

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010620.D
 Acq On : 30 May 2019 17:48
 Operator : SY/VA
 Sample : K3097-09
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0429-HR-9(HACKENSACK)

Quant Time: May 31 07:45:40 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	20481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	33829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	29839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11907	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	11131	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	7.88	113	10430	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	10.32	98	41024	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.62	95	14203	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	

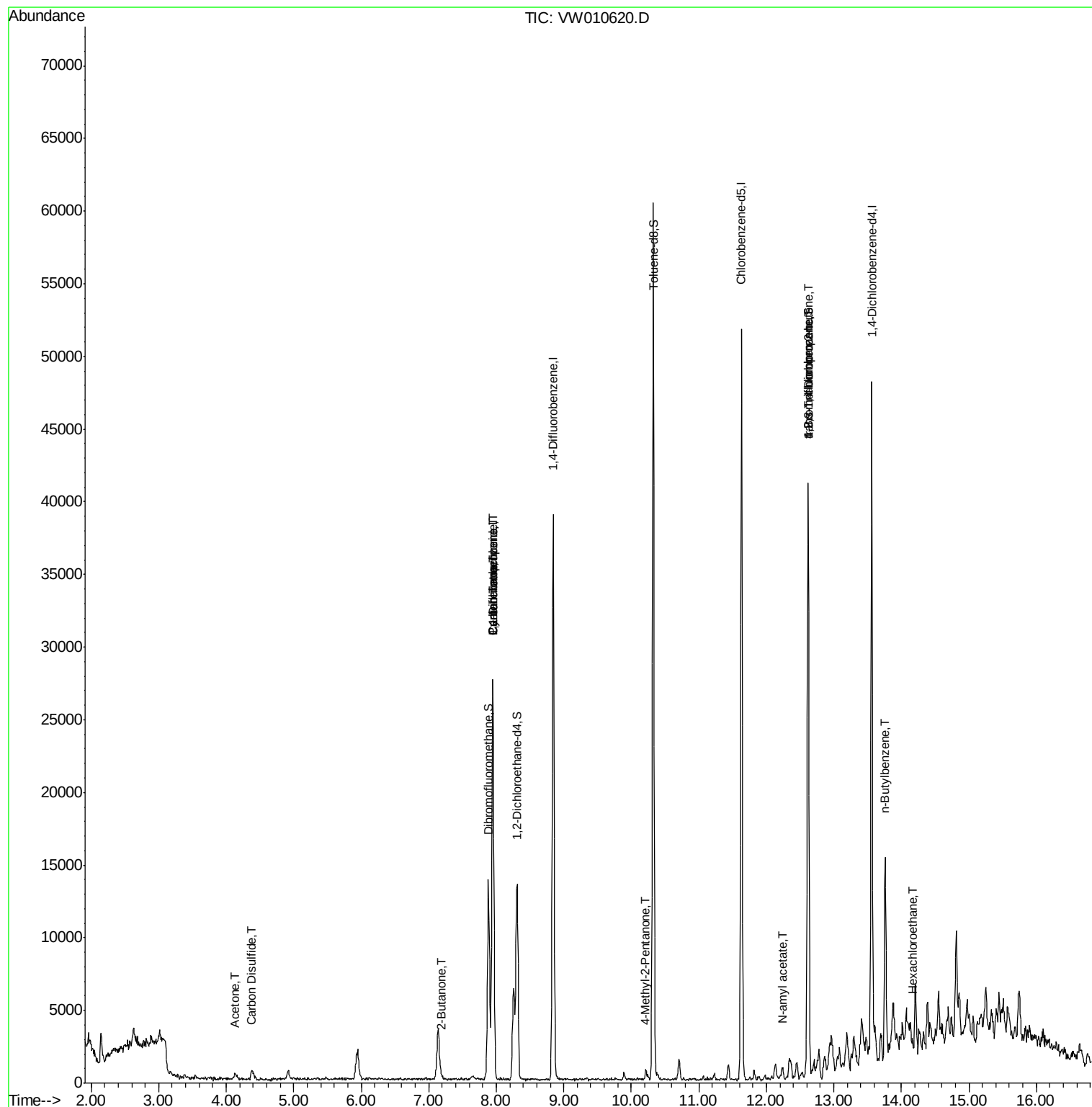
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	23	Below Cal	#	42
16) Acetone	4.13	43	924	21.413	ug/l #	78
17) Carbon Disulfide	4.38	76	1132	1.754	ug/l #	75
20) Methylene Chloride	4.91	84	225	Below Cal	#	48
25) 2-Butanone	7.19	43	108	1.749	ug/l #	45
31) Cyclohexane	7.95	56	409	1.019	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	1463	4.642	ug/l #	43
38) Carbon Tetrachloride	7.95	117	2097	6.169	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	535	3.944	ug/l #	79
74) N-amyl acetate	12.24	43	225	1.039	ug/l #	60
76) 1,2,3-Trichloropropane	12.62	75	6576	54.408	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	6576	113.552	ug/l #	14
89) n-Butylbenzene	13.77	91	1140	1.354	ug/l #	37
90) Hexachloroethane	14.16	117	593	3.460	ug/l #	15

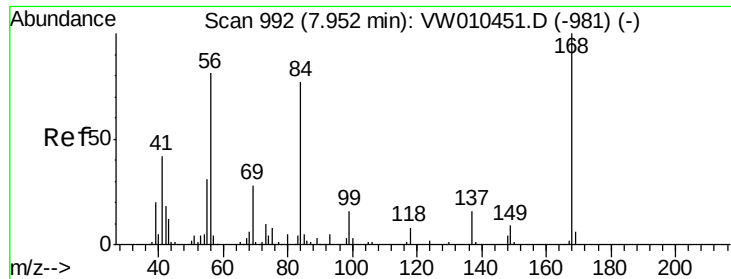
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

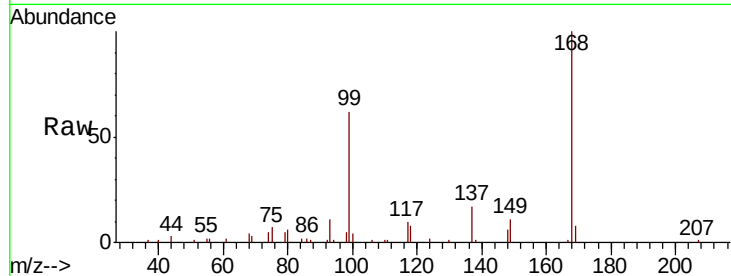
Instrument :
MSVOA_W
ClientSampleId :
0429-HR-9(HACKENSACK)

Tot Ion:168 Resp: 20481

Ion Ratio Lower Upper

168 100

99 61.6 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

10000

8000

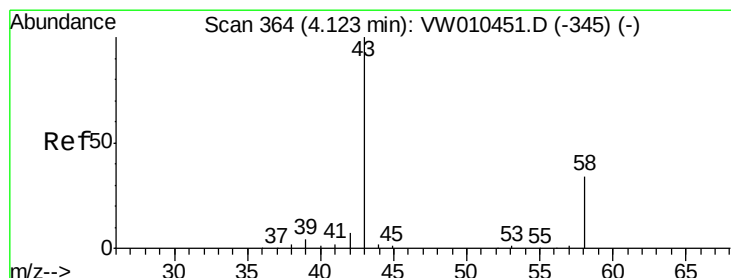
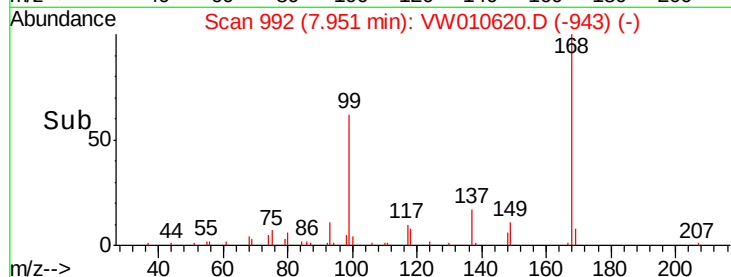
6000

