51 39.0 27.7 41.5

86 63.5 51.4 77.0



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

2500

2000

1500

1000

500

0

Time-->

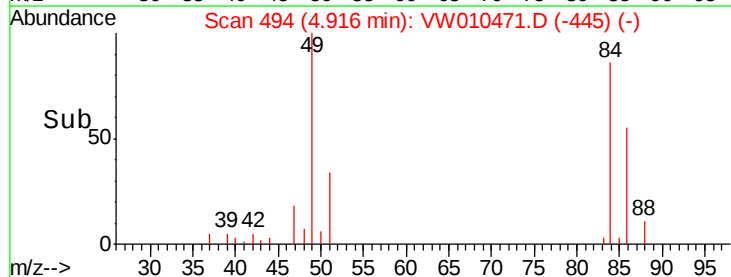
4.80

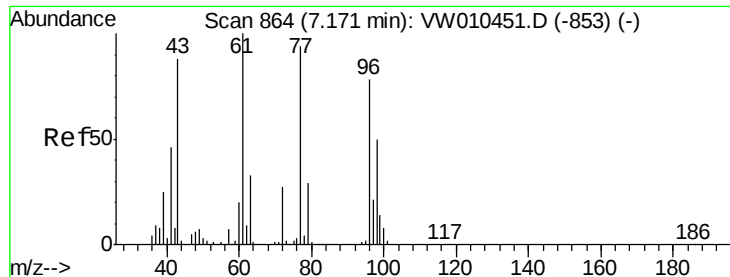
4.85

4.90

4.95

5.00

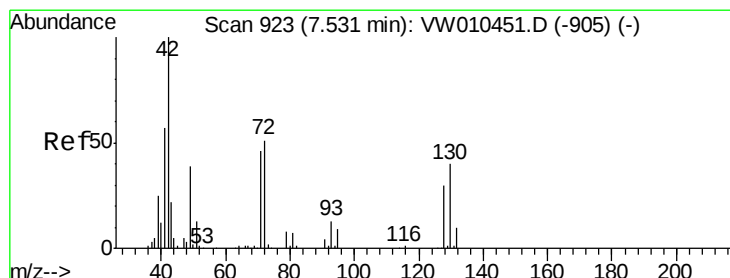
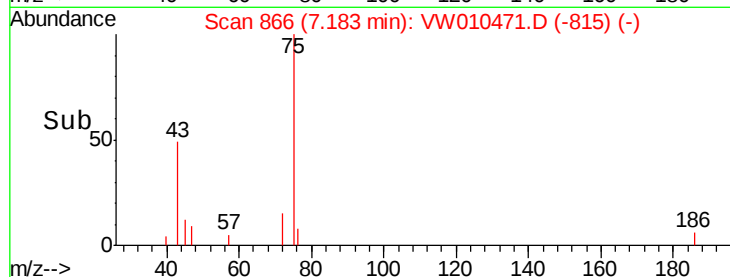
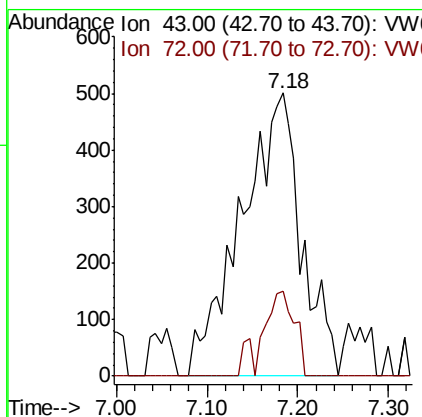
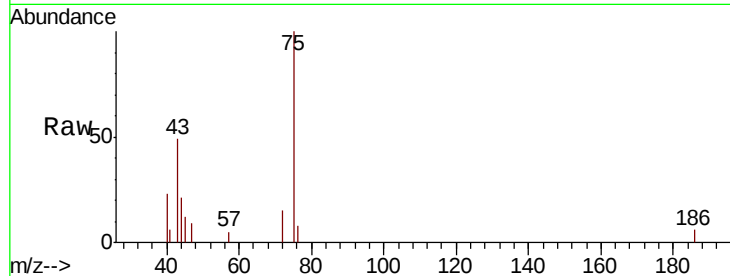




#25
2-Butanone
Concen: 6.773 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW010471.D
Acq: 21 May 2019 02:21

