

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010470.D
 Acq On : 21 May 2019 01:54
 Operator : SY/VA
 Sample : K2943-18
 Misc : 6.72G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DB-1-4FT

Quant Time: May 21 06:51:10 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	117261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	225971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	195869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72084	59.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.12%	
35) Dibromofluoromethane	7.88	113	71393	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	275711	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.62	95	101092	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

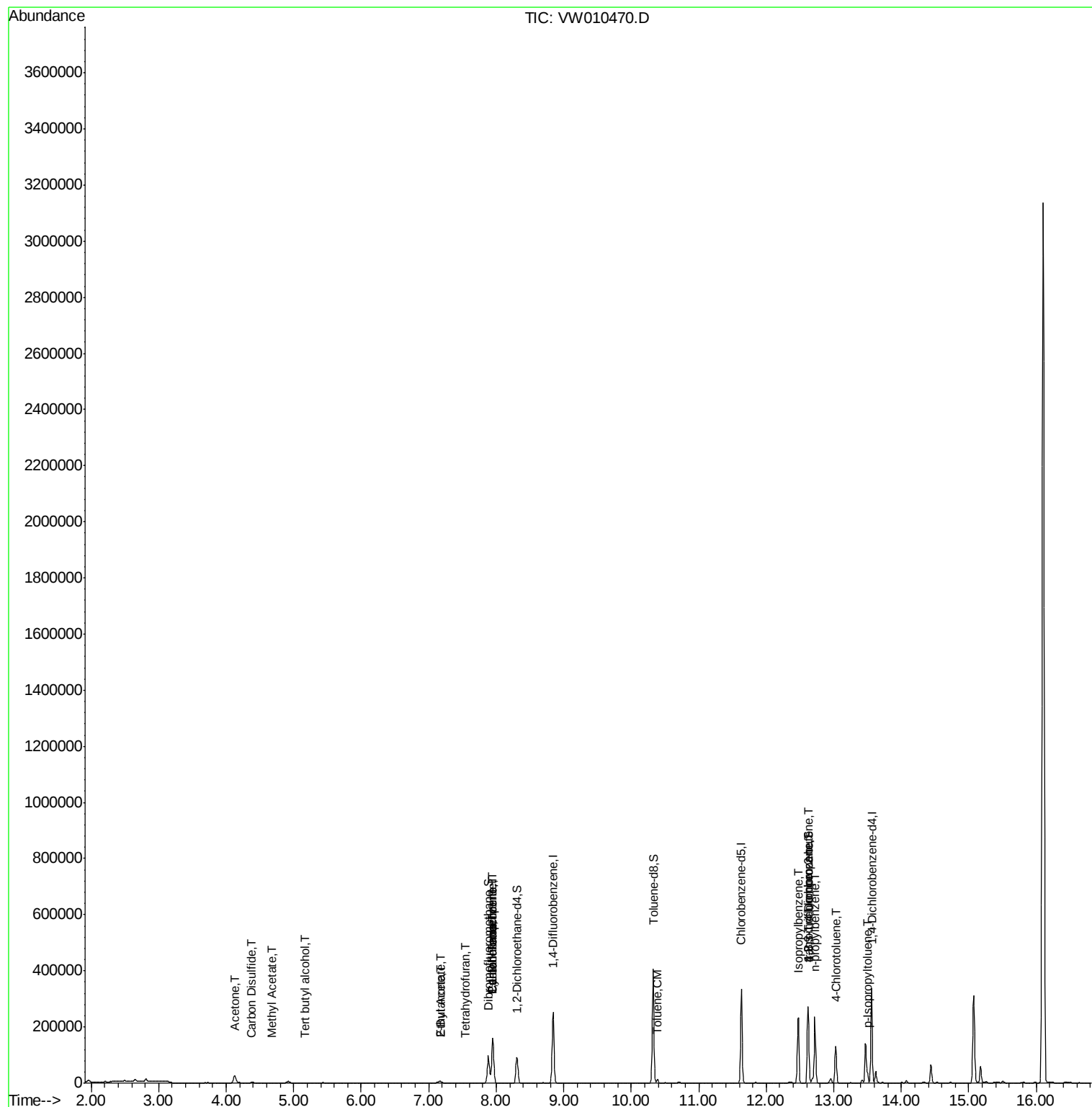
					Qvalue
11) Tert butyl alcohol	5.17	59	412	3.784 ug/l #	71
13) Acrolein	3.90	56	395	Below Cal #	54
16) Acetone	4.12	43	46522	188.306 ug/l	99
17) Carbon Disulfide	4.37	76	3971	1.075 ug/l	100
18) Methyl Acetate	4.68	43	2248	3.720 ug/l #	87
20) Methylene Chloride	4.92	84	4193	Below Cal	88
25) 2-Butanone	7.18	43	7879	22.285 ug/l	94
29) Tetrahydrofuran	7.54	42	324	1.354 ug/l #	55
31) Cyclohexane	7.95	56	2614	1.138 ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9230	4.385 ug/l #	48
37) Ethyl Acetate	7.18	43	7879	8.802 ug/l #	67
38) Carbon Tetrachloride	7.95	117	12340	5.434 ug/l #	16
52) Toluene	10.39	92	6471	1.647 ug/l	98
73) Isopropylbenzene	12.48	105	10829	1.596 ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	48438	55.816 ug/l #	1
78) n-propylbenzene	12.72	91	27393	3.465 ug/l #	53
81) trans-1,4-Dichloro-2-buten	12.62	75	48438	116.489 ug/l #	14
82) 4-Chlorotoluene	13.03	91	15645	3.287 ug/l #	40
86) p-Isopropyltoluene	13.50	119	19487	3.065 ug/l #	77

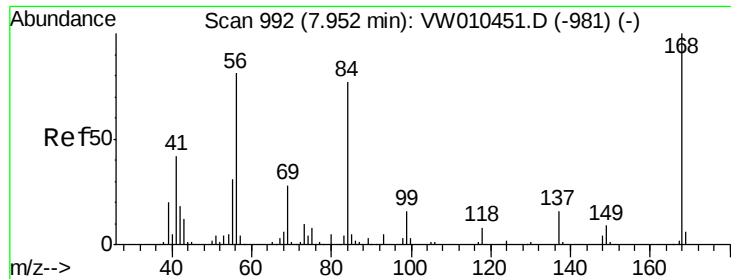
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

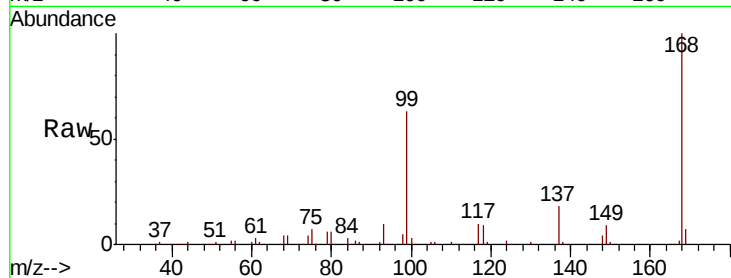
DB-1-4FT

Tot Ion:168 Resp: 117261

Ion Ratio Lower Upper

168 100

99 62.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

20000

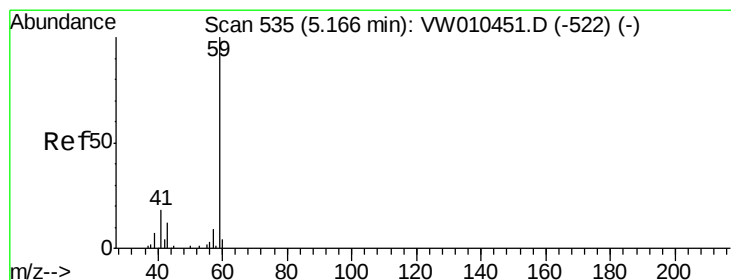
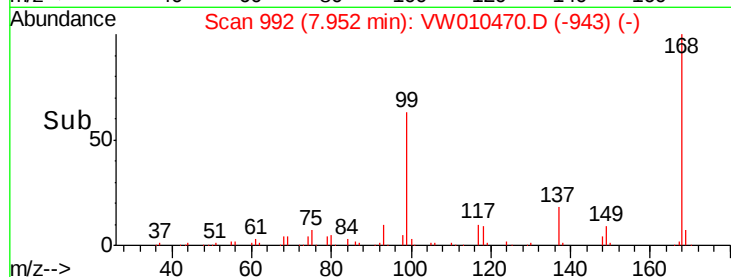
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.784 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW010470.D