4000

2000

0

Time-->



#16

Acetone

Concen: 21.413 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010620.D

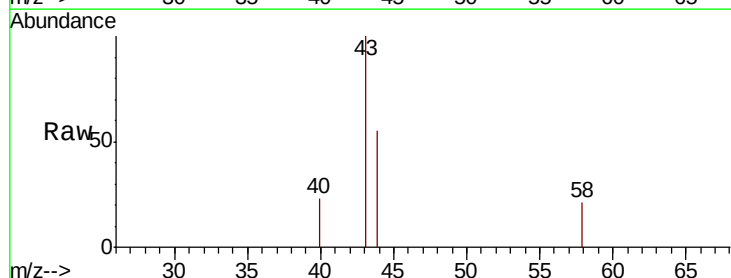
Acq: 30 May 2019 17:48

Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

58 21.0 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

400

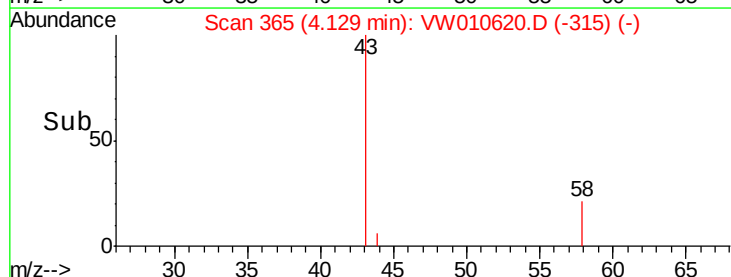
300

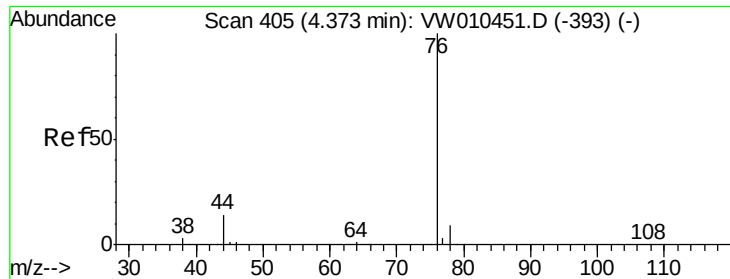
200

100

0

Time-->





#17

Carbon Disulfide

Concen: 1.754 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

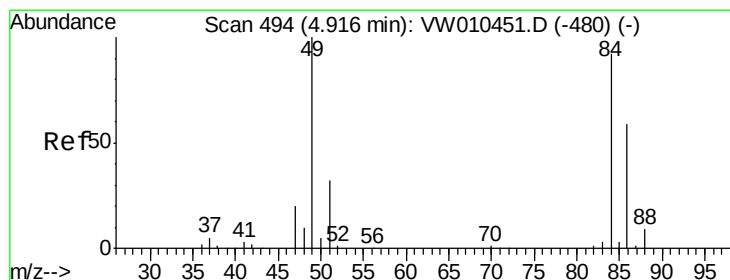
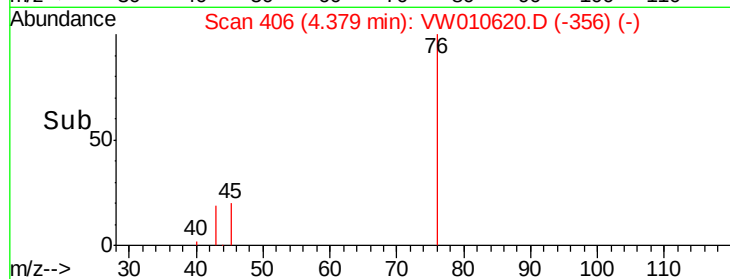
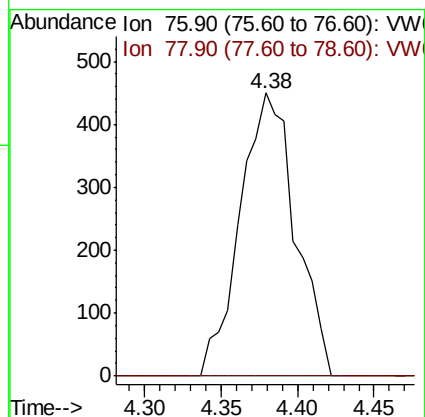
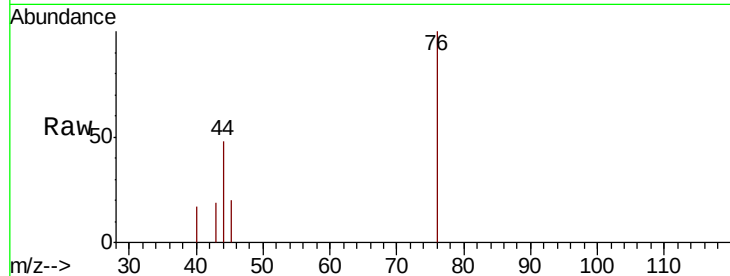
0429-HR-9(HACKENSACK)

Tot Ion: 76 Resp: 1132

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Tgt Ion: 84 Resp: 225

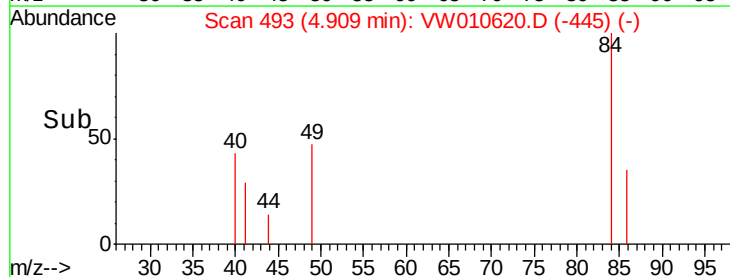
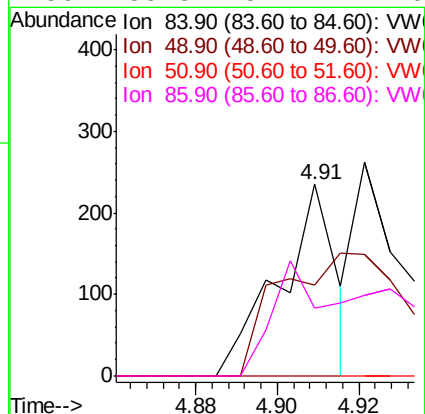
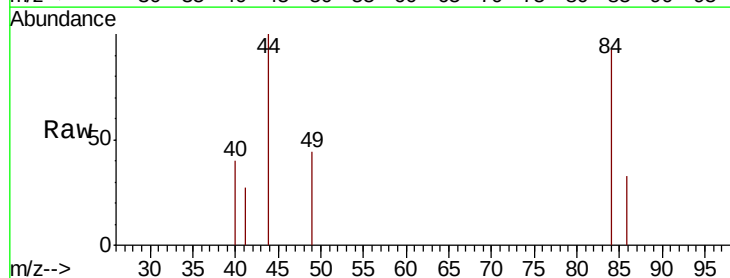
Ion Ratio Lower Upper