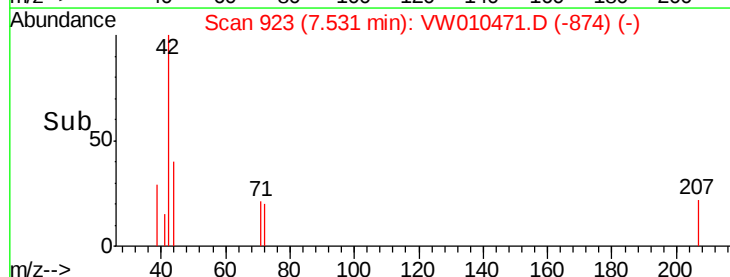
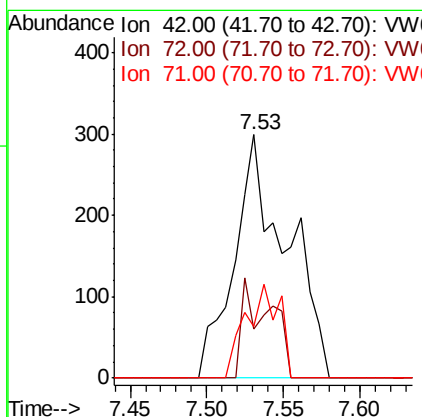
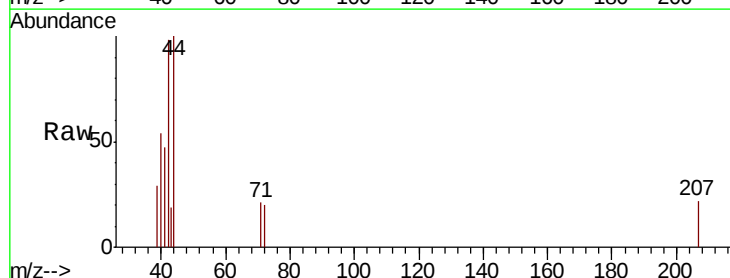
Instrument :
MSVOA_W
ClientSampled :
TP-12-S

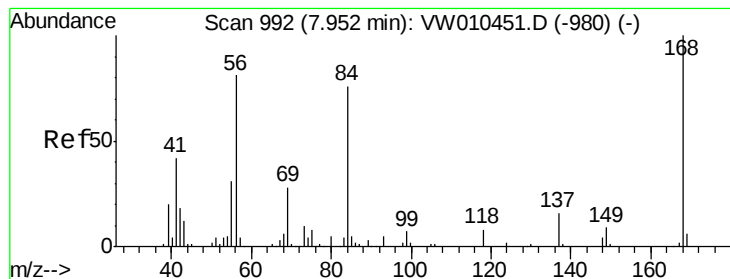
Tot Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
72 29.9 24.1 36.1



#29
Tetrahydrofuran
Concen: 3.093 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010471.D
Acq: 21 May 2019 02:21

Tgt Ion: 42 Resp: 712
Ion Ratio Lower Upper
42 100
72 22.2 38.5 57.7#
71 24.9 36.5 54.7#





#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

TP-12-S

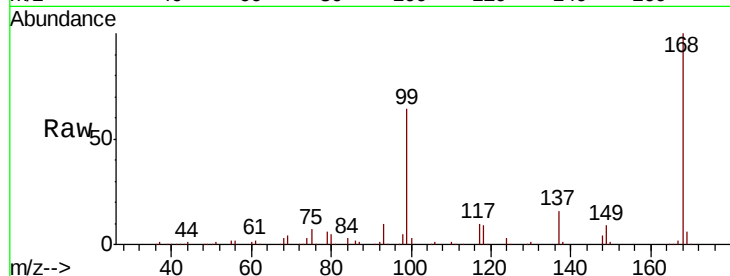
Tot Ion: 56 Resp: 2522

Ion Ratio Lower Upper

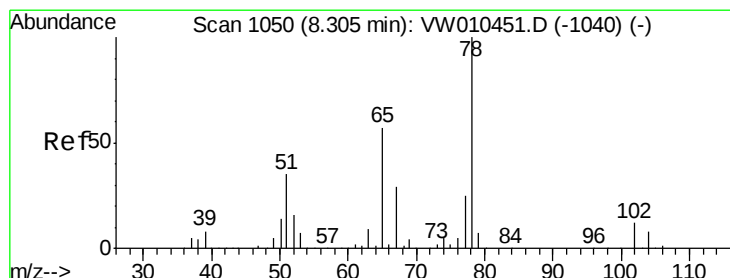
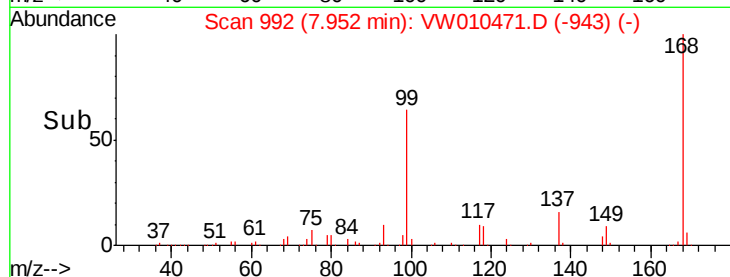
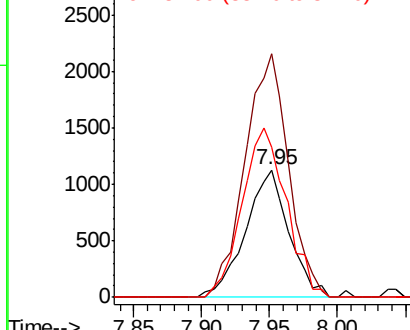
56 100