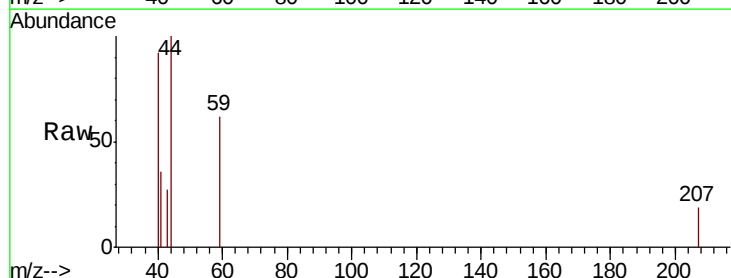
Acq: 21 May 2019 01:54

Tgt Ion: 59 Resp: 412

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

200

150

100

50

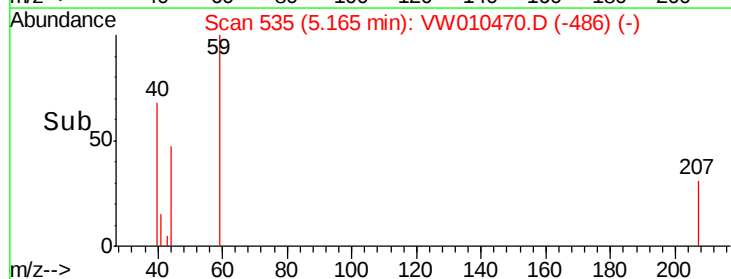
0

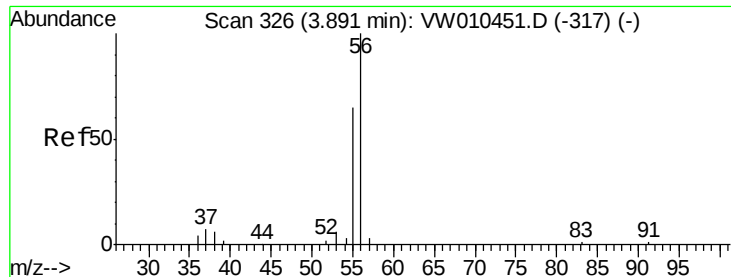
5.10

5.15

5.20

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

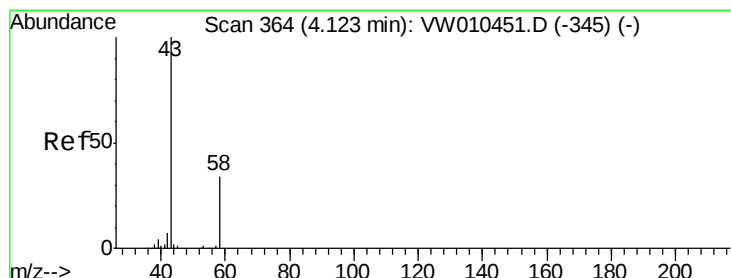
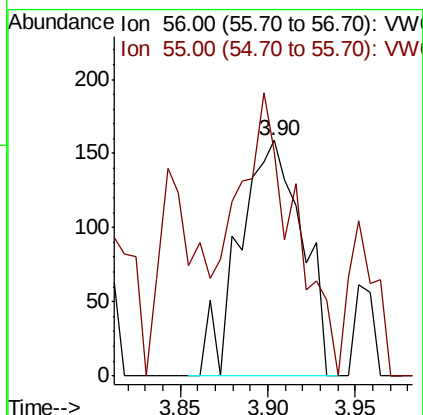
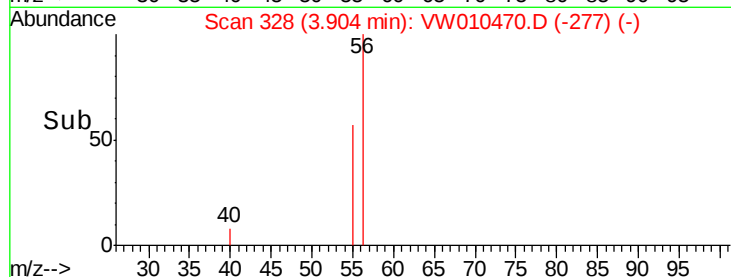
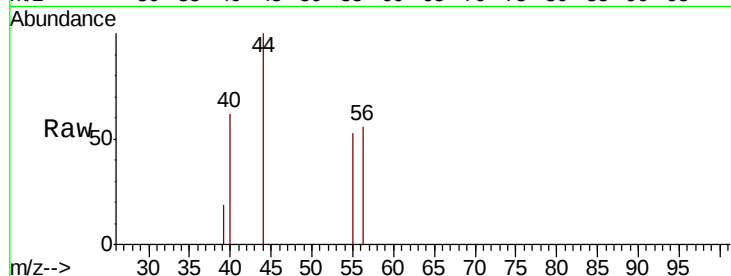
DB-1-4FT

Tot Ion: 56 Resp: 395

Ion Ratio Lower Upper

56 100

55 110.9 57.9 86.9#



#16

Acetone

Concen: 188.306 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010470.D

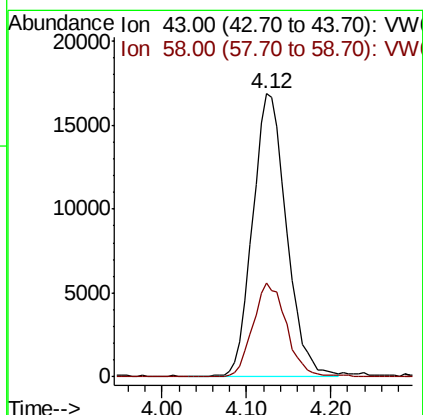
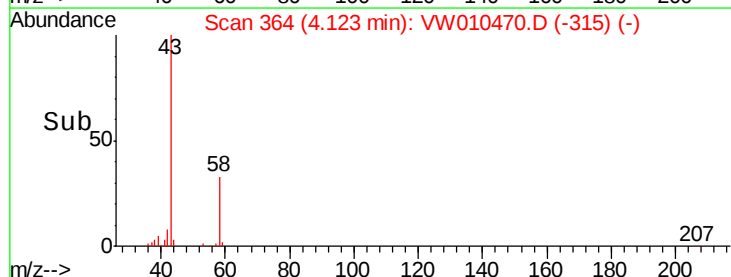
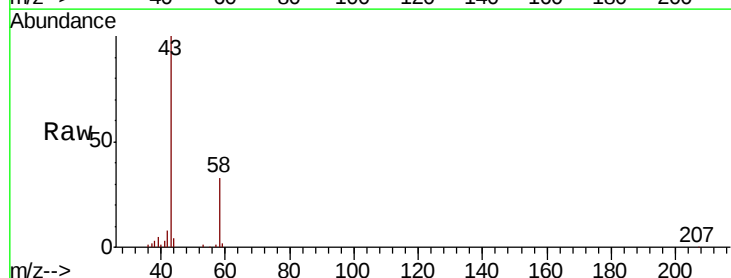
Acq: 21 May 2019 01:54

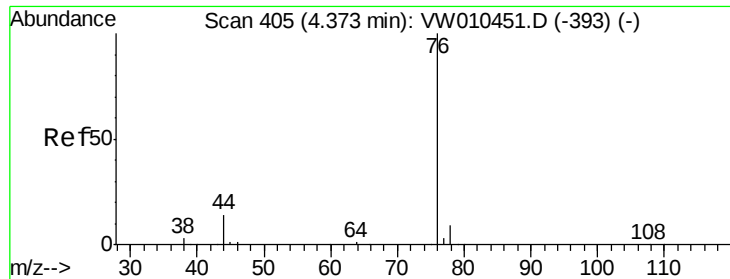
Tgt Ion: 43 Resp: 46522

Ion Ratio Lower Upper

43 100

58 33.1 27.0 40.4

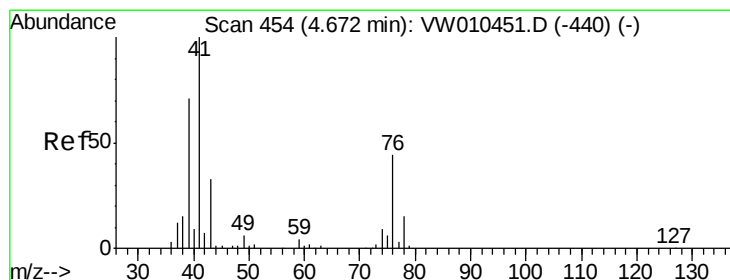
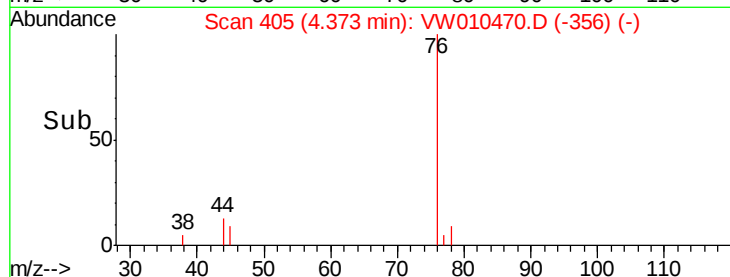
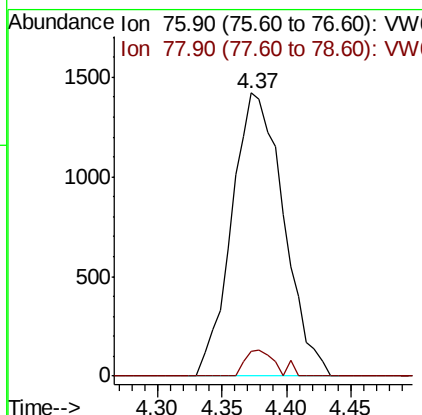
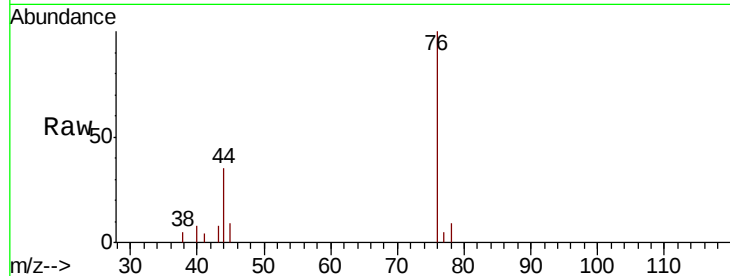




#17
Carbon Disulfide
Concen: 1.075 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