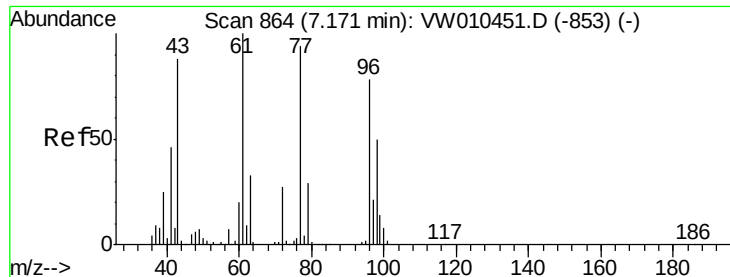
84 100

49 47.2 87.2 130.8#

51 0.0 27.7 41.5#

86 35.3 51.4 77.0#





#25

2-Butanone

Concen: 1.749 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

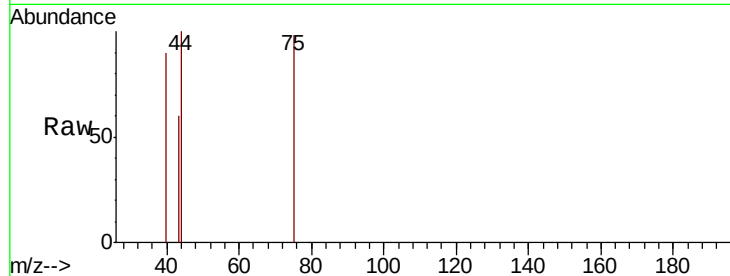
0429-HR-9(HACKENSACK)

Tot Ion: 43 Resp: 108

Ion Ratio Lower Upper

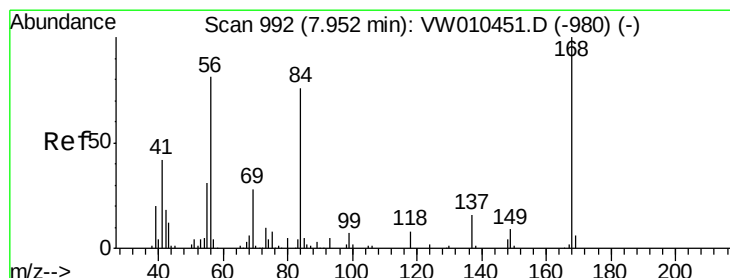
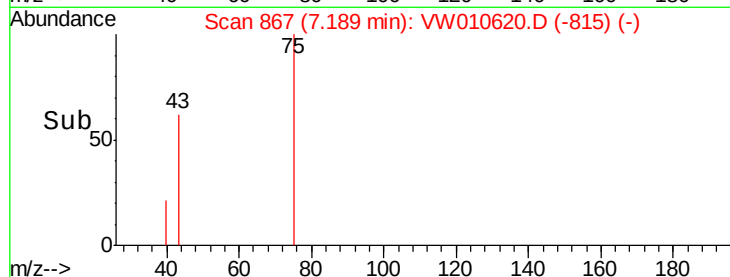
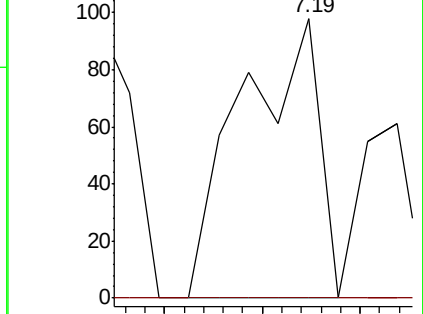
43 100

72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

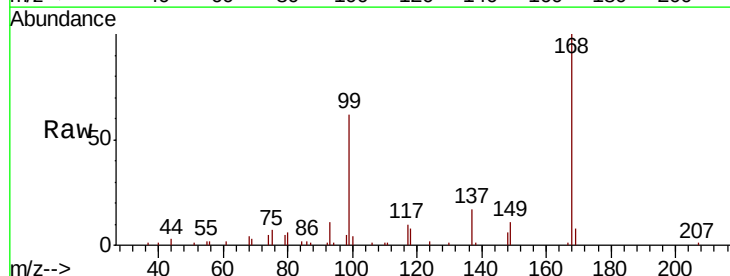
Tgt Ion: 56 Resp: 409

Ion Ratio Lower Upper

56 100

69 153.3 28.2 42.2#

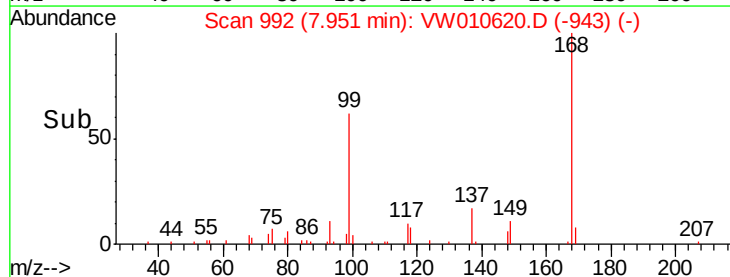
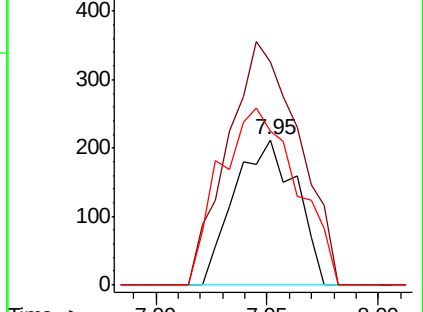
84 106.1 75.8 113.8

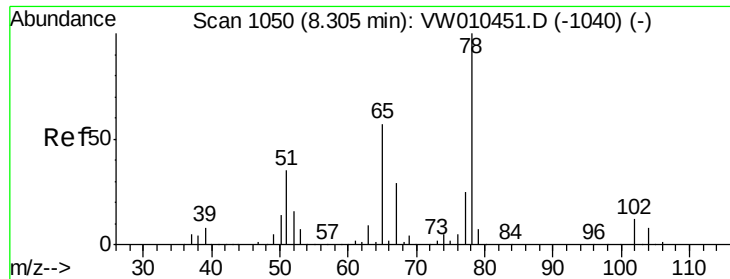


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 52.654 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

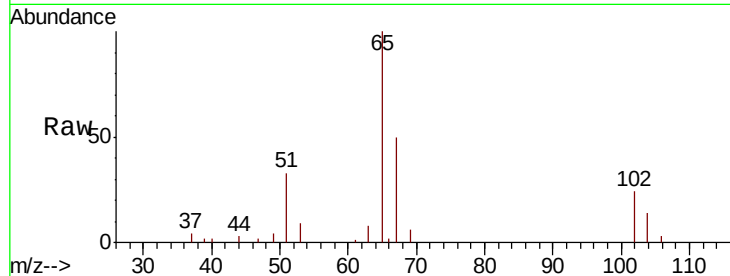
0429-HR-9(HACKENSACK)