69 191.0 28.2 42.2#

84 117.7 75.8 113.8#



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: 58.594 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010471.D

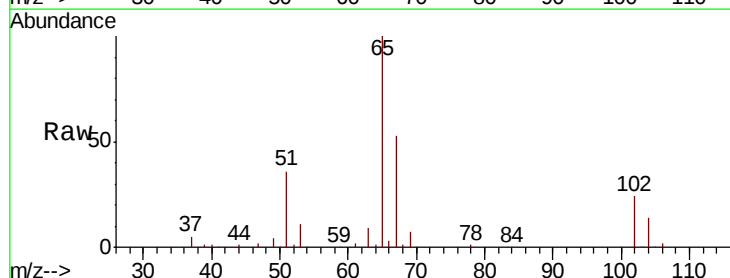
Acq: 21 May 2019 02:21

Tgt Ion: 65 Resp: 68235

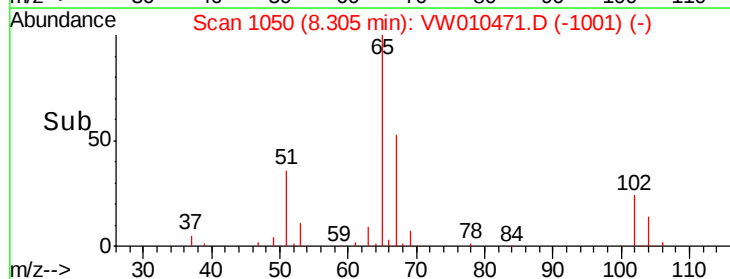
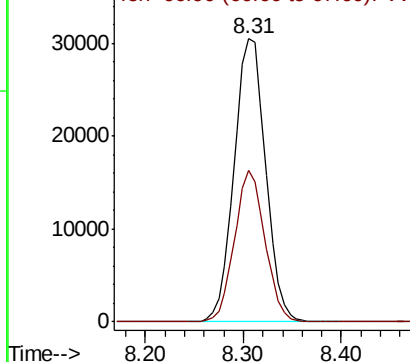
Ion Ratio Lower Upper