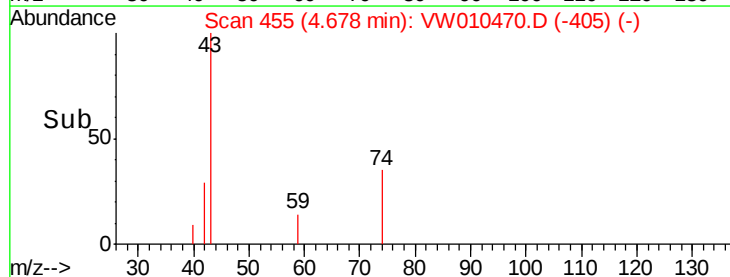
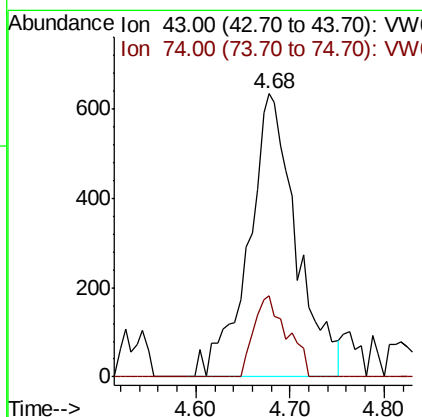
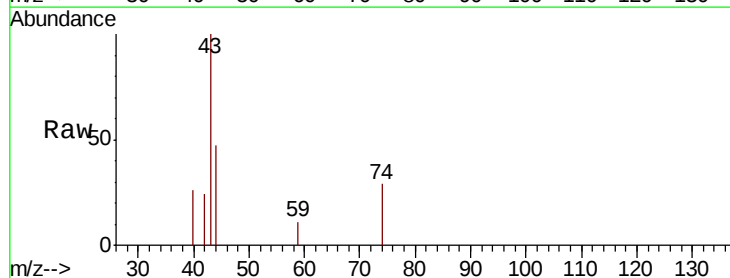
Instrument :
MSVOA_W
ClientSampled :
DB-1-4FT

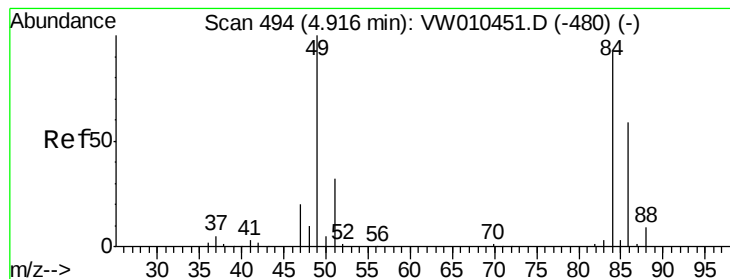
Tot Ion: 76 Resp: 3971
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 3.720 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

Tgt Ion: 43 Resp: 2248
Ion Ratio Lower Upper
43 100
74 20.1 21.6 32.4#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

DB-1-4FT

Tot Ion: 84 Resp: 4193

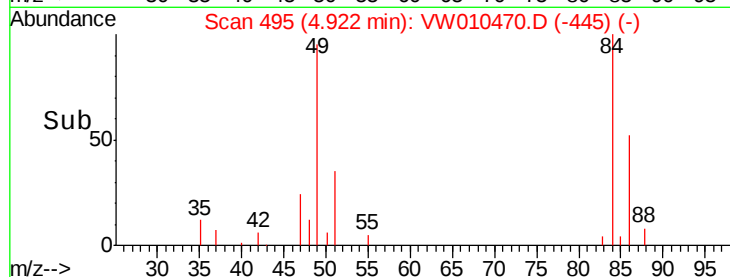
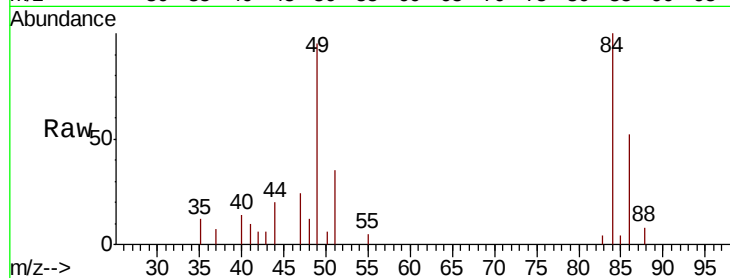
Ion Ratio Lower Upper

84 100

49 95.0 87.2 130.8

51 35.2 27.7 41.5

86 51.7 51.4 77.0

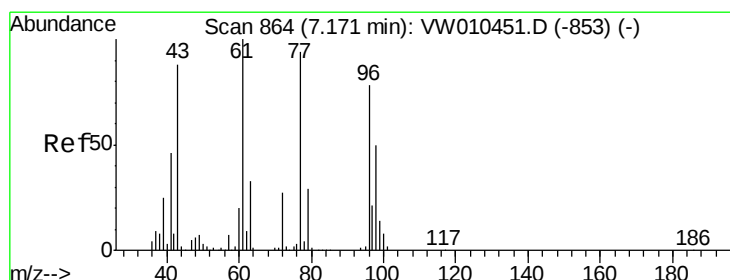
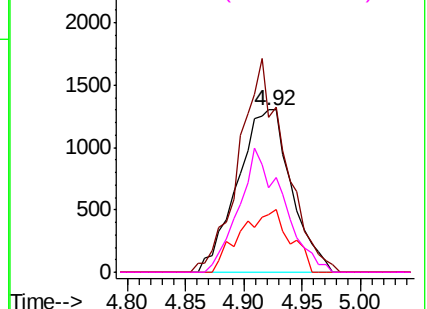


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 22.285 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010470.D

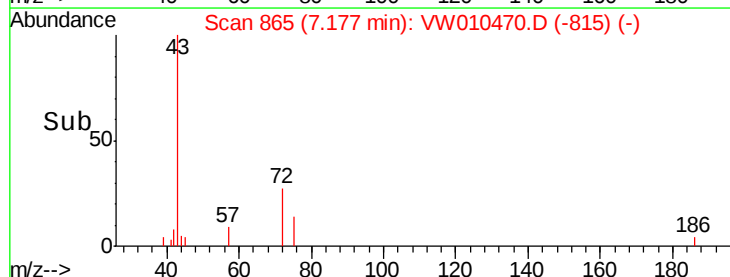
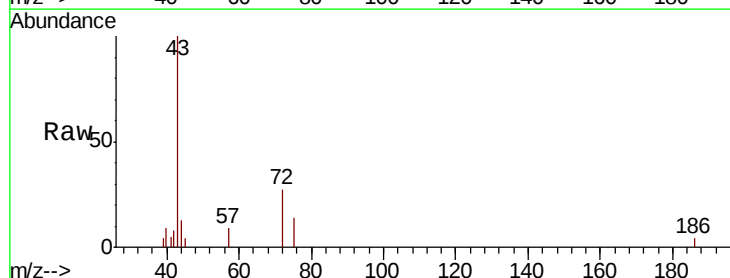
Acq: 21 May 2019 01:54

Tgt Ion: 43 Resp: 7879

Ion Ratio Lower Upper

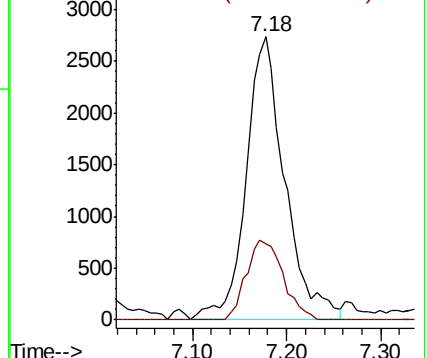
43 100

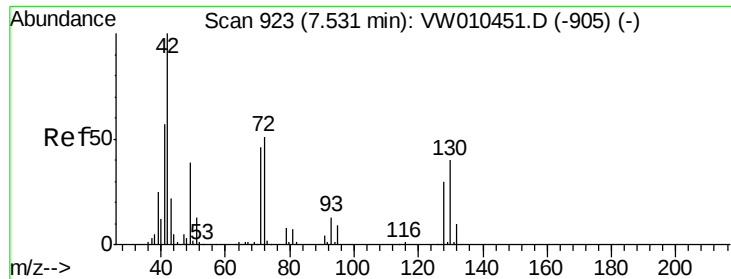
72 26.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

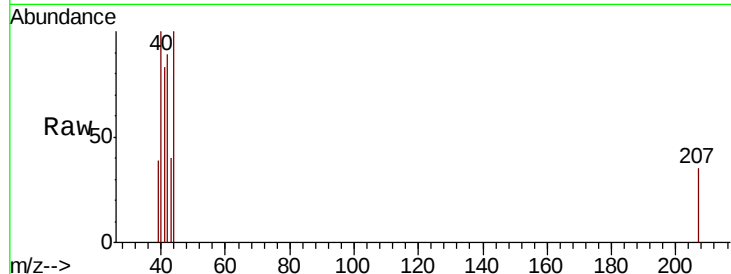




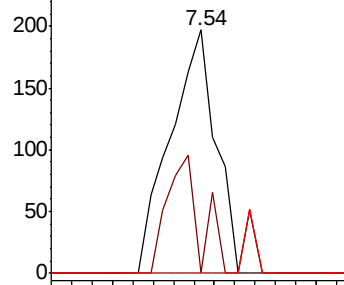
#29
Tetrahydrofuran
Concen: 1.354 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