Tot Ion: 65 Resp: 11131

Ion Ratio Lower Upper

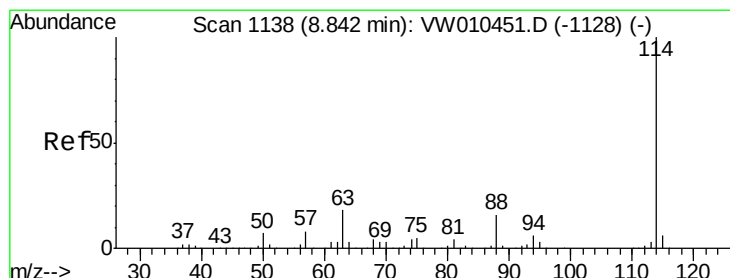
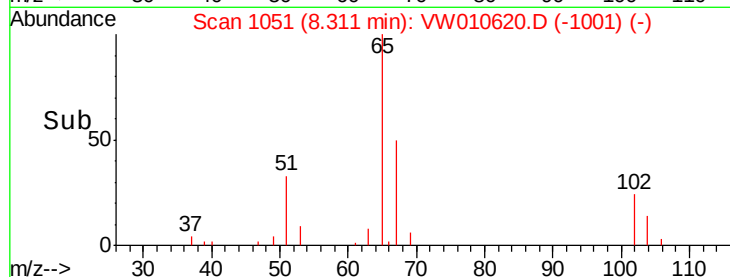
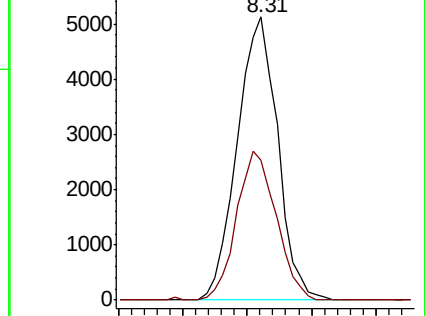
65 100

67 51.8 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: VW010620.D

Acq: 30 May 2019 17:48

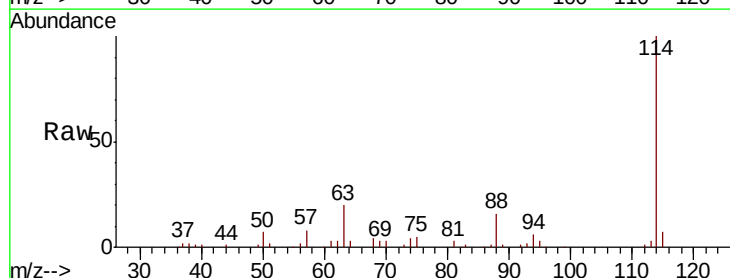
Tgt Ion: 114 Resp: 33829

Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.0

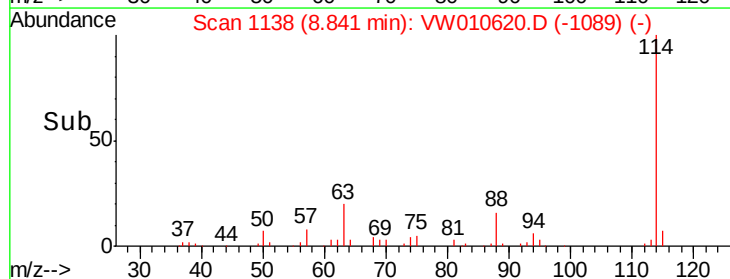
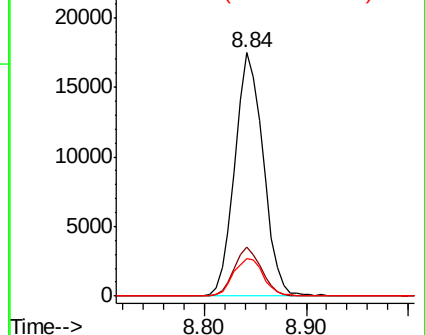
88 15.6 0.0 32.0

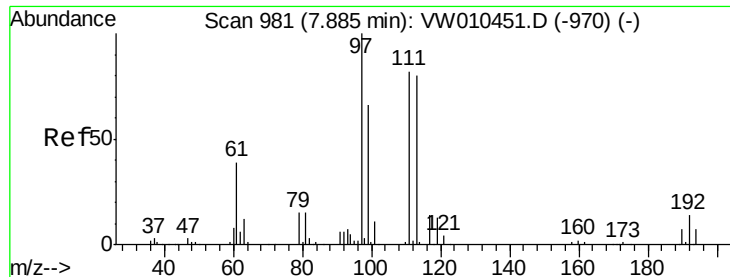


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 50.812 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
0429-HR-9(HACKENSACK)

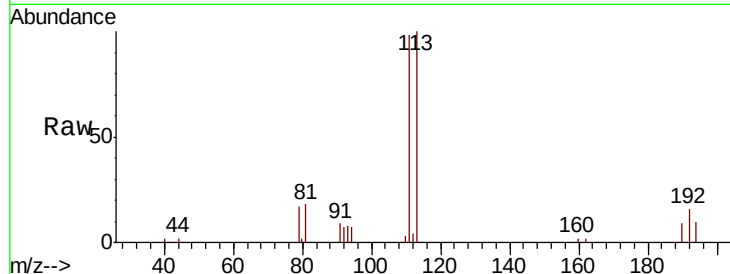
Tot Ion:113 Resp: 10430

Ion Ratio Lower Upper

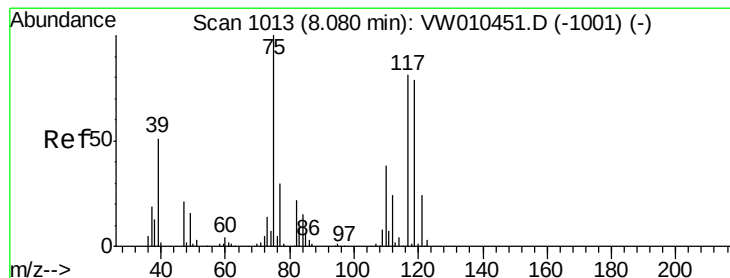
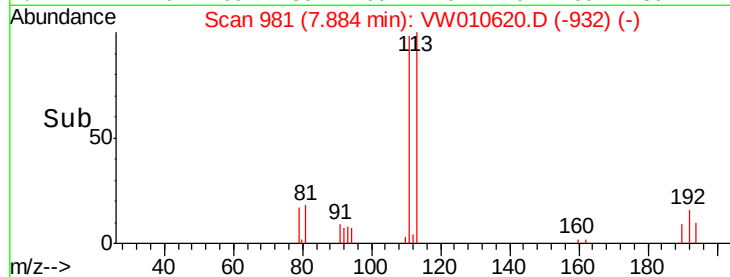
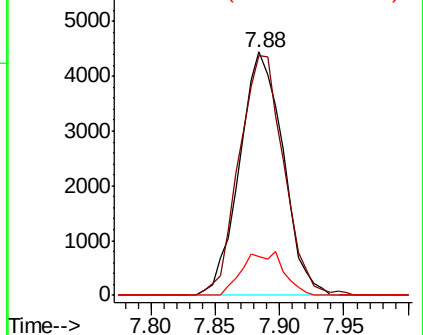
113 100

111 100.6 82.2 123.4

192 17.0 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: 4.642 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