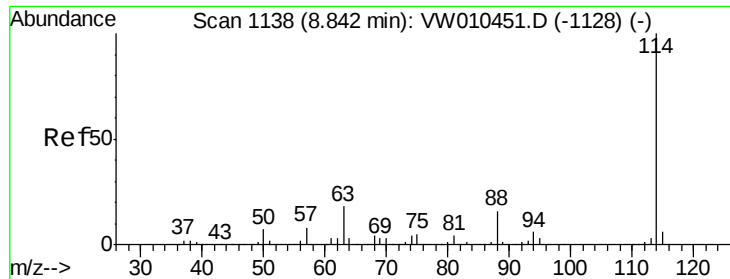
65 100

67 51.7 0.0 103.6



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

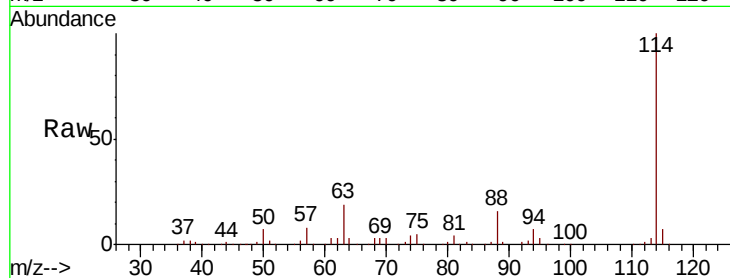




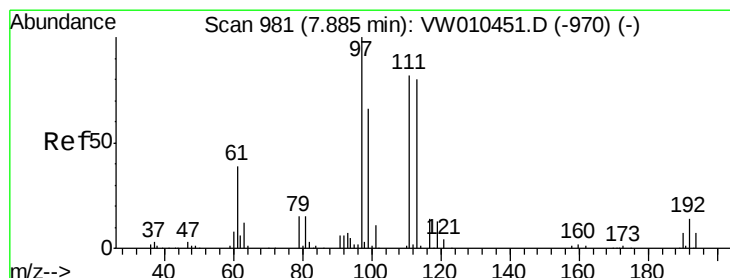
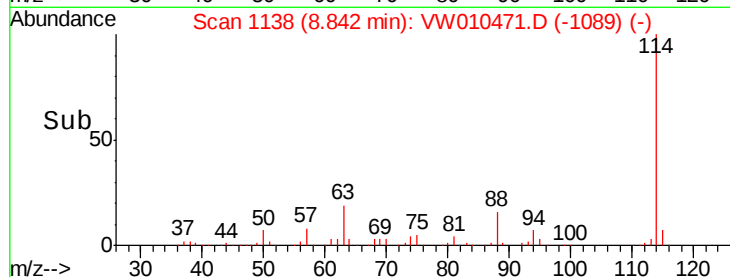
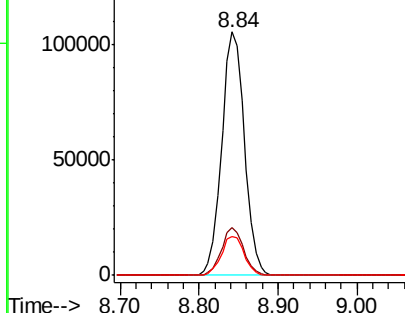
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010471.D
 Acq: 21 May 2019 02:21

Instrument :
 MSVOA_W
 ClientSampled :
 TP-12-S

Tot Ion:114 Resp: 211770
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.0
 88 16.0 0.0 32.0

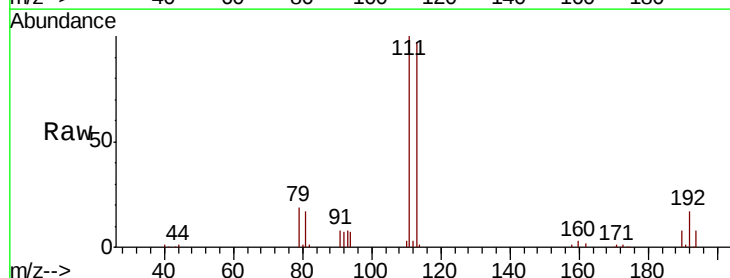


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

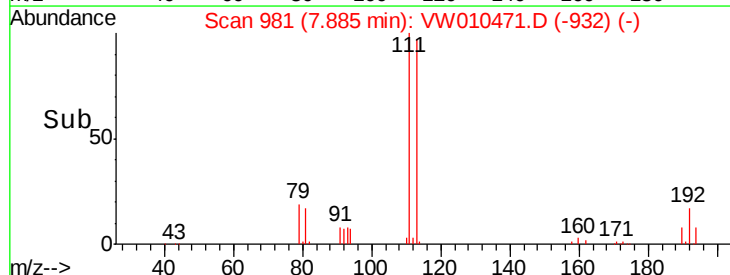
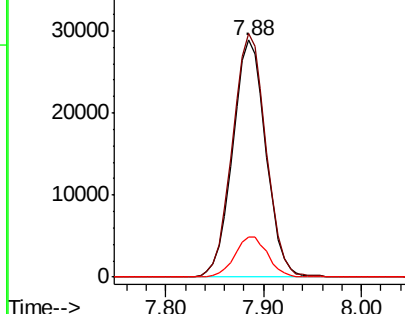


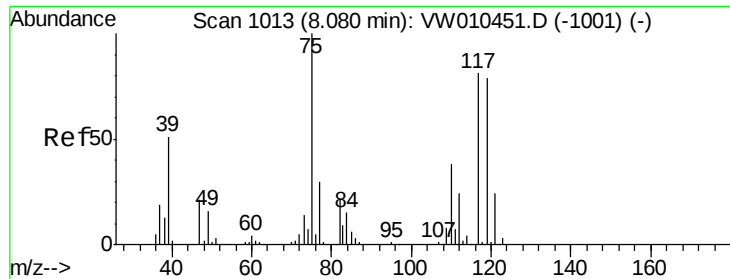
#35
 Dibromofluoromethane
 Concen: 52.851 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010471.D
 Acq: 21 May 2019 02:21

Tgt Ion:113 Resp: 67913
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.2 123.4
 192 17.1 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: 4.426 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

Instrument :

MSVOA_W

ClientSampled :