Instrument :
MSVOA_W
ClientSampled :
DB-1-4FT

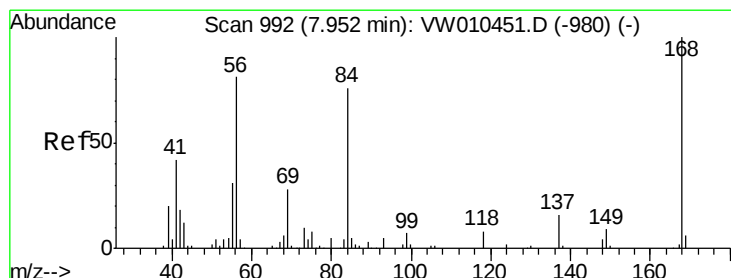
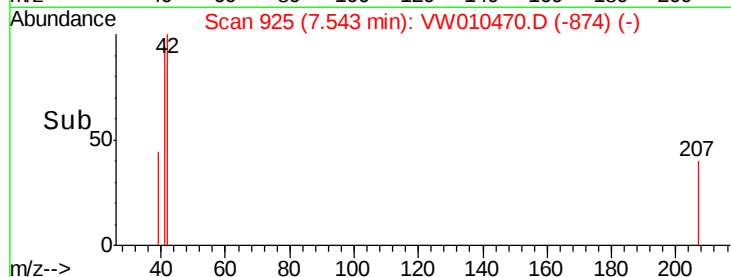
Tot Ion: 42 Resp: 324
Ion Ratio Lower Upper
42 100
72 33.0 38.5 57.7#
71 0.0 36.5 54.7#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

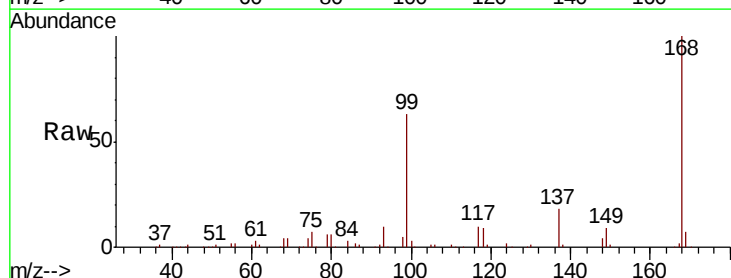


Time-->

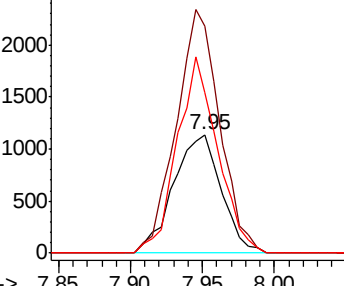


#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

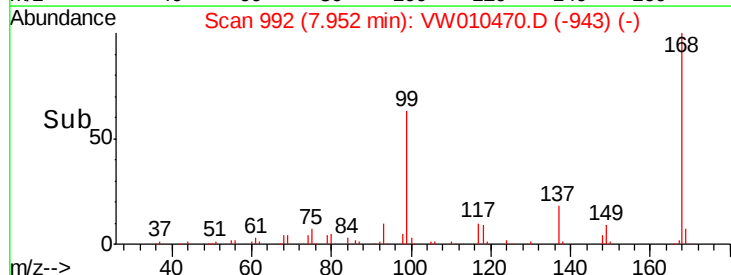
Tgt Ion: 56 Resp: 2614
Ion Ratio Lower Upper
56 100
69 190.9 28.2 42.2#
84 135.2 75.8 113.8#

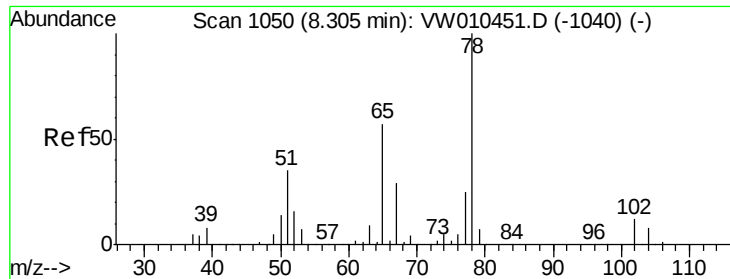


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->

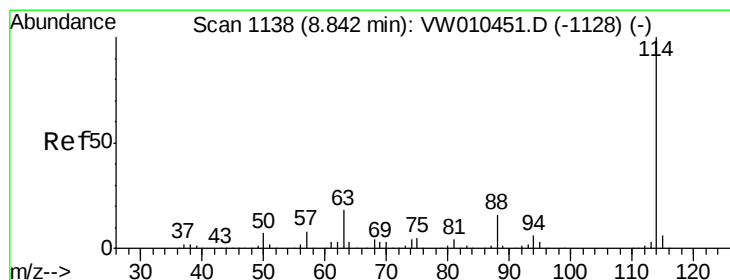
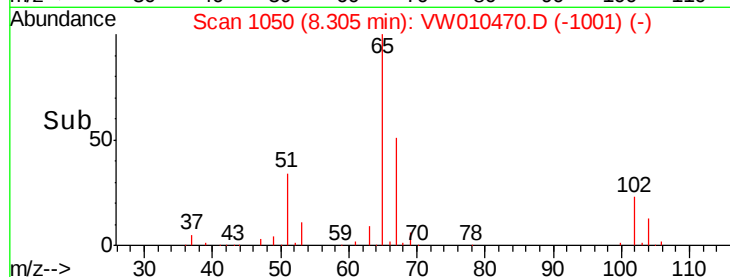
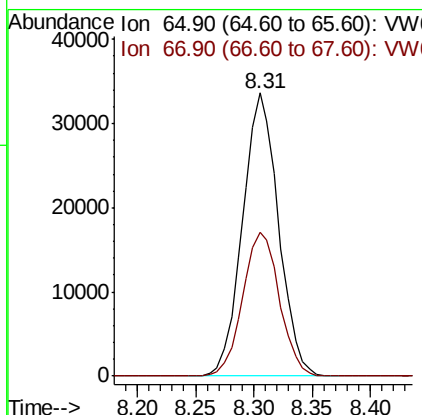
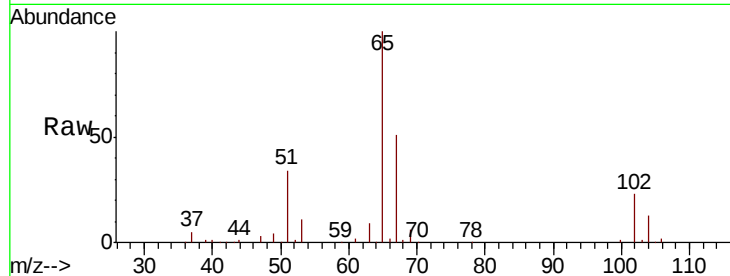




#33
 1,2-Dichloroethane-d4
 Concen: 59.557 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010470.D
 Acq: 21 May 2019 01:54

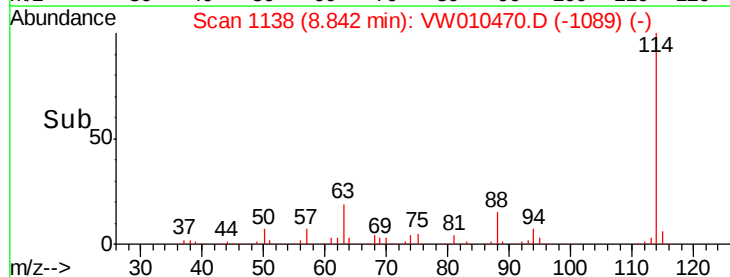
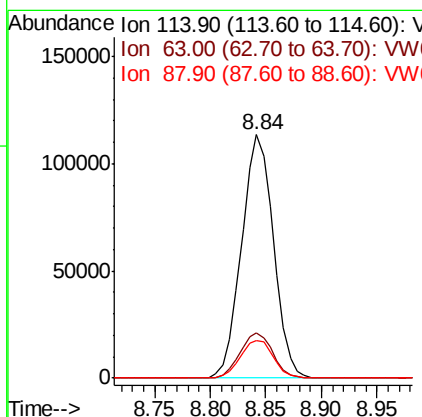
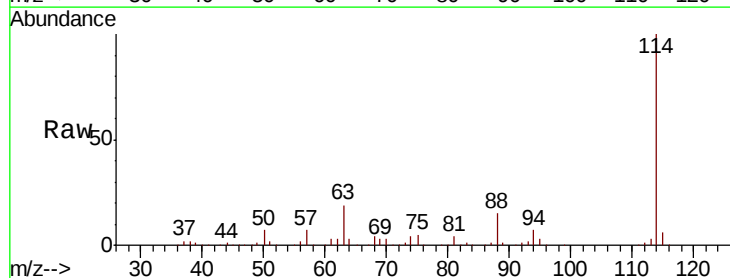
Instrument :
 MSVOA_W
 ClientSampleId :
 DB-1-4FT

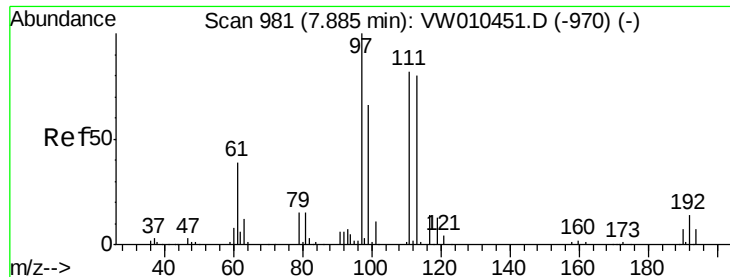
Tot Ion: 65 Resp: 72084
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010470.D
 Acq: 21 May 2019 01:54

Tgt Ion: 114 Resp: 225971
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.0
 88 15.4 0.0 32.0