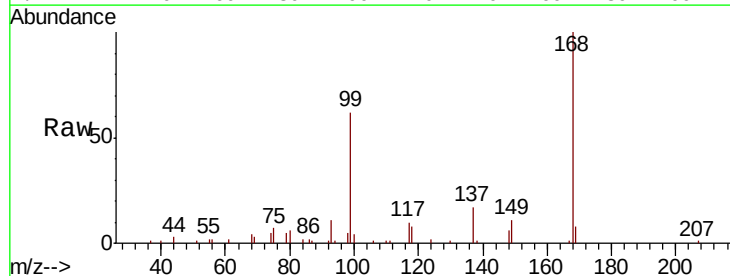
Tgt Ion: 75 Resp: 1463

Ion Ratio Lower Upper

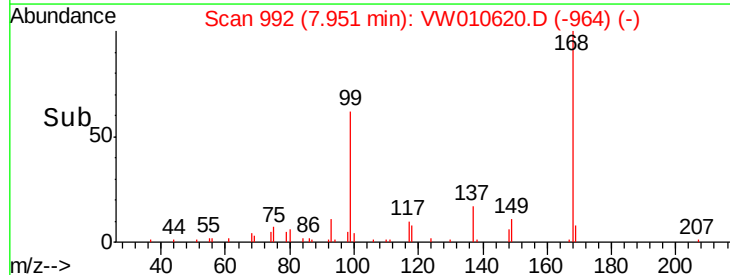
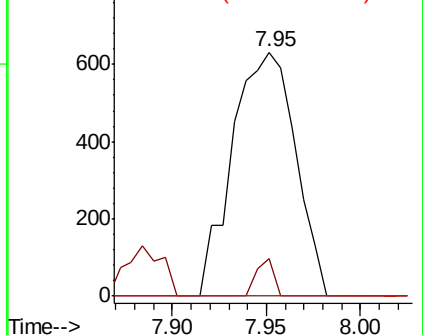
75 100

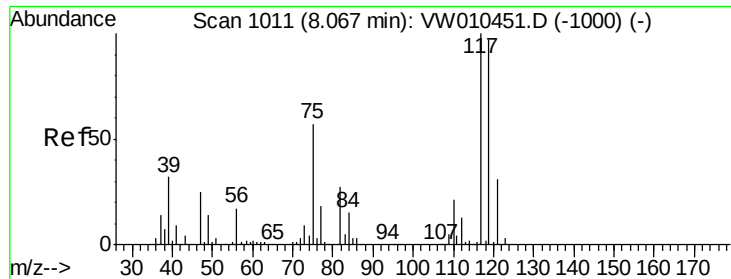
110 4.2 19.2 57.6#

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: 6.169 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

0429-HR-9(HACKENSACK)

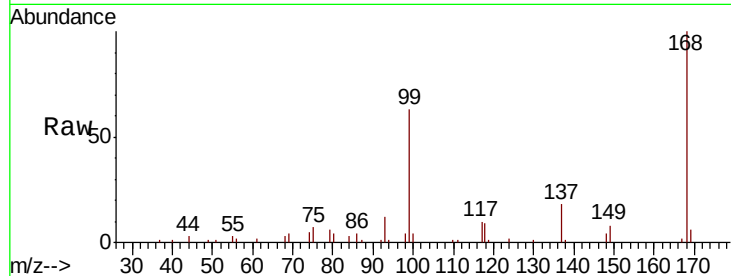
Tot Ion:117 Resp: 2097

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

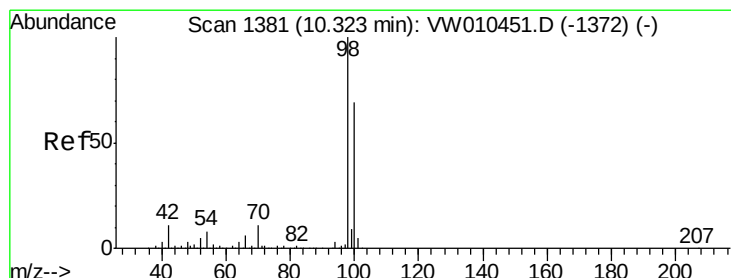
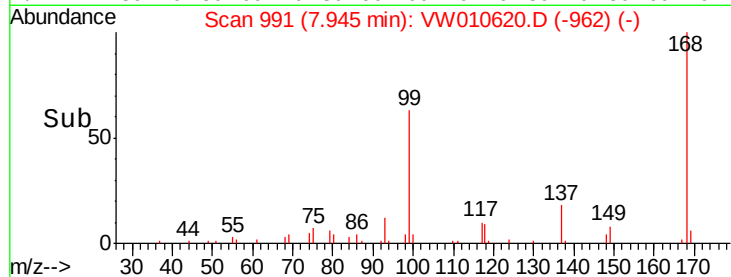
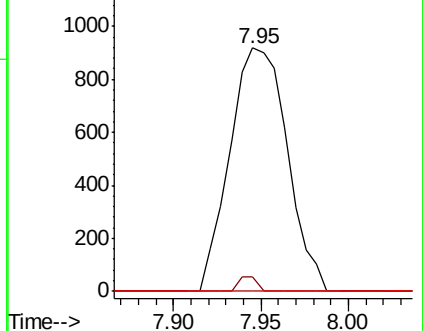
121 0.0 25.0 37.6#



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: 52.315 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010620.D

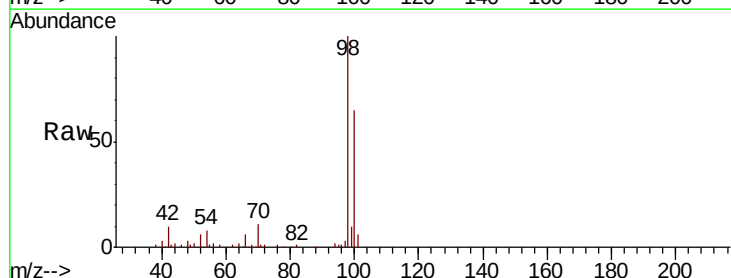
Acq: 30 May 2019 17:48

Tgt Ion: 98 Resp: 41024

Ion Ratio Lower Upper

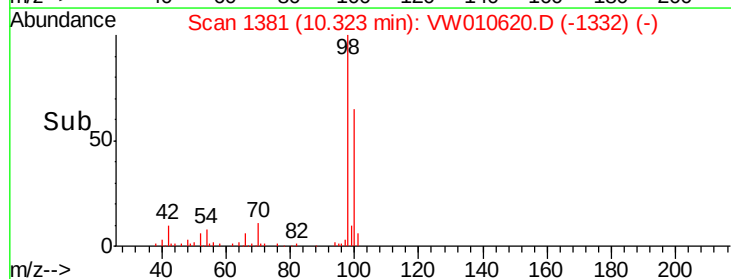
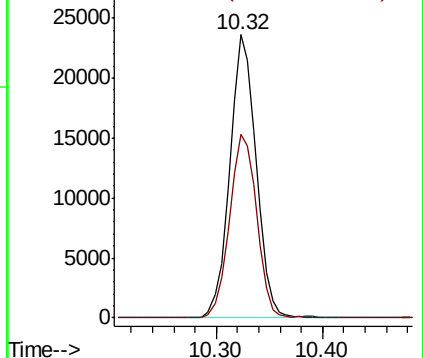
98 100

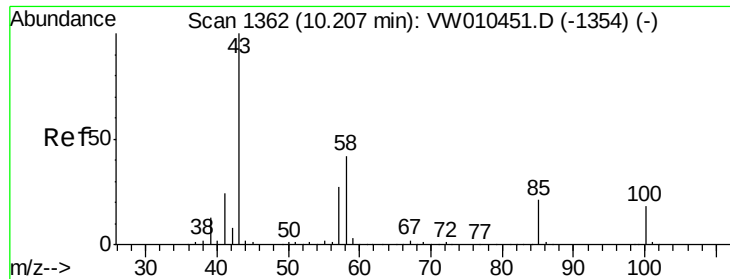
100 66.8 53.7 80.5



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: 3.944 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