TP-12-S

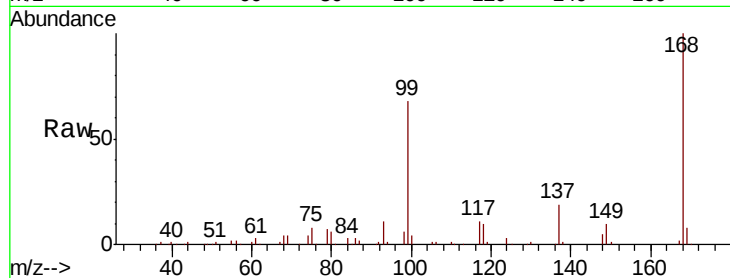
Tot Ion: 75 Resp: 8731

Ion Ratio Lower Upper

75 100

110 8.5 19.2 57.6#

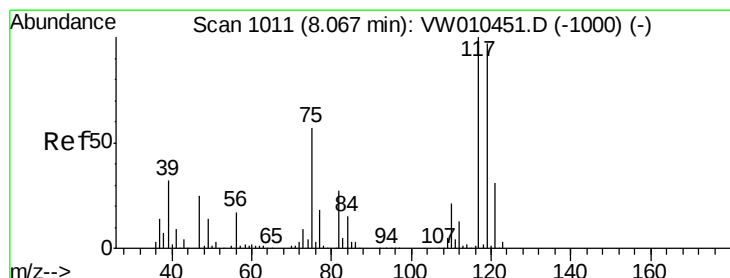
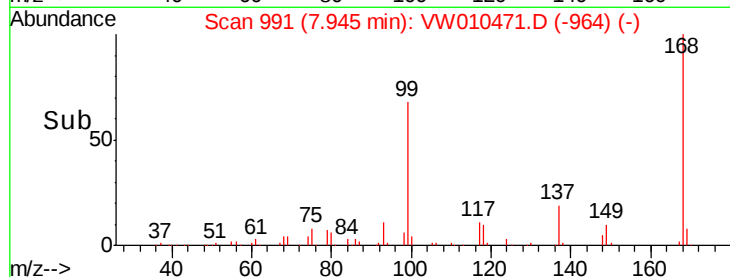
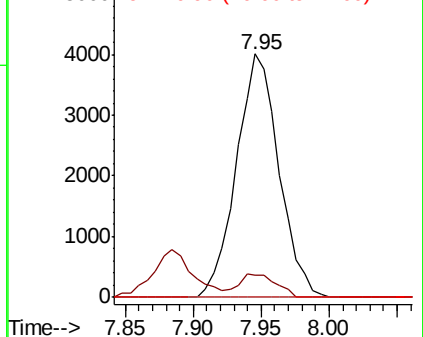
77 0.0 25.2 37.8#



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: 5.559 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

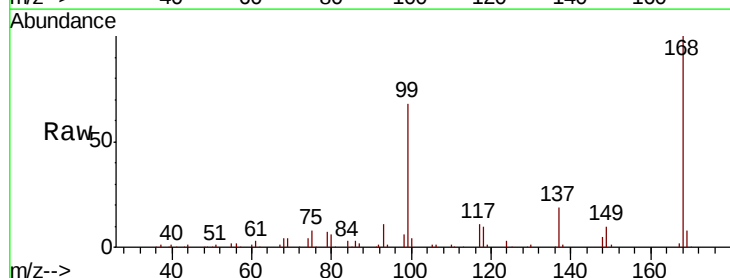
Tgt Ion: 117 Resp: 11830

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

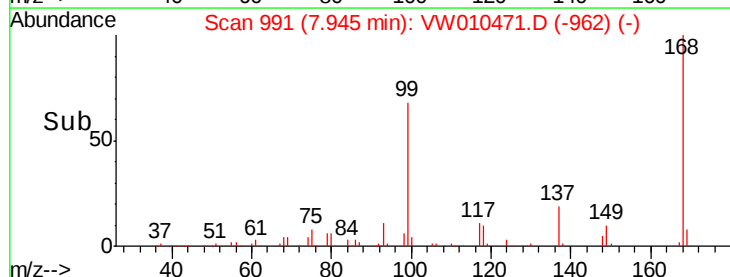
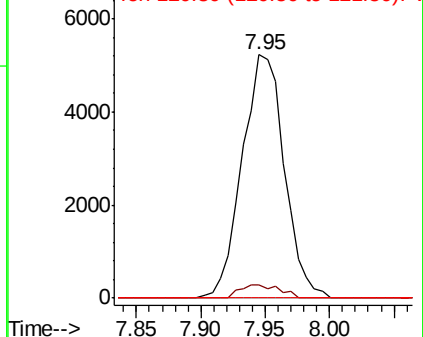
121 0.0 25.0 37.6#

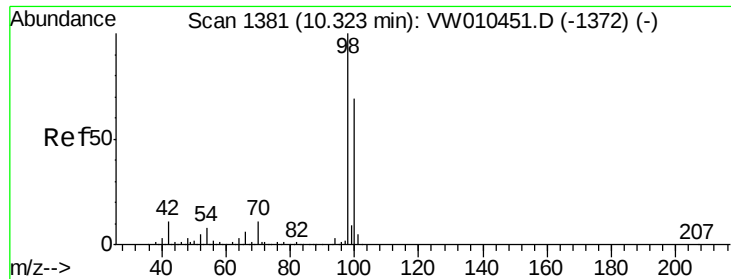


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.542 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