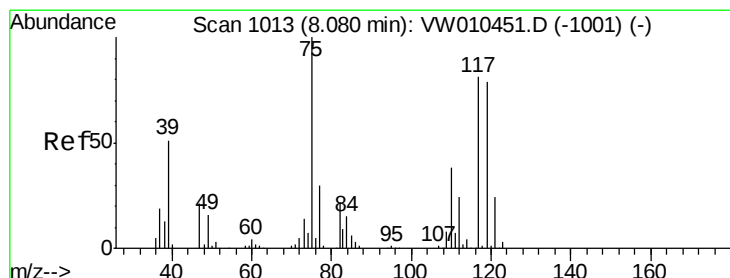
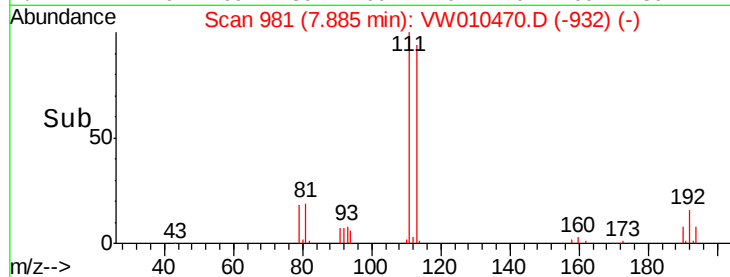
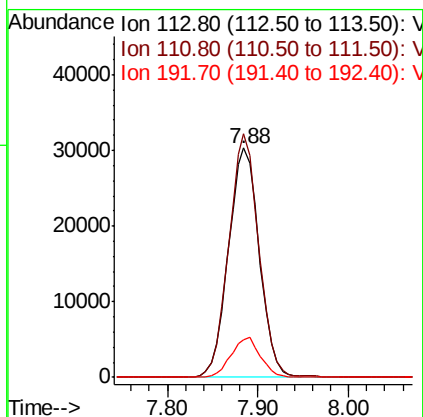
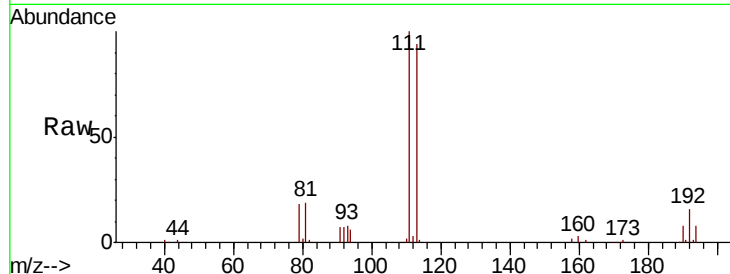




#35
 Dibromofluoromethane
 Concen: 52.068 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010470.D
 Acq: 21 May 2019 01:54

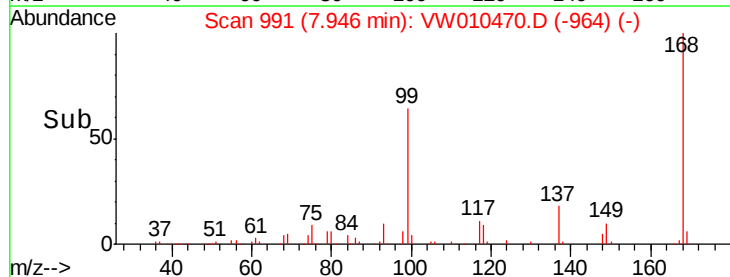
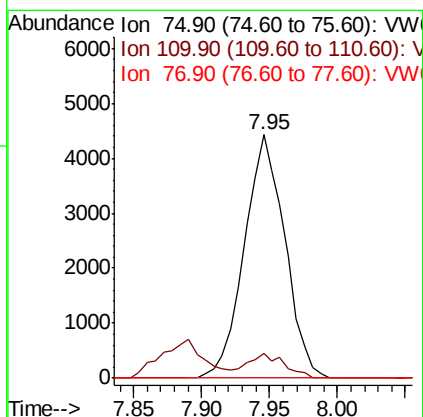
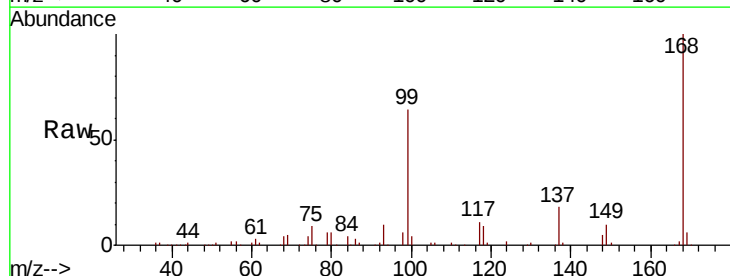
Instrument :
 MSVOA_W
 ClientSampleId :
 DB-1-4FT

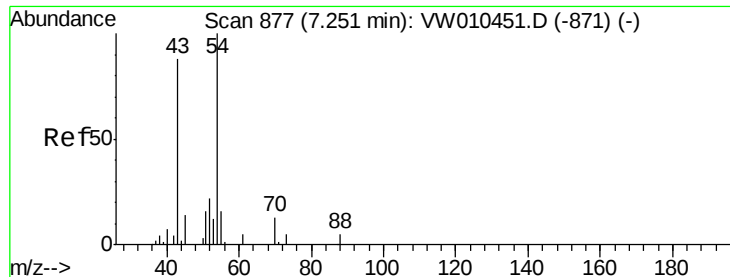
Tot Ion:113 Resp: 71393
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 16.6 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.385 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010470.D
 Acq: 21 May 2019 01:54

Tgt Ion: 75 Resp: 9230
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.2 57.6#
 77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 8.802 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

DB-1-4FT

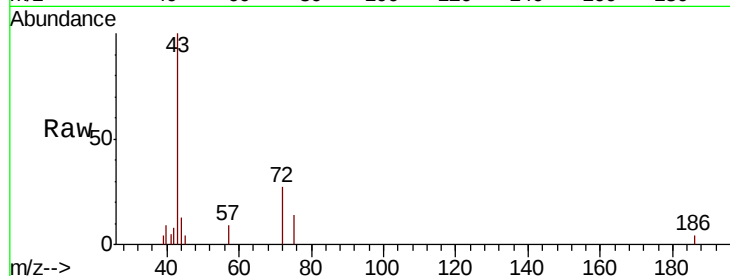
Tot Ion: 43 Resp: 7879

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

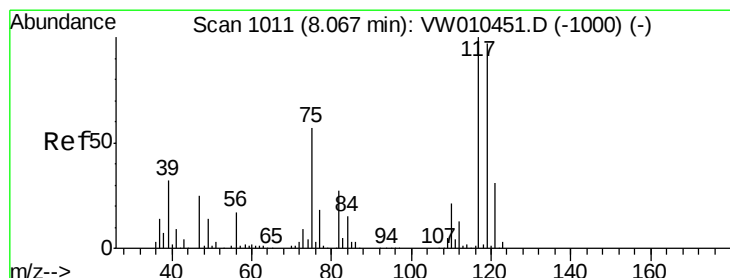
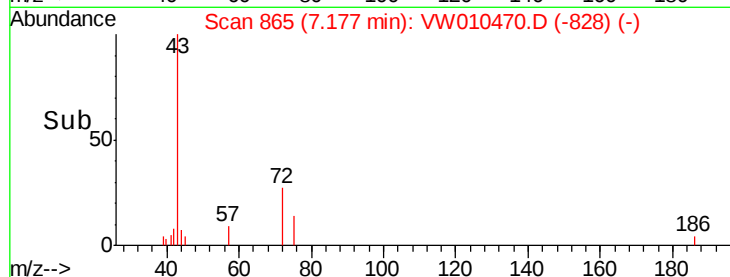
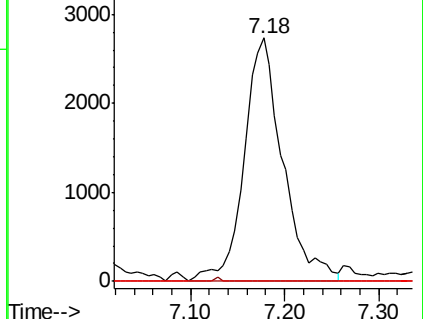
70 0.0 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.434 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

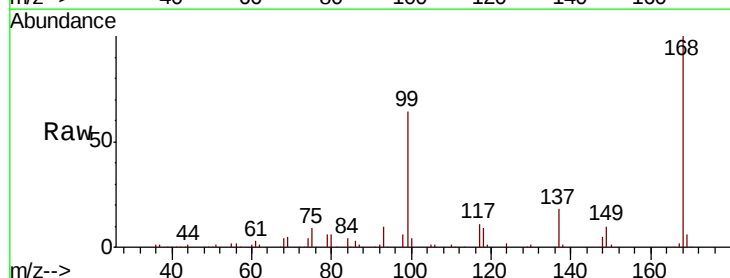
Tgt Ion: 117 Resp: 12340

Ion Ratio Lower Upper

117 100

119 6.1 77.4 116.0#

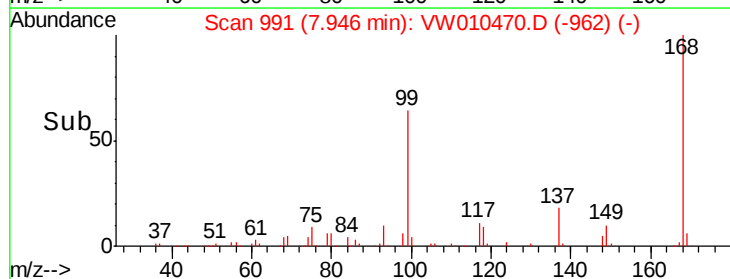
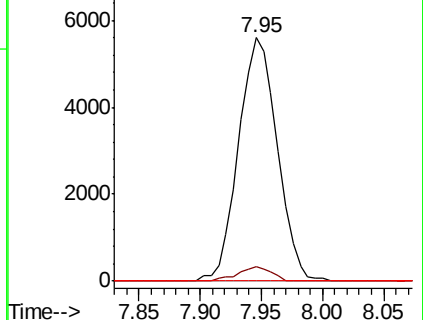
121 0.0 25.0 37.6#