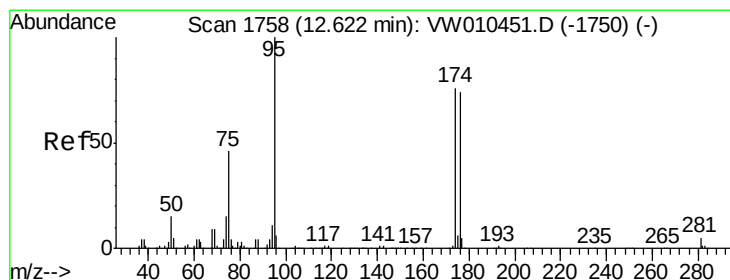
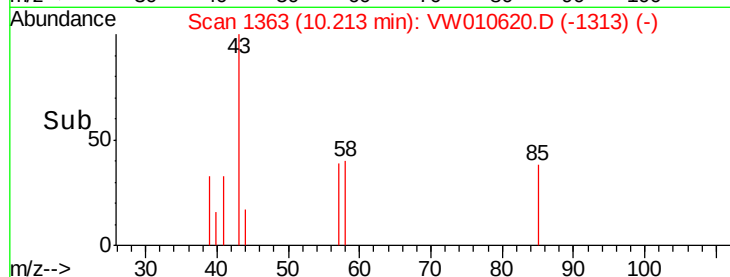
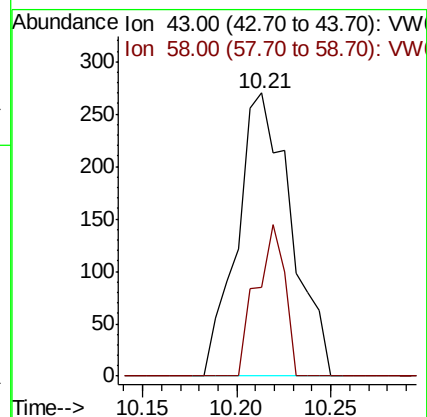
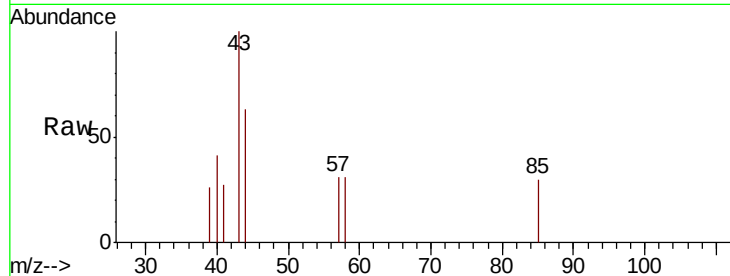
0429-HR-9(HACKENSACK)

Tot Ion: 43 Resp: 535

Ion Ratio Lower Upper

43 100

58 28.2 33.2 49.8#



#62

4-Bromofluorobenzene

Concen: 45.472 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

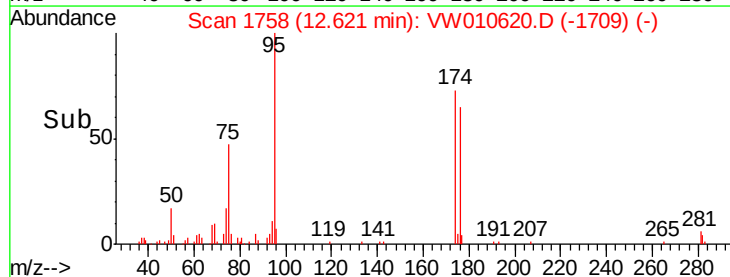
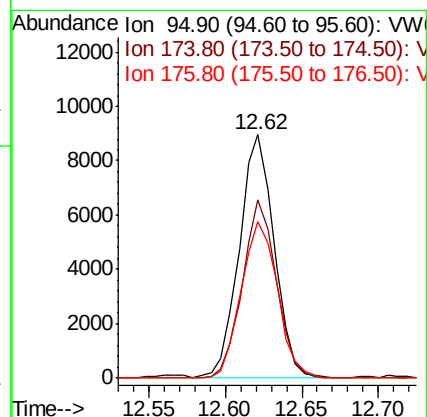
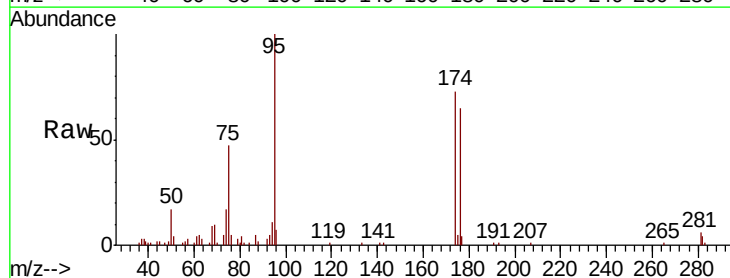
Tgt Ion: 95 Resp: 14203

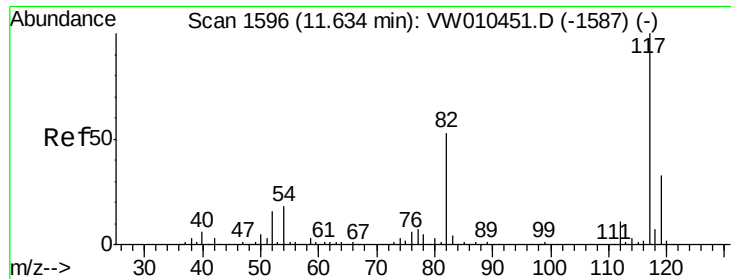
Ion Ratio Lower Upper

95 100

174 70.8 0.0 148.6

176 66.5 0.0 144.2

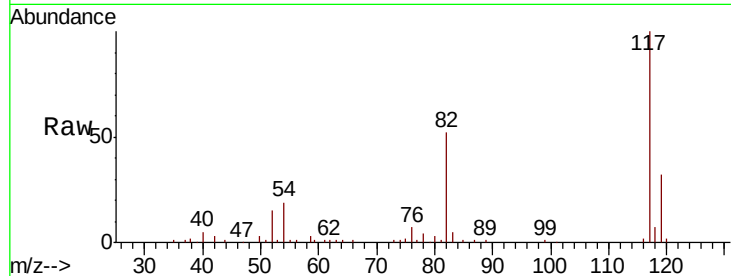




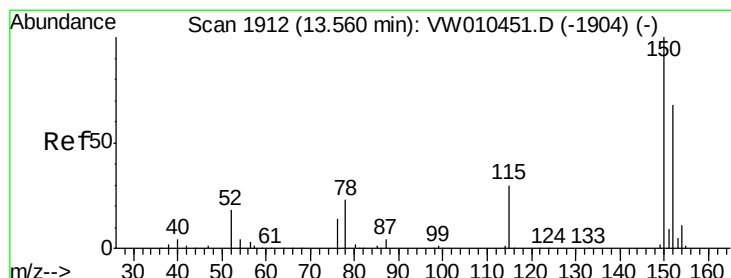
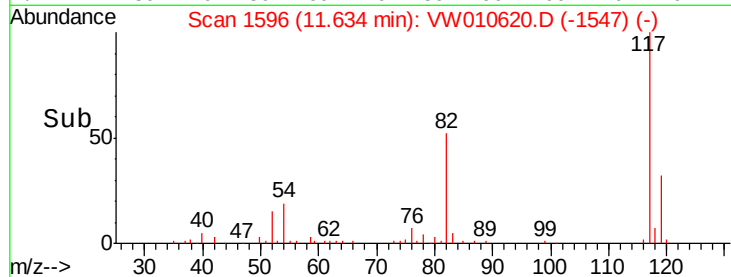
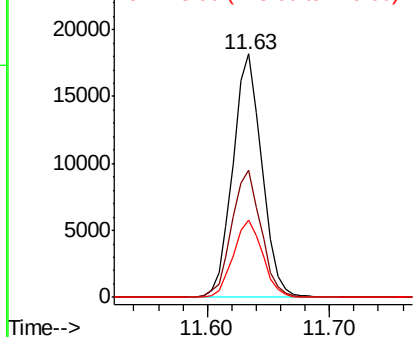
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010620.D
Acq: 30 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
0429-HR-9(HACKENSACK)