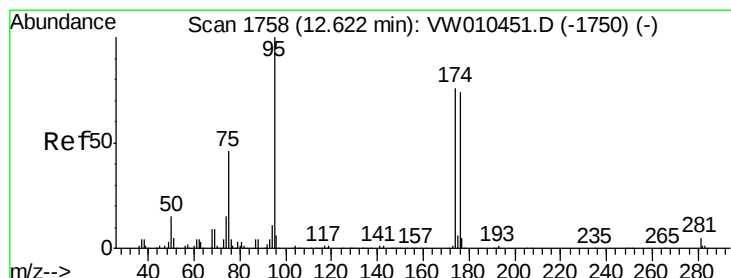
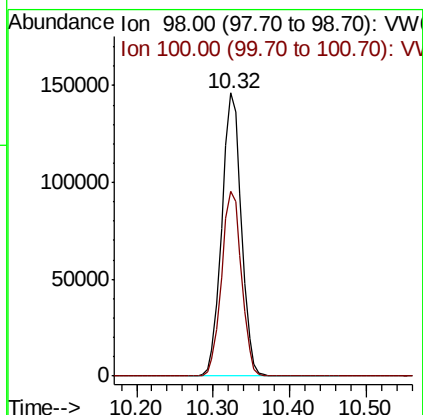
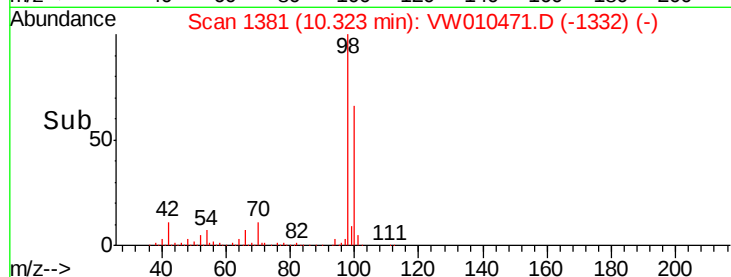
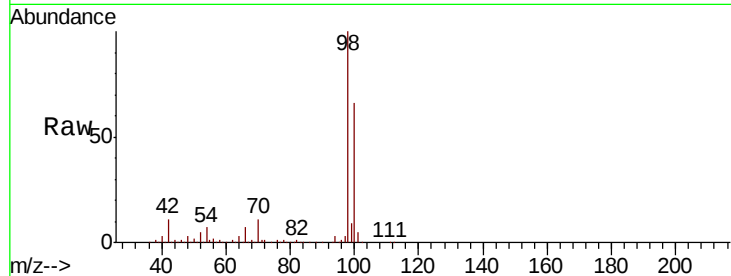
TP-12-S

Tot Ion: 98 Resp: 257924

Ion Ratio Lower Upper

98 100

100 66.5 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 37.385 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010471.D

Acq: 21 May 2019 02:21

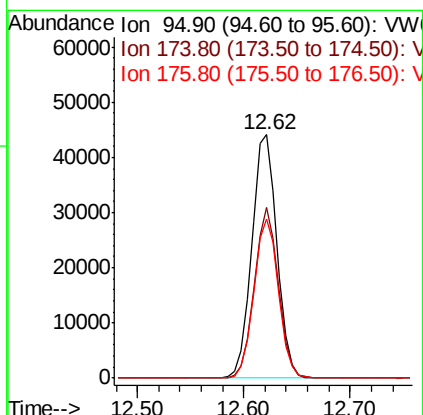
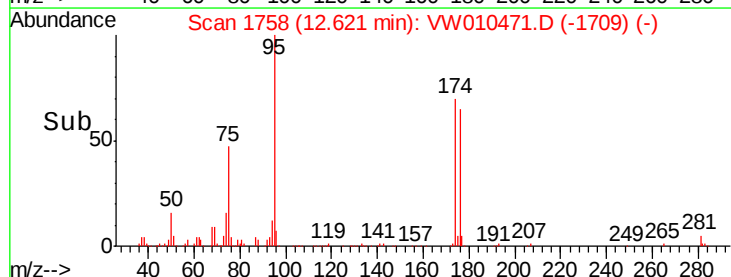
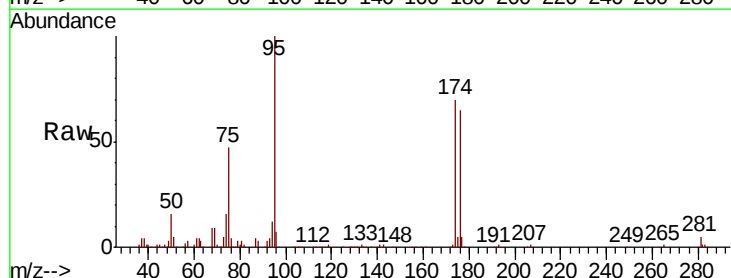
Tgt Ion: 95 Resp: 73099