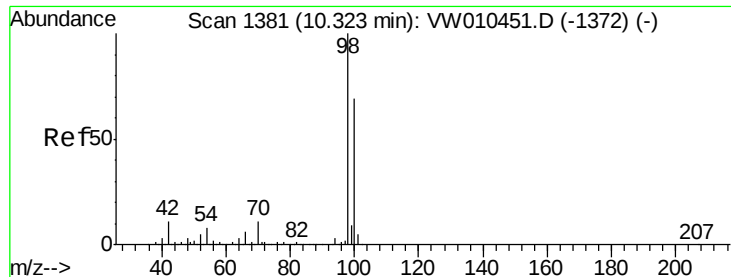


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

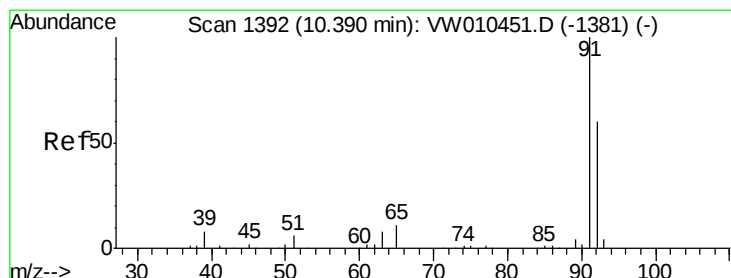
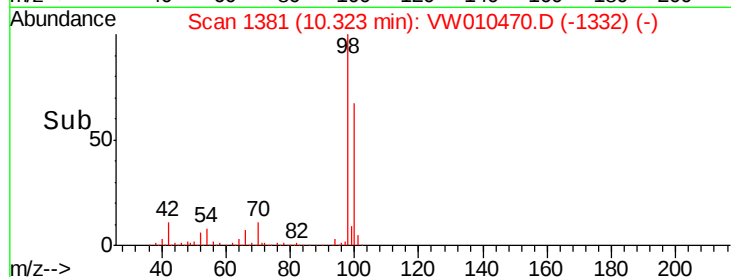
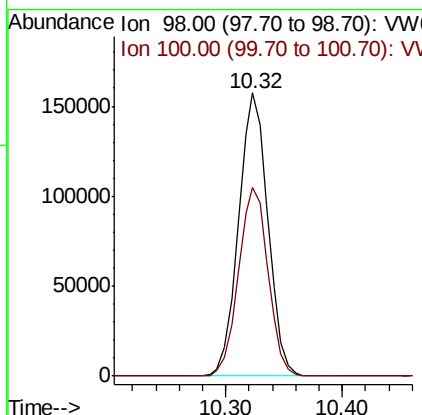
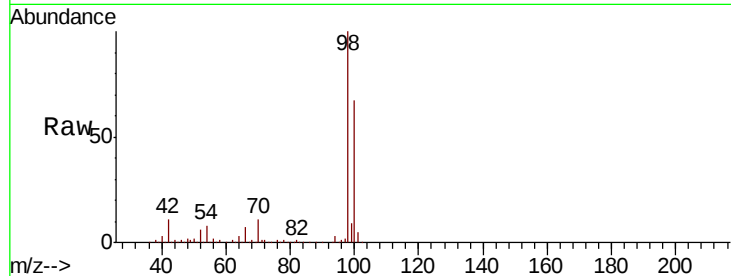




#50
Toluene-d8
Concen: 52.636 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

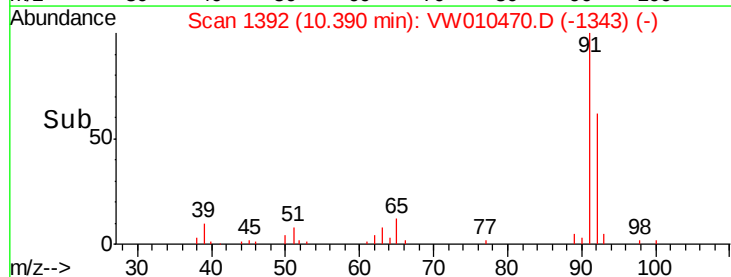
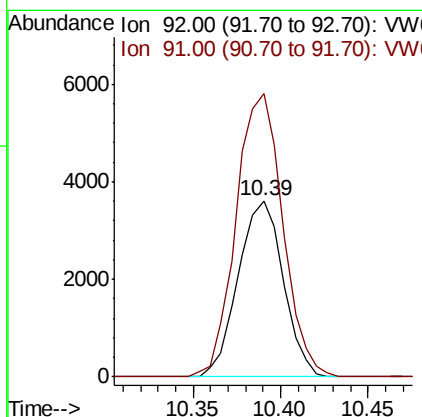
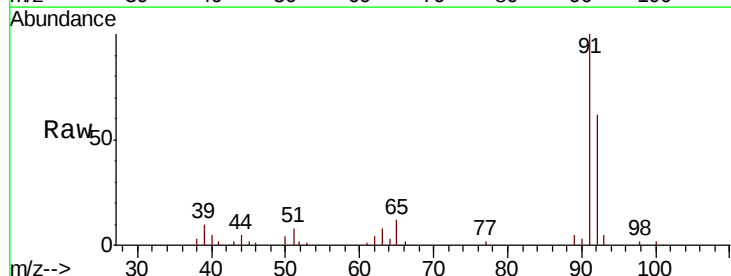
Instrument :
MSVOA_W
ClientSampleId :
DB-1-4FT

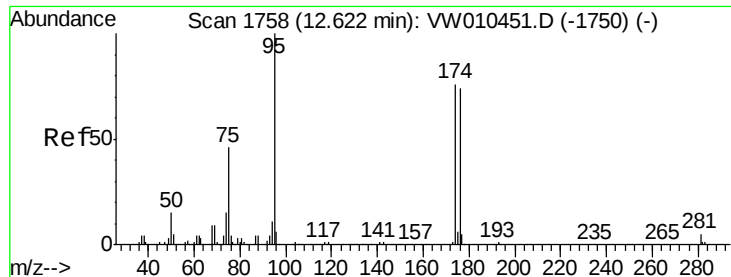
Tot Ion: 98 Resp: 275711
Ion Ratio Lower Upper
98 100
100 67.3 53.7 80.5



#52
Toluene
Concen: 1.647 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

Tgt Ion: 92 Resp: 6471
Ion Ratio Lower Upper
92 100
91 166.6 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 48.452 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

DB-1-4FT

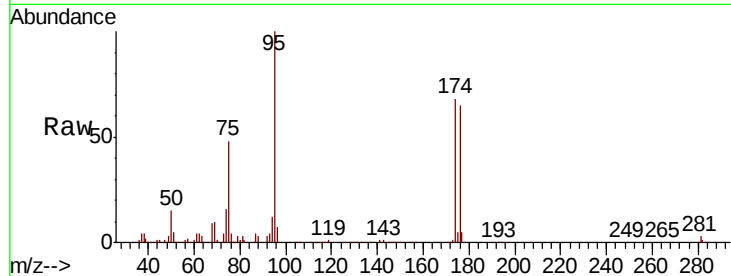
Tot Ion: 95 Resp: 101092

Ion Ratio Lower Upper

95 100

174 68.0 0.0 148.6

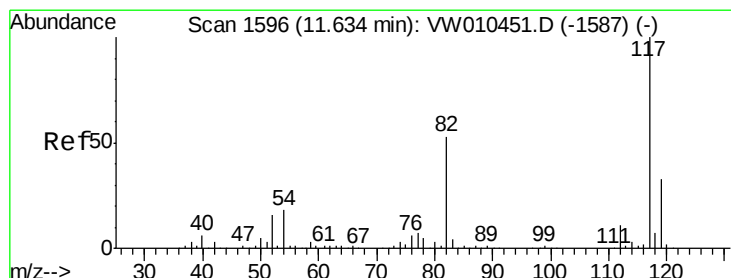
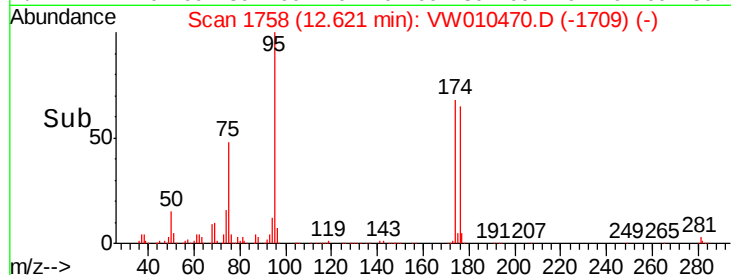
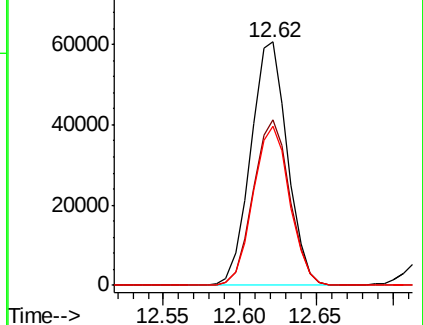
176 65.2 0.0 144.2



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. -0.00 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