Tot Ion:117 Resp: 29839
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 31.8 26.3 39.5

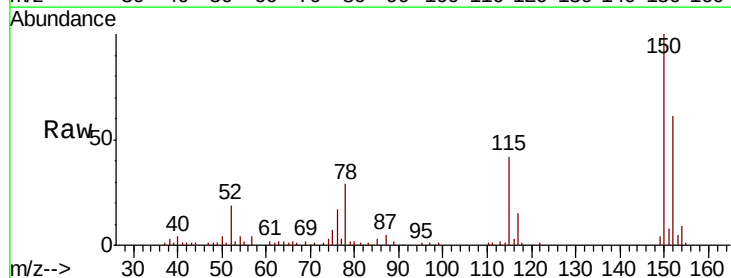


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

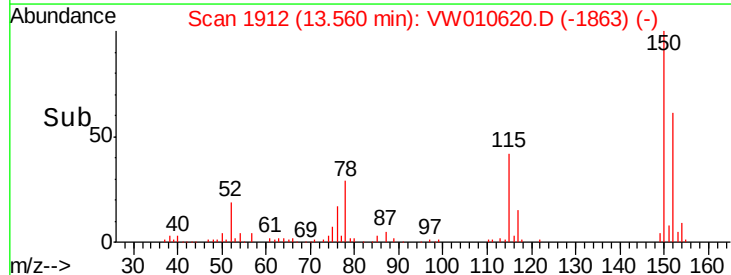
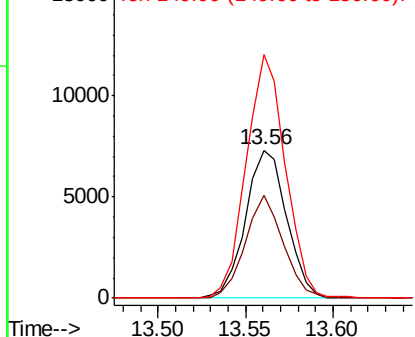


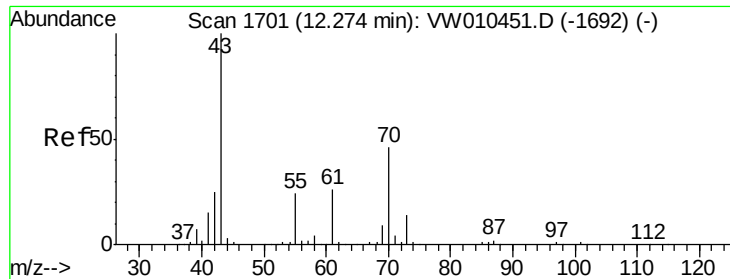
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010620.D
Acq: 30 May 2019 17:48

Tgt Ion:152 Resp: 11907
Ion Ratio Lower Upper
152 100
115 63.9 30.3 91.0
150 157.2 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





#74

N-amvl acetate

Concen: 1.039 ug/l

RT: 12.24 min Scan# 1696

Delta R.T. -0.03 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

0429-HR-9(HACKENSACK)

Tot Ion: 43 Resp: 225

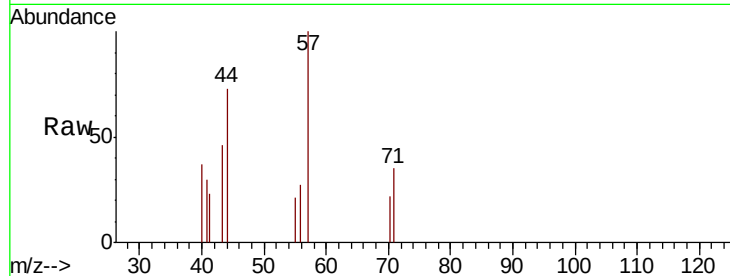
Ion Ratio Lower Upper

43 100

70 26.7 37.1 55.7#

55 0.0 19.6 29.4#

61 0.0 20.7 31.1#

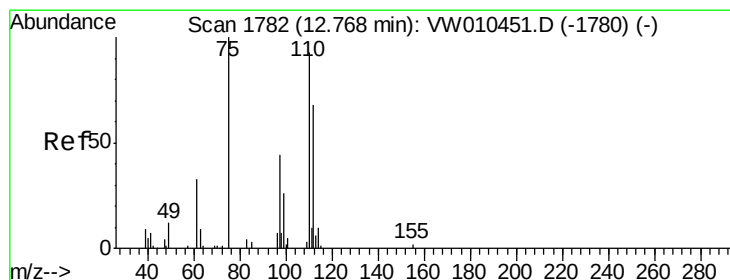
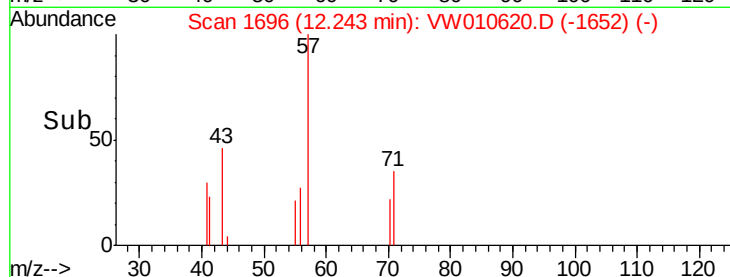
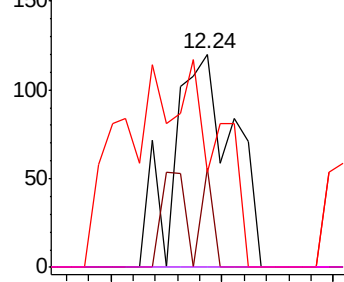


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 54.408 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010620.D

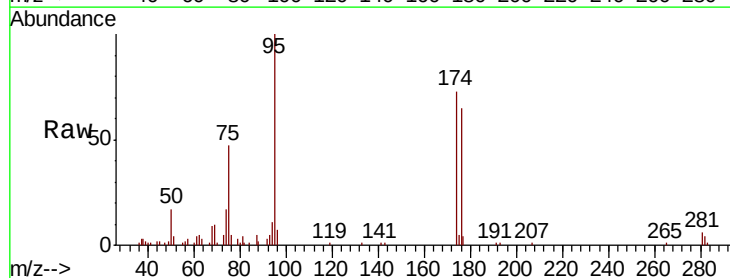
Acq: 30 May 2019 17:48

Tgt Ion: 75 Resp: 6576

Ion Ratio Lower Upper

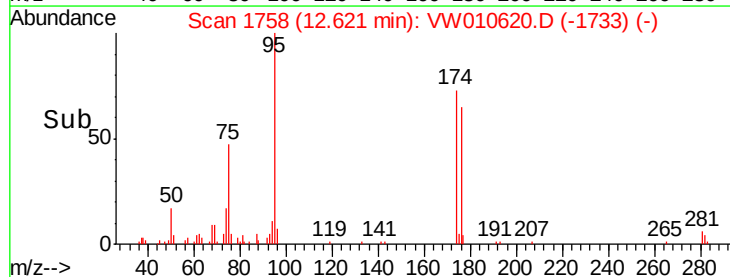
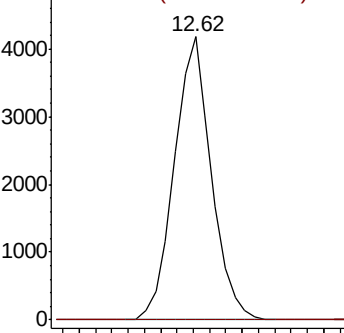
75 100