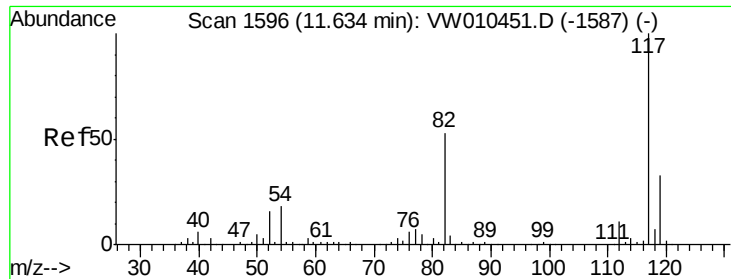
Ion Ratio Lower Upper

95 100

174 66.6 0.0 148.6

176 63.5 0.0 144.2

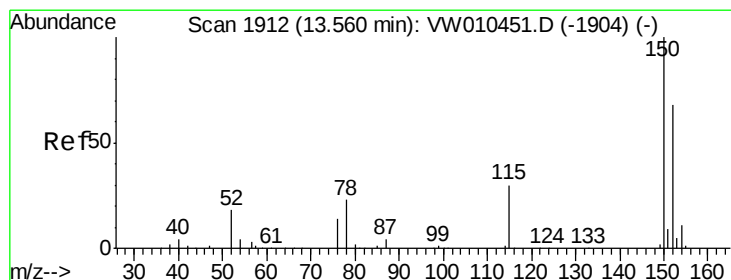
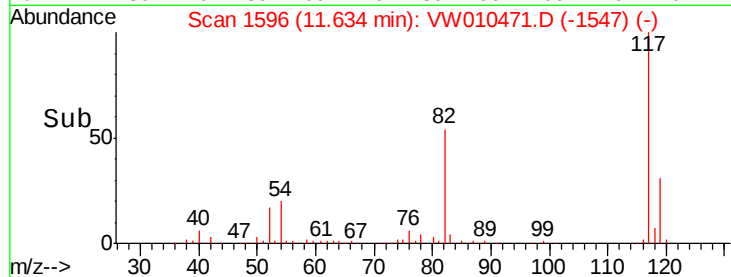
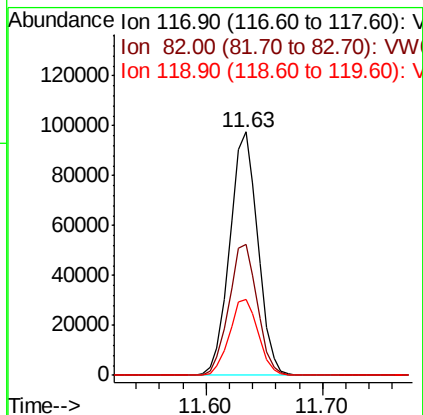
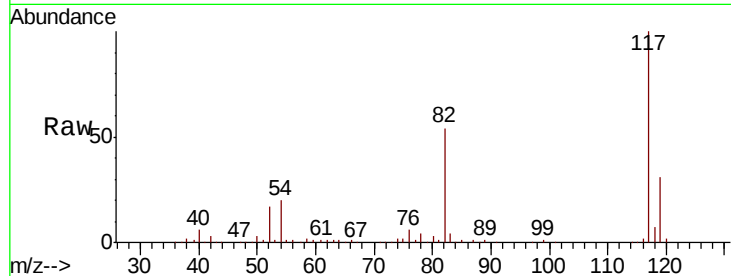




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010471.D
Acq: 21 May 2019 02:21

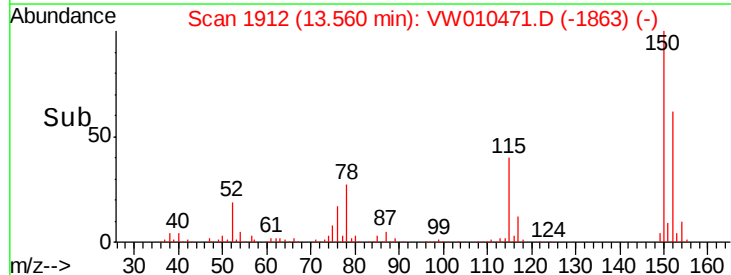
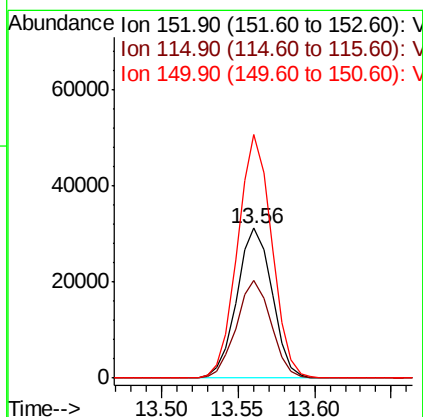
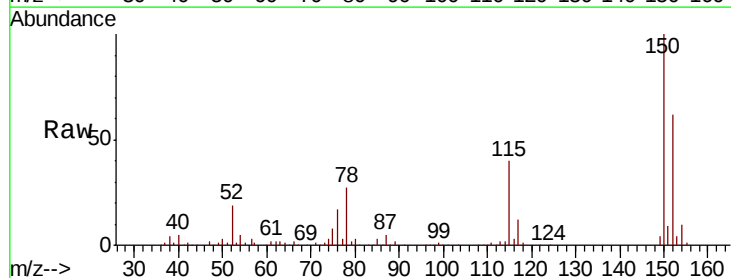
Instrument :
MSVOA_W
ClientSampleId :
TP-12-S