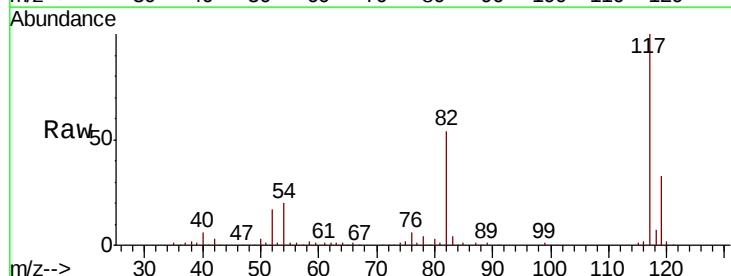
Tgt Ion: 117 Resp: 195869

Ion Ratio Lower Upper

117 100

82 54.3 42.8 64.2

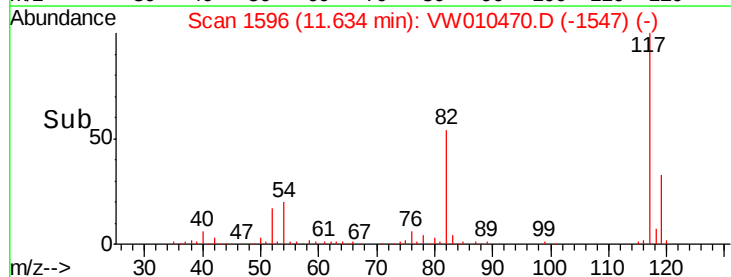
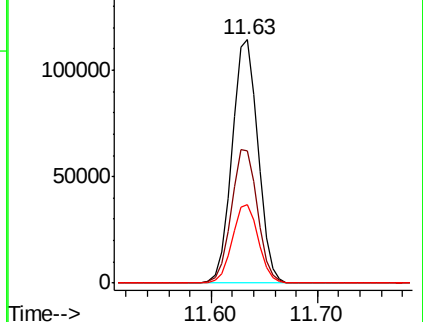
119 32.5 26.3 39.5

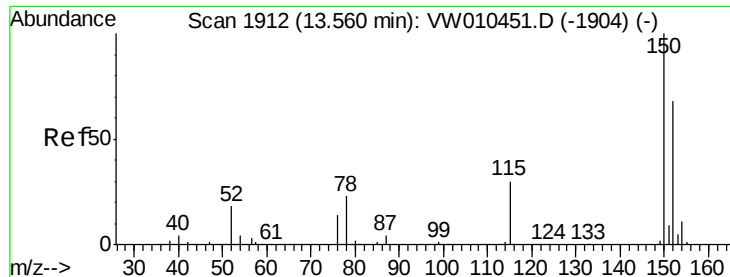


Abundance Ion 116.90 (116.60 to 117.60): VW

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. -0.00 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

DB-1-4FT

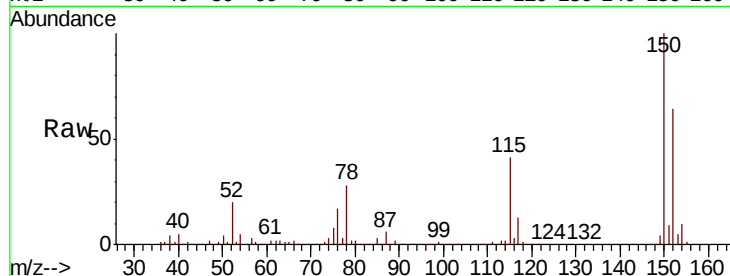
Tot Ion:152 Resp: 85494

Ion Ratio Lower Upper

152 100

115 63.7 30.3 91.0

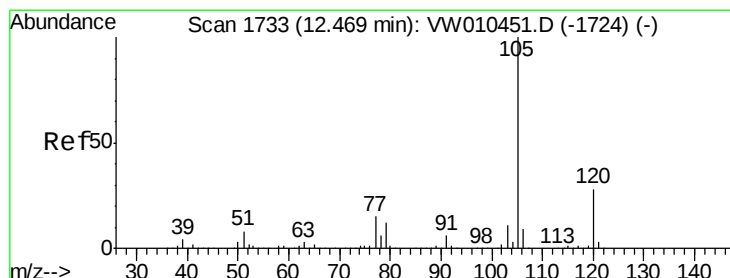
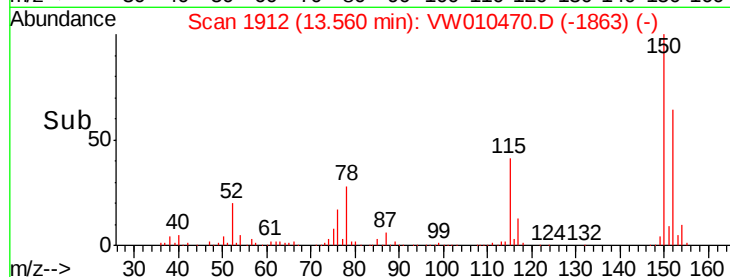
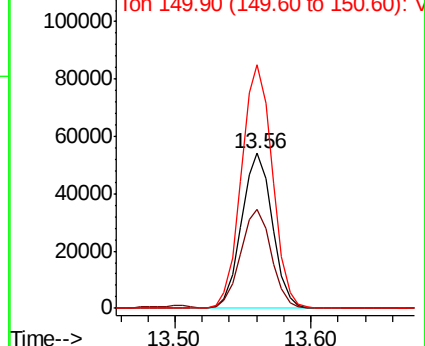
150 158.2 0.0 349.8



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



#73

Isopropylbenzene

Concen: 1.596 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW010470.D

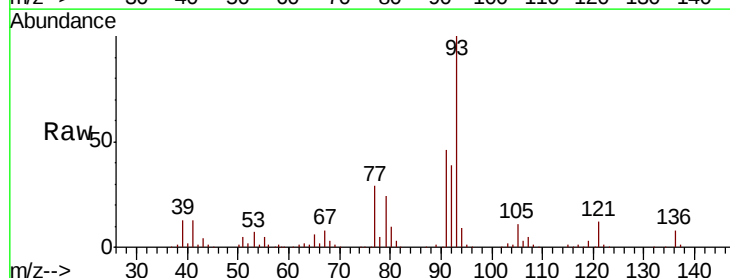
Acq: 21 May 2019 01:54

Tgt Ion:105 Resp: 10829

Ion Ratio Lower Upper

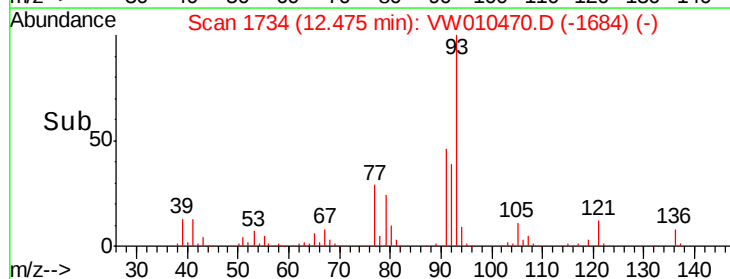
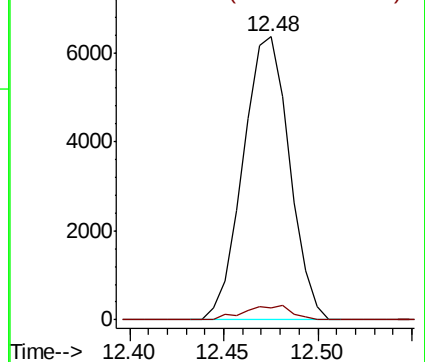
105 100

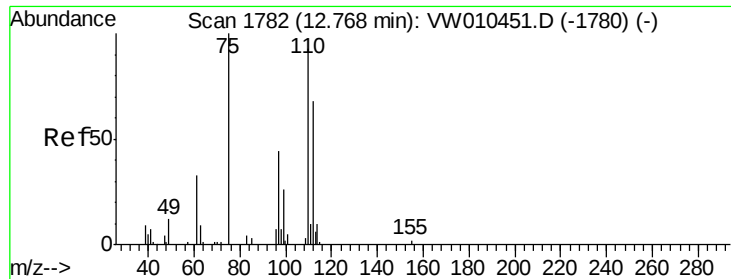
120 5.2 13.9 41.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

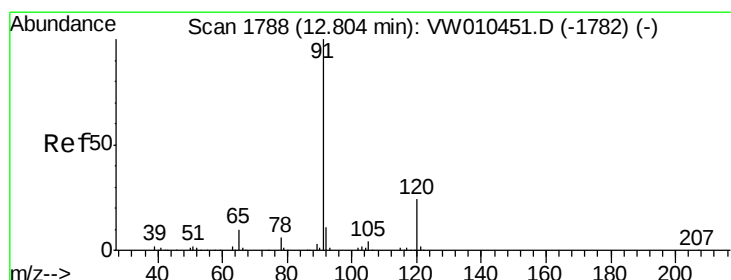
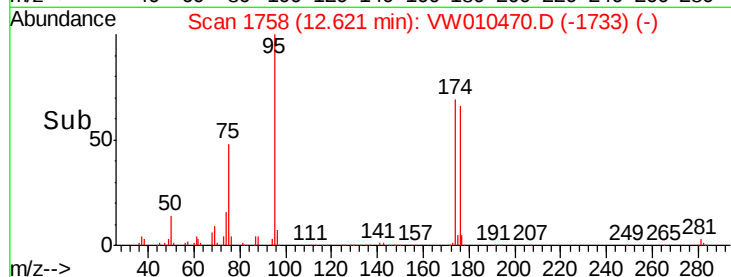
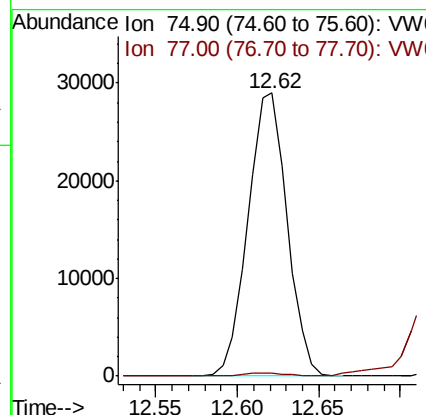
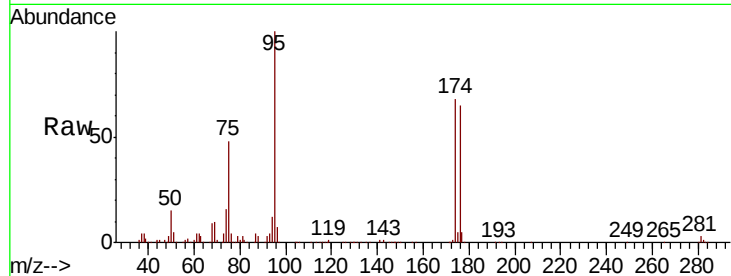