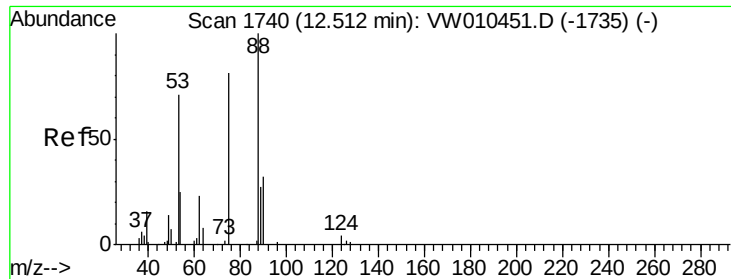
77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 113.552 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

0429-HR-9(HACKENSACK)

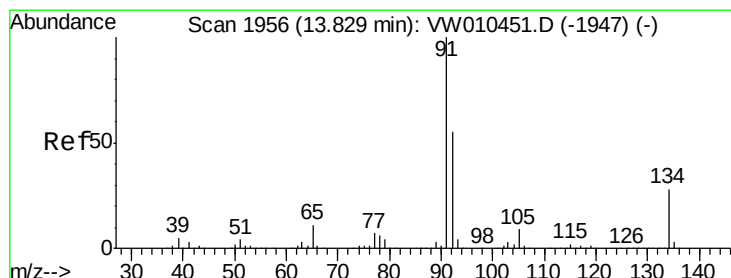
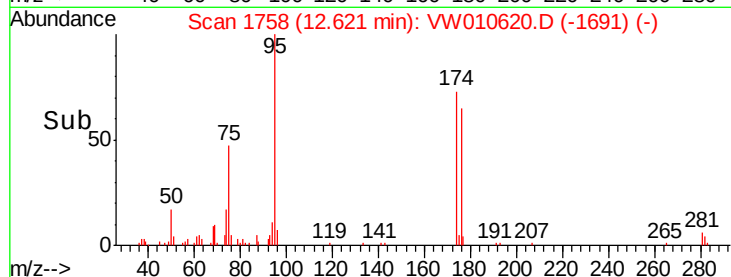
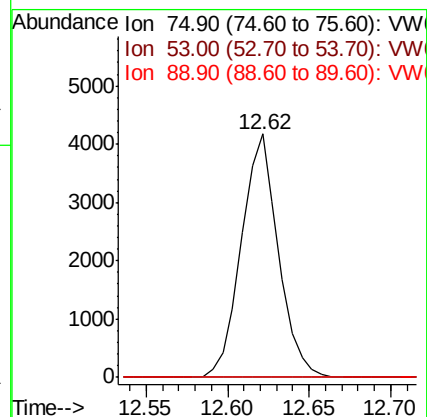
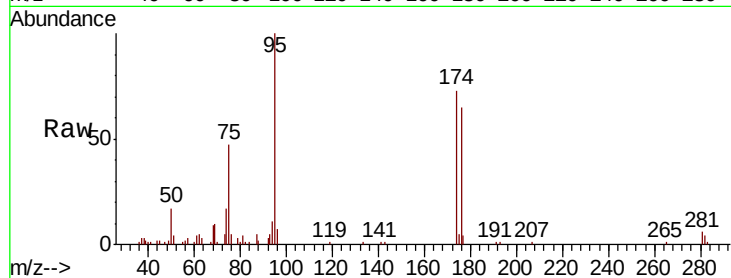
Tot Ion: 75 Resp: 6576

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



#89

n-Butylbenzene

Concen: 1.354 ug/l

RT: 13.77 min Scan# 1946

Delta R.T. -0.06 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

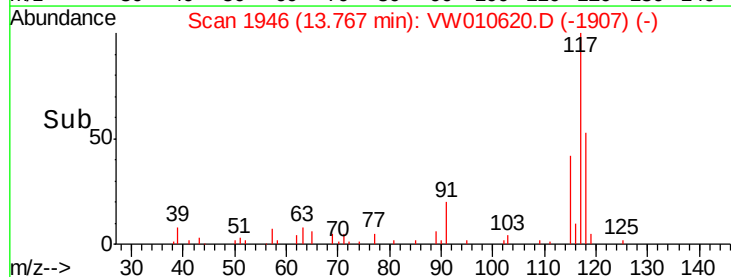
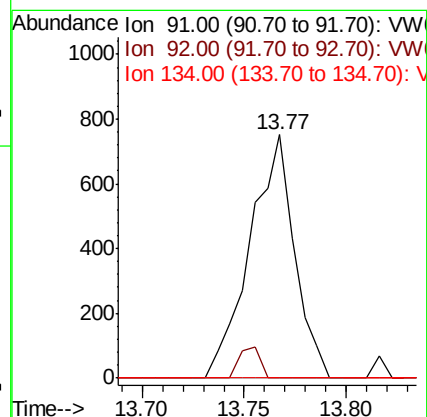
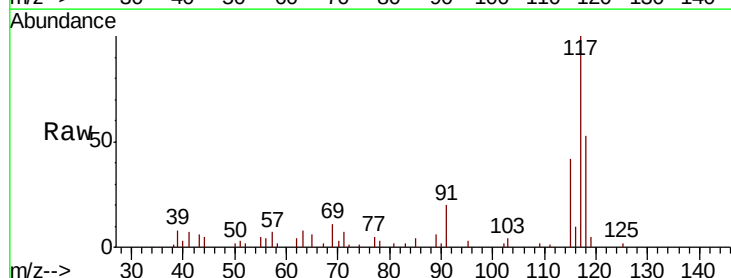
Tgt Ion: 91 Resp: 1140

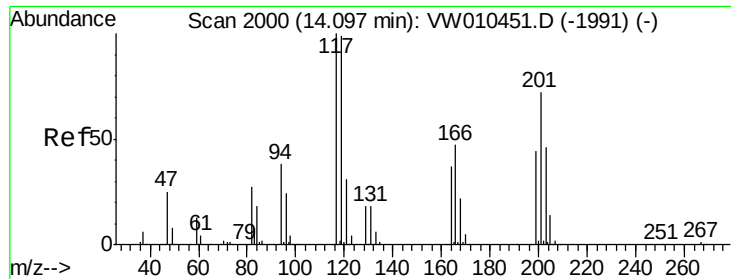
Ion Ratio Lower Upper

91 100

92 5.7 27.7 83.1#

134 0.0 13.9 41.6#





#90

Hexachloroethane

Concen: 3.460 ug/l

RT: 14.16 min Scan# 2010

Delta R.T. 0.06 min

Lab File: VW010620.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

0429-HR-9(HACKENSACK)

Tot Ion:117 Resp: 593

Ion Ratio Lower Upper

117 100

201 0.0 34.6 103.8#