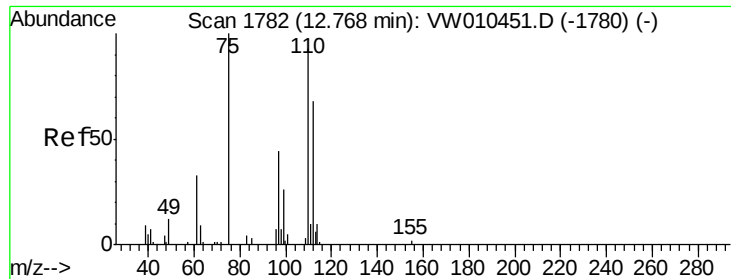
Tot Ion:117 Resp: 163835
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 31.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010471.D
Acq: 21 May 2019 02:21

Tgt Ion:152 Resp: 49844
Ion Ratio Lower Upper
152 100
115 64.1 30.3 91.0
150 157.7 0.0 349.8

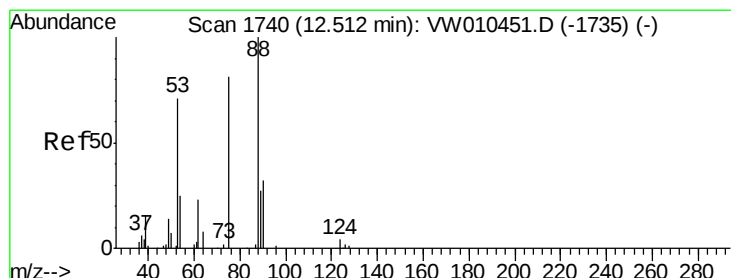
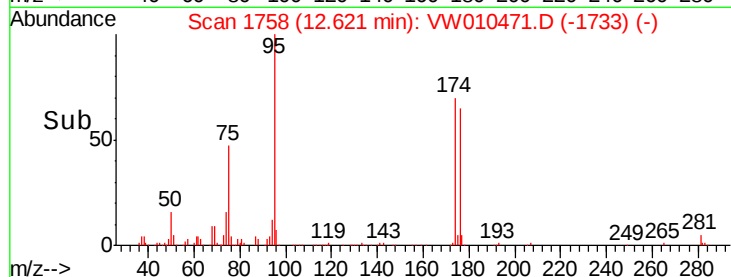
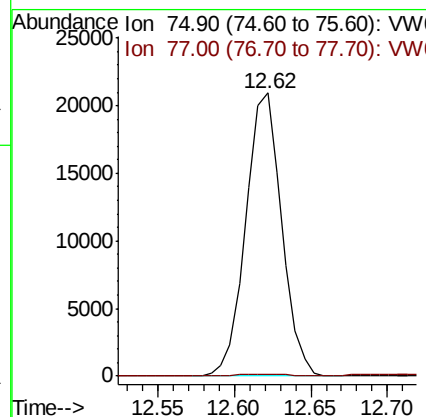
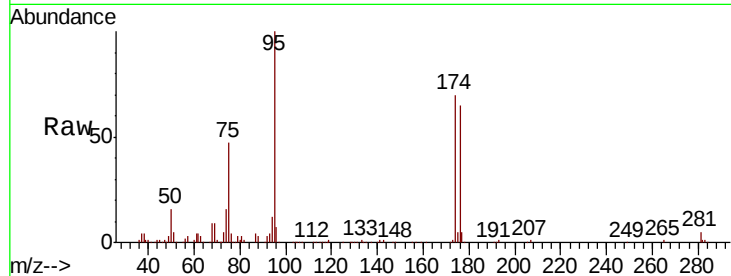




#76
 1,2,3-Trichloropropane
 Concen: 67.371 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010471.D
 Acq: 21 May 2019 02:21

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-12-S

Tot Ion: 75 Resp: 34086
 Ion Ratio Lower Upper
 75 100
 77 1.1 170.0 510.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.604 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010471.D
 Acq: 21 May 2019 02:21

Tgt Ion: 75 Resp: 34086
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.0 39.5 59.3#