#76
 1,2,3-Trichloropropane
 Concen: 55.816 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010470.D
 Acq: 21 May 2019 01:54

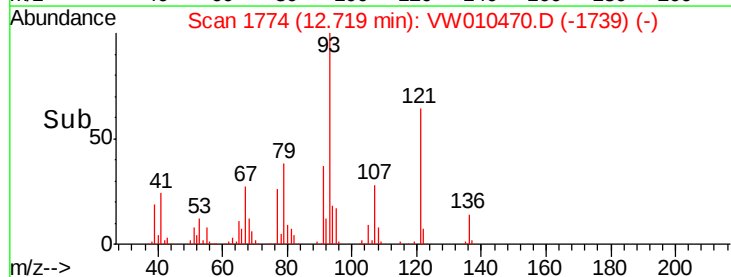
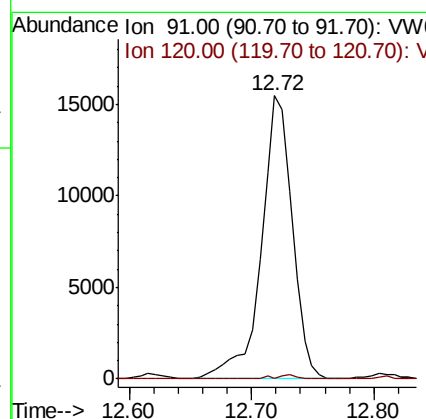
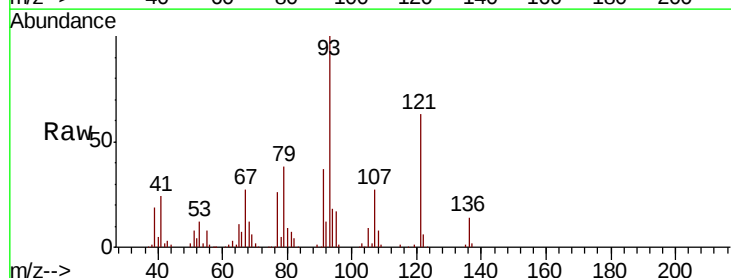
Instrument :
 MSVOA_W
 ClientSampleId :
 DB-1-4FT

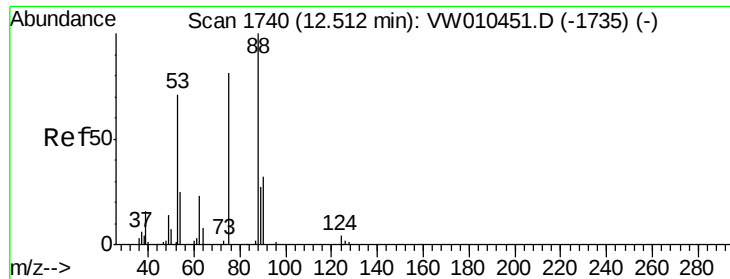
Tot Ion: 75 Resp: 48438
 Ion Ratio Lower Upper
 75 100
 77 0.0 170.0 510.1#



#78
 n-propylbenzene
 Concen: 3.465 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.09 min
 Lab File: VW010470.D
 Acq: 21 May 2019 01:54

Tgt Ion: 91 Resp: 27393
 Ion Ratio Lower Upper
 91 100
 120 0.9 12.3 36.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 116.489 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

DB-1-4FT

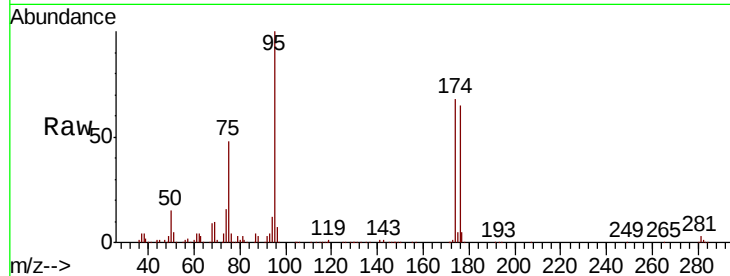
Tot Ion: 75 Resp: 48438

Ion Ratio Lower Upper

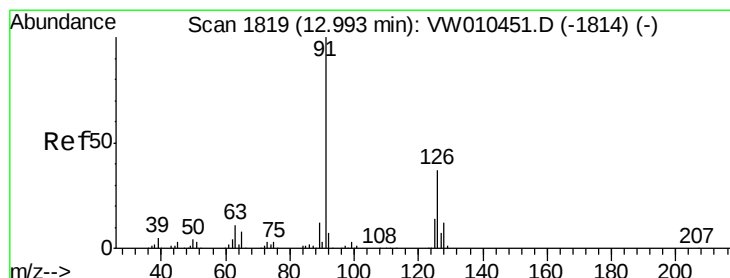
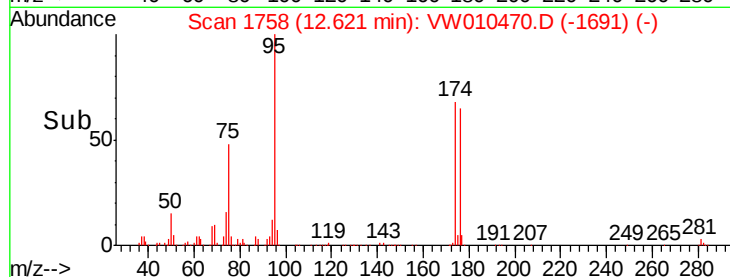
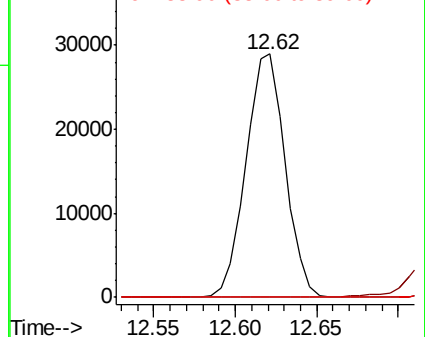
75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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



#82

4-Chlorotoluene

Concen: 3.287 ug/l

RT: 13.03 min Scan# 1825

Delta R.T. 0.04 min

Lab File: VW010470.D

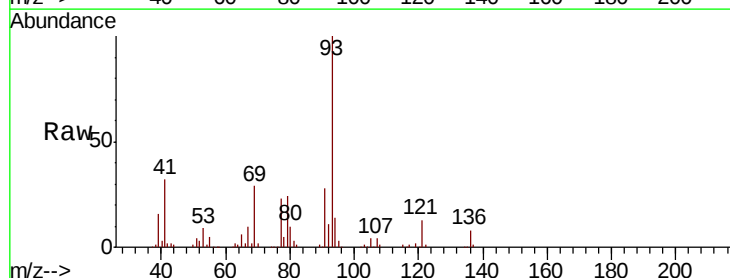
Acq: 21 May 2019 01:54

Tgt Ion: 91 Resp: 15645

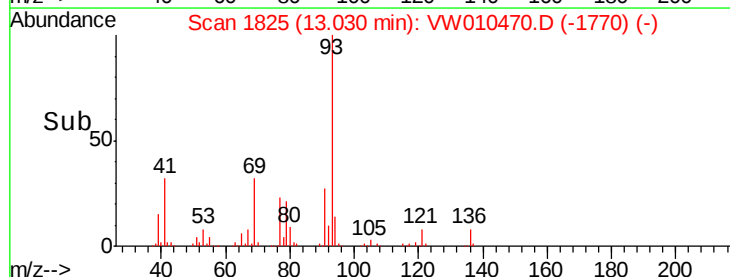
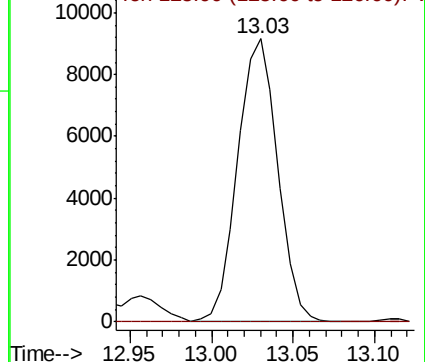
Ion Ratio Lower Upper

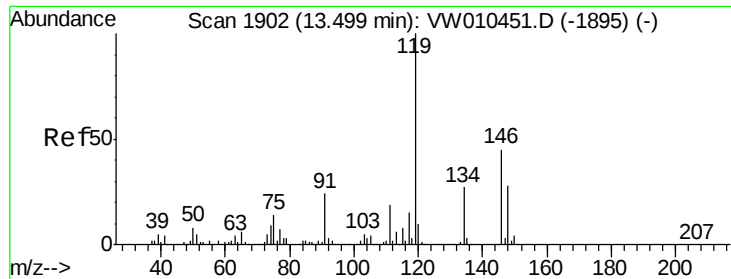
91 100

126 0.0 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





#86
 p-Isopropyltoluene
 Concen: 3.065 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010470.D
 Acq: 21 May 2019 01:54

Instrument :
 MSVOA_W
 ClientSampleId :
 DB-1-4FT

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	0.0	11.9	35.7

